INDEX OF PATENTS

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CONTENTS

	Page
List of Patentees (includes Reissues)	3
List of Design Patentees	813
List of Plant Patentees	885
List of Abstracts of Applications	887
List of Disclaimers	903
List of Inventions (includes Reissues)	907
List of Design Inventions	1287
List of Plant Inventions	1315
List of Abstracts of Applications arranged by Inventions	1317
List of Disclaimers arranged by Inventions	1325
Decisions Published in the Official Gazette in 1950	1329

1950

PATENTS ISSUED

Patents	43,072—No.	2,492,944 to No.	2,536,015 [1]	inclusive.
Designs	4,718—No.	156,686 to No.	161,403	inclusive.
Reissues	129—No.	23,186 to No.	23,314	inclusive.
Plant Patents	90—No.	911 to No.	1,000 [2]	inclusive.

[1] Includes 32 withdrawn.
[2] Includes 1 withdrawn.

1950
LIST OF PATENTEES

This list includes reissue patentees

Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice

A. B. C. Sheet Metal Co., Inc., assignee: *See*—
Brett, Lewis P.

A. B. Svenska Flaktfabriken, assignee: *See*—
Blomquist, Uno O., and Wallin.
Wellmar, Sven.

AB W. Dan Bergman, assignee: *See*—
Schreiber, Dag S.

ACF-Brill Motors Company, assignee: *See*—
Chapman, James F., and Latshaw.
Famiglietti, Michael R.
Flogaus, Howard A.
Kateley, Francis W.
Peabody, Donald C.

A M I Incorporated, assignee: *See*—
Kasnowich, Anthony M.

A-1 Bit & Tool Company, Inc., assignee: *See*—
Denning, Charles O., and Yancey.

A. P. V. Company Limited, assignee: *See*—
Lancaster, John F., and Marshall.

A. R. D. Corporation, assignee: *See*—
Guelph, John D.

A/S Enico, assignee: *See*—
Mejlbo, Erik G.

A/S Lysøsund Sildolje-& Kraftforfabrik, assignee: *See*—
Valen, Otto.

A/S Rull Trykk Industri, assignee: *See*—
Eriksen, Einar M.

ATF Incorporated, assignee: *See*—
Royston, Marvin F.

A. V. Roe Canada Limited, assignee: *See*—
Ksieski, Kazimierz.

Aabel, Donald W., East Moline, Ill., assignor to International Harvester Company. Adjustable shaft mounting means. 2,518,263, Aug. 8.

Aagaard, Fridtjof, Rahway, N. J., assignor to American Cyanamid Company, New York, N. Y. Fluid-pressure controller. 2,517,820, Aug. 8.

Aageson, Walter J., Anderson, Ind. Electric heater. 2,527,049, Oct. 24.

Aakjer, Jens J., Roselle, and W. J. Knochel, East Orange, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrode support. 2,518,848, Aug. 15.

Aaron, William, Brooklyn, N. Y. Wear take-up adjusting means for reciprocating knives of cloth-cutting machines. 2,496,365, Feb. 7.

Aasland, John L.: *See*—
Hardy, Lloyd A., Keller, and Aasland.

Aasted, Kai C. S., Gentofte, Denmark. Treating chocolate raw materials. 2,515,150, July 11.

Aasted, Kai C. S., Gentofte, Denmark. Apparatus for casting chocolate, cream and other confectionery paste. 2,533,708, Dec. 12.

Aasted, Kai C. S., Gentofte, Copenhagen, Denmark. Conveyer. 2,534,692, Dec. 19.

Abbas, Joseph T., Detroit, Mich. Fuel tank lock. 2,529,361, Nov. 7.

Abbe, Edward J., Cleveland Heights, assignor to The Elwell-Parker Electric Company, Cleveland, Ohio. Hydraulically operated tier-lift mechanism. 2,527,384, Oct. 24.

Abberley, Maurice W.: *See*—
Ellis, Arthur G., and Abberley.

Abbey, Nelson D., Toledo, Ohio. Tube feeding machine. 2,511,450, June 13.

Abbott, Arthur R.: *See*—
Kieley, Michael F., and Abbott.
Sullivan, Francis J., and Abbott.

Abbott, Arthur R., Shelton, M. F. Kieley, Derby, and F. T. Simon, Shelton, Conn., assignors to Sidney Blumenthal & Co., Inc., New York, N. Y. Shuttle check for looms. 2,497,711, Feb. 14.

Abbott, Edward J., assignor to Abbott Machine Company, Wilton, N. H. Splicing threads. 2,515,172, July 18.

Abbott, Edward J., assignor to Abbott Machine Company, Wilton, N. H. Textile drafting apparatus. 2,522,332, Sept. 12.

Abbott, Furman S., Montclair, N. J., assignor to Airkem, Inc., New York, N. Y. Liquid diffuser. 2,494,640, Jan. 17.

Abbott, Furman S., Montclair, N. J., assignor to Airkem, Inc., New York, N. Y. Pump. 2,524,645, Oct. 3.

Abbott, Harry A., Little Neck, N. Y. Collapsible crate. 2,494,275, Jan. 10.

Abbott, John E., Spring Valley, Calif. Brick building wall. 2,506,563, May 9.

Abbott, John H., assignor to Utility Appliance Corp., Los Angeles, Calif. Welding apparatus. 2,498,905, Feb. 28.

Abbott Laboratories, assignee: *See*—
Clemence, Le Roy W., and Leffler.
Coghill, Robert D., Weston, and MacCorquodale.
Fields, Mack R.
Hansen, Norman A., Milne, and Risser.
Leffler, Marlin T., and Freifelder.
McIntire, Floyd C.
Moore, Edmond E.
Moore, Edmond E., and Clemence.
Moore, Edmond E., and Ohman.
Moore, Marjorie B. and E. E.
Spielman, Marvin A.
Weston, Arthur W., and Spielman.

Abbott, Lea, Dallas, Tex. Fish trap. 2,525,109, Oct. 10.

Abbott Machine Company, assignee: *See*—
Abbott, Edward J.

Abbott, Merrill F., Sanitarium, Calif. Transposing harmonica. 2,496,511, Feb. 7.

Abbott, Roy W., Schenectady, N. Y., assignor to General Electric Company. Thermocouple. 2,525,439, Oct. 10.

Abbott, Royal K., Jr.: *See*—
Kern, Edward A., and Abbott.

Abbott, Royal K., Jr., Pittsfield, Mass., assignor to General Electric Company. Vinyl compounds and their preparation. 2,498,473, Feb. 21.

Abbott, Royal K., Jr., Pittsfield, Mass., assignor to General Electric Company. Preparing monoethyldibenzofuran. 2,500,732, Mar. 14.

Abbott, Royal K., Jr., Pittsfield, Mass., assignor to General Electric Company. Preparing vinyldibenzofuran. 2,500,733, Mar. 14.

Abbott, Royal K., Jr., Pittsfield, Mass., assignor to General Electric Company. Preparing 2-ethyldibenzofuran. 2,500,734, Mar. 14.

Abbott, Sylvia H., North Redonda, and J. F. Hutchinson, Gardena, Calif. Auxiliary seat for beauty parlor chairs and the like. 2,529,532, Nov. 14.

Abbott, Thomas A.: *See*—
McMahon, Jerome B., and Abbott.

Abbott, Ward D., Orchard Park, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Totally enclosed motor. 2,515,973, July 18.

Abbott, William, Hollywood, Calif. Patch weaving device. 2,523,932, Sept. 26.

Abbotts Dairies, Incorporated, assignee: *See*—
Kennedy, Ridgway, Jr.
Orrell, Joseph B.

Abbotts, Leonard, assignor to The Bridgeport Metal Goods Manufacturing Company, Bridgeport, Conn. Cosmetic holder. 2,521,140, Sept. 5.

Abegg & Reinhold Co., assignee: *See*—
Abegg, Walter A.

Abegg, Walter A., assignor, by mesne assignments, to Abegg & Reinhold Co., Los Angeles, Calif. Oil well tool gripping element. 2,520,448, Aug. 29.

Abel, David M., New York, N. Y., assignor to D. Blau. Artist's sketch box. 2,531,189, Nov. 21.

Abel, Mona C., Jackson Heights, N. Y. Transparent hollow toy ball. 2,515,171, July 18.

Abell, Harry D. and H. E., St. Albans, Vt. Timing mechanism for automatic folders. 2,524,415, Oct. 3.

Abell, Homer E.: *See*—
Abell, Harry D. and H. E.

Abell, J. Roy, assignee: *See*—
Boughey, Jeremiah J.

Aben, Clarence R., River Rouge, Mich. Switch operating mechanism and fan. 2,514,114, July 4.

Aber, Earnest F., Waterford, Wis. Vise for holding disks or the like. 2,514,615, July 11.

Aber, Homer B., assignor to J. I. Case Company, Racine, Wis. Device for cleaning grain. 2,523,259, Sept. 26.

Abercrombie, James S., assignor to Cameron Iron Works, Houston, Tex. Gate valve. 2,527,050, Oct. 24.

Aberle, Roy, assignor to Southworth Machine Company, Portland, Maine. Sheet feeding machine. 2,497,849, Feb. 21.

Abernathy, G. W., assignee: *See*—
Mitchell, William F.

Abernathy, Henry H., Wilmington, and G. W. Scott, Claymont, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Polychloroprene and preparation thereof. 2,493,798, Jan. 10.
Abernethy, Harry D., Lakewood, Ohio, assignor to General Railway Signal Company, Rochester, N. Y. Railway switch throw rod connection. 2,515,624, July 18.
Abey, David V., Baltimore, Md. Automobile gear shifter. 2,512,907, June 27.
Abgarian, Aram, assignor to Detroit Harvester Company, Detroit, Mich. Rear mower structure. 2,503,605, Apr. 11.
Abildgaard, William H. : *See*—
Abildgaard, William and W. H.
Abildgaard, William, and C. C. Herbert, assignors to Livestock Sprayer Mfg. Co., San Jose, Calif. Grub scrubber. 2,529,531, Nov. 14.
Abildgaard, William and W. H., assignors, by mesne assignments, to Livestock Sprayer Mfg. Co., San Jose, Calif. Livestock sprayer. 2,529,530, Nov. 14.
Abington Textile Machinery Works, assignee : *See*—
Reeves, George B.
White, Charles E.
White, Charles E. and F. H.
Able, Edward T. : *See*—
Sweeney, John F., Able, and MacKay.
Able, Edward T., and W. Krieger, assignors to B. K. Sweeney Manufacturing Company, Denver, Colo. Anchor means for wrenches. 2,527,288, Oct. 24.
Able, Lawrence M., St. Matthews, S. C. Support for drums. 2,511,451, June 13.
Ablett, Charles A., Norfolk, England. Ball and roller bearing. 2,528,987. Nov. 7.
Ablett, William W., Detroit, Mich. Tool to check centrality and alignment of keyways in shafts. 2,494,152, Jan. 10.
Abos, Ralph L., L. M. Stanfield, and R. B. Myers, Los Angeles, assignors to Revco Products, Whittier, Calif. Presser bar control for sewing machines. 2,534,651, Dec. 19.
Abraham, Albert, Jr., Staten Island, N. Y., assignor to Standard Oil Development Company. Corrosion resistant liner materials and making the same. 2,530,320, Nov. 14.
Abraham, Charles R., San Francisco, Calif. Locking device. 2,504,483, Apr. 18.
Abraham, Herbert, assignor to The Ruberoid Co., New York, N. Y. Composition board. 2,514,021, July 4.
Abraham, Herbert, assignor to The Ruberoid Co., New York, N. Y. Siding. 2,519,950, Aug. 22.
Abraham, James G. : *See*—
Knox, Donald G., and Abraham.
Abrahams, Leon H., assignor to Koffy-Pak Corp., Chicago, Ill. Packaged coffee. 2,531,594, Nov. 28.
Abrahamson, Charles M. : *See*—
Saaf, Fritz A., and Abrahamson.
Abrahamson, Charles M., Aurora, Ill., assignor to All-Steel Equipment Inc. Business machine support for desk drawers. 2,531,381, Nov. 28.
Abramoska, Alfred A., Parma, Ohio. Socket joint. 2,496,839, Feb. 7.
Abramovitch, Benjamin, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Preparing imidazolidones. 2,518,264, Aug. 8.
Abrams, Albert A., St. Louis, Mo. Self-locking carton. 2,511,523, June 13.
Abrams, Armand J., Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Shothole water seal. 2,516,041, July 18.
Abrams, Armand J., and C. S. Kuhn, Jr., Dallas, Tex., assignors, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Producing gasoline by alkylation and reforming. 2,509,028, May 23.
Abrams, Joseph S., Montreal, Quebec, Canada. Pocketed photographic mount. 2,496,141, Jan. 31.
Abrams, Louis, Springfield, Mass. Support for curtains, draperies, and the like. 2,522,918, Sept. 19.
Abrams, Norman H., Waco, Tex., assignor to Badger Meter Manufacturing Company, Milwaukee, Wis. Water meter. 2,493,098, Jan. 3.
Abrams, Victor R., assignor of one-half to G. E. O'Leary, Rockford, Ill. Pencil sharpener. 2,515,174, July 18.
Abramson, Albert, and H. T. Futrell, Houston, Tex. Swivel chair. 2,532,873, Dec. 5.
Abramson, Chester C., Frostburg, Md., assignor to Celanese Corporation of America. Sizing composition for yarns. 2,528,570, Nov. 7.
Abramson, Harold A., New York, N. Y. Urea stabilized epinephrine mist for treatment of asthma. 2,503,650, Apr. 11.
Abramson, Milton, Minneapolis, Minn. Breast shield. 2,495,307, Jan. 24.
Abrecht, James W. : *See*—
Abrecht, Rudy and J. W.
Abrecht, Rudy, Sacramento, and J. W. Abrecht, Whittier, Calif. Marking attachment for golf clubs. 2,495,679, Jan. 31.
Abresch, Carel F., Larchmont, assignor to Hemsdale Industries, Inc., Mamaroneck, N. Y. Automatic washing machine. 2,512,408, June 20.
Abrevaya, Harry, Boston, Mass. Locating device. 2,500,225, Mar. 14.
Abrons, Hyman, Hollywood, Calif. Lawn edge cutter. 2,494,223, Jan. 10.
Abrums, George L., Jacksonville, Fla. Photographic light control device. 2,501,017, Mar. 21.
Abshire, Richard J., Pomona, Calif. Combination gauge and spot marker. 2,497,570, Feb. 14.
Acadian Business Corporation, assignee : *See*—
Labiche, Sidney H.
Accessory Research Corporation, assignee : *See*—
Anderson, James W., Jr.
Accles & Pollock Limited, assignee : *See*—
Wagg, Reginald, and Bayliss.
Accola, Jacob, Davenport, Iowa. Spoke tightener having spring-closed nut-engaging jaws spaced from spoke-receiving notch. 2,525,253, Oct. 10.
Ace Carton Corporation, assignee : *See*—
Eaton, Wilfred A.
Sanford, Roy S.
Ace Rubber Company, assignee : *See*—
Rowe, Marion H.
Ace Storm Window Company, assignee : *See*—
Krantz, Walter M.
Swartswelter, Ernest E., Jr.
Acers, Victor B., assignee : *See*—
Hunn, Oliver W. and J. D.
Achard, Edouard, Paris, France, assignor to Compagnie Generale de Telegraphie Sans Fil. Device for obtaining electric fields of high frequency and great intensity and apparatus embodying such devices. 2,509,713, May 30.
Acheson, Louis K., assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,494,981, Jan. 17.
Achs, Nicholas, Detroit, Mich. Refrigerated display case and refrigerated partition. 2,515,285, July 18.
Achuff Railway Supply Company, assignee : *See*—
Wells, Arthur M.
Acid addition salts of 1-cyclopentyl-2-methyl-amino propane compounds and vasoconstrictor compositions thereof. E. Rohrmann. 2,520,015, Aug. 22.
Ackell, Joseph J., Bellaire, and H. L. Paulding, Port Washington, N. Y., assignors, by mesne assignments, to Dow Jones & Company, Inc., Wilmington, Del. Telegraphic printing system and method. 2,531,868, Nov. 28.
Ackelsberg, Oscar J., Caldwell, N. J., assignor to E. F. Drew & Co., Inc., New York, N. Y. Emulsifier consisting of alkylolamine-fatty acid condensation products and esters of polyglycols. 2,531,190, Nov. 21.
Acker, Ralph E., Fort Worth, Tex., assignor to Container Corporation of America, Chicago, Ill. Vegetable box. 2,527,784, Oct. 31.
Acker, Ralph E., Fort Worth, and P. A. Nemoede, Keller, Tex., assignor to Container Corporation of America, Chicago, Ill. Ball plant container. 2,507,080, May 9.
Acker, Richard S. : *See*—
Nelson, Marvin G., and Acker.
Ackerlind, Erik, Santa Monica, and C. R. Williams, assignors to Northrop Aircraft, Inc., Hawthorne, Calif. Function generator. 2,522,333, Sept. 12.
Ackerman, Charles, Hackensack, N. J. Slicing machine. 2,500,973, Mar. 21.
Ackerman, Duane S., Topeka, Kans. Awning hinge. 2,497,337, Feb. 14.
Ackerman, James E., Devon, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Work-guiding attachment for sewing machines. 2,506,325, May 2.
Ackermann, Franz, Binningen, and J. Meyer, assignors to Ciba Limited, Basel, Switzerland. Dilmidazoles and making same. 2,515,173, July 18.
Ackies, Virgil E., Los Angeles, Calif., assignor to Doughnut Corporation of America, New York, N. Y. Icing applying machine. 2,525,164, Oct. 10.
Ackley, Charles S., assignor to Thermactor Corporation, New York, N. Y. Electric oil well heater. 2,500,305, Mar. 14.
Ackley, Charles S., assignor to Thermactor Corporation, New York, N. Y. Oil column heating means and method. 2,530,280, Nov. 14.
Acme Aluminum Alloys, Inc., assignee : *See*—
Cooper, Hugh S.
Cooper, Hugh S., Martin, Reiches, and Gray.
Acme Appliance Mfg. Co., assignee : *See*—
Austin, Paul G.
Martin, Earnest E.
Acme Coppersmithing and Machine Company, assignee : *See*—
Epstein, Joshua.
Merlis, Ira.
Acme Electric Corporation, assignee : *See*—
Koubek, William F.
Acme Industrial Hydraulics, Inc., assignee : *See*—
Gabriel, Adam.
Acme Metal Products Corporation, assignee : *See*—
Hallberg, Carl G.
Acme Staple Company, assignee : *See*—
Cook, Lyman B.
Acme Steel Company, assignee : *See*—
Ligler, Edward J.
Mullaney, Donald P.
Acme Visible Records, Inc., assignee : *See*—
Hall, Marchand B.
Acocella, Pasquale J., and D. Capaccione, Brooklyn, N. Y. Floor waxer and polisher. 2,533,706, Dec. 12.

Aconley, John, Forestville, assignor to Anglo-Canadian Pulp and Paper Mills Limited, Quebec, Quebec, Canada. Choker hook and line. 2,533,905, Dec. 12.

Acosta, José W., Chicago, Ill. Circuit coupling device for high-frequency therapeutic apparatus. 2,515,683, July 18.

Acosta, José W., Chicago, Ill. Electrostatic sound reproducer. 2,519,810, Aug. 22.

Acro Manufacturing Co., The, assignee : *See*— Jacobs, Philip C., Jr.

Acrometal Products, Inc., assignee : *See*— Bliss, Jerome J.

Acrotorque Company, The, assignee : *See*— Orshansky, Elias, Jr.

Acryvin Corporation of America, assignee : *See*— Shapiro, Carl L.

Actiengesellschaft Joh. Jacob Rieter & Cie, assignee : *See*— Hess, Heinrich.
Naegeli, Werner.

Active Tool & Manufacturing Company, assignee : *See*— Shaieb, George A.

Acton, Foster S., New York, N. Y. Conveying mechanism. 2,517,371, Aug. 1.

Acton, Grant M., assignor to Acton Manufacturing Company, Inc., Arkansas City, Kans. Bottle holder and carrier. 2,502,690, Apr. 4.

Acton, Grant M., assignor to Acton Manufacturing Company, Inc., Arkansas City, Kans. Bottle holder and carrier. 2,522,978, Sept. 19.

Acton, Grant M., assignor to Acton Manufacturing Company, Inc., Arkansas City, Kans. Bottle carrier. 2,535,113, Dec. 26.

Acton, Grant M., assignor to Acton Manufacturing Company, Inc., Arkansas City, Kans. Bottle holder and carrier. 2,535,114, Dec. 26.

Acton Manufacturing Company, Inc., assignee : *See*— Acton, Grant M.

Acton, Russel D., Chicago, Ill., assignor to International Harvester Company. Control means for tractor-connected implements. 2,513,906, July 4.

Acton, Russel D., Chicago, Ill., assignor to International Harvester Company. Fertilizer spreader. 2,532,050, Nov. 28.

Adair, Hugh D., College Park, Ga. Holster. 2,504,369, Apr. 18.

Adair, Nelson T., Montreal, Quebec, Canada. Chain supporting frame for portable chain saws. 2,525,110, Oct. 10.

Adair, Russell S., Youngstown, Ohio. Hydraulic steady rest chuck. 2,511,827, June 20.

Adalbért, Georg C., Stabekk, near Oslo, Norway. Automatic fire extinguisher for motor carburetors. 2,531,490, Nov. 28.

Adam, Armand O., Jr., Maplewood, N. J., and R. C. Avery, Jackson Heights, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Control circuits. 2,535,661, Dec. 26.

Adam, William, Jr., Camden, N. J., assignor to Ajax Electric Company, Inc., Philadelphia, Pa. Electric salt bath furnace. 2,508,004, May 16.

Adamczyk, Edward, Indian Orchard, Mass. Lawn mower reel. 2,535,185, Dec. 26.

Adamek, Frank J., assignor to F. L. Jacobs Co., Detroit, Mich. Motor reversing means. 2,511,315, June 13.

Adamo, Joseph, assignee : *See*— Calabro, Anthony.

Adamopoulos, Aristomenes D., Chicago, Ill. Nut-cracking machine. 2,524,646, Oct. 3.

Adams, Albert E. : *See*— Wikkenhauser, Gustav, and Adams.
Wikkenhauser, Gustav, Adams, Cook, and Duggan.

Adams, Albert H., Lima, assignor to Kwik-Arc, Inc., Cleveland, Ohio. Metal removing device. 2,526,624, Oct. 24.

Adams, Albert H., Lima, assignor to Kwik-Arc, Inc., Cleveland, Ohio. Removing portions of metal bodies. 2,527,490, Oct. 24.

Adams, Archie Q., Clatskanie, Oreg. Power hammer attachment for tractors. 2,529,892, Nov. 14.

Adams, Arthur R., assignor to Adams Rite Manufacturing Company, Glendale, Calif. Catch. 2,534,693, Dec. 19.

Adams, Arthur T., Oak Park, Ill. Holder for sandpaper. 2,527,089, Oct. 24.

Adams, Cecil E., assignor to The Denison Engineering Company, Columbus, Ohio. Hydraulic apparatus. 2,502,546, Apr. 4.

Adams, Cecil E., assignor to The Denison Engineering Company, Columbus, Ohio. Control valve mechanism for hydraulic apparatus. 2,512,730, June 27.

Adams, Cecil E., assignor to The Denison Engineering Company, Columbus, Ohio. Combination press and index table with control mechanism therefor. 2,512,731, June 27.

Adams, Cecil E., assignor to The Denison Engineering Company, Columbus, Ohio. Hydraulic press intensifier attachment. 2,516,170, July 25.

Adams, Cecil E., assignor to The Denison Engineering Company, Columbus, Ohio. Control mechanism for hydraulic apparatus. 2,527,051, Oct. 24.

Adams, Cecil E., and W. D. Peters, assignors to The Denison Engineering Company, Columbus, Ohio. Hydraulic apparatus. 2,502,547, Apr. 4.

Adams, Cecil E., Columbus, and W. E. Renick, Grove City, assignors to The Denison Engineering Company, Columbus, Ohio. Hydraulic apparatus. 2,503,985, Apr. 11.

Adams, Charles J., Park Ridge, Ill. Socket. 2,509,406, May 30.

Adams, Charles N. : *See*— Downing, Rexford D., and Adams.

Adams, Charles R., Donavon, Saskatchewan, Canada. Grain conveyor. 2,516,360, July 25.

Adams, Charles W., Lewiston, Idaho. Intake hood for air cooling systems. 2,500,268, Mar. 14.

Adams, Chester E : *See*— Johnson, Carl E., and Adams.

Adams, Chester E., Highland, Ind., and C. E. Johnson, St. Louis, Mich., assignors to Standard Oil Company, Chicago, Ill. Recovery of lower alkanoic acids from sulfonation reaction products. 2,523,490, Sept. 26.

Adams, Christopher N., San Joaquin County, Calif. Hydraulic leveling and controlling device. 2,520,266, Aug. 29.

Adams, Claude E., Osseo, Mich. Ignition coil adapting means. 2,507,747, May 16.

Adams, Daniel O. and G. B. Hughey, Covington, Va., assignors to West Virginia Pulp and Paper Company, New York, N. Y. Hypochlorite bleaching of ground wood. 2,516,664, July 25.

Adams, Daniel W. : *See*— Colbeck, Eric W., and Adams.

Adams, David, Detroit, Mich. Valve mechanism. 2,496,512, Feb. 7.

Adams, Earl W., Los Altos, Calif., assignor to Kaiser Aluminum & Chemical Corporation. Pelleting magnesium dust. 2,514,616, July 11.

Adams, Edythe A. : *See*— Bedford, Leroy J., and Adams.

Adams, Eli J., Rogersville, Mo. Loading and unloading device. 2,512,988, June 27.

Adams, Elliot Q. : *See*— Greiner, Alfred, and Adams.

Adams, Epps J., Augusta, Ga. Axe with detachable blade. 2,499,345, Mar. 7.

Adams, Frank, Brooklyn, N. Y. Precut ice cream cake and making the same. 2,520,522, Aug. 29.

Adams, George E., Detroit, assignor to Ford Motor Company, Dearborn, Mich. Dampener. 2,497,252, Feb. 14.

Adams, George F., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Controlling flow of subdivided solid particles. 2,529,583, Nov. 14.

Adams, George M., Erie, Pa., assignor to General Electric Company. Excitation system for dynamoelectric machines. 2,503,897, Apr. 11.

Adams, Harold E., Norwalk, Conn. Pump assembly. 2,500,226, Mar. 14.

Adams, Harold E., Norwalk, assignor to Nash Engineering Company, South Norwalk, Conn. Liquid pumping unit. 2,500,227, Mar. 14.

Adams, Harold E., Norwalk, Conn. Pump assembly. 2,500,228, Mar. 14.

Adams, Harry L., Denver, Colo. Pointer for photo retouching pencils. 2,512,846, June 27.

Adams, Henry C., Los Angeles, Calif. Comb rake. 2,512,127, June 20.

Adams, Henry H. : *See*— Clifford, Wilfred J., and Adams.

Adams, Herbert F., Springfield, Mo. Fish lure. 2,517,157, Aug. 1.

Adams, I. W., assignee : *See*— Stevens, Milton J.

Adams, J. D., Manufacturing Company, assignee : *See*— Lewis, Harold L.
Rhodes, John W.

Adams, James A., assignor to The Mine and Smelter Supply Company, Denver, Colo. Electrical circuits for grinding mills. 2,499,347, Mar. 7.

Adams, James B. : *See*— Browning, John W., and Adams.

Adams, James B., Havre, Mont. Universal joint for hand tools. 2,526,105, Oct. 17.

Adams, James F. : *See*— Waller, Ernest F., Walker, and Adams.

Adams, John B., Chicago, Ill. Bookkeeping device. 2,523,803, Sept. 26.

Adams, John Q., Schenectady, N. Y., assignor to General Electric Company. Saturable magnetic core. 2,498,475, Feb. 21.

Adams, John V. : *See*— Haines, Ray E., and Adams.

Adams, Kenneth H. : *See*— Doelling, George L., and Adams.

Adams, Kenneth H., Fenton, and G. L. Doelling, assignors to Mississippi Valley Research Laboratories, Inc., St. Louis, Mo. Thermosetting formaldehyde resin modified with a polyethylene glycol bis-(aminophenyl) ether. 2,535,380, Dec. 26.

Adams, Lytle S., Los Angeles, Calif. Aerial seed distributor. 2,528,986, Nov. 7.

Adams, Marjory, Laguna Beach, Calif. Sunshade. 2,521,768, Sept. 12.

Adams, Merrill L. : *See*— Hearne, George W., and Adams.

Adams-Millis Corporation, assignee : *See*— Marlette, Goley R.

Adams, Mozel A., Evangeline, assignor of one-half to C. V. Radke, Jennings, La. Elevating device for raising gin poles on trucks. 2,493,099, Jan. 3.

Adams, Mozel A., Evangeline, La. Fishing lure. 2,508,560, May 23.

Adams, Mozel A., Evangeline, La. Hook attachment for artificial bait. 2,522,808, Sept. 19.

Adams, Mozel A., Evangeline, La. Automatic anticlog salt shaker. 2,525,331, Oct. 10.

Adams, Mozel A., Evangeline, assignor to T. Crain and G. P. Modlish, Jefferson Davis Parish, La. Pipe roller. 2,531,545, Nov. 28.

Adams, Paul R.: *See*—
Busignies, Henri G., and Adams.
Busignies, Henri G., Adams, and Colin.
Delgraine, Edmond M., and Adams.
Hoffman, Ross B., and Adams.

Adams, Pierrepont, Glenbrook, Conn., assignor to American Cyanamid Company, New York, N. Y. Tri-azine derivatives and preparing the same. 2,508,323, May 16.

Adams, Ralph, Macon, Ga. Shirt package and making the same. 2,522,979, Sept. 19.

Adams, Raymond B., Quinton, Okla. Double spiral ratchet wrench. 2,521,816, Sept. 12.

Adams Rite Manufacturing Company, assignee: *See*—
Adams, Arthur R.

Adams, Robert R., Cincinnati, and R. L. Henry, Indian Hill Village, Ohio. Clothesline hanger. 2,493,331, Jan. 3.

Adams, Roger, Urbana, Ill. Dibenzopyran marihuana-like compounds. 2,509,386, May 30.

Adams, Roger, Urbana, Ill. Dibenzopyran marihuana-like compounds. 2,509,387, May 30.

Adams, Roy L., Schenectady, N. Y., assignor to General Electric Company. Article of tungsten and wrought copper joined by cast copper. 2,506,326, May 2.

Adams, Walcott M., New York, N. Y. Mechanism for varying the setting of an object in accordance with conditions as established by the setting of the object. 2,508,441, May 23.

Adams, Whitney R., Matawan, N. J., assignor to Johnson & Johnson. Fiber treatment. 2,493,740, Jan. 10.

Adams, William J., assignee: *See*—
Albright, John C.

Adams, William N., Jr., Decatur, Ga. Fishing plug retriever. 2,493,100, Jan. 3.

Adamson, Arthur P., Ballston Spa, N. Y., assignor to General Electric Company. Angular motion transmitting apparatus. 2,508,985, May 23.

Adamson, Frank M.: *See*—
Cadwell, Clarence J., and Adamson.

Adamson, Patrick, Haileybury, Ontario, Canada. Drill bit. 2,511,831, June 20.

Adamson, Robert A., West Wickham, England. Electrically heated soldering iron. 2,518,265, Aug. 8.

Adamtchik, Michael T., Brighton, assignor of one-half to J. R. Kennedy, London, England. Guide vane for axial flow screw fans, propellers, pumps, and the like. 2,524,869, Oct. 10.

Adamtchik, Michael T., Brighton, assignor of one-half to J. R. Kennedy, London, England. Screw fan, pump, or other cased or uncased screw wheel. 2,524,870, Oct. 10.

Adcock, Norman E.: *See*—
Collins, Henry M., and Adcock.

Adde, Joseph A., Memphis, Tenn. Industrial lift truck. 2,512,409, June 20.

Addelston, Aaron: *See*—
Lawson, Elmer J., Fohlen, and Addelston.

Addink, Nicolaas W. H., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Producing selenium rectifiers. 2,510,361, June 6.

Addis, Clarence A.: *See*—
Winchel, Henry T., and Addis.

Addison, Henry D.: *See*—
D'Alelio, Gaetano F., and Addison.

Additon, Forrest, Flowery Branch, Ga. Invalid walker. 2,519,096, Aug. 15.

Addressograph-Multigraph Corporation, assignee: *See*—
Bray, Henry F.
Curtis, Franklin E.
Gollwitzer, Walter T.
Gollwitzer, Walter T., and Gruver.
Gruver, John H.
Janke, Edward J.
Morse, Lawrence H.
Van Dusen, Charles H., Jr.
Wescott, William B.

Adel Precision Products Corp., assignee: *See*—
Fassin, Gustave.
Kehle, Ottmar A.

Adell, John A., Orange, Mass. Measuring device. 2,512,514, June 20.

Adelsohn, Norman, and A. Calone, Denver, Colo. Printer's padding press. 2,494,424, Jan. 10.

Adelson, David E.: *See*—
Evans, Theodore W., Adelson, and Whitehill.
Goren, Mayer B., and Adelson.

Adelson, David E., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Lubricating composition. 2,502,408, Apr. 4.

Adelson, David E., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Lubricant. 2,512,784, June 27.

Adelson, David E., Berkeley, and T. W. Evans, Oakland, assignors to Shell Development Company, San Francisco, Calif. Extractive distillation process for separating the azetropic distillate mixture of allyl alcohol and allyl acetate. 2,500,596, Mar. 14.

Adelson, David E., and H. Dannenberg, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Polyallyl acetoxyacetate. 2,503,699, Apr. 11.

Adelson, David E., and H. F. Gray, Jr., Berkeley, assignors to Shell Development Company, San Francisco, Calif. Producing alkyd resins and resins obtained therefrom. 2,512,410, June 20.

Adelson, David E., and H. Dannenberg, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Copolymers of allyl esters. 2,514,354, July 11.

Adelson, Samuel L., assignor to Infilco Incorporated, Chicago, Ill. Liquid level gauge. 2,496,366, Feb. 7.

Ade-O-Matic Company, assignee: *See*—
Glenkey, Paul G., and Patrick.

Adinamis, Peter J., and S. A. Bennett, Chicago, Ill. Light fixture. 2,532,800, Dec. 5.

Adkins, John S., Dayton, Ohio. Actuating mechanism for sensitive horizon bars. 2,524,745, Oct. 10.

Adkins, John S., Dayton, Ohio. Vertical gyroscope compensated for turn errors. 2,528,487, Nov. 7.

Adkins, Sterling, Newton, Ill. Spring supported tractor seat. 2,512,219, June 20.

Adkisson, Robert F., Verden, Okla. Bale regulator. 2,516,742, July 25.

Adlake Company, The, assignee: *See*—
Sevison, Harry D.

Adler, Ben, North Miami, Fla. Spiral bobby pin. 2,523,548, Sept. 26.

Adler, Benjamin, White Plains, N. Y. Capacitative coupling device. 2,511,524, June 13.

Adler, Cyrus M.: *See*—
Rowe, Walter, and Adler.

Adler, Henry, Brooklyn, N. Y. Drummer's practice device. 2,495,495, Jan. 24.

Adler, Herbert D., & Company, assignee: *See*—
Herrmann, Alvin G.

Adler, John B., Lincoln Park, and L. J. Rosa, Detroit, Mich. Hinge structure. 2,500,481, Mar. 14.

Adler, John H., assignor to Jax, Inc., Pittsburgh, Pa. Portable service station mounted on a vehicle. 2,498,229, Feb. 21.

Adler, Robert, Chicago, Ill., assignor to Zenith Radio Corporation. Magnetostrictively driven mechanical wave filter. 2,501,488, Mar. 21.

Adler, Robert, Chicago, Ill., assignor to Zenith Radio Corporation. Electron discharge device. 2,511,143, June 13.

Adler, Robert, Chicago, and J. G. Prentiss, Berwyn, Ill., assignors to Zenith Radio Corporation. High-gain amplifier tube. 2,533,750, Dec. 12.

Adler, Roman, New York, N. Y. Compact. 2,497,752, Feb. 14.

Adler, Roman, New York, N. Y. Novelty pin or brooch. 2,521,198, Sept. 5.

Adler, Solomon, Kew Gardens, N. Y. Threading device. 2,516,171, July 25.

Adlerstein, Herman, New York, N. Y. Knapsack. 2,517,757, Aug. 8.

Administrator, Civilian Production Administration, United States of America, as represented by the, assignee: *See*—
Stone, Robert L.

Admiral Corporation, assignee: *See*—
Faulkner, Willard.
Iwashita, George K.
Patterson, Charles F.
Williamson, Edward E.

Adolphson, Evert W., Des Moines, assignor to Deere Manufacturing Co., Dubuque, Iowa. Wheel cleaner. 2,522,204, Sept. 12.

Adragna, Philip, Brooklyn, N. Y. Gun type garden sprayer. 2,523,084, Sept. 19.

Adrian, Joseph, assignor to Super Speed Printing Machinery, Inc., Cleveland, Ohio. Drill sharpening device. 2,521,439, Sept. 5.

Adshead, Charles W., Ilford, assignor to Setright Registers Limited, London, England. Totalizator register. 2,514,174, July 4.

Advance Aluminum Castings Corporation, assignee: *See*—
Le Rette, Jerome H.

Advance Glove Manufacturing Company, assignee: *See*—
Keller, Joseph.

Advance Manufacturing, Inc., assignee: *See*—
Kirkpatrick, Henry O.

Advance Metal Products Company, assignee: *See*—
Hirschy, Charles.

Advance Solvents & Chemical Corporation, assignee: *See*—
Mack, Gerry P.

Advance Transformer Co., assignee: *See*—
Feinberg, Albert E.

Advertising Ingenuities, Inc., assignee: *See*—
Voges, Frederick.

Aeco Manufacturing Co., assignee: *See*—
Patterson, Howard V.

Aelony, David, Minneapolis, Minn., assignor to General Mills, Inc. Esters of hydroxyalkyl aromatic sulfonamides. 2,496,650, Feb. 7.

Aelony, David, Minneapolis, Minn., assignor to General Mills, Inc. Esters of hydroxyalkyl aromatic sulfonamides. 2,496,651, Feb. 7.

Aelony, David, Minneapolis, Minn., assignor to General Mills, Inc. Sulfonamide wax emulsions. 2,505,931, May 2.

Aeppli, Albert, assignor to Maag Zahnräder Und Maschinen, A. G., Zurich, Switzerland. Gear grinding machine. 2,522,334, Sept. 12.

Aeppli, Albert, assignor to Maag-Zahnräder und-Maschinen Aktiengesellschaft, Zurich, Switzerland. Index device for gear grinding machines. 2,528,988, Nov. 7.

Aerial Products, Inc., assignee: *See*—
Dwyer, Martin, and Tsang.

Aerl, Inc., assignee: *See*—
Todd, Earl.

Aermotor Company, assignee: *See*—
Scholes, Daniel R.

Aero Supply Mfg. Co., Inc., assignee: *See*—
Suska, Charles R.

Aeroglide Corporation, assignee: *See*—
Wilson, Broadus.

Aerojet Engineering Corporation, assignee: *See*—
Gongwer, Calvin A., and Merboth.
Hawk, Carson E., and Walker.
Plaut, Herman.
Wolfe, Charles M.
Zucrow, Maurice J.

Aerol Co. Inc., assignee: *See*—
Gaines, Frank E.

Aeronautical Research Corporation, assignee: *See*—
Reck, Frank.

Aeronca Aircraft Corporation, assignee: *See*—
Burn, Edward R.

Aeroquip Corporation, assignee: *See*—
Bradbury, Frederick J.
Brandau, Marvin W., and Main.
Brock, William H. J.
Hollerith, Charles.

Aerotec Corporation, The, assignee: *See*—
Oliveau, John V.
Watson, John E., and McBride.

Aeschlimann, John A., Montclair, N. J., and A. Stempel, Brooklyn, N. Y., assignors to Hoffman-La Roche Inc., Nutley, N. J. Carbamic acid esters. 2,493,710, Jan. 3.

Aeschlimann, John A., Montclair, N. J., and A. Stempel, Brooklyn, N. Y., assignors to Hoffmann-La Roche Inc., Nutley, N. J. Carbamic acid esters of (3-hydroxy-2-pyridylmethyl) amines and salts thereof. 2,512,732, June 27.

Aetna Casualty and Surety Company, The, assignee: *See*—
Bryan, Austin D., and Gebelein.

Aetna-Standard Engineering Company, The, assignee: *See*—
Rodder, William.
Vignere, Leonard A.

Affiliated Gas Equipment, Inc., assignee: *See*—
Antrim, William D.
Campbell, Donald A.
Campbell, Donald A., and Buck.
Cartter, William G.
Cerny, Joseph A., and Green.
Higley, Frank R.

Af Kleen, Nils E., Stockholm, Sweden, assignor to Kleen Refrigerator, Inc., Hoboken, N. J. Absorption or adsorption refrigeration. 2,496,459, Feb. 7.

Af Kleen, Nils E., Stockholm, Sweden. Aircraft refrigeration. 2,499,736, Mar. 7.

Af Kleen, Nils E., Stockholm, Sweden, assignor to Kleen Refrigerator, Inc., Hoboken, N. J. Refrigeration. 2,528,004, Oct. 31.

Afton, Leonard N., and S. Kaufman, Chicago, Ill., assignors to Arcadia Manufacturing Company. Film or plate viewer having a telescoping casing. 2,495,047, Jan. 17.

Agamaite, Edward, Jr., assignor to Fort Howard Paper Company, Green Bay, Wis. Roll toilet paper dispenser. 2,510,537, June 6.

Agee, Charles A. T., Collingswood, N. J. Combined cigarette extinguisher and ash tray. 2,495,496, Jan. 24.

Agee, Charles A. T., Signal Mountain, Tenn. Cigarette extinguisher. 2,518,849, Aug. 15.

Agee, Harold J., P. K. Cowgill, and J. D. Gordon, assignors to Olson Manufacturing Company, Boise, Idaho. Rotary beater topper for vegetable plants. 2,506,054, May 2.

Ager, Clarence P., Bremerton, Wash. Template holder. 2,494,532, Jan. 17.

Ager, Solomon, Bronx, N. Y. Applicator stick. 2,510,490, June 6.

Aget Manufacturing Company, assignee: *See*—
Gilmore, Harry L.

Agins, George, assignor to Arma Corporation, Brooklyn, N. Y. Ground speed indicator. 2,519,422, Aug. 22.

Agins, George, assignor to Arma Corporation, Brooklyn, N. Y. Servo-system. 2,529,065, Nov. 7.

Agins, George, Brooklyn, N. Y., and E. D. Gittens, Roselle, N. J., assignors to Arma Corporation, Brooklyn, N. Y. Stabilizing mechanism. 2,511,614, June 13.

Agner, Ralph R., Burlington, Wis. Universal actuating oarlock. 2,519,621, Aug. 22.

Agnew, Albert B., Philipsburg, Pa. Multiple tunnel kiln. 2,504,484, Apr. 18.

Agnew, Charles E., Shaker Heights, Ohio. Sintering machine. 2,506,569, May 9.

Agnew, Edward J.: *See*—
Blanton, William B., and Agnew.

Agnew, Edward J., Brooklyn, assignor to The Western Union Telegraph Company, New York, N. Y. Telegraph switching system. 2,511,832, June 20.

Agnew, George H.: *See*—
McKeever, Charles H., and Agnew.

Agrashell, Inc., assignee: *See*—
Ayers, Joseph W.

Agresti, Vincent A., Rochelle Park, assignor to Howe Machinery Company, Inc., Passaic, N. J. Constant tension elongated material handling mechanism. 2,534,496, Dec. 19.

Agriculture, State Board of, assignee: *See*—
Farrall, Arthur W.

Agriculture, United States of America as represented by the Secretary of, assignee: *See*—
Alexander, Kliem.
Arthur, Jett C., Jr.
Babcock, Glen E., and Smith.
Badgett, Charles O., and Woodward.
Balls, Arnold K., Walden, and Thompson.
Beckel, Arthur C., and Belter.
Beckel, Arthur C., Belter, and Deobald.
Beckel, Arthur C., Cowan, and Belter.
Buras, Edmund M., Jr., and Reid.
Burdick, Everette M.
Burr, Horace K., and Makower.
Carson, John F.
Carson, John F., and Lewis.
Castle, Francis J., and Beal.
Clark, Thomas F.
Colman, Edward A.
Couch, James F., Krewson, and Porter.
Croston, Clarence B., Evans, McKinney, and Cowan.
De Eds, Floyd, and Booth.
Dietz, Thomas J., and Hansen.
Eddy, Clyde W.
Emerson, Oliver H.
Evans, Cyril D., Ofelt, and Smith.
Feeney, Robert E., and Garibaldi.
Fein, Martin L., and Fisher.
Ferrel, Robert E., and Olcott.
Filachione, Edward M., Fein, and Fisher.
Goldblatt, Leo A., and Oldroyd.
Gordon, William G., Jackson, and Brown.
Graham, Robert P., and Shepherd.
Hamilton, Robert M., and Yanovsky.
Hellbach, Rudolph.
Hemmeter, George T.
Hills, Claude H.
Houston, David F.
Houston, David F., and Kester.
Jones, Chase B., and Mecham.
Jones, Harrison W., and Lundgren.
Kester, Ernest B.
Krewson, Charles F., Naghski, and Porter.
Kyame, George J.
Lathrop, Elbert C.
Lawrence, Ray V., and Kaufmann.
Lewis, Arthur J.
Lewis, Arthur J., Moser, and Cowan.
Lewis, James C., and Jansen.
Lockwood, Lewis B., and Stodola.
Loughborough, William K., and Espenas.
Mast, William C.
Mast, William C., and Fisher.
McConnell, Nealy C., Mims, Poole, and Lanier.
McKinney, Leonard L., Uhing, and Cowan.
McMeekin, Thomas L., Reid, Warner, and Jackson.
Mecham, Dale K.
Mehltretter, Charles L., and Dvonch.
Olcott, Harold S., and Mohammad.
Owens, Harry S.
Owens, Harry S., and Lotzkar.
Owens, Harry S., McCready, and Maclay.
Owens, Harry S., and Schultz.
Peterson, Robert F.
Peterson, Robert F., and Jackson.
Pulley, George N., and Veldhuis.
Ratchford, William P., and Fisher.
Reed, Irvin F., and Brown.
Reeves, Richard E.
Rehberg, Chessie E., and Fisher.
Reid, John D., and Daul.
Reid, John D., Ward, and Mazzeno.
Savich, Theodore R., and Goldblatt.
Schopmeyer, Clifford S.
Slotter, Richard L., and Anderson.
Smith, Claude R.
Smith, George S.
Stark, John B., and Walter.
Stubbs, Joseph J., Feeney, Garibaldi, and Feustel.
Swern, Daniel.
Swern, Daniel, and Dickel.
Wall, Monroe E.
Weil, Leopold, Woodward, Howard, and Keil.
Williams, Kenneth T., and Potter.
Williamson, Robert V., and Clark.
Woodward, Charles F., and Badgett.

Agron, Paul A., Kew Gardens, N. Y., and S. W. Weller, Pittsburgh, Pa., assignors to the United States of America as represented by the United States Atomic Energy Commission. Producing uranium fluorides and a compound produced thereby. 2,510,850, June 6.

Agy, Vaughn L.: *See*—
Hughes, Ernest S., Agy, and Duffin.

Åhblom, Sven W., Stockholm, assignor to Svenska Aktiebolaget Gasaccumulator, Lidingo, near Stockholm, Sweden. Compass scale of aircraft compasses and mariners' compasses. 2,526,921, Oct. 24.

Ahern, William B., and A. J. Walt, De Kalb, assignors to The Rudolph Wurlitzer Company, Chicago, Ill. Treble action for accordions. 2,495,913, Jan. 31.

Ahern, William B., and A. J. Walt, De Kalb, assignors to The Rudolph Wurlitzer Company, Chicago, Ill. Piano accordion. 2,495,914, Jan. 31.

Ahern, William B., and A. J. Walt, De Kalb, assignors to The Rudolph Wurlitzer Company, Chicago, Ill. Accordion hand strap mounting. 2,495,915, Jan. 31.

Ahlberg, Curt F., Appelviken, assignor to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden. Regulating device for electromagnetic driven vibratory pendulums. 2,493,101, Jan. 3.

Ahlberg, Jacob E., and C. F. Hiskey, New York, N. Y., assignors to the United States of America as represented by the United States Atomic Energy Commission. Liquid stabilization of nickel catalysts. 2,495,497, Jan. 24.

Ahlers, Philip J., Westport, Conn. Elastic fabric. 2,518,110, Aug. 8.

Ahles, Robert D., Schenectady, N. Y., assignor to General Electric Company. Mold for casting metals. 2,535,662, Dec. 26.

Ahlgren, Erick L., Houston, Tex. Formation tester. 2,535,342, Dec. 26.

Ahlport, Brodie E., Los Angeles, Calif. Backflow prevention valve. 2,498,631, Feb. 28.

Ahlstrand, Phillip M., Kenmore, N. Y., assignor to The Linde Air Products Company. Cold treating method and apparatus. 2,534,334, Dec. 19.

Ahmer, Carl W., Chicago, Ill. Knife handle. 2,517,158, Aug. 1

Aho, Hjalmar, New York, N. Y. Information indicating system. 2,515,387, July 18.

Aho, John, assignor of one-half to H. Niessen, Brooklyn, N. Y. Adjustable stump support for artificial legs. 2,500,622, Mar. 14.

Ahrens, John E., Cincinnati, Ohio. Refrigeration unit. 2,496,652, Feb. 7.

Ahrens, Richard H., Olathe, Kans. Liquid cooling device. 2,497,389, Feb. 14.

Aicardi, Joseph, Versailles, assignor to Societe Francaise Sadir-Carpentier, Paris, France. Radio beacon system. 2,496,367, Feb. 7.

Aicher, Louis C., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Step regulator control system. 2,512,989, June 27.

Aiken, Daymond J., Lockport, Ill. Combination chart rack and chalk board. 2,499,240, Feb. 28.

Aiken, John K.: *See*—
Jones, Harry, and Aiken.

Aiken, Thomas M., Pittsburgh, Pa. Rotary blade shutter with flash lamp synchronizing switch. 2,514,302, July 4.

Aiken, William L., Ardmore, Pa. Bottle warmer. 2,526,447, Oct. 17.

Aiken, William R., Berkeley, calif. Electrical circuit switching device. 2,529,323, Nov. 7.

Aikins, John R.: *See*—
Exline, Paul G., and Aikins.

Aikman, Burton S., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Automatic drain valve. 2,508,132, May 16.

Aimes, Francis M., Malden Bridge, N. Y. Mechanical pencil with screw feed. 2,516,938, Aug. 1.

Aimonetti, Felix A., assignor to Link Aviation, Inc., Binghamton, N. Y. Sectional canoe. 2,514,303, July 4.

Aines, Andrew A., U. S. Army. Trouser blousing means. 2,525,756, Oct. 17.

Ainley, Ellis, assignor to Alverstone Products Limited, London, England. Electrical antitheft device for motor vehicles. 2,517,619, Aug. 8.

Ainslee Leather Manufacturing Corp., assignee: *See*—
Hack, Sidney.

Ainsworth, Chester D., Wollaston, and G. E. Jansson, North Quincy, Mass., assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Circuit breaker with lever type current connection. 2,533,545, Dec. 12.

Ainsworth, George O., assignor to Bendix Aviation Corporation, South Bend, Ind. Immobilizing mechanism for clutch pedals. 2,513,439, July 4.

Ainsworth, Harry L., Denver, Colo. Waterproofing compound for masonry. 2,508,480, May 23.

Air Associates, Incorporated, assignee: *See*—
Ambrose, Felix R.
Griswold, Owen H.
Kuplec, Harry P.

Air Force, United States of America as represented by the Secretary of, assignee: *See*—
Corcoran, William B.
Larrabee, Martin G., and Rawson.
Lewis, John H., and Allison.
McLean, William B., and Swift.
O'Connor, Andrew L., Jr.
Trimbach, Clem G.
Welsh, James P., and Jewett.

Air-A-Feed Equipment, Inc., assignee: *See*—
Moore, Edgar S.

Air Control Products, Inc., assignee: *See*—
Leigh, Robert L.

Air Controls, Inc., assignee: *See*—
Schwarz, Gerald L.

Aircraft-Marine Products Inc., assignee: *See*—
Balsbaugh, Jayson C.
Freedom, Thomas C.
Macy, James C.

Aircraft Radio Corporation, assignee: *See*—
Cushing, Philbrook.

Air Devices, Inc., assignee: *See*—
O'Day, Cortland N.

Airdraulics Engineering, Inc., assignee: *See*—
Smilansky, Stephen.

Airequipt Manufacturing Co., Inc., assignee: *See*—
Wiklund, Carl H.

Airkem, Inc., assignee: *See*—
Abbott, Furman S.
Canney, Arthur W.
Paschal, Guy S.

Airline Foods Corp., assignee: *See*—
Zabriskie, George A., III, and Fosdick.

Air-Maze Corporation, assignee: *See*—
Brown, Richard E.
Glanzer, Clarence J., and Schaaf.
Walton, George M.

Airolite Company, The, assignee: *See*—
Rose, Fred.

Airosol, Inc., assignee: *See*—
Greenwood, Clifford W.

Air-O-Spra Corporation, assignee: *See*—
Engstrum, Paul.

Airplane & Marine Instruments, Inc., assignee: *See*—
Benner, Theodore A.

Air Preheater Corporation, The, assignee: *See*—
Cooper, Roland S., and Karlsson.
Holm, Sven.
Holm, Sven, and Karlsson.
McKee, Neal T.
Tigges, Alexander J., and Braddon.

Air Products, Incorporated, assignee: *See*—
Schilling, Clarence J.

Airquipment Company, assignee: *See*—
Geren, Vincent E.

Air Reduction Company, Incorporated, assignee: *See*—
Anderson, James L.
Anderson, Nelson E.
Anderson, Nelson E., and Sullivan.
Anderson, Nelson E., and Turbett.
Begerow, John H. W.
Begerow, Walter.
Chiswik, Haim H.
Clinton, Edward J., Jr., and Flynn.
Crowe, John J.
Deming, George M.
Deming, George M., and Gilroy.
Dennis, Wolcott.
Georg, Walter.
Hooper, Harry.
Hoover, Charles O.
Hughey, Howard G.
Hulme, Philip M.
Jones, Harold O.
Kiernan, Joseph F.
Moore, William C.
Muller, Albert.
Muller, Albert, Gibson and Anderson.
Nicolaisen, Reidar J.
Rieppel, Perry J.
Rothschild, Gilbert R.
Schlitt, Joseph L.
Slottman, George V.
Slottman, George V., and Hulme.
Thurman, Oliver, Jr.
Tyrner, Joseph M.
Tyrner, Joseph M., and Anderson.

Air-Way Electric Appliance Corporation, assignee: *See*—
Nuffer, Joseph H.
Restemeier, Edward F.

Aisthorpe, John W., Winslow, Ind. Mechanical cleaner for dragline buckets and the like. 2,501,489, Mar. 21.

Aiston, Stewart: *See*—
Cox, Herald R., and Aiston.

Aitcheson, Thomas G., Kenmore, N. Y., assignor to American Optical Company, Southbridge, Mass. Adjustment mechanism for microscopes. 2,508,738, May 23.

Aitchison, Thomas C., and J. K. Easley, Pittsfield, Mass., assignors to General Electric Company. Housing and mounting for capacitors. 2,522,980, Sept. 19.

Ajax-Consolidated Company, assignee: *See*—
Bretz, Frank E., Jr.
Donop, August W.

Ajax Electric Company, Inc., assignee: *See*—
Adam, William, Jr.
Rosseau, Leon B.

Ajax Engineering Corporation, assignee: *See*—
Tama, Manuel.
Tama, Mario.

Ajax Iron Works, assignee: *See*—
Mueller, Herman G.

Ajax Manufacturing Company, The, assignee: *See*—
Criley, William W.

Ake, John E., Montclair, and K. Miller, New Brunswick, assignors to Joseph Dixon Crucible Company, Jersey City, N. J. Brittlizing pencil sheaths. 2,510,941, June 13.

Akeley, Lloyd T., Lynn, Mass., assignor to General Electric Company. Switch for electric hot plates. 2,524,506, Oct. 3.

Akeley, Lloyd T., Lynn, Mass., assignor to General Electric Company. Process timer. 2,525,440, Oct. 10.

Akeley, Lloyd T., Lynn, Mass., assignor to General Electric Company. Top burner electric range automatic cooking. 2,534,097, Dec. 12.

Akerman, John D., Minneapolis, Minn. Ventilator suit. 2,512,990. June 27.

Akerman, John D., Minneapolis, Minn. Closure collar for respirators. 2,521,679, Sept. 12.

Akeroyd, Julius A., East Greenwich, R. I., assignor to General Electric Company. Eyelet feeding mechanism. 2,518,850, Aug. 15.

Akers, Charles W., assignee: *See*—
McIntosh, David O.

Akers, Joshua R., Glen Cove, N. Y., and C. B. Hamlin, Holtwood, Pa. Recovering fatty acids from a sludge. 2,501,806, Mar. 28.

Akers, Ruth W., Freeport, Tex.; now by decree of marriage Ruth Akers Nielsen. Dress form. 2,533,906, Dec. 12.

Akers, Walter C., North Matewan, W. Va. Twine lifter. 2,525,631, Oct. 10.

Akester, Joseph C., Haywards Heath, and T. Wylie, Twickenham, assignors to Axia Fans Limited, London, England. Ventilating system. 2,523,933, Sept. 26.

Akeyson, Swan M., Long Beach, Calif. Disk type of rotary bit. 2,526,838, Oct. 24.

Akkerman, Gerrit: *See*—
Kolvoort, Egbert C. H., and Akkerman.

Aklin, George H.: *See*—
Litten, Walter, Aklin, and Altman.
Wood, Donald L., and Aklin.

Akron Brass Mfg. Company, Inc., assignee: *See*—
Lee, Floyd J.

Akron Standard Mold Company, assignee: *See*—
Kastner, Edward C.

Akroyd, Harold, assignor to Oldham & Son Limited, Denton, near Manchester, England. Electromagnetic relay. 2,505,225, Apr. 25.

Aktiebolaget Addo, assignee: *See*—
Lundin, Sven A. E.
Lydfors, John, and Lundin.

Aktiebolaget Atlas Diesel assignee: *See*—
Munck af Rosenschold, John R.

Aktiebolaget Atvidabergs Industrier, assignee: *See*—
Gustavsson, Karl-Axel, Munch, and Tangeberg.

Aktiebolaget Bygg-och Transportekonomi, assignee: *See*—
Nilsson, Even R.

Aktiebolaget Colorator, assignee: *See*—
Nieburg, Felix.

Aktiebolaget Cryptoteknik, assignee: *See*—
Johansson, Carl A.
Ohlsson, Olof A.

Aktiebolaget A. Ekströms Maskinaffär, assignee: *See*—
Säll, Erik.

Aktiebolaget Elektrolux, assignee: *See*—
Bäckström, Sigurd M.
Bilde, Tord E. D., and Halldin.
Jodell, Georg E.
Hansson, Erik O. H.
Kogel, Wilhelm G.
Widell, Nils E.

Aktiebolaget Facit, assignee: *See*—
Annerén, Rolf E.
Grip, Erik K.
Toorell, Sture.

Aktiebolaget Gotaverken, assignee: *See*—
Johansson, Johan E.

Aktiebolaget C. E. Johansson, assignee: *See*—
Holmberg, Petrus S.

Aktiebolaget Johnson & Borsell, assignee: *See*—
Lindmark, Johan G.

Aktiebolaget Kamyr, assignee: *See*—
Richter, Johan C. F. C.
Vitalius, Josef V., and Klykken.

Aktiebolaget Kantha, assignee: *See*—
Malm, Anders E.

Aktiebolaget Linderoths Patenter, assignee: *See*—
Linderoth, Erik T.

Aktiebolaget Ljungmans Verkstader, assignee: *See*—
Olsson, Birger S.

Aktiebolaget V. Löwener, assignee: *See*—
Hollander, Nils B. F.

Aktiebolaget Malcus Holmquist, assignee: *See*—
Thomte, Sten E. A.

Aktiebolaget Separator, assignee: *See*—
Erling, Sven J.
Giger, Walter, Schroeder, and Pfenninger.
Hanno, Tore V.
Jansson, Ernst T.
Lindgren, Hans O.
Sarland, Karl J.
Staaff, Per H.
Stigen, Alf L.
Svensjo, Nils E.
Wideroe, Rolf.

Aktiebolaget Slipmaterial-Naxos, assignee: *See*—
Dahlström, Gottfrid O. A.

Aktiebolaget Svenska Kullagerfabriken, assignee: *See*—
Lamm, Ake M.

Aktiebolaget Wilh Becker, assignee: *See*—
Nilsson, Nils A.

Aktiengesellschaft Brown, Boveri & Cie, assignee: *See*—
Beldi, Fritz.
Billeter Walter.
Darrieus, Georges.
Diebold, Eduard.
Hartmann, Hans.
Keller, Curt.
Keller, Hans.
Keller, Robert.
Jaggi, Walter, and Blunschi.
Kocher, Hermann.
Matthey-Doret, André.
Mayerhans, August.
Meyerhans, August.
Pfenninger, Hans.
Scharli, Rudolf, and Meyerhans.
Wideröe, Rolf.

Aktiengesellschaft Cilander, assignee: *See*—
Steinlin, Paul W.

Aktiengesellschaft der Eisen-und Stahlwerke vormals Georg Fischer, assignee: *See*—
Mynssen, Jacob W.

Aktiengesellschaft Fuer Technische Studien, assignee: *See*—
Hartmann, Hans.
Ruegg, Rudolf.
Salzmann, Fritz.
Villiger, Eugen.
Villiger, Eugen and P.

Aktiengesellschaft vorm. B. Siegfried, assignee: *See*—
Demolis, Andre.

Aktieselskapet Stord, assignee: *See*—
Notevarp, Olav.

Aladdin Industries, Incorporated, assignee: *See*—
Bramming, Carl.
De Tar, Donald R., and Kirk.
Engh, Walter B., and Davis.
Jacob, Frederick N., Stout, and Miller.
Schaper, William A.

Aladdin Industries Limited, assignee: *See*—
Hebard, Hugh C.

Alamagny, Marcel A. C., Saint-Cloud, France. Automobile vehicle. 2,533,752, Dec. 12.

Alaska Pacific Salmon Company, assignee: *See*—
Hubbard, John W.

Albany Felt Company, assignee: *See*—
Barnes, Charles R.

Albaugh, Ellis, Sr., San Antonio, Tex. Device for picking cotton. 2,506,287, May 2.

Albaugh, Frederick W., Richland, Wash., assignor to Union Oil Company of California, Los Angeles, Calif. Water drive. 2,533,546, Dec. 12.

Albemarle Paper Manufacturing Company, assignee: *See*—
Outterson, Charles R., and Ford.

Albemarle Paper Manufacturing Company, The, assignee: *See*—
Pierce, John S.

Alben, Frank L., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Locomotive axle quill drive. 2,498,230, Feb. 21.

Alben, Frank L., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Reverse gearing. 2,504,781, Apr. 18.

Alberding, John H., Jr., Decatur, Ind. Glove turning device. 2,513,612, July 4.

Albers, Joseph A., Cheviot, Ohio. Automatic secretarial reminder. 2,533,751, Dec. 12.

Albers Schoenberg, Ernst, Metuchen, assignor to Steatite Research Corporation, Keasbey, N. J. Treating ferrites. 2,535,025, Dec. 26.

Albersheim, Walter J., Interlaken, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Modulation of high frequency generators. 2,198,059, Feb. 21.

Albersheim, Walter J., Interlaken, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Directive scanning antenna system. 2,514,617, July 11.

Albert, Edward V., New Rochelle, T. H. Randall, Jr., Beacon, and E. M. Barber, Wappingers Falls, assignors to The Texas Company, New York, N. Y. Fuel-air ratio controller. 2,531,243, Nov. 21.
Albert, Harry E., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Stannous phenylcatecholates. 2,514,179, July 4.
Albert, Harry E., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Antimony phenol sulfides. 2,514,186, July 4.
Albert, Harry E., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Stannous diphenol sulfoxides. 2,514,188, July 4.
Albert, Harry E., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Stabilization of synthetic and natural rubber with antimony salts of phenol sulfides. 2,514,193, July 4.
Albert, Harry E., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Stabilization of synthetic rubbers. 2,514,210, July 4.
Albert, Harry E., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Preserving rubber. 2,514,218, July 4.
Albert, Harry E., assignor to the Firestone Tire & Rubber Company, Akron, Ohio. Stabilizers. 2,514,220, July 4.
Albert, Harry E., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Stabilization of rubbery copolymers with stannous phenylcatecholates. 2,514,221, July 4.
Albert, Henry J., assignee: *See*—
Hensley, Lida B.
Albert, Jacob A., Annville, Pa. Poultry fountain. 2,499,940, Mar. 7.
Albert, Louis L., Irvington, N. J. Collapsible poultry crate. 2,529,893, Nov. 14.
Albert, Shahady E.: *See*—
Moses, Isaac, Jr., and Albert.
Albert, Walter P., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Motor control system. 2,504,613, Apr. 18.
Albert, Walter P., Madison, N. J. Power-transmitting system. 2,525,192, Oct. 10.
Albertoli, John, San Francisco, Calif. Can feeding device. 2,500,503, Mar. 14.
Albertoli, John, San Francisco, Calif. Box handling apparatus. 2,517,956, Aug. 8.
Albertoli, John, San Francisco, Calif. Fruit guiding apparatus. 2,524,248, Oct. 3.
Alberts, Arthur S.: *See*—
Alberts, Sydney S. and A. S.
Alberts, Arthur S. and S. S., Yonkers, N. Y. Film development reel. 2,499,348, Mar. 7.
Alberts, Sydney S.: *See*—
Alberts, Arthur S. and S. S.
Alberts, Sydney S., Yonkers, N. Y. Making brassières. 2,508,355, May 23.
Alberts, Sydney S., Yonkers, N. Y. Brassière. 2,528,105, Oct. 31.
Alberts, Sydney S. and A. S., Yonkers, N. Y. Rotary developing tank. 2,519,337, Aug. 22.
Albertson, David W., U. S. Navy. Fog gun attachment for crash fire and rescue work. 2,525,757, Oct. 17.
Albertson, Meredith P., Jr., Detroit, Mich., assignor, by mesne assignments, to The Ohio Crankshaft Company, Cleveland, Ohio. Refractory and heat insulated induction heating head. 2,510,942, June 13.
Albertson, Noel F., East Greenbush, assignor to Sterling Drug Inc., New York, N. Y. Preparation of alpha-acylamino-alpha-substituted-acetic acids. 2,531,595, Nov. 28.
Albertson, Noel F., East Greenbush, and S. Archer, Albany, assignors, by mesne assignments, to Winthrop-Stearns Inc., New York, N. Y. Production of a 3-(lower acyl)amino-3-carbalkoxy-2-piperidones. 2,496,326, Feb. 7.
Albertson, Victor N., Minneapolis, Minn. Ratchet wrench. 2,529,476, Nov. 14.
Albi Manufacturing Co., Inc., assignee: *See*—
Jones, Grinnell, Juda, and Soll.
Albin, Jack J.: *See*—
De Nardis, Cornelius R., and Albin.
Albiswerk Zurich A. G., assignee: *See*—
Patry, Jean, and Strub.
Albrand, Wladimir: *See*—
Genin, Georges A. V. J., and Albrand.
Albrand, Wladimir, assignor to Compagnie General D'Electricite, Paris, France. Regulation of two stage automatic charging of storage batteries. 2,502,692, Apr. 4.
Albrecht, Alexander J., West New York, N. J., assignor to R. Hoe & Co., Inc., New York, N. Y. Sheet registering mechanism. 2,528,106, Oct. 31.
Albrecht, Alexander J., West New York, N. J., assignor to R. Hoe & Co., Inc., New York, N. Y. Sheet register mechanism. 2,529,273, Nov. 7.
Albrecht, Donald R., assignor to B. M. C. Manufacturing Corporation, Binghamton, N. Y. Toggle-actuated plier-type wrench. 2,525,630, Oct. 10.
Albrecht, George F., Whitinsville, Mass. Ring assembly. 2,502,116, Mar. 28.
Albrecht, Kurt, Pleasant Hills Borough, assignor to Hall Laboratories, Inc., Pittsburgh, Pa. Conductivity cell. 2,525,754, Oct. 17.
Albrecht, Oscar A., Omaha, Nebr. Toy firearm. 2,494,605, Jan. 17.
Albrecht, Otto, Neuewelt, near Basel, R. Sallmann, Gelterkinden, and C. Graenacher, Riehen, assignors to Ciba Limited, Basel, Switzerland. N-acylated amino-methyl ethers and making same. 2,523,934, Sept. 26.
Albrecht, Otto, Neuewelt, J. Frei, Monthey, and A. Landolt, Riehen, Switzerland, assignors to Ciba Limited. Composition comprising a nitrogenous resin and copper for aftertreating substantive dyeings and prints. 2,526,106, Oct. 17.
Albrecht, Vladmir: *See*—
Čech, Jaroslav, and Albrecht.
Albree, George N., Winchester, Mass. Ammunition. 2,493,938, Jan. 10.
Albright, Charles B., New York, N. Y., assignor to Orr Felt and Blanket Company, Piqua, Ohio. Drying and curing apparatus. 2,506,760, May 9.
Albright, Charles B., New York, N. Y., assignor to The Orr Felt & Blanket Company, Piqua, Ohio. Method and apparatus for uniformly drying and curing a resin impregnated endless textile strip. 2,512,128, June 20.
Albright, Charles B., New York, N. Y., assignor to The Orr Felt & Blanket Company, Piqua, Ohio. Method and apparatus for drying and curing felts. 2,518,740, Aug. 15.
Albright, Edward J., assignee: *See*—
Tomlinson, Kent.
Albright, Edward J., Chicago, Ill. Conveyer for eviscerating apparatus. 2,516,499, July 25.
Albright, John C., assignor, by mesne assignments, to himself and W. J. Adams, Chicago, Ill. Motion transmitting device. 2,534,497, Dec. 19.
Albright, John R., assignor to Geo. D. Roper Corporation, Rockford, Ill. Rotary shaft seal. 2,503,086, Apr. 4.
Albro, Walter, Jamestown, N. Y. Clip retaining pocket attachment. 2,523,804, Sept. 26.
Alburger, James R., Los Angeles, Calif. Noise-reduction system. 2,512,785, June 27.
Alburn, Harvey E., and E. G. Snyder, assignors to Wyeth Incorporated, Philadelphia, Pa. Recovery and purification of antibiotics. 2,505,318, Apr. 25.
Alburn, Harvey E., and E. G. Snyder, assignors to Wyeth Incorporated, Philadelphia, Pa. Recovering and purifying streptomycin. 2,531,869, Nov. 28.
Alch, Lessing, St. Louis, Mo. Picnic table. 2,512,473, June 20.
Alco Valve Company, assignee: *See*—
Bower, George D.
Dube, John E.
Dube, John E., MacDougall, and Bower.
Houghton, Lyle S., and Ellis.
Ives, Clifford B.
Kounovsky, Edward F., and Dube.
McIlvaine, Douglas K.
Rose, Howard E.
Alcock, John F., North Lancing, assignor to H. R. Ricardo, London, England. Heat exchanger. 2,503,651, Apr. 11.
Aldeen, Gedor W., assignor to American Cabinet Hardware Corporation, Rockford, Illinois, Rockford, Ill. Table mounting device for children's high chairs. 2,519,951, Aug. 22.
Alden, Milton, Brockton, Mass. Portable electric light for connection with a motor vehicle. 2,511,893, June 20.
Alden, Richard C.: See—
Oberfell, George G., and Alden.
Alden Wonderall Company, assignee: *See*—
Elstrom, Mabel A., and Pauly.
Alderfer, Sterling W., assignor to Andrews-Alderfer Processing Company Incorporated, Akron, Ohio. Oral inflation valve. 2,502,301, Mar. 28.
Alderfer, Sterling W., Akron, assignor to Brainard Steel Company, Warren, Ohio. Telescopic and adjustable building support. 2,504,291, Apr. 18.
Alderman, Blair T., Eugene, assignor of one-half to V. T. Wiglesworth, Portland, Oreg. Pneumatic hammer for dozer blades. 2,499,620, Mar. 7.
Alderman, Mattison W., Battle Creek, Mich., assignor to General Foods Corporation, New York, N. Y. Puffed waxy cereal food and making same. 2,526,792, Oct. 24.
Alderman, Parker, assignee: *See*—
Costello, Michael J.
Alderson, Rolla, Denver, Colo. Wheeled lifting mechanism for heavy furniture. 2,513,440, July 4.
Alderson, William H.: *See*—
Clayton, James O., and Alderson.
Alderson, Witty L., Jr., Wilmington, Del., assignor to E. I. du Pont de Nemours & Company. Plywood. 2,532,983, Dec. 5.
Aldinger, Jacob G., deceased, late of West York, Pa.; by W. W. Aldinger, executor, Springfield, Pa., assignor to York Corporation. Compressor. 2,526,922, Oct. 24.
Aldinger, William W., executor: *See*—
Aldinger, Jacob G.
Aldon Products Company, The, assignee: *See*—
Vars, Ethan W.
Aldrich, John W., North Woodbury, assignor to Derby Sealers, Incorporated, Derby, Conn. Tape-dispensing mechanism. 2,525,755, Oct. 17.
Aldridge, Blair G., assignor to The Fluor Corporation, Ltd., Los Angeles, Calif. Pulsation and flow control system for gas lines. 2,501,751, Mar. 28.
Alenius, Nils R., Stockholm, Sweden. Wooden building block. 2,525,009, Oct. 10.
Alert Development Corporation, assignee: *See*—
Van Tassel, James.

Alessandro, Gaetano, Lorain, Ohio. Cooking and heating apparatus for vehicles. 2,526,923, Oct. 24.

Alessandroni, Hugh V.: *See*—
Turner, Joseph L., and Alessandroni.

Alexander, Ben, Nutley, N. J., and E. M. Deloraine, assignors to International Standard Electric Corporation, New York, N. Y. Pulse code communication system. 2,510,054, June 6.

Alexander, Carl Z., Hopatcong, N. J. Boiler. 2,511,683, June 13.

Alexander, Claude H., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Plasticized vinyl resin compositions. 2,500,891, Mar. 14.

Alexander, David P., Farnborough, England. Control of electric motors for operation of wing flaps of aircraft. 2,498,231, Feb. 21.

Alexander, Donald F., Oakwood, assignor to General Motors Corporation, Dayton, Ohio. Protector control. 2,518,741, Aug. 15.

Alexander, Donald F., Oakwood, assignor to General Motors Corporation, Dayton, Ohio. Pulse averaging circuit. 2,521,890, Sept. 12.

Alexander, Donald F., Oakwood, assignor to General Motors Corporation, Dayton, Ohio. Detonation indicating apparatus. 2,530,931, Nov. 21.

Alexander, Donald F., Oakwood, and A. J. Kuhn, Dayton, Ohio, and J. R. Hornaday, Los Angeles, Calif., assignors to General Motors Corporation, Dayton, Ohio. Rotatable control. 2,506,761, May 9.

Alexander, Emmett L., assignor to The George E. Failing Supply Company, Enid, Okla. Pulldown device for rotary drilling apparatus. 2,534,213, Dec. 19.

Alexander, Guy W., assignee: *See*—
Lamb, Chester R.

Alexander, Horace R.: *See*—
Wood, Homer J., and Alexander.

Alexander, James B., Denver, Colo. Making food products. 2,512,591, June 27.

Alexander, Julius, deceased, by T. Alexander, administratrix, Dallas, Tex. Adjustable bed spring and mattress. 2,519,729, Aug. 22.

Alexander, Kliem, Peoria, Ill., assignor to the United States of America as represented by the Secretary of Agriculture. Hydrogenated furfuralacetofuran. 2,532,279, Dec. 5.

Alexander, Mack C., Charlotte, N. C. Musical instrument. 2,529,584, Nov. 14.

Alexander, Maurice L., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Selective detector circuit. 2,512,595, June 27.

Alexander, Nelson E.: *See*—
Golden, Sidney, Comley, and Alexander.

Alexander, Paul, Berkhamsted, England. Eliminating moisture from the surface of moisture-absorbent sheet material. 2,519,728, Aug. 22.

Alexander, Paul R., Saugus, Mass. Sportsman's knife. 2,496,840, Feb. 7.

Alexander, Peter P., assignor to Metal Hydrides Incorporated, Beverly, Mass. Copper-titanium coating and bonding process. 2,512,455, June 20.

Alexander, Peter P., assignor to Metal Hydrides Incorporated, Beverly, Mass. Production of lithium hydride. 2,522,592, Sept. 19.

Alexander, Philip, New York, N. Y., assignor to Prel Inc. Container with closure and closure puncturing dispensing spout. 2,496,258, Feb. 7.

Alexander, Philip, New York, N. Y., assignor to Prel Inc. Compressed gas capsule with dispensing punch. 2,498,147, Feb. 21.

Alexander, Ray T.: *See*—
Mead, Ralph K., and Alexander.

Alexander, Roy H., Guam, Guam. Screw holding screw driver. 2,519,811, Aug. 22.

Alexander, Thelma, administratrix: *See*—
Alexander, Julius.

Alexander, Victor R., Independence, Mo. Coffee-making apparatus. 2,498,386, Feb. 21.

Alexander, Victor R., Independence, Mo. Flashlight. 2,522,012, Sept. 12.

Alexander, W. L., assignee: *See*—
Davidson, John R.

Alexander, William F.: *See*—
Bennett, Charles W., and Alexander.

Alexander, William G., Chicago, Ill. Device for barbecuing, roasting, broiling, and the like. 2,533,080, Dec. 5.

Alexander, William R.: *See*—
Rankin, John A., Alexander, and Deal.
Wilson, Clarence H., and Alexander.

Alexanderson, Ernst F. W., and F. G. Patterson, Schenectady, N. Y., and M. W. Sims, Fort Wayne, Ind., assignors to General Electric Company. Radio detection and ranging system employing multiple scan. 2,526,314, Oct. 17.

Alexanderson, Howard A., Wood Ridge, and H. A. Wheeler, Alwood, assignors to Bendix Aviation Corporation, Teterboro, N. J. Control mechanism for aircraft engines and superchargers. 2,495,564, Jan. 24.

Alexandersson, Harald V., Lidingo, assignor to Svenska Aktiebolaget Gasaccumulator, Lidingo, near Stockholm, Sweden. Automatic record changer for phonographs. 2,510,455, June 6.

Alfandre, Harry, assignee: *See*—
Loverch, Charles L.

Alfandre, Harry, Jamaica, N. Y. Strap assembling apparatus. 2,526,187, Oct. 17.

Alfano, Gustave, Long Island City, N. Y. Reel for electrical cables. 2,533,341, Dec. 12.

Alfonso, Joseph R., New York, N. Y. Motion-art mechanical toy. 2,498,476, Feb. 21.

Alford, Andrew, Cambridge, Mass., assignor to The Rauland Corporation, Chicago, Ill. Short-wave antenna. 2,501,430, Mar. 21.

Alford, Andrew, Cambridge, Mass. Antenna. 2,508,084, May 16.

Alford, Andrew, Cambridge, Mass., assignor to the United States of America as represented by the Secretary of War. Electrical apparatus. 2,516,500, July 25.

Alford, Andrew, Cambridge, Mass., assignor to the United States of America as represented by the Secretary of War. Rotatable wave guide joint. 2,535,251, Dec. 26.

Alfred, Lawrence W., Denver, Colo. Shelf attachment for tables. 2,526,793, Oct. 24.

Alfven, Hannes O. G., and H. A. R. Romanus, assignors to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden. Electron discharge apparatus. 2,513,260, June 27.

Algemeen Technisch-en Industrieel Bureau de Erven Jac. W. Rijns, assignee: *See*—
Reijns, Hermanus F. M.

Alger, Don L., Avalon, Calif. Plastic figurine. 2,506,328, May 2.

Alger, John T., assignor, by mesne assignments to F. Meyers and R. M. Spencer, Portland, Oreg. Thermal switch. 2,504,370, Apr. 18.

Alger, Milton W., and E. M. Taylor, Brockton, Mass. Archery arrow fletching. 2,525,332, Oct. 10.

Algin Corporation of America, The, assignee: *See*—
Le Gloahec, Victor C. E.

Alianiello, Nicholas, Toronto, Ontario, Canada. Cushioned shoe. 2,502,774, Apr. 4.

Alico, Incorporated, assignee: *See*—
Griner, Leslie J.

Alifano, Antonio, Brooklyn, and N. M. Porreca, Woodside, N. Y. Edge cutter attachment for sewing machines. 2,493,735, Jan. 10.

Alix, Elmer C., Charlton City, and H. A. Wilson, South Spencer, Mass. Device for removing waste yarn from bobbins. 2,499,810, Mar. 7.

Alix, Elmer C., Charlton City, and H. A. Wilson, South Spencer, Mass. Picker stick connection. 2,527,385, Oct. 24.

Alk, Abraham, Paterson, N. J. Daylight developing apparatus for photographic films. 2,498,477, Feb. 21.

Alkan, Robert, Locust Valley, N. Y., assignor to Specialties, Glen Cove, N. Y. Gyroscope erector system. 2,504,061, Apr. 11.

Alkan, Robert, Locust Valley, N. Y., assignor to Specialties, Inc. Angle of attack indicator. 2,504,062, Apr. 11.

Alkire, Elbern H., Easton, Pa. Pedal control for rheostats. 2,534,939, Dec. 19.

Alkire, Elbern H., Easton, Pa. Musical instrument. 2,535,252, Dec. 26.

Alkon Photo Products, Inc., assignee: *See*—
Conviser, Albert A., and Grossman.

All American Airways, Inc., assignee: *See*—
Cotton, Robert B.
Doolittle, Donald B.
Du Pont, Richard C.
Gottschall, Clarence R.

Allan, Barbara E., Peterborough, and A. M. Bourdillon, Goring, near Reading, England. Loom for use in occupational therapy. 2,502,691, Apr. 4.

Allan, Benjamin W., and F. O. Rummery, Baltimore, Md. Electrolytic production of gelatinous titanium hydrate nuclei. 2,533,208, Dec. 12.

Allan, John M., Vancouver, British Columbia, Canada. Bed table adjustable vertically and tiltably. 2,531,762, Nov. 28.

Allard, Franciscus A. A. M., Bloemendaal, assignor to N. V. Ijsfabriek en Koelhuis Ijsvries, Ijmuiden, Netherlands. Freezing tunnel. 2,511,661, June 13.

Allard, Frederic P., Mount Vernon, Ohio., assignor to Shellmar Products Corporation, Chicago, Ill. Laminating machine and method. 2,523,410, Sept. 26.

Allard, Pierre J.-M. T., Chantilly, France. Water closet with auxiliary chamber for a cleaning brush. 2,495,498, Jan. 24.

Allard, Pierre J.-M. T., Chantilly, France. Well sinking apparatus. 2,507,292, May 9.

Allardice, Thomas B., Mountain Lakes, N. J. Reminder device. 2,497,285, Feb. 14.

Allbert, Eugene F., Buffalo, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Load balancing motor control system. 2,530,930, Nov. 21.

Allbert, Eugene F., Turtle Creek, and M. H. Fisher, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Regulating generator control system. 2,519,212, Aug. 15.

Allbert, Eugene F., Turtle Creek, and M. H. Fisher, Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Motor control system. 2,519,213, Aug. 15.

Allbert, Eugene F., Turtle Creek, Pa., and A. W. Kimball, Buffalo, N. Y., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Motor control system. 2,523,085, Sept. 19.

Allcraft Corrugated Corporation, assignee: *See*—
Ross, Alfred.

Allder, George M.: *See*—
Sarsgard, Herschel B., and Allder.
Alldredge, Marshall H., Detroit, Mich., assignor to Thompson Products, Inc. Tie rod socket assembly. 2,499,346, Mar. 7.
Allegheny Ludlum Steel Corporation, assignee: *See*—
Norris, William H.
Allegro, Joseph A.: *See*—
Richeson, Sanford E., and Allegro.
Allemann, Otto: *See*—
Hartmann, Max, Druey, and Allemann.
Allen, Adda M., Arlington, Va., assignor to Disposable Bottle Corporation, Washington, D. C. Cap for non-rigid disposable nursing bottles. 2,497,197, Feb. 14.
Allen, Adda M., Arlington, Va., assignor to Disposable Bottle Corporation, Washington, D. C. Wide mouth nursing unit. 2,497,198, Feb. 14.
Allen, Adda M., Arlington, Va., assignor to Disposable Bottle Corporation, Washington, D. C. Neck ring and seal for nursing units. 2,508,481, May 23.
Allen, Adda M., Arlington, Va., assignor to Disposable Bottle Corporation, Washington D. C. Nursing device. 2,517,457, Aug. 1.
Allen, Alaric: *See*—
Fleming-Williams, Brian C., and Allen.
Allen, Albert E., Utica, N. Y. Knife. 2,502,404, Mar. 28.
Allen, Amos F., Newark, N. J. Transparent protective and display envelope. 2,520,449, Aug. 29.
Allen, Arthur C.: *See*—
Fagen, William F., Klug, and Allen.
Williams, Lynn A., Jr., and Allen.
Allen, Arthur C., assignor to Stewart-Warner Corporation, Chicago, Ill. Electronic circuit for triggering stroboscopic devices. 2,521,141, Sept. 5.
Allen-Bradley Company, assignee: *See*—
Bradley, Harry L.
Hudson, William J.
Matthias, Lynn H.
Matthias, Lynn H., and Ragatz.
Matthias, Lynn H., and Stong.
Tellkamp, Bernhard F.
Zabel, Harold H., Thomson, and Tellkamp.
Allen, Burris R., Detroit, Mich. Sheet metal bending brake for making S-clips. 2,504,782, Apr. 18.
Allen, Charles F. H.: *See*—
Lowe, Wesley G., and Allen.
Allen, Charles F. H., and D. M. Burness, assignors to Eastman Kodak Company, Rochester, N. Y. Bispyridyl compounds containing a silicon atom and preparation. 2,500,110, Mar. 7.
Allen, Charles L.: *See*—
Sawyer, Chester B., and Allen.
Allen, Clayton H., and I. Rudnick, State College, Pa., assignors, by mesne assignments, to The Pennsylvania Research Corporation. High-frequency siren. 2,528,026, Oct. 31.
Allen, Clement H., Freeport, N. Y., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Apparatus for condensing metal vapors. 2,514,275, July 4.
Allen Control Company, Inc. (1947), assignee: *See*—
Bancroft, James E.
Allen, Earl M., Chicago, Ill., assignor to The Union Switch and Signal Company, Swissvale, Pa. Railway track switch controlling apparatus. 2,511,760, June 13.
Allen, Earle F., Wellesley Hills, and L. M. Burrows, North Quincy, Mass., assignors to Manning, Maxwell & Moore, Incorporated, New York, N. Y. Flow control valve. 2,514,532, July 11.
Allen, Ellen B., assignee: *See*—
Smith, Paul S.
Allen, Everett R., Jersey City, assignor to Metals Disintegrating Company, Inc., Elizabeth, N. J. Aluminum paste pigment. 2,525,279, Oct. 10.
Allen, Everett R., Jersey City, assignor to Metals Disintegrating Company, Inc., Elizabeth, N. J. Aluminum paste pigment. 2,525,280, Oct. 10.
Allen, Everett W., Birmingham, assignor to General Motors Corporation, Detroit, Mich. Windshield wiper. 2,505,078, Apr. 25.
Allen, Francis J., Quarndon, assignor to Rolls-Royce Limited, Derby, England. Dynamo electrical machine. 2,519,097, Aug. 15.
Allen, Frank B., Lower Merion Township, Montgomery County, assignor to The Allen-Sherman-Hoff Company, Philadelphia, Pa. Method and apparatus for handling fine solids. 2,534,807, Dec. 19.
Allen, Frank M., assignor to Kenworth Manufacturing & Stamping Co., Milwaukee, Wis. Clothesline reel. 2,508,809, May 23.
Allen, George M.: *See*—
Rose, Bruce R., and Allen.
Allen, George W.: *See*—
Tramontini, Vernon N., and Allen.
Allen, George W., Erving, Mass. Rotary impact type screw driver. 2,524,155, Oct. 3.
Allen, George W., Indianapolis, Ind., assignor to Stewart-Warner Corporation, Chicago, Ill. Blower. 2,529,362, Nov. 7.
Allen, George W., and V. N. Tramontini, Indianapolis, Ind., assignors to Stewart-Warner Corporation, Chicago, Ill. Sheet metal internal-combustion heater. 2,507,081, May 9.
Allen, Harold P., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Heating apparatus. 2,515,579, July 18.
Allen, Harry L., Jr., Garfield Heights, and J. E. Smith, Cleveland Heights, Ohio. Multiple-layer hearth structure for metallurgical furnaces. 2,508,739, May 23.
Allen, Henry H., London, England, assignor, by mesne assignments, to Celanese Corporation of America. Recording head carriage guiding means. 2,513,441, July 4.
Allen, Henry H., New York, N. Y., assignor to Bemis Bro. Bag Company, Minneapolis, Minn. Closing bag tube ends. 2,524,030, Oct. 3.
Allen, Herbert, assignor to Cameron Iron Works, Houston, Tex. Valve. 2,505,270, Apr. 25.
Allen, Herbert, assignor to Cameron Iron Works, Houston, Tex. Wellhead. 2,517,821, Aug. 8.
Allen, Herbert, and M. T. Works, assignors to Cameron Iron Works, Inc., Houston, Tex. Sealing and testing wellhead connections. 2,531,596, Nov. 28.
Allen, Herbert A., Boston, Mass. Justifying ruler for typewritten matter. 2,517,159, Aug. 1.
Allen, Horace C., Princeton, N. J., assignor to Radio Corporation of America. Optical mixing of plan position indication and graphical information. 2,506,127, May 2.
Allen, Howard G., Niagara Falls, C. D. Thomas and R. C. Miller, Hamburg, N. Y., assignors to American Type Founders, Inc., Elizabeth, N. J. Tube forming machine. 2,509,714, May 30.
Allen, Howard G., Niagara Falls, and C. D. Thomas, Hamburg, N. Y., assignors to American Type Founders, Inc., Elizabeth, N. J. Tube machine. 2,509,715, May 30.
Allen Industrial Products, Incorporated, assignee: *See*—
Allen, Robert L., and Harbeck.
Allen, Ivey, Jr., and W. R. Marshall, Bloomfield, and G. E. Wightman, Upper Montclair, N. J., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Continuous bulk polymerization of styrene. 2,496,653, Feb. 7.
Allen, Jack G., Libertyville, assignor to F. H. Noble & Company, Chicago, Ill. Wrist watch holder for display containers. 2,504,485, Apr. 18.
Allen, Jack G., Libertyville, assignor to F. H. Noble & Company, Chicago, Ill. Container for articles of jewelry and the like. 2,517,758, Aug. 8.
Allen, James S.: *See*—
Burdick, Everette M., and Allen.
Rossi, Bruno B., and Allen.
Allen, James S., Santa Fe, N. Mex., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Computing system. 2,535,250, Dec. 26.
Allen, John D., assignor to Process Equipment Engineers, Inc., Belding, Mich. Mixing apparatus. 2,500,394, Mar. 14.
Allen, John F., Maroubra, Sydney, assignor to Amalgamated Wireless (Australasia) Limited, Sydney, New South Wales, Australia. Frequency comparator. 2,532,435, Dec. 5.
Allen, John H., and E. S. Ramsey, Fayetteville, W. Va. Switch for ventilating systems. 2,526,315, Oct. 17.
Allen, John S., assignor to The Walkolite Company, Incorporated, Montgomery, Ala. Combined pedestrian traffic signal and advertising device. 2,503,574, Apr. 11.
Allen, John W., Chicago, Ill., assignor to Chicago Bridge & Iron Company. Seal for floating roof tanks. 2,497,850, Feb. 21.
Allen, John W., Chicago, Ill., assignor to Chicago Bridge & Iron Company. Lifter roof storage tank. 2,497,851, Feb. 21.
Allen, John W., Chicago, Ill., assignor to Chicago Bridge & Iron Company. Gas holder. 2,525,758, Oct. 17.
Allen, Joseph W.: *See*—
Gartner, Lawrence E., and Allen.
Allen, Kenneth E.: *See*—
Allen, Olin E. and K. E.
Allen Manufacturing Company, assignee: *See*—
Gates, Clarence S.
Allen, Moses, Compton, assignor to T. R. Welch, Los Angeles, Calif. Apparatus for system of visual signal communication. 2,519,993. Aug. 22.
Allen, Olin E., Turpin, Okla. Swivel caster bearing for the rear wheel of a disk plow. 2,518,972, Aug. 15.
Allen, Olin E. and K. E., Turpin, Okla. Worm gear plow lifting device. 2,526,186, Oct. 17.
Allen Organ Company, Inc., assignee: *See*—
Markowitz, Jerome.
Allen, Otis W., East Point, Ga., assignor to International Minerals & Chemical Corporation. Manufacture of gel compositions. 2,505,079, Apr. 25.
Allen, Otis W., assignor of one-half to D. K. Kelly, Greenwood, Miss. Collapsible jointed ladder and storage means therefor. 2,513,835, July 4.
Allen, Philip S., Long Beach, Calif. Camera shutter and film actuating mechanism. 2,534,214, Dec. 19.
Allen, R. C., Business Machines, Inc., assignee: *See*—
Koca, James F.
Allen, Raney R., Dayton, Ohio. Fishhook. 2,503,573, Apr. 11.
Allen, Raymond, assignee: *See*—
Kendall, Osmond, and Loach.
Allen, Raymond P., Jr., and W. H. Sohn, Baltimore, Md., assignors to Western Electric Company, Incorporated, New York, N. Y. Exhaust hood. 2,516,840, Aug. 1.

Allen, Raymond P., Jr., Essex, F. D. Johnston, Towson, and W. H. Sohn, Baltimore, Md., assignors to Western Electric Company, Incorporated, New York, N. Y. Exhaust hood. 2,516,839, Aug. 1.
Allen, Raymond W.: *See*—
Stevens, Horace D., and Allen.
Allen, Robert L., and C. L. Harbeck, assignors to Allen Industrial Products, Incorporated, Battle Creek, Mich. Material handling truck scoop with check and latch assembly. 2,508,482, May 23.
Allen, Roy E., Highland Park, Mich. Hinged telescope sight mount. 2,527,289, Oct. 24.
Allen, Rufus V., Chino, Calif. Hen's nest. 2,518,588, Aug. 15.
Allen, Russell C., Fort Atkinson, Wis. Cooking utensil cover. 2,511,682, June 13.
Allen-Sherman-Hoff Company, The, assignee: *See*—
Allen, Frank B.
Mylting, Lauritz E.
Allen, Sidney, assignor to Armstrong Siddeley Motors Limited, Coventry, England. Combustion chamber with fuel vaporizing pipes for internal-combustion turbine plants. 2,522,081, Sept. 12.
Allen, Sidney J., and J. G. N. Drewitt, London, England, assignors, by mesne assignments, to Celanese Corporation of America. Production of linear polyamides. 2,502,548, Apr. 4.
Allen, Sidney J., London, and J. G. N. Drewitt, Spondon, near Derby, England, assignors to Celanese Corporation of America. Production of nitrile condensation products from cyanobutadiene. 2,527,509, Oct. 31.
Allen, Sidney J., London, and J. G. N. Drewitt, Spondon, near Derby, England, assignors to Celanese Corporation of America. 1,4-addition products of butadiene nitrile and certain organic nitrogen compounds. 2,527,510, Oct. 31.
Allen, Stanley O., Brantford, Ontario, Canada, assignor to Robbins & Myers, Inc., Springfield, Ohio. Helical pump. 2,527,670, Oct. 31.
Allen, Stanley R.: *See*—
Swinehart, Richart W., and Allen.
Allen, Thomas B., Minneapolis, Minn. Receptacle holder. 2,509,284, May 30.
Allen, Vance L., Wichita Falls, Tex. Flashlight having multiple lamps for various illuminating effects. 2,520,023, Aug. 22.
Allen, Wallace T., Dearborn, assignor to Square D Company, Detroit, Mich. Circuit breaker. 2,508,591, May 23.
Allen, Wallace T., Dearborn, assignor to Square D Company, Detroit, Mich. Circuit breaker. 2,529,754, Nov. 14.
Allen, Walter S., Flushing, N. Y., assignor to Allied Chemical & Dye Corporation. Apparatus for the manufacture of sulfuric acid. 2,515,435, July 18.
Allen, William H., Teaneck, N. J., assignor to United Board & Carton Corporation, New York, N. Y. Cellular carton. 2,512,991, June 27.
Allen, William H., Teaneck, and M. G. Hall, Rutherford, assignors to Empire Box Corporation, Garfield, N. J. Egg carton. 2,533,340, Dec. 12.
Allen, William M., Glendale, and R. A. Anderson, assignors to Model Crafters Inc., Hamilton, Ohio. Device to facilitate the removal of ice trays. 2,512,759, June 27.
Allen, William T., Calvert City, Ky. Wheel adjusting and removing device. 2,497,148, Feb. 14.
Allenbach, Roy E., Pueblo, Colo. Music sheet turner. 2,493,610, Jan. 3.
Allenbaugh, George G., assignor to The Ohio Injector Company, Wadsworth, Ohio. Indicating device. 2,535,826, Dec. 26.
Allenby, Owen C. W., McMasterville, assignor to Canadian Industries Limited, Montreal, Quebec, Canada. Epoxyethylcyclohexane hydroxy ethers. 2,500,016, Mar. 7.
Allenby, William F., Stratford, assignor to Casco Products Corporation, Bridgeport, Conn. Armature. 2,505,026, Apr. 25.
Aller, T. Dwight: *See*—
Noll, Paul E., Crawford, Aller and Rethey.
Aller, Willis F., assignor to The Sheffield Corporation, Dayton, Ohio. Gauging device. 2,497,199, Feb. 14.
Allers, Earl V., Chicago, Ill. Curtain wall support for automobile seats and the like. 2,531,096, Nov. 21.
Alley, Thomas R., Houston, Tex. Well pump. 2,503,986, Apr. 11.
Allgeyer, Guy H., assignor to The Swartzbaugh Manufacturing Company, Toledo, Ohio. Switch. 2,503,862, Apr. 11.
Alliance Manufacturing Company, The, assignee: *See*—
Jordan, Richard H.
Schneider, Emmor V.
Allied Chemical & Dye Corporation, assignee: *See*—
Allen, Walter S.
Ashcraft, Jacob O.
Bailey, Maurice E., and Evans.
Calfee, John D., and Bratton.
Calfee, John D., and Florio.
Calfee, John D., and Miller.
Calfee, John D., and Smith.
Carter, Bernard M.
Conrad, Karl F.
Cosby, John N., and Erchak.
Crittenden, Eugene D.
De Benneville, Peter L., and Segool.
Allied Chemical & Dye Corporation, assignee: *See*—Con.
Engel, Karl H.
Erchak, Michael, Jr.
Feil, Delmar A.
Fessler, William A.
Flett, Lawrence H.
Flett, Lawrence H., and Seigle.
Gilbert, Everett E.
Gilbert, Everett E., and Levin.
Gilbert, Everett E., and Otto.
Gilbert, Everett E., and Segool.
Gilbert, Everett E., and Weinberger.
Gould, David F.
Greene, Richard B.
Hammaren, Berndt W., and Townend.
Houghton, Augustus S., and Lowdermilk.
Ingraham, Harold O. C.
Kay, Otto.
Kelly, Donald H., and Townend.
Kise, Mearl A.
Knapp, William A.
Larrison, Millard S.
Lodes, Frederick G.
Lopker, Edwin B., and Peirce.
Loss, Harold D.
Mantell, Russell M.
McCann, Harold G.
Miller, Stuart P.
Mueller, Max E.
Mueller, Max B., and Prill.
Park, Ralph S.
Peirce, John E.
Porter, Frank, and Cosby.
Porter, Frank, Bumpus, and Cosby.
Porter, Frank, Erchak, and Cosby.
Prill, Erhard J.
Rohner, Leonard V., and Wood.
Smith, Lee B., and Calfee.
Spillane, Leo J.
Struyk, Clifford, and Dollman.
Sundstrom, Carl, and Patterson.
Teeters, Wilber O.
Tiddy, William.
Tiddy, William, and Cooper.
Waller, Ernest F., Walker, and Adams.
Weber, Arthur E.
Wiley, Paul F., and Nesty.
Wilputte, Louis.
Witte, Michael, and Lind.
Allied Control Company, Inc., assignee: *See*—
De Tar, Donald R.
Kircher, August C.
Steinback, Herbert D.
Allied Electric Products, Inc., assignee: *See*—
Chirelstein, Nathan.
Weisberg, Sidney M.
Allied Laboratories, Inc., assignee: *See*—
Faith, Herman E.
Allied Mills, Inc., assignee: *See*—
Singer, Philip A., and Deobald.
Allied Process Corporation, assignee: *See*—
Tobler, Henry, Jr.
Winternitz, Paul F.
Allienne, Valére G. R., Rouen, France. Powder duster. 2,515,485, July 18.
Alliger, Glen, assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Preparation of sulfenamides. 2,495,085, Jan. 17.
Allimann, Georges, Mulhouse, France. Socket for pit props. 2,498,060, Feb. 21.
Allin, George S., assignor to Isaacson Iron Works, Seattle, Wash. Logging arch. 2,504,954, Apr. 25.
Allin, George S., assignor to Isaacson Iron Works Inc., Seattle, Wash. Pipe coupling. 2,516,743, July 25.
Allington, George H., and J. M. Grzelak, assignors of forty per cent to G. H. Allington, thirty per cent to J. M. Grzelak, and thirty per cent to W. Bechovich, Rockford, Ill. Bottle carrier. 2,514,358, July 11.
Allis-Chalmers Manufacturing Company, assignee: *See*—
Aicher, Louis C.
Ainsworth, Chester D., and Jansson.
Becker, George D.
Bond, Fred C.
Boock, Alfred C., and Erskine.
Brainard, Frank K., and Ringland.
Cage, John M.
Charley, Walter G.
Chipman, John F.
Erskine, Douglas W.
Favor, Raymond B.
Fergason, Rector C.
George, Edgar C.
Gruner, Frederick R.
Halter, Allan C.
Hartwig, Walter J.
Hauk, Joseph.
Herr, Charles H., Jr.
Jacobi, Louis.
Jansson, Gustav E.
Johnson, Lauren L.
Journeaux, Didier.
Kamlukin, Igor A.
Kelle, Arthur C.

Allis-Chalmers Manufacturing Company, assignee: *See*— Continued.
Kidd, Roy F.
Landt, Newton A.
Martin, Charles R.
Meyer, George E., and Honsinger.
Montgomery, Terryl B.
Norelius, Emil F.
Peter, Charles R.
Punsky, Donald L.
Ray, James L.
Richter, Walther.
Ringland, George L.
Roubal, Alexander J.
Scranton, Charles J.
Serota, Rudolph M.
Sillers, Thomas G. A.
Strauss, Orville L., and Wegner.
Tank, Willard H.
Volgovskoy, Boris.
Wilson, William F.

Allis, Louis, Company, The, assignee: *See*— Wieseman, Theodore R., Robinson, and Rathbun.

Allison, Adrian G., Lake Worth, Fla., and C. R. Austin, Columbus, assignors, by mesne assignments, to The Ferro Engineering Company, Cleveland, Ohio. Making composite refractory. 2,534,652, Dec. 19.

Allison, Alfred W., V. I., and J. J., Chandler, Ariz. Land leveling drag. 2,513,129, June 27.

Allison, Jim E., Elmhurst, assignor to The Quaker Oats Company, Chicago, Ill. Core materials. 2,507,082, May 9.

Allison, John J.: *See*— Allison, Alfred W., V. I., and J. J. Lewis, John H., and Allison.

Allison, Malcolm G., New York, N. Y. Proximity fuse. 2,514,359, July 11.

Allison, Robert C., assignor to Alexander Smith & Sons Carpet Company, Yonkers, N. Y. Making pile yarns. 2,499,444, Mar. 7.

Allison, Vernon I.: *See*— Allison, Alfred W., V. I., and J. J.

Allison, Walter D., Montrose, Colo. Saddle rig plate. 2,525,849, Oct. 17.

Allison, William M.: *See*— Robinson, Preston, Allison, and Beverly.

Allison, Wilson M., Weenen, Natal, Union of South Africa. Animal trap. 2,525,010, Oct. 10.

Allman, Ernest J., Chichester, England. Wheel for agricultural machines. 2,495,952, Jan. 31.

Allmana Svenska Elektriska Aktiebolaget, assignee: *See*— Arvidsson, Algot.
Dreyfus, Ludwig.
Dreyfus, Ludwig A.
Elmlund, Hugo, and Lamm.
Forssell, Harry.
Forwald, Haakon.
Garde, Aage.
Genlott, Sven O.
Granå, Ernest W.
Hedström, Sven E.
Hedström, Sven E., and Svensson.
Lamm, Uno.
Lamm, Uno, Forssell, and Hansen.
Landau, Frans.
Lindahl, Gunnar.
Lundahl, Sven, and Carl.
Olsson, Gustav U.
Petersen, Wilhelm H.
Sörensen, Harald M., and Stephensen.
Uhlmann, Erich.

All Metal Products Company, assignee: *See*— Fleishman, Myron.

All-Over Manufacturing Co., assignee: *See*— Meltzer, Henry E.

Alloway, Vivian P., Craigmont, Idaho. Wheel attachment for plows. 2,493,649, Jan. 3.

All-Steel-Equip Company, assignee: *See*— Rudolph, Nathan H.
Saaf, Fritz A.

All-Steel Equipment Inc., assignee: *See*— Abrahamson, Charles M.
Saaf, Fritz A., and Abrahamson.

Allsup, John R., Sr., Port Orchard, Wash. Motor. 2,508,356, May 23.

Alluvial Mining Equipment Limited, assignee: *See*— Knobel, Max.

Allwein, Aloysius F., Philadelphia, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Pressure gauge. 2,527,171, Oct. 24

Alma, Gerrit H. P., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Resilient support and centering arrangement for the electrodes of electric discharge tubes. 2,494,853, Jan. 17.

Alma, Gerrit H. P., K. S. Knol, P. N. Kuiper, F. Prakke, M. J. O. Strutt, and A. van der Ziel, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electric discharge tube with internal condenser construction. 2,515,920, July 18.

Alma, Gerrit H. P., and P. F. van Eldik, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Amplifying system provided with parallel electron discharge paths having different mutual conductances. 2,530,591, Nov. 21.

Almand, Joseph M.: *See*— Holroyd, George C., and Almand.

Almond, John R., Cleveland, and W. C. Bosworth, Lakewood, assignors to The Midland Steel Products Company, Cleveland, Ohio. Valve. 2,515,029, July 11.

Almond, John R., Cleveland, and W. C. Bosworth, Lakewood, assignors to The Midland Steel Products Company, Cleveland, Ohio. Solenoid plunger mechanism. 2,529,533, Nov. 14.

Almond, Lathan C., Sr., Tucson, Ariz. Automatic repeating animal trap. 2,534,750, Dec. 19.

Almquist, Herman J., Modesto, Calif. Removing the dark color from walnut meats. 2,515,625, July 18.

Almquist, Milton L., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Power line carrier telephone system. 2,510,271, June 6.

Almquist, Monroe D., Monmouth, Ill. Matrix guide. 2,535,663, Dec. 26.

Almy, Emory F.: *See*— Chrysler, Lewis H., and Almy.

Almy, Eugene E., Sherman Oaks, Calif. Safety belt. 2,514,984, July 11.

Aloe, A. S., Company, assignee: *See*— Weichselbaum, Theodore E.

Alois, Sunday, Detroit, Mich. Animal trap. 2,527,511, Oct. 31.

Alpak, assignee: *See*— Crane, Walton B.

Alper, Samuel, Lynn, Mass. Method of and apparatus for applying ornamental piping. 2,504,614, Apr. 18.

Alpern, Dwight K., New York, and H. H. Freydberg, Scarsdale, N. Y., and W. H. Hawkins, Stamford, Conn., assignors to Freydberg Bros.-Strauss, Inc., New York, N. Y. Thread coating apparatus. 2,509,407, May 30.

Alpert, Daniel, Pittsburgh, assignor to Westinghouse Electric Corporation. Ultra high frequency tube. 2,525,468, Oct. 10.

Alpert, Sidney, and G. J. Martin, Philadelphia County, assignors to The National Drug Company, Philadelphia, Pa. Aqueous amino acid solutions. 2,531,097, Nov. 21.

Alphin, Joseph H., Jr., Wendell, N. C. Disk harrow mover. 2,517,160, Aug. 1.

Alrose Chemical Company, assignee: *See*— Beer, Leo.
Stevenson, Archibald S., and Beer.

Alschuler, Richard H., and N. Reinhardtsen, assignors to J. B. Simpson, Inc., Chicago, Ill. Garment waistband. 2,500,651, Mar. 14.

Alsdorf, James W., Wilmette, assignor to Cory Corporation, Chicago, Ill. Electric stove. 2,496,654, Feb. 7.

Alsing, Carl F., Wilbraham, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Temperature control device. 2,527,386, Oct. 24.

Alsop, William G.: *See*— Bell, Adam C., and Alsop.

Alspaugh, Samuel W., and H. E. Nickel, assignors to General Motors Corporation, Dayton, Ohio. Tube bending apparatus. 2,507,748, May 16.

Alspaugh, Waveland D., Warsaw, Ind. Attendant's stool. 2,521,031, Sept. 5.

Alston, Paul W., Berkeley, C. J. Moroney, San Mateo, and W. K. Gray, assignors to Spreckels Sugar Company, San Francisco, Calif. Processing diffusion juice. 2,509,408, May 30.

Altamura, Mario S., Brooklyn, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated. Lubricant. 2,493,213, Jan. 3.

Alten, Lillian: *See*— Holtzman, Maiteh M., and Alten.

Altenburg, William M., assignor to GI's Incorporated of Portland, Maine, Portland, Maine. Frozen lobster method. 2,501,655, Mar. 28.

Alter, Albert R., assignor to Philco Corporation, Philadelphia, Pa. Frequency detector and frequency control circuits. 2,497,571, Feb. 14.

Alter, Harry, Company, The, assignee: *See*— Cahenzli, Martin T., Jr.
Cahenzli, Martin T., Jr., and Muffly.

Alter, Julian F., Greeneville, Tenn. Toy motor vehicle simulated steering wheel. 2,529,755, Nov. 14.

Altgelt, Herman E., South Bend, Ind., assignor to The Oliver Corporation. Side-delivery rake. 2,511,894, June 20.

Alther, Joseph G.: *See*— Unschuld, Henry M., and Alther.

Althoff, Raymond, assignor to Bagomatic, Incorporated, Brooklyn, N. Y. Bag feed mechanism. 2,512,048, June 20.

Althouse, William S., Jr.: *See*— Baker, Reuben C., and Althouse, Jr.

Altiery, August, assignee: *See*— Johnson, Roy G.

Altman, Bernard, assignee: *See*— Machleder, Irving.

Altman, Bernard, Larchmont, and P. Stiller, Mount Vernon, assignors to Manrein Corp., New York, N. Y. Thermostatic electrical switch. 2,516,501, July 25.

Altman, Bernard, Larchmont, and P. Stiller, Mount Vernon, assignors to Manrein Corp., New York, N. Y. Thermostatic electrical switch. 2,516,502, July 25.

Altman, Fred E.: *See*—
Litten, Walter, Aklin, and Altman.

Altman, Fred E., assignor to Eastman Kodak Company, Rochester, N. Y. Optical objectives with two-part negative component having variable central air space of zero power. 2,494,025, Jan. 10.

Altman, Fred E., assignor to Eastman Kodak Company, Rochester, N. Y. Apochromatic telescope objectives and systems including same. 2,500,017, Mar. 7.

Altman, Fred E., and J. A. Blash, assignors to Eastman Kodak Company, Rochester, N. Y. Objective mount. 2,529,894, Nov. 14.

Altman, Peter, Detroit, and M. S. Baker, Muskegon, assignors to Continental Motors Corporation, Detroit, Mich. Transmission. 2,525,575, Oct. 10.

Altmann, George O.: *See*—
Beller, Hans, and Altman.

Altmayer, John, Cleveland, Ohio. Arbor. 2,507,686, May 16.

Alton, Alvin J.: *See*—
North, Gerald C., Alton, and Brown.

Alton Box Board Company, assignee: *See*—
Belanger, Albert P. D.
Wilson, Norval F.

Alton, Howard W., Mount Prospect, Ill. Tumble display device. 2,502,693, Apr. 4.

Altorfer Bros. Company, assignee: *See*—
Castricone, John A.

Altschuler, Herman: *See*—
Altschuler, Robert L. and H.

Altschuler, Robert L. and H., Bronx, N. Y. Photographic film developing tank. 2,507,238, May 9.

Alty, Harold J.: *See*—
Partridge, William A., and Alty.

Alumalux Company, assignee: *See*—
Sperry, Charles F.

Alumiline Corporation, The, assignee: *See*—
Grunwald, Edwin J.

Aluminex Incorporated, assignee: *See*—
Estey, James R.

Aluminum Air Seal Manufacturing Company, assignee: *See*—
Webster, Clifford L.

Aluminum Company of America, assignee: *See*—
Appleby, Philip P.
Bohn, Donald I.
Chew, Frank D.
Daves, Howard W.
Davis, James H.
Dix, Edgar H., Jr.
Hobbs, Marmaduke A.
Hughes, Guy N.
Jancura, Charles G.
Lyle, Edward L.
Mason, Ralph B.
Miller, Mike A.
Moore, George L.
Moore, George L., Sicha, and Wrege.
Thornton, Kirby F., and Schumm.
Underwood, James E.
Wicks, Lewis E.
Zelley, Walter G.

Aluminum Laboratories Limited, assignee: *See*—
Melsted, Valdemar J.

Aluminum Plant & Vessel Company, Limited, The, assignee: *See*—
Seligman, Richard, and Goodman.

Alvare, Nemesio F., Overbrook, Pa. Self-loading and unloading truck. 2,508,740, May 23.

Alvarez, Alfonso, Jr., Upper Montclair, N. J. Metal shingle and strip. 2,535,620, Dec. 26.

Alvarez, Luis W., Belmont, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Radio beacon and discriminating circuit therefor. 2,527,474, Oct. 24.

Alvarez, Luis W., Berkeley, Calif. Airway monitoring and control system. 2,514,436, July 11.

Alvarez, Luis W., Chicago, Ill., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Radio-echo detection and location apparatus for approaching hostile craft. 2,530,418, Nov. 21.

Alvarez, Octavio J.: *See*—
Fulton, Robert E., Jr., and Alvarez.

Alvarez, Octavio J., assignor to Alvarez Patent Corporation, New York, N. Y. Combined electrical refrigerator and air-cooling unit. 2,493,378, Jan. 3.

Alvarez, Octavio J., assignor to Alvarez Patent Corporation, New York, N. Y. Collapsible swimming or bathing pool. 2,505,845, May 2.

Alvarez, Octavio J., assignor to Alvarez Patent Corporation, New York, N. Y. Conveyer system. 2,508,086, May 16.

Alvarez, Octavio J., assignor, by mesne assignments, of three-fourths to O. J. Alvarez and one-fourth to M. De Reitzes-Marienwert, New York, N. Y. Fluid heating device. 2,514,360, July 11.

Alvarez, Octavio J., assignor, by mesne assignments, of one-fourth to M. De Reitzes-Marienwert, and three-fourths to O. J. Alvarez, New York, N. Y. Rotating coffee-making apparatus. 2,517,073, Aug. 1.

Alvarez, Octavio J., assignor to Alvarez Patent Corporation, New York, N. Y. Magnifying picture viewing device. 2,521,558, Sept. 5.

Alvarez, Octavio J., assignor, by mesne assignments, of one-fourth to M. de Reitzes-Marienwert, and three-fourths to O. J. Alvarez, New York, N. Y. Cooking utensil. 2,522,558, Sept. 19.

Alvarez, Octavio J., assignor to Alvarez Patent Corporation, New York, N. Y. Cooking device. 2,523,641, Sept. 26.

Alvarez, Octavio J., assignor to Alvarez Patent Corporation, New York, N. Y. Massaging device. 2,526,190, Oct. 17.

Alvarez, Octavio J., assignor to Alvarez Patent Corporation, New York, N. Y. Timing switch. 2,531,491, Nov. 28.

Alvarez, Octavio J., New York, N. Y., and R. E. Fulton, Jr., Danbury, Conn., assignors, by mesne assignments, of one-fourth to M. de Reitzes-Marienwert, and three-fourths to O. J. Alvarez, New York, N. Y. Closure arrangement for fluid heating devices. 2,523,261, Sept. 26.

Alvarez Patent Corporation, assignee: *See*—
Alvarez, Octavio J.

Alvarez Vazquez, Amable, Buenos Aires, Argentina. Nail extractor. 2,532,474, Dec. 5.

Alvear, Victor, Clifton, N. J. Closure for bungholes. 2,514,827, July 11.

Alverstone Products Limited, assignee: *See*—
Ainley, Ellis.

Alvino, Alphonse V., Newark, assignor to Bendix Aviation Corporation, Teterboro, N. J. Direction determining and reverse operating means. 2,531,719, Nov. 28.

Alviset, Gustave A., Houston, Tex. Oil well shock absorber. 2,506,188, May 2.

Alvistur, Oscar, San Francisco, Calif. Vehicle wheel. 2,505,821, May 2.

Alvord, Charles C.: *See*—
Flygare, Carl G., Alvord, and Drown.

Alvord, Grove D., Indiana, assignor to Syntron Company, Homer City, Pa. Weight checking sampler. 2,523,179, Sept. 19.

Alwac Company, Inc., assignee: *See*—
Fink, Colin G.

Alward, Leroy D., Albany, assignor to The Pelton Water Wheel Company, San Francisco, Calif. Shaft seal. 2,501,984, Mar. 28.

Amador, Francisco T., Santurce, P. R. Multiple unit cooling, agitating, and dispensing apparatus for beverages. 2,492,950, Jan. 3.

Amalgamated Wireless (Australasia) Limited, assignee: *See*—
Allen, John F.
Benson, John E.

Amana Society, assignee: *See*—
Foerstner, George C.

Amato, Peter, Brooklyn, N. Y. Gyro toy. 2,508,880, May 23.

Ambarcumian, Michael, Los Angeles, Calif. Mechanism for transferring a body from a trailer chassis to a truck chassis, and vice versa. 2,494,735, Jan. 17.

Ambelang, Joseph C.: *See*—
Smith, George E. P., Jr., and Ambelang.

Ambelang, Joseph C., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Vulcanized rubber resistant to flex cracking and producing same. 2,514,209, July 4.

Ambelang, Joseph C., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Rubber compositions and producing same. 2,514,217, July 4.

Amber, Yervant, Los Angeles, Calif. Garment anchoring device for ironing boards or the like. 2,507,584, May 16.

Ambler, Robert R., Akron, and R. D. Weston, Cuyahoga Falls, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Machine for applying covering material to endless belts. 2,529,859, Nov. 14.

Ambory Electric & Manufacturing Company, assignee: *See*—
Donnelly, Thomas S.

Ambrette, Conrad, Brooklyn, N. Y. Continuous drier for long alimentary paste products. 2,515,684, July 18.

Ambrose, C. M., Co., Inc., assignee: *See*—
Lamb, Harry.

Ambrose, Cornell J., Wyandotte, Mich. Electric switch mechanism. 2,526,107, Oct. 17.

Ambrose, Dermot M.: *See*—
Houghton, Leslie W., and Ambrose.

Ambrose, Edmund J., Maidenhead, D. J. Pacey, Purley, and J. G. Salmon, Heston, assignors to Electric & Musical Industries Limited, Hayes, Middlesex, England. Color filter. 2,534,846, Dec. 19.

Ambrose, Eugene R.: *See*—
Sporn, Philip, and Ambrose.

Ambrose, Felix R., West Englewood, assignor to Air Associates, Incorporated, Teterboro, N. J. Filler cap for fuel tanks and the like. 2,517,372, Aug. 1.

Ambrose, Felix R., West Englewood, assignor to Air Associates, Incorporated, Teterboro, N. J. Load limiting drive mechanism. 2,517,373, Aug. 1.

Ambrose, Paul, Bridgeport, Conn. Umbilical hernia pad. 2,496,081, Jan. 31.
Ambrosio, Biagio F. : *See*—
Dickinson, Arthur H., and Ambrosio.
Ambrosius, Gustav F., Bloomfield, N. J. Adjustable clothesline support. 2,501,752, Mar. 28.
Ambye, Anthon L. R., Andover, assignor to L. O. Nichols, Newton, Mass. Looper for lock-stitch sewing machines. 2,516,665, July 25.
Amdursky, Mark E., New York, assignor to Philips Laboratories, Inc., Irvington on Hudson, N. Y. Cathode-ray tube. 2,520,190, Aug. 29.
Amelunxen, Johan F., New Castle, assignor to F. F. Slocomb Corporation, Wilmington, Del. Staking machine. 2,504,917, Apr. 18.
Amend, Walter A., Sr., assignee : *See*—
Millais, Warren.
Amendola, James V., Kenosha, Wis. Scissors grinder. 2,518,111, Aug. 8.
Amendolara, Vito : *See*—
Conway, Edward S., and Amendolara.
Amer, Donald F., Newcastle-on-Tyne, assignor to A. Reyrolle & Company Limited, Hebburn-on-Tyne, England. Fluid-blast electric circuit breaker. 2,532,529, Dec. 5.
Amer, Myrtle A., North Hollywood, Calif. Device for applying massage. 2,513,772, July 4.
Amercoat Corporation, assignee : *See*—
Munger, Charles G.
American Aggregate Company, assignee : *See*—
Ryner, Arthur.
American Air Filter Company, Inc., assignee : *See*—
Dahlman, Verner.
American Arch Company, Inc., assignee : *See*—
Antill, Philip W.
American Asbestos Industries, Inc., assignee : *See*—
Bernard, William and J.
American Bantam Car Company, assignee : *See*—
Aspin, Arthur W.
American Blower Corporation, assignee : *See*—
Griffen, Ralph.
Koch, John B.
Polk, Gilbert C.
American Bosch Corporation, assignee : *See*—
Berlyn, Martin J., and Broderick.
Berlyn, Martin J., and Stansfield.
Crocker, William D.
Hogeman, Hans.
Hogeman, Hans, and Coe.
Lang, Gregor L.
Macdonald, Rowland.
Osterman, Joseph T.
Wagner, Albert F.
Wood, George B., Jr.
American Box Board Company, assignee : *See*—
Anderson, Wilbur G., Jr.
American Brake Company, The, assignee : *See*—
Crossman, Theodore C., and Mueller.
American Brake Shoe Company, assignee : *See*—
Browne, Lindsay H.
Cook, John L.
Cox, Isaac E.
Dalrymple, William P.
Duffy, Joseph S.
Fraser, Thomas C.
Huber, Albert F.
Huber, Albert F., and Godfrey.
Mantle, Burr W.
Mueller, Emil G.
Pogue, Robert.
Wilson, Rosser L.
American Brass Company, The, assignee : *See*—
Bronson, George E.
American Cabinet Hardware Corporation, Rockford, Illinois, assignee : *See*—
Aldeen, Gedor W.
American Can Company, assignee : *See*—
Bach, Neils P.
Barger, George K.
Birkland, Stellan.
Borkmann, Frank F.
Carroll, Joseph P.
Cassady, Emil V.
Cox, Herbert F., Jr.
Eckman, George E.
Erb, George C.
Felber, John.
Geertsen, Nelson.
Huntar, Felix.
Jacobs, Samuel S.
Jones, Lyman L., and Barger.
Liebmann, Hugo.
Maher, William W.
Nordquist, Ronald E. J.
Pechy, William.
Peterson, Howard B.
Peterson, Howard B., and Renard.
Pottle, Ralph K.
Preis, Carl G.
Reid, George C., and Jacobs.
Roberts, Howell L., and Sognefest.
Schmidt, Hans.
Socke, John E.
American Can Company, assignee : *See*—Continued.
Socke, John E., and Weber.
Wallace, Sidney J.
Weygant, Robert M., and Massey.
Winters, William P.
Woolford, Custis S.
American Car and Foundry Company, assignee : *See*—
Berg, Joseph, and King.
Bogard, Fred J.
Burnett, William E.
Carlin, Frank J., Jr.
Champaygne, Edmund F.
Denton, John J., and Stewart.
Dudley, James R.
Evans, Morris S., and Kleckner, and Watson.
Holm-Hansen, Dagfrid.
Hultquist, Martin E., and Northey.
Hultquist, Martin E., and Paterson.
Kaiser, Donald W., and Redmon.
Kleene, Richard D.
Kropa, Edward L.
Kropa, Edward L., and Roemer.
Kuhler, Otto.
Paden, Joseph H., and MacLean.
Patton, John W.
Reedy, Charles E.
Schroeder, Ernest R., and Willoughby.
Smith, James M., Jr.
Smith, James M., Jr., and Cosulich.
Swain, Robert C., and Paden.
Waletzky, Emanuel.
Yen, Ernest C., and Stirn.
American Chain & Cable Company, Inc., assignee : *See*—
Beard, Howard J.
Berchtold, Wallace W.
Dougherty, Harry F.
Gilmore, William J.
American Character Doll Co., assignee : *See*—
Palmer, Harry B.
American Character Doll Company, assignee : *See*—
Beebe, Herbert R.
American Chemical Paint Company, assignee : *See*—
Douty, Alfred, and Snyder.
Leaper, Joseph M. F.
Mazia, Joseph.
Spruance, Frank P., Jr.
Spruance, Frank P., Jr., and Thirsk.
American Chicle Company, assignee : *See*—
Lougovoy, Boris N.
American Coach & Body Co., The, assignee : *See*—
Humpal, Eugene G., and Balogh.
American Condenser Co., assignee : *See*—
Menschik, Irving J., and Kreinick.
American Crop-Drying Equipment Company, assignee : *See*—
Andersen, Arthur A., and Mathews.
American Cutter & Engineering Corporation, assignee : *See*—
Boyle, Calvert.
American Cyanamid Company, assignee : *See*—
Aagaard, Fridtjof.
Abramovitch, Benjamin.
Adams, Pierrepont.
Amick, Chester A.
Amick, Chester A., and Royer.
Amick, Chester A., Watkins, and Millson.
Angus, Everett N., Creely, and Fischer.
Appelquest, Andren J.
Baker, Bernard R.
Banks, Reginald M., and Barnes.
Bell, Paul H.
Bernstein, Seymour, and Sax.
Blann, William A.
Boothe, James H., and Angier.
Boothe, James H., and Waller.
Burnell, Maurice R., and van Loo, Jr.
Carnes, Joseph J.
Carpenter, Erwin L.
Caspé, Joseph.
Cassaday, Jack T., Hoegberg, and Gleissner.
Cauwenberg, Winfred J., and Tanner, Jr.
Clark, Joe H.
Cook, Elmer W., and Kushner.
Cox, Herald R., and Aiston.
Cox, Herald R., and Koprowski.
Cresswell, Arthur.
Crossley, Moses L., Dreisbach, Turner, and Hofmann.
Crossley, Moses L., Turner, and Dreisbach.
Davis, Harold S., and Carpenter.
Dawson, William O.
Day, Harold M.
Day, Harold M., and De Hoff.
Dean, Russell T.
Denton, John J., and Lawson.
Dessert, Alice M.
Dixon, James K., Miller, and Bruesch.
Dixon, James K., and Morgan.
Dolt, Maurice L., and Sayre.
Drechsel, Erhart K., and Thomas.
Dudley, James R.
Dudley, James R., and Anthes.
Durant, Walter W., and Blann.
English, Jackson P., and Clark.
Erickson, John G.

American Cyanamid Company, assignee: *See*—Continued.
Fletcher, John H.
Funk, Charles E., Jr.
Gayle, Fred L.
Geraci, John.
Germann, Richard P.
Giesecke, Paul, and Colthup.
Halverstadt, Isaac F.
Ham, Garnet P., and Barnes.
Hardy, William B.
Harris, Raymond R.
Herkenhoff, Earl C.
Hoegberg, Erick I.
Hood, Robert L.
Hook, Edwin O.
Hook, Edwin O., and Moss.
Houpt, Alfred G., and Smith.
Howard, Kenneth L.
Hull, Washington.
Hultquist, Martin E., and Germann.
Hultquist, Martin E., and Subbarow.
Hultquist, Martin E., and Webb.
Hutchings, Brian L.
Jayne, David W., Day, and Gieseke.
Jayne, David W., Jr., and Day.
Jefts, Albert W.
Kienle, Roy H., and Amick.
Kropa, Edward L.
Kropa, Edward L., and Barlow.
Kropa, Edward L., Craig, and Nyquist.
Kropa, Edward L., and Nyquist.
Kropa, Edward L., and Padbury.
Kropa, Edward L., and Thomas.
Kuh, Erwin.
Kushner, Samuel, and Smith.
Lahey, Richard W.
Laube, Charles G.
Lecher, Hans Z., Brouillard, and Giambalvo.
Lecher, Hans Z., and Watson.
Lichtenwalter, Myrl, and Wiedeman.
Lindenfelser, Richard, and Grabowski.
Long, Robert S.
Loukomsky, Anne M., Kienle, and Cooke.
Lynch, Kathryn L.
Mackay, Johnstone S.
Mackay, Johnstone S., and Lawler.
Marcot, Guy C.
Marsh, Corbin.
Martino, Joseph F.
McMurray, Lynn L., and Moyer.
Migrdichian, Vartkes.
Millson, Henry E., Amick, and Watkins.
Monfried, Leon.
Morfit, Edwin F.
Moss, Philip H.
Moyer, Samuel P.
Murray, John A.
Nagy, Daniel E.
Nagy, Daniel E., and Kaiser.
Nyquist, Arthur S., and Kropa.
Padbury, John J., and Kropa.
Parker, Charles H., Jr.
Parker, Robert P., and Seruto.
Petty, Milton A.
Phillips, Dorothea S.
Poor, Edward N., and Landes.
Powell, Maurice G.
Rosenbloom, William J.
Ross, Lawrence E., and Tanner.
Roth, Barbara.
Royer, George L., and Amick.
Scalera, Mario.
Scalera, Mario, and Brouillard.
Schroy, Paul C., and Grabowski.
Schroy, Paul C., Grabowski, and Scott.
Scrutchfield, Paul H.
Shepherd, Robert G.
Sickels, Jackson P., and Scholz.
Simons, William G.
Smerechniak, Jerry J., and Barlow.
Smith, James M., Jr.
Smyth, Glen M., and Moran.
Stamm, Robert F.
Stewart, Hugh W.
Stewart, Hugh W., and Lee.
Stirn, Frank E.
Stroh, Grace R.
Studeny, John.
Subbarow, Yellapragada, and Hultquist.
Sutherland, Leslie H., Jr.
Tanner, Charles A., Jr.
Thurston, Jack T.
Thurston, Jack T., and Kaiser.
Todd, Seldon P., Myers, and Cauwenberg.
Turner, Richard J., and Stewart.
Vitalis, Emil A.
Waletzky, Emanuel.
Waletzky, Emanuel, and Marson.
Walker, Ruth A., and Sickels.
Waller, Coy W.
Waller, Coy W., and Mowat.
Watkins, Willard H., Millson, and Amick.
Weldon, Harry A.
West, Herbert J.

American Cyanamid Company, assignee: *See*—Continued.
West, Herbert J., and Watt.
Wystrach, Vernon P., and Kaiser.
American Cystoscope Makers, Inc., assignee: *See*—
Held, Joseph E.
Hett, John H.
Wallace, Frederick J.
American Decalcomania Company, Inc., assignee: *See*—
Matter, Albert J.
American Display Company, The, assignee: *See*—
Dunkelberger, Milton S.
American Duplex Company, assignee: *See*—
Schuhmann, Richard L., and Rudolph.
American Dyewood Company, assignee: *See*—
Pieper, Oliver T.
American Engineering Company, assignee: *See*—
Midgette, Ernst L., and Beck.
Midgette, Ernst L., and Reid.
American Engineering Corporation, assignee: *See*—
Hollingsworth, Robert Q.
American Enka Corporation, assignee: *See*—
Bakker, Willem.
Dijksman, Albert J., Nijkamp, and Waters.
Heim, Gustav A. M.
Henry, William V.
Jansen, Cornelius G., Nijkamp, and Waters.
Maaskant, Leendert.
Schrenk, Hans A.
Tammen, Philip T.
Weeldenburg, Johannes G.
American Fastener Company, The, assignee: *See*—
Kiessling, Max.
American Felt Company, assignee: *See*—
Lang, Philip H.
Lang, Philip H., Lehmberg, and Foggett.
American Fire Prevention Bureau, Inc., assignee: *See*—
Derby, John H., and Collings.
American Flange & Manufacturing Co., Inc., assignee: *See*—
Roberts, Seward M.
American Flexible Coupling Company, assignee: *See*—
Shenk, Robert H.
American Folding Umbrella Company, assignee: *See*—
Okun, Edward.
American Fork and Hoe Company, The, assignee: *See*—
Fifield, Albert F.
American Gas and Electric Company, assignee: *See*—
Sporn, Philip, and Ambrose.
Stempel, Edward H., and Nelson.
American Hardware Corporation, The, assignee: *See*—
Bernhard, Benjamin S.
Holt, Charles O.
American Heat Reclaiming Corporation, assignee: *See*—
Lockman, Carl J.
American Home Foods, Inc., assignee: *See*—
Hinz, Henry C., Jr., Schermerhorn, and Dorn.
Ornfelt, John.
American Hospital Supply Corporation, assignee: *See*—
Johnson, Axel E. F.
American Instrument Corporation, assignee: *See*—
Blake, Marvin A.
American Lace Paper Company, assignee: *See*—
Kieckhefer, Robert J.
American-La France-Foamite Corporation, assignee: *See*—
Lindsay, Charles H.
Scholz, Edward R.
American Laundry Machinery Company, The, assignee: *See*—
Brenner, Robert W., and Petre.
Doran, Thomas J.
Gerlach, Frank A.
Howland, Frederick W.
Johnson, George W.
Knowlton, Charles O.
Malott, Clifton S., Jr.
Neckel, Edmund N.
Vetorino, Frank.
American Liquid Gas Corporation, assignee: *See*—
Smith, Harold W., and Luxon.
American Locker Company, Inc., assignee: *See*—
Davis, Elmer W.
American Locomotive Company, assignee: *See*—
Glover, Walter.
Michaels, Hunter.
Parry, Augustus F.
Sawyer, Robert T., and Fischer.
Villano, Albert J.
Weber, Theodore R.
American Machine & Foundry Company, assignee: *See*—
Arelt, Charles.
Broekhuysen, William C.
Frye, Sanders A.
Pedersen, Mathias.
Whitaker, Uneas A.
American Machine and Metals, Inc., assignee: *See*—
Buss, Benjamin A., and Miller.
Gaubatz, George G.
Huyser, Francis C.
Kagan, Benjamin S.
Le Van, Ambrose E.
Widigen, Albert F.

American Machinery Corporation, assignee: *See*—
Doolittle, James C.
Gericke, Carl E.
Leonard, David E.
American Magnesium Metals Corporation, assignee: *See*—
Carter, Austin G.
American Maize-Products Company, assignee: *See*—
Lloyd, Robert L.
Morgan, Willard L., and Faelten.
American-Marietta Company, assignee: *See*—
Keaton, Clark M.
American Marietta Co., assignee: *See*—
Coyne, Bernard B.
American Marsh Pumps, Inc., assignee: *See*—
Barton, Benjamin D.
American Measuring Instruments Corporation, assignee: *See*—
Reis, Alfred.
Stern, Nathan S.
American Metal Company, Limited, The, assignee, *See*—
Brytczuk, Walter L.
Garbo, Paul W.
Grausam, Harold W.
Hagmaier, Elmer W.
Heberlein, Max F. W.
Heberlein, Max F. W., and Bierly.
Heberlein, Max F. W., and Udin.
Tschappat, William F.
American Metal Products Company, assignee: *See*—
Matthaei, Frederick C., Jr.
Williams, Richard J., and Stine.
Williams, Richard J., Stine, and Matthaei, Jr.
American Monorail Company, The, assignee: *See*—
Miller, Carroll de V., and Becker.
Moore, Ralph T.
American Oak Leather Company, The, assignee: *See*—
Henning, Fred W.
Sims, Charles R.
American Optical Company, assignee: *See*—
Aitcheson, Thomas G.
Bernheim, Daniel P.
Brown, Morden G.
Cole, Henry B.
Conley, Thomas A.
Forshey, Elmore A., and Copeland.
Gradisar, Albin A.
Host, John J.
Lowber, David D., Gradisar, and Critoph.
Lowber, David D., and Kavanagh.
Lowber, David D., and Reardon.
Mahler, Joseph.
Moulton, Harold R.
Osterberg, Harold, and Bennett.
Reardon, Joseph D., and Peters.
Schauweker, George H.
Small, John H.
Splaine, Edward M.
Styll, Harry H.
Tillyer, Edgar D.
Tillyer, Edgar W.
American Ore Reclamation Company, assignee: *See*—
Urban, William J.
American Package Corporation, assignee: *See*—
Ramsey, Raymond G.
Ramsey, Raymond G., and Bailey.
American Pattern and Manufacturing Co., assignee: *See*—
Miller, Raymond J.
American Phenolic Corporation, assignee: *See*—
Goldsmith, Joseph.
Kearse, George P.
Raabe, Carl A.
American Photocopy Equipment Co., Not Inc.: *See*—
Eisner, Burton D.
American Pipe and Steel Corporation, assignee: *See*—
Kilham, Oliver W.
American Pulley Company, The, assignee: *See*—
Christian, Joseph D.
Williams, William A.
American Reenforced Paper Company, assignee: *See*—
Kilham, Peter.
American Safety Razor Corporation, assignee: *See*—
De Mesquita, Edwin B.
Henley, Charles F.
Landwehr, Richard F.
Nelson, Edgar A.
Tait, Wilfred E., and Stellpflug.
American Samec Corp, assignee: *See*—
Salas, Jose A.
American Saw Mill Machinery Company, assignee: *See*—
Neighbour, Wilbur S.
American Screw Company, assignee: *See*—
Tomalis, Joseph J.
American Seal-Kap Corporation of Delaware, assignee: *See*—
Vore, Herbert G.
American Seating Company, assignee: *See*—
Bareckl, Chester J.
Davis, Robert L.
Ford, Wayne W.
Hoven, Alfred C.
Hoven, Alfred C., and Lindberg.
Hoven, Alfred C., Nordmark, and Lindberg.
Morgan, Erving B., and Plachecki.
Nordmark, Walter E.
American Seating Company, assignee: *See*—Continued.
Oom, Benjamin J.
Prosser, Joseph G., and T. W.
Roman, John J.
American Steel Foundries, assignee: *See*—
Aurien, Ray G.
Bachman, Fred E.
Baselt, Walter H.
Baselt, Walter H., and Whitney.
Cademartori, Joseph A.
Cannon, Earl.
Cottrell, Robert B.
Flesch, John E., and Opsahl.
Flesch, Norman.
Gothberg, Lawrence.
Helsten, Wesley A.
Hess, Relza J.
Hess, Relza J., and Cizek.
Kayler, Frank H.
Kinne, Edmund P.
Kowalik, John J.
Lehrman, Leo A.
Leisk, Roland T.
Light, David M.
Mascaro, Frank D.
Moline, Carl R.
Oelkers, Alfred H.
Schlegel, Walter L., Jr.
Schlegel, Walter L., Jr., and Bachman.
Sedgwick, Robert K.
Simanek, Edward J.
Simanek, Edward J., and Flesch.
Tack, Carl E.
Tack, Carl E., and Bachman.
Tack, Carl E., and Helsten.
Walcher, Alfred.
Whitney, Loren L.
American Steel and Wire Company of New Jersey, The, assignee: *See*—
Anderson, Evald F.
Barnes, Frederick H.
Bliss, George L.
Brickman, Alan E.
Campbell, Charles H., Ferito, and Stoker.
Canney, Charles G.
Carhart, Richard L., and Schacha.
Chesney, Frank E.
Diaz, Floyd C.
Elder, Flint C.
Elder, Flint C., and Johns.
Fenton, George D.
Fessler, Carl H.
Fink, Frank A.
Gionet, Leo A.
Grunge, George A.
Harris, Arch W.
Harter, Noah S.
Hartman, Roland O., and Richards.
Ilacqua, Antonio F., and Smith.
Johnson, Harry O.
Kay, Charles M., and Witherspoon.
Kiefer, John M., Jr.
Kramer, John.
McNamee, Owen A.
Metzler, Claude L.
Proctor, Homer G.
Somerville, Thomas S.
American Stove Company, assignee: *See*—
Brodbeck, Almer H.
Moecker, Henry, Jr., Frick, Meacham, and White.
Morrill, Vaughan, Jr.
American Tag Company of New Jersey, assignee: *See*—
Swett, Arthur H., Jr., and Marshall.
American Telephone and Telegraph Company, assignee: *See*—
Avery, Robert C.
Carson, Arthur, and Cronk.
Du Bois, Daniel K.
Dunning, Sanford F.
Garson, Arthur, and Gassman.
Lamberty, Frederick R., and Nitterauer.
Shafer, William L.
Shepherd, Judson O'D.
Walker, Charles R.
Weaver, Charles E.
Weber, Edward H., Jr.
Wollensack, Clifford N.
American Teletimer Corp., assignee: *See*—
Ferrara, John B.
American Thermos Bottle Company, The, assignee: *See*—
Payson, Arthur H., and Darmstadt.
American Thermo-Tech Corporation, assignee: *See*—
Fodor, Antal.
American Tobacco Company, The, assignee: *See*—
Cunningham, James J., Larime, and Nevin.
Dalton, John T.
Wheeley, Rudy C.
American Tool & Machine Co., assignee: *See*—
Tholl, John E.
American Tool Works Company, The, assignee: *See*—
Hoelscher, William G.

American Type Founders, Inc., assignee: *See*—
Allen, Howard G., and Thomas.
Allen, Howard G., Thomas, and Miller.
American Type Founders, Incorporated, assignee: *See*—
Freer, William A.
Sussin, Victor.
Von Haase, Anthony V.
American Viscose Corporation, assignee: *See*—
Baker, Ralph B.
Bauer, Ernest K., and Forker.
Burke, James J.
Calhoun, John A.
Chaney, David W.
Chaya, John S., and Spann.
Collins, Benjamin W.
Cox, Charles W.
Crawley, William P.
Crewdson, Henry.
Cruz, Mamerto M., Jr.
Dalton, Masten R.
De Brabander, Camiel.
Dooley, William P.
Downing, George.
Drennen, John T.
Francis, Carleton S., Jr.
Freund, Elmer J.
Fry, Horace P., Jr.
Goodwin, Chester H.
Hendrixson, Charles E., Jr.
Holihan, John P., Jr., and Moss, Jr.
Johnson, George A.
Kellogg, William D., Eshleman, and Morris.
Kreamer, William H.
Kulp, Maurice P., Vandenburgh, and Chance.
McDermott, Henry J.
Merion, Howard D., and Sisson.
Miller, Hugh.
New, Harry E.
Pedlow, John W., Webb, and Roberts.
Phillips, John E., Jr.
Richter, George A., Jr.
Roberts, Ingham S.
Shearer, Howard E., and Martin.
Sisson, Wayne A.
Spalding, John E., and Spangler.
Stanley, Richard W.
Thompson, Donald C.
Thompson, Wirt L., Jr.
Truitt, Joseph A.
Wallach, Roger N., and Zender.
Webb, Wesley L., Randolph, and Taylor.
Wedler, Frederick C.
Woodruff, Jackson A.
Zender, Justin.
American Walnut Manufacturers Association, Inc., assignee: *See*—
Farber, Eduard.
American Welding & Manufacturing Company, The, assignee: *See*—
Gaver, Raymond H.
American Wheelabrator & Equip. Corp., assignee: *See*—
Barnes, Kenneth H.
American Wheelabrator & Equipment Corporation, assignee: *See*—
Dorfan, Morton I.
Hirsch, Charles.
Lehman, Edgar A.
Zahn, Otto E.

Ames, Butler, Boston, Mass. Heating unit for electrically energized cookers. 2,508,357, May 23.

Ames, James G., Aurora, Ill. Multistage incinerator for drying and burning wet refuse. 2,493,939, Jan. 10.

Ames, James G., Aurora, Ill. Incinerator with burner means, responsive to weight of rubbish to be burned. 2,517,074, Aug. 1.

Ames, Millard E., Jr., assignor to Philco Corporation, Philadelphia, Pa. Radio receiver aligning apparatus and method. 2,495,997, Jan. 31.

Ames, Millard E., Jr., Germantown, assignor to Philco Corporation, Philadelphia, Pa. Phase-shift network and oscillator. 2,506,329, May 2.

Ames, Raymond A.: *See*—
Winberg, Travis W., and Ames.

Ames, Robert G., assignor of one-half to G. Williams, and one-fourth to S. Ames, Burlingame, Calif. Combined tape and mastic applicator. 2,502,499, Apr. 4.

Ames, Robert G., assignor of one-half to G. W. Williams, and one-quarter to S. Ames, Burlingame, Calif. Finishing tool for corner tape. 2,533,209, Dec. 12.

Ames, Robert S., assignor to Goodyear Aircraft Corporation, Akron, Ohio. Apparatus for centrifugally forming canopies, or the like, of V-type cross sections. 2,510,304, June 6.

Ames Spot Welder Co., Inc., assignee: *See*—
Stoudt, Bernard.
Ames, Stanley, assignee: *See*—
Ames, Robert G.
Ames, W. R., Company, assignee: *See*—
Kinkead, Alan.

Amesbury, Robert R., Wellesley, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Turnable T-member type molding fastener. 2,531,348, Nov. 21.

Aml, Incorporated, assignee: *See*—
Vanderzee, Harry H.

Amick, Chester A.: *See*—
Kienle, Roy H., and Amick.
Millson, Henry E., Amick, and Watkins.
Royer, George L., and Amick.
Watkins, Willard H., Millson, and Amick.

Amick, Chester A., Bound Brook, N. J., assignor to American Cyanamid Company, New York, N. Y. Treating wool-containing textile materials. 2,515,107, July 11.

Amick, Chester A., Bound Brook, and G. L. Royer, North Plainfield, N. J., assignors to American Cyanamid Company, New York, N. Y. Metachrome dyeing procedure and products dyed therewith. 2,520,081, Aug. 22.

Amick, Chester A., and W. H. Watkins, Bound Brook, and H. E. Millson, Plainfield, N. J., assignors to American Cyanamid Company, New York, N. Y. Dyeing basic nitrogenous fibers by the metachrome process with chromable azo dyes having nitrogen free substituents ortho to the azo group. 2,520,080, Aug. 22.

Amidon, Roy C., assignor to Vanity Fair Mills, Inc., Reading, Pa. Knitting machine and method. 2,508,209, May 16.

Amidon, Roy C., assignor to Vanity Fair Mills, Inc., Reading, Pa. Knitting machine needle. 2,522,335, Sept. 12.

Amigo, Alfonso, London, England. Molding materials and producing same. 2,519,870, Aug. 22.

Amigone, Joseph N., Buffalo, N. Y. Gripper-type cork extractor. 2,495,308, Jan. 24.

Amino Acids, Inc., assignee: *See*—
Reyneirs, James A.
Amion, Inc., assignee: *See*—
Butterfield, George P.

Ammann, Alphons, Zurich, assignor to Kaspar Winkler & Co., Altstetten-Zurich, Switzerland. Hydraulic cement composition and making same. 2,499,445, Mar. 7.

Ammco Tools, Inc., assignee: *See*—
Billeter, Henry R.
Mitchell, Wallace F.

Ammells, John G., Haverhill, Mass. Junction box. 2,528,989, Nov. 7.

Ammons, Olly C., Pasadena, Calif. Hinged rod-joint locking device. 2,495,801, Jan. 31.

Amon, Fred H., Weston, and F. S. Thornhill, Hyde Park, assignors to Godfrey L. Cabot, Inc., Boston, Mass. Manufacture of synthetic rubber. 2,509,664, May 30.

Amon, William F., Jr.: *See*—
Blout, Elkan R., and Amon.

Amon, William F., Jr., Riegelsville, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. 1,2-dihydrobenzo-(f)-quinolin-3-ol, and its preparation. 2,495,048, Jan. 17.

Amon, William F., Jr., Boston, assignor to Polaroid Corporation, Cambridge, Mass. Light-polarizing sheet of molecularly oriented polyvinyl alcohol containing reaction product of ferric salt and a sulfide. 2,505,080, Apr. 25.

Amon, William F., Jr., Boston, assignor to Polaroid Corporation, Cambridge, Mass. Light-polarizing sheet of molecularly oriented polyvinyl alcohol containing reaction product of a sulfide and a salt of the group consisting of water soluble nickel salts and water soluble cobalt salts. 2,505,081, Apr. 25.

Amon, William F., Jr., Boston, assignor to Polaroid Corporation, Cambridge, Mass. Light-polarizing sheet of molecularly oriented polyvinyl alcohol containing reaction product of a molybdenum compound and a sulfide. 2,505,082, Apr. 25.

Amon, William F., Jr., Boston, assignor to Polaroid Corporation, Cambridge, Mass. Light-polarizing sheet of molecularly oriented polyvinyl alcohol containing reaction product of a selenide and a salt of the group consisting of water-soluble bismuth salts and water-soluble lead salts. 2,505,083, Apr. 25.

Amon, William F., Jr., Boston, assignor to Polaroid Corporation, Cambridge, Mass. Light-polarizing sheet of molecularly oriented polyvinyl alcohol containing reaction product of ferrous salt and a sulfide. 2,505,084, Apr. 25.

Amon, William F., Jr., Boston, and E. R. Blout, assignors to Polaroid Corporation, Cambridge, Mass. Light filter transmitting infrared radiation and opaque to visible light. 2,495,499, Jan. 24.

Amon, William F., Jr., Boston, and E. R. Blout, assignors to Polaroid Corporation, Cambridge, Mass. Light filter opaque to visible light and transmitting infrared radiation. 2,495,500, Jan. 24.

Amon, William F., Jr., Boston, and M. W. Kane, assignors to Polaroid Corporation, Cambridge, Mass. Light-polarizing, molecularly oriented, transparent, high polymeric plastic containing dichroic dithiooxamide stain. 2,505,085, Apr. 25.

Amon, William H., Detroit, Mich. Rotary end thrust cutter head for woodworking. 2,517,374, Aug. 1.

Amore, Bernard C., Cleveland, Ohio. Spray gun attachment. 2,511,684, June 13.

Amort, Louis W.: *See*—
Miller, Samuel L., and Amort.

Amos, James L.: *See*—
Stober, Kenneth E., and Amos.

Amos, James L., and K. E. Stober, assignors to The Dow Chemical Company, Midland, Mich. Polymerizing styrene in iron vessels. 2,494,924, Jan. 17.

Amos, Stephen E., Wilmington, Del., and D. C. Jeffrey, Jr., Richmond, Va., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Constant torque winding means for slitting machines. 2,533,307, Dec. 12.
Amos-Thompson Corporation, assignee: *See*—
Kazimier, Julian C.
Amp Corporation, assignee: *See*—
Thompson, Parke H.
Ampco Metal, Inc., assignee: *See*—
Mullen, Henry A.
Amprim, Lawrence F., Detroit, Mich. Mechanical and electrical thermostatic alarm actuator. 2,496,687, Feb. 7.
Ampro Corporation, assignee: *See*—
Cisski, Irving.
Dearborn, Arthur S.
Dunlavey, Robert J.
Morgan, Thomas J., and Hazzard.
Ams, Max, Machine Company, The, assignee: *See*—
Diezel, Willy H.
Amsden, Ralph D., Lynn, Mass., assignor to General Electric Company. Electroforming selenium rectifiers. 2,497,649, Feb. 14.
Amsler, Alfred J., & Co., assignee: *See*—
Russenberger, Max.
Amsler, Ernest G., Jr., Little Rock, Ark. Sport shirt. 2,506,850, May 9.
Amsler Morton Corporation, assignee: *See*—
Gass, Karl W.
Amsler, Rudolf, assignor to Schweizerische Industrie-Gesellschaft, Neuhausen am Rheinfall, Switzerland. Hydraulic pump assembly. 2,493,280, Jan. 3.
Amspaugh, Clarence A., Willoughby, Ohio. Fish lure. 2,517,458, Aug. 1.
Amstutz, Edward D., Bethlehem, Pa., assignor to The Wm. S. Merrell Company, Cincinnati, Ohio. 2,8-diaminodibenzothiophene dioxide and N,N′-derivatives. 2,529,860, Nov. 14.
Amstutz, James B.: *See*—
Scott, Andrew, and Amstutz.
Amstutz, Walter R., assignor to Butler Brothers, Chicago, Ill. Food grinder having a split casing. 2,495,309, Jan. 24.
Amstutz, Walter R., assignor to Butler Brothers, Chicago, Ill. Flashlight. 2,518,437, Aug. 15.
Amtmann, Hans H., Hamburg, Germany. Prone position aircraft control system. 2,521,680, Sept. 12.
Amtmann, Hans H., Hamburg, Germany. Three-dimensional aircraft control system, including armrest control members. 2,523,262, Sept. 26.
Amtsberg, Lester A., and J. E. Olson, Cleveland, Ohio, assignors to Chicago Pneumatic Tool Company, New York, N. Y. Linear actuator. 2,509,409, May 30.
Amundsen, Paul, assignor, by mesne assignments, to Parker Rust Proof Company, Detroit, Mich. Coating of metal surfaces. 2,514,149, July 4.
Amundson, Roald H.: *See*—
Earle, Ralph H., and Amundson.
Amundson, Roald H., and H. V. Dryer, Milwaukee, Wis., assignors to McGraw Electric Company. Arc extinguishing material. 2,526,448, Oct. 17.
Amyot, Pierre, assignor to Dominion Corset Company Limited, Quebec, Quebec, Canada. Brassière. 2,515,580, July 18.
Amyot, Pierre, Quebec, Quebec, Canada. Brassière. 2,516,087, July 18.
Amyot, Pierre, Quebec, Quebec, Canada. Brassière. 2,526,316, Oct. 17.
Amyot, Pierre, Quebec, Quebec, Canada. Breast development measuring device. 2,527,206, Oct. 24.
Anacabe, Frank: *See*—
Gaviola, Frank.
Anaconda Copper Mining Company, assignee: *See*—
Graham, Thomas K.
Woodward, Clifford D., and McCanna.
Anaconda Wire and Cable Company, assignee: *See*—
Hickernell, Latimer F.
Lange, Rolland B.
Lorenz, Leo R., and Patterson.
Prescott, Charles S., and Brown.
Snyder, Clermont J.
Snyder, Clermont J., and MacLelland.
Thompson, Henry E.
Vail, John H.
Anast, James L., Xenia, Ohio. Glide path sensor for aircraft. 2,524,746, Oct. 10.
Anastasi, Anthony, Dorchester, Mass. Safety seat for washing windows. 2,532,590, Dec. 5.
Ancell, George B., III, near Electra, Tex. Branding iron. 2,514,618, July 11.
Ancet, Victor M. J., Lyons, France, assignor to Regina S. A., Tangiers, Morocco. Detecting caught threads in circular looms. 2,495,501, Jan. 24.
Ancet, Victor M. J., Lyons, France, assignor to Regina S. A., Tangiers, Morocco. Weft stop motion. 2,516,042, July 18.
Ancet, Victor M. J., Lyon, France, assignor to Regina S. A. Double twist spindle. 2,524,217, Oct. 3.
Anchor Coupling Company, Inc., assignee: *See*—
Stranberg, Don F.
Anchor Hocking Glass Corporation, assignee: *See*—
Bell, William D.
Fouse, Frederick Z.
Jahr, Arthur A.
Stover, Harry E.
Anchor Manufacturing Company, assignee: *See*—
Johansson, Ernest G.
Anchor Rubber Products, Inc., assignee: *See*—
Kravitz, Ben.
Ancona, Joe, assignee: *See*—
Goodheart, Jack.
Andauer, Alfred M., Baldwin, assignor to Universal Fountain Pen & Pencil Co., Inc., New York, N. Y. Cap holding means for fountain pens. 2,520,752, Aug. 29.
Anderegg, Frederick O., Somerville, N. J., assignor to John B. Pierce Foundation, New York, N. Y. Dry-storage box. 2,517,537, Aug. 8.
Anders, Ernest O., San Francisco, Calif. Combination lighting and display fixture. 2,496,513, Feb. 7.
Andersen, Arthur A., Crystal Lake, and B. C. Mathews, Chicago, assignors to American Crop-Drying Equipment Company, Crystal Lake, Ill. Crop drying apparatus. 2,532,530, Dec. 5.
Andersen, Arthur A., Jr., Crystal Lake, Ill. Baby basket. 2,493,181, Jan. 3.
Andersen, Gustav, Oslo, Norway. Electric heater of the panel or bottom molding type. 2,525,850, Oct. 17.
Andersen, Hans, Detroit, Mich. Sling protector. 2,510,674, June 6.
Andersen, Joakim U. F., Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y. Electric precipitating apparatus. 2,508,133, May 16.
Andersen, Joakim U. F., Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y. Electric precipitating apparatus. 2,508,134, May 16.
Andersen, Joakim U. F., Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y. Electric precipitating apparatus. 2,509,901, May 30.
Andersen, Olaf, assignee: *See*—
Pape, Carl H. V.
Andersen, Soren K., Los Angeles, Calif. Aircraft heat exchanger. 2,524,066, Oct. 3.
Andersen, Tengel, Staten Island, N. Y., and C. C. Colby, Bloomfield, N. J. Hydraulically operated boom. 2,512,733, June 27.
Andersen, Tengel, Staten Island, assignor to Certified Equipment Corp., New York, N. Y. Bulldozer attachment. 2,529,208, Nov. 7.
Andersen, Walther M. A., assignor to Crystal Research Laboratories, Incorporated, Hartford, Conn. Electronic metronome. 2,522,492, Sept. 19.
Anderson, Albert & J. M., Manufacturing Company, assignee: *See*—
Varnum, Edward W.
Anderson, Albert E., Quincy, Ill. Feed mixer. 2,504,486, Apr. 18.
Anderson, Albert F., Denver, Colo. Clasp. 2,499,898, Mar. 7.
Anderson, Alfred, assignee: *See*—
Anderson, Chester A.
Anderson, Allan G., assignor of one-half to W. G. Anderson, Cheraw, S. C. Panel trimming machine. 2,501,299, Mar. 21.
Anderson, Alva E., Mountainside, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Multitarget cathode-ray device. 2,527,113, Oct. 24.
Anderson, Anton, Highwood, Ill. Fishhook extractor. 2,507,083, May 9.
Anderson, Arthur B., Milwaukie, and A. Hermann, assignors to Western Pine Association, Portland, Oreg. Treating wood. 2,500,783, Mar. 14.
Anderson, Arthur L.: *See*—
Stone, Robert L., and Anderson.
Anderson, Austin E., Jamestown, N. Y. Milking machine. 2,518,589, Aug. 15.
Anderson, Benhart J., Santa Ana, Calif. Catfish skinning and cleaning clamp. 2,531,546, Nov. 28.
Anderson, Bertil T.: *See*—
Granberg, Bengt R., and Anderson.
Anderson, Bruce E., assignor to Don Gaven Company, Atlanta, Ga. Urea formaldehyde resinous product. 2,535,475, Dec. 26.
Anderson, Carl A: *See*—
Cruikshank, Ross T.
Dath, George E., and Anderson.
Anderson, Carl A., Cranston, R. I., assignor to Anson Incorporated. Extension key chain. 2,531,835, Nov. 28.
Anderson, Carl A., Waukegan, Ill. Mercury switch. 2,508,986, May 23.
Anderson, Carl B., Hessville, Ind. Leveling apparatus and method. 2,504,292, Apr. 18.
Anderson, Carl E., East Orange, assignor to Eastern Tool & Mfg. Co., Belleville, N. J. Slide loop. 2,505,846, May 2.
Anderson, Carl F., St. Paul, Minn. Detachable dispenser for bottles, with plunger-actuated reciprocating valve. 2,517,161, Aug. 1.
Anderson, Carl L., Bloomington, Ill. Cleanout shovel. 2,495,802, Jan. 31.
Anderson, Carl M.: *See*—
Baker, Virgil H., and Anderson.

Anderson, Carl M., Corsicana, Tex., assignor, by mesne assignments, to Bethlehem Supply Company. Friction brake applied and released by fluid pressure. 2,527,290, Oct. 24.

Anderson, Carlos E. : *See*—
Sennholtz, Charles E., and Anderson.

Anderson, Carlos E., and C. E. Sennholtz, Chicago, Ill. Chain link. 2,525,193, Oct. 10.

Anderson, Carlos E., and C. E. Sennholtz, Chicago, Ill. Connecting link. 2,525,194, Oct. 10.

Anderson, Carroll R., Minnetonka Beach, assignor to Munsingwear, Inc., Minneapolis, Minn. Course marker for tricot and the like flat-bed knitting machines. 2,508,348, May 23.

Anderson, Carroll R., assignor to Munsingwear, Inc., Minneapolis, Minn. Collarette fabric. 2,511,685, June 13.

Anderson, Charles E., New York, N. Y. Rotating table ball catching game. 2,499,557, Mar. 7.

Anderson, Charles E., Decatur, Ill. Resonator for pianos. 2,523,982, Sept. 26.

Anderson, Chester A., assignor of one-third to A. Anderson and one-third to R. N. Ornberg, Litchfield, Minn. Hand-operated pressure oilcan. 2,504,371, Apr. 18.

Anderson, Clarence A., San Diego, Calif. Detection device. 2,511,233, June 13.

Anderson, Clayton & Co., assignee : *See*—
Fash, Ralph H.

Anderson, Clayton W., assignor to K. S. Anderson, Scottdale, Pa. Operating mechanism for axially and rotatably movable valve plugs. 2,501,150, Mar. 21.

Anderson, Clifford H., assignee : *See*—
Dvorak, Joseph T.

Anderson, Clifford H., Minneapolis, Minn. Material handling apparatus. 2,535,476, Dec. 26.

Anderson Company, The, assignee : *See*—
Boddy, Leonard.

Anderson Coach Company, assignee : *See*—
Thompson, Raymond A.

Anderson, David E., assignor to Thompson Products, Inc., Cleveland, Ohio. Supplementary feed device for internal-combustion engines. 2,513,773, July 4.

Anderson, David E., assignor to Thompson Products, Inc., Cleveland, Ohio. Supplementary feed device for internal-combustion engines. 2,513,774, July 4.

Anderson, David E., assignor to Thompson Products, Inc., Cleveland, Ohio. Barometric pressure sensitive engine detonation suppressor. 2,513,775, July 4.

Anderson, David E., assignor to Thompson Products, Inc., Cleveland, Ohio. Supplementary fuel injection system. 2,525,576, Oct. 10.

Anderson, David F., Camden, Maine, assignor to Fiberlast of Canada (Ltd.), St. Jerome, Quebec, Canada. Snowshoe or swampshoe. 2,515,070, July 11.

Anderson, E. Harold, administrator : *See*—
Anderson, Ernst G.

Anderson, Edmund B., Rockford, assignor to Borg-Warner Corporation, Chicago, Ill. Seal. 2,510,362, June 6.

Anderson, Edmund C., Homewood, assignor to Kensington Steel Company, Chicago, Ill. Hammer and renewable tip for hammer mills. 2,531,597, Nov. 21.

Anderson, Edward B., Wilmington, Del. Fishing line sinker. 2,517,375, Aug. 1.

Anderson, Edward G. O., West Wickham, and G. G. Bernard, assignors to John Logie Baird Limited, London, England. Video-frequency receiving apparatus. 2,533,081. Dec. 5.

Anderson, Edward L. and L. B., Los Angeles, assignors of one-half to G. H. Bucklin, Fresno, Calif. Primary cell. 2,530,751, Nov. 21.

Anderson, Elmer A. : *See*—
Pierotti, Gino J., Anderson, and Souders.
Pierotti, Gino J., Wilson, and Anderson.

Anderson, Elmer G., assignor of one-half to V. T. Wigglesworth, Portland, Oreg. Collapsible trailer frame. 2,509,794, May 30.

Anderson, Emil S., Chicago, Ill. Auxiliary fuel tank for motor boats. 2,534,394, Dec. 19.

Anderson, Eric, assignor of one-half to W. H. Norris, Trenton, N. J. Pressure seal for flanged pipes. 2,533,868, Dec. 12.

Anderson, Eric M., Westbrook, assignor to Utilities Distributors, Inc., Portland, Maine. Portable truck heater. Re. 23,223, May 2.

Anderson, Eric W., London, and T. J. McDermott, Romford, England. Pulse generating circuit. 2,493,379, Jan. 3.

Anderson, Ernst G., deceased, Chicago, by E. H. Anderson, administrator, Lake Bluff, assignor to Simplet Electric Co., Chicago, Ill. Lamp fixture supporting device. 2,523,180. Sept. 19.

Anderson, Eugene A., and L. C. Roberts, assignors to Southern Saw Service, Inc., Atlanta, Ga. Meat saw. 2,535,714, Dec. 26.

Anderson, Evald F., North Oxford, Mass., assignor to The American Steel and Wire Company of New Jersey. Wire stranding die. 2,503,987, Apr. 11.

Anderson, Frank H., Minneapolis, Minn. Pressure reducer and air strainer. 2,533,907, Dec. 12.

Anderson, Fred J., Aurora, Ill. Multiple movement gate. 2,500.236, Mar. 14.

Anderson, George A. M., assignor to The King Company, Owatonna, Minn. Multistage method and apparatus for freezing comestibles. 2,494,027, Jan. 10.

Anderson, George M., Duvall, Wash. Tire tube holder. 2,509,328, May 30.

Anderson, George V., Hailey, Idaho. Electrical cutting and punching machine. 2,529,895, Nov. 14.

Anderson, Gordon C. : *See*—
Burnham, Virgil A., and Anderson.

Anderson, Gordon G. : *See*—
Mentzer, William C., and Anderson.

Anderson, Gordon R., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Insulator for wound core structures. 2,502,068, Mar. 28.

Anderson, Gustave A., assignor to The International Handkerchief Mfg. Co., New York, N. Y. Pressure means for handkerchief machines. 2,523,181, Sept. 19.

Anderson, Guy R., Conley, assignor of five per cent to W. F. McKinley, Atlanta, Ga. Roofing and calculating square. 2,528,633, Nov. 7.

Anderson, Harold A. : *See*—
Peterson, Harold S., and Anderson.

Anderson, Harold W., Des Moines, Iowa. Projecting an image onto lithographing plates. 2,510,363, June 6.

Anderson, Harry C. : *See*—
Burford, William B., III, and Anderson.

Anderson, Harry N., Barton, Vt. Point locking folding chair. 2,516,610, July 25.

Anderson, Helmer, Minneapolis, Minn., assignor to General Mills, Inc. Method and apparatus for lining blanks. 2,502,117, Mar. 28.

Anderson, Helmer, Minneapolis, Minn., assignor to General Mills, Inc. Glue control for bag sealing machines. 2,512,884, June 27.

Anderson, Herbert L., Hartford, Conn., and P. G. Koontz, Fort Collins, Colo., assignors to the United States of America as represented by the United States Atomic Energy Commission. Radiation counter. 2,494,641, Jan. 17.

Anderson, Herbert L., Hartford, Conn., assignor to the United States of America as represented by the United States Atomic Energy Commission. Detection apparatus. 2,532,874, Dec. 5.

Anderson, Homer G., Newtonville, assignor to Raytheon Manufacturing Company, Newton, Mass. Electron discharge device. 2,509,951, May 30.

Anderson, Ivan G., Chicago, Ill. Coupling means for folding rolls. 2,514,737, July 11.

Anderson, Ivan L., St. Charles, and A. B. Hansen, Chicago, Ill. Hunting blind. 2,511,452, June 13.

Anderson, James, Jr., Los Angeles, Calif. Grouping storage battery plates. 2,505,514, Apr. 25.

Anderson, James, Jr., Los Angeles, Calif. Machine for assembling storage battery plates. 2,509,467, May 30.

Anderson, James H., Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Intermittent explosion gas turbine plant with dilution air. 2,517,822, Aug. 8.

Anderson, James H., Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Cushioning device for rock drill handles. 2,531,800, Nov. 28.

Anderson, James L., Closter, N. J., assignor to Air Reduction Company, Incorporated. Billet nicking machine. 2,504,171, Apr. 18.

Anderson, James L., Closter, N. J., assignor to Air Reduction Company, Incorporated. Apparatus for scarfing slabs of different widths. 2,532,385, Dec. 5.

Anderson, James W., Jr., Detroit, Mich. Rearview mirror. 2,500,784, Mar. 14.

Anderson, James W., Jr., assignor to Accessory Research Corporation, Detroit, Mich. Rear-vision mirror. 2,516,939, Aug. 1.

Anderson, Jimmie E. Pryor, Okla. Toy steering wheel. 2,522,205, Sept. 12.

Anderson, Joel F., Minneapolis, Minn. Stovepipe connector for chimneys and the like. 2,535,186, Dec. 26.

Anderson, John A. : *See*—
MacLaren, Frederick H., and Anderson.

Anderson, John A., Ortonville, Minn. Stone digger. 2,523,263, Sept. 26.

Anderson, John E., Minneapolis, Minn. Sawhorse clamp. 2,501,656, Mar. 28.

Anderson, John E., Portland, assignor to United Aircraft Corporation, East Hartford, Conn. Hydraulic pump for propeller pitch changing mechanisms. 2,494,606, Jan. 17.

Anderson, John E., Portland, assignor to United Aircraft Corporation, East Hartford, Conn. Dual-rotation, transfer-bearing thrust plate. 2,512,005, June 20.

Anderson, John E., Portland, assignor to United Aircraft Corporation, East Hartford, Conn. Variable pitch propeller. 2,533,415, Dec. 12.

Anderson, John H., San Francisco, Calif. Saw raker tooth gauge. 2,523,086, Sept. 19.

Anderson, John M., Washburn, N. Dak. Nail extracting machine. 2,522,769, Sept. 19.

Anderson, John N., assignee : *See*—
Gillespie, John M.

Anderson, John S., Chicago, Ill. Dermal cleaner and scraper having a "fingernail" action. 2,507,619, May 16.

Anderson, John W., Newtown, Conn. Cosmetic applicator with shrinkproof fit. 2,506,984, May 9.

Anderson, John W., Gary, Ind., assignor to Productive Inventions, Inc. Windshield cleaner. 2,528,678, Nov. 7.

Anderson, Julian, Helena, Mont. Garment hanger. 2,522,013, Sept. 12.

Anderson, Karl V., assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Control for internal-combustion engines. 2,504,243, Apr. 18.
Anderson, Kathryn S., assignee: *See*— Anderson Clayton W.
Anderson, Keith, Highland Park, Mich. Infeed attachment for centerless grinding machines. 2,520,822, Aug. 29.
Anderson, Kenneth E.: *See*— Holmwood, Richard H., and Anderson.
Anderson, Leslie J., Moorestown, and A. H. Kettler, Collingswood, N. J., assignors to Radio Corporation of America. Dual microphone sound detector system. 2,496,031, Jan. 31.
Anderson, Leslie J., Moorestown, and A. H. Kettler, Collingswood, N. J., assignors to Radio Corporation of America. Windscreen for microphones. 2,520,706, Aug. 29.
Anderson, Leslie J., Moorestown, N. J., assignor to Radio Corporation of America. Pressure gradient responsive microphone. 2,527,344, Oct. 24.
Anderson, Lloyd L., R. F. Hefferan, and F. Ellison, assignors to Paneva Corporation, Grand Rapids, Mich. Fountain brush with soap chamber. 2,513,776, July 4.
Anderson, Lloyd L., and R. E. Johnson, Grand Rapids, assignors to Winters & Crampton Corporation, Grandville, Mich. Latch. 2,507,847, May 16.
Anderson, Louis A., assignor to Ripley & Gowen Company, Inc., Attleboro, Mass. Expansible bracelet. 2,501,252, Mar. 21.
Anderson, Louis A., and H. C. Pearson, assignors to General Motors Corporation, Dayton, Ohio. Bolt mechanism. 2,503,575, Apr. 11.
Anderson, Lulu B.: *See*— Anderson, Edward L. and L. B.
Anderson, Lynn T., East Orange, N. J., and M. C. Goddard, Garden City, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Timed trunk release. 2,509,050, May 23.
Anderson, Marshall, Marblehead, Mass., assignor to General Electric Company. Dynamoelectric machine. 2,497,650, Feb. 14.
Anderson, Marshall, Marblehead, Mass., assignor to General Electric Company. Driving mechanism. 2,531,098, Nov. 21.
Anderson, Marshall N., assignor to Sellstrom Manufacturing Company, Chicago, Ill. Adjustable headband. 2,511,234, June 13.
Anderson, Marshall N., assignor to Sellstrom Manufacturing Company, Chicago, Ill. Ventilated lens ring. 2,533,547, Dec. 12.
Anderson, Maude J., assignee: *See*— Harrison, Laurence E.
Anderson-Miller and Poston Mfg. Co., assignee: *See*— Anderson, William A.
Anderson, Morris L.: *See*— Barkan, Louis R., and Anderson.
Anderson, Nels E., assignor to V. E. Anderson Manufacturing Company, Owensboro, Ky. Window locking device. 2,503,606, Apr. 11.
Anderson, Nelson, Millburn, N. J. Projectile. 2,494,026, Jan. 10.
Anderson, Nelson E.: *See*— Muller, Albert, Gibson and Anderson. Tyrner, Joseph M., and Anderson.
Anderson, Nelson E., Scotch Plains, N. J., assignor to Air Reduction Company, Incorporated. Water-cooled gas-blanketed arc welding torch. 2,512,706, June 27.
Anderson, Nelson E., Scotch Plains, N. J., assignor to Air Reduction Company, Incorporated. Gas-shielded arc welding torch. 2,512,707, June 27.
Anderson, Nelson E., Scotch Plains, and G. R. Turbett, East Orange, N. J., assignors to Air Reduction Company, Incorporated. Fluid-cooled gas-blanketed arc welding torch. 2,512,705, June 27.
Anderson, Nelson E., Scotch Plains, and S. L. Sullivan, Red Bank, N. J., assignors to Air Reduction Company, Incorporated, New York, N. Y. Liquid cooled cable for welding equipment. 2,535,187, Dec. 26.
Anderson, Nils E., Buffalo, N. Y. Stepladder. 2,522,336, Sept. 12.
Anderson, Norman T.: *See*— Sweeley, Edward A., and Anderson.
Anderson, Olaf R., assignor, by mesne assignments, to The Bastian-Blessing Company, Chicago, Ill. Liquefied gas dispensing apparatus. 2,497,969, Feb. 21.
Anderson, Oscar H.: *See*— Laughead, Gordon, and Anderson.
Anderson, Oscar M.: *See*— Russell, William J., and Anderson.
Anderson, Oscar W.: *See*— Henderson, John K., and Anderson.
Anderson, Oscar W., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Spinning bucket and making it. 2,525,469, Oct. 10.
Anderson, Paul S., Long Beach, Calif. Fish lure. 2,517,620, Aug. 8.
Anderson, Paul V., assignor to Gardner Tool and Stamping Company, Gardner, Mass. Corner brace for furniture. 2,520,231, Aug. 29.
Anderson, Philip P., Jr., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Absorption refrigeration. 2,525,011, Oct. 10.
Anderson, Ralph A., Evanston, Ill., assignor to N. J. Zaro, New York, N. Y. Safety socket and switch assembly for electric light bulbs and the like. 2,525,577, Oct. 10.
Anderson, Ralph L., assignor to Deere & Company, Moline, Ill. Belt and gear drive for self-propelled implements. 2,510,325, June 6.
Anderson, Rea V., Los Angeles, assignor to Rheem Manufacturing Company, Richmond, Calif. Clamping device. 2,522,659, Sept. 19.
Anderson, Rexford O., assignor to Foote Bros. Gear and Machine Corporation, Chicago, Ill. Hydrodynamic brake for vehicles. 2,517,531, Aug. 8.
Anderson, Rexford O., assignor to Foote Bros. Gear and Machine Corporation, Chicago, Ill. Apparatus for absorbing shock loads. 2,517,621, Aug. 8.
Anderson, Richard C., Madison, Wis. Liquid cooler. 2,504,372, Apr. 18.
Anderson, Robert A.: *See*— Allen, William M., and Anderson.
Anderson, Robert I., Grand Haven, Mich., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Ball stop for bowling alleys. 2,505,932, May 2.
Anderson, Robert R., New Albany, Ind. Bicycle attachment. 2,517,957, Aug. 8.
Anderson, Roy A.: *See*— Slotter, Richard L., and Anderson.
Anderson, Roy F.: *See*— Riley, Frank O., and Anderson.
Anderson, Russell J., Racine, Wis., assignor to Belle City Malleable Iron Company. Dumping mechanism for mold conveyers. 2,535,715, Dec. 26.
Anderson, Theodore O.: *See*— Schubert, Frank J., and Anderson.
Anderson, Thomas: *See*— Taylor, Arthur W. C., Rose, and Anderson.
Anderson, Thomas F., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Alkyd resin stabilized with N-arylhydroxy-3-naphthamide. 2,532,475, Dec. 5.
Anderson, Thomas W., Red Bluff, Calif. Door lock. 2,510,326, June 6.
Anderson, V. D., Company, The, assignee: *See*— Weigel, Frederick W.
Anderson, V. E., Manufacturing Company, assignee: *See*— Anderson, Nels E.
Anderson, Victor E.: *See*— Michael, Stephen L., and Anderson.
Anderson, Walter A., Bridgeport, Conn., assignor to Underwood Corporation, New York, N. Y. Load equalizing for differential actuators. 2,493,799, Jan. 10.
Anderson, Warren A., West Brighton, N. Y., assignor to Radio Corporation of America. Stroboscopic device. 2,514,619, July 11.
Anderson, Warren A., West Brighton, N. Y., assignor to Radio Corporation of America. Low-frequency amplifier. 2,525,632, Oct. 10.
Anderson, Warren K., Pacific Palisades, assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif. Grommet. 2,518,851, Aug. 15.
Anderson, Wilbur C., and E. W. Riemenschneider, assignors to The Union Metal Manufacturing Company, Canton, Ohio. Vehicle platform construction. 2,525,281, Oct. 10.
Anderson, Wilbur G., Jr., assignor to American Box Board Company, Grand Rapids, Mich. Folding paper box. 2,493,281, Jan. 3.
Anderson, Wilbur G., Jr., assignor to American Box Board Company, Grand Rapids, Mich. Furniture corner protector. 2,509,468, May 30.
Anderson, William A., assignor to Anderson-Miller and Poston Mfg. Co., Spokane, Wash. Pipe coupling. 2,494,854, Jan. 17.
Anderson, William A., assignor to Anderson-Miller and Poston Mfg. Co., Spokane, Wash. Pipe coupling. 2,494,855, Jan. 17.
Anderson, William C., Oak Park, assignor to Illinois Tool Works, Chicago, Ill. Screw feeding hopper. 2,531,099, Nov. 21.
Anderson, William E., Kansas City, assignor of one-half to William Earl Anderson, Blue Springs, Mo. Material feeder. 2,518,514, Aug. 15.
Anderson, William E., Kansas City, assignor of one-half to W. E. Anderson, Blue Springs, Mo. Mold for cementitious material. 2,522,593, Sept. 19.
Anderson, William Earl, assignee: *See*— Anderson, William E.
Anderson, William F., Wilmington, Calif. Multiple snell holder. 2,525,057, Oct. 10.
Anderson, William G., assignee: *See*— Anderson, Allan G.
Anderson, William H., Elkridge, and D. S. Shingler, Baltimore, Md., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Manual and self-adjusting heating-electrode structure for dielectric heating. 2,498,632, Feb. 28.
Anderson, William M., Virginia, Minn. Sidewalk and floor scraper. 2,535,253, Dec. 26.
Anderson, Wilmer C., Douglaston, assignor to Arma Corporation, Brooklyn, N. Y. Servo-system control. 2,501,300, Mar. 21.
Anderson, Wilmer C., Douglaston, N. Y., assignor to the United States of America as represented by the Secretary of the Navy. Tiltometer system. 2,520,297, Aug. 29.

Anderson, Wilmer C., Greenwich, Conn., assignor to Deering Milliken Research Trust, New York, N. Y. Moisture determination. 2,535,026, Dec. 26.
Anderson, Wilmer C., Greenwich, Conn., assignor to Deering Milliken Research Trust, New York, N. Y. Apparatus for measuring and controlling moisture content or the like. 2,535,027, Dec. 26.
Andersson, Bror A., Boras, Sweden. Luggage carrier for automobiles. 2,514,462, July 11.
Andersson, Bror O. G., assignor to Firma Industrifornodenheter Lennart Rydenfors, Malmo, Sweden. Clothes peg. 2,515,286, July 18.
Andersson, J. E.: *See*—
Fryer, Louis S., Andersson, and Jokilehto.
Andersson, Otto L.: *See*—
Ossbahr, Richard G., and Andersson.
Andersson, Sven W. E., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Water-level control. 2,495,086, Jan. 17.
Andersson, Sven W. E., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Control for refrigeration. 2,502,069, Mar. 28
Andersson, Sven W. E., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Gas burner control. 2,505,455, Apr. 25.
Andersson, Sven W. E., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Air conditioning. 2,515,388, July 18.
Andhop Patents Limited, assignee: *See*—
Andrist, David M.
Andrae, Ernst C., Stockholm, Sweden. Fabricating thermometers. 2,535,477, Dec. 28.
André, Jean, assignor to Compagnie de Produits Chimiques et Electrometallurgiques Alais, Froges et Camargue, Paris, France. Tank for aqueous electrolysis. 2,511,686, June 13.
Andre, Jules E., Montclair, N. J. Ski boot. 2,531,763, Nov. 28.
André, Peter C., Pleasant Ridge, assignor to Chrysler Corporation, Highland Park, Mich. Apparatus for sinuous contoured material. 2,513,777, July 4.
Andreasson, Rudolf W., Franklin, Mich. Drilling device. 2,510,203, June 6.
Andree, Gustav, Hollywood, Calif. Citrus fruit knife. 2,521,622, Sept. 5.
Andren, Karl H., Greenfield, assignor to Artos Engineering Company, Milwaukee, Wis. Wire cutting and stripping apparatus. 2,497,112, Feb. 14.
Andres, Lloyd J., assignor to Permo Incorporated, Chicago, Ill. Phonograph stylus. 2,502,242, Mar. 28.
Andres, Lloyd J., assignor to Permo, Incorporated, Chicago, Ill. Universal tone arm for multispeed record players. 2,526,188, Oct. 17.
Andres, Lloyd J., Itasca, assignor, by mesne assignments, to H. C. Evans & Company, Chicago, Ill. Selector mechanism for automatic phonographs. 2,530,347, Nov. 14.
Andres, Lloyd J., Itasca, assignor, by mesne assignments, to H. C. Evans & Company, Chicago, Ill. Clutch and control mechanism therefor. 2,532,266, Nov. 28.
Andrés, Louis C.: *See*—
Joly, Léon, and Andrés.
Andres, Ray C., Big Rapids, Mich., assignor to Home Protection Company, Inc. Pneumatic conveying machine. 2,494,500, Jan. 10.
Andres, William A., Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Knee operated shifting device. 2,529,442, Nov. 7.
Andresen, Henry A., and R. R. Stade, Fairmont, Minn. Automatic wax mat. 2,521,817, Sept. 12.
Andresen, John H., Jr.: *See*—
Angst, Walter, and Andresen.
Carbonara, Victor E., and Andresen.
Andress, Harry J., Jr.: *See*—
Reiff, Orland M., and Andress.
Reiff, Orland M., Andress, and Kozacik.
Andress, Harry J., Jr., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Lubricating oil compositions. 2,506,570, May 9.
Andrew, Carl L., assignor of one-half to E. B. Smith, Greenville, S. C. Book construction. 2,502,813, Apr. 4.
Andrew Corporation, asignee: *See*—
Brown, John S.
Andrew, James M., Findlay, Ohio. Furniture buffer. 2,502,912, Apr. 4.
Andrew, Vernon J., Santa Ana, Calif. Catch. 2,503,463, Apr. 11.
Andrews-Alderfer Processing Company Incorporated, assignee: *See*—
Alderfer, Sterling W.
Andrews, Alfred, Penn, assignor to Guy Motors Limited, Fallings Park, Wolverhampton, England. Change-speed mechanism. 2,535,381, Dec. 26.
Andrews, Alvadore M., Portland, Oreg. Apparatus for joining pieces of plastic. 2,495,680, Jan. 31.
Andrews, Alvadore M., Portland, Oreg. Joining pieces of plastic. 2,500,053, Mar. 7.
Andrews & Beaven Ltd., assignee: *See*—
Smart, Leonard E. S.
Andrews, Dallas R., Collingswood, N. J., assignor to Radio Corporation of America. Multiple blade light interrupting shutter. 2,513,702, July 4.
Andrews, Daly P., and B. D. Heeger, Mountain Grove, Mo. Saw-supporting log clamp. 2,504,373, Apr. 18.
Andrews, Donald H., Baltimore, Md., assignor to Research Corporation, New York, N. Y. Image sensitive tube. 2,522,153, Sept. 12.
Andrews, Donald H., Baltimore, Md., assignor to Research Corporation, New York, N. Y. Radio signal detector. 2,533,908, Dec. 12.
Andrews, Edward D., Akron, Ohio, assignor to The Quaker Oats Company, Chicago, Ill. Package construction. 2,527,692, Oct. 31.
Andrews, Edward F.: *See*—
Gierwiatowski, Olgierd, and Andrews.
Andrews, Edward F., Chicago, Ill. Stop-on-signal radio apparatus. 2,493,741, Jan. 10.
Andrews, Edward F., Chicago, Ill. Rotary blade lift control for rotary wing sustained aircraft. 2,511,687, June 13.
Andrews, Edward F., assignor, by mesne assignments, to J. P. Seeburg Corporation, Chicago, Ill. Selector mechanism for automatic phonographs. 2,531,374, Nov. 21.
Andrews, Ernest E., Richmond, Va. Terminal air brake time testing device. 2,510,538, June 6.
Andrews, Fred W.: *See*—
Spanel, Abraham N., Andrews, and Owen.
Andrews, Fred W., assignor to International Latex Corporation, Dover, Del. Baby pants. 2,531,900, Nov. 28.
Andrews, Garnett S., Nashville, Tenn. Pressure intensifier. 2,500,237, Mar. 14.
Andrews, George P., Detroit, Mich. Automatic electric barbecue and bread toaster. 2,499,558, Mar. 7.
Andrews, Harold A.: *See*—
Johnson, Nels H., and Andrews.
Andrews, Harold K.: *See*—
Gaynor, Edwin G., and Andrews.
Andrews, Henry, assignor to Piatt Products Corporation, Lansing, Mich. Thermostatic control device. 2,494,079, Jan. 10.
Andrews, James F., Penns Grove, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Safety device for pressure vessels. 2,526,794, Oct. 24.
Andrews, James F., Penns Grove, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Safety relief diaphragm. 2,526,795, Oct. 24.
Andrews, John M., assignor to York Corporation, York, Pa. Electrical liquid level control. 2,498,232, Feb. 21.
Andrews, John M., assignor to York Corporation, York, Pa. Current inrush control. 2,526,924, Oct. 24.
Andrews, Mark B., Kirkwood, Mo. Dispenser for tape. 2,535,621, Dec. 26.
Andrews, Norman F.: *See*—
Paradise, Louis A., Coultas, and Andrews.
Andrews, Norman F., Moline, Ill., R. L. Dort, Davenport, Iowa, J. Verger, Rock Island, W. J. Coultas, Moline, and S. E. Hill, Glen Ellyn, assignors to Deere & Company, Moline, Ill. Hitching arrangement for harvesters and allied equipment. 2,494,080, Jan. 10.
Andrews, Norman F., Moline, Ill., and R. L. Dort, Davenport, Iowa, assignors to Deere & Company, Moline, Ill. Corn harvester gatherer construction. 2,496,514, Feb. 7.
Andrews, Norman F., assignor to Deere & Company, Moline, Ill. Vehicle-mounted harvester with trailing crop-receiving unit. 2,507,687, May 16.
Andrews, Norman F., assignor to Deere & Company, Moline, Ill. Corn harvester. 2,511,960, June 20.
Andrews, Norman F., assignor to Deere & Company, Moline, Ill. Corn picker harvester. 2,525,058, Oct. 10.
Andrews, Norwood H., and J. L. Speirs, Moorestown, N. J., assignors, by mesne assignments, to The Micronizer Company, New York, N. Y. Drying and pulverizing method and apparatus. 2,494,153, Jan. 10.
Andrews, O. B., Company, assignee: *See*—
Pennebaker, Lewis C.
Turner, William E.
Andrews, Percival W., assignee: *See*—
Dewan, Leon.
Andrews, Ralph P., Boca Raton, Fla. Correcting and curing ingrowing toenails. 2,505,086, Apr. 25.
Andrews, Robert A. C., St. Thomas, Ontario, Canada. Magnetic sadiron holder. 2,493,846, Jan. 10.
Andrews, Troy M.: *See*—
Martin, Mervin E., and Andrews.
Andrist, David M., assignor to Andhop Patents Limited, Victoria, British Columbia, Canada. Baiting machine. 2,511,828, June 20.
Andrist, David M., assignor to Andhop Patents Limited, Victoria, British Columbia, Canada. Baiting machine. 2,518,590, Aug. 15.
Andrus, Elwin A., assignee: *See*—
Bierce, Burton B.
Andrus, Elwin A., assignee: *See*—
Bierce, Burton B.
Andrus, John R., Brooklyn, assignor to S. Apostoluk, New York, N. Y. Garment clasp. 2,531,244, Nov. 21.
Andrus, William T., Ann Arbor, Mich. Apparatus for preparing seed beds and seeding same. 2,524,871, Oct. 10.

Anemostat Corporation of America, assignee: *See*—
Gilbert, Alfred R.
Honerkamp, Friedrich.
Kurth, Franz J.
Phillips, Leonard R.
Wallen, George R., and Trausneck.
Ward, Francis B.

Angel, Cecil: *See*—
Warner, Francis A., Engleman, and Angel.

Angel, Herbert, Brooklyn, assignor to The Western Union Telegraph Company, New York, N. Y. Printing telegraph apparatus. 2,529,238, Nov. 7.

Angelillo, Olindo R.: *See*—
Young, John T., and Angelillo.

Angelino, Vincent, assignee: *See*—
Bozzelli.

Angell, Baron M., Indianapolis, Ind. Adjustable cargo bulkhead. 2,517,823, Aug. 8.

Angell, Charles H., assignor to S. C. Hurley, Jr., W. L. Hurley, executrix of said S. C. Hurley, Jr., deceased, assignor to W. L. Hurley, Danville, Ill. Method and device for gauging magnetic materials. 2,503,721, Apr. 11.

Angell, Robert C., and G. H. Browne, Prince Bay, N. Y., assignors to The S. S. White Dental Manufacturing Company, Philadelphia, Pa. Adjustable seat supporting structure. 2,529,861, Nov. 14.

Angelo, Michael: *See*—
Rambo, Francis R., and Angelo.

Angelotti, Silvio J., Haverhill, Mass. Chuck for scroll saws. 2,519,214, Aug. 15.

Anger, Ernest G.: *See*—
Stanback, Harris I., and Anger.

Angerby, Erik A., S. G. Carlsson, and S. G. Blom, Nynashamn, Sweden; said Carlsson now by change of name S. G. Carlsson Axsäter. Profiling grinder. 2,521,958, Sept. 12.

Angerman, Albert H., Oak Ridge, Tenn., assignor to the United States of America as represented by the United States Atomic Energy Commission. Dissolving difficultly soluble metal sulfates. 2,514,115, July 4.

Angert, Jack J., Chicago, Ill. Cigar holder. 2,532,531, Dec. 5.

Angert, Richard W., Cincinnati, Ohio. Adjustable pillow. 2,500,974, Mar. 21.

Angier, Robert B.: *See*—
Boothe, James H., and Angier.

Anglemyer, Alfred A., Dayton, Ohio. Power unit. 2,501,253, Mar. 21.

Anglin, Richard, Bridgeport, Conn. Loose-leaf binder. 2,504,783, Apr. 18.

Anglo American Corporation of South Africa Limited, assignee: *See*—
Bean, David R.

Anglo-Canadian Pulp and Paper Mills Limited, assignee: *See*—
Aconley, John.
O'Halloran, James.

Anglo-Iranian Oil Company Limited, assignee: *See*—
Birch, Stanley F., Habeshaw, and Collis.
Fawcett, Eric W. M., and Narracott.
Howes, Donald A., and Tait.
Partridge, William A., and Alty.

Anglo, James E., St. Paul, assignor to Coca Cola Bottling Company of Minnesota, Incorporated, Minneapolis, Minn. Warning signal for crowning machines. 2,498,193, Feb. 21.

Angst, Walter, Manhasset, and J. H. Andresen, Jr., Port Washington, N. Y., assignors to Square D Company, Detroit, Mich. Rate of change indicator. 2,531,492, Nov. 28.

Angst, Walter, Manhasset, N. Y., assignor to Square D Company, Detroit, Mich. Mach meter. 2,522,337, Sept. 12.

Angus, Everett N., and J. W. Creely, Oaklyn, and R. M. Fischer, Patterson; said Angus and said Creely assignors to Eavenson & Levering Company, Camden, N. J., and said Fischer assignor to American Cyanamid Company, New York, N. Y. Shrink-proofing wool and woolen fabrics. 2,522,338, Sept. 12.

Angus, George, and Company Limited, assignee: *See*—
Goodwin, Reginald.
Sowerby, George A., and Short

Angus, William C., and J. R. Wylde, Spondon, near Derby, England, assignors to Celanese Corporation of America. Warp slackening device. 2,515,389, July 18.

Anheuser, Alfred E., Milwaukee, Wis. Knife sharpener. 2,495,361, Jan. 24.

Anholtt, Anders P.: *See*—
Giern, James B., and Anholtt.

Animal Trap Company of America, assignee: *See*—
Graybill, Hershey R.
Heymann, Roy D.
Lehn, John U.
Woolworth, Richard G.

Aninga, Johannes B., and J. Tenger, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Device for making coated welding rods. 2,494,856, Jan. 17.

Anish, Alfred W., Ralford Manor, and L. C. Hensley, Binghamton, assignors to General Aniline & Film Corporation, New York, N. Y. Photographic filter and antihalation layers containing a silver salt of an azanol dye. 2,496,841, Feb. 7.

Anish, Alfred W., Vestal, and C. A. Clark, Binghamton, assignors to General Aniline & Film Corporation, New York, N. Y. Photographic silver-halide emulsions containing trinuclear cyanine dyes. 2,500,112, Mar. 7.

Anish, Alfred W., Vestal, and L. C. Hensley, Binghamton, assignors to General Aniline & Film Corporation, New York, N. Y. Azanol dyes. 2,500,111, Mar. 7.

Anish, Alfred W., Vestal, assignor to General Aniline & Film Corporation, New York, N. Y. Cyanine dye intermediates containing an aryloxy-, arylthio- or arylseleno-alkyl-p- toluenesulfonate group attached to the nitrogen atom thereof. 2,496,842, Feb. 7.

Anish, Alfred W., Vestal, assignor to General Aniline & Film Corporation, New York, N. Y. Photographic elements containing hydroxy heavy metal salts of trinuclear iminol cyanine dyes as filter and antihalation dyes. 2,496,843, Feb. 7.

Anish, Alfred W., Vestal, assignor to General Aniline & Film Corporation, New York, N. Y. Photographic emulsions containing N-aryloxy-, arylthio-, and arylseleno-alkyl cyanine dyes. 2,504,615, Apr. 18.

Anish, Alfred W., Vestal, assignor to General Aniline & Film Corporation, New York, N. Y. Photographic emulsions containing heterocyclic nitrogenous cyanine dyes having a new group attached to the nitrogen atom thereof. 2,504,616, Apr. 18.

Anish, Alfred W., Vestal, assignor to General Aniline & Film Corporation, New York, N. Y. P-dialkylaminostyryl dyes containing a new group attached to the nitrogen atom of the heterocyclic nitrogen nucleus. 2,504,617, Apr. 18.

Anish, Alfred W., Vestal, assignor to General Aniline & Film Corporation, New York, N. Y. Heterocyclic nitrogenous cyanine dyes containing a new group added to the nitrogen atom thereof. 2,508,324, May 16.

Anish, Alfred W., Vestal, assignor to General Aniline & Film Corporation, New York, N. Y. Preparing carbocyanine dyes. 2,508,325, May 16.

Anish, Alfred W., Vestal, assignor to General Aniline & Film Corporation, New York, N. Y. Optically sensitized photographic silver halide emulsions. 2,521,959, Sept. 12.

Anker, Carl, assignee: *See*—
Read, Charles S.

Anker, Charles A.: *See*—
Ramstad, Paul E., and Anker.

Ankeman, Earl B., Cincinnati, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. High-frequency stabilized arc welding system. 2,495,155, Jan. 17.

Ankenman, Earl B.: *See*—
Mahnke, Kurt, and Ankenman.

Anketell, Edward N., assignor to The A. C. Gilbert Company, New Haven, Conn. Disengageable worm gearing. 2,503,146, Apr. 4.

Annable, Oliver S., Brooklyn, assignor to J. R. Bergey, New York, N. Y. Toy parachute. 2,509,182, May 23.

Annable, Weldon G., Mundelein, assignor to The Pure Oil Company, Chicago, Ill. Reforming gasoline. 2,510,673, June 6.

Annarilli, Mary P., Bridgeton, N. J. Confection stock. 2,495,217, Jan. 24.

Annas, Taft T., Hickory, N. C. Block molding machine. 2,529,066, Nov. 7.

Anné, Charles T., and R. F. Nelson, Port Arthur, Tex., assignors to The Texas Company, New York, N. Y. Recovery of furfural from furfural-polymer mixtures. 2,494,325, Jan. 10.

Anner, Georg: *See*—
Miescher, Karl, and Anner.
Miescher, Karl, Heer, Billeter, and Anner.

Annerén, Rolf E., assignor to Aktiebolaget Facit, Atvidaberg, Sweden. Support for office machines. 2,529,475, Nov. 14.

Annin and Company, assignee: *See*—
Chandler, Digby W.

Annin, Douglas H.: *See*—
Bryant, Austin U., and Annin.

Annin, Douglas H., Oakland, assignor to Fluid Control Engineering Co., Piedmont, Calif. Regulating device. 2,518,852, Aug. 15.

Annin, Douglas H., Oakland, Calif., assignor to Fluid Control Engineering Co. Fluid flow control device. 2,519,333, Aug. 22.

Annin, Douglas H., Oakland, Calif., assignor, by mesne assignments, to Grove Regulator Company. Compartment testing apparatus. 2,534,158, Dec. 12.

Annis, Clyde M., Twin Falls, Idaho. Mowing machine. 2,513,703, July 4.

Annis, Wilbert: *See*—
Byrd, William, Jr., and Annis.

Annunziata, Jasper S., Oak Park, Ill. Dosage time indicating means. 2,528,259, Oct. 31.

Ansel, Harry R., Oak Park, assignor to Wm. J. Stange Co., Chicago, Ill. Percolator. 2,497,572, Feb. 14.

Ansel, Harry R., Oak Park, assignor to Wm. J. Stange Co., Chicago, Ill. Spice product and making the same. 2,507,084, May 9.

Anselm and Company, assignee: *See*—
Whittaker, Edward G.

Anslinger, Justin V.: *See*—
Carey, Albert L., and Anslinger.

Anson Incorporated, assignee: *See*—
Anderson, Carl A.
Anson, Ira, Sioux City, Iowa. Adjustable hay feed rack. 2,533,984, Dec. 12.
Anson, Robert F., Delaware, Ohio. Continuous flow paintbrush. 2,504,487, Apr. 18.
Anstett, Edgar P., assignor to Powernails Company, Chicago, Ill. Nailing machine. 2,496,974, Feb. 7.
Ansul Chemical Company, assignee: *See*—
Guise, Arthur B., and Johnson.
Antalek, John J., assignor to The Rauland Corporation, Chicago, Ill. Thermionic valve circuits. 2,500,504, Mar. 14.
Antalek, John J., assignor to The Rauland Corporation, Chicago, Ill. Piezoelectric crystal oscillator. 2,506,762, May 9.
Anthes, Clifford C., Union, N. J., assignor to The Linde Air Products Company. Multiflame heating head. 2,518,544, Aug. 15.
Anthes, Jacob, U. S. Army, Milwaukee, Wis. Remote radio controlled motor system. 2,494,533, Jan. 17.
Anthes, John A.: *See*—
Dudley, James R., and Anthes.
Anthes, Lawrence L., Toronto, Ontario, Canada. Adjustable reading and writing table for furniture. 2,533,416, Dec. 12.
Anthony, Benjamin F., Kirkwood, Mo. Direction finder. 2,499,446, Mar. 7.
Anthony Company, assignee: *See*—
Duis, Glenn A., and Hermann.
Novotney, Frank A.
Anthony, Joseph, Hamilton, Ontario, Canada. Golf ball putting game. 2,497,390, Feb. 14.
Anthony, Leonard R., Hildenborough, near Tonbridge, B. Frenkel, Southborough, C. E. Smith, Tonbridge, and R. W. H. Wicking, assignors to British Resin Products, Limited, London, England. Liquid urea formaldehyde adhesive compositions. 2,500,054, Mar. 7.
Anthony, Lucius L., South Haven, Mich. Brace for construction forms. 2,518,112, Aug. 8.
Anthony, Myron L., and R. M. Virkus, La Grange, Ill., assignors to Sylvania Electric Products Inc. Electrical control device. 2,502,549, Apr. 4.
Anthony, Myron L., and R. M. Virkus, La Grange, Ill., assignors to Sylvania Electric Products Inc. Electrical control device. 2,502,550, Apr. 4.
Anthony, Paul Z., Linden, and G. A. Stein, Plainfield, assignors to Merck & Co., Inc., Rahway, N. J. Production of di-(chlorophenyl)-trichloroethane. 2,519,423, Aug. 22.
Anthony, Russel W., assignor to National Broach and Machine Company, Detroit, Mich. Clamping device. 2,524,507, Oct. 3.
Anthony, Samuel A., Tucson, Ariz. Mechanical golf ball projector. 2,523,805, Sept. 26.
Anthony, V. S., Company, Inc., assignee: *See*—
Valente, Anthony S.
Anthracite Equipment Corporation, assignee: *See*—
Devol, Lee.
Antill, Philip W., Ridgefield Park, N. J., assignor to American Arch Company, Inc., New York, N. Y. Skewback and tile for open hearth furnaces. 2,509,029, May 23.
Antioch College, assignee: *See*—
Bean, Xarifa L.
Antia Products, assignee: *See*—
Losquadro, Michael A.
Antonio, Adolph L., Pasadena, Calif., and C. C. Waddell, Aruba, Netherlands West Indies, assignors to Standard Oil Development Company. Reactor. 2,504,488, Apr. 18.
Antonioli, Peter, Jr.: *See*—
Johnson, Andrew, and Antonioli.
Antos, Joseph, assignor of one-sixth to J. D. Benbow, Aurora, Ill. Automatic slide projector. 2,503,239, Apr. 11.
Antrim, William D., assignor, by mesne assignments, to Affiliated Gas Equipment, Inc., Cleveland, Ohio. Safety control means with flash tube for oven burners. 2,520,298, Aug. 29.
Antrim, William D., assignor, by mesne assignments, to Affiliated Gas Equipment, Inc., Cleveland, Ohio. Safety control means with flash tube for oven burners. 2,520,299, Aug. 29.
Ant-Wuorinen, Olli V. A., Helsinki, Finland. Hydrolyzing cellulosic materials. 2,516,833, Aug. 1.
Anuszkiewicz, Walter R., McKeesport, Pa., assignor to National Tube Company. Expansible wedge. 2,505,847, May 2.
Anxionnaz, René, and R. Imbert, Paris, France, vested in the Attorney General of the United States. Reaction propelling device for aircraft. Re. 23,198, Feb. 21.
Anxionnaz, Rene, assignee: *See*—
Imbert, Roger J.
Sédille, Marcel H. L., and Imbert.
Anzalone, Ralph: *See*—
Dwyer, Martin, and Anzalone.
Anzalone, Ralph, Baldwin, assignor to L. P. Frieder, New York, N. Y. Treated paper parachute. 2,516,444, July 25.
Anzovino, Joseph A.: *See*—
Di Paolo, Gerard R., and Anzovino.
Apablasa, Cayetano J., Los Angeles, Calif. Precious metal trap. 2,509,795, May 30.
Apel, Carl H.: *See*—
Murphy, Frank L., and Apel.
Apel, John G., Chicago, Ill. Closure means for vehicle bodies. 2,509,665, May 30.
Apelt, Rudolph H., Nantasket Beach, Mass. Adjustable sun visor. 2,501,371, Mar. 21.
Apex Electrical Manufacturing Co., The, assignee: *See*—
Archbold, Ralph L.
Kirby, James B.
Sullivan, William G.
Wiltshire, Arthur J., Lotz, and White.
Apex Machine & Tool Company, The, assignee: *See*—
Fischer, Harry G., and Wendling.
Apex Steel Corporation, Ltd., assignee: *See*—
Quinn, Orion T., Sr.
Apex Tool & Cutter Company, assignee: *See*—
Sheridan, Henry M.
Apgar, Charles W., assignor, by mesne assignments, to A. L. Rosenfeld, C. W. Apgar, and F. R. Mann, Philadelphia, Pa., as trustees. Stock take-off apparatus. 2,498,061, Feb. 21.
Apgar, John N., Bound Brook, N. J. Tractor-semitrailer coupling. 2,494,982, Jan. 17.
Apgar, John N., Bound Brook, N. J. Turntable for fifth wheel trailer couplings. 2,501,884, Mar. 28.
Apker, Le Roy, Niskayuna, N. Y., assignor to General Electric Company. Ultra high frequency receiver. 2,518,113, Aug. 8.
Apker, LeRoy, Niskayuna, and J. Kahnke, Schenectady, N. Y., assignors to General Electric Company. Ultra high frequency wave generator. 2,534,098, Dec. 12.
Apostoluk, Stephen, assignee: *See*—
Andrus, John R.
Appel, Gustave, New York, N. Y. Corn and callous remover. 2,530,216, Nov. 14.
Appel, Oscar, Paterson, N. J. Controlling combustion in internal-combustion engines. 2,531,493, Nov. 28.
Appel, Robert E., Chicago, Ill. Quiz device. 2,497,200, Feb. 14.
Appelberg, Carl W., Stockholm, Sweden. Temperature regulator with signaling device. 2,494,925, Jan. 17.
Appell, George L., Baltimore, Md. Electric radiator. 2,502,551, Apr. 4.
Appelquest, Andren J., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Regeneration of ion exchange materials. 2,515,581, July 18.
Appelquest, Andren J., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Resinous products derived from condensation products of cycloaliphatic ketones with guanidines, dicyandiamide or biguanides. 2,517,824, Aug. 8.
Apperson, Richard D., Lynchburg, Va. Apparatus for handling the shipment of goods in bulk. 2,498,906, Feb. 28.
Apple, Carl, Chicago, Ill. Mileage register. 2,495,502, Jan. 24.
Apple, Floyd M., Burlington, N. C. Power lawn mower. 2,497,573, Feb. 14.
Appleby, Max M., Blythe, Calif. Lamp fixture. 2,512,129, June 20.
Appleby, Philip P., Maryville, Tenn., assignor to Aluminum Company of America, Pittsburgh, Pa. Coil opening apparatus. 2,525,254, Oct. 10.
Applegarth, Alexander R., Jr., Dayton, Ohio. Blocking oscillator. 2,493,517, Jan. 3.
Applegate, Charles O., U. S. Army. Toy electric locomotive. 2,518,853, Aug. 15.
Applegate, Chester P., Lakewood, N. J. Valve removing machine. 2,524,949, Oct. 10.
Applegate, Earl, Frankfort, Ind. Take-up of electric cords. Re. 23,280, Oct. 10.
Applegate, Lester J., Gilmore City, Iowa. Earth boring machine. 2,509,410, May 30.
Applegate, Lindsay M., Portland, Oreg. Heating system. 2,516,666, July 25.
Applegate, Virgil C., Denver, Colo. Casing removing instrument. 2,509,411, May 30.
Appleton, Arthur I., Evanston, assignor to Appleton Electric Company, Chicago, Ill. Hanger for electrical lighting fixtures. 2,515,390, July 18.
Appleton, Arthur I., Northbrook, and N. A. Appleton, assignors to Appleton Electric Company, Chicago, Ill. Rotary snap switch. 2,519,215, Aug. 15.
Appleton Electric Company, assignee: *See*—
Appleton, Arthur I.
Appleton, Arthur I. and N. A.
Tornblom, Nils A.
Appleton, John R.: *See*—
Essex, Jesse L., and Appleton.
Appleton Mfg. Co., assignee: *See*—
Gitter, Orville H.
Appleton, Norton A.: *See*—
Appleton, Arthur I. and N. A.
Appleton, Richard L., assignor of one-third to H. U. Montgomery and one-third to E. L. Rowland, Akron, Ohio. Automatic starter unit. 2,535,007, Dec. 19.
Applezweig, Norman, New York, N. Y. Carpule filling machine. 2,503,147, Apr. 4.
Applezweig, Norman, New York, N. Y. Extraction of alkaloids from fresh plants. 2,509,051, May 23.
Appliance Corporation of America, assignee: *See*—
Horvath, John F.
Appliance Development Company, assignee: *See*—
Kendrick, Karl A.

Applied Arts Corporation, assignee: *See*—
Hendricks, Cornelius.
Applied Research Corporation, assignee: *See*—
Weichselbaum, Theodore E.
Applied Research Laboratories, assignee: *See*—
Fassin, Gustave.
Apps, William H., assignor to Union Plate and Wire Co., Attleboro, Mass. Insert bracelet. 2,522,852, Sept. 19.
April, Abe, assignee: *See*—
Kempf, Herman H.
Aquila, Christopher J., Euclid, Ohio. Door latch handle. 2,517,075, Aug. 1.
Arabian American Oil Company, assignee: *See*—
Van Dornick, Edward M.
Arabian, Karekin: *See*—
Schaerer, August A., and Arabian.
Araldsen, Peder O. G., assignor to Sarpsborg Elektriske Fabrikker, SEFAA/S, Sharpsborg, Norway. Overflow hot-water tank, preferably with electric heating, for a plurality of tapping places, without floating valve cistern. 2,515,974, July 18.
Arant, Narvelle, San Francisco, Calif. Pencil sharpener. 2,513,704, July 4.
Arant, Perry, assignor to Clayton Manufacturing Company, Alhambra, Calif. Water tube coil steam generating apparatus. 2,507,293, May 9.
Arase, Yuriko K., Minneapolis, Minn. Two-way nozzle. 2,502,500, Apr. 4.
Arase, Yuriko K., Minneapolis, Minn. Lawn trimmer. 2,526,317, Oct. 17.
Arbeit, Pierre, assignor to Societe Anonyme des Manufactures des Glaces et Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France. Electric glass furnace. 2,512,761, June 27.
Arbenz, John G., Wheeling, W. Va. Antiglare glasses. 2,510,539, June 6.
Arbetman, Arthur, Newark, N. J., assignor to Rodman Trading Corp., Little Neck, N. Y. Pocket atomizer. 2,529,239, Nov. 7.
Arbib, Richard H., Grosse Pointe Woods, assignor to Houdaille-Hershey Corporation, Detroit, Mich. Bumper guard and exhaust extension. 2,515,391, July 18.
Arbib, Richard H., Huntington Woods, Mich., assignor to United States Rubber Company, New York, N. Y. Display device. 2,503,988, Apr. 11.
Arbogast, Alfred C., assignor to Northern Indiana Brass Company, Elkhart, Ind. Pipe joint. 2,495,622, Jan. 24.
Arbogast, Alfred C., assignor to Northern Indiana Brass Company, Elkhart, Ind. Joint structure for thin-walled tubing. 2,512,294, June 20.
Arbogast, Fred; N. E. Arbogast, executrix of said Fred Arbogast, deceased, assignor to Arbogast and Company, Inc., Akron, Ohio. Leader for fishlines and method and apparatus for shaping the same. 2,515,175, July 18.
Arbogast, Fred, and Company, Inc., assignee: *See*—
Arbogast, Fred.
Arbogast, George J.: *See*—
Guilbert, Nicholas R., Jr., and Arbogast.
Arbogast, Nellie E., executrix: *See*—
Arbogast, Fred.
Arbogast, Raymond D., Freeport, Ill., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Snap acting mechanism. 2,519,334, Aug. 22.
Arcadia Manufacturing Company, assignee: *See*—
Afton, Leonard N., and Kaufman.
Arcarese, Carlo J.: *See*—
Ulrich, Arthur E., Hume, Arcarese, and Steele.
Archambault, Alcide J., North Quincy, Mass. Building block. 2,493,435, Jan. 3.
Archambeau, Harry C., Toledo, Ohio. Liquid burning light. 2,512,885, June 27.
Archbold, Ralph L., Euclid, assignor to The Apex Electrical Manufacturing Company, Cleveland, Ohio. Automatically controllable brake means for spin-drier type washing machines. 2,512,263, June 20.
Archer, Irving M., Dallas, Tex., assignor to Campbell Taggert Research Corporation, Kansas City, Mo. Machine for applying a coating to the interior of pans. 2,499,621, Mar. 7.
Archer, Sydney: *See*—
Albertson, Noel F., and Archer.
Archer, Sydney, Albany, N. Y., assignor to Sterling Drug Inc., Wilmington, Del. 4-pyridone-n-carboxylic acids. 2,505,634, Apr. 25.
Archibald, Raymond C., Berkeley, and R. A. Trimble, El Cerrito, assignors to Shell Development Company, San Francisco, Calif. Producing alcohols. 2,504,618, Apr. 18.
Archibald, Raymond C., Berkeley, and F. T. Eggertsen, Oakland, assignors to Shell Development Company, San Francisco, Calif. Protection of high surface xerogels. 2,519,622, Aug. 22.
Archidiacano, Nicholas, Boston, Mass. Nonrefillable attachment. 2,504,103, Apr. 18.
Arco Company, The, assignee: *See*—
Hexter, Paul L.
Kanning, Eugene W., Bobalek, and Hart.
Williams, David M.
Arcularius, Charles duB., New Canaan, Conn. Drier. 2,521,769, Sept. 12.
Ardell, Edgar: *See*—
Fischer, Paul E., and Ardell.
Arden, Thomas R., assignor to Bard-Parker Company, Inc., Danbury, Conn. Ignition plug. 2,500,395, Mar. 14.
Arden, Thomas T., La Habra, Calif., assignor to Robertshaw-Fulton Controls Company, Youngwood, Pa. Safety and condition control device for gaseous fuel burners. 2,513,705, July 4.
Ardis, Alan E., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Cyclohexenes disubstituted in the 4-position by cyano or carbamyl groups. 2,510,491, June 6.
Ardis, Alan E., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Preparation of vinylidene cyanide by pyrolysis of novel 4,4-disubstituted cyclohexenes. 2,502,412, Apr. 4.
Ardis, Alan E., and H. Gilbert, Cuyahoga Falls, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Depolymerizing polymers of 1,1-dicyano ethylene. 2,535,827, Dec. 28.
Arditi, Maurice, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Electron tube. 2,520,119, Aug. 29.
Arditi, Maurice, assignor to International Standard Electric Corporation, New York, N. Y. Multiplex counting system. 2,527,512, Oct. 31.
Arditi, Maurice, assignor to International Standard Electric Corporation, New York, N. Y. Vacuum tube electrode. 2,531,382, Nov. 28.
Arditi, Maurice, New York, N. Y., and V. J. Desantis, Chatham, N. J., assignors to Federal Telephone and Radio Corporation, New York, N. Y. Grid for electron discharge devices. 2,516,841, Aug. 1.
Arditi, Maurice, New York, N. Y., and V. J. De Santis, Chatham, N. J., assignors to International Standard Electric Corporation, New York, N. Y. Nonemissive electrode for use in electron discharge devices. 2,527,513, Oct. 31.
Arditi, Maurice, New York, N. Y., and V. J. De Santis, Chatham, N. J., assignors to International Standard Electric Corporation, New York, N. Y. Nonemissive electrode for use in electron discharge devices. 2,527,514, Oct. 31.
Ardren, David B., Moylan, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Converting hydrocarbons. 2,526,625, Oct. 24.
Ardron, Gerald L., Seattle, Wash., assignor to Continental Can Company, Inc., New York, N. Y. Machine for loading cans in trays in staggered relation with double row can feed means. 2,535,828, Dec. 26.
Area Electric Limited, assignee: *See*—
Fitch, Stanley.
Arehart, David D., assignor to Palace Corporation, Flint, Mich. Trailer hitch. 2,507,189, May 9.
Arel, Glenn R., Tulsa, Okla. Universal tire supporting carrier. 2,515,167, July 18.
Areit, Charles, Richmond Hill, N. Y., assignor to American Machine & Foundry Company. Semiautomatic oval cigarette feed. 2,508,210, May 16.
Arenberg, Albert L., Highland Park, R. G. Nordquist, Glen Ellyn, and O. W. Rahn, assignors to Patent License Corporation, Chicago, Ill. Fixture assembly for elongated tubular lamps. 2,533,661, Dec. 12.
Arenberg, David L., Rochester, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Compressional wave delay means. 2,505,515, Apr. 25.
Arenberg, David L., Rochester, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Delay means. 2,512,130, June 20.
Arenco Aktiebolag, assignee: *See*—
Danielsson, Paul.
Nilsson, Johan G.
Arends, Arnold J., Monticello, Iowa. Cow tail holder. 2,516,744, July 25.
Arends, Herman T., Highland Park, Mich. Magazine binder. 2,495,437, Jan. 24.
Arens, Charles A., Chicago, Ill. Manual locking control mechanism. 2,509,202, May 30.
Arens, Charles A., Winamac, Ind. Transmission cable. 2,519,812, Aug. 22.
Arens Controls, Inc., assignee: *See*—
Dreffein, Otto F.
Arens, Joseph F.: *See*—
Van Dorp, David A., and Arens.
Arenstein, Gilbert H., Dayton, Ohio. Transmitter buoy. 2,497,852, Feb. 21.
Arenwald, Mark E., and M. Arenwald, Miami Beach, Fla., and J. W. Flucker, Long Beach, N. Y. Screen and screen mounting. 2,519,168, Aug. 15.
Arenwald, Melvin: *See*—
Arenwald, Mark E. and Melvin, and Flucker.
Areson, Carl W.: *See*—
Shepherd, Harold F., and Areson.
Arey, Fred C.: *See*—
Hibner, De Lois E., and Arey.
Arey, Ralph G., Lynn, Mass. Automobile tire chain and applying the same. 2,524,950, Oct. 10.
Arey, Ralph G., Swampscott, Mass. Swinging blade razor. 2,520,487, Aug. 29.
Arf, Raymond H., and B. G. Beier, Minneapolis, Minn. Rockerless rocking chair. 2,523,894, Sept. 26.
Arff, John H., Portland, Oreg. Spinner. 2,503,607. Apr. 11.

Argue, William: *See*—
Leaders, William M., and Argue.
Arguelles, Frederick S., New York, N. Y., assignor to Seederer-Kohlbusch, Inc., Englewood, N. J. Precision balance. 2,497,428, Feb. 14.
Argus, Incorporated, assignee: *See*—
French, Hobert W., Jr.
Harvey, James E.
Van den Broek, Jan A.
Aries, Robert S., New York, N. Y. Convertible baby carriage. 2,530,592, Nov. 21.
Arieti, Eugene, Springfield, Mass. Creeper for use on icy or other slippery surfaces. 2,493,563, Jan. 3.
Arisman, Mervin B.: *See*—
Budd, Wilbert H., Arisman, and Thompson.
Franks, Albert E., Rawlings, and Arisman.
Vaksvik, Adrian J., and Arisman.
Arkansas Company, Inc., assignee: *See*—
Cook, Alton A., and Sapers.
Cook, Alton A., and Wolf.
Arkay Infants Wear, Inc., assignee: *See*—
Buchler, Ernest.
Arkell Safety Bag Company, assignee: *See*—
Arkell, William C.
Robinson, Francis T.
Arkell, William C., Englewood, N. J., assignor to Arkell Safety Bag Company, New York, N. Y. Composite material. 2,531,931, Nov. 28.
Ark-Les Switch Corporation, assignee: *See*—
Batcheller, Hugh W.
Arko Tool & Die Company: *See*—
Carlson, Gustaf.
Arlington Chair Co., assignee: *See*—
Keough, Patrick J.
Pierson, Raymond G., and Hayes.
Arlington Chemical Company, The, assignee: *See*—
Sabine, David B.
Arliss, Charles R.: *See*—
Richards, Frank A., and Arliss.
Arlow, Robert, Wellington, and A. Young, Hastings, New Zealand, assignors to Oppenheimer Casing Company, Chicago, Ill. Apparatus for scraping animal intestines. 2,526,449, Oct. 17.
Arma Corporation, assignee: *See*—
Agins, George.
Agins, George, and Gittens.
Anderson, Wilmer C.
Davis, Arthur P.
Odin, Eugene.
Arman, Victor M., Clarington, Ohio. Trailer-type motor attachment for bicycles. 2,517,162, Aug. 1.
Armantrout, Kenneth M., Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Lubricating means for transmissions. 2,497,253, Feb. 14.
Armco Steel Corporation, assignee: *See*—
Bloom, Fredrick K.
Carpenter, Victor W.
Clarke, William C., Jr.
Coburn, Kenneth G.
Feild, Alexander L.
Freeze, Jonathan R.
Gifford, Carl E.
Goller, George N.
Hays, Noble E.
Heinse, Leroy C.
Hornak, Regina L., and Halbig.
Jackson, John M.
Jennings, Paul A.
Johnson, Fred N., and Ault.
Mabus, Philip G.
Marshall, Marcus W., and Browning, Jr.
Oppenheimer, Everett W., and Lucas.
Reed, E.
Shafer, George E.
Tanczyn, Harry.
Woods, Arthur P., Jr., and Taylor.
Armelin, Maurice F., assignor to Societe d'Etudes de Machines Spéciales, Paris, France. Mechanism for converting a uniform motion into a variable motion. 2,535,774, Dec. 26.
Armendt, Bradshaw F.: *See*—
Shaffer, Sherman S., and Armendt.
Armentrout, Frances D.: *See*—
Westcott, Marion D., and Armentrout.
Armington, Raymond Q.: *See*—
Double, Walter F., and S. F. and R. Q. Armington.
Armington, Raymond Q., Shaker Heights, assignor to The Euclid Road Machinery Co., Euclid, Ohio. Compaction grader. 2,495,310, Jan. 24.
Armington, Raymond Q., Shaker Heights, and W. F. Double, Wickliffe, assignors to The Euclid Road Machinery Co., Euclid, Ohio. Stabilizing device for articulated vehicles. 2,518,742, Aug. 15.
Armington, Stewart F.: *See*—
Double, Walter F., and S. F. and R. Q. Armington.
Armistead, William H., assignor to Corning Glass Works, Corning, N. Y. Blue glass and making. 2,498,387, Feb. 21.
Armistead, William H., assignor to Corning Glass Works, Corning, N. Y. Optical glass. 2,517,459, Aug. 1.
Armistead, William H., assignor to Corning Glass Works, Corning, N. Y. Ophthalmic glass. 2,523,264, Sept. 26.
Armistead, William H., assignor to Corning Glass Works, Corning, N. Y. Ophthalmic glass. 2,523,265, Sept. 26.
Armistead, William H., assignor to Corning Glass Works, Corning, N. Y. Ophthalmic glass. 2,523,266, Sept. 26.
Armistead, William H., assignor to Corning Glass Works, Corning, N. Y. Soft glass having wide working range. 2,527,693, Oct. 31.
Armistead, William H., assignor to Corning Glass Works, Corning, N. Y. Ophthalmic glass. 2,528,634, Nov. 7.
Armistead, William H., assignor to Corning Glass Works, Corning, N. Y. Colored phosphate glass. 2,532,386, Dec. 5.
Armistead, William H., Jr., assignor to Corning Glass Works, Corning, N. Y. Silver-containing photosensitive glass. 2,515,936, July 18.
Armitage, Frank: *See*—
Cottrell, Jack A., Hewitt, and Armitage.
Armitage, James A.: *See*—
Lynes, John and Armitage.
Armitage, Joseph B., Wauwatosa, assignor to Kearney & Trecker Corporation, West Allis, Wis. Milling machine. 2,499,842, Mar. 7.
Armitage, Joseph B., Wauwatosa, assignor to Kearney & Trecker Corporation, West Allis, Wis. Transmission control mechanism. 2,522,206, Sept. 12.
Armitage, Joseph B., and T. F. Eserkaln, Wauwatosa, and T. A. Wetzel, Milwaukee, assignors to Kearney & Trecker Corporation, West Allis, Wis. Machine tool transmission and control mechanism. 2,497,842, Feb. 14.
Armitage, Joseph B., and T. F. Eserkaln, Wauwatosa, assignors to Kerney & Trecker Corporation, West Allis, Wis. Backlash compensator. 2,498,870, Feb, 28.
Armitage, Joseph B., Wauwatosa, and J. N. Flannery, West Milwaukee, assignors to Kearney & Trecker Corporation, West Allis, Wis. Slotting machine. 2,532,591, Dec. 5.
Armitage, Joseph B., Wauwatosa, and O. W. Barker, Milwaukee, assignors to Kearney & Trecker Corporation, West Allis, Wis. Machine tool control mechanism. 2,533,753, Dec. 12.
Armitage, Ralph A., Kenilworth, Cape Town, Union of South Africa. Reducing iron ores. 2,502,501, Apr. 4.
Armour and Company, assignee: *See*—
Bluhm, Fred A., Hayes, and Zeigler.
Cornwell, Earl D.
Crews, Lowell T.
Fulton, Robert R.
Groeber, Otto W., and McCord.
Harrington, Bertie S.
Hopkins, Ervin W., Jendryaszek, and Coleman.
Howard, Harry A.
Jordan, Wesley A., Shapiro, and Schrager.
Josh, George, and Hull.
Kaiser, Emil, and Svarz.
Keil, Havard L., and Burgess.
Keil, Havard L., and Ingraham.
Koppit, Raymond, and Davis.
Orth, George O., Jr.
Potts, Ralph H.
Potts, Ralph H., and Morris.
Ralston, Anderson W., and Corley.
Ralston, Anderson W., and Harwood.
Ralston, Anderson W., Turinsky, and Christensen.
Ralston, Anderson W., Turinsky, and Van Akkeren.
Sifferd, Robert H.
Sifferd, Robert H., and Porsche.
Toone, Conrad.
Weber, William F.
Whetzell, Glenn H.
Zeigler, Albert H.
Armour Research Foundation of Illinois Institute of Technology, assignee: *See*—
Camras, Marvin.
Ekstein, Hans, and Siegel.
Greenleaf, Leland B.
Greenleaf, Leland B., and Kent.
Leedy, Haldon A., and Camras.
Tinkham, Russell J.
Wiegand, David E.
Arms, Merton H., assignor to Bryant Chucking Grinder Company, Springfield, Vt. High-speed rotor mounting. 2,523,983, Sept. 26.
Arms, Merton H., P. A. Grobey, and H. M. Day, assignors to Bryant Chucking Grinder Company, Springfield, Vt. Nozzle grinding machine. 2,513,228, June 27.
Arms, Merton H., and P. A. Grobey, assignors to Bryant Chucking Grinder Company, Springfield, Vt. Grinding machine. 2,520,267, Aug. 29.
Armstrong, Arthur D., assignor of one-half to P. L. Porter, Los Angeles, Calif. Reclining chair. 2,522,246, Sept. 12.
Armstrong, Charles, Denver, assignor of one-half to G. O. Bedoar, Westwood, Colo. Plumb bob with magnetic point. 2,523,351, Sept. 26.
Armstrong, Charles L., Houston, Tex. Bird call. 2,500,975, Mar. 21.
Armstrong Coalbreak Company, assignee: *See*—
Armstrong, Frank H.
Armstrong, Frank H., and Filstrup.
Armstrong Cork Company, assignee: *See*—
Baymiller, John W.
Berger, John L.
Billmeyer, Bruce R.
Breuer, Frederick W.
Callis, Conral C.
Dill, Charles E.

Armstrong Cork Company, assignee: *See*—Continued.
Eaby, Le Roy.
Gaenzle, Luther E.
Gard, George E.
Hayes, William.
Heckles, John S.
Jones, Wendell W.
Navikas, Victor A.
Neiss, Howard V.
Paschke, Herbert.
Powers, Paul O.
Reehling, Harold A.
Scott, George W., Jr.
Stubblebine, Warren.
Trimble, Elmer R.
Weaver, Harold E., and King.
Weber, Karl H.
Weber, Karl H., and Powers.
Armstrong, Durward, Northport, N. Y. X-ray cassette. 2,530,321, Nov. 14.
Armstrong, Eldon L.: *See*—
Schott, John E., and Armstrong.
Armstrong, Francis J., Syracuse, assignor to United States Hoffman Machinery Corporation, New York, N. Y. Spring filter construction. 2,494,535, Jan. 17.
Armstrong, Francis J., and H. F. Hamlin, Syracuse, assignors to United States Hoffman Machinery Corporation, New York, N. Y. Coolant filter system. 2,494,534, Jan. 17.
Armstrong, Frank H., Chicago, Ill., assignor to Armstrong Coalbreak Company, Benton Harbor, Mich. Air blast device. 2,502,694, Apr. 4.
Armstrong, Frank H., Chicago, Ill., and E. C. Filstrup, Jr., St. Joseph, assignors to Armstrong Coalbreak Company, Benton Harbor, Mich. Gas pressure blasting device. 2,527,291, Oct. 24.
Armstrong, Frank W., Jr.: *See*—
Carpenter, Otis R., and Armstrong.
Armstrong, Frank W., Jr., Barberton, Ohio, assignor to The Babcock & Wilcox Company, Rockleigh, N. J. Clad plate resistance welding. 2,515,176, July 18.
Armstrong, Fullerton G. G., near Dorchester, England. Rapid releasable coupling. 2,499,712, Mar. 7.
Armstrong, George C., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Protective control system. 2,516,538, July 25.
Armstrong, George C., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Inching control system for electric motors. 2,519,216, Aug. 15.
Armstrong, George J., Seminole, Okla. Starter for internal-combustion engines. 2,521,319, Sept. 5.
Armstrong, Harry Y., Syracuse, N. Y. Vibration actuated toy. 2,512,760, June 27.
Armstrong, Henry C., Chicago, Ill. Antiglare device. 2,525,012, Oct. 10.
Armstrong, Jack W., assignor to Food Technology, Inc., Chicago, Ill. Butter flavoring composition. 2,527,785, Oct. 31.
Armstrong, James H.: *See*—
Simmons, Curtis G., and Armstrong.
Armstrong, John, Bayonne, N. J. Token thrown game. 2,509,666, May 30.
Armstrong, Leonard J.: *See*—
De Benneville, Peter L., Armstrong, and Bock.
Armstrong, Noel, Newburgh, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Smooth, mobile polyvinyl chloride coating compositions. 2,507,688, May 16.
Armstrong, Norman F., and J. A. Tweddell, Newcastle-on-Tyne, assignors to The Crown Cork Company Limited, Southall, England. Labeling machine with suction label feed means. 2,503,989, Apr. 11.
Armstrong, Robert W., R. Sardeson, and E. H. Savela, assignors to Pako Corporation, Minneapolis, Minn. Multiple film hanger with film tensioning means. 2,497,429, Feb. 14.
Armstrong, Robert W., R. Sardeson, and E. H. Savela, assignors to Pako Corporation, Minneapolis, Minn. Film loading apparatus. 2,497,430, Feb. 14.
Armstrong Rubber Company, The, assignee: *See*—
Evans, Joseph.
Armstrong, Seymour O., Vancouver, Wash. Weed puller. 2,507,948, May 16.
Armstrong Siddeley Motors Limited, assignee: *See*—
Allen, Sidney.
Clark, Thomas, and Atkins.
Armstrong, Thomas H., assignee: *See*—
Wilson, Lawrence A.
Armstrong, Sir W. G., Whitworth Aircraft Limited, assignee: *See*—
Woodhams, Herbert M., and Lockwood.
Armstrong, Werner E.: *See*—
Brown, Hugh S., Armstrong, and Reichenbach.
Armstrong, Werner E., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Pump. 2,496,688, Feb. 7.
Army, United States of America as represented by the Secretary of the, assignee: *See*—
Barchok, Donald.
Drake, Nathan L., and Eaker.
Kharasch, Morris S.
Kober, William.
Koepfli, Joseph B., Mead and Brockman, Jr.
Marshall, Charles J.
Army, United States of America as represented by the Secretary of the, assignee: *See*—Continued.
Milton, Clare L., Jr.
Newman, Melvin S., and Magerlein.
Arnason, Arni, Park Ridge, Ill. Ellipsograph. 2,496,614, Feb. 7.
Arndt, Charles: *See*—
Harnish, Henry C., Jr., and Arndt.
Arndt, Emil, assignee: *See*—
Wommer, Edwin.
Arndt, John P.: *See*—
Grobowski, Benny T., and Arndt.
Arndt, John P., Jr.: *See*—
Begun, Semi J., and Arndt.
Arndt, John P., Jr., Euclid, and J. E. Shomer, Jr., Berea, assignors to The Brush Development Company, Cleveland, Ohio. Magnetic recording and reproducing. 2,521,623, Sept. 5.
Arndt, John P., Jr., Euclid, C. B. Jones, and S. J. Begun, Cleveland Heights, assignors to The Brush Development Company, Cleveland, Ohio. Magnetic recording and reproducing apparatus. 2,535,478, Dec. 26.
Arndt, Melvin J., deceased, Rochester, N. Y., by M. M. Arndt, administratrix, assignor to Stromberg-Carlson Company. Telephone switchboard mounting plate with plug-in components. 2,512,908, June 27.
Arndt, Mina M., administratrix: *See*—
Arndt, Melvin J.
Arndt, Rudolph P., Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company. Forming hollow cast articles having smooth outer surfaces from thermosetting resins. 2,527,387, Oct. 24.
Arneson, Charles O., Delhi, La. Pneumatic cotton-picking spindle. 2,493,564, Jan. 3.
Arneson, Edwin L., Morris, assignor to Morris Paper Mills, Chicago, Ill. Handle for bottle carrying containers. 2,511,317, June 13.
Arnest, Harry L., Arlington, Va. Trap anchoring and animal drowning stake. 2,513,130, June 27.
Arnett, George A., assignor of one-half to H. S. Williams, Wichita, and one-half to P. E. Dopps, Norton, Kans. Accelerator control device. 2,521,624, Sept. 5.
Arnett, George A., Wichita, Kans. Bottle carrier. 2,525,633, Oct. 10.
Arnett, Leslie, Chicago, Ill., assignor to Square Manufacturing Company. Carbonating and cooling means. 2,519,533, Aug. 22.
Arnett, Roscoe R., Fort Worth, Tex. Winding and setting mechanism for watches. 2,525,510, Oct. 10.
Arnett, Walter F.: *See*—
Miller, William C., and Arnett.
Arnett, William V., Audubon, N. J., assignor to Radio Corporation of America. Multirange wave trap. 2,510,272, June 6.
Arnette, Dale, Granite City, assignor to Key Company, East St. Louis, Ill. Pattern for foundry casting molds. 2,529,647, Nov. 14.
Arnn, Edward T., Colorado Springs, Colo. Indoor football game. 2,517,460, Aug. 1.
Arnold, Arthur B., assignor to Modine Manufacturing Company, Racine, Wis. Heating and ventilating apparatus for motor vehicles. 2,510,790, June 6.
Arnold, Bertrand, Minden, Nebr. Hair cutting guide. 2,510,943, June 13.
Arnold, Charles B., Hempstead, N. Y. Liquid mixer with automatic temperature regulation. 2,525,511, Oct. 10.
Arnold, Charles B., Hempstead, N. Y., and H. F. Lawrence, Philadelphia, Pa., assignors to Consolidated Edison Company of New York, Inc., New York, N. Y. Gaseous fluid distributing system for furnaces and the like. 2,528,292, Oct. 31.
Arnold, Charles L.: *See*—
Deiman, Walter, Arnold, and Tschirgi.
Arnold, Chester L., Berkeley, Calif., assignor to Stauffer Chemical Company. Herbicidal compositions. 2,534,099, Dec. 12.
Arnold, Edgar E.: *See*—
Zenke, Herbert J., and Arnold.
Arnold, Elvin D., Lima, Ohio. Wall guide. 2,534,940, Dec. 19.
Arnold, Frank R., Detroit Lakes, Minn. Storage battery charging system. 2,529,123, Nov. 7.
Arnold, George, Shaker Heights, H. A. Schultz, Garfield Heights, and H. I. Prentice, Beechwood Village, assignors to Cleveland Frog & Crossing Co., Cleveland, Ohio. Switch rod connection to switch point. 2,512,131, June 20.
Arnold, George, Shaker Heights, H. A. Schultz, Garfield Heights, and E. E. Rhoads, Solon, assignors to Cleveland Frog & Crossing Co., Cleveland, Ohio. Rail brace. 2,524,585, Oct. 4.
Arnold, George, Shaker Heights, and H. A. Schultz, Garfield Heights, assignors to Cleveland Frog & Crossing Co., Cleveland Ohio. Rail brace. 2,524,586, Oct. 3.
Arnold, George B.: *See*—
Skelton, William E., and Arnold.
Arnold, George B., Glenham, N. Y., H. V. Hess, Charleston, W. Va., and M. M. Stewart, Somerville, N. J., assignors to The Texas Company, New York, N. Y. Treating the products of synthesis gas conversion. 2,516,940, Aug. 1.
Arnold, George B., and Louis Kovach, Beacon, assignors to The Texas Company, New York, N. Y. Solvent refining of light oils. 2,529,274, Nov. 7.

Arnold, George B., Glenham, and H. V. Hess, Fishkill, assignors to The Texas Company, New York, N. Y. Dethiolizing of hydrocarbons by means of ethylene oxide. 2,530,561, Nov. 21.

Arnold, George B., Glenham, and W. E. Skelton, Beacon, assignors to The Texas Company, New York, N. Y. Refining oil with a solvent. 2,534,383, Dec. 19.

Arnold, Gerald D., Wauwatosa, Wis. Centrifugal cyclone separator. 2,530,112, Nov. 14.

Arnold, Gordon C., Jr., Bristol, Tenn. Right angle constant impedance connector. 2,504,104, Apr. 18.

Arnold, Harold W., Claymont, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Treating a polymeric nitrile with hydrazine. 2,497,526, Feb. 14.

Arnold, Hoffman & Co., Incorporated, assignee: *See*— Morgan, Willard L.

Arnold, James B., and L. J. Dankert, assignors to The Dow Chemical Company, Midland, Mich. Polymeric 2,2,4-trimethyl-tetrahydroquinoline as stabilizer for diene polymers. 2,500,229, Mar. 14.

Arnold, James B., and L. J. Dankert, assignors to The Dow Chemical Company, Midland, Mich. Polymeric 2,2,4-trimethyl-tetrahydroquinoline. 2,500,597, Mar. 14.

Arnold, James J., West Milwaukee, Wis. Lipstick applicator. 2,511,557, June 13.

Arnold, Jay, Monroe, Va. Offset auxiliary high F key for saxophones. 2,522,424, Sept. 12.

Arnold, Joseph G., Chicago, Ill., and W. C. Piggott, Port Arthur, Tex., assignors to Chicago Bridge & Iron Company. Apparatus for projecting circular markings upon nonplanar surfaces. 2,497,853, Feb. 21.

Arnold, Lionel K.: *See*— Sweeney, Orland R., and Arnold. Sweeney, Orland R., Arnold, and Hollowell.

Arnold, Marion L., Long Beach, assignor to Richfield Oil Corporation, Los Angeles, Calif. Apparatus for process control. 2,508,881, May 23.

Arnold, Nicholas H., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Journal box lid. 2,532,436, Dec. 5.

Arnold, Orlan M., Grosse Pointe Park, Mich. Bonding. 2,522,082, Sept. 12.

Arnold, Philip M., Bartlesville, Okla., assignor to Phillips Petroleum Company. Dealkylation of alkyl pyridines. 2,504,172, Apr. 18.

Arnold, Philip M., Bartlesville, Okla., assignor to Phillips Petroleum Company. Production of ethyl alcohol and alkylate. 2,511,810, June 13.

Arnold, Philip M., Bartlesville, Okla., assignor to Phillips Petroleum Company. Production of alkenyl thiophenes. 2,512,596, June 27.

Arnold, Richard T., St. Paul, Minn. Preparing allylic substituted acetic acids. 2,526,108, Oct. 17.

Arnold, Richard T., St. Paul, Minn. Preparing allylic substituted 9-fluorenecarboxylic acids. 2,526,109, Oct. 17.

Arnold, Robert C., assignor of one-half to H. H. Brown, Lima, Ohio. Fish lure. 2,519,338, Aug. 22.

Arnold, Thomas G., Jr., Baltimore, Md., assignor to Bendix Aviation Corporation, South Bend, Ind. Automatic gain control system. 2,500,505, Mar. 14.

Arnoldy, Roman F., Houston, Tex. Oxidation of the hardened inner surface of a pump liner to facilitate its removal from the liner. 2,494,791, Jan. 17.

Arnot, Alfred E. R., assignor to J. E. Shay Limited, London, England. Electrical cooking and like appliances. 2,497,753, Feb. 14.

Arnow, Nathan: *See*— Trimm, Ernest L., and Arnow.

Arnt, Herald P., Litchfield, Mich. Slicing machine, including spaced disk cutters and rotary feeder. 2,506,985, May 9.

Arntzen, Clyde E.: *See*— Seidel, Martin P., Swiss, and Arntzen.

Arnulf, Albert, assignor to Institut D'Optique Theorique et Appliquee, Paris, France. Refractometer. 2,502,913, Apr. 4.

Aro Equipment Corporation, The, assignee: *See*— Fitch, Clifford E. Ginter, Charles W. Johnson, James P.

Aroeste, Sylvia, New York, N. Y. Waterproof foot covering with tongue extension. 2,496,142, Jan. 31.

Aron, Walter A., Cambridge, C. H. Davis, East Boston, and L. M. Hollingsworth, Cambridge, Mass, assignors, by mesne assignments, to the United States of America as represented by the Secretary of War. Wave guide coupling. 2,521,818, Sept. 12.

Aronberg, Lester, Chicago, Ill. Protective coating compositions. 2,507,239, May 9.

Aronson, Alexander H., South Orange, assignor to Ronson Art Metal Works, Inc., Newark, N. J. Lighter casing construction. 2,505,167, Apr. 25.

Aronson, Charles N., Arcade, N. Y. Flow regulator. 2,504,063, Apr. 11.

Aronstein, Joseph and M., New York, N. Y., and J. A. Solomon, Hampton, Va. Multicolor printing on flocked area of fabric. 2,533,985, Dec. 12.

Aronstein, Mitchell: *See*— Aronstein, Joseph and M., and Solomon.

Arpin, John W., Verona, N. J. Water pistol. 2,527,614, Oct. 31.

Arps, Bruno F., New Holstein, Wis. Hydraulic control valve. 2,506,008, May 2.

Arps, Bruno F., assignor to Arps Corporation, New Holstein, Wis. Dump scoop. 2,517,163, Aug. 1.

Arps, Bruno F., New Holstein, Wis. Two-speed hydraulic ram. 2,517,164, Aug. 1.

Arps Corporation, assignee: *See*— Arps, Bruno F.

Arps, Frederick B., New Holstein, Wis. Dirt and snow mover. 2,493,565, Jan. 3.

Arps, Jan J., Tulsa, Okla. Apparatus for logging wells. 2,524,031, Oct. 3.

Arquet, Maurice, Paris, and P. Charpentier, Choisy-le-Roi, assignors to Societe des Usines Chimiques Rhone-Poulenc, Paris, France. Preparation of aryl sulfonyl thioureas. 2,498,782, Feb. 28.

Arrighini, Artil, Detroit, and G. A. Van Sickle, Mount Clemens, Mich. Form for composite walls having a sill. 2,511,829, June 20.

Arrighini, Artil, Detroit, and G. A. Van Sickle, Mount Clemens, Mich. Prefabricated wall form. 2,526,529, Oct. 17.

Arrow Fastener Co., assignee: *See*— Berger, George.

Arrow Fastener Co., Inc., assignee: *See*— Boroughs, Frank S.

Arrow-Hart & Hegeman Electric Company, The, assignee: *See*— Bentley, Robert H. Dietrich, Walter L. Galt, Paul T., Jr. Gates, Rowland F. Johnson, David W. Schleicher, Harold E.

Arrow Laboratories, Inc., assignee: *See*— Eichwald, Eric.

Arrowhead Rubber Co., assignee: *See*— Greenwald, Fred A., and Wurtz.

Arson, Samuel L., assignor to J. H. Cannon, Los Angeles, Calif. Connector. 2,502,302, Mar. 28.

Arson, Samuel L., Glendale, and R. J. Cannon, assignors to Cannon Electric Development Company, Los Angeles, Calif. Electrical connector. 2,502,303, Mar. 28.

Artcrest Manufacturing Corporation, assignee: *See*— Meagher, William D.

Arter Grinding Machine Company, assignee: *See*— Arter, Harry, and Fraser.

Arter, Harry, Worcester, and W. F. Fraser, Westboro, assignors to Arter Grinding Machine Company, Worcester, Mass. Cross-feed mechanism for grinding machines. 2,535,997, Dec. 26.

Arter, Jakob, Oberengstringen, Switzerland, assignor, by mesne assignments, to Olkon Research Corporation, New York, N. Y. Speed variator. 2,535,028, Dec. 26.

Arth, Glen E.: *See*— Harris, Stanton A., Arth, Hoffman, and Folkers.

Arthur, Frank C., Topeka, Kans. Dark tank with temperature control for continuous films. 2,495,049, Jan. 17.

Arthur, Jett C., Jr., Metairie, La., assignor to the United States of America as represented by the Secretary of Agriculture. Stabilization of viscous dispersions of cottonseed proteins. 2,531,383, Nov. 28.

Arthur, Jett C., Jr., New Orleans, La., assignor to the United States of America as represented by the Secretary of Agriculture. Manufacture of peanut protein. 2,529,477, Nov. 14.

Arthur, Oscar F., Connellsville, Pa. Pallet. 2,530,752, Nov. 21.

Arthur, Oscar F., Connellsville, Pa. Crate. 2,530,797, Nov. 21.

Arthur, Richard P., Des Plaines, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Dial transmitter with removable number plate and means for adjusting the main spring. 2,503,538, Apr. 11.

Arthur, Robert A., Santa Monica, assignor to The Garrett Corporation, Aireseareh Manufacturing Company division, Los Angeles, Calif. Flow control valve. 2,498,194, Feb. 21.

Arthur, Robert A., Santa Monica, assignor to The Garrett Corporation, Los Angeles, Calif. Differential and ratio control. 2,498,633, Feb. 28.

Arthur, Robert A., Santa Monica, and J. M. Kemper, Hollywood, assignors to The Garrett Corporation, Los Angeles, Calif. Regulator. 2,531,100, Nov. 21.

Artistic Beauty Products Company, assignee: *See*— Semco, William B.

Artkraft Manufacturing Corporation, assignee: *See*— Money, Roland H.

Artley, Wayne C., Des Moines, Iowa. Skirt hanger. 2,515,544, July 18.

Art Metal Construction Company, assignee: *See*— Bloomstran, Floyd H. Clark, Floyd H., Hager, and Larson. Jones, James R. Jones, James R., and Bloomstran. Jones, James R., and Larson.

Artos Engineering Company, assignee: *See*— Andren, Karl H.

Artz, Neal E., Oak Park, Ill., assignor to Corn Products Refining Company, New York, N. Y. Production of alkali metal phytates. 2,497,062, Feb. 14.

Artz, Neal E., Oak Park, Ill., assignor to Corn Products Refining Company, New York, N. Y. Production of alkali metal phytates. 2,497,063, Feb. 14.

Artzt, Maurice, Princeton, N. J., assignor to Radio Corporation of America. Facsimile phasing system. 2,522,919, Sept. 19.

Artzt, William W., New Rochelle, N. Y., assignor to Lisle Mills, Inc., Allentown, Pa. Wearing apparel. 2,519,534, Aug. 22.

Artzt, William W., New Rochelle, and M. Rubinoff, New York, N. Y. Tag seal. 2,517,376, Aug. 1.

Arundale, Erving: *See*—
Banes, Fred W., and Arundale.
Rosen, Raphael, and Arundale.

Arundale, Erving, Westfield, N. J., assignor to Standard Oil Development Company. Emulsion polymerization process. 2,494,326, Jan. 10.

Arutunoff, Armais, Bartlesville, Okla. Side drill with slotted guide tube. 2,500,785, Mar. 14.

Arvastsson, Otto A., Malmo, Sweden. Carburetor. 2,531,661, Nov. 28.

Arvey Corporation, assignee: *See*—
Jacobson, Morris.
Johnson, Arnold E.
Johnson, Jerome A.
Roach, Earl M.

Arvidson, Bengt A., Villa Park, and W. C. Ruth, Des Plaines, assignors to Miller Wrapping & Sealing Machine Co., Chicago, Ill. Gummed tape dispenser. 2,506,262, May 2.

Arvidsson, Algot, Ludvika, assignor to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Arrangement for starting lighting regulation on dimmer control in stage lighting. 2,504,619, Apr. 18.

Arvidsson, Algot, Ludvika, assignor to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Lighting control. 2,529,989, Nov. 14.

Arvin Industries, Inc., assignee: *See*—
Booth, Earl C.

Arvins, Nathan A.: *See*—
Arvintz, Abraham A., Arvins, and R. A. Arvintz.

Arvins, Nathan A., and A. A. Arvintz, Brooklyn, N. Y., assignors to Blazel Corporation. Preheater. 2,530,798, Nov. 21.

Arvintz, Abraham A.: *See*—
Arvins, Nathan A., and Arvintz.

Arvintz, Abraham A., and N. A. Arvins, Brooklyn, and R. A. Arvintz, New York, assignors to Reliable Products Manufacturing Co., Inc., Brooklyn, N. Y. Paint preheater. 2,521,960, Sept. 12.

Arvintz, Abraham A., and N. A. Arvins, Brooklyn, and R. A. Arvintz, New York, assignors to Sanicom Company, Inc., Brooklyn, N. Y. Paint preheating and spraying apparatus. 2,530,799, Nov. 21.

Arvintz, Robert A.: *See*—
Arvintz, Abraham A., Arvins, and R. A. Arvintz.

Arwood, Samuel B., Baltimore, Md. Toothbrush handle and head construction. 2,511,235, June 13.

Asaro, Anthony L., San Francisco, and J. E. Bileci, Monterey, Calif. Fish unloading apparatus. 2,512,194, June 20.

Asaro, Vito, assignor to L. A. Young Spring & Wire Corporation, Detroit, Mich. Spring structure. 2,532,875, Dec. 5.

Asbridge, Edmund M.: *See*—
Tranter, Watson W., Asbridge, and Hollinger.

Asbridge, George H., assignor to The Churchill Machine Tool Company Limited, Altrincham, England. Precision grinding machine. 2,526,796, Oct. 24.

Asche, Robert, and J. J. Hubscher, Neuilly sur Seine, France. Electromagnetic artificial muscle. 2,532,876, Dec. 5.

Aschenbrenner, Claus, Malden, Mass., U. K. Heidelauf and H. R. Mestwerdt, Dayton, and B. K. Wernicke, Trotwood, Ohio. Gyro-stabilized aerial camera mount. 2,523,267, Sept. 26.

Ascherin, Hugo J.: *See*—
Seaman, Harry J., and Ascherin.

Ascoli, Enzo, Sainte-Croix, Switzerland, assignor to Paillard S. A. (Paillard A. G., Paillard Limited). Automatic phonograph tripping mechanism. 2,517,165, Aug. 1.

Asdell, Bernard K.: *See*—
Barrett, William H., and Asdell.

Asder, John K., Los Angeles, Calif. Switch. 2,507,949, May 16.

Ash, Charles S., Milford, Mich. Vehicle wheel. 2,501,018, Mar. 21.

Ash, Charles S., Milford, Mich. Dual wheel mounting. 2,507,134, May 9.

Ash, Charles S., Milford, Mich. Dual wheel. 2,507,876, May 16.

Ash, Charles S., Milford, Mich. Vehicle wheel. 2,509,052, May 23.

Ash, Charles S., Milford, Mich. Dual wheel. 2,511,144, June 13.

Ash, Charles S., Milford, Mich. Expansion brake, including balanced actuating mechanism. 2,512,049, June 20.

Ash, Charles S., Milford, Mich. Housing for drive gearing in a dual wheel assembly. 2,512,050, June 20.

Ash, Charles S., Milford, Mich. Dual wheel assembly. 2,525,512, Oct. 10.

Ash, Charles S., Milford, Mich. Vehicle wheel. 2,533,707, Dec. 12.

Ash, Charles S., San Francisco, Calif. Recovering soluble solids from fruit waste. 2,530,322, Nov. 14.

Ash, James W., Windsor, Ontario, Canada. Fish landing device. 2,515,685, July 18.

Ashaway Line & Twine Mfg. Co., assignee: *See*—
Moe, Herman.
Welch, Herbert L.

Ashbaugh, Bernard D., Mount Gilead, Ohio, assignor to H-P-M Development Corporation, Wilmington, Del. Molding press. 2,526,797, Oct. 24.

Ashburn, Harry V., Waynesburg, Pa., R. S. Barnett, Beacon, and O. P. Puryear, Fishkill, assignors to The Texas Company, New York, N. Y. Lubricating grease composition. 2,508,741, May 23.

Ashby, Carl T., and C. A. Miller, Evansville, Ind., assignors to Servel, Inc., New York, N. Y. Refrigeration. 2,504,784, Apr. 18.

Ashcraft, Ernest G., Chicago, Ill., assignor to Iva Coryne Davidson, Hollywood, Calif. Automatic fire extinguishing device. 2,497,286, Feb. 14.

Ashcraft, Ernest G., Chicago, Ill. Coffee filter. 2,517,825, Aug. 8.

Ashcraft, Harry R., Edgewood, Md. Plant duster. 2,530,039, Nov. 14.

Ashcraft, Jacob O., Buffalo, assignor to Allied Chemical and Dye Corporation, New York, N. Y. Preparation of esters of dichlorosuccinic acid. 2,527,345, Oct. 24.

Ashcroft, Donald G.: *See*—
Pearson, John D., and Ashcroft.

Ashe, John E., Crockett, assignor to California and Hawaiian Sugar Refining Corporation, Ltd., San Francisco, Calif. Bag-closing apparatus. 2,514,620, July 11.

Ashenfelter, William, Swanton, Ohio. Scaffold structure. 2,496,082, Jan 31.

Asher, Ben C.: assignee: *See*—
Herrmann, Charles.

Asher, Hobert J., Bristow, Okla. Hose construction. 2,528,409, Oct. 31.

Asher, Jerry, assignee: *See*—
Isabelle, Henry J., Sr.

Asheville Mica Company, assignee: *See*—
Carrier, Ralph A., Jr., and Davis.

Ashland Rubber Products Corporation, assignee: *See*—
Morr, Bert L., Butts and Walters.

Ashleman, Adolph E., Waco, Tex. Dice agitating game device. 2,511,092, June 13.

Ashley, Carlyle M., assignor to Carrier Corporation, Syracuse, N. Y. Self-contained air conditioning unit. 2,535,775, Dec. 26.

Ashley, Cecil W., El Centro, Calif. Vehicle door lock mechanism. 2,507,328, May 9.

Ashley, Donald S., assignee: *See*—
Weaver, William H.

Ashlock, George W., Jr. Oakland, Calif. Feeding of cherries having stems attached. 2,528,293, Oct. 31.

Ashlock, George W., Jr., Oakland, Calif. Fruit pitting chuck. 2,528,294, Oct. 31.

Ashman, Herbert W., Hale, England, assignor to Keasbey & Mattison Company, Ambler, Pa. Building unit and cavity roof or wall made therefrom. 2,525,059, Oct. 10.

Ashton, Benjamin N., and E. V. Barkow, assignors to Electrol Incorporated, Kingston, N. Y. Valve for hydraulic brake systems. 2,502,118, Mar. 28.

Ashton, Benjamin N., and W. B. Westcott, Jr., assignors to Electrol Incorporated, Kingston, N. Y. On-off check valve. 2,524,952, Oct. 10.

Ashton, Benjamin N., assignor to Electrol Incorporated, Kingston, N. Y. Plunger actuated valve. 2,506,128, May 2.

Ashton, Benjamin N., assignor to Electrol Incorporated, Kingston, N. Y. Slide valve. 2,506,129, May 2.

Ashton, Benjamin N., assignor to Electrol Incorporated, Kingston, N. Y. Power pack unit. 2,517,377, Aug. 1.

Ashton, Benjamin N., assignor to Electrol Incorporated, Kingston, N. Y. Check valve. 2,524,951, Oct. 10.

Ashton, Everett H.: *See*—
Lake, Francis G., and Ashton.
Mallard, Robert G., and Ashton.
Rinne, John, Ashton, Mallard, and Kielczewski.
Rinne, John, Ashton, Mallard, and Lake.

Ashton, Everett H., assignor to The M. W. Kellogg Company, Jersey City, N. J. Shuttle box plate. 2,493,611, Jan. 3.

Ashton, Everett H., assignor to The M. W. Kellogg Company, Jersey City, N. J. Picker stick guide. 2,496,368, Feb. 7.

Ashton, Everett H., Jersey City, E. A. Mastriani, Newark, N. J., and R. G. Mallard, assignors to The M. W. Kellogg Company, New York, N. Y. Protection motion. 2,522,594, Sept. 19.

Ashton, Philip E., assignor to The Cuno Engineering Corporation, Meriden, Conn. Electric cigar lighter. 2,531,901, Nov. 28.

Ashton, Richard A., assignor to Seneca Falls Machine Company, Seneca Falls, N. Y. Compensating chuck with unobstructed axial passage. 2,521,320, Sept. 5.

Ashton, Willard A., assignor to Western Harness Racing Association, Los Angeles, Calif. Harness race starting gate. 2,526,060, Oct. 17.

Ashwood, Norman D., Victoria, British Columbia, Canada. Tow glider release. 2,520,620, Aug. 29.

Ashworth, David R.: *See*—
Midgley, Albert H., and Ashworth.

Ashworth, Handel, and F. P. Healy, Baldwin, N. Y. Self-basting frying pan. 2,499,083, Feb. 28.

Ashworth, Harry E., Penn Township, Allegheny County, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electromagnet with balanced armature. 2,510,305, June 6.

Askania Regulator Company, assignee: *See*—
Glass, Paul.
Glass, Paul, and Prem.
Stewart, Ralph B.
Ziebolz, Herbert.

Aske, Irving E., Ludington, Mich. Electric iron. 2,512,220, June 20.

Aske, Leonard E., Minneapolis, Minn., assignor to General Mills, Inc. Section for stator cores for induction motors. 2,495,218, Jan. 24.

Aske, Vernor H., Huntington Station, N. Y., assignor to Sylvania Electric Products Inc. Tuning unit. 2,516,287, July 25.

Askren, Lee T., assignor to Eastman Kodak Company, Rochester, N. Y. Shutter for motion-picture apparatus. 2,529,896, Nov. 14.

Asker, Gösta F., Stockholm, Sweden, assignor to International Standard Electric Corporation, New York, N. Y. Electric discharge tube. 2,495,681, Jan. 31.

Aslesen, William C., Minneapolis, Minn. Apparatus for treating peat. 2,507,492, May 16.

Asmussen, Jes, Appleton, assignor to Marathon Corporation, Rothschild, Wis. Cutting, punching, blanking, and the like. 2,522,154, Sept. 12.

Aspeek, Reginald J., East Ham, assignor to Coborn Engineering Company Limited, Barkingside, Essex, England. Power-operated hand tool for scraping and feathering. 2,503,539, Apr. 11.

Aspegren, Carl, New York, N. Y. Power take-off. 2,502,914, Apr. 4.

Aspelin, Leslie L.: *See*—
Roth, Jay M., and Aspelin.

Aspenwall, Carl, Chicago, Ill., V. C. Smith and W. Mathis, assignors to The Eagle Lock Company, Terryville, Conn. Deadlocking spring latch for doors. 2,517,378, Aug. 1.

Asperger, Harry H., Sr.: *See*—
Wilcox, Robert E., and Asperger.

Aspin, Arthur W., assignor to American Bantam Car Company, Butler, Pa. Door hinge. 2,494,682, Jan. 17.

Aspin, Arthur W., assignor to American Bantam Car Company, Butler, Pa. Vehicle spring suspension. 2,494,683, Jan. 17.

Aspin, Frank M., Bury, England. Lubrication system. 2,526,450, Oct. 17.

Aspinwall, William B., Spokane, Wash. Fertilizer distributor. 2,496,573, Feb. 7.

Assada, Marc A. E., assignee: *See*—
Benard, Lucette.

Asselin, Arthur N., Fall River, Mass. Vacuum relief valve. 2,505,376, Apr. 25.

Associated British Engineering Limited, assignee: *See*—
Faulkner, Thomas H.

Associated Development & Research Corporation, assignee: *See*—
Prehn, Henri.
Wallach, Irving D.
Wallach, Robert S.
Wallach, Robert S. and I. D.

Associated Engineers, Inc., assignee: *See*—
Keller, William E.
Long, James M.

Associated Folding Box Co., assignee: *See*—
Perilli, Louis.

Associated Industries, Inc., assignee: *See*—
Jenkins, James L.

Associated Manufacturers and Distributors Corp., assignee: *See*—
Landman, James D.

Asta, David N., Port Chester, N. Y. Roll-type electric iron. 2,522,247, Sept. 12.

Astatic Corporation, The, assignee: *See*—
Chorpening, Creed M.

Aston, Cecil P. T., Bukuru, and C. Wildi, Rayfield, Northern Nigeria. Apparatus for jet mining and excavating. 2,518,591, Aug. 15.

Aston, Royden N., Lewiston, N. Y., assignor to Mathieson Chemical Corporation. Repressing the generation of chlorine dioxide. 2,526,839, Oct. 24.

Astphan, Alfred, Joliette, Quebec, Canada. Pressing machine. 2,525,111, Oct. 10.

Astrol Products, Inc., assignee: *See*—
Melnick, Daniel.

Astrove, Joseph, New Rochelle, N. Y. Child's suit. 2,520,300, Aug. 29.

Atanasoff, John V., Silver Spring, Md., and L. H. Kaltenberger, Wichita Falls, Tex. Method and apparatus for cutting fusible fabrics. 2,535,029, Dec. 26.

Atchison, Arreather R., Detroit, Mich. Television aerial. 2,532,138, Nov. 28.

Atchley, Lela F., Oklahoma City, Okla. Hose supporter. 2,530,850, Nov. 21.

Ateliers De Constructions De La Seine, assignee: *See*—
Hubert, Emile J. M.

Ateliers de Constructions Electriques de Charlerol, assignee: *See*—
Meunier, Marcel.

"Ateliers de Constructions Electriques de Delle," Societe Anonyme, assignee: *See*—
Fernier, Bernard M. H. P.

Ateliers Neyret-Beylier & Piccard-Pictet, assignee: *See*—
Danel, Pierre F.

Atherton, Albert H.: *See*—
Broadway, Leonard F., and Atherton.

Atherton, Archie P., Alexandria, Va. Weighing device for suitcases. 2,518,973, Aug. 15.

Atherton, Herschel L.: *See*—
Ryan, Commodore D., Sager, Bergmark and Atherton.

Athey Products Corporation, assignee: *See*—
MacDonald, Raymore D.

Athy, Clifford R., assignor to International Derrick & Equipment Co., Columbus, Ohio. Well-drilling rig. 2,505,088, Apr. 25.

Athy, Clifford R., C. R. Konkle, and E. H. Munro, assignors to International Derrick & Equipment Company, Columbus, Ohio. Portable derrick structure. 2,505,087, Apr. 25.

Atkeson, Florian V., Springdale, Pa. Fractionating vapors. Re. 23,245, July 4.

Atkins, Allen L., Chicago, Ill. Electric pyrographic instrument. 2,498,328, Feb. 21.

Atkins, Carl E.: *See*—
Furedy, Frank, and Atkins.

Atkins, Carl E., Elgin, Ill., assignor to Tung-Sol Lamp Works, Inc., Newark, N. J. Secret signaling system. 2,530,140, Nov. 14.

Atkins, Carl E., Elgin, Ill., assignor to Tung-Sol Lamp Works, Inc., Newark, N. J. Electronic distance indicator and the like. 2,530,141, Nov. 14.

Atkins, Carl E., Elgin, Ill., assignor to Tung-Sol Lamp Works, Inc., Newark, N. J. Secret signaling system. 2,530,142, Nov. 14.

Atkins, E. C., and Company, assignee: *See*—
Wolfe, Charles V.

Atkins, George E., Glen Ridge, and E. D. Mead, Caldwell, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Control knob device. 2,502,915, Apr. 4.

Atkins, John H. C.: *See*—
Clark, Thomas, and Atkins.

Atkins, S. Lawrence, assignee: *See*—
Murphy, Arthur J.

Atkins, Samuel L.: *See*—
Gedat, Curt R., Schimmel, and Atkins.

Atkins, Thomas R., Saugus, assignor of one-half to L. L. Witter, Boston, Mass. Tipped cigarette. 2,493,436, Jan. 3.

Atkinson, Elmer L., Modesto, Calif. Shock forming implement. 2,500,976, Mar. 21.

Atkinson, James D., Jr., assignor to Buckeye Cotton Oil Company, Memphis, Tenn. Apparatus for purifying raw cotton linters. 2,504,944, Apr. 18.

Atkinson, Ralph G., Maple Heights, assignor to The Standard Oil Company, Cleveland, Ohio. Continuous wax molding process. 2,532,280, Dec. 5.

Atkinson, Ralph L.: *See*—
Staunton, LeRoy, Atkinson, and Hopkins.

Atkinson, Ralph L., Hinsdale, and E. J. Hopkins, assignors to United Wallpaper, Inc., Chicago, Ill. Moisture removing apparatus. 2,526,189, Oct. 17.

Atlanta Metallic Casket Co., assignee: *See*—
Miles, Paul E.

Atlanta Paper Company, assignee: *See*—
Ligon, Harry W.

Atlantic Carton Corporation: *See*—
Whitehead, Earl B.

Atlantic Development Company, assignee: *See*—
De Lancey, Warren H.

Atlantic Development Corporation Limited, The, assignee: *See*—
Reeves, Frank K.

Atlantic Optical Products, Inc., assignee: *See*—
Hurst, Alonzo.

Atlantic Refining Company, The, assignee: *See*—
Benke, Roy.
Ferris, Seymour W., Lamson, and Smith.
Heiligmann, Randall G.
Hunter, James B.
McCullough, James H.
McGrogan, John F.
Ramser, John H.
Savin, James W., and Neithammer.
Slobod, Robert L.
Turner, William R., and Heiligmann.
Woodcock, Charles H., and Stinger.
Young, William S.

Atlas, Arthur, Leicester, England. Welt construction for shoes and boots. 2,526,925, Oct. 24.

Atlas, Arthur, Leicester, England. Manufacturing shoes. 2,526,926, Oct. 24.

Atlas Bolt & Screw Company, The, assignee: *See*—
Schellentrager, Eugene W.

Atlas Floor Surfacing Machinery Corp., assignee: *See*—
Okun, Nathaniel N.

Atlas Imperial Diesel Engine Co., assignee: *See*—
Laxo, Ed.
Waters, Laurence W.

Atlas Materials Incorporated, assignee: *See*—
Mathers, Edward S.

Atlas Powder Company, assignee: *See*—
Brandner, John D.
Brown, Kenneth R.
Hales, Ralph A.
Huyett, Daniel D.
Jefferson, George D., and Fine.
McGirr, Robert.
Power, James T.

Atlas Press Company, assignee: *See*—
Collins, James G.
Musselman, Henry E.

Atlas Supply Company, assignee: *See*—
Folk, Irvin W.

Atlas Valve Company, assignee: *See*—
Davis, Verner F.

Atlee, Zed J., Des Plaines, and D. W. Dunk, Lincolnwood, assignors to Dunlee Corporation, Chicago, Ill. Getter for induction flashing. 2,502,070, Mar. 28.

Atols, John M., Chicago, Ill. Dental floss holder. 2,516,539, July 25.

Atomic Energy Commission, United States of America as represented by the, assignee: *See*—
Brandegee, Morris M.
McKibben, Joseph L.

Attenborough, William, Beeston, assignor to F. W. Radford, Chilwell, England. Warp beam. 2,496,844, Feb. 7.

Atterbury, Grosvenor, assignor to Precast Building Sections, Inc., New York, N. Y. Apparatus and method for filling molds. 2,533,986, Dec. 12.

Atteslander, Edouard, assignor to Sulzer Freres, Societe Anonyme, Winterthur, Switzerland. Fluid operated propeller pitch controlling mechanism. 2,513,546, July 4.

Attick, Purdy E., Chicago, Ill. Adjustable book and magazine holder. 2,501,019, Mar. 21.

Attorney General of the United States, Vested in the: *See*—
Anxionnaz, René and Imbert.
Delloye, Andre L. C.
Fieux, Jean.
Frederichs, Georg G.
Issaly, Raoul M. L.
Kurtz, Peter.
Leboime, René, and Jacqueau.
Michael, Wilhelm, Goehre, Free, Fuener, and Schneider.
Mossin, Georg B.
Nemetz, Gustav.
Oriol, Ramon.
Rinke, Heinrich, Schild, and Siefken.
Riszdorfer, Laszlo.
Sarazin, Robert.
Sédille, Marcel H. L.
Simon, Victor.
Weston, Herbert.
Zipper, Emil.

Attridge, Richard B., Los Angeles, Calif. Adjustable jigsaw puzzle frame. 2,506,189, May 2.

Attwell, James F., Seattle, Wash., assignor to Windolph Tractor Company, Portland, Oreg. Garden tractor. 2,535,254, Dec. 26.

Atwell, Clarence A., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Commutator cap construction. 2,519,217, Aug. 15.

Atwell, Clarence A., and R. H. Wagner, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Compensating coil. 2,530,932, Nov. 21.

Atwell, Harold V., Beacon, assignor to The Texas Company, New York, N. Y. Synthesis of hydrocarbons. 2,534,395, Dec. 19.

Atwell, Harold V., Beacon, assignor to The Texas Company, New York, N. Y. Synthesizing gasoline and the like. 2,535,343. Dec. 26.

Atwood, Arthur E., Raymond, Alberta, Canada. Stretcher. 2,503,314, Apr. 11.

Atwood, Clarence E., Mount Prospect, assignor, by mesne assignments, to Huber Manufacturing Co., Chicago, Ill. Control circuit for high surge currents. 2,519,535, Aug. 22.

Atwood, Frank C., Long Beach, Calif. Copyholder. 2,528,990, Nov. 7.

Atwood, James T., and A. Johnson, assignors to The Atwood Vacuum Machine Company, Rockford, Ill. Clothesline reel. 2,523,268, Sept. 26.

Atwood, John B.: *See*—
Schock, Robert E., Atwood, Peterson and Hansell.

Atwood, John B., and R. E. Schock, Riverhead, N. Y., assignors to Radio Corporation of America. Triggering circuit. 2,511,093, June 13.

Atwood, John B., and F. J. W. Schoenborn, Riverhead, N. Y., assignors to Radio Corporation of America. Radio frequency shielded switch. 2,498,907, Feb. 28.

Atwood, John B., and G. E. Hansell, Riverhead, N. Y., assignors to Radio Corporation of America. Pulse communication system. 2,525,634, Oct. 10.

Atwood, John B., and G. E. Hansell, Riverhead, N. Y., assignors to Radio Corporation of America. Pulse identification. 2,531,494, Nov. 28.

Atwood, Lyle C., and A. Johnson, assignors to Atwood Vacuum Machine Company, Rockford, Ill. Bicycle stabilizer. 2,530,498, Nov. 21.

Atwood, Newell A., U. S. Navy, Bethesda, Md. Radio communication graphic calculator. 2,494,536, Jan. 17.

Atwood Vacuum Machine Company, assignee: *See*—
Atwood, Lyle C., and Johnson.
Kutil, Clyde R.

Atwood Vacuum Machine Company, The: assignee: *See*—
Atwood, James T., and Johnson.

Atwood, Wilfrid L., Jefferson County, assignor to The Girdler Corporation, Louisville, Ky. High-frequency treating system for dielectric materials. 2,504,955, Apr. 25.

Atwood, Wilfrid L., Newton Lower Falls, Mass., assignor to The Girdler Corporation, Louisville, Ky. Combined heating electrode and variable capacitor for dielectric heating. 2,504,956, Apr. 25.

Aube, Peter R., Mineola, N. Y. Doll and means for changing the features thereof. 2,507,394, May 9.

Aubert, Fred B., Detroit, Mich. Snap acting device. 2,521,277, Sept. 5.

Aubert, Roger, Paris, France, assignor to Societe Francaise Radio Electrique. Frequency modulating system. 2,499,014, Feb. 28.

Aubert, Roger, Paris, France, assignor to Societe Francaise Radio Electrique. Arrangement for secret radio telephony. 2,509,716, May 30.

Aubin, Gerald C., Burlington, Vt. Aligning device. 2,493,332, Jan. 3.

Auburn, Basil J.: *See*—
Harding, William R., and Auburn.

Auburn Machine Works, Inc., assignee: *See*—
Schmidt, Friedrich J.

Auburn Research Foundation, assignee: *See*—
Harris, Hubert, and Ware.

Auburn Rubber Corporation, assignee: *See*—
Norton, James H.

Auchincloss, Reginald, assignee: *See*—
Levitz, Meyer.

Auchincloss, Ruth C., assignee: *See*—
Levitz, Meyer.

Auchter, Richard J., Appleton, assignor to Paper Patents Company, Neenah, Wis. Manufacturing a fibrous sheet covered plywood. 2,497,712, Feb. 14.

Audemar, Pierre, La Garenne-Colombes, France, assignor to Olaer Patent Cy, Luxemburg (Duchy of Luxemburg), and Compagnie Generale pour l'Equipement Aeronautique, Paris, Seine, France. Locking device for pressure fluid motors. 2,515,287, July 18.

Audet, Alfred J., Providence, R. I. Combination oil cooler and air conditioning device for automotive vehicles. 2,531,019, Nov. 21.

Audiscope Corporation, assignee: *See*—
Tatnall, Joseph S.

Auer, George A., Chicago, Ill. Liquid separating apparatus. 2,513,836, July 4.

Auer, Laszlo, South Orange, N. J. Coating material emulsions. 2,530,370, Nov. 21.

Auer, Wilhelm, Irondequoit, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Mounting for reading glasses or the like. 2,532,877, Dec. 5.

Auerbach, Isaac L., U. S. Navy. Electrical connector. 2,510,944, June 13.

Auerbach, Zemach, Bronx, N. Y. Razor with means for reconditioning the cutting edges of razor blades. 2,530,499, Nov. 21.

Aufiero, John M., Plandome, assignor to E. A. Laboratories, Inc., Brooklyn, N. Y. Heater. 2,495,883, Jan. 31.

Aufiero, John M., Plandome, assignor to E. A. Laboratories, Inc., Brooklyn, N. Y. Combined electric fan and heater. 2,504,785, Apr. 18.

Aufiero, John M., Plandome, assignor to E. A. Laboratories, Inc., Brooklyn, N. Y. Portable space heater. 2,506,408, May 2.

Augenstein, August W., Pforzheim, Germany. Plural pencil with slidable lead carriers. 2,526,990, Oct. 24.

Augenstein, Karl C., Cranston, assignor to Speidel Corporation, Providence, R. I. Expansion bracelet. 2,515,817. July 18.

Augenstein, Karl C., Cranston, assignor to Speidel Corporation, Providence, R. I. Wrist watch connector. 2,530,800, Nov. 21.

Aughey, Clarence L., and L. V. McCarty, assignors to Automatic Products Company, Milwaukee, Wis. Pressure limiting thermostatic expansion valve. 2,505,933, May 2.

Aughey, Clarence L., and L. V. McCarty, assignors to Automatic Products Company, Milwaukee, Wis. Capillary refrigerant control, including dehydrator. 2,505,934, May 2.

Aughey, Clarence L., and L. V. McCarty, assignors to Automatic Products Company, Milwaukee, Wis. Refrigerant expansion valve. 2,520,191, Aug. 29.

Aughey, George A., Lime, Oreg. Weed and stubble turner. 2,521,681, Sept. 12.

Augustadt, Herbert W., West New Brighton, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Adjustable loss parallel-T network. 2,503,540, Apr. 11.

Augustin, Konrad K., Pfarrwerfen, Austria. Elastic vehicle wheel. 2,525,333, Oct. 10.

Augustin, Ray C., Sedalia, Colo. Pole feeding device for pole peeling machines. 2,505,168, Apr. 25.

Augustine, Frederick B., Jefferson, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Reaction products of diesters of dithiophosphoric acid and mineral oil compositions containing the same. 2,528,732, Nov. 7.

Augustine, Heinz, assignor of one-sixth to B. M. Dangerfield, one-sixth to J. Kremer, Jr., one-sixth to N. L. McDonald, one-sixth to R. E. Spatig, and one-sixth to W. J. Vecharella, Mars, Pa. Fishing rod holder. 2,506,912, May 9.

Augusto, George, Paterson, N. J. Shirt. 2,517,271, Aug. 1.

Aulin, Tage G., Trollhattan, assignor to J. P. Brandt Aktiebolag, Stockholm, Sweden. Device for measuring the distance between the optical centers of two or more lenses or optical systems. 2,532,878, Dec. 5.

Ault, Harold D.: *See*—
Johnson, Fred N., and Ault.

Auman, Maurice D., Belvidere, Ill. Bobby pin holder and opener. 2,528,991, Nov. 7.

Aune, Alan E., Lowell, Mass., assignor to United States Rubber Company, New York, N. Y. Wire splicer. 2,498,062, Feb. 21.

Aurand, Cecil C., Cranford, and C. H. Watrous, North Plainfield, N. J., assignors to General Motors Corporation, Detroit, Mich. Caster and camber checking equipment. 2,532,749, Dec. 5.

Aurandt, John W., Charlotte, N. C. Roller latch. 2,519,011, Aug. 15.

Aurich, Louis: *See*—
West, Max A., and Aurich.

Aurien, Ray G., assignor to American Steel Foundries, Chicago, Ill. Clasp brake. 2,508,211, May 16.

Ausenda, Carlo, New York, N. Y. Telescoping dipole. 2,509,717, May 30.

Auscher, Jean, Paris, France. Directional sound detector. 2,534,847, Dec. 19.

Ausman, Milton A., and V. C. Davis, Oakland, and A. Hundere, Richmond, assignors to California Research Corporation, San Francisco, Calif. Multiple contact switch. 2,501,431, Mar. 21.

Aust, Robert J.: *See*—
Frey, Cleon F., Jr., and Aust.

Aust, Robert J., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. High-frequency tuner. 2,513,392, July 4.

Aust, Robert J., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Contact arrangement for vibrators. 2,519,731, Aug. 22.

Aust, Robert J., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Magnetic pickup. 2,535,479, Dec. 26.

Aust, Robert J., and C. Huetten, assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind. Vibrator spring leaf contact arrangement. 2,519,730, Aug. 22.

Austenal Laboratories, Incorporated, assignee: *See*—
Feagin, Roy C.

Austin, Abraham L., Oak Park, Ill. Radiant heating system. 2,524,557, Oct. 3.

Austin, Archibald S. J., Princes Risborough, R. H. Sapiro, Pinner, and R. P. Fraser, Kingston Hill, England. Prevention of mist on transparent sheets and reflectors. 2,529,585, Nov. 14.

Austin, Bascum O., Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Pile regulator. 2,515,975, July 18.

Austin, Bascom O., and O. C. Walley, Lima, Ohio, and D. W. Exner, Seattle, Wash., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Auxiliary power system for aircraft. 2,534,895, Dec. 19.

Austin, Chester R., *See*—
Allison, Adrian G., and Austin.

Austin, Chester R., Columbus, Ohio, and E. J. Rogers, Troy, N. Y., assignors, by mesne assignments, to United Aircraft Corporation, East Hartford, Conn., and Ethyl Corporation, Detroit, Mich. Ceramic batch. 2,494,276, Jan. 10.

Austin, Chester R., Columbus, Ohio, and E. J. Rogers, Troy, N. Y., assignors, by mesne assignments, to United Aircraft Corporation, East Hartford, Conn., and Ethyl Corporation, Detroit, Mich. Ceramic body and batch for making same. 2,494,277, Jan. 10.

Austin, Chester R., and H. Z. Schofield Columbus, assignors, by mesne assignments, to The Ferro Engineering Company, Cleveland, Ohio. Making composite refractory. 2,534,653, Dec. 19.

Austin, Clarence L., Morrison, Ill. Hog ringer. 2,525,753, Oct. 17.

Austin, Donald D., Sr., assignor to Nation Broach & Machine Company, Detroit, Mich. Finishing electric rotors. 2,497,023, Feb. 7.

Austin, Dwight E., assignor to Samuel Moore & Company, Kent, Ohio. Connector. 2,496,032, Jan. 31.

Austin, Dwight E., Kent, Ohio. Axially engaging fluid pressure brake. 2,522,809, Sept. 19.

Austin, Ellsworth W., assignor to La Plant-Choate Manufacturing Co., Inc., Cedar Rapids, Iowa. Earth mover. 2,529,124, Nov. 7.

Austin, Elmer Dale, Umatilla, Fla. Bagging machine with trough leading to an apertured rotatable plate having bag spreading means. 2,523,673, Sept. 26.

Austin, Frank, Long Beach, Calif. Wire line cutter. 2,495,953, Jan. 31.

Austin, George F., and D. G. Wood, Birmingham, England. Apparatus of the reciprocating piston type for delivering fluids. 2,504,945, Apr. 18.

Austin, James O., Bluefield, Va. Baby bottle container. 2,500,786, Mar. 14.

Austin, Kirby B., Bridgeport, Conn., assignor to General Electric Company. Remote control receiver. 2,495,916, Jan. 31.

Austin, Kirby B., Tuckahoe, assignor to Eastman Kodak Company, Rochester, N. Y. Illumination control mounting means for photographic printing apparatus. 2,514,595, July 11.

Austin, Marcello R., Kalamazoo, Mich. Bracket for attaching electrical fixtures and conduit and other conduits to roof and floor decking. 2,518,515, Aug. 15.

Austin, Merritt B., Jr., Kenilworth, Ill. Portable tray stand. 2,520,450, Aug. 29.

Austin Motor Company Limited, The, assignee: *See*—
Haefeli, Julius C.

Austin, Paul G., Pasadena, assignor to Acme Appliance Mfg. Co., Los Angeles, Calif. Sliding door mounting. 2,523,935, Sept. 26.

Austin, Thomas J., assignee: *See*—
Fritscher, Frank.

Austlid, Arnljot, Oslo, Norway. Sewing machine. 2,497,651, Feb. 14.

Austlid, Arnljot, Oslo, Norway. Thread tightening device for sewing machines. 2,501,807, Mar. 28.

Austlid, Arnljot, Oslo, Norway. Stitch-length control. 2,525,578, Oct. 10.

Austrin, Alice: *See*—
Austrin, Valentin and A.

Austrin, Valentin, and A., New York, N. Y. Safety guard for ear ornaments. 2,525,195, Oct. 10.

Auten, Jay C., Royal Oak, assignor to Chrysler Corporation, Highland Park, Mich. Vehicle control. 2,523,491, Sept 26.

Auten, Robert W., Jenkintown, assignor to Rohm & Haas Company, Philadelphia, Pa. Dihydrazide-formaldehyde resins. 2,509,183, May 23.

Autenrieth, Elsa C., Phoenix, Ariz. Safety pin. 2,503,087, Apr. 4.

Auth, Robert: *See*—
Yoder, Joe, and Auth.

Auto Arc-Weld Manufacturing Company, The, assignee: *See*—
Knight, Floyd C., and Cornell.

Auto Sun Products Company, The, assignee: *See*—
Haefner, William C.

Auto Appliance Patents Co., The, assignee: *See*—
Clark, Joel B.

Auto City Plating Co., assignee: *See*—
Cassin, Anthony F.

Auto Radiator Specialty Co., assignee: *See*—
Goldberg, Harry A.

Auto Specialties Manufacturing Company, assignee: *See*—
Lucker, Millard B.
Mueller, Joseph J.

Auto-Bye Company, assignee: *See*—
Reinholz, William H.

Autocrat Inc., assignee: *See*—
Chakiris, Demetrius G.

Auto-Diesel Piston Ring Company, assignee: *See*—
Heinrich, August H.

Autogiro Company of America, assignee: *See*—
Pitcairn, Harold F.
Pullin, Cyril G., and Watson.

Autographic Register Company, assignee: *See*—
Guilbert, Frank N.

Automatic Controls Corporation, assignee: *See*—
Haigh, Richard A.

Automatic Devices Corporation, assignee: *See*—
Jackson, Alfred F.
Thibault, Joseph O.

Automatic Electric Laboratories, Inc., assignee: *See*—
Baker, George T.
Balzer, Harvey W.
Bartelink, Everhard H. B.
Bloomenthal, Sidney, and Wood.
Burgener, Karl L.
Burns, George A.
Clement, Milton A.
Creech, Hasell E.
Dewar, James R.
Dimmer, Robert P.
Ffolliott, Charles F.
Graybill, Kenneth W.
Graybill, Kenneth W., and Sengebusch.
Hadfield, Bertram M.
Herrick, Roswell H.
Jones, Roy W.
Kent, Joseph W.
Kessler, Frank.
Lomax, Clarance E.
Marble, Clarence
McCreary, Harold J.
Milhench, Harry, Grosty, and Comfort.
Molnar, Imre
Montani, Angelo.
Newstedt, Harry N.
Novy, Richard J.
Obergfell, Herbert F.
Ostline, John E.
Pearce, Owen A., and Baker.

Automatic Electric Laboratories, Inc., assignee: *See*— Continued.
Peterson, Edward S.
Pye, Harold C.
Saville, Willie, and Roseby.
Saville, Willie, and Williams.
Shoopman, Bertram H.
Stehlik, Rudolph F.
Stonor, Charles R. P.
Taylor, Reginald, and Baker.
Turney, Trevor H.
Voss, John H.
Voss, John H., and Jones.
Wicks, John.
Wicks, John, and Grandstaff.
Wood, Fredric E.
Woodland, Cecil R.
Woodruff, Albert E., and Riebe.

Automatic Locking Devices, Incorporated, assignee: *See*— Spraragen, Louis.

Automatic Magnetic Agitators Ltd., assignee: *See*— Okulitch, George J., and Zozulin.

Automatic Products Company, assignee: *See*— Aughey, Clarence L., and McCarty.
Biermann, William A.
Biermann, William A., and McCarty.
Biermann, William A., and Rack.
Pawelsky, Vernon R.
Pawelsky, Vernon R., McCarty, Biermann, and Dulak.

Automatic Pump & Softener Corporation, assignee: *See*— Whitlock, Robert A., Jr., and Dymond.

Automatic Shifters, Inc., assignee: *See*— Ayers, David T., Jr.
Ingres, Jeannot G.
Ingress, Jeannot G., and Hill.

"Automatic" Sprinkler Corporation of America, assignee: *See*— Rider, Harry N.

Automatic Steel Products, Inc., assignee: *See*— Zimmermann, Hans J.

Automatic Switch Company, assignee: *See*— Hurlburt, Wilbur F.

Automatic Table Co., Inc., assignee: *See*— Weed, Charles F.

Automatic Telephone & Electric Company Limited, assignee: *See*— Baker, George T.
Frydman, Emanuel.
Woodland, Cecil R.

Automatic Temperature Control Co., Inc., assignee: *See*— MacGeorge, William D.
Roessler, Charles E., Jr.
Terroni, Teseo B. D., and Cannon.

Automatic Totalisators Limited, assignee: *See*— Both, Edward T.
Julius, Awdry F. and G. A.

Automatic Truck Loader Corporation, assignee: *See*— Goodman, Joseph F.

Automatic Washer Company, assignee: *See*— Emmert, Clayton F., and Stouder.

Automatic X-Ray Corporation, assignee: *See*— Roop, Harold D.

Automotive Mufflers, Inc., assignee: *See*— Carlson, Thomas A.

Automotive Products Company Limited, assignee: *See*— Clench, Edward C. S.
Saint, Ivor H. G.
Smith, William P., and Wilks.
Thornhill, Peter W.

Autophon Aktiengesellschaft, assignee: *See*— Läng, Fritz.
Tschumi, Otto.

Autopoint Company, assignee: *See*— Bauer, Hans A.
Beckstrom, Garfield L.

Auto-Soler Company, The, assignee: *See*— Wright, John G., Toney, Watkins, and Sudan.

Auto Tyre Services Limited, assignee: *See*— Kent, Jan H. F.

Autoyre Company, The, assignee: *See*— Sanford, Roy S.

Autoyre Company, Incorporated, The, assignee: *See*— Sanford, Roy S.
Simpson, Paul F.

Avakian, Souren: *See*— Martin, Gustav J., and Avakian.

Avakian, Souren, Oreland, and G. J. Martin, assignors to The National Drug Company, Philadelphia, Pa. Beta-(2-benzothienyl)-alpha-amino propionic acid and salts. 2,517,826, Aug. 8.

Avary, Josephine T., San Diego, Calif. Garment fastener. 2,500,506. Mar. 14.

Avco Manufacturing Corporation, assignee: *See*— Bass, Harland A.
Benson, Ralph L.
Briggs, Arthur T.
Bussard, Emmery J. H.
Carpenter, John H.
Cohen, Jeffrey S.
Davidson, Herman A.
Davis, Dwillard J.

Avco Manufacturing Corporation, assignee: *See*—Con. Edelsohn, Charles R.
Fox, William F.
Hoffman, Samuel K. and Caminez.
Holst, Paul F. G.
Kilgour, Charles E.
Norrish, John W.
Norrish, John W., and Nave.
Reid, John D.
Shea, Frank M.
Snow, Adolph, J.
Synck, Adolph J., and Vutz.
Vutz, Wilhelm.
Vutz, Wilhelm, and Bruggeman.

Avedikian, Diran G.: *See*— Avedikian, Souren Z. and D. G.

Avedikian, Souren Z. and D. G., assignors to Tidings Corporation of America, Larchmont, N. Y. Perpetual calendar. 2,532,984, Dec. 5.

Avenia, Thomas, New York, N. Y. Bicycle fork fixture. 2,530,500, Nov. 21.

Avera, Fitzhugh L., assignor to Rosefield Packing Company, Ltd., Alameda, Calif. Manufacturing stabilized nut butters. 2,504,620, Apr. 18.

Averill, Charles C.: *See*— Emigholz, Lawrence F., and Averill.

Averin, Vladimir, New York, N. Y. Power transmission. 2,501,301, Mar. 21.

Avery, B. F., & Sons Company, assignee: *See*— Preising, William J., and Bynum.

Avery, Curt M., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Dynamo field control by unsaturated reactors. 2,519,339, Aug. 22.

Avery, Harold T., Oakland, Calif. Sustaining rotor for rotating wing aircraft. 2,520,268, Aug. 29.

Avery, Harold T., Oakland, Calif. Balancing means for rotating wing. 2,531,598, Nov. 28.

Avery, Laurence P., East Bridgewater, Mass. Attachment for holding brads. 2,505,874, May 2.

Avery, Mildred G.: *See*— Avery, Thaddeus C. and M. G.

Avery, Robert C.: *See*— Adam, Armand O., Jr., and Avery.

Avery, Robert C., Jackson Heights, N. Y., assignor to American Telephone and Telegraph Company. Tandem switching system. 2,533,342, Dec. 12.

Avery, Thaddeus C. and M. G., Anaconda, Mont. Apparatus for teaching of typewriting. 2,500,507, Mar. 14.

Aves, Fred J., Beverly Hills, assignor to V. Marco, Los Angeles, Calif. Iron cord guide. 2,510,055, June 6.

Avey Drilling Machine Company, The, assignee: *See*— McKee, George K.

Aviation Research and Development Corporation, assignee: *See*— Raspet, August.

Avil, Gordon: *See*— Seitz, John F., and Avil.

Avila, Frank W., Columbus City, Ind., assignor to International Harvester Company. Axle suspension system for vehicles. 2,496,428, Feb. 7.

Avondoglio, Leo, Verona, N. J., assignor to Curtiss-Wright Corporation. Rotatable seal for cowlings. 2,522,083, Sept. 12.

Avril, Arthur C., Cincinnati, Ohio. Apparatus for proportioning and mixing materials. 2,530,501, Nov. 21.

Ax, Erick L., and J. A. Jackson, Pittsburgh, Pa. Reel mandrel bushing latch for barbed wire machines. 2,521,321, Sept. 5.

Axe, William N.: *See*— Wagner, Cary R., and Axe.

Axe, William N., Dewey, Okla., assignor to Phillips Petroleum Company. Deoxygenation of hydrocarbons. 2,523,549, Sept. 26.

Axelagate Corporation, assignee: *See*— Axelrod, Maurice.

Axelrad, Bernard A.: *See*— McIver, DeWitt T., and Lee, and Axelrad.

Axelrod, Bernard, Perth Amboy, N. J. Embedding display sheets in plastics. 2,500,598, Mar. 14.

Axelrod, Maurice, Cleveland, assignor to Axelagate Corporation, Dayton, Ohio. Screening paste. 2,520,992, Sept. 5.

Axelsen, Howard C., assignor to Ideal Industries, Inc., Sycamore, Ill. Wire stripper. 2,523,936, May 26.

Axelson, Eskil A. A., and C. Å. Löfgren, assignors to Svenska Maskinaktiebolaget Greiff, Stockholm, Sweden. Paint pressure box with heat exchanger. 2,499,447, Mar. 7.

Axelson, Eskil A. A., and C. Å. Löfgren, assignors to Svenska Maskinaktiebolaget Greiff, Stockholm, Sweden. Heat exchanger. 2,499,448, Mar. 7.

Axia Fans Limited, assignee: *See*— Akester, Joseph C., and Wylie.

Axler, Samuel E., Denver, Colo. Waistband for garments. 2,525,060, Oct. 10.

Axlrod, Edward I., deceased, by E. S. Axlrod, administratrix, Miami, Fla. Rolled edge securing means. 2,527,903, Oct. 31.

Axlrod, Evelyn S., administratrix: *See*— Axlrod, Edward I.

Axsäter, Sven G. C.: *See*—
Angerby, Erik A., Carlsson, and Blom.

Axtell, Willard G., Arsenal, and G. H. Todd, Pine Bluff, Ark. Bomb salvage. 2,510,056, June 6.

Axtell, Willard G., Los Angeles, Calif., and G. H. Todd, Pine Bluff, Ark. Bomb dismantling apparatus. 2,512,597, June 27.

Aycock, Walter F., El Centro, assignor, by mesne assignments to Tank Fertilizer, Inc., Brawley, Calif. Introducing liquid fertilizer into irrigation streams. 2,492,944, Jan. 3.

Aye, Francis P., Glendale, Calif. Fishhook remover. 2,519,098, Aug. 15.

Ayers, Allyn L., Oakland, Calif., assignor to R. B. and E. L. Ensminger, as joint tenants. Wheel and wheel mounting. 2,496,615, Feb. 7.

Ayers, Alvin D.: *See*—
Longwell, Paul A., Ayers, and Sage.

Ayers, David T., Jr.: *See*—
Ingres, Jeannot G., and Ayers.

Ayers, David T., Jr., assignor to Automatic Shifters, Inc., Richmond, Va. Door locking system. 2,506,851, May 9.

Ayers, Fred L., Waltham, Mass. Shoe and making the same. 2,520,301, Aug. 29.

Ayers, George E., deceased, Houston, Tex.; L. M. Ayers, executrix of said G. E. Ayers. Lawn trimmer. 2,512,132, June 20.

Ayers, George W., Chicago, Ill., and E. E. Harton, Laramie, Wyo., assignors to The Pure Oil Company, Chicago, Ill. Sweetening gasoline. 2,529,670, Nov. 14.

Ayers, Harry D., Syracuse, N. Y. Air supply control for can filling machines. 2,525,851, Oct. 17.

Ayers, Joseph W., Easton, Pa., assignor to Agrashell, Inc., Los Angeles, Calif. Organic fillers and extenders and producing the same. 2,507,465, May 9.

Ayers, Leon L., La Crosse, Wis. Fishhook. 2,501,753, Mar. 28.

Ayers, Lydia M., executrix: *See*—
Ayers, George E.

Ayers, Robert C.: *See*—
Blanton, William B., and Ayers.

Ayers, Silas W., Tacoma, Wash. Grapefruit knife. 2,520,082, Aug. 22.

Ayers, William J.: *See*—
Devol, Lee T., and Ayers.

Ayerst, McKenna & Harrison, Limited, assignee: *See*—
Grant, Gordon A., Glen, and Barber.
Grant, Gordon A., and von Seemann.

Aylen, John F., London, England. Machine for the manufacture of contact springs and like parts. 2,502,695, Apr. 4.

Ayo, Jackson J., Elizabeth, and F. J. Gajewski, Linden, N. J., assignors to General Aniline & Film Corporation, New York, N. Y. Purification of alkyl phenols. 2,529,209, Nov. 7.

Ayres, Charles E., Phillips, Tex., assignor to Phillips Petroleum Company. Apparatus for washing oils with an immiscible wash liquid. 2,531,547, Nov. 28.

Ayres, Reginald J.: *See*—
Stuart, Raymond H., and Ayres.

Ayres, Robert F.: *See*—
Dodd, Sidney R., and Ayres.

Ayres, Waldemar A., Kew Gardens Hills, assignor to International Business Machines Corporation, New York, N. Y. Record card. 2,493,847, Jan. 10.

Ayres, Waldemar A., Kew Gardens Hills, assignor to International Business Machines Corporation, New York, N. Y. Record card. 2,493,848, Jan. 10.

Ayres, Waldemar A., Kew Gardens Hills, N. Y., assignor to The Sperry Corporation. Obstacle avoidance system. 2,499,349, Mar. 7.

Ayres, Waldemar A., Kew Gardens Hills, N. Y., assignor to The Sperry Corporation. Radio object position indicator using colors for distance indication. 2,508,358, May 23.

Ayres, Waldemar A., Kew Gardens Hills, N. Y., assignor to the Sperry Corporation. Synthesized stereoscopic vision. 2,514,828, July 11.

Ayres, Waldemar A., Kew Gardens Hills, R. L. Wathen, Hempstead, and G. H. Lee, Garden City, N. Y., assignors to The Sperry Corporation. Air speed indicating system. 2,524,747, Oct. 10.

Ayton, George R.: *See*—
Phinney, John A., Page, and Ayton.

Azbe Corporation, assignee: *See*—
Azbe, Victor J.

Azbe, Victor J., Webster Groves, assignor to Azbe Corporation, Clayton, Mo. Kiln. 2,532,077, Nov. 28.

B. B. Chemical Co., assignee: *See*—
Mitchell, Robert W.
Whitelegg, Rudolph F.

B. B. Sales Company, assignee: *See*—
Stearns, Frank H.

B. M. C. Manufacturing Corp., assignee: *See*—
Albrecht, Donald R.
Ward, Vincent S., and Hurlbut.

B & M Metal Products Corp., assignee: *See*—
McCloskey, Peter W.

B & R Manufacturing Company, The, assignee: *See*—
Bevington, Julius J., Jr., and Boros.

B & W Manufacturing Company: *See*—
Kerby, Harmon C.

Baade, Henry, Cleveland, Ohio, assignor of one-fourth to L. L. Jaskey, one-fourth to H. O. Zander, and one-fourth to P. Kuehl. Operating collapsible vehicle tops. 2,509,623, May 30.

Baadte, John J., Youngstown, assignor to The Standard Oil Company, Cleveland, Ohio. Testing fuel performance. 2,521,322, Sept. 5.

Baar, Peter, and A. J. Boeve, Sr., Holland, Mich. Shipping case. 2,512,819, June 27.

Baash-Ross Tool Company, assignee: *See*—
Johnson, Glenn D.
Langstaff, Clinton A., and Bronzan.

Babaian, Hairabed E. A., Toronto, Ontario, Canada. Tobacco pouch. 2,501,463, Mar. 21.

Babayan, Vigen K., Teaneck, N. J., assignor, by mesne assignments, to Pierce Laboratory, Inc., New York, N. Y. Chlorinated acrylic esters. 2,511,424, June 13.

Babbitt, Bethel J., Riverside, and G. R. Simmons, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Spacer or mold surface for the vulcanization of rubber. 2,501,859, Mar. 28.

Babbs, Cyrus H.: *See*—
Lawrence, Nathaniel Q., Germany, and Babbs.

Babbs, Cyrus H., assignor to Pye Limited, Cambridge, England. Cathode-ray device. 2,500,623, Mar. 14.

Babcock, Clara H., assignee: *See*—
Babcock, Verner E.

Babcock, George C., Westminster, Md. Sink mat. 2,507,877, May 16.

Babcock, Glen E., and A. K. Smith, Peoria, Ill., assignors to the United States of America as represented by the Secretary of Agriculture. Cold-setting resorcinol glue composition and preparation. 2,494,537, Jan. 17.

Babcock, Glenn A., Hohokus, N. J., assignor to Talon, Inc. Slide fastener. 2,519,012, Aug. 15.

Babcock, Gordon M.: *See*—
Rethwisch, Francis B., and Babcock.

Babcock, Havilah, Jr., Columbia, S. C., assignor to Babcock Honey Company. Ventilated, insulated cover for beehives. 2,530,801, Nov. 21.

Babcock Honey Company, assignee: *See*—
Babcock, Havilah, Jr.

Babcock, Lloyd L., Compton, and J. D. Spalding, Los Angeles, Calif., assignors to The National Supply Company, Pittsburgh, Pa. Electric tilting furnace. 2,528,571, Nov. 7.

Babcock, Perez R., assignee: *See*—
Largent, Edward W.

Babcock, Roger S.: *See*—
Bucknam, James H., and Babcock.

Babcock, Roger S., Plainfield, N. J., assignor to The Linde Air Products Company. Pierce severing. 2,517,622, Aug. 8.

Babcock, Roger S., Plainfield, N. J., assignor to The Linde Air Products Company. Method of and apparatus for high-speed, high-pressure oxygen cutting of metals. 2,521,199, Sept. 5.

Babcock, Verner E., assignor to C. H. Babcock, Oak Harbor, Ohio. Safety pin. 2,505,875, May 2.

Babcock & Wilcox Company, The, assignee: *See*—
Armstrong, Frank W., Jr.
Bailey, Ervin G., and Hardgrove.
Carlson, Walter B.
Carpenter, Otis R., and Armstrong.
Carpenter, Otis R., Hartnett, and Rasmusen.
Carpenter, Otis R., and Jessen.
Ebbets, George D.
Evans, Richard H.
Harter, Isaac.
Hermandorfer, Arthur W.
Jacobs, John H.
Koolstra, Lambert.
Leigh, Richard S.
Maxwell, Carl A.
Norton, Charles L., Jr., and Duplin.
Rasmusen, Reidar P. C.
Raynor, Arthur E.
Rekettye, Paul, and Maxwell.
Rowand, Will H.
Selnick, Eugene H.
Sherban, Daniel V.

Babcock & Wilcox Tube Company, The, assignee: *See*—
Harter, Isaac, Jr., and Evans.
Newell, Harold D.
Olzak, Zigmont E.

Babee-Tenda License Corporation, assignee: *See*—
Puls, Alfred E.

Baber, William W., Albemarle County, Va. Expansion closure device. 2,525,994, Oct. 17.

Babicz, George, Chicago, Ill. Attachment for ink rollers and printing machines. 2,516,941, Aug. 1.

Babin, Francois, assignor to La Radio-Industrie, Paris, France. Tuning device for true antennas. 2,515,436, July 18.

Babin, Joseph, Lutcher, assignor of one-third to C. E. Bassett, Baton Rouge, La. Separable rim. 2,496,256, Feb. 7.

Babits, Louis, B. Fishman, and S. Pagenkopf, Brooklyn, N. Y. Coin controlled game table. 2,499,559, Mar. 7.

Babler, Egon B., Brighton, England. Mercury switch. 2,506,763, May 9.

Babson Bros. Co., assignee: *See*—
Babson, Henry B.
Babson, Henry B., and Thomas.
Bober, Louis E.
Schilling, Lorell J.
Thomas, Chester A.

Babson, Henry B., Chicago, and C. A. Thomas, Crystal Lake, Ill., assignors to Babson Bros. Co. Milker inflation and shell. 2,502,362, Mar. 28.

Babson, Henry B., Chicago, Ill., assignor to Babson Bros. Co. Gasket for milkers. 2,502,363, Mar. 28.

Babson, Robert D., and M. Tishler, assignors to Merck & Co., Inc., Rahway, N. J. Selective carbon adsorption of impurities from acidic streptomycin solutions. 2,521,770, Sept. 12.

Bac, Fernand G., Paris, France. Electric connecting device. 2,533,343, Dec. 12.

Bacca, Charles R., Mount Washington, Ohio. Master cylinder for hydraulic brakes. 2,526,720, Oct. 24.

Bacca, Charles R., New Richmond, Ohio. Master cylinder with auxiliary cylinder and floating piston. 2,526,721, Oct. 24.

Bach, Henry M., Lawrence, assignor to Premier Crystal Laboratories, Incorporated, New York, N. Y. Temperature responsive piezoelectric crystal oscillator. 2,496,975, Feb. 7.

Bach, Henry M., Woodmere, assignor to Premier Crystal Laboratories, Incorporated, New York, N. Y. Mutiband superheterodyne radio receiver having a push-button station selector. 2,501,591, Mar. 21.

Bach, Henry M., Woodmere, assignor to Premier Crystal Laboratories, Incorporated, New York, N. Y. Oscillator frequency control. 2,520,823, Aug. 29.

Bach, Henry M., Woodmere, assignor to Premier Crystal Laboratories, Incorporated, New York, N. Y. Multiband superheterodyne radio receiver having a push-button station selector. 2,529,443, Nov. 7.

Bach, Neils P., Geneva, assignor to American Can Company, New York, N. Y. Casing door operator. 2,529,478, Nov. 14.

Bach, Walter H., Hollywood, Calif. View finder for caneras. 2,506,764, May 9.

Bach, Walter H., assignor to Berndt-Bach, Incorporated, Los Angeles, Calif. Film gate having projecting pressure receiving elements. 2,506,765, May 9.

Bach, Walter H., Hollywood, Calif. Photographic sound recording system. 2,518,743, Aug. 15.

Bachelder, Albert J., Lexington, assignor to Polaroid Corporation, Cambridge, Mass. Camera equipped with sheet-severing and tab-forming mechanism. 2,510,306, June 6.

Bacheldor, William, Wood River, assignor, by mesne assignments, to Illinois Stoker Company, Alton, Ill. Vibrating device for dumping loaded vehicles. 2,507,749. May 16.

Bacheler, Albert T., Wilkinsburg, and T. M. Greer, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system for rewinder reel drives. 2,519,218, Aug. 15.

Bachelet, Albert E., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Selective signaling system. 2,503,371, Apr. 11.

Bacheller, "D" F., Glendale, assigner to "Pump-It" Incorporated, Los Angeles, Calif. Catchup dispenser. 2,521,961, Sept. 12.

Bachin, Peter, Chicago, Ill. Physical therapeutic table. 2,500,508, Mar. 14.

Bachli, Herman, and H. S. Shapiro, assignors to Chicago Specialty Mfg. Co. Inc., Chicago, Ill. Water closet tank cover. 2,506,480, May 2.

Bachli, Herman, and H. S. Shapiro, assignors to Chicago Specialty Mfg. Co. Inc., Chicago, Ill. Handle. 2,535,382. Dec. 26.

Bachman, Fred E.: *See*—
Schlegel, Walter L., Jr., and Bachman.
Tack, Carl E., and Bachman.

Bachman, Fred E., assignor to American Steel Foundries, Chicago, Ill. Shock strut. 2,516,667, July 25.

Bachman, Fred E., assignor to American Steel Foundries, Chicago, Ill. Shock absorber. 2,527,980. Oct. 31.

Bachman, Gustave B., La Fayette, Ind., and G. H. Stempel, Jr., Pittsburgh, Pa.: said Bachman assignor to Purdue Research Foundation, La Fayette, Ind., and said Stempel, Jr., assignor to The General Tire & Rubber Company, Akron, Ohio. Copolymers of butadiene and nuclear-substituted poly-halo-alpha-methylstyrene. 2,522,-981, Sept. 19.

Bachman, Lester E., assignor of one-half to M. G. Bachman, South Ozone Park, N. Y. Self-cleaning rake. 2,494,154, Jan. 10.

Bachman, Mary G., assignee: *See*—
Bachman, Lester E.

Bachman, William S., Fairfield, Conn., assignor to General Electric Company. Permeability tuned receiver circuits. 2,505,516, Apr. 25.

Bachman, William S., Fairfield, Conn., assignor to General Electric Company. Permeability tuned loop antenna circuit. 2,511,662, June 13.

Bachman, William S., Southport, Conn., assignor to General Electric Company. Magnetic phonograph pickup. 2,511,663, June 13.

Bachman, William S., Southport, Conn., assignor to General Electric Company. Phonograph pickup. 2,511,664, June 13.

Bachmann, Albert E., assignor to Collins Radio Company, Cedar Rapids, Iowa. Frequency indicating and counting arrangement. 2,509,952, May 30.

Bachmann, John F.: *See*—
Lewis, Robert F., and Bachmann.

Bachmann, John F., Nutley, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Monitoring circuit. 2,496,259, Feb. 7.

Bachrach, Selik, Buenos Aires, Argentina. Torch igniter. 2,496,257, Feb. 7.

Bacica, Miles T., Houston, Tex. Garment hanger. 2,522,595, Sept. 19.

Back, Alexander E.: *See*—
Ravitz, Sol F., and Back.

Back, Clifford O., Safford, Ariz. Rodent trap. 2,501,490, Mar. 21.

Back, Frank G., New York, and H. Lowen, Forest Hills, N. Y., said Lowen assignor to said Back. Lens for motion-picture cameras. 2,535,115, Dec. 26.

Back, Leonard, Middletown, Ohio, assignor to The Interstate Folding Box Company. Sealing method for cartons. 2,524,032. Oct. 3.

Back, Raymond R., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Activated cathode for electron discharge devices. 2,523,269, Sept. 26.

Backer, Lyle A., Denville, and W. H. Happe, Jr., Rutherford, N. J., assignors to Federal Telephone and Radio Corporation, New York, N. Y. Cathode assembly. 2,521,682. Sept. 12.

Backer, Stanley, Primos, Pa. Sandblasting. 2,532,655, Dec. 5.

Backer, Willem A. J., Haarlem, assignor to N. V. Nederlandsche Vliegtuigenfabriek Fokker, Amsterdam, Netherlands. Cockpit cover for airplanes. 2,533,548, Dec. 12.

Backhouse, Headley T., Wentworth, England. Front edge detector mechanism. 2,499,125, Feb. 28.

Backhouse, Headley T., Wentworth, England. Multiple sheet detector mechanism for use with sheet-feeding apparatus. 2,517,379, Aug. 1.

Bäckström, Sigurd M., assignor to Aktiebolaget Elektrolux, Stockholm, Sweden. Refrigeration apparatus. 2,496,143, Jan. 31.

Backus, John G., Los Angeles, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Vacuum analyzer. 2,499,288, Feb. 28.

Backus, John G., Los Angeles, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Ion generator. 2,499,289, Feb. 28.

Backus, Louis P., Philadelphia, Pa. Automatic control for boiler feed pumps. 2,518,654, Aug. 15.

Backus, Walter M., Jr., and C. W. Jarvis, Silver Spring, Md., assignors to the United States of America as represented by the Secretary of the Navy. Hydraulic damper. 2,532,656, Dec. 5.

Bacon, Carl H., assignor to The Weatherhead Company, Cleveland, Ohio. Loom check linkage. 2,513,907, July 4.

Bacon, Emma O., Los Angeles, Calif. Toy airplane headband. 2,497,527, Feb. 14.

Bacon, Henry M., Dayton, Ohio, assignor to The Dayton Rubber Company. Wool card rub apron. 2,520,192, Aug. 29.

Bacon, Henry M., Dayton, Ohio, assignor to The Dayton Rubber Company. Industrial truck tire. 2,525,196, Oct. 10.

Bacon, Kenneth D.: *See*—
Young, Arthur E., and Bacon.

Bacon, Kenneth D., and A. E. Young, assignors to The Dow Chemical Company, Midland, Mich. Ethyl cellulose-phenol modified coumarone-indene lacquer for polystyrene. 2,510,851, June 6.

Bacon, Leslie R., and W. F. Wegst, assignors to Wyandotte Chemicals Corporation, Wyandotte, Mich. Washing glass articles in alkaline solutions. 2,514,304, July 4.

Bacon, Leslie R., and D. B. Conklin, assignors to Wyandotte Chemicals Corporation, Wyandotte, Mich. Composition for inhibiting sap stain. 2,517,076, Aug. 1.

Bacon, Leslie R., and D. B. Conklin, assignors to Wyandotte Chemicals Corporation, Wyandotte, Mich. Inorganic composition for inhibiting sap stain. 2,517,958, Aug. 8.

Bacon, Miles M., Jacksonville, Fla. Triple-purpose adapter fixture for skates. 2,524,587, Oct. 3.

Bacon, Osborne C., Pennsgrove, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Aqueous dispersion of gylcol-phthalate adipate. 2,511,895, June 20.

Bacon, Ross M.: *See*—
Siekmann, Harold J., and Bacon.

Bacon, Thomas P., Jr., Oakland, Calif. Curing tube protector. 2,524,156, Oct. 3.

Bacon, Walter M., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Communication system. 2,495,683, Jan. 31.

Bacon, Walter M., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Intercommunicating teletypewriter system. 2,501,592, Mar. 21.

Bacon, Walter M., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Enciphering and deciphering device for secret telegraph systems. 2,504,621, Apr. 18.

Bacon, Walter M., New York, and E. F. Watson, Larchmont, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Communication system. 2,495,682, Jan. 31.

Bacot, Pierre A., Le Mans, assignor to Societe Immobiliere & Financiere du Parc (Societe a Responsabilite Limitee) Ivry-sur-Seine, France. Preparing coffee extract. 2,522,014, Sept. 12.

Bacus, James L., Pendleton, Oreg. Device for cleaning radiators. 2,529,756, Nov. 14.

Badalamenti, Carlo, Detroit, Mich. Garment hanger. 2,509,754, May 30.

Badenhausen, John P., Philadelphia, Pa. Steam generator. 2,502,637, Apr. 4.

Badenhausen, John P., Philadelphia, Pa. Cross tube straddle type of steam generator furnaces. 2,511,794, June 13.

Badenoch, Benjamin W., Los Angeles, assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif. Wing high lift flap device. 2,518,854, Aug. 15.

Badenoch, Benjamin W., Los Angeles, Calif. Cooking device. 2,525,255, Oct. 10.

Bader, Charles L., and C. C. Stone, Wichita, Kans. Pants stretcher. 2,531,599, Nov. 28.

Bader, Hans, Palos Heights, assignor of one-half to D. J. Jones, Chicago, Ill. Electrical game board for salvo games. 2,512,820, June 27.

Badertscher, Darwin E.: *See*—
Hartough, Howard D., and Badertscher.
Plank, Charles J., and Badertscher.

Badertscher, Darwin E., and C. F. Feasley, Woodbury, and H. G. Berger, Glen Rock, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Lubricating oil composition. 2,498,863, Feb. 28.

Badertscher, Darwin E., and C. F. Feasley, Woodbury, and H. G. Berger, Glen Rock, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Aliphatic trithiocarbonates. 2,498,936, Feb. 28.

Badger Carton Co., assignee: *See*—
Bledsoe, William E., Jr.

Badger Meter Manufacturing Company, assignee: *See*—
Abrams, Norman H.

Badger, Russell L., Charleston, S. C. Valve extractor. 2,507,240, May 9.

Badgett, Charles O.: *See*—
Woodward, Charles F., and Badgett.

Badgett, Charles O., Glenside, and C. F. Woodward, Abington, Pa., assignors to The United States of America as represented by the Secretary of Agriculture. Nicotinic acid anhydride. 2,498,634, Feb. 28.

Badgett, Charles O., Glenside, and C. F. Woodward, Abington, Pa., assignors to the United States of America as represented by the Secretary of Agriculture. N-cyclohexyl nicotinamide. 2,510,945, June 13.

Badgett, Cortelyou O., Yanceyville, N. C. Safety signal for motor vehicles. 2,506,330, May 2.

Badovinac, Peter, Cleveland, Ohio. Hat attached posture indicator. 2,494,278, Jan. 10.

Badt, Roy A., Beverly Hills, Calif. Apparatus for forming concrete slabs. 2,508,635, May 23.

Baecker, Harold P.: *See*—
Waters, Milton V., McDonald, and Baecker.

Baehr, Herman W., Waupaca, assignor to Eagle Manufacturing Company, Appleton, Wis. Conveyer. 2,493,333, Jan. 3.

Baehr, Herman W., Waupaca, assignor to Eagle Manufacturing Company, Appleton, Wis. Corner guard for barn cleaners. 2,513,706, July 4.

Baer, Edward R., Hamilton, Ontario, Canada. Hoisting dolly truck. 2,521,819, Sept. 12.

Baer, Georges, Paudex Lausanne, Switzerland, assignor to Pignons, S. A., Ballaigues. Reflex camera, including mirror guides and resilient stop member. 2,529,757, Nov. 14.

Baer, Martin S., Baytown, Tex., assignor to Standard Oil Development Company. Inhibiting the corrosive effect of sulfuric acid. 2,513,131, June 27.

Baer, Massimo, Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Preparation of granular polymerization products. 2,511,811, June 13.

Baer, Massimo, Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Sulfonation of polystyrene. 2,533,210, Dec. 12.

Baer, Massimo, Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Sulfonating polystyrene. 2,533,211, Dec. 12.

Baer, Walter S. Sr., Yeadon, Pa. Adjustable garment hanger. 2,512,133, June 20.

Baeyertz, Mary, Chicago, Ill., and W. M. Lindsey, Rumford, R. I., assignors to Carnegie-Illinois Steel Corporation. Chromium stainless steels. 2,531,720, Nov. 28.

Bagby, William H., Minneapolis, Minn., assignor to General Mills, Inc. Cloth bag cleaner. 2,523,607, Sept. 26.

Baggott, Edmund W., Brooklyn, assignor to Ideal Novelty & Toy Co., Hollis, N. Y. Toy animal. 2,510,791, June 6.

Baggott, Edmund W., Brooklyn, assignor to Ideal Novelty & Toy Co., Hollis, N. Y. Toy revolver. 2,523,087, Sept. 19.

Baggott, Edmund W., Brooklyn, assignor to Ideal Novelty & Toy Co., Hollis, N. Y. Toy mowing device. 2,524,249, Oct. 3.

Baggott, Edmund W., Brooklyn, assignor to Ideal Novelty & Toy Co., Hollis, N. Y. Combination toy bank and music box. 2,531,495, Nov. 28.

Baghuis, Ludovicus H., Best, Netherlands. Vehicle for passenger transport. 2,494,081, Jan. 10.

Baghuis, Ludovicus H., Utrecht, Netherlands. Follow-up and pressure fluid type servo motor. 2,496,369, Feb. 7.

Baghuis, Ludovicus H., Utrecht, Netherlands. Structurally reinforced motor bus body. 2,517,272, Aug. 1.

Bagley, Glen D., Lewiston, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. High vacuum indicator. 2,503,372, Apr. 11.

Bagley & Sewall Company, The, assignee: *See*—
Pearson, Charles M.

Bagnall, Joseph C., Providence, R. I., assignor to Swank, Inc. Cravat holder. 2,509,412, May 30.

Bagnall, Joseph C., Jr., Attleboro, Mass., assignor to Swank, Inc. Cravat holder. 2,506,481, May 2.

Bagnard, Gus M., Anaheim, assor. to Chicksan Company, Brea, Calif. Ball type swivel connection. 2,512,006, June 20.

Bagnard, Gus M., Anaheim, assignor to Chicksan Company, Brea, Calif. Quick detachable swivel joint. 2,518,443, Aug. 15.

Bagomatic, Incorporated, assignee: *See*—
Althoff, Raymond.

Bagoon, Jack M., East Orange, N. J. Tool for the insertion of studs. 2,516,288, July 25.

Bagsar, Aaron B., Drexel Hill, assignor to Sun Oil Company, Philadelphia, Pa. Pressure relief valve system. 2,503,187, Apr. 4.

Bahan, Edward F., administrator: *See*—
Bahan, William H.

Bahan, George F., Greenville, S. C. Thread extracting, clamping, and cutting device for looms. 2,529,758, Nov. 14.

Bahan, William H., deceased, Greenville, S. C.; E. F. Bahan, administrator. Mounting for picker sticks in looms. 2,495,803, Jan. 31.

Bahan, William H., Greenville, S. C.; E. F. Bahan, administrator of said W. H. Bahan, deceased. Crankshaft mounting for looms. 2,499,050, Feb. 28.

Bahan, William H., deceased, Greenville, S. C.; E. F. Bahan, administrator. Battery supporting means for looms. 2,505,635, Apr. 25.

Bahan, William H., deceased, Greenville, S. C.; E. F. Bahan, administrator of said W. H. Bahan. Pressure applying means for cloth rolls in looms. 2,519,424, Aug. 22.

Bahner, Carl T., Jefferson City, Tenn. Beta-nitroalkyl sulfides and their preparation. 2,511,961, June 20.

Bahner, Carl T., Jefferson City, Tenn. (Beta-nitroalkyl) amines and production of same. 2,520,104, Aug. 22.

Bahner, Carl T., Jefferson City, Tenn. (Beta-nitroalkyl) amines and producing same. 2,523,337, Sept. 26.

Bahner, Carl T., Jefferson City, Tenn. Beta-nitroalkyl amines and production of same. 2,527,292, Oct. 24.

Bahner, Carl T., Jefferson City, Tenn. 5-β-nitroalkyl barbituric acids and salts thereof. 2,527,293, Oct. 24.

Bahney, Luther W., Elizabeth, N. J., and A. H. Horswell, Jackson Heights, N. Y., assignors to Scovill Manufacturing Company, Waterbury, Conn. Submerged resistor induction furnace. 2,494,501, Jan. 10.

Bahnson, Agnew H., Jr., Winston-Salem, N. C. Air cleaner. 2,493,849, Jan. 10.

Bahnson, Agnew H., Jr., assignor to K. K. Bahnson, Winston-Salem, N. C. Spray nozzle. 2,499,084, Feb. 28.

Bahnson Company, The, assignee: *See*—
Marshall, James.

Bahnson, Fred F., Winston-Salem, N. C. Pin board. 2,497,574, Feb. 14.

Bahnson, Katherine K., assignee: *See*—
Bahnson, Agnew H., Jr.

Bahoosh, Samuel, assignee: *See*—
Turley, Jerome W.

Bahr, Gustave F., Fairfield, assignor to The Bead Chain Manufacturing Co., Bridgeport, Conn. Double-ended terminal. 2,533,987, Dec. 12.

Bahr, Henry H., assignor to Guaranteed Buff Co., Inc., New York, N. Y. Buffing wheel. 2,506,288, May 2.

Baier, Sydney W., and D. J. MacNaughton, London, England, assignors to The City Auto Stamping Company, Toledo, Ohio. Electrodeposition of tin alloys. 2,511,395, June 13.

Baierlein, George W., Springfield, Mass., assignor to Niles-Bement-Pond Company, West Hartford, Conn. Delivery control for fuel injector pumps. 2,502,552, Apr. 4.

Bailey, Alonzo W., assignor to J. B. Shaver, Cleveland, Ohio. Hinge. 2,507,329, May 9.

Bailey, Bruce L., Lewiston, assignor to Great Lakes Carbon Corporation, New York, N. Y. Carbon electrode. 2,527,294, Oct. 24.

Bailey, Carl G., Staunton, Va. Article handling device. 2,495,954, Jan. 31.

Bailey, Christopher E. G., London, England, assignor to The Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Radio navigational aid. 2,523,895, Sept. 26.

Bailey, Dana H., Delaven, Wis., assignor to John R. R. Miles, Inc., Minneapolis, Minn. Acetylene generator. 2,515,168, July 18.

Bailey, Donald L., Buffalo, and G. H. Wagner, Kenmore, N. Y., assignors to The Linde Air Products Company. Production of methylchlorosilanes. 2,532,387, Dec. 5.

Bailey, Edgar L., Birmingham, assignor to Chrysler Corporation, Highland Park, Mich. Heat-treating apparatus. 2,513,778, July 4.

Bailey, Edgar L., Birmingham, assignor to Chrysler Corporation, Highland Park, Mich. Heating apparatus. 2,513,779, July 4.

Bailey, Edward A. : *See*—
Schulz, Edward L., and Bailey.

Bailey, Edward V., Santa Paula, Calif. Shank coil cover. 2,499,449, Mar. 7.

Bailey, Emmett C., Washington, D. C. Swinging seesaw. 2,509,796. May 30.

Bailey, Ervin G., Easton, Pa., assignor to The Babcock & Wilcox Company, Rockleigh, N. J. Heat-treatment of carbon-containing feed stock. 2,519,340, Aug. 22.

Bailey, Ervin G., Easton, Pa., and R. M. Hardgrove, Westfield, assignors to The Babcock & Wilcox Company, Rockleigh, N. J. Fluid heating apparatus. 2,509,854, May 30.

Bailey, Francis M., Scotia, N. Y., assignor to General Electric Company. Electric discharge device of the indicator type. 2,513,908, July 4.

Bailey, Francis T., Pittsburgh, and S. L. Burgwin, Forest Hills, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Register regulator for printing presses. 2,500,230, Mar. 14.

Bailey, Grant C., Royal Oak, Mich., and J. A. Reid, Bartlesville, Okla., assignors to Phillips Petroleum Company. Preparation of alkyl-aromatic compounds. 2.519.099. Aug. 15.

Bailey, Harley R., Tacoma, Wash. Rod for hanging garments in automobiles. 2,499,560, Mar. 7.

Bailey, Harry T., and L. R. Widener, Clarksburg, Calif. Beet topper. 2,505,089, Apr. 25.

Bailey, Henry L., Elizabeth, N. J. Crossbow. 2,500,509, Mar. 14.

Bailey, James, West Hartford, and C. G. Reber, Newington, assignors to Plax Corporation, Hartford, Conn. Process of and apparatus for manufacturing thin wall tubing. 2,529,897, Nov. 14.

Bailey, John J., assignee : *See*—
Harrison, Eugene I.
Harrison, Eugene I., and Killey.

Bailey, Lawrence H. : *See*—
Stokes, Francis J., Jr., and Bailey.

Bailey, Lawrence H., Cheltenham, Pa., assignor to F. J. Stokes Machine Company. Sifting feeder for powder compressing machines. 2,531,245. Nov. 21.

Bailey, Maurice E., Orchard Park, and J. K. Evans, Buffalo, assignors to Allied Chemical & Dye Corporation, New York, N. Y. Purifying phthalic anhydride. 2,510,852, June 6.

Bailey Meter Company, assignee : *See*—
Birchler, Charles F., and Paulisont.
Cowan, Ralph T.
Dickey, Paul S.
Fellows, Frank H.
Hornfeck, Anthony J.
Johnson, Clarence.
Powell, Joseph R., and Fulton.
Rutherford, Victor S., and English.

Bailey, Miles E., Tonawanda, assignor to Remington Rand Inc., Buffalo, N. Y. Tabulating card. 2,507,085, May 9.

Bailey, Ogden L. : *See*—
Ramsey, Raymond G., and Bailey.

Bailey, Paul J. : *See*—
Kottkamp, Norman C., Bailey, Trimble, and Langsenkamp.

Bailey, Robert G., assignor of one-half to C. E. Ballard, Kenosha, Wis. Distributing device. 2,504,786, Apr. 18.

Bailey, Robert G., Kenosha, Wis. Distributing device. 2,504,787, Apr. 18.

Bailey, Robert S., assignor to International Standard Electric Corporation, New York, N. Y. Duplex radio system. 2,498,635, Feb. 28.

Bailey, Robert S., assignor to International Standard Electric Corporation, New York, N. Y. Polyphase cyclotron. 2,531,384, Nov. 28.

Bailey, Roy W., and J. T. Faull, assignors to Detroit Power Screwdriver Company, Detroit, Mich. Nut runner. 2,509,123. May 23.

Bailey, Rupert H., Seattle, Wash. Dredge. 2,508,087, May 16.

Bailey, Stanley M., Reading, and S. G. Kellogg, Weston, Mass. Combination screen and storm window. 2,508,781, May 23.

Bailey, Theodore, Habana, Cuba. Nursing bottle. 2.493,380. Jan. 3.

Bailey, Theodore, Habana, Cuba. Cabinet having open-sided drawers. 2,503,020, Apr. 4.

Bailey, Walter R., Calgary, Alberta, Canada. Hydraulically operated pump. 2,500,624, Mar. 14.

Bailey, William A., Bronx, N. Y. Heating and cooking apparatus. 2,507,493, May 16.

Bailey, William A., New York, N. Y. Portable heater and cooker. 2,532,139, Nov. 28.

Bailey, William M., Company, assignee : *See*—
Neely, Eugene M.

Bailey, Wyman H., Norfolk, Va. Insulated electrical clip. 2,522,810, Sept. 19.

Bailhe, George, Brooklyn, N. Y. Hand lead line. 2,514,437, July 11.

Bailly, René J., University City, Mo. Infrared adaptor for optical apparatus. 2,522,493, Sept. 19.

Baily, Edgar W., Purley, assignor to Paterson Engineering Company, Ltd., London, England. Apparatus for filtration of liquids. 2,496,370, Feb. 7.

Bain, John, assignee : *See*—
Jones, Alton H.

Bain, Lewis A., Jr., Berwyn, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Conductive coating compositions. 2,530,217, Nov. 14.

Bain, Lewis A., Jr., Berwyn, and H. E. Malone, Riverside, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Metalized ceramic coating composition. 2,506,130, May 2.

Bainbridge, Richard W., and R. L. Jordan, South Pasadena, Calif., said Jordan assor. to said Bainbridge. Screw threaded fastener. 2,512,082, June 20.

Baines, John A., assignor to Rotax Limited, London, England. Ignition magneto. 2,531,961, Nov. 28.

Baines, Richard H. : *See*—
Levers, William H., and Baines.
McVeigh, William B., and Baines.

Bair, Garth L., assignor to The Glenn L. Martin Company, Middle River, Md. Fire-detecting switch. 2,522,248, Sept. 12.

Bair, George J., assignor to Corning Glass Works, Corning, N. Y. Condenser assembly. 2,526,704, Oct. 24.

Baird, Albert W., Cranford, N. J., assignor to The Linde Air Products Company. Flexible submerged melt welding machine. 2,510,204, June 6.

Baird, Albert W., Cranford, N. J., assignor to The Linde Air Products Company. Inert-gas shielded continuous-feed metal-arc welding apparatus. 2,510,205, June 6.

Baird, Beno H., Dallas, Tex. Dispensing machine. 2,522,770, Sept. 19.

Baird, Donald K. : *See*—
Swallow, John C., Baird, and Ridge.

Baird, John B. : *See*—
LauBach, Neal B., and Baird.

Baird, John L., Limited, assignee : *See*—
Anderson, Edward G. O., and Bernard.

Baird, Kenneth M., assignor to The Honorary Advisory Council for Scientific and Industrial Research, Ottawa, Ontario, Canada. High-speed camera. 2,494,082, Jan. 10.

Baird Machine Company, The, assignee : *See*—
Lewis, Arthur J.

Baird, Raymond C., assignor to The Fluor Corporation, Ltd., Los Angeles, Calif. Muffler including tapered inlet nozzle with tapered opening. 2,517,623, Aug. 8.

Baird, William, T. Barr, and A. Lowe, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Quaternary ammonium textile treatment agents and application thereof. 2,518,266, Aug. 8.

Baird, William, and T. Barr, Manchester, E. S. Lane, Leeds, and A. Lowe, Manchester, England, assignors to Imperial Chemical Industries Limited. Quaternary compounds, and manufacture and use thereof as textile treating agents. 2,518,267, Aug. 8.

Baird, William, T. Barr, A. Lowe, and J. Oliver, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Manufacture and application of new textile treatment agents. 2,518,444, Aug. 15.

Baird, William, P. Gaubert, and A. Lowe, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Manufacture of organic polycarbamates from chloroformic esters. 2,527,240, Oct. 24.

Baizer, Manuel M., Flushing, assignor to New York Quinine and Chemical Works, Incorporated, Brooklyn, N. Y. Producing pure papaverine hydrochloride. 2,507,086, May 9.

Baizer, Manuel M., Flushing, assignor to New York Quinine and Chemical Works, Incorporated, Brooklyn, N. Y. Producing pure papavarine hydrochloride. 2,507,135, May 9.

Baizer, Manuel M., Flushing, assignor to New York Quinine and Chemical Works, Incorporated, Brooklyn, N. Y. Alkaloid purification. 2,507,136, May 9.

Bak, Albert G., Palatine, Ill. Fade-out shutter for attachment to motion-picture cameras. 2,533,909, Dec. 12.

Bakelaar, John H. : *See*—
Carroll, Fred M., and Bakelaar.
Carroll, Fred M., Bakelaar, and Pond.

Baker, Aaron A., Coalinga, assignor to Baker Oil Tools, Inc., Vernon, Calif. Well tool thread lock. 2,509,469, May 30.

Baker, Albert L., Summit, N. J., assignor to The M. W. Kellogg Company, New York, N. Y. Insulation lining for conduits. Re. 23,199, Feb. 28.

Baker, B. M., Engineers, Incorporated, assignee : *See*—
Baker, Bertrand M.

Baker, Benjamin P. : *See*—
Ludwig, Leon R., and Baker.
Ludwig, Leon R., Baker, and Leeds.

Baker, Benjamin P., Turtle Creek, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,495,156, Jan. 17.

Baker, Benjamin P., Turtle Creek, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit breaker operating mechanism. 2,501,302, Mar. 21.

Baker, Benjamin P., Turtle Creek, R. G. Shriver, and R. C. Van Sickle, Pittsburgh, Pa., assignors, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission. Electric switch with magnetic biasing. 2,499,622, Mar. 7.

Baker, Benjamin P., Turtle Creek, L. R. Ludwig, Wilkinsburg, and J. M. Cumming, Turtle Creek, assignors to Westinghouse Electric Corporation. Valve mechanism. 2,525,470, Oct. 10.

Baker, Benjamin P., Turtle Creek, and Jack E. Schrameck, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,530,933, Nov. 21.

Baker, Bennie A., Lake Spaulding, Calif. Sheet metal lock nut wrench. 2,520,269, Aug. 29.

Baker, Bernard R., Nanuet, assignor, by mesne assignments, to American Cyanamid Company, New York, N. Y. 2-carboxyalkylthiophane-3,4-dicarboxylic acid. 2,506,536, May 2.

Baker, Bertrand M., assignor to B. M. Baker Engineers, Incorporated, Grand Rapids, Mich. Drawer guide. 2,519,623, Aug. 22.

Baker Bros, Inc., assignee: *See*—
Hallenbeck, George E.

Baker, Calvin S., Portland, Oreg. Seed lifter and hopper arrangement for planters. 2,495,998, Jan. 31.

Baker Castor Oil Company, The, assignee: *See*—
Geiges, Alexander J.
Jubanowsky, Louis J.
Smith, Malcolm Kent.

Baker, Cecil, Chicago, Ill. Curl clip. 2,515,976, July 18.

Baker, Charles E., Beloit, Wis. Auxiliary propulsion mechanism. 2,523,674, Sept. 26.

Baker, Charles H., Maywood, Ill., assignor to S & C Electric Company. Fuse construction. 2,517,624, Aug. 8.

Baker, Charles O., Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Recovery and utilization of olefins by an absorption-alkylation process. 2,530,143, Nov. 14.

Baker, Charles S., Corning, assignor to Ingersoll-Rand Company, New York, N. Y. Controlling device. 2,494,279, Jan. 10.

Baker & Co., Inc., assignee: *See*—
Greeff, Max.
Hill, James S.

Baker, Corwin W., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for upper trimming. 2,504,957, Apr. 25.

Baker, Corwin W., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Feeding mechanism for sole rounding machines. 2,508,361, May 23.

Baker, Corwin W., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Lasting machine. 2,516,942, Aug. 1.

Baker, Corwin W., Stoneham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Rounding machine. 2,508,360, May 23.

Baker, Craig C., Los Angeles, Calif. Drying and shrinking matrices. 2,517,273, Aug. 1.

Baker, David B.: *See*—
Johnson, Arnold E. W., Baker, and Crumb.

Baker, David B., Riverside, W. O. Bechman, Chicago, and W. W. Henning, River Grove, Ill., assignors to International Harvester Company. Vehicle change-speed and steering gear. 2,496,429, Feb. 7.

Baker, David B., Riverside, and C. R. Hagen, Chicago, Ill. Picker spindle. 2,497,777, Feb. 14.

Baker, Donald S.: *See*—
Sterrett, Kenneth R., and Baker.

Baker, Earl R., Windsor, N. C. Oil burning furnace with separable burner assembly rings therefor. 2,494,374, Jan. 10.

Baker, Edna M., Chicago, Ill. Hat fastener. 2,493,908, Jan. 10.

Baker, Edward A., assignee: *See*—
Newman, Robert J., and Friend.

Baker, Edwin E., Merced, Calif. Hoisting apparatus with an articulated mast boom. 2,524,748, Oct. 10.

Baker, Franklin B., deceased, Chicago, Ill.; R. C. Baker, executrix of said F. B. Baker. Core binder. 2,508,359, May 23.

Baker, Frederick C., and E. G. Spencer, Portland, Oreg. Detachable telescopic sight mounting. 2,505,319, Apr. 25.

Baker, Frederick C., and E. G. Spencer, Portland, Oreg. Telescopic sight mounting. 2,517,274, Aug. 1.

Baker, George H., and E. E. Crump, East Orange, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Antenna system. 2,492,951, Jan. 3.

Baker, George H., and E. E. Crump, East Orange, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. System for measuring and eliminating impedance variations. 2,500,625, Mar. 14.

Baker, George L., assignor of one-half to O. I. Taylor, Boulder, Colo. Electric storage battery. 2,505,876, May 2.

Baker, George L., Newark, Del., and M. Olliver, assignors to Chivers & Sons Limited, Histon, Cambridge, England. Manufacture of tablet jellies. 2,524,416, Oct. 3.

Baker, George T.: *See*—
Pearce, Owen A., and Baker.
Taylor, Reginald, and Baker.

Baker, George T., Liverpool, England, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Telephone system employing connecting switches having automatic impulsing means local to the connecting switches and controlled by the calling lines. 2,508,636, May 23.

Baker, George T., assignor to Automatic Telephone & Electric Company Limited, Liverpool, England. Counting arrangement. 2,513,442, July 4.

Baker, George T., Liverpool, England, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Contact bank for an automatic telephone switch including parallel elongated stationary conductors. 2,516,745, July 25.

Baker, George T., assignor to Automatic Telephone & Electric Company Limited, Liverpool, England. Electronic trigger circuits. 2,524,953, Oct. 10.

Baker, George T., Liverpool, England, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Telephone system employing finder switches for connecting calling lines to numerical switches. 2,530,802, Nov. 21.

Baker, George T., assignor to Automatic Telephone & Electric Company Limited, Liverpool, England. Calling line identifier having display device at operator's position. 2,532,750, Dec. 5.

Baker, Gerald T., Neligh, Nebr. Tractor loading attachment. 2,520,451, Aug. 29.

Baker, Harold E. D., Stourbridge, England. Latch for doors. 2,503,315, Apr. 11.

Baker, Herbert K., Detroit, Mich. Apparatus for feeding cutting tools. 2,516,842, Aug. 1.

Baker, J. T., Chemical Co., assignee: *See*—
Moore, Ralph G. D.

Baker, James G., Orinda, Calif., assignor to The Perkin-Elmer Corporation, Glenbrook, Conn. Highly corrected objective having two inner divergent meniscus components between collective components. 2,532,751, Dec. 5.

Baker, James G., Orinda, Calif., assignor to The Perkin-Elmer Corporation, Glenbrook, Conn. Highly corrected four component objective lens. 2,532,752, Dec. 5.

Baker, James N.: *See*—
Wilhide, Glenn C., Baker, and Holford.

Baker, John C.: *See*—
Pryor, Dean E., and Baker.

Baker, John C., Hewitt, assignor to Wallace & Tiernan Products, Inc., Belleville, N. J. Zinc salts of monoolefinic acids as antimycotics. 2,511,032, June 13.

Baker, John C., Montclair, assignor to Wallace & Tiernan Products, Inc., Belleville, N. J. Undecylenic acid and undecylenate antimycotic composition. 2,510,946, June 13.

Baker, John G., Evansville, Wis., assignor to United Aircraft Corporation, East Hartford, Conn. Centrifugally tuned lateral vibration absorber. 2,495,565, Jan. 24.

Baker, John S., assignor to Cook Electric Company, Chicago, Ill. Burner ignition and safety control system. 2,506,913, May 9.

Baker, John S., assignor to Cook Electric Company, Chicago, Ill. Pole cable terminal. 2,507,363, May 9.

Baker, John S., assignor to Cook Electric Company, Chicago, Ill. Liquid level control. 2,514,361, July 11.

Baker, John S., assignor to Cook Electric Company, Chicago, Ill. Protector unit construction. 2,522,700 Sept. 19.

Baker, John S., assignor to Cook Electric Company, Chicago, Ill. Time-delay relay. 2,525,334, Oct. 10.

Baker, Joseph A.: *See*—
Patterson, Matthew C., and Baker.

Baker, Lester W., Fort Worth, Tex. Fish lure. 2,532,879, Dec. 5.

Baker, Malvern S.: *See*—
Altman, Peter, and Baker.

Baker Manufacturing Company, The, assignee: *See*—
Washbond, Harry H.

Baker, Marlin S.: *See*—
Tefft, Ivan D., and Baker.

Baker, Marlin S., assignor to The Parker Pen Company, Janesville, Wis. Fountain pen. 2,528,327, Oct. 31.

Baker, Marlin S., Janesville, and R. W. Randolph, Milton, assignors to The Parker Pen Company, Janesville, Wis. Clutch mechanism for mechanical pencils. 2,528,328, Oct. 31.

Baker, Marlin S., Janesville, and R. W. Randolph, Milton, assignors to The Parker Penn Company, Janesville, Wis. Fountain pen cap. 2,533,082, Dec. 5.

Baker, Marvin A.: *See*—
Reardon, John W., and Baker.

Baker, Melvin D.: *See*—
Emblen, Herbert V., and Baker.

Baker Novelty Company, assignee: *See*—
Baker, William A.

Baker Oil Tools, Inc., assignee: *See*—
Baker, Aaron A.
Baker, Reuben C., and Althouse.
Lee, Francis H.
McGivern, Paul V.
Ragan, Thomas M.

Baker, Percy W., Wroxham, England. Electric lighting appliance. 2,511,558, June 13.

Baker Perkins Inc., assignee: *See*—
Evans, Thomas.

Baker Perkins Limited, assignee: *See*—
Dumbleton, Claude, and Gunston.
Tunley, Allan A.

Baker, Ralph B., assignor to Southern Mills, Incorporated, Atlanta, Ga. Ironer roll cover. 2,499,015, Feb. 28.
Baker, Ralph B., Springfield, Pa. assignor to American Viscose Corporation, Wilmington, Del. Dyeing acrylonitrile polymers by applying an insoluble azo dyestuff and then heating. 2,532,437, Dec. 5.
Baker, Randall B.: *See*—
Maloney, John H., and Baker.
Baker-Raulang Company, The, assignee: *See*—
Hawkins, Paul E.
Lehmann, Max.
Remde, Edward H.
Stoner, Frank.
Baker, Raymond G.: *See*—
Willett, Leon E., and Baker.
Baker, Rest R., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Core type reel drive. 2,508,135, May 16.
Baker, Rest R., Pittsburgh, and W. R. Harris, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Drive system. 2,498,234, Feb. 21.
Baker, Reuben C., Coalinga, assignor to Baker Oil Tools, Inc., Vernon, Calif. Control valve. 2,509,470, May 30.
Baker, Reuben C., Coalinga, and W. S. Althouse, Jr., Alhambra, assignors to Baker Oil Tools, Inc., Vernon, Calif. Valve device for well conduits. 2,493,650, Jan. 3.
Baker, Robert M., Baltimore, and E. M. Wharff, Arbutus, Md., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. High-frequency apparatus. 2,498,233, Feb. 21.
Baker, Robert W., Worcester, Mass. Combined truck and hoist device. 2,500,055, Mar. 7.
Baker, Robin, Lockney, and J. C. Fleming, Lubbock, Tex. Process and apparatus for discharging vaporizable liquids. 2,497,754, Feb. 14.
Baker-Roos, Inc., assignee: *See*—
Negovan, Albert.
Baker, Rose C., executrix, deceased: *See*—
Baker, Franklin B.
Baker, S. S., assignee: *See*—
McGoffin, William W.
Baker, Samuel K., assignor to The Glenn L. Martin Company, Middle River, Md. Diverter valve deflector. 2,522,249, Sept. 12.
Baker, Stanley L., Mariemont, and C. J. Butzine, assignors, by mesne assignments, to Institutum Divi Thomae Foundation, Cincinnati, Ohio. Evaporator. 2,510,057, June 6.
Baker, Stanley W., Paramus, N. J., assignor to Wright Aeronautical Corporation. Multispeed transmission. 2,506,986, May 9.
Baker, Theodore C., Newington, assignor to Hartford-Empire Company, Hartford, Conn. Apparatus for and method of tempering glass articles. 2,525,112, Oct. 10.
Baker, Vincent B.: *See*—
Fisher, Martin H., and Baker.
Baker, Virgil H., and C. M. Anderson, Springfield, Ohio, assignors to Elliott Company, Jeannette, Pa. Rotary expansible descaler for boiler tubes and the like. 2,500,238, Mar. 14.
Baker, Walter, White Hall, Oreg. Feed formula. 2,504,788, Apr. 18.
Baker, Webster E. B.: *See*—
Putnam, Charles P., and Baker.
Baker, Wedworth V., assignor to Detroit Sheet Metal Works, Detroit, Mich. Air washer. 2,498,718, Feb. 28.
Baker, William A., San Rafael, assignor to Baker Novelty Company, Los Angeles County, Calif. Steel wool holder. 2,496,371, Feb. 7.
Baker, William B.: *See*—
Haber, Max C., Baker, and Schnavely.
Baker, William E., Chickasha, Okla., assignor of twenty-six and two-thirds per cent to W. True, twenty-six and two-thirds per cent to R. I. Edwards, ten per cent to R. H. Sharpe, and ten per cent to W. B. Jones and E. B. Jordan. Resistance switch. 2,510,792, June 6.
Baker, William E., Chickasha, Okla., assignor of twenty-six and two-thirds per cent to W. True, twenty-six and two-thirds per cent to R. I. Edwards, ten per cent to R. H. Sharpe, and ten per cent to W. B. Jones and E. B. Jordan. Resistance switch. 2,510,793, June 6.
Baker, William E., Oklahoma City, Okla. Movie reader for children. 2,494,926, Jan. 17.
Baker, William H., Dayton, Ohio. Supersonic radar trainer signal reflecting prism and altitude ring suppressor. 2,510,947, June 13.
Baker, William O., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Forming expanded plastic materials. 2,502,304, Mar. 28.
Baker, William R.: *See*—
Kennedy, Joseph W., Baker, and Wiegand.
Baker, William R., Berkeley, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Electric discharge device. 2,512,538, June 20.
Baker, William R., Berkeley, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Induction reamer. 2,514,116, July 4.
Baker, William R., Berkeley, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Resistance-capacitance network. 2,523,856, Sept. 26.
Baker, William R., Berkeley, and Q. A. Kerns, Oakland, Calif., assignors to the United States of America as represented by the United States Atomic Energy Commission. Electronic switch. 2,535,886, Dec. 26.
Baker, Willis C., Long Beach, Calif. Hydraulically actuated pipe thread protector. 2,513,613, July 4.
Baker, Wren E., Baltimore, Md. Waterproof stocking and shoe protector. 2,497,528, Feb. 14.
Bakewell Aircraft Products Company, assignee: *See*—
Brekke, Peter.
Bakewell, G. G., assignee: *See*—
Diebel, Henry S.
Bakewell, George G., assignee: *See*—
Brekke, Peter.
Bakewell, Harding F., San Marino, Calif. Toolholder. 2,527,871, Oct. 31.
Bakker, Jan, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electrolytically polished graphite anode. 2,494,425, Jan. 10.
Bakker, Lubertus: *See*—
Hartstra, Lenze, Bakker, and van Westen.
Bakker, Willem, Arnhem, Netherlands, assignor to American Enka Corporation, Enka, N. C. Controlling the contours of rayon cakes. 2,508,483, May 23.
Bakst, Aaron, and S. L. Ruskin, New York, N. Y. Cigar and cigarette lighter. 2,516,843, Aug. 1.
Bakula, Walter M., Denver, Colo. Coaster wagon. 2,499,085, Feb. 28.
Balab: *See*—
Larsen, Rudolph H., and Bresee.
Balachowsky, Georges, Paris, France, assignor to General Electric Company. Percussion trip device for electric circuit breakers. 2,521,497, Sept. 5.
Balanda, Anthony J.: *See*—
Blakeslee, Clinton A., Balanda, and Dyson.
Balasquide, José E., Ponce, P. R. Machine for molding articles. 2,499,209, Feb. 28.
Balassa, Ladislaus, Riverside, R. I., assignor to The United States Finishing Company, Norwich, Conn. Crease-proofing textiles. 2,493,381, Jan. 3.
Balbi, Charles M. R., London, England. Earphone. 2,528,811, Nov. 7.
Balch, Gerald G., assignee: *See*—
Marks, Louis F.
Balch, Harry, deceased, Baltimore, Md.; H. R. Black, Jr., and A. J. Diener, administrators. Wild animal trap. 2,513,837, July 4.
Balch, Murrell C., Madison, and H. S. Sanderson, Decatur, Ala., said Sanderson assignor to said Balch. Pneumatic conveyer. 2,511,033, June 13.
Balch, Ralph H.: *See*—
Sitzler, Richard R., and Balch.
Balcrank, Inc., assignee: *See*—
O'Brien, Wilbur J.
Woelfer, Frank C.
Bald, Warren L., Los Angeles, Calif. Filling device for fuel tanks. 2,522,207, Sept. 12.
Baldanza, Nicholas T., Rutherford, assignor to Columbia Protektosite Company, Inc., Carlstadt, N. J. Hair comb. 2,508,363, May 23.
Balden, Alvin R., Plymouth, and L. M. Morse, Pontiac, assignors to Chrysler Corporation, Highland Park, Mich. Bath for brass immersion coating on aluminum and aluminum alloy. 2,496,845, Feb. 7.
Baldenhofer, William G., assignor to The Thompson Grinder Company, Springfield, Ohio. Method and apparatus for grinding. 2,534,941, Dec. 19.
Baldeschwieler, Agnes R., Asbury Park, N. J. Arm sling. 2,512,474, June 20.
Baldine, Joseph J., Hubbard, Ohio. Device for internal-combustion engines. 2,509,755, May 30.
Baldinger, Ernst, Basel, Switzerland. Electronic impulse counting circuit. 2,498,908, Feb. 28.
Baldo, Louie, United States Navy. Window wiper apparatus. 2,494,538, Jan. 17.
Baldo, Louie, United States Navy. Hose clamp. 2,522,494, Sept. 19.
Baldock, Harold: *See*—
Scaife, Charles W., and Baldock.
Baldock, Herbert, legal representative: *See*—
Scaife, Charles W., and Baldock.
Baldrica, Rena G., Plains, Pa. Underskirt. 2,532,532, Dec. 5.
Baldridge, Ernest B., Dayton, Ohio, and R. N. Green, New York, N. Y. Thrust indicator for jet engines. 2,524,749, Oct. 10.
Baldt, Thomas T., Springfield Gardens, N. Y. Automatic vehicle loader. 2,496,192, Jan. 31.
Baldwin, Charles A., Olney, Ill. Hydraulic seat. 2,516,172, July 25.
Baldwin, Clyde P., Claremont, N. H., assignor to Joy Manufacturing Company. Power-operated steering mechanism. 2,509,953, May 30.
Baldwin Company, The, assignee: *See*—
Jordan, John F.
Mork, Raymond P.
Schroth, Edward L.
Baldwin, Elmer W., Bassett, Nebr. Hay cutting device. 2,521,323, Sept. 5.
Baldwin, Francis P., Linden, N. J., assignor to Standard Oil Development Company. Atmospheric curing of isobutylenediolefin copolymers. 2,519,100, Aug. 15.

Baldwin, Francis P., Woodbridge, N. J., assignor to Standard Oil Development Company. Reclaiming vulcanized polymers by treatment with metalloid hydrides. 2,493,518, Jan. 3.

Baldwin, Francis P., Woodbridge, N. J., assignor to Standard Oil Development Company. Accelerated polymer curing method. 2,525,061, Oct. 10.

Baldwin, Frederick M., San Francisco, Calif. Continuous flow nut cracking apparatus. 2,504,374, Apr. 18.

Baldwin, Harold S.: *See*—
Coroniti, Samuel C., Schmidt, and Baldwin.

Baldwin-Hill Company, assignee: *See*—
Hollenberg, Frederick H., Jr.

Baldwin, Joe L.: *See*—
Park, Bernard C. H., and Baldwin.

Baldwin, John C., Bluefield, Va. Guard rail. 2,517,959, Aug. 8.

Baldwin Locomotive Works, The, assignee: *See*—
Baldwin, Southard N.
Hall, Keith W.
Lathrop, Robert P.
Lazan, Benjamin J.
Macgeorge, William D.
Maris, James C.
Metzger, Lewis W.
Schaevitz, Herman.
Staples, Dana R.
Tate, Malcolm C.

Baldwin, Mark L.: *See*—
Baldwin, Philip and M. L.

Baldwin, Philip and M. L., Humboldt, Minn. Combination post puller and jack. 2,532,533, Dec. 5.

Baldwin, Philip S., Florence, Italy. Wheel cylinder. 2,496,260, Feb. 7.

Baldwin, Robert D., Milwaukee, Wis. Outboard motor mounting plate. 2,527,904, Oct. 31.

Baldwin, Robert M., New Castle, Ind. Lawn mower reel blade comb attachment. 2,503,316, Apr. 11.

Baldwin, Robert R., Astoria, N. Y. Ornamental slip fit picture support unit. 2,524,647, Oct. 3.

Baldwin Rubber Company, assignee: *See*—
Haushalter, Fred L., and Hunter.

Baldwin, Southard N., Green Ridge, Pa., assignor to The Baldwin Locomotive Works. Supporting means for press platens. 2,500,791, Mar. 14.

Baldwin, William J., Snyder, assignor, by mesne assignments, to National Lead Company, New York, N. Y. Enamel opacifier and making. 2,500,231, Mar. 14.

Bale, Edward S.: *See*—
Schellentrager, William S., Bale, and Briggs.

Balfour-Guthrie & Company Limited, assignee: *See*—
Peterson, Russell G., and Brieger.

Balis, Earl W.: *See*—
Winslow, Arthur F., and Balis.

Balk, Albert A., Cleveland, Ohio. Inside caliper. 2,496,665, Feb. 7.

Ball, Albert L., Redondo Beach, Calif., and C. G. Rose, assignors to The Carborundum Company, Niagara Falls, N. Y. Metal bonded abrasive article. 2,506,556, May 2.

Ball, Albert P., assignor to Briggs Manufacturing Company, Detroit, Mich. Rotary valve internal-combustion engine. 2,498,846, Feb. 28.

Ball, Albert P., assignor to Briggs Manufacturing Company, Detroit, Mich. Sink assembly. 2,502,553, Apr. 4.

Ball, Alpheus M., Blacksburg, Va., assignor, by mesne assignments, to United States of America as represented by the Secretary of War. Explosive composition. 2,498,388, Feb. 21.

Ball, Charles J. P., London, F. A. Fox, Manchester, A. C. Jessup and E. F. Emley, Clifton Junction Works, near Manchester, assignors to Magnesium Elektron Limited, London, England. Production of magnesium base alloys containing zirconium. 2,497,529, Feb. 14.

Ball, Charles J. P., London, F. A. Fox, Manchester, A. C. Jessup and E. F. Emley, near Manchester, assignors to Magnesium Elektron Limited, London, England. Master alloy for introducing zirconium into magnesium. 2,497,530, Feb. 14.

Ball, Charles J. P., London, A. C. Jessup and E. F. Emley, near Manchester, and P. A. Fisher, Flixton, assignors to Magnesium Elektron Limited, London, England. Alloying composition for introducing zirconium into magnesium. 2,497,531, Feb. 14.

Ball, Charles J. P., A. C. Jessup, and P. A. Fisher, assignors to Magnesium Elektron Limited, Clifton Junction, near Manchester, England. Heat-treatment of magnesium base alloys. 2,520,753, Aug. 29.

Ball, Charles O.: *See*—
Switzer, Marshall H., and Ball.

Ball, Charles O., Maumee, Ohio, assignor to The United Products Company, Westminster, Md. Sterilizing food products. 2,502,196, Mar. 28.

Ball, Charles O., Maumee, Ohio, assignor to The United Products Company, Westminster, Md. Sterilizing corn products. 2,502,197, Mar. 28.

Ball, Charles O., Maumee, Ohio, assignor to Owens-Illinois Glass Company. Apparatus for heat-treating and sterilizing liquid foods. 2,508,212, May 16.

Ball, Harvey W., assignor to The Morgan Engineering Company, Alliance, Ohio. Furnace charging machine. 2,508,088, May 16.

Ball, Harvey W., assignor to The Morgan Engineering Company, Alliance, Ohio. Crane trolley. 2,521,324, Sept. 5.

Ball, Joseph A., Los Angeles, Calif., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Optical printing device. 2,502,305, Mar. 28.

Ball, Joseph A., Los Angeles, Calif., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Shrinkage compensation lens-positioning device for optical printers. 2,502,306, Mar. 28.

Ball, Joseph A., Los Angeles, Calif. Multicolor reproduction. 2,507,494, May 16.

Ball, Joseph A., Los Angeles, Calif. Photographic process for reproducing multicolor images. 2,508,213, May 16.

Ball, Joseph A., Los Angeles, Calif., A. B. Jennings, New Brunswick, N. J., and O. W. Murray, Burbank, Calif., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Photographic four-color light-sensitive stripping elements. 2,492,952, Jan. 3.

Ball, Joseph A., Los Angeles, Calif., A. B. Jennings, New Brunswick, N. J., and O. W. Murray, Burbank, Calif., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Light-sensitive bipack film for four-color photography. 2,492,953, Jan. 3.

Ball, Joseph A., Los Angeles, Calif., A. B. Jennings, New Brunswick, N. J., and O. W. Murray, Burbank, Calif., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Photographic four-color light-sensitive stripping elements. 2,492,954, Jan. 3.

Ball, Thomas M.: *See*—
McKechnie, Ian C., and Ball.

Ballagh, James C., Los Angeles, assignor, by mesne assignments, to Byron Jackson Co., Vernon, Calif. Pipe wiper cutter. 2,508,362, May 23.

Ballagh, James C., Los Angeles, assignor, by mesne assignments, to Byron Jackson Co., Vernon, Calif. Apparatus for installing casing protectors on drill pipes. 2,522,495, Sept. 19.

Ballantyne, Andrew P.: *See*—
Matasy, Joseph S., and Ballantyne.

Ballantyne, David H.: *See*—
Hooker, Stanley G., and Ballantyne.

Ballantyne, David H., Littleover, and A. Jubb, Buttersaw, Bradford, assignors to Rolls-Royce Limited, Derby, England. Fuel control system for aircraft gas-turbine power plants. 2,519,624, Aug. 22.

Ballantyne, George H., assignee: *See*—
Magnuson, Roy M.

Ballard, Almon O.: *See*—
Ballard, Vernon D. and A. O.

Ballard, Archbald H., and D. W. Marshall, Niagara Falls, Ontario, Canada, assignors to Norton Company, Worcester, Mass. Stabilized zirconia and producing same. 2,535,526, Dec. 26.

Ballard, Carl E., assignee: *See*—
Bailey, Robert G.

Ballard, Edwin L., Lansing, Mich. Pulley. 2,502,243, Mar. 28.

Ballard, Laurence O. and A. Brandt, Spokane, Wash. Spiral blade conveyor. 2,528,679, Nov. 7.

Ballard, Lester W., Avenal, Calif. Applying protector collars to drill pipes. 2,497,921, Feb. 21.

Ballard, Robert G.: *See*—
Lundberg, John E., and Ballard.

Ballard, Robert J., Lebanon, and J. A. Jackson, Indianapolis, Ind. Normally expansible anatomical diaphragm. 2,529,363, Nov. 7.

Ballard, Seaver A.: *See*—
Geyer, Bradford P., and Ballard.
Haury, Vernon E., and Ballard.
Smith, Curtis W., Norton, and Ballard.
Whetstone, Richard R., Ballard, and Ott.

Ballard, Seaver A., Orinda, R. C. Morris, Berkeley, and J. L. Van Winkle, San Lorenzo, assignors to Shell Development Company, San Francisco, Calif. Polyoxyalkylene compounds. 2,492,955, Jan. 3.

Ballard, Seaver A., Oakland, H. de V. Finch, El Cerrito, and E. A. Peterson, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Preparation of unsaturated hydrocarbons from unsaturated ketones. 2,492,956, Jan. 3.

Ballard, Seaver A., Orinda, R. C. Morris, Berkeley, and J. L. Van Winkle, San Lorenzo, assignors to Shell Development Company, San Francisco, Calif. Amino alkyleneoxide polymerization product. 2,498,195, Feb. 21.

Ballard, Seaver A., Orinda, and R. C. Morris, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Preparation of cyclic thioethers. 2,508,005, May 16.

Ballard, Seaver A., Orinda, R. C. Morris, Berkeley, and J. L. Van Winkle, San Lorenzo, assignors to Shell Development Company, San Francisco, Calif. Synthetic lubricant. 2,510,540, June 6.

Ballard, Seaver A., Orinda, and B. P. Geyer, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Preparation of amino alcohols. 2,513,132, June 27.

Ballard, Seaver A., Orinda, B. P. Geyer and R. H. Mortimer, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Preparation of glycols and glycol monoesters. 2,515,108, July 11.

Ballard, Seaver A., Orinda, R. C. Morris, Berkeley, and J. L. Van Winkle, San Lorenzo, assignors to Shell Development Company, San Francisco, Calif. Lubricating compositions. 2,522,155, Sept. 12.

Ballard, Seaver A., Orinda, and B. P. Geyer, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Purification process. 2,533,754, Dec. 12.

Ballard, Vernon D., Ferndale, and A. O. Ballard, Jerome, Mich. Toy scale. 2,507,950, May 16.

Ballentine, Edwin C. : *See*—
Mell, Clifford W., Ballentine, and O'Neill.

Baller, Melvin D., Little Silver, N. J., assignor to the United States of America as represented by the Secretary of War. Ultra high frequency ring oscillator. 2,497,854, Feb. 21.

Ballet, Jan J. : *See*—
Van Daele, Leon M., and Ballet.

Ballew, Frank E., Woodland, Mich. Road marker. 2,516,173, July 25.

Balliett, Charles G. : *See*—
Petz, John L., and Balliett.

Ballinger, Lee R., Cincinnati, Ohio. Switch for alarm systems. 2,509,667, May 30.

Ballou, B. A., & Co. Incorporated, assignee : *See*—
Ballou, Frederick A., Jr.
Morehouse, Eugene, and Ballou.

Ballou, Charles M., Foxboro, Mass., assignor to Swank, Inc. Key holder. 2,527,491, Oct. 24.

Ballou, Frederick A., Jr. : *See*—
Morehouse, Eugene, and Ballou.

Ballou, Frederick A., Jr., Providence, R. I., assignor to B. A. Ballou & Co. Incorporated. Solder carrier finding. 2,493,940, Jan. 10.

Ballou, John McK., Pasadena, and O. C. Filliung, assignors to Kirk-Rich Dial Corp., Los Angeles, Calif. Offset printing device. 2,519,335, Aug. 22.

Balls, Arnold K., and M. K. Walden, Berkeley, and R. R. Thompson, Albany, Calif., assignors to United States of America as represented by the Secretary of Agriculture. Preparation of beta-amylase from sweet potatoes. 2,496,261, Feb. 7.

Ball-Square Manufacturing Corp., assignee : *See*—
Pond, Gervis A.

Balmer, Donald F. : *See*—
Giovannucci, Julius L., Werbiskas, and Balmer.
Thompson, Lincoln, and Balmer.

Balmer, James A., assignor to Riley Stoker Corporation, Worcester, Mass. Hopper bottom furnace. 2,503,148, Apr. 4.

Balmer, James G., Jr., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Combined vehicle bumper guard and support structure for turn signal indicators or the like. 2,533,212, Dec. 12.

Balmer, Rex M., Rock Island, Ill. Christmas tree stand. 2,522,156, Sept. 12.

Balmfirth, Alfred, deceased, by D. B. and F. V. Balmfirth, Montreal, Quebec, and O. R. B. Collins, Toronto, Ontario, Canada, sole heirs. Grate and grate bar. 2,527,872, Oct. 31.

Balmfirth, Dorothy B., sole heir : *See*—
Balmfirth, Alfred.

Balmfirth, Frances V., sole heir : *See*—
Balmfirth, Alfred.

Balne, Frank : *See*—
Nelson, James E., Bosworth, Percy, Balne, and Holman.

Balogh, Roy O. : *See*—
Humpal, Eugene G., and Balogh.

Balogh, Roy O., assignor to The Weatherhead Company, Cleveland, Ohio. Hydraulic loom check. 2,506,697, May 9.

Balph, Dale T., Lexington, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Apparatus for drying fabrics or the like. 2,498,478, Feb. 21.

Balsam, Alfred D., San Francisco, Calif. Sunshade. 2,517,827, Aug. 8.

Balsbaugh, Jayson C., Newton Center, Mass., assignor to Aircraft-Marine Products, Inc., Harrisburg, Pa. Electrical condenser. 2,535,030, Dec. 26.

Balsbaugh, Paul H., Modesto, Calif. Nut and fruit gatherer. 2,503,990, Apr. 11.

Balsiger, Harold E., assignor to Landis Tool Company, Waynesboro, Pa. Headstock drive. 2,507,330, May 9.

Balsiger, Harold E., and C. C. W. Williams, assignors to Landis Tool Company, Waynesboro, Pa. Indicating device. 2,528,295, Oct. 31.

Baltes, Lawrence, Tonawanda, N. Y., assignor to Van Arsdale Corporation, Allentown, Pa. Rotary abrasive head. 2,522,920, Sept. 19.

Balthaser, Floyd J., San Gabriel, Calif. Mounting bracket. 2,492,945, Jan. 3.

Baltimore Biological Laboratory, assignee : *See*—
Brewer, John H., and Carski.
Carski, Theodore J.

Baltimore Paper Company, assignee : *See*—
Skow, Ross E.

Baltosser, Robert W., assignor to Seismograph Service Corporation, Tulsa, Okla. Reproducing and translating apparatus. 2,493,519, Jan. 3.

Baltzly, Richard, and A. P. Phillips, New York, N. Y., and L. O. Randall, Nutley, N. J., assignors to Burroughs Wellcome & Co. (U. S. A.) Inc., New York, N. Y. N - phenethyl - beta - alanine - derivatives. 2,503,652, Apr. 11.

Baltzly, Richard, and A. P. Phillips, New York, N. Y., and Lowell O. Randall, Nutley, N. J., assignors to Burroughs Wellcome & Co. (U. S. A.) Inc., New York, N. Y. N-phenethyl-beta-alanine derivatives. 2,534,567, Dec. 19.

Balzer, Abram P., Mountain Lake, Minn. Coupler. 2,525,471, Oct. 10.

Balzer, Harvey W., Downers Grove, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Operator register-sender controlled telephone switching system. 2,511,145, June 13.

Balzer, Harvey W., Downers Grove, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. System for controlling automatic signaling for telephone lines. 2,529,364, Nov. 7.

Balzer, Henry H., Perryton, Tex. Cattle guard gate. 2,518,855, Aug. 15.

Balzer, Mathias G. : *See*—
Meyer, David, and Balzer.

Balzer, Rudolf, West Springfield, Mass. Article dispensing machine. 2,496,689, Feb. 7.

Bambas, Louis L., Grosse Pointe Woods, assignor to Parke, Davis & Company, Detroit, Mich. Biphenyl compounds. 2,516,098, July 25.

Bamber, John R., London, England, assignor, by mesne assignments, to Unifold Mailing Machines Inc., Saginaw, Mich. Apparatus for feeding envelopes or the like from a stacked pile. 2,524,417, Oct. 3.

Bamberger, Alfred A., Flushing, assignor to Speedo Manufacturing Co., Inc., New York, N. Y. Precision hammer. 2,533,988, Dec. 12.

Banaszak, Joseph, Chicago, Ill., assignor to Sleepmakers, Inc. Wire reel control. 2,528,410, Oct. 31.

Banbury, Richard H., Hartford, Conn. Football practice apparatus. 2,532,880, Dec. 5.

Bancroft, George H., assignor, by mesne assignments, to Eastman Kodak Company, Rochester, N. Y. Removing volatile matter from rolls of sheet material in preparation for coating under vacuum. 2,518,268, Aug. 8.

Bancroft, James E., Jamaica, N. Y., assignor, by mesne assignments, to Allied Control Company, Inc. (1947). Coil winding machine. 2,531,962, Nov. 28.

Bancroft, Joseph C., Jamestown, N. Y. Awning window operating device. 2,528,572, Nov. 7.

Bancroft, Joseph, & Sons Co., assignee : *See*—
Ford, Florence M., and Hall.
Lippert, Arnold L.
MacIntyre, William R.

Band, Harald H. and R. R., Kew Gardens, N. Y. Refrigerator water fountain. 2,504,622, Apr. 18.

Band, Rae R. : *See*—
Band, Harald H. and R. R.

Bander, John H., Maywood, Calif. Hydraulic press attachment and frame. 2,502,072, Mar. 28.

Banes, Fred W., Westfield, and M. W. Swaney, Cranford, N. J., assignors to Standard Oil Development Company. Aryialkylolamines as stabilizers for emulsion polymer latices. 2,514,362, July 11.

Banes, Fred W., and E. Arundale, Westfield, N. J., assignors to Standard Oil Development Company. Alkyl phenol-hydroxylamine mixtures as polymerization shortstops. 2,514,363, July 11.

Banes, Fred W., and P. K. Frolich, Westfield, N. J., assignors to Standard Oil Development Company. Finishing of liquid polymers. 2,514,986, July 11.

Baney, Harry N., Muncie, Ind., assignor to Borge-Warner Corporation, Chicago, Ill. Milling machine head. 2,530,502, Nov. 21.

Baney, Harry N., L. A. C. Slentz, A. A. Kirkpatrick, and C. E. Brickley, Muncie, Ind., assignors to Borg-Warner Corporation, Chicago, Ill. Shaft concentricity testing and assorting machine. 2,531,317, Nov. 21.

Banff, Peter S., and V. Halversen, assignors to Presto Bandage Company, Chicago, Ill. Machine for making bandages. 2,511,559, June 13.

Bange, George E., Wichita, Kans., assignor to Bendix Aviation Corporation, New York, N. Y. Speed controlled coupling. 2,533,755, Dec. 12.

Bangham, Donald H., London, J. G. Bennett, New Malden, and R. Mayorcas, London, M. Pirani, Kingston Hill, and M. W. Thring, assignors to C. U. R. A. Patents Limited, London, England. Method of and apparatus for controlling the combustion rate and composition of the combustion gases in the burning of solid fuel. 2,515,545, July 18.

Bangs, Jane W., assignee : *See*—
Mumenthaler, Alfred.

Banigan, Thomas F., Kenmore, N. Y., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Polyethylene structures. 2,519,013, Aug. 15.

Banister, Robert T., Chesterland, assignor to Thompson Products, Inc., Cleveland, Ohio. Weldable nickel base alloy. 2,503,608, Apr. 11.

Bank, Albert M., Jersey City, N. J. Spring cushion for upholstered furniture. 2,515,177, July 18.

Bankauf, William F., East Paterson, and C. J. Harrington, Clifton, N. J., assignors, by mesne assignments, to Hewitt-Robins Incorporated. Hopper car discharge apparatus. 2,504,789, Apr. 18.

Banker, Oscar H., Evanston, Ill. Chuck. 2,495,050, Jan. 17.

Banker, Oscar H., Evanston, assignor to New Products Corporation, Chicago, Ill. Overrunning clutch. 2,504,173, Apr. 18.

Banker, Oscar H., Evanston, assignor to New Products Corporation, Chicago, Ill. Automatic transmission apparatus and controls. 2,507,137, May 9.

Banker, Oscar H., Evanston, assignor to New Products Corporation, Chicago, Ill. Shift control for automatic change-speed transmissions. 2,518,269, Aug. 8.

Banker, Oscar H., Evanston, assignor to New Products Corporation, Chicago, Ill. Change-speed transmission control. 2,530,753, Nov. 21.

Bankert, Ralph A.: *See*—
Gresham, Thomas L., and Bankert.

Bankert, Ralph A., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Reaction of betalactones with organic magnesium halides. 2,510,364, June 6.

Bankey, Ivan E., assignor, by mesne assignments, to The Lucas County Bank, Toledo, Ohio. Compounding and molding machine. 2,519,014, Aug. 15.

Banks, Charles T., Neenah, assignor to Victrylite Candle Company, Oshkosh, Wis. Candle dipping machine. 2,529,829, Nov. 14.

Banks, Claude R., San Francisco, Calif. Film observation window for motion-picture cameras. 2,515,169. July 18.

Banks, Reginald M., New York, N. Y., and R. B. Barnes, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Moldable condensation products of silvered formaldehyde. 2,500,113, Mar. 7.

Banks, Sydney E., Sheffield, England. Labeling machine for cylindrical bottles and like articles. 2,509,902, May 30.

Banks, Vere J., Stroudsburg, Pa. Lawn mower attachment. 2,509,080, May 23.

Banks, Waldo H., Hopedale, Mass. Pivoted cam jar cap wrench. 2,505,517, Apr. 25.

Banner, Francis L., assignor to Mueller Co., Decatur, Ill. Relief valve. 2,497,201, Feb. 14.

Banner, Herbert F., Easton, Md. Heel. 2,531,963, Nov. 28.

Banner, Le Roy, McDonald, Ohio. Measuring apparatus. 2,514,985, July 11.

Banneyer, Joseph, Chicago, Ill. Form apparatus for wall openings. 2,515,977, July 18.

Banning, Frederick D., Topango, Calif. Clamping band. 2,521,962, Sept. 12.

Banning, Thomas A., Jr., Chicago, Ill. Projectile. 2,507,878, May 16.

Bänninger, Fritz, Zurich, Switzerland. Device for holding and shaping long tapering stock. 2,500,735, Mar. 14.

Bannister, Bryant, assignor to H. H. Robertson Company, Pittsburgh, Pa. Combined hydraulic clutch and hydraulic torque converter transmission unit. 2,502,364, Mar. 28.

Bannister, Bryant, Pittsburgh, Pa., assignor to National Tube Company. Tube forming. 2,503,464, Apr. 11.

Bannister, Eric D.: *See*—
Maitland, Angus C. M., and Bannister.

Bannon, John F., Providence, R. I. Mechanism for controlling web material. 2,521,440, Sept. 5.

Bannon, John H., Union, N. J., assignor to Standard Oil Development Company. Cleansing of polymerization reactors. 2,530,144, Nov. 14.

Bannon, John H., Cranford, and S. C. Lane, Roselle, N. J., assignors to Standard Oil Development Company. Preventing the sticking of polymers to drying, etc., surfaces. 2,532,985, Dec. 5.

Banoczi, Joseph A., Darien, Conn. Smoking article holder. 2,527,516, Oct. 31.

Bantar, Incorporated, assignee: *See*—
McBride, John W.

Banthin, John F., Bridgeport, Conn. Delivery gripper for printing presses. 2,509,030. May 23.

Bany, Herman, and H. T. Seeley, Lansdowne, Del., assignors to General Electric Company. Differential protective arrangement. 2,510,616, June 6.

Bar, Peter J., Middlesex, England. Apparatus for treating solid particles in a conditioning fluid. 2,502,916, Apr. 4.

Baranauckas, Charles F.: *See*—
McBeel, Earl T., and Baranauckas.

Baranov, Nathalie, assignor to Societe Anonyme de Telecommunications, Paris, France. Device for reduction of crosstalk between two coaxial pairs of a telephone cable. 2,518,271, Aug. 8.

Baratelli, Charles A., Boston, assignor to Polaroid Corporation, Cambridge, Mass. Ophthalmic device. 2,534,655, Dec. 19.

Barbagelata, Angelo, Matawan, N. J. Operating means for hand tools adapted for use in relatively inaccessible or cramped locations. 2,519,536, Aug. 22.

Barbara, Frank C. V., New Orleans, La. Collapsible music stand. 2,507,620, May 16.

Barbara, Louis J., Woodside, and M. M. Klein, Jackson Heights, N. Y., and B. Howard, North Arlington, N. J. Recording and reproducing apparatus. 2,525,995, Oct. 17.

Barbaras, Glen D.: *See*—
Schaeffer, George W., and Barbaras.

Barbe-Boujours, Ludovico M., Vigo-Espineiro, Spain. Composite weld rod. 2,525,852, Oct. 17.

Barbee, Edwin W., San Carlos, Calif. Control mechanism for metering gases to fluids. 2,498,196, Feb. 21.

Barber-Colman Company, assignee: *See*—
Burlingame, Stanley W.
Crandall, Charles B.
Drake, Russell P.
Lilja, Edgar D.
Marcellus, Brooks.
Peterson, Burt A.
Rehwald, Edmund A.
Sweger, Russell P.
Young, Arthur R.

Barber, Ethel A., assignee: *See*—
Gilbert, Edward.

Barber, Everett M.: *See*—
Albert, Edward V., Randall, and Barber.

Barber, Everett M., Wappingers Falls, assignor to The Texas Company, New York, N. Y. Apparatus for catalytic treatment of hydrocarbons. 2,516,943, Aug. 1.

Barber, Harry J., Gidea Park, assignor to May & Baker Limited, Essex, England. Production of phenanthridine derivatives. 2,495,051, Jan. 17.

Barber, Hiram E., Crete, Nebr. Adjustable wrench having plier-like handles. 2,498,235, Feb. 21.

Barber, Hiram E., Crete, Nebr. Tire bead and rim separating lever. 2,518,114, Aug. 8.

Barber, Hiram L., Newtown, and G. I. Sellars, Milford, Ohio. Apparatus for sorting and testing sticks. 2,515,392, July 18.

Barber, Howard M., Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Folding, cutting, and delivering mechanism. 2,501,835, Mar. 28.

Barber, Howard M., Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Folding, cutting, and delivering mechanism. 2,501,836, Mar. 28.

Barber, Ira J., assignor to The Fostoria Pressed Steel Corporation, Fostoria, Ohio. Pattern density ray approximating reflector. 2,492,946, Jan. 3.

Barber, Jesse, Spokane, Wash. Casting universal joints. 2,529,586, Nov. 14.

Barber, Joseph B., Mount Vernon, Ohio. Glass cutting table. 2,512,821, June 27.

Barber, Oddous R., Lynn, and J. J. McSweeney, Roxbury, Mass. Blueprint reeling device. 2,510,058, June 6.

Barber Oil Corporation, assignee: *See*—
Smith, Preston R.

Barber, Opal A., Oklahoma City, Okla. Ventilator. 2,509,797, May 30.

Barber, Raleigh T., Tampa, Fla. Key holder. 2,513,135, June 27.

Barber, Richard J.: *See*—
Grant, Gordon A., Glen, and Barber.

Barber, Ronald S. V., and D. R. Lester, assignors to Dowsett Engineering Construction Limited, Malvern, England. Manufacture of prestressed concrete sleepers and like beams. 2,511,761, June 13.

Barber, William V., Norfolk, Va. Fireplace with supplemental draft means. 2,497,486, Feb. 14.

Barbera, Edmund, Howard Beach, N. Y. Inflatable display form. 2,529,125, Nov. 7.

Barbey, Raymond A. M., Paris, France. Electric calculating machine. 2,503,932, Apr. 11.

Barbey, Raymond A. M., Paris, France. Electric calculator for studying correlative variations of quantities interconnected by a system of mathematical relations forming a double entry chart. 2,509,718, May 30.

Barbieri, Cesare, New York, N. Y., assignor to Dixie Cup Company, Chicago, Ill. Lid for paper containers. 2,505,748, May 2.

Barbieri, Nicholas, Providence, R. I., assignor to Uncas Manufacturing Company. Picture display holder. 2,504,375, Apr. 18.

Barbieri, Nicholas, Providence, R. I., assignor to Uncas Manufacturing Company. Attaching means for plastic members. 2,508,900, May 23.

Barbknecht, Fred W.: *See*—
Buck, Foster, Barbknecht, and Bowers.

Barbknecht, Fred W., Palos Heights, Ill., assignor to International Harvester Company. Machine for beveling notches in coulter disks. 2,533,756, Dec. 12.

Barbour Welting Company, assignee: *See*—
Vizard, William C.

Barcalo Manufacturing Company, assignee: *See*—
Denney, James H.
Ross, Hollis R.

Barcenas, Alfredo Sainz y: *See*—
Séneca y Laborde, Julio, and Barcenas.

Barch, William E., assignor to Standard Brands Incorporated, New York, N. Y. Pyrophosphate baking powder. 2,532,281, Dec. 5.

Barchok, Donald, Wilkes-Barre, Pa., assignor to the United States of America as represented by the Secretary of the Army. Synchronizing detection and interrogation systems. 2,515,178, July 18.

Barclay, Charles E., Philomath, Oreg. Measuring instrument. 2,504,244, Apr. 18.

Barclay, Ralph K.: *See*—
Fierke, Scheuring S., and Barclay.
Barclay, William, Richmond, Calif. Jar lid wrench. 2,496,262, Feb. 7.
Barclay, William L., Jr., Scarsdale, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system for alternating current motors. 2,498,236, Feb. 21.
Barclays Bank Limited, administrator: *See*—
Cunningham, Leslie B. C., Ford, Barnes, Sykes, Hancock, and Robinson.
Barco, Allen A., Jackson Heights, N. Y., assignor to Radio Corporation of America. Phase detector. 2,503,700, Apr. 11.
Barcus, Russell A., Los Angeles, Calif. Folding table and bench. 2,506,852, May 9.
Bard, F. N., assignee: *See*—
Clark, Robert S.
Bard, Francis N., Highland Park, Ill. Revolving joint. 2,502,365, Mar. 28.
Bard, Francis N., Highland Park, Ill. Joint. 2,531,020, Nov. 21.
Bard, Francis N., Highland Park, Ill. Swing joint. 2,531,021, Nov. 21.
Bard-Parker Company, Inc., assignee: *See*—
Arden, Thomas R.
Hallowell, Horace J.
Bardeen, John, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Three-electrode circuit element utilizing semiconductive materials. 2,524,033, Oct. 3.
Bardeen, John, Summit, and W. H. Brattain, Morristown, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Three-electrode circuit element utilizing semiconductive materials. 2,524,035, Oct. 3.
Bardega, Joseph, assignor of one-half to F. Pasznicki, Detroit, Mich. Combined sash and screen. 2,514,438, July 11.
Bardelmeier, Julius E.: *See*—
Warner, Floyd F., Brooks, and Bardelmeier.
Barden Corporation, The, assignee: *See*—
Ericson, Folke E., and Northrop.
Barden, William E.: *See*—
McIntyre, Charles A., and Barden.
Bardet, Gérard, assignor to Societe Anonyme Machines Automatiques Bardet, Paris, France. Transfer mechanism for cylindrical articles. 2,512,083, June 20.
Bardet, Maurice, Vincennes, France. Rolling track for machine tools. 2,519,101, Aug. 15.
Bardgett, William E., assignor to The United Steel Companies Limited, Sheffield, England. Boron-treated molybdenum steel. 2,513,395, July 4.
Bardons and Oliver, Inc., assignee: *See*—
Oliver, Lockwood.
Bardshar, Camilia C.: *See*—
Bardshar, Henry P.
Bardshar, De Yo E., Tacoma, Wash. Humidifier and top oiler for internal-combustion engines. 2,526,530, Oct. 17.
Bardshar, Henry P., Los Angeles, Calif.; C. C. Bardshar, administratrix of said H. P. Bardshar, deceased. Spring-lift jaw cable grip. 2,493,214, Jan. 3.
Barecki, Chester J., assignor to American Seating Company, Grand Rapids, Mich. Vertically adjustable link supported seat. 2,527,905, Oct. 31.
Bareham, Maurice N.: *See*—
Carnagua, Harold E., and Bareham.
Barfod, Frederik: *See*—
Wirth, Emil O., and Barfod.
Barford, Norman C.: *See*—
Pearce, Albert F., Barford, and Mayo.
Barford, Norman C., Hayes, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Tuning mechanism for hollow electrical resonators. 2,501,303, Mar. 21.
Barford, Norman C., Prittlewell, Southend, assignor to Electric & Musical Industries Limited, Hayes, England. Electron discharge device. 2,506,627, May 9.
Barfus, Irving, Brooklyn, N. Y. Relief wheel for automotive vehicles. 2,533,869, Dec. 12.
Bargen, William J., Waukegan, Ill. Typewriter desk. 2,499,713, Mar. 7.
Barger, George K.: *See*—
Jones, Lyman L., and Barger.
Barger, George K., Seattle, Wash., assignor to American Can Company, New York, N. Y. Producing container bodies. 2,515,179, July 18.
Barghausen, Louis H., Pittsburgh, Pa. Artificial limb knee structure. 2,513,134, June 27.
Baribault, Joseph F., New Haven, Conn. Package lifting tongs. 2,503,430, Apr. 11.
Barich, John J., Jr.: *See*—
Brady, Charles A., Jr., and Barich.
Pruellage, Frank J.
Baril, Samuel J., Brooklyn, assignor to The Hobar Co., Inc., New York, N. Y. Spring clamp. 2,515,849, July 18.
Barium Steel Corporation, assignee: *See*—
Smith, Arthur D.
Barkalow, Clare E.: *See*—
Haskins, Robert, Jr., and Barkalow.
Barkalow, Clare E., Lloyds Harbor, assignor to The Sperry Corporation, Great Neck, N. Y. Gyroscopic instrument. 2,512,598, June 27.
Barkalow, Clare E., Floral Park, N. Y., and R. Haskins, Jr., Rutherfordton, N. C., assignors to The Sperry Corporation. Attitude gyroscope. 2,523,270, Sept. 26.
Barkan, Louis R., and M. L. Anderson, Massillon, assignors to Eaton Manufacturing Company, Cleveland, Ohio. Snap ring tool. 2,510,206, June 6.
Barkan, Louis R., and M. L. Anderson, Massillon, assignors to Eaton Manufacturing Company, Cleveland, Ohio. Split ring expander. 2,532,141, Nov. 28.
Barkas, Walter H., Seattle, Wash. Pressure-compensated mixing valve. 2,511,094, June 13.
Barkeij, Jean A. H., Altadena, Calif. Combustion chamber for internal-combustion engines. 2,522,921, Sept. 19.
Barkeij, Jean A. H., Altadena, Calif. Semiautomatic gearshift transmission together with a combined fuel control element and manual gearshifter. 2,535,027, Dec. 19.
Barkelew, Richard C., Sierra Madre, Calif. Fluid mixture and volume control valve. 2,501,657, Mar. 28.
Barker, Albert W., Billings, Mont. Nozzle sprinkler attachment. 2,527,388, Oct. 24.
Barker, Charles E., Essex, assignor to Sylvania Electric Products Inc., Salem, Mass. Support for lighting fixtures employing elongated tubular lamps. 2,529,990, Nov. 14.
Barker Equipment Company, Inc., assignee: *See*—
Bruce, Robert A.
Barker, Eros V., assignor to The Perfection Steel Body Company, Galion, Ohio. Pawl and ratchet transmission mechanism. 2,504,623, Apr. 18.
Barker, Eugene: *See*—
Bohmer, Clarence L., and Barker.
Barker, Eugene, assignor to The Jaeger Machine Company, Columbus, Ohio. Swivel joint. 2,518,216, Aug. 8.
Barker, James W. and S. C., Middletown, R. I. Amusement apparatus. 2,505,659, Apr. 25.
Barker, John, and M. Ghere, Centralia, Ill., assignors, by mesne assignments, to Yazoo Manufacturing Company, Inc., Jackson, Miss. Rotating cutting disk type mower. 2,505,377, Apr. 25.
Barker, John L., Norwalk, Conn., assignor, by mesne assignments, to Eastern Industries, Incorporated. Traffic detection apparatus. 2,521,683, Sept. 12.
Barker, Maurice E., United States Army. Shoulder gun of recoilless type. 2,515,180, July 18.
Barker, Maurice E., Washington, D. C., assignor to the United States of America as represented by the Secretary of War. Thermit ammunition. 2,534,215, Dec. 19.
Barker, Melvin A., and H. J. Finch, Detroit, and A. J. Rooks, Hamtramck, Mich. Automatic adjustable torque wrench. 2,527,517, Oct. 31.
Barker, Milford, Washington C. H., Ohio. Switch operator for storage bin indicators. 2,526,191, Oct. 17.
Barker, Orrin W.: *See*—
Armitage, Joseph B., and Barker.
Barker Poultry Equipment Company, assignee: *See*—
Sharp, Allen.
Barker, Seth S., Ottumwa, Iowa. Machine for processing eggs. 2,500,396, Mar. 14.
Barker, Stephen C.: *See*—
Barker, James W. and S. C.
Barker, Sydney W., Colne, assignor to Lustrafil Limited, Nelson, England. Continuous process for the production and treatment of artificial threads. 2,525,760, Oct. 17.
Barker, Sydney W., Colne, assignor to Lustrafil Limited, Nelson, England. Collection of artificial yarn on ring spindles. 2,530,146, Nov. 14.
Barker, Sydney W., Colne, and G. L. Godman, Thornton-on-Craven, Skipton, assignors to Lustrafil Limited, Nelson, England. Continuous process for the production and treatment of artificial threads and apparatus therefor. 2,526,110, Oct. 17.
Barker, Walter E.: *See*—
Eaton, Milton, and Barker.
Barker, William A.: *See*—
Hazelton, George, Barker, and Gibson.
Barker, William M., Greece, and R. H. Bechtold, Irondequoit, assignors to General Railway Signal Company, Rochester, N. Y. Voice frequency signal device. 2,516,361, July 25.
Barkey, Kenneth T., and J. W. Mench, assignors to Eastman Kodak Company, Rochester, N. Y. Partially de-etherified cellulose cyanoethyl ethers and their preparation. 2,525,514, Oct. 10.
Barkhuff, Raymond A., Jr., Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Rapid-curing phenolic resins. 2,513,274, July 4.
Barkhuff, Raymond A., Jr., Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Sealing porous structures. 2,513,614, July 4.
Barkley, Archibald S., Detroit, Mich. Model airplane propeller. 2,535,527, Dec. 26.
Barkley, Earnest L., Jr., Reidsville, N. C. Hogshead. 2,514,829, July 11.
Barkley, Robert Y., Weems, Va. Lubricant system of control for automobile engines. 2,523,937, Sept. 26.
Barkow, Eugene V.: *See*—
Ashton, Benjamin N., and Barkow.

Barkschat, Doris, Beverly Hills, Calif. Fruit picker. 2,516,540, July 25.

Barksdale, Beverly E., Sr., Charlotte, N. C. Drying lumber. 2,507,190, May 9.

Barksdale, George R., Troy, N. C. Liquid soap dispenser. 2,529,365, Nov. 7.

Barkstrom, Elmer E., and J. Gurskis, Jr., Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Granular material feeding and spreading apparatus. 2,507,294, May 9.

Barkstrom, Elmer E., and J. Gurskis, Jr., Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Winding and talc applying apparatus. 2,508,484, May 23.

Barkstrom, Reynold, Moline, Ill., assignor to International Harvester Company. Endless chain gatherer for corn harvesters. 2,527,786, Oct. 31.

Barling, Leslie C., Johannesburg, Transvaal, Union of South Africa. Outlet valve held open by flow. 2,534,942, Dec. 19.

Barlow, Benjamin W., Wembley, assignor to D. Napier & Son Limited, London, England. Internal-combustion engine power plant. 2,497,970, Feb. 21.

Barlow, Dick S., Port Washington, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Alternating current control device. 2,519,425, Aug. 22.

Barlow, Garland P., Dunbar, W. Va. Fluid container opener. 2,516,746, July 25.

Barlow, George W.: *See*—
Kropa, Edward L., and Barlow, Smerechniak, Jerry J., and Barlow.

Barlow, George W., Aberdeen, Wash. Hot-water bottle stopper and heat maintainer. 2,507,750, May 16.

Barlow, Harry, Freeman, W. Va. Magazine type hot-air heater. 2,513,443, July 4.

Barlow, Kenneth F., Preston, assignor to The English Electric Company Limited, London, England. Electric billet heating machine. 2,504,790, Apr. 18.

Barlow, Robert C., Louisville, Ky. Hinge construction. 2,505,848, May 2.

Barlow, Thomas E., Jackson, Ohio, assignor to Eastern Clay Products, Inc. Foundry core composition. 2,503,088, Apr. 4.

Barnaby Manufacturing and Tool Company, assignee: *See*—
Toth, Barnabas P.

Barnard, Alfred L.: *See*—
Duvall, William H., and Barnard.

Barnard, Harvie, Clinton, Iowa, and E. M. Wharton, Bound Brook, N. J., assignors to the United States of America as represented by the Secretary of War. Consistency meter. 2,533,213, Dec. 12.

Barnard, Joseph W., assignee: *See*—
Fox, Charles L.

Barnard, Randolph H., Toledo, assignor, by mesne assignments, to Glass Fibers, Inc., Waterville, Ohio. Apparatus for making staple fiber. 2,518,744, Aug. 15.

Barnby, Herbert A.: *See*—
Hohl, John, Barnby, and Wheaton.

Barnebey, Herbert L., Richmond Township, Allegheny County, assignor to Blaw-Knox Company, Pittsburgh, Pa. Electric immersion heater. 2,531,385, Nov. 28.

Barnes, Alfred H., Glendale, and F. Grosse, Los Angeles, Calif., assignors, by mesne assignments, to Rubberset Company, Newark, N. J. Apparatus for applying paint. 2,509,954, May 30.

Barnes, Allen, Missoula, Mont. Gun sight. 2,498,329, Feb. 21.

Barnes, Arthur, Waltham, assignor to Polaroid Corporation, Cambridge, Mass. Ultraviolet absorbing filter. 2,534,654, Dec. 19.

Barnes, Brady E.: *See*—
Klasey, John H., Wiegner, and Barnes.

Barnes, Bruce E., Youngstown, Ohio. Awning operator. 2,524,508, Oct. 3.

Barnes, Byron H., assignee: *See*—
Wheaton, Ray O., and Wilde.

Barnes, Carl E.: *See*—
Jones, Griffin D., and Barnes.

Barnes, Carl E., Belvidere, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Alpha-substituted haloacrylic compounds and their manufacture. 2,514,305, July 4.

Barnes, Carl E., Belvidere, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Polymerization of vinyl biphenyl. 2,527,346, Oct. 24.

Barnes, Carl E., Belvidere, N. J., and W. O. Ney, Jr., Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y. Polymerization of alpha-haloacrylic compounds. 2,499,811, Mar. 7.

Barnes, Carl E., Pipersville, and W. O. Ney, Jr., Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y. Reversible gel composition. 2,506,537, May 2.

Barnes, Carl E., Belvidere, N. J., and W. O. Ney, Jr., Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y. Production of haloacrylic compounds. 2,515,686, July 18.

Barnes, Carl E., Belvidere, N. J., and W. O. Ney, Jr., Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y. Photographic silver halide emulsions. 2,522,771, Sept. 19.

Barnes, Cecil D., Kansas City, Mo. Mower. 2,502,696, Apr. 4.

Barnes, Charles R., Pittsburgh, Pa., assignor to Albany Felt Company, Albany, N. Y. Treating wool and fabrics formed therefrom to increase their resistance to decomposition by heat. 2,515,181, July 18.

Barnes, Clarence E.: *See*—
Barnes, Everett M. and C. E.

Barnes, Clay T., Philadelphia, Pa. Bacon cooking aid. 2,513,839, July 4.

Barnes Drill Co., assignee: *See*—
Seborg, Earnest Y.

Barnes-Duluth Shipbuilding Company, assignee: *See*—
Branzell, Edward D.

Barnes, Emmett A., Marietta, Ohio. Safety lock for window sashes. 2,532,881, Dec. 5.

Barnes, Everett M. and C. E., New Paris, Ohio. Automatic safety throwoff mechanism. 2,504,624, Apr. 18.

Barnes, Frank A.: *See*—
Numsen, Phalen H., and Barnes.

Barnes, Frederick H., Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey. Water-cooled arch. 2,521,325, Sept. 5.

Barnes, George W., Jr., Clifton Heights, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Time interval recorder. 2,519,537, Aug. 22.

Barnes, George W., Jr., Clifton Heights, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Multiple record, single marker recording system. 2,527,207, Oct. 24.

Barnes, George W., Jr., Clifton Heights, and J. F. Goetz and W. P. Wills, Philadelphia County, Pa., assignors, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Recording instrument. 2,508,592, May 23.

Barnes, Gladeon M., assignor to The Budd Company, Philadelphia, Pa. Center plate construction. 2,509,955, May 30.

Barnes, Harold E., East Orange, assignor to Ferris Instrument Laboratories, Boonton, N. J. Electrical capacitance device. 2,494,502, Jan. 10.

Barnes, Harriet C., assignee: *See*—
Wheaton, Ray O., and Wilde.

Barnes, James F., Chicago, Ill. Server device. 2,507,951, May 16.

Barnes, Jeffery W.: *See*—
Cunningham, Leslie B. C., Ford, Barnes, Sykes, Hancock, and Robinson.

Barnes, Jeffrey W., Farnborough and J. S. Philpot, Oxford, England. Gyroscopic system. 2,501,885, Mar. 28.

Barnes, Jesse W., assignor of fifty per cent to J. J. Byard, 3rd, Oneonta, N. Y. Exhaust pressure reducing attachment for engine exhaust pipes. 2,500,510, Mar. 14.

Barnes, Joseph B., Hampton, Va. Training chair for children. 2,513,444, July 4.

Barnes, Kenneth H., assignor to American Wheelabrator & Equip. Corp., Mishawaka, Ind. Surface treating device. 2,493,215, Jan. 3.

Barnes, Kenneth J., Richmond, Calif. Ground fault locating device. 2,529,126, Nov. 7.

Barnes, Malcolm H., Kenmore, N. Y., assignor to The Linde Air Products Company. Forming jewel bearing blanks. 2,511,962, June 20.

Barnes Manufacturing Co., assignee: *See*—
Swilik, Edward C.

Barnes, Randolph C., Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif. Engine governor. 2,511,095, June 13.

Barnes, Ray E., Seattle, Wash. Ball projector. 2,506,190, May 2.

Barnes, Robert A., Spicer, Colo. Articulated power-operated hay-rake. 2,533,417, Dec. 12.

Barnes, Robert B.: *See*—
Banks, Reginald M., and Barnes.
Ham, Garnet P., and Barnes.

Barnes, Robert B., Cambridge, Mass., assignor to the United States of America as represented by the Secretary of War. Antenna structure. 2,501,020, Mar. 21.

Barnes, Thomas G., Durham, N. C., and M. J. Burger, Murray Hill, N. J., assignors to the United States of America as represented by the Secretary of War. Electrical system for locating a sound source. 2,535,255, Dec. 26.

Barnes, Wallace A., Cleveland, Ohio, assignor to The Langenau Manufacturing Company. Fastening device comprising hook-and-eye elements. 2,534,396, Dec. 19.

Barnes, Walter C., Lake Bluff, H. W. Keevil, Evanston, and J. C. Dionne, Chicago, Ill. Flaw detecting method and apparatus for ferromagnetic bodies. 2,497,855, Feb. 21.

Barnes, Walter C., Lake Bluff, and H. W. Keevil, Evanston, Ill. Apparatus and method for detecting flaws in magnetizable bodies. 2,497,856, Feb. 21.

Barnes, Welden F., assignee: *See*—
Horan, Maurice K., and Cade.

Barnes, William A., Utica, N. Y., assignor to Utica Drop Forge & Tool Corporation. Dovetail tool. 2,535,383, Dec. 26.

Barnes, William E.: *See*—
Chancy, Preston E., and Barnes.

Barnes, William E., Beaumont, Tex., assignor to Sun Oil Company, Philadelphia, Pa. Well bore caliper with helically traveling feeler. 2,514,355, July 11.

Barnes, William E., Beaumont, Tex., assignor to Sun Oil Company, Philadelphia, Pa. Pressure regulator for float systems. 2,520,302, Aug. 29.
Barnet, Morris, Philadelphia, Pa. Carrying case for motion-picture reels. 2,499,623, Mar. 7.
Barnett, Benjamin, assignor to Shell Development Company, San Francisco, Calif. Preparation of betalactones. 2,513,615, July 4.
Barnett, Benjamin G., and B. B. Westmoreland, Dallas, Tex.; said Westmoreland assignor to said Barnett. Foldable canopy frame. 2,510,365, June 6.
Barnett, Guy F., assignor to Philco Corporation, Philadelphia, Pa. Impedance-matching device. 2,516,944, Aug. 1.
Barnett, Lewis A., Asheville, N. C. Computing level. 2,534,216, Dec. 19.
Barnett, Max, Brooklyn, N. Y. Curtain rod. 2,511,762, June 13.
Barnett, Rex O., Heber Springs, Ark. Tire removing tool. 2,513,707, July 4.
Barnett, Robert S.: *See*—
Ashburn, Harry V., Barnett and Puryear.
Barnett, William, Brattleboro, Vt. Golf putting game receptacle. 2,508,701, May 23.
Barney, Arthur L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Transparent wrapping films of 2,3-dichlorobutadiene copolymers. 2,496,976, Feb. 7.
Barney, Arthur L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Heat stabilized polymeric 2,3-dichloro-1,3-butadiene and obtaining same. 2,516,945, Aug. 1.
Barney, Edwin R., Waltham, Mass. Protector for gas pump nozzles. 2,524,509, Oct. 3.
Barney, Freeman: *See*—
Lee, James E., and Barney.
Barney, Harold L., Madison, and R. C. Mathes, Maplewood, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Self-biased solid amplifier. 2,517,960, Aug. 8.
Barney, Harold L., Madison, L. C. Peterson, Chatham, R. K. Potter, Madison, and R. W. Sears, West Orange, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron beam tube filter. 2,531,600, Nov. 28.
Barnhardt, William H., assignee: *See*—
Brock, John B.
Barnhart, Blair, Philadelphia, and E. A. Gott, Lansdowne, Pa., assignors to Sunroc Refrigeration Company, Dover, Del. Tube joint. 2,504,625, Apr. 18.
Barnhart, Frank H., Fostoria, Ohio. Phonograph record disk. 2,503,609, Apr. 11.
Barnhart, John, and G. B. Toney, Eaton, Ohio. Hog coop. 2,532,830, Dec. 5.
Barnhill, Jarrell L., Norman, Okla. Bale tying mechanism. 2,516,445, July 25.
Barnwell, Irving, New York, N. Y. Burglar alarm switch. 2,500,335, Mar. 14.
Baron, Abraham L., assignor to S. B. Penick & Company, New York, N. Y. Fractionation of tyrothricin. 2,534,541, Dec. 19.
Baron, Arthur, Englewood, N. J. Window shade guide. 2,507,952, May 16.
Baron, Barnett, Bronx, N. Y. Atomizer. 2,517,961, Aug. 8.
Baron, Constantine W., Oakland, N. J. Detachable bicycle carrier-universal detachable tray. 2,531,902, Nov. 28.
Baron, Flory, Marseille, France, assignor of twenty-five per cent to L. Mingaud, Long Island City, N. Y. Automatically and progressively regulating vehicle speed. 2,497,338, Feb. 14.
Baron, Gussie, Brooklyn, N. Y. Device for removing facial wrinkles. 2,504,791, Apr. 18.
Baron, Theodore, and R. Weinberger, assignors to Carreras Limited, London, England. Sealing sheet metal boxes. 2,528,296, Oct. 31.
Barone, August L., Maricopa County, Ariz. Counting mechanism for spigot knobs. 2,504,376, Apr. 18.
Barone, Mark J., West Orange, N. J. Hedge trimming shears. 2,516,946, Aug. 1.
Baronick, Rudolph, assignee: *See*—
Bongiorni, James.
Baroody, Eugene M., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Separating fine granular materials according to specific gravity. 2,525,390, Oct. 10.
Barr, Arthur C., Madison, Wis. Shade bracket. 2,525,513, Oct. 10.
Barr, Frank T., Summit, N. J., assignor to Standard Oil Development Company. Method and apparatus for solvent-cleaning finely divided solids. 2,500,056, Mar. 7.
Barr, Frank T., Summit, N. J., assignor to Standard Oil Development Company. Reactor. 2,518,270, Aug. 8.
Barr, Jesse A., Highland Park, Calif. Portable battery operated fluorescent hand lantern. 2,533,910, Dec. 12.
Barr, Max W., Midland, Mich. Boat awning. 2,531,836, Nov. 28.
Barr, Ralph I., Auburn, N. Y. Shoe with marginally-downturned sole. 2,535,560, Dec. 26.
Barr, Roy E., Childress, Tex. Toothbrush. 2,528,992, Nov. 7.
Barr, Samuel R., Bridgeport, Conn., assignor to General Electric Company. Combined shutoff and metering valve. 2,510,617, June 6.
Barr, Samuel R., Bridgeport, Conn., assignor to General Electric Company. Air dehumidifier for compartments. 2,511,666, June 13.
Barr & Stroud, Limited, assignee: *See*—
French, James W.
French, James W., and Foster.
Strang, John M.
Barr, Theodore F., and C. W. Doughman, assignors to The National Cash Register Company, Dayton, Ohio. Spray nozzle. 2,524,097, Oct. 3.
Barr, Thomas: *See*—
Baird, William, Barr, Lane, and Lowe.
Baird, William, Barr, and Lowe.
Baird, William, Barr, Lowe, and Oliver.
Barr-Don Inc., assignee: *See*—
Donnelley, Elliott.
Barré, Robert A., assignor to Schlumberger, Inc., New York, N. Y. Combined watchcase and band therefor. 2,512,992, June 27.
Barrell, Robert W., Erie, Pa., assignor to General Electric Company. Radiator cooling system, temperature control. 2,499,176, Feb. 28.
Barrett, Bernard A., Vancouver, British Columbia, Canada. Memo recorder. 2,520,707, Aug. 29.
Barrett, Charles D., Altoona, Pa. Locomotive. 2,521,142, Sept. 5.
Barrett, Edwin W.: *See*—
Gartner, Stanley J., and Barrett.
Barrett, Gerald R., Winchester, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Polyphosphates of divalent aryl hydrocarbons. 2,520,090, Aug. 22.
Barrett, Guy, Bosham near Chichester, assignor, by mesne assignments, to Varatio-Strateline Gears Limited, Slough, England. Gear hobbing machine. 2,526,798, Oct. 24.
Barrett, Harry B., St. Louis, Mo. Apparatus for securing lining material to brake shoes. 2,498,937, Feb. 28.
Barrett, Jesse T., Eudora, Ark. Expansible chamber rotary motor of the sliding abutment type. 2,515,288, July 18.
Barrett, Richard C., assignor to The William L. Barrett Co., Bristol, Conn. Glass cutter. 2,516,668, July 25.
Barrett, Sidney A., Montreal, Quebec, Canada. Two-way polar telegraph system. 2,496,372, Feb. 7.
Barrett, William H., International Falls, Minn., and B. K. Asdell, Metuchen, N. J., assignors to Minnesota and Ontario Paper Company, Minneapolis, Minn. Coating paper. 2,534,848, Dec. 19.
Barrett, William H., and B. K. Asdell, International Falls, assignors to Minnesota and Ontario Paper Company, Minneapolis, Minn. Apparatus for coating paper, 2,513,394, July 4.
Barrett, William H., and E. Zimmerman, International Falls, assignors to Minnesota and Ontario Paper Company, Minneapolis, Minn. Preparing coating color. 2,526,598, Oct. 17.
Barrett, William H., and B. K. Asdell, International Falls, assignors to Minnesota and Ontario Paper Company, Minneapolis, Minn. Coating paper. 2,532,140, Nov. 28.
Barrett, William L., Co., The, assignee: *See*—
Barrett, Richard C.
Barrick, Paul L., Wilmington, and A. A. Pavlic, Claymont, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Acetals from acrylonitrile, carbon monoxide, hydrogen, and alcohols. 2,506,571, May 9.
Barrick, Paul L., C. T. Handy, and R. S. Schreiber, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing tetrasubstituted piperazines. 2,516,289, July 25.
Barrickman, Lloyd T., assignor to Hutchens Industries, Eau Claire, Wis. Method of and apparatus for stuffing oil filter elements. 2,501,652, Mar. 28.
Barringer, Gordon L.: *See*—
Lee, Charles M., and Barringer.
Barritt, Newton W.: *See*—
Jansen, Hendrik C., and Barritt.
Barron, John F., Johnson City, N. Y. Sole-cutting machine and dies. 2,523,675, Sept. 26.
Barron, John T., assignor to Charles E. Crofoot Gear Corp., South Easton, Mass. Transmission. 2,518,516, Aug. 15.
Barron, Margaret, Brooklyn, N. Y. Ornamental ear clip. 2,498,748, Feb. 28.
Barron, Maurice, White Plains, N. Y. Golf bag construction. 2,509,195, May 23.
Barroso, Alberto M., Los Palos, Cuba. Modeling spatula. 2,511,192, June 13.
Barrot, Marcel P., Clichy, assignor to Compagnie des Enterprises Industrielles, Paris, France. Suspension device for the shafts of rotary crushers. 2,508,089, May 16.
Barrow, Charles J.: *See*—
Brown, Alfred S., and Barrow.
Barrow, James B.: *See*—
Evans, Richard J., and Barrow.
Barrow, Wilmer L., Concord, Mass., assignor to Research Corporation, New York, N. Y. Electromagnetic horn. 2,501,658, Mar. 28.
Barrow, Wilmer L., Concord, Mass., and W. W. Mieher, Mineola, N. Y., assignors to The Sperry Corporation. Directive antenna structure. 2,531,455, Nov. 28.

Barrows, Alford C., assignor to Economy Baler Company, Ann Arbor, Mich. Electrical control means for baling presses and the like. 2,534,751, Dec. 19.

Barrows, Clarence G., Hamden, Conn., assignor to The Safety Car Heating and Lighting Company, Inc. Window shade construction. 2,530,218, Nov. 14.

Barrows, Robert S., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polychloroprene rubbers. 2,505,226, Apr. 25.

Barrows, William H., Lansing, Mich. Doll eye mechanism. 2,529,240, Nov. 7.

Barry, Arthur F., Conroe, Tex. Separating hydrocarbon liquids and water from high-pressure gas streams. 2,528,028, Oct. 31.

Barry, Arthur J., assignor to Dow Corning Corporation, Midland, Mich. Production of aromatic halosilanes. 2,499,561, Mar. 7.

Barry, Arthur J., and J. W. Gilkey, assignors to Dow Corning Corporation, Midland, Mich. Copolymeric siloxanes. 2,495,362, Jan. 24.

Barry, Arthur J., and J. W. Gilkey, assignors to Dow Corning Corporation, Midland, Mich. Ethylmethylpolysiloxanes. 2,495,363, Jan. 24.

Barry, Arthur J., and J. W. Gilkey, assignors to Dow Corning Corporation, Midland, Mich. Production of dimethyltolylchlorosilane. 2,500,652, Mar. 14.

Barry, Arthur J., and D. E. Hook, Midland, and L. De Pree, Holland, assignors to The Dow Chemical Company, Midland, Mich. Methyl octadecyl dichlorosilane. 2,510,853, June 6.

Barry, Arthur J., and D. E. Hook, Midland, and L. De Pree, Holland, assignors to The Dow Chemical Company, Midland, Mich. Preparation of organohalosilanes. 2,511,820, June 13.

Barry, Arthur W., Charleston, W. Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Catalyst and carrying out hydrogenation reactions. 2,511,453, June 13.

Barry, Joseph F., Summit, and D. M. Ruggles, Mount Tabor, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Apparatus for spot coating crystal blanks. 2,510,274, June 6.

Barry, L. N., Co., Inc., assignee: *See*—
Pletz, Ervin.

Barry, R. G., Corporation, assignee: *See*—
Zacks, Florence B.

Barry, Richard H.: *See*—
Walter, Lewis A., and Barry.

Barry, Robert E., assignee: *See*—
Talbot, Frank A.

Barry-Wehmiller Machinery Company, assignee: *See*—
Wehmiller, Frederick W., Nekola, and Spelbrink.

Barsanti, Silvio, San Francisco, Calif., assignor to Simmons Company, Kenosha, Wis. Knotting mechanism for spiral-spring forming machines. 2,504,792, Apr. 18.

Barsby, Charles R., London, England. Rotary internal-combustion engine. 2,530,281, Nov. 14.

Barsch, Guillaume, Geneva, Switzerland. Dry shaving apparatus. 2,531,191, Nov. 21.

Barsh, Waldo A., Elmhurst, Ill. Reinforcing and punching machine. 2,512,822, June 27.

Barsky, George, assignor to E. F. Drew & Co. Inc., New York, N. Y. Producing mono- and di-glycerides of fatty acids. 2,509,413, May 30.

Barsky, George, assignor to E. F. Drew & Co. Inc., New York, N. Y. Shortening agent. 2,509,414, May 30.

Barstow, Carl A., Anoka, Minn. Fountain pen. 2,519,341, Aug. 22.

Barstow, John M., Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Power line carrier frequency telephone system. 2,511,617, June 13.

Barstow, John M., Mountain Lakes, N. J., and A. G. Lang, Whitestone, assignors to Bell Telephone Laboratories. Incorporated, New York, N. Y. Power line carrier frequency telephone system. 2,510,273, June 6.

Barstow, John M., Mountain Lakes, N. J., and A. G. Lang, Whitestone, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Power line carrier frequency telephone system. 2,511,615, June 13.

Barstow, John M., Mountain Lakes, N. J., and A. G. Lang, Whitestone, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Power line carrier frequency telephone system. 2,511,616, June 13.

Barszcs, Edward W., Mosinee, Wis. Pad dispenser. 2,528,488, Nov. 7.

Bart, Siegfried G., Essex Fells, N. J. Apparatus for electroplating the inside of pipes. 2,503,863, Apr. 11.

Bartel, Arthur, United States Army, Comfort, Tex. Load supporting pallet. 2,523,271, Sept. 26.

Bartelink, Everhard H. B., Bronxville, N. Y. Remote synchronizing system for rotary elements. 2,506,766, May 9.

Bartelink, Everhard H. B., Bronxville, N. Y., assignor, by mesne assignments, to Automatic Electric Laboratories, Inc., Chicago, Ill. Automatic trunk selecting system for radio telephone stations. 2,533,662, Dec. 12.

Bartell, Floyd E., Ann Arbor, Mich., assignor to The Parker Pen Company, Janesville, Wis. Fountain pen. 2,522,555, Sept. 19.

Bartels, Arnold: *See*—
Fluor, John R., Stephens, Bartels, and Newman.

Bartels, Arnold H., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Multivibrator. 2,495,684, Jan. 31.

Bartelson, Sten E.: *See*—
Pettus, James L., and Bartelson.

Bartelson, Sten E., Ashland, N. J., assignor to Radio Corporation of America. Film positioning drum. 2,493,056, Jan. 3.

Bartelson, Sten E., Ashland, N. J., assignor to Radio Corporation of America. Film drive filter. 2,499,210, Feb. 28.

Bartenfeld, Wilford G., Lakewood, Ohio. Channel tank top construction for ships. 2,520,024, Aug. 22.

Barter, Cyril, Berkeley, assignor to Shell Development Company, San Francisco, Calif. Catalytic dehydrogenation. 2,500,482, Mar. 14.

Barth, Robert H.: *See*—
Burrell, Harry, and Barth.

Barth, Theodore H., New York, N. Y., assignor to the United States of America as represented by the Secretary of the Navy. Low altitude bombing attachment. 2,516,290, July 25.

Barth, Theodore H., New York, N. Y., assignor to the United States of America as represented by the Secretary of the Navy. Synchronizing bomb sight. 2,534,397, Dec. 19.

Barthel, William F., Chicago, Ill. Fishhook releasing device. 2,507,495, May 16.

Bartho, John C., New York, assignor of one-half to J. Haranis, Astoria, N. Y. Steering apparatus for automobiles. 2,496,263, Feb. 7.

Bartholomew, Jess M., Michigan City, Ind., assignor to Joy Manufacturing Company. Compressor control system. 2,516,291, July 25.

Bartleman, Richard, San Francisco, Calif. Cable testing lead rack. 2,501,202, Mar. 21.

Bartleson, John D.: *See*—
Hughes, Everett C., and Bartleson.

Bartleson, John D., assignor to The Standard Oil Company, Cleveland, Ohio. Lubricant composition. 2,506,572, May 9.

Bartleson, John D., assignor to The Standard Oil Company, Cleveland, Ohio. Lubricant composition. 2,506,573, May 9.

Bartleson, John D., assignor to The Standard Oil Company, Cleveland, Ohio. Lubricant composition. 2,516,844, Aug. 1.

Bartleson, John D., East Cleveland, assignor to The Standard Oil Company, Cleveland, Ohio. Lubricant comprising reaction product of an olefin, a phosphorus sulfide, and water. 2,534,217, Dec. 19.

Bartlett, Edwin S., Forest Park, assignor to Sunbeam Corporation, Chicago, Ill. Deflection equalizing means for shearing combs. 2,532,476, Dec. 5.

Bartlett, Jeffrey H., *See*—
Zimmer, John C., and Bartlett.

Bartlett, Jeffrey H., Westfield, N. J., assignor to Standard Oil Development Company. Polymerized alkyl fumarates and process. 2,509,203, May 30.

Bartolat, Albert F., Tacoma, Wash. Bucket holder. 2,519,732, Aug. 22.

Bartolomei, George G., Bayville, assignor to Specialties, Inc., Syosset, N. Y. Variable electrical component. 2,523,896, Sept. 26.

Bartolomeo Del Carlo, assignee: *See*—
Bellato, Frank A.

Bartolucci, Ben: *See*—
Schreier, Konrad F., and Bartolucci.

Barton, Alfred P., U. S. Navy, Chevy Chase, Md., and E. P. Hurd, Detroit, Mich. Making receptacles for pyrotechnic fillings. 2,530,934, Nov. 21.

Barton, Benjamin D., assignor to American Marsh Pumps, Inc., Battle Creek, Mich. Spray gun for fire apparatus and the like. 2,520,824, Aug. 29.

Barton, George C.: *See*—
Elliott, Harold E., and Barton.

Barton, Hugh M., Jr., Bartlesville, Okla., assignor to Phillips Petroleum Company. Detonation indicator circuit and method. 2,496,338, Feb. 7.

Barton, James R., Portland, Oreg. Applying and anchoring a concrete sheathing to a rammed earthwall. 2,496,616, Feb. 7.

Barton, Percy C., Birmingham, England. Interconnecting and interlocking tubes or the like. 2,511,034, June 13.

Barton, Percy C., Birmingham, England. Coupling or fastening for scaffolding and like poles. 2,511,035, June 13.

Bartram, Floyd L., El Monte, Calif. Fuel distributor for Diesel fuel pumps. 2,496,768, Feb. 7.

Bartrug, James E., Webster City, Iowa. Tong tool. 2,517,275, Aug. 1.

Bartrug, James E., Webster City, Iowa. Control lever. 2,522,339, Sept. 12.

Bartsch, Herbert E., Winnetka, Ill., assignor to Universal Railway Devices Co. Brake adjuster. 2,513,275, July 4.

Bärtschi, Hans, Togg, St. Gallen, Switzerland. Device for sucking and guiding the ends of broken threads in spinning machines. 2,525,996, Oct. 17.

Bartusek, Joseph F., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York N. Y. Device for removing an insulating coating from coated wire. 2,530,219, Nov. 14.

Bartz, Edwin C., Buffalo, N. Y. Heat responsive switch. 2,511,236, June 13.

Bartz, John P., Fort Lauderdale, Fla. Sugar and edible sirup and preparing same from sugar bearing fluids. 2,525,761, Oct. 17.

Bartz, John P., Fort Lauderdale, Fla. Production of white sugar from colored sugar bearing fluids without molasses as a by-product. 2,526,111, Oct. 17.

Bartz, Quentin R.: *See*—
Crooks, Harry M., Jr., Rebstock, Controulis, and Bartz.

Bartz, Quentin R., assignor to Parke, Davis & Company, Detroit, Mich. Preparing penicillin. 2,499,290, Feb. 28.

Baruch, Alan P., Newark, and R. E. Porzer, Bloomfield, N. J., assignors to Celanese Corporation of America. Coated cellulose propionate material and a lacquer therefor. 2,510,166, June 6.

Baruch, Alfred, New York, N. Y. Crankpin working machine tool. 2,522,084, Sept. 12.

Baruch, Sydney N., New York, N. Y. Gearing. 2,510,675, June 6.

Baruch, Sydney N., assignor to Norton Patents Corporation, New York, N. Y. Crib and mechanism for oscillating the same. 2,529,721, Nov. 14.

Barusch, Maurice R., Richmond, G. E. Langlois, El Cerrito, and R. M. Schramm, Oakland, assignors to California Research Corporation, San Francisco, Calif. Di-organo peroxides. 2,522,015, Sept. 12.

Bascetta, Angelo, assignor to S & S Corrugated Paper Machinery Co., Inc., Brooklyn, N. Y. Target operated switch for box-making machines. 2,532,005, Nov. 28.

Basch, Hugo F.: *See*—
De Ganahl, Carl, Coffin, and Basch.

Bascle, Joseph A., New Orleans, La. Fuel-air ratio regulator for internal-combustion engines. 2,523,550. Sept. 26.

Bascom, Carlton H.: *See*—
Robinson, Thomas, and Bascom.

Bascom, Frances: *See*—
Vanderbilt, Byron M., and Bascom.

Bascom, Henry M., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical connector. 2,502,307, Mar. 28.

Baselt, Walter H., assignor to American Steel Foundries, Chicago, Ill. Snubber. 2,497,829, Feb. 14.

Baselt, Walter H., Flossmoor, assignor to American Steel Foundries, Chicago, Ill. Brake. 2,494,280, Jan. 10.

Baselt, Walter H., Flossmoor, assignor to American Steel Foundries, Chicago, Ill. Brake beam with guide lug. 2,499,899, Mar. 7.

Baselt, Walter H., Flossmoor, assignor to American Steel Foundries, Chicago, Ill. Brake beam support on truck frame. 2,525,762, Oct. 17.

Baselt, Walter H., Chicago, Ill., and L. L. Whitney, Hammond, Ind., assignors to American Steel Foundries, Chicago, Ill. Brake beam. 2,500,232, Mar. 14.

Basement Sentinel Company, assignee: *See*—
Gaspar, William P.

Bashaw, Calvin F., Seattle, Wash. Support rack for use in bathing infants. 2,507,848, May 16.

Bashwiner, Charles, Great River, N. Y. Draperies. 2,530,593, Nov. 21.

Basic Foods Company, assignee: *See*—
Michaelis, Curt.

Basic Refractories, Inc., assignee: *See*—
Hughey, Vaughn V.

Basilewsky, Alexis: *See*—
Deprez, Charles, and Basilewsky.

Baso, Louis J., New York, N. Y. Dado gauge. 2,526,626, Oct. 24.

Bass, Harland A., Mount Healthy, assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Multivibrator circuit. 2,500,788, Mar. 14.

Bass, Harland A., Mount Healthy, Ohio, assignor to the United States of America as represented by the Secretary of War. Squelch or muting of amplifiers. 2,507,432, May 9.

Bass, John, Miami Beach, Fla. Camera. 2,526,840, Oct. 24.

Bassereau, Georges J. A., assignor to Societe d'Etudes pour L'Industrie du magnesium, Paris, France. Production of metal from its ore. 2,535,622, Dec. 26.

Bassett, Cecel E., assignee: *See*—
Babin, Joseph.

Bassett, Charles A. L., New York, N. Y., and E. Evertz, assignors to The Conlon Manufacturing Company, Bridgeport, Conn. Extracting the nail used for the intramedullary fixation of a fractured bone. 2,528,941, Nov. 7.

Bassett, Dewey M., and G. A. Langston, Dayton, Ohio. Electronic multiple pulse generator. 2,498,636, Feb. 28.

Bassett, Everett S.: *See*—
Kaefer, Martin H., and Bassett.

Bassett, H. Y., assignee: *See*—
Carlson, Emil.

Bassett, Leon B.: *See*—
Walton, Samuel F., and Bassett.

Bassett, Robert B., Darlington, assignor to A. W. Whitford, Watsontown, Pa. Making ceramic granules. 2,522,982, Sept. 19.

Bassford, Henry H., Jr., and W. S. Harmon, Elizabeth, assignors to Merck & Co., Inc., Rahway, N. J. Purification of l-ascorbic acid. 2,517,276, Aug. 1.

Bassichis, William M., Cleveland Heights, assignor to Convenient Carrier Corporation, Cleveland, Ohio. Bottle carrier. 2,499,126, Feb. 28.

Bassichis, William M., Cleveland Heights, assignor to Convenient Carrier Corporation, Cleveland, Ohio. Bottle carrier. 2,506,331, May 2.

Bassick Company, The, assignee: *See*—
Claude-Mantle, Arthur.

Bassindale, Isaac B., Grasscroft, near Oldham, England. Spool axminster carpet loom. 2,494,983, Jan. 17.

Bassinger, Ross, Houston, Tex. Percussion tool for wells. 2,507,585, May 16.

Bassist, Rudolph, New York, N. Y., assignor to Futura Fabrics Corporation. Warp knitting machine. 2,529,241, Nov. 7.

Bastanchury, Gaston A., Pittman, Nev. Pneumatic stratifier. 2,497,339, Feb. 14.

Basterfield, Horace A., Norton-on-Tees, England, assignor to Imperial Chemical Industries Limited. Separation of phenols. 2,497,971, Feb. 21.

Bastian-Blessing Company, The, assignee: *See*—
Anderson, Olaf R.
Boedecker, Woodrow S., and Wigton.
Boettcher, Paul F.
Buttner, William C.
Connell, William S.
De Larzelere, Frank P.
Dick, George W.
Johnson, Herman K.
McMahon, Alexander F.
Norway, Harold L.
Taylor, Milton C.

Bastian Bros. Co., assignee: *See*—
McDermott, Francis A.

Bastian-Morley Co., Inc., assignee: *See*—
Drout, Valley A.

Bastian, Richard R., Toledo, Ohio. Automatic strand starting mechanism. 2,535,561, Dec. 26.

Bastick, Raymond E., and T.-H. Wang, assignors to Chance Brothers Limited, Smethwick, England. Optical glasses. 2,512,993, June 27.

Bastie, Paul, Chicago, Ill. Fish lure. 2,517,962, Aug. 8.

Bastin, Edgar J., Jr.: *See*—
Goldfield, Edwin R., Stava, and Bastin, Jr.

Bastin, Edgar J., Jr., Cleveland, and G. V. Lyons, East Cleveland, assignors to Picker X-Ray Corporation Waite Manufacturing Division, Inc., Cleveland, Ohio. Identification card-interlock system. 2,494,155, Jan. 10.

Bastin, Edgar J., Jr., Cleveland, and R. J. Stava, University Heights, assignors to Picker X-Ray Corporation Waite Manufacturing Division, Inc., Cleveland, Ohio. Film holder. 2,513,989, July 4.

Baston, Cyril E., Glensbaw, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control apparatus. 2,512,295, June 20.

Baston, Cyril E., Irwin, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Turbine-electric locomotive control system. 2,525,472, Oct. 10.

Bata, národní podnik, assignee: *See*—
Bata, Viktor and Vítek.
Buček, Adolf.
Čech, Jaroslav, and Albrecht.
Chmelař, Václav.
Ferdus Stanislav.
Kristek, Emanuel.
Semotán, Karel.

Bata, Viktor and A. Vítek, assignors to Bata, Narodni Podnik, Zlin, Czechoslovakia. Apparatus for dressing the edges of the upper leather in the manufacture of shoes. 2,517,277, Aug. 1.

Batchelder, Alvin B., Ogden, Utah. Lawn renovating machine. 2,520,488, Aug. 29.

Batchelder, Augustus H., Berkeley, assignor to California Research Corporation, San Francisco, Calif. Biological window. 2,517,523, Aug. 1.

Batcheller, Clements, Glens Falls, N. Y. Electroplating stainless steels and irons. 2,528,717, Nov. 7.

Batcheller, Clements, Glens Falls, N. Y. Metal coating device. 2,532,389, Dec. 5.

Batcheller, Hugh W., Newton Highlands, assignor to Ark-Les Switch Corporation, Watertown, Mass. Push-pull rheostat. 2,506,482, May 2.

Batcheller, Hugh W., Newton, assignor, by mesne assignments, to Ark-Les Switch Corporation, Watertown, Mass. Clock selector switch. 2,521,559, Sept. 5.

Batcheller, Hugh W., Newton, assignor, by mesne assignments, to Ark-Les Switch Corporation, Watertown, Mass. Station plunger switch. 2,521,560, Sept. 5.

Batcheller, Hugh W., Newton, assignor, by mesne assignments, to Ark-Les Switch Corporation, Watertown, Mass. Electric switch of the push-and-pull type. 2,521,561, Sept. 5.

Batcheller, Hugh W., Newton Highlands, assignor, by mesne assignments, to Ark-Les Switch Corporation, Watertown, Mass. Multiple electric switch. 2,520,270, Aug. 29.

Batcheller, Hugh W., Newton, assignor, by mesne assignments, to Ark-Les Switch Corporation, Watertown, Mass. Spring plunger switch. 2,526,061, Oct. 17.

Batcheller, Hugh W., Newton, assignor, by mesne assignments, to Ark-Les Switch Corporation, Watertown, Mass. Clicker mechanism for spindles. 2,531,246, Nov. 21.

Batchelor, Clyde S., Upper Stepney, and E. L. Carey, Bridgeport, Conn., assignor to Raybestos-Manhattan, Inc., Passaic, N. J. Apparatus for bonding brake linings to brake shoes. 2,494,281, Jan. 10.
Batchler, William H., Graham, Tex. Masonry guideline holder. 2,505,935, May 2.
Bate, Stanley C., Spondon, near Derby, England, assignor, by mesne assignments, to Celanese Corporation of America. Production of cellulose. 2,511,096, June 13.
Batelja, Michael J., Portland, Oreg. Ladder. 2,518,745, Aug. 15.
Bateman, Norman S., and M. F. Missiaen, assignors to Construction Improvements Limited, Toronto, Ontario, Canada. Cableway hoist. 2,531,022, Nov. 21.
Bateman, Ralph C., Elkton, Md., and M. M. Pflug, Canton, assignors to Goodyear Aircraft Corporation, Akron, Ohio. Shock absorbing strut. 2,511,237, June 13.
Bater, Frank R., San Diego, Calif. Fishing reel drag control. 2,502,814, Apr. 4.
Bates, Albert H., Rockford, Ill. Ring boring machine. 2,501,659, Mar. 28.
Bates, Clifford V., Chicago, Ill. Switch. 2,527,475, Oct. 24.
Bates, Earl M. and H., Chehalis, Wash. Illuminated compact. 2,494,375, Jan. 10.
Bates, Ernest F.: *See*—
Bray, Frederick H., Bates, and Doughty.
Bates, Ernest F., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Telephone call-box system. 2,516,845, Aug. 1.
Bates, Fred L., Sandston, Va. Hoop retainer. 2,517,828, Aug. 8.
Bates, Hannah: *See*—
Bates, Earl M. and H.
Bates, Harold: *See*—
Fisher, James W., Wheatley, and Bates.
Bates, Harold, J. W. Fisher, and E. W. Wheatley, Spondon, near Derby, England, assignors to Celanese Corporation of America. Polytriazole compositions. 2,512,599, June 27.
Bates, Harold, J. W. Fisher, and E. W. Wheatley, Spondon, near Derby, England, assignors to Celanese Corporation of America. Linear nitrogen-containing polymeric materials and their production. 2,512,600, June 27.
Bates, Harold, J. W. Fisher, and E. W. Wheatley, Spondon, near Derby, England, assignors to Celanese Corporation of America. Production of linear nitrogen-containing polymeric materials. 2,512,601, June 27.
Bates, Harry U., and J. T. Perkins, said Bates assignor to J. E. Teel, Los Angeles, Calif. Toilet seal for augmenting the flushing capacity of toilet tanks in unstopping sewers. 2,529,587, Nov. 14.
Bates, Henry A., Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Enamel and preparing the same. 2,533,911, Dec. 12.
Bates, James E.: *See*—
Harsh, Harold C., and Bates.
Bates Manufacturing Company, The, assignee: *See*—
Faas, Walter.
Neilsen, Hildaur L.
Bates, Mortimer F., Brooklyn, N. Y., assignor to The Sperry Corporation. Compressor surge control for exhaust turbine driven superchargers. 2,500,234, Mar. 14.
Bates, Mortimer F., Brooklyn, N. Y., assignor to The Sperry Corporation. Rotary wing aircraft. 2,521,684, Sept. 12.
Bates, Mortimer F., Brooklyn, N. Y., assignor to The Sperry Corporation. Automatic stabilizer for helicopters. 2,529,479, Nov. 14.
Bates, Robert M., Miles City, Mont. Ammunition container. 2,514,364, July 11.
Bates, Sidney E., assignor, by mesne assignments, to Poor & Company, Chicago, Ill. Actuating means for rail lubricating pumps. 2,498,519, Feb. 21.
Bates, William F., assignor to E. L. O'Neill, Los Angeles, Calif. Apparatus for cutting drill pipes. 2,525,391, Oct. 10.
Batesville Casket Company, The, assignee: *See*—
McEwan, James J.
Bath, Cyril, Company, The, assignee: *See*
Bath, Cyril J.
Bath, Cyril J., Chagrin Falls, assignor to The Cyril Bath Company, Cleveland, Ohio. Metal stretching and contour forming machine. 2,514,830, July 11.
Bath, Cyril J., Chagrin Falls, Ohio. Apparatus for selectively wipe forming and stretch forming metal stock. 2,514,831, July 11.
Bath, Cyril J., Chagrin Falls, Ohio. Tangent bender and expansible die combination. 2,515,326, July 18.
Batho, William F.: *See*—
Zimmer, Albert E., and Batho.
Batik, Albert L., New York, N. Y. Axle suspension device for vehicles. 2,529,898, Nov. 14.
Batina, Raymond T., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Plating rack. 2,514,923, July 11.
Batt, Albert, Jr., Buaffio, N. Y. Drainpipe filter. 2,532,388, Dec. 5.
Batt, George H.: *See*—
Fiero, George W., Seeland, and Batt.
Batt, Henry, Toronto, Ontario, Canada. Flight timing apparatus. 2,511,763, June 13.
Batt, Kenneth R., North Tonawanda, N. Y. Inertia cutoff switch for vehicles. 2,535,384, Dec. 26.
Batt, Thomas H., Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Connecting device. 2,497,922, Feb. 21.
Batt, Walter E., Clifton Junction, near Manchester, England, assignor to The Electric Storage Battery Company, Philadelphia, Pa. Lead-acid type electric accumulators. 2,533,709, Dec. 12.
Battaglia Robert, Lake Charles, La. Steelflex tire. 2,523,182, Sept. 19.
Battelle Memorial Institute, assignee: *See*—
Manning, George K., Rosenthal, and Krumlauf.
Waitkins, George R.
Waitkins, George R., and Shutt.
Batten, Harrison M., assignee: *See*—
Pickett, Frederick A.
Batten, Percy H., trustee, assignee: *See*—
Lindhagen, Teoder I., and Boestad.
Lysholm, Alf.
Battersby, Robert B., Darien, assignor to Plastic Manufacturers, Incorporated, Stamford, Conn. Hinge. 2,515,071, July 11.
Battin, Harold T.: *See*—
Foster, Boutwell H., and Battin.
Battin, Harold T., Ridgewood, N. J., assignor to United States Rubber Company, New York, N. Y. Sheet finishing apparatus. 2,526,318, Oct. 17.
Battle Creek Bread Wrapping Machine Company, assignee: *See*—
Smith, John W.
Willbrandt, Franklin M.
Battiste, Emil, New York, N. Y. Clasp device for utilizing earrings as jewelry clip ornaments. 2,501,754, Mar. 28.
Batlle, John B., Los Angeles, Calif. Battery cable and post clamp. 2,531,247, Nov. 21.
Battle, Turner R., Philadelphia, Pa. Protecting device against rain, sun, flies and the like. 2,496,769, Feb. 7.
Battles, Wm. W., executor: *See*—
Wait, William B.
Battles, Willis R., Redondo Beach, and F. R. Wade, Huntington Beach, assignors to Union Oil Company of California, Los Angeles, Calif. Tank gauge. 2,526,192, Oct. 17.
Battles, Winthrop H., executor: *See*—
Wait, William B.
Bau, George T., North Hollywood, Calif. Production of latex foam sponge products. 2,512,475, June 20.
Bauder, Henry W., El Paso, assignor of one-third to O. Stigler, and one-third to C. E. Joseph, El Paso County, Tex. Shaving kit. 2,503,898, Apr. 11.
Baudis. Louis J.: *See*—
Bullard, Edward P., III, Baudis, and Grinage.
Baudry, René A., and B. B. Winer, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Gland-seal bearing for gas-cooled equipment. 2,501,304, Mar. 21.
Baudry, René A., and W. C. Brenner, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Rotor construction for induction motors. 2,519,219, Aug. 15.
Bauer, Albert F., Union, N. J. Apparatus for removing power units from automotive vehicles. 2,528,329, Oct. 31.
Bauer, Benjamin B., Oak Park, assignor, by mesne assignments, to Shure Brothers, Incorporated, Chicago, Ill. Transducer having a pair of levers coupling the driving member to the translating element. 2,513,269, July 4.
Bauer Bros. Company, The, assignee: *See*—
Cannell, William A., and Woodruff.
Ginaven, Marvin E.
Bauer, Carl F., Fort Worth, Tex. Air circulating device. 2,525,853, Oct. 17.
Bauer, Clarence G., Berkeley, assignor to Chrysler Corporation, Highland Park, Mich. Door seal. 2,493,566, Jan. 3.
Bauer, Emma L., assignee: *See*—
Smith, Alvin W.
Bauer, Ernest K., and M. T. Forker, Meadville, Pa., assignors to American Viscose Corporation, Wilmington, Del. Yarn-guiding device. 2,517,625, Aug. 8.
Bauer, Hans A., Prarie View, assignor to Autopoint Company, Chicago, Ill. Fountain pen. 2,523,411. Sept. 26.
Bauer, Hugh, Brooklyn, N. Y. Safety switch. 2,516,362, July 25.
Bauer, Jordan V.: *See*—
Caesar, George V., Bauer, and Hawley.
Bauer, Joseph, and A. Schittelbauer, Detroit, Mich. Gauge. 2,523,551, Sept. 26.
Bauer, Lawrence H., St. Paul, Minn. Air diffuser. 2,511,490, June 13.
Bauer, Leonard W., Paterson, N. J. Knockdown shipping container. 2,520,303, Aug. 29.
Bauer, Lewis F., El Paso, Tex., assignor to California Research Corporation, San Francisco, Calif. Preparation of organic sulfides. 2,510,921, June 6.
Bauer, Oliver F., East Rochester, assignor to Gleason Works, Rochester, N. Y. Quenching press. 2,494,984, Jan. 17.
Bauer, Oliver F., East Rochester, assignor to Gleason Works, Rochester, N. Y. Gear cutter. 2,524,301, Oct. 3.

Bauer, Raymond M., Indianapolis, Ind. Downdraft furnace. 2,523,412, Sept. 26.
Bauer, Wolf G., St. Louis County, Mo. Fluidizing process and mechanism. 2,529,366, Nov. 7.
Bauerlein, Carl C., Glencoe, Ill., assignor to The Dole Valve Company. Dispenser handle mechanism. 2,500,397, Mar. 14.
Bauerlein, Carl C., Glencoe, assignor to The Dole Valve Company, Chicago, Ill. Dispenser mechanism. 2,509,124, May 23.
Bauerlein, Carl C., Glencoe, and J. K. Lund, Oak Park, assignors to The Dole Valve Company, Chicago, Ill. Liquid dispenser. 2,509,798, May 30.
Bauers, Alexander L., and M. Rosner, Chicago, Ill., assignors to General Outdoor Advertising Co., Inc. Poster panel. 2,512,515, June 20.
Bauers, Alexander L., assignor to General Outdoor Advertising Co., Inc., Chicago, Ill. Poster panel with raising and lowering means. 2,515,978, July 18.
Bauers, Alexander L., and M. Rosner, Chicago, Ill., assignors to General Outdoor Advertising Co., Inc. Poster panel. 2,522,157, Sept. 12.
Bauers, Alexander L., and M. Rosner, Chicago, Ill., assignors to General Outdoor Advertising Co., Inc. Poster panel. 2,522,158, Sept. 12.
Bauersfeld, Charles F.: *See*—
Edwards, Martin A., and Bauersfeld.
Bauersfeld, Charles F., Schenectady, and M. A. Edwards, Scotia, N. Y., assignors to General Electric Company. Electric control system. 2,502,119, Mar. 28.
Baugh, Arle E., Mount Vernon, Mo. Rock gatherer. 2,503,465, Apr. 11.
Baughman, George W., assignor to The Union Switch & Signal Company, Swissvale, Pa. Proximity communication system with Wheatstone bridge detector. 2,499,177, Feb. 28.
Baughman, George W., assignor to The Union Switch & Signal Company, Swissvale, Pa. Simplexed line circuit system for remote control systems. 2,503,701, Apr. 11.
Bauknight, John F.: *See*—
Perry, Charles S., McMillan, Herring, and Bauknight.
Baule, Gerhard H. J., Syracuse, N. Y. Vacuum testing instrument. 2,512,134, June 20.
Baulski, John F., Meriden, Conn. Bell alarm tip-up. 2,518,517, Aug. 15.
Baum, Richard F., Cambridge, assignor to Raytheon Manufacturing Company, Newton, Mass. Communication system. 2,496,846, Feb. 7.
Bauman, Dale S., Harvey, Ill. Watch mounting. 2,527,090, Oct. 24.
Bauman, Howard A., assignor to Enger-Kress Company, West Bend, Wis. Combination billfold, memorandum pad, and purse. 2,496,144, Jan. 31.
Bauman, Joseph J., Chicago, Ill. Container. 2,521,278, Sept. 5.
Bauman, William C., assignor to The Dow Chemical Company, Midland, Mich. Removal of silicon compounds from water. 2,502,120, Mar. 28.
Bauman, William C., assignor to The Dow Chemical Company, Midland, Mich. Removal of silicon compounds from water. 2,510,855, June 6.
Baumann, Arnold W., Chicago, Ill. Evaporator. 2,510,275, June 6.
Baumann, Arnold W., Chicago, Ill. Reverse flow countercurrent condenser. 2,520,825, Aug. 29.
Baumann, Arthur C., Oaklyn, N. J., and G. K. Hurd, Collingdale, Pa. Boiler construction. 2,502,071, Mar. 28.
Baumann, Arthur C., Oaklyn, N. J. Mobile unit for heating buildings during construction. 2,509,624, May 30.
Baumann, George P., Elizabeth, and C. O. Rhys, Jr., Cranford, N. J., assignors to Standard Oil Development Company. Tunnel-type bubble cap baffle. 2,522,425, Sept. 12.
Baumann, Jean, Geneva, Switzerland. Device for peeling potatoes. 2,499,291, Feb. 28.
Baumann, Karl, Knutsford, assignor to Metropolitan-Vickers Electrical Company Limited, London, England. Augmentor for jet propulsion having more rows of turbine driving blading than driven air blading. 2,505,660, Apr. 25.
Baumann, Robert, & Cie, assignee: *See*—
Diebold, Fritz.
Baumé, Betty L., executrix: *See*—
Baumé, Edwall J.
Baumé, Edwall J., deceased, Long Beach, Calif.; B. L. Baumé, executrix. Lock or latch bolt mount. 2,508,702, May 23.
Baumgard, William H., Carlstadt, N. J. Multiple fluid dispenser. 2,516,174, July 25.
Baumgartner, John G., Oswego, assignor to Maybelline Company, Chicago, Ill. Container for cosmetics. 2,534,100, Dec. 12.
Baumgardner, Rufus W.: *See*—
Kludjian, Avedis H., Parrack, Newell and Baumgardner.
Baumgardt, August J., Wauwatosa, Wis. Garment hanger rail. 2,523,857, Sept. 26.
Baumgart, Max D., New York, N. Y. Darning device. 2,530,040, Nov. 14.
Baumgarth, John, assignor to John Baumgarth Co., Chicago, Ill. Calender. 2,529,367, Nov. 7.
Baumgarth, John, Co., assignee: *See*—
Baumgarth, John.
Baumgartner, George R., South Euclid, Ohio, assignor to General Electric Company. Lighting apparatus. 2,525,013, Oct. 10.
Baumgartner, Luther L., Yonkers, assignor to The B. F. Goodrich Company, New York, N. Y. Rodent repellent. 2,510,366, June 6.
Baumgartner, Luther L., Yonkers, assignor to The B. F. Goodrich Company, New York, N. Y. Rodent and deer repellents. 2,510,367, June 6.
Baumgartner, Richard A.: *See*—
Upper, Frederick A., and Baumgartner.
Baumwart, Gabriel W., Garden City, N. Y., assignor to Republic Aviation Corporation. Automatic locking ammunition container. 2,506,409, May 2.
Baur, Franz W., assignor to Beka St. Aubin A. G., Saint Aubin, Switzerland. Hand switch. 2,511,618, June 13.
Baur, Georges: *See*—
Birchmeier, Fritz.
Baur, John W.: *See*—
Gustafsson, Eric, Baur, and Kern.
Bauroth, Walter J., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Electric motor frame construction. 2,498,389, Feb. 21.
Bauroth, Walter J., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Electric motor. 2,524,872, Oct. 10.
Bausch & Lomb Optical Company, assignee: *See*—
Auer, Wilhelm.
Daniel, Eberhard.
De Grave, Charles J., Jr.
Fraser, Walter A., and Kreidl, and Upton.
Gallasch, Bernhardt G.
Kreidl, Norbert J.
Stegeman, Raymond F. E.
Trost, Henry W.
Turner, Arthur F.
Bausch, Marcus S., Cascade, Mont. Vegetable display rack. 2,517,963, Aug. 8.
Bausher, Jeremiah L., and F. D. Rickert, assignors to Infants Socks, Inc., Reading, Pa. welt cutter. 2,515,687, July 18.
Baxmeyer, Charlotte, M. Meyersieck, and F. H. Taylor, St. Louis, Mo. Diaper. 2,511,036, June 13.
Baxter, Donald L., assignor to Reliable Electric Company, Chicago, Ill. Fuse. 2,532,078, Nov. 28.
Baxter, Harold G., Baldwin, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit breaker. 2,504,793, Apr. 18.
Baxter, Harry: *See*—
Markis, John L., and Baxter.
Baxter, Harry, Garrettsville, and J. L. Markis, Bristolville, Ohio. Automatic control for heating systems. 2,530,563, Nov. 21.
Baxter, Jack E., Terrace Park, Ohio. Lighting fixture housing. 2,511,764, June 13.
Baxter, John C., Grand Rapids, Mich. Nut applying device. 2,513,780, July 4.
Baxter, John L., Brunswick, Maine. Prefrying treatment of potatoes. 2,498,024, Feb. 21.
Baxter Laboratories, Inc., assignee: *See*—
Nesset, Naurice M.
Baxter, Thomas R.: *See*—
Rigby, Wallace J., and Baxter.
Baxter, Thomas R., Mount Vernon, Ohio, assignor to Standard Brands Incorporated, New York, N. Y. Infusion package and making same. 2,498,197, Feb. 21.
Baxter, William C.: *See*—
De Puy, Charles T., and Baxter.
Baxter, William C., assignor to Trimble Nurseryland Furniture, Inc., Rochester, N. Y. Tray attachment for infants' collapsible bath stands. 2,524,873, Oct. 10.
Bay, Thomas J., U. S. Navy. Engine cooling apparatus. 2,498,637, Feb. 28.
Bayard, Honoré M.: *See*—
Roquet, Raymond J. C., and Bayard.
Bayard, Honoré M., Meudon, and R. J. C. Roquet, Clamart, France. Antidistorting and retarding device for signal transmissions. 2,507,191, May 9.
Bayard, Honoré M., Meudon, and R. J. C. Roquet, Clamart, France. Complete precorrector for systems for the transmission of signals. 2,522,737, Sept. 19.
Bayard, Honoré M., Meudon, and R. J. C. Roquet, Clamart, France. Precorrection for line distortion in telegraphy. 2,522,738, Sept. 19.
Bayard, Honoré M., Meudon, and R. J. C. Roquet, Clamart, France. Correcting device for telegraph signals. 2,522,739, Sept. 19.
Bayardi, Ettore, Cliffside Park, N. J. Cuff link. 2,501,151, Mar. 21.
Bayer, Joseph J., Blackwood, N. J. Cleaning copper containing metal articles. 2,522,496, Sept. 19.
Bayer, William F., Leonia, N. J. Stone setting tool. 2,533,870, Dec. 12.
Bayer, Wyatt J., Detroit, Mich. Lawn mower. 2,508,561, May 23.
Bayers, George W., Jr., Denver, Colo. Liquid carbonator. 2,514,463, July 11.
Bayes, Coy W., Stockton, Calif. Retractable trailer dolly. 2,496,515, Feb. 7.
Bayler, Howard O., Los Angeles, Calif. Pressing machine for pants and the like. 2,529,899, Nov. 14.

Bayless, Patrick A., Syracuse, N. Y. Extractor basket drive. 2,519,813, Aug. 22.
Bayless, Patrick A., Syracuse, N. Y. Extractor basket cover. 2,519,814, Aug. 22.
Bayley, Warner W.: *See*—
Lovshin, Frank A., and Bayley.
Baylin, Samuel, Montreal, Quebec, Canada. Knitting needle. 2,503,576, Apr. 11.
Bayliss, Charles H.: *See*—
Wagg, Reginald, and Bayliss.
Baymiller, John W., Manheim Township, Lancaster County, assignor to Armstrong Cork Company, Lancaster, Pa. Cork compositions. 2,498,638, Feb. 28.
Baymond, Elmer W., Lancaster, Pa. Feed mixing machine. 2,498,237, Feb. 21.
Baynes, William C., Washington, D. C. Greeting card and envelope assembly. 2,497,064, Feb. 14.
Bayon, Henri J., Angers, France. Suspender. 2,521,326, Sept. 5.
Bayon, Joseph, Angers, France. Wearing-apparel strap construction. 2,521,327, Sept. 5.
Bay Shore Motors, assignee: *See*—
Heath, Ernest E., and Hearn.
Bayside Watch Tool Company, Inc., assignee: *See*—
Hoffsommer, Walter M.
Bay State Optical Company, assignee: *See*—
Hansen, Julius E.
Bayuk, Bernard, Dayton, Ohio. Tobacco humidor. 2,506,191, May 2.
Bazarnic, Peter P., Grosse Pointe, Mich. Method of and apparatus for forming teeth of spiral or hypoid bevel gears. 2,497,923, Feb. 21.
Bazelon, Jacob L., Chicago, Ill. Cellaret having combined musical device and rotatable rack. 2,529,368, Nov. 7.
Bazley, Carl E., Schenectady, N. Y., assignor to General Electric Company. Magnetic structure. 2,497,652, Feb. 14.
Beach, Clarence E., Binghamton, N. Y. Signal manifesting and/or repeating equipment common to a group of code signal originating circuits. 2,498,639, Feb. 28.
Beach, Clarence E., Binghamton, N. Y. Variable signal transmitting station. 2,533,344, Dec. 12.
Beach, Harland E., Valparaiso, Ind. Device for eliminating squeaks from board structures. 2,532,006, Nov. 28.
Beach, Harold W., Abilene, Kans. Dispensing closure for collapsible tubes. 2,528,993, Nov. 7.
Beach, Leland K.: *See*—
Morrell, Charles E., and Beach.
Beach, Leland K., Mountainside, N. J., assignor to Standard Oil Development Company. Separating a diolefin from a monoolefin. 2,500,736, Mar. 14.
Beach, Leland K., Mountainside, and J. F. Nelson, Rahway, N. J., and J. Stewart, Brooklyn, N. Y., assignors to Standard Oil Development Company. Separation of isomers. 2,506,289, May 2.
Beach, Leland K., Mountainside, N. J., assignor to Standard Oil Development Company. Conversion of durene to carboxylic acids. 2,509,855, May 30.
Beach, Leland K., Mountainside, and C. E. Morrell, Westfield, N. J., assignors to Standard Oil Development Company. Separation of dialkyl benzenes. 2,519,336, Aug. 22.
Beach, Ralph M.: *See*—
Schiller, Bernhardt, and Beach.
Beach, Robin, Brooklyn, N. Y. Elimination of static electricity from aircraft. 2,497,924, Feb. 21.
Beach, Royal A.: *See*—
Bluemink, Gary G., and Beach.
Beach Walter A., assignor to Cardox Corporation, Chicago, Ill. Fire extinguishing system. 2,529,127, Nov. 7.
Beach, Willard C., Montville, N. J. Automatic operating attachment for screw machines and the like. 2,512,051, June 20.
Beachell, Harold C., Lakewood, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Resorcinol-aldehyde tanning product. 2,512,708, June 27.
Beachell, Harold C., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Chloral-dihydric phenol polymers. 2.512,709, June 27.
Beachy, Samuel A., Salisbury, Pa. Endless tread garden tractor. 2,529,369, Nov. 7.
Beacom, Robert, assignor to The National Acme Company, Cleveland, Ohio. Releasing threading toolholder. 2,528,107, Oct. 31.
Bead Chain Manufacturing Co., The, assignee: *See*—
Bahr, Gustave F.
Beadle, Buell W.: *See*—
Kraybill, Henry R., and Beadle.
Beahm, Horace C.: *See*—
Jackson, Carey B., Beahm, and Van Andel.
Beal, Robert E.: *See*—
Castle, Francis J., and Beal.
Beale, Eveleyn S. L., Staines, assignor to Alan Muntz & Company Limited, Hounslow, England. Fuel injection system for internal-combustion engines. 2,527,615, Oct. 31.
Beall, Herbert W., Sumter, S. C. Making porous fabric. 2,513,838, July 4.
Beall, Herbert W., Sumter, assignor to The Springs Cotton Mills, Lancaster, S. C. Fabric tearing machine. 2,523,183, Sept. 19.
Beall, Herbert W., assignor to The Springs Cotton Mills, Lancaster, S. C. Seam detector. 2,523,184, Sept. 19.
Beals, Albert A., Springfield, Mo. Barbecue and grill. 2,506,698, May 9.
Beam Products, Inc., assignee: *See*—
Dietz, Waldemar.
Beaman, Bernard, J. Hulman, and R. A. Stein, Dayton, Ohio. Two-stage hydraulic pressure pump. 2,495,685, Jan. 31.
Beamer, William H.: *See*—
Dodson, Richard W., and Beamer.
Beams, Jesse W., Charlottesville, Va., assignor to the United States of America as represented by the United States Atomic Energy Commission. Method and apparatus for separating fluids by thermal diffusion. 2,521,112, Sept. 5.
Beams, Jesse W., Charlottesville, Va., assignor to the United States of America as represented by the United States Atomic Energy Commission. Valve. 2,521,891, Sept. 12.
Beams, Jesse W., L. B. Snoddy, and L. G. Hoxton, Charlottesville, Va., assignors to the United States of America as represented by the United States Atomic Energy Commission. Thermal flowmeter. 2,525,197, Oct. 10.
Bean, David R., Greenside, Johannesburg, assignor to Anglo American Corporation of South Africa Limited, Johannesburg, Transvaal, Union of South Africa. Electric metallurgical apparatus. 2,531,964, Nov. 28.
Bean, Frank R., assignor to F. A. Smith Manufacturing Company, Rochester, N. Y. Manually operable thermostatic switch assembly. 2,520,873, Aug. 29.
Bean, Frank R., assignor to Fasco Industries, Inc., Rochester, N. Y. Manually operable thermostatic switch assembly. 2,520,874, Aug. 29.
Bean, Frederic R., assignor to Eastman Kodak Company, Rochester, N. Y. Preparing aminophenols. 2,525,515, Oct. 10.
Bean, Frederic R., assignor to Eastman Kodak Company, Rochester, N. Y. Preparation of c-alkyl hydroquinones and c-alkyl p-aminophenols. 2,533,203, Dec. 12.
Bean, Frederic R., and T. S. Donovan, assignors to Eastman Kodak Company, Rochester, N. Y. Production of ditertiary butyl hydroquinone. 2,511,193, June 13.
Bean, Morris, assignee: *See*—
Bean, Xarifa L.
Bean, Roscoe D., Red Bank, N. J., assignor to Signal Engineering & Manufacturing Company, New York, N. Y. Electromagnetic relay construction. 2,524,874, Oct. 10.
Bean, Xarifa, assignee: *See*—
Bean, Xarifa L.
Bean, Xarifa L., assignor to Antioch College, M. and X. Bean, A. D. Henderson, A. E. Morgan, and W. Beatty, Yellow Springs, Ohio. Forming a plaster mold or core for casting metals. 2,531,496, Nov. 28.
Beane, Milam C., Newport, Ohio. Automobile battery circuit breaker. 2,519,815, Aug. 22.
Bear Manufacturing Company, assignee: *See*—
Zeigler, Gerald.
Bear Brand Hosiery Co., assignee: *See*—
Wagener, William C.
Beard, Bert, Detroit, Mich., assignor to G. M. and E. Holley. Accelerating pump. 2,501,926, Mar. 28.
Beard, Bert, Detroit, Mich., assignor to G. M. and E. Holley. Automatic choke. 2,511,318, June 13.
Beard, Elvin E., assignee: *See*—
Smith, Sigmund J., and Willis.
Beard, Howard J., Stourport-on-Severn, England, assignor to American Chain & Cable Company, Inc., Bridgeport, Conn. Apparatus for the heat-treatment of chain links or other metal elements. 2,519,538, Aug. 22.
Beard, Joseph G., Haddonfield, R. W. Harralson, Masonville, N. J., and A. Kreithen, Philadelphia, Pa., assignors to Radio Corporation of America. Electronic relay. 2,497,202, Feb. 14.
Beard, Joseph G., Haddonfield, N. J., and R. F. Dressler, Philadelphia, Pa., assignors to Radio Corporation of America. Phase detection and tuner control system. 2,498,871, Feb. 28.
Beard, Joseph G., Haddonfield, N. J., assignor to Radio Corporation of America. Frequency control. 2,504,293, Apr. 18.
Beard, Joseph G., Haddonfield, N. J., assignor to Radio Corporation of America. Motor reversing system. 2,504,294, Apr. 18.
Beard, Lee R., Fort Wayne, Ind., assignor to General Electric Company. Stator for universal electric motors. 2,502,121, Mar. 28.
Beard, McKenzie A., Huntington, W. Va. Hit-and-run detector. 2,521,562, Sept. 5.
Beard, Noah B., Oklahoma City, Okla. Breeze director. 2,499,127, Feb. 28.
Beard, Robert J., assignee: *See*—
Richards, George C.
Beard, Theodore H., Bridgeport, and G. W. Cameron, Westport, Conn., assignors to Dictaphone Corporation, New York, N. Y. Adapter mechanism for dictating machines. 2,515,688, July 18.
Beard, William A., Hurricane, W. Va. Fluid injection pump. 2,519,733, Aug. 22.
Beardsley, Guy E., Jr., West Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Control means for fuel metering systems. 2,510,368, June 6.
Beardsley, John A., Detroit, Mich. Combination golf club. 2,530,446, Nov. 21.

Beardsley, Mabel E., San Francisco, Calif. Embroidery thread kit. 2,497,653. Feb. 14.
Beardsley, Orie L., Washington, D. C., R. W. Fox, Chicago, Ill., and H. M. Braucher, Baltimore, Md., assignors to the United States of America as represented by the Secretary of War. Breech operating mechanism. 2,522,497, Sept. 19.
Beardsley, Robert O., and L. B. Fuller, assignors to Jones & Lamson Machine Company, Springfield, Vt. Optical comparator for testing cams. 2,521,820, Sept. 12.
Bearer, Louis C.: *See*—
Robinson, Sam P., and Bearer.
Beasley, John K.: *See*—
Reed, Henry G., and Beasley.
Beathan, Mark A., Queens Village, N. Y. Toy gun. 2,534,398, Dec. 19.
Beatrice Creamery Company, assignee: *See*—
North, Gerald C., Alton, and Brown.
Beatrice, Gabriel C., Shrewsbury, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Loom picking mechanism and shaft therefor. 2,495,503, Jan. 24.
Beattie, Horace S.: *See*—
Dean, Kenneth W., Beattie, and Page.
Rabenda, Edward J., Page, and Beattie.
Beattie, Horace S., Poughkeepsie, assignor to International Business Machines Corporation, New York, N. Y. Record controlled accumulating mechanism. 2,502,917, Apr. 4.
Beattie, Horace S., Poughkeepsie, and F. E. Hamilton and G. F. Daly, Endicott, assignors to International Business Machines Corporation, New York, N. Y. Accumulating mechanism. 2,500,269, Mar. 14.
Beattie, Horace S., and R. E. Page, Poughkeepsie, assignors to International Business Machines Corporation, New York, N. Y. Record sensing device. 2,528,411, Oct. 31.
Beattie, William, Limited, assignee: *See*—
Brander, David, and Hamill.
Beatty, Donald C., Birmingham, Ala. Apparatus for delivering and receiving telephone messages. 2,525,763, Oct. 17.
Beatty, Isaac C., III, Williamstown, assignor to Sprague Electric Company, North Adams, Mass. Thienyl ethylene compounds. 2,526,319, Oct. 17.
Beatty, John W.: *See*—
Boisseau, Alexander C., and Beatty.
Beatty, John W., Dayton, Ohio. Combination plug, socket, and panel assembly. 2,535,031, Dec. 26.
Beatty, Robert D., Jr., Shaker Heights, assignor to Eaton Manufacturing Company, Cleveland, Ohio. Magnetic drive. 2,525,579. Oct. 10.
Beatty, Robert D., Jr., Shaker Heights, assignor to Eaton Manufacturing Company, Cleveland, Ohio. Heating and ventilating apparatus. 2,532,882, Dec. 5.
Beatty, William, assignee: *See*—
Bean, Xarifa L.
Beatty, William E., Los Angeles, Calif., assignor to Motoview, Inc., Carson City, Nev. Television view finder. 2,531,497, Nov. 28.
Beauchamp, Frederic A., Berkeley, assignor to Hamilton, Beauchamp & Woodworth, San Francisco, Calif. Ore jig. 2,524,036, Oct. 3.
Beauchamp, Reginald E., Philadelphia, Pa. Compass. 2,511,688, June 13.
Beauchamp, Wilfred A., assignee: *See*—
Williams, Harry V.
Beauchamp, Wilfred A., Chicago, Ill., assignor to The Youngstown Steel Door Company, Cleveland, Ohio. Car door. 2,494,467, Jan. 10.
Beauchamp, Wilfred A., Chicago, Ill., assignor to The Youngstown Steel Door Company, Cleveland, Ohio. Car door fastener. 2,511,425, June 13.
Beauchemin, Arsene, Montreal, Quebec, Canada. Sanitary container. 2,533,757, Dec. 12.
Beaudet, Camille: *See*—
Dechamps, Georges, H. LeBihan, and Beaudet.
Beaudoin, Randolph F., Sanford, Maine. Automobile hydraulic jack system. 2,507,879, May 16.
Beaumont Birch Company, assignee: *See*—
McMullen, Cletus C.
Beaunit Mills, Inc., assignee: *See*—
Hatfield, Cortland.
Hofmann, Hugo.
Beaven, Leslie W., Chicago, Ill. Rotary valve engine. 2,512,909, June 27.
Beaver, Charles J., Bowdon, and E. L. Davey, Timperley, assignors to W. T. Glover & Company Limited, Manchester, Lancashire, England. Reinforced soldered-seam metal sheathed cable. 2,527,172, Oct. 24.
Beaver, David J., St. Albans, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Curing copolymers of butadiene-1,3 and acrylonitrile with organic halogen compounds. 2,504,295, Apr. 18.
Beaver, David J., St. Albans, and M. C. Throdahl, Nitro, W. Va., assignors to Monsanto Chemical Company, St. Louis, Mo. Plasticizing synthetic rubber. 2,535,664, Dec. 26.
Beaver, George H., Bellingham, Wash. Safety cutout for shotguns. 2,501,254, Mar. 21.
Beaver, Hartsell W., assignor to Turner Manufacturing Company, Statesville, N. C. Raking and loading means for peanut harvesters. 2,499,051, Feb. 28.
Beaver, Richard C., Inglewood, Calif. Convection driven forced flow air heater. 2,495,311, Jan. 24.
Beaver, Solomon M., Detroit, Mich. Paint can holder. 2,524,875. Oct. 10.
Beavers, Ellington M., assignor to Rohm & Haas Company, Philadelphia, Pa. Polyester lubricants. 2,499,983, Mar. 7.
Beavers, Ellington M., and R. F. Conyne, assignors to Rohm & Haas Company, Philadelphia, Pa. Oily complex esters. 2,499,984, Mar. 7.
Beavon, David K., Long Beach, Calif., assignor to The Texas Company, New York, N. Y. Solvent refining of light oils. 2,526,722, Oct. 24.
Bebby, J., & Sons Limited, assignee: *See*—
Killip, Robert E.
Becan, Arthur F., Bayport, N. Y. Line-forming attachment for typewriters. 2,499,714, Mar. 7.
Beccio, Giuseppe, Milan, Italy. Signal transmitting apparatus with coding wheels. 2,512,734, June 27.
Bechberger, Paul F.: *See*—
Stracener, William H., and Bechberger.
Bechberger, Paul F., Tenafly, assignor to Bendix Aviation Corporation, Teterboro, N. J. Frequency and voltage regulator. 2,504,489, Apr. 18.
Bechik, Michael, assignor to Bechik Products, Inc., St. Paul, Minn. Mattress handle construction. 2,500,336, Mar. 14.
Bechik, Michael, assignor to Bechik Products, Inc., St. Paul, Minn. Handle for mattresses and the like. 2,532,657, Dec. 5.
Bechik, Michael, and J. G. Strandberg, assignors to Bechik Products Inc., St. Paul, Minn. Machine for sewing mattress boxing strips. 2,505,822, May 2.
Bechik Products, Inc., assignee: *See*—
Bechik, Michael.
Bechik, Michael, and Strandberg.
Bechle, Rudolph P., Yonkers, assignor to Potdevin Machine Company, Brooklyn, N. Y. Differential rewind control. 2,496,977, Feb. 7.
Bechle, Rudolph P., Yonkers, assignor to Potdevin Machine Company, Brooklyn, N. Y. Selective gearing. 2,521,771, Sept. 12.
Bechle, Rudolph P., Yonkers, assignor to Potdevin Machine Company, Brooklyn, N. Y. Variable-speed drive. 2,522,559, Sept. 19.
Bechler, André, Moutier, Switzerland. Reversing gear for machine tools. 2,494,156, Jan. 10.
Bechler, André, Moutier, Switzerland. Automatic lathe. 2,498,783, Feb. 28.
Bechler, André, Moutier, Switzerland. Conveyor for screws to be slitted in automatic lathes. 2,528,330, Oct. 31.
Bechman, William O.: *See*—
Baker, David B., Bechman, and Henning.
Bechmann, August A., Merrimac, assignor to A. C. Duitman, Columbus, Wis. Distributing scoop. 2,511,560, June 13.
Bechovich, Wesley, assignee: *See*—
Allington, George H., and Grzelak.
Becht, Merrill A., Toledo, Ohio, assignor to Owens-Illinois Glass Company. Extruding plastics in tubular form and wrapping the tubing. 2,502,638, Apr. 4.
Bechtel, Charles E., Nashotah, Wis. Spark arrester. 2,524,588, Oct. 3.
Bechtler, Hans C., Zurich, Switzerland, assignor to Pneumafil Corporation, Charlotte, N. C. Spinning machinery. 2,522,250, Sept. 12.
Bechtol, Harold D.: *See*—
Werner, John E., and Bechtol.
Bechtold, Forrest S., Long Beach, Calif. Stove-top burner and air shield. 2,506,483. May 2.
Bechtold, Max F., Kenneth Square, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing heteropolyacids containing a heavy metal. 2,503,991, Apr. 11.
Bechtold, Robert H.: *See*—
Barker, William M., and Bechtold.
Beck, Alfred C., Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Directional antenna system. 2,495,219, Jan. 24.
Beck, Bartlett A., Sr., Portsmouth, Va. Adjustable coupling. 2,532,754, Dec. 5.
Beck, Clifford K., and D. Kirkpatrick, Oak Ridge, Tenn., assignors to the United States of America as represented by the United States Atomic Energy Commission. Apparatus for testing tensile characteristics of a material. 2,518,217, Aug. 8.
Beck, Derwood A., Seville, and E. A. Eddy, Massillon, assignors to Goodyear Aircraft Corporation, Akron, Ohio. Boundary layer control. 2,517,524, Aug. 1.
Beck, George C., Spokane, Wash. Crankshaft refinishing tool. 2,520,025, Aug. 22.
Beck, George H., Maplewood, and J. Z. Foris, Union, N. J. Mold base. 2,531,965, Nov. 28.
Beck, Horace C., Los Angeles, Calif. Lawn edger. 2,496,327. Feb. 7.
Beck, James M.: *See*—
Smits, Wytze B., and Beck.
Beck, John B., Flushing, N. Y. Resinous starching composition. 2,500,144, Mar. 14.
Beck, Joseph E., assignor to Mitchell Novelty Company, Milwaukee, Wis. Playing piece return mechanism. 2,521,563, Sept. 5.
Beck, Joseph F.: *See*—
Gould, Howard S., Beck, and Manning.

Beck, June E.: *See*—
Midgette, Ernst L., and Beck.

Beck, Raymond, and A. Kovner, Harrisburg, Pa. Spark arresting muffler with retroverted flow. 2,527,052, Oct. 24.

Beck, Reynold C., Jamaica, N. Y. Wall covering tile attached by tape. 2,494,157, Jan. 10.

Beck, Robert C., Los Angeles, Calif. Photographic flash lighting apparatus. 2,498,640, Feb. 28.

Beck, Robert C., assignor of one-half to Wilcox Photo Sales, Los Angeles, Calif. Ionization system for gaseous conduction lamps. 2,513,396, July 4.

Beck, Robert F., Paterson, assignor to Marcalus Manufacturing Company, Inc., East Paterson, N. J. Preventing deformation of tubular cores. 2,520,826, Aug. 29.

Beck, Robert W., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Drilling fluids. 2,531,662, Nov. 28.

Beck, Roland A.: *See*—
Sensel, Eugene E., and Beck.
Sensel, Eugene E., Millendorf, and Beck.

Beck, Ronald D., Cambridge, Ohio, assignor to Continental Can Company, Inc., New York, N. Y. Apparatus for preheating molding powders. 2,535,829, Dec. 26.

Beck, Ronald D., Cambridge, Ohio, assignor to Continental Can Company, Inc., New York, N. Y. Cure tester for plastics. 2,535,830, Dec. 26.

Beck, William A., Milwaukee, Wis. Internal-combustion engine. 2,516,669, July 25.

Beckberger, La Vern H., East Chicago, Ind., assignor to Sinclair Refining Company, New York, N. Y. Pyrolytic conversion of hydrocarbons. 2,500,235. Mar. 14.

Beckberger, La Vern H., East Chicago, Ind. assignor to Sinclair Refining Company, New York, N. Y. Catalytic conversion of hydrocarbons. 2,534,752, Dec. 19.

Beckel, Arthur C.: *See*—
De Voss, Letta I., Beckel, and Belter.

Beckel, Arthur C., Peoria, P. A. Belter, Pekin, and H. J. Deobald, Peoria, Ill., assignors to the United States of America as represented by the Secretary of Agriculture. Vegetable oil extraction. 2,505,749, May 2.

Beckel, Arthur C., Peoria, and P. A. Belter, Pekin, Ill., assignors to the United States of America as represented by the Secretary of Agriculture. Stripping solvents from oils. 2,511,833, June 20.

Beckel, Arthur C., and J. C. Cowan, Peoria, and P. A. Belter, Pekin, Ill., assignors to the United States of America as represented by the Secretary of Agriculture. Uninterrupted recirculation of unrefined alcoholic fatty oil solvent. 2,524,037, Oct. 3.

Beckemeyer, Edgar G., Fort Thomas, Ky., and G. T. Schmidt, Cincinnati, Ohio. Device for cooking popcorn. 2,522,085, Sept. 12.

Beckenhauer, William C., Detroit, Mich. Folding seat. 2,521,200, Sept. 5.

Becker, Arthur H., Indianapolis, Ind., assignor to United States Rubber Company, New York, N. Y. Inner tube tester. 2,503,992, Apr. 11.

Becker, Benjamin, St. Louis, Mo. Mechanical swimming exercising machine. 2,497,391, Feb. 14.

Becker, Carl W., Arlington, assignor to Raytheon Manufacturing Company, Newton, Mass. Tunable magnetron. 2,501,152, Mar. 21.

Becker, Emil A., Darlington Township, Durham County, Ontario, Canada. Liquid tight sectional container having rigid side walls. 2,521,279, Sept. 5.

Becker, Francis N.: *See*—
Miller, Carroll D., and Becker.

Becker, Frederick G. L., assignor to Cellulose Development Corporation Limited, Hatch End, England. Fibrous pulp digester. 2,523,642, Sept. 26.

Becker, George D., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Quarry drop hammer. 2,524,589, Oct. 3.

Becker, Henry, Culver City, assignor of three-fourths to Z. Melnikoff, Los Angeles, Calif. Pencil sharpener. 2,519,625, Aug. 22.

Becker, Howard I., Rexford, N. Y., assignor to General Electric Company. Pulse echo detection of moving targets. 2,514,924, July 11.

Becker, Johannes: *See*—
Bouwers, Albert, Becker, and van Gorcum.

Becker, John E., Toronto, Ontario, Canada. Fluid circulation control for fluid couplings. 2,508,442, May 23.

Becker, Joseph, Pittsburgh, Pa., assignor to Koppers Company, Inc. Horizontal coke oven method. 2,498,784, Feb. 28.

Becker, Karl: *See*—
Schlichter, John G., and Becker.

Becker, Lawrence C., Houma, La., assignor to Shell Development Company, San Francisco, Calif. Flow bean. 2,501,593, Mar. 21.

Becker, Lester O., assignor to J. Pavelka, St. Louis, Mo. Pressing machine. 2,527,114, Oct. 24.

Becker, Louis, Ardmore, Okla. Dustproof pencil sharpener. 2,525,854, Oct. 17.

Becker, Morris, assignor to Federal Auto Products Co., Chicago, Ill. Lawn sprinkler system. 2,531,101, Nov. 21.

Becker, Otto E., Los Angeles, Calif. Combination odometer and ignition switch. 2,497,340, Feb. 14.

Becker, Roger K., Evansville, Ind. Indirect cooling system for buildings. 2,497,713, Feb. 14.

Becker, Stephen P., assignor to Fargo Mfg. Company, Inc., Poughkeepsie, N. Y. Wire gripping assembly and casing connector. 2,535,623, Dec. 26.

Becker, Victor I., Los Angeles, Calif. Brassière. 2,501,860, Mar. 28.

Becker, Victor I., Los Angeles, Calif. Brassière. 2,508,703, May 23.

Becker, Victor I., Los Angeles, Calif. Brassière. 2,508,704, May 23.

Becker, Walter E., assignor of three-fourths to W. H. McChesney, San Antonio, Tex. Coin counter and stacker. 2,527,389, Oct. 24.

Becker, Willard E., Oakville, Conn. Serving fork with spring-retracted ejector plate. 2,521,032, Sept. 5.

Beckett, Ernest S., Penryn, Calif. Car squeeze. 2,529,588, Nov. 14.

Beckett, Farley E., Azusa, Calif. Spark arrester and exhaust silencer. 2,526,627, Oct. 24.

Beckett, Reginald W., Elyria, Ohio. Fan regulator. 2,506,192, May 2.

Beckinsale, Sydney: *See*—
Hill, Harry and Beckinsale.

Beckjord, William E., Brooklyn, N. Y. Lighter. 2,517,166, Aug. 1.

Beckler, William J., Rochester, N. Y. Coat vent. 2,527,671, Oct. 31.

Beckman, Gustaf S., Cranston, R. I., assignor to W. S. Roberts, Mineral Wells, Tex. Clutch. 2,514,175, July 4.

Beckner, Donald O., South Lancaster, Mass. Tubular winding core. 2,535,188, Dec. 26.

Beckoff, Judd L.: *See*—
Miltenberg, Leonard, and Beckoff.

Beckovich, Wesley, assignor to A. F. Wintercorn, Rockford, Ill. Bottleholder for bars. 2,517,829, Aug. 8.

Beckstrom, Carl V., assignor to Deere & Company, Moline, Ill. Plow bottom bolt. 2,527,616, Oct. 31.

Beckstrom, Garfield L., assignor to Autopoint Company, Chicago, Ill. Spring fastening means. 2,526,320, Oct. 17.

Becwar, Rudolph A., Berwyn, Ill., assignor to Motorola, Inc. Push-button switch. 2,506,987, May 9.

Beckwith, Bernard J., Lake Village, Ind. Wheel gauge. 2,531,102, Nov. 21.

Beckwith, Edwin L., West Newton, Mass., assignor to Beckwith Manufacturing Company, Dover, N. H. Child's toilet seat. 2,518,272, Aug. 8.

Beckwith, Edwin L., West Newton and G. C. Colburn, Natick, Mass. Envelope for frozen liquid refrigerants. 2,515,582, July 18.

Beckwith, George M., U. S. Navy. Astronomical device. 2,498,641, Feb. 28.

Beckwith Manufacturing Company, assignee: *See*—
Beckwith, Edwin L.
Greenan, Wirt G.
Somersall, William W.

Beckwith, Robert W., North Syracuse, N. Y., assignor to General Electric Company. Frequency shift oscillator circuit. 2,531,103, Nov. 21.

Bedale, Paul W., Derby, and J. O. P. Hughes, Duffield, assignors to Rolls-Royce Limited, Derby, England. Fuel injection device for internal-combustion engines. 2,525,635, Oct. 10.

Bedale, Paul W., Littleover, Derby, and J. O. P. Hughes, Duffield, assignors to Rolls-Royce Limited, Derby, England. Fuel flow control for internal-combustion engines. 2,529,900, Nov. 14.

Bedaux, Robert, Paris, France. Tablet dispenser. 2,526,615, Oct. 24.

Beder, Samuel L., assignor of one-half to Irwin F. Mills Associates, New York, N. Y. Reversible brief case. 2,493,182, Jan. 3.

Bedford, Alda V., Princeton, N. J., assignor to Radio Corporation of America. Video signal circuit for noise limiting. 2,514,022, July 4.

Bedford, Alda V., Princeton, N. J., assignor to Radio Corporation of America. Noise limiting video circuit. 2,514,117, July 4.

Bedford, Burnice D.: *See*—
Kellogg, Harry L., and Bedford.

Bedford, Frederick W.: *See*—
Webb, Robert E., and Bedford.

Bedford, Howard E., and A. Hall, Brentford, England, assignors, by mesne assignments to Pyrene Development Corporation, Newark, N. J. Fire-extinguishing apparatus. 2,532,986, Dec. 5.

Bedford, Leroy J., and E. A. Adams, Bakersfield, Calif. Clothes hanger. 2,506,193, May 2.

Bedford, Leslie H., London, J. Bell, and E. M. Langham, Teddington, assignors to A. C. Cossor Limited, London, England. Electrical measuring or control apparatus. 2,525,636, Oct. 10.

Bedford Products, Inc., assignee: *See*—
Webb, Robert E., and Bedford.

Bedford, William A., Jr., Hingham, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Buckle fastener device. 2,506,332, May 2.

Bedford, William A., Jr., North Scituate, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Fastener clip. 2,523,185, Sept. 19.

Bedford, William A., Jr., North Scituate, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Fastener member. 2,526,531, Oct. 17.

Bedford, William A., Jr., North Scituate, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Spring clip type snap fastener. 2,526,532, Oct. 17.
Bedford, William A., Jr., North Scituate, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Closure and fastener member. 2,527,053, Oct. 24.
Bedford, William H.: *See*—
Whitehead Frederick W., and Bedford.
Bedini, Nerino, R. Vesigna, and P. Giuliani, assignors to Pirelli Società Per Azioni, Milan, Italy. Submarine mask. 2,534,568, Dec. 19.
Bednash, Casper S., Jersey City, N. J., and G. S. Burroughs, Forest Hills, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Indexing mechanism. 2,528,489, Nov. 7.
Bedoar, Gunnar O., assignee: *See*—
Armstrong, Charles.
Bedoiseau, André A. F., Issy-les-Moulineaux, France. Socket for electric lamps. 2,511,037, June 13.
Bedynek, John P., Hanford, Calif. Broom hanger. 2,506,333, May 2.
Bee, Clifford T., Muskegon, Mich., assignor to Borg-Warner Corporation, Chicago, Ill. Forward and reverse gearing for wringer drives. 2,525,392, Oct. 10.
Beears, Warren L., Cleveland, Ohio., assignor to The B. F. Goodrich Company, New York, N. Y. Preparation of novel esters of beta-hydroxy carboxylic acids by the reaction of beta-lactones with phenols. 2,526,533, Oct. 17.
Beears, Warren L., Cleveland, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Preparation of novel esters of beta-hydroxy carboxylic acids by the reaction of beta-lactones with chlorophenols. 2,535,832, Dec. 26.
Beebe, Bliss A., Deer Lodge, Mont. Pole top gin and auxiliary crossarm. 2,502,815, Apr. 4.
Beebe, George F., Waterbury, Conn. Safety guard for presses. 2,531,837, Nov. 28.
Beebe, Herbert R., Brooklyn, assignor to American Character Doll Company, New York, N. Y. Doll joint. 2,535,116, Dec. 26.
Beebe, John N.: *See*—
Fryklund, Robert A., and Beebe.
Beebe, Murray C., Jr.: *See*—
Martin, Erle, and Beebe, Jr.
Bee Bee Shoe Co., assignee: *See*—
Galper, Isa.
Beech Aircraft Corporation, assignee: *See*—
Earhart, Harold W.
Lassmann, Clyde V., and Naidenoff.
Paul, Lewis A.
Pelley, Perry H.
Roters, Herbert C.
Saunders, Richard E., and Johnston.
Beecher, Eugene L., Cleveland Heights, assignor to The Gabriel Company, Cleveland, Ohio. Shock absorber construction. 2,497,972, Feb. 21.
Beecher, Harry, U. S. Coast Guard. Electronic keying device. 2,517,538, Aug. 8.
Beecher, John W., assignor to The Bristol Company, Waterbury, Conn. Protective apparatus for differential fluid meters. 2,505,456, Apr. 25.
Beechlyn, John T., Boston, Mass., assignor to Raytheon Manufacturing Company. Submarine signaling apparatus. 2,511,689, June 13.
Beech-Nut Packing Company, assignee: *See*—
Binsack, Joseph W.
Gonia, Harold A.
Beede, Arnold H., Stamford, assignor to Electrolux Corporation, Old Greenwich, Conn. Rug nozzle with variable opening. 2,500,977, Mar. 21.
Beede, Arnold H., Stamford, assignor to Electrolux Corporation, Old Greenwich, Conn. Rug nozzle. 2,511,238, June 13.
Beede, Arnold H., Stamford, assignor to Electrolux Corporation, Old Greenwich, Conn. Vacuum cleaner. 2,522,498, Sept. 19.
Beeghly, Hugh F., Whitehall, assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Determining the thickness of a metal coating on a metal base. 2,521,772, Sept. 12.
Beeghly, Hugh F., Whitehall, assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Dissolving steel to obtain residue containing aluminum nitride. 2,526,841, Oct. 24.
Beekman Industries, Inc., assignee: *See*—
Wagner, George B.
Beeler, Clay R., Oklahoma City, Okla. Self-loading dump truck. 2,506,914, May 9.
Bee-Line Company, assignee: *See*—
Englehart, Richard D.
Jacobsen, Le Roy V., and Go Sline.
Smith, Roy D.
Beem, A. B., assignee: *See*—
Charlton, Chase W.
Beem Foundation, The, assignee: *See*—
Beem, Marvel D.
Beem, Marvel D., and Taylor.
Taylor, Allan J.
Taylor, Allan J., and Beem.
Beem, Marvel, assignee: *See*—
Taylor, Allan J.
Taylor, Allan J., and Beem.
Beem, Marvel, West Los Angeles, assignor of one-half to The Beem Foundation, Los Angeles, Calif. Invalid's bed. 2,500,738, Mar. 14.
Beem, Marvel, West Los Angeles, assignor of one-half to The Beem Foundation, Los Angeles, Calif. Invalid's bed. 2,500,739, Mar. 14.
Beem, Marvel, West Los Angeles, assignor of one-half to The Beem Foundation, Los Angeles, Calif. Invalid's bed. 2,500,740, Mar. 14.
Beem, Marvel D., and A. J. Taylor, assignors of one-half to said Beem and one-half to The Beem Foundation, Los Angeles, Calif. Invalid's bed. 2,500,743, Mar. 14.
Beem, Marvel D., assignor of one-half to The Beem Foundation, Los Angeles, Calif. Invalid's bed. 2,500,744, Mar. 14.
Beeman, Lyle, Ann Arbor, Mich., assignor to The Master Electric Company, Dayton, Ohio. Electromagnetic circuit controller. 2,520,708, Aug. 29.
Beemer, Paul K., Inglewood, and F. L. Carlisle, Pasadena, assignors to Preco Incorporated, Los Angeles, Calif. Railway truck. 2,519,169, Aug. 15.
Beemer, Paul K., Inglewood, and H. O. Fuchs, assignors to Preco Incorporated, Los Angeles, Calif. Driving mechanism. 2,519,170, Aug. 15.
Beems, Floyd E.: *See*—
Stephenson, Thomas W., and Beems.
Beems, Floyd E., Dearborn, C. W. Bugbee, Royal Oak, and T. W. Stephenson, Detroit, assignors to Ford Motor Company, Dearborn, Mich. Hood latch. 2,508,090, May 16.
Beer, Leo: *See*—
Stevenson, Archibald S., and Beer.
Beer, Leo, Providence, assignor to Alrose Chemical Company, Cranston, R. I. Stabilizing cellulosic textile materials against shrinkage employing glyoxal and a metal silicofluoride as a catalyst. 2,521,328, Sept. 5.
Beerbower, Alan: *See*—
Calkins, Austin E., Darley, and Beerbower.
Morway, Arnold J., and Beerbower.
Morway, Arnold J., Beerbower, and Zimmer.
Beerbower, Alan, Baltimore, Md., and J. C. Zimmer, Union, N. J., assignors to Standard Oil Development Company. Antioxidants for greases and similar materials. 2,533,989, Dec. 12.
Beerli, Karl, assignor to Spindel- , Motoren- und Maschinenfabrik A. G., Uster, Switzerland. High-speed spinning or twisting spindle. 2,529,904, Nov. 14.
Beerli, Louis, Engelberg, Switzerland. Ski having concave sides. 2,510,794, June 6.
Beerli, Norbert C., Mayfield Heights, assignor to The Weatherhead Company, Cleveland, Ohio. Adapter. 2,529,534, Nov. 14.
Beers, George L., Haddonfield, N. J., assignor to Radio Corporation of America. Suspension means for acoustical absorbers. 2,502,017, Mar. 28.
Beers, Roy A., Jr., Audubon, N. J., assignor to Radio Corporation of America. Frequency discriminator. 2,520,621, Aug. 29.
Beersmans, Jules E., Antwerp-Borgerhout, assignor to Gevaert Photo-Producten N. V., Mortsel-Antwerp, Belgium. Methine dyestuffs. 2,525,015, Oct. 10.
Beersmans, Jules E., Borgerhout-Antwerk, assignor to Gevaert Photo-Producten N. V., Mortsel-Antwerp, Belgium. Azo dyestuffs as photographic coupling components. 2,515,691, July 18.
Beery, Curtis C., Coulee Dam, Wash. Extractor for Enfield rifle firing pin assemblies. 2,501,373, Mar. 21.
Beeson, Bert B., assignor to The French Oil Mill Machinery Company, Piqua, Ohio. Extraction process and apparatus. 2,512,710, June 27.
Beeson, Carrol M., Los Angeles, Calif., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Measuring permeability. 2,498,198, Feb. 21.
Beeson, Hiram M., Dallas, Tex. Commodity sacking machine with rotatable table having discharging funnels combined with sack supporting chutes. 2,510,541, June 6.
Beevor, Patricia N., Los Angeles, Calif. Drapery hook. 2,525,098, Oct. 17.
Be-Ge Manufacturing Co., assignee: *See*—
Gurries, Albert G.
Gurries, Albert G., and White.
Begerow, John H. W., Wood-Ridge, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Motorized torch holder. 2,519,871, Aug. 22.
Begerow, Walter, Wood-Ridge, N. J., assignor to Air Reduction Company, Incorporated. Valve control system for scarfing machines. 2,520,193, Aug. 29.
Beggs, Cornelius T., San Francisco, Calif. Apparatus for measuring liquid flow. 2,501,705, Mar. 28.
Beggs, James E.: *See*—
McArthur, Elmer D., and Beggs.
Beggs, James E., Schenectady, N. Y., assignor to General Electric Company. High-frequency electric discharge device and system therefor. 2,514,925, July 11.
Beggs, James E., Schenectady, N. Y., assignor to General Electric Company. Capacitance measuring apparatus. 2,525,441, Oct. 10.
Beggs, Joe W., McPherson, Kans., assignor to Black, Sivalls & Bryson, Inc., Kansas City, Mo. Heater. 2,503,702, Apr. 11.
Begin, Louis E.: *See*—
Berhenke, Luther F., and Begin.
Britton, Edgar C., and Begin.

Beguhn, Johanna E., Detroit, Mich. Cold wave permanent cap. 2,522,251, Sept. 12.

Beguhn, Mary E., Detroit, Mich. Hair curler. 2,528,994, Nov. 7.

Begun, Semi J.: *See*—
Arndt, John P., Jr., Jones, and Begun.

Begun, Semi J., Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. System for magnetically recording a modulated carrier in push-pull. 2,497,654, Feb. 14.

Begun, Semi J., Cleveland Heights, assignor to Magnatone, Inc., Cleveland, Ohio. Magnetic recording and reproducing. 2,513,616, July 4.

Begun, Semi J., Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Magnetic recording and reproducing. 2,513,617, July 4.

Begun, Semi J., Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Repolarized transducer system. 2,521,329, Sept. 5.

Begun, Semi J., Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Magnetic recording and reproducing. 2,535,480, Dec. 26.

Begun, Semi J., Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Demagnetizing apparatus for magnetic recorders. 2,535,481, Dec. 26.

Begun, Semi J., Cleveland Heights, and M. D. Temple, assignor to The Brush Development Company, Cleveland, Ohio. Magnetic transducing core for magnetic record transducers. 2,493,742, Jan. 10.

Begun, Semi J., Cleveland Heights, and J. P. Arndt, Jr., Euclid, assignors to The Brush Development Company, Cleveland, Ohio. Device to prevent accidental erasure of magnetic records. 2,508,485, May 23.

Behlmer, Henry B.: *See*—
Smythe, Robert L., Hahler, and Behlmer.

Behm, Alexander J. E. and E. M., Nottingham, England. Wire winding machine, particularly for electric heating elements. 2,496,847, Feb. 7.

Behm, Elsie M.: *See*—
Behm, Alexander J. E. and E. M.

Behn, Eric R., Garden City, assignor to Control Instrument Company, Inc., Brooklyn, N. Y. Temperature compensated conductivity cell electrode. 2,505,936, May 2.

Behnke, Edward R., Newark, and S. H. Royer, Elizabeth, N. J., assignors to The Linde Air Products Company. Fluid control for inert gas blanketed arc welding. 2,510,207, June 6.

Behnke, George W., R. G. Westcott, and J. Sandula, assignors to Simplicity Engineering Company, Durand, Mich. Screen cloth anchoring and tensioning means. 2,511,239, June 13.

Behr, Harry C. A., Delhi, N. Y., assignor to Sanitary Tampon Corporation, Chambersburg, Pa. Severing of connected tampons. 2,532,438, Dec. 5.

Behr, Henry, Jamaica, N. Y. Adjustable gauge warning signal switch. 2,523,352, Sept. 26.

Behr-Manning Corporation, assignee: *See*—
Waterfield, Donald A.
Webber, Charles S., and Timmer.

Behr, Siegfried, Flushing, N. Y. Hair ornament. 2,495,504, Jan. 24.

Behrens, Herbert C., Haddon Heights, assignor to Samuel M. Langston Co., Camden, N. J. Mill roll stand. 2,499,562, Mar. 7.

Behrens, Leo S., Baton Rouge, La. Bait casting device. 2,529,901, Nov. 14.

Behrens, Walter A., New York, assignor to Pathe Tool Manufacturing Co. Inc., Long Island City, N. Y. Multineedle chenille machine. 2,513,261, June 27.

Behringer, Grover F., Defiance, Ohio, assignor, by mesne assignments, to Belmont Radio Corporation, Chicago, Ill. Tuner. 2,532,051, Nov. 28.

Beicher, Earl I.: *See*—
White, Fred L., and Beicher.

Beidler, Edward A.: *See*—
Henderson, Ashland S., and Beidler.

Beier, Bernard G.: *See*—
Arf, Raymond H., and Beier.

Beier, Edwin G., Gary, Ind. Yarn conditioning device. 2,525,997, Oct. 17.

Beier, Hanns, New York, N. Y. Map holder. 2,508,136, May 16.

Beier, Kurt A., assignor to Schwitzer-Cummins Company, Indianapolis, Ind. Vibration dampener. 2,512,735, June 27.

Beigel, Henry L., ancillary administrator: *See*—
Merté, Willy W.

Beijl, Zako S., London, England. Bolt anchor. 2,525,198, Oct. 10.

Beller, Jay M., and G. J. Martin, assignors to The National Drug Company, Philadelphia, Pa. Decarboxylation inhibitor. 2,511,319, June 13.

Bein, Harold R., Sr., Westfield, Mass. Self-opening pin or clip for the hair. 2,496,656, Feb. 7.

Bein, Harold R., Westfield, Mass. Hair curler. 2,497,714, Feb. 14.

Beirer, Viktoria, Wattens, Tyrol, Austria. Knitting accessory. 2,524,157, Oct. 3.

Beisel, Karl F., Kansas City, Mo. Railway tie. 2,520,754, Aug. 29.

Beiser, Leo, New York, N. Y. Tobacco cartridge for smoking pipes. 2,529,902, Nov. 14.

Beitchman, Maurice I., Kansas City, Mo. Garment. 2,520,026, Aug. 22.

Beitzel, Horace C.: *See*—
Conlon, Thomas A., Davidson, Taylor, Richardson, Riniker, and Beitzel.

Bejcek, Edwin L., Flint, Mich. Capsule counter. 2,527,694, Oct. 31.

Beka St. Aubin A. G., assignee: *See*—
Baur, Franz W.

Beken, Fritz, Ilford, England. Mixing machine. 2,520,827, Aug. 29.

Belanger, Albert P. D., assignor to Alton Box Board Company, Alton, Ill. Winding spool. 2,532,658, Dec. 5.

Belanger, Vincent A.: *See*—
Levinsohn, Erwin, and Belanger.

Belch, Keith R., Annapolis, Md., assignor to Weems Navigation, Inc., Washington, D. C. Position finder. 2,531,248, Nov. 21.

Belcher, Clarence F.: *See*—
Lee, Henry R., and Belcher.

Belcher, Daniel, Minneapolis, Minn., assignor to Bemis Bro. Bag Company, St. Louis, Mo. Proofing laminated material. 2,513,708, July 4.

Belcher, Daniel, Minneapolis, Minn., R. J. Williams, Richmond Heights, Mo., and J. E. Voege, Alton, Ill., assignors to Bemis Bro. Bag Company, St. Louis, Mo. Apparatus for manufacturing valve bags. 2,527,295, Oct. 24.

Belcher, Harold H., Orange, Mass., assignor to Rodney Hunt Machine Company. Plaiter. 2,529,991, Nov. 14.

Belcher, John A., Winnipeg, Manitoba, Canada. Parts storing cabinet. 2,530,220, Nov. 14.

Belden, Clark D., Minneapolis, Minn. Armored cable cutter. 2,493,941, Jan. 10.

Belden Manufacturing Company, assignee: *See*—
Huth, Carl M.

Beldi, Fritz, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Apparatus for testing electrical windings in an insulating liquid. 2,518,518, Aug. 15.

Beldue, William J.: *See*—
Tuttle, William R., and Beldue.

Beler, Robert J., Pittsburgh, Pa. Flexible coupling. 2,525,580, Oct. 10.

Beleskas, Stanley M., Oaklyn, N. J., assignor to Radio Corporation of America. Wave generation and control. 2,515,030, July 11.

Belgau, Robert C., and A. P. Ward, assignors to Heat Generating Systems, Inc., Detroit, Mich. Air conditioner for hair driers and the like. 2,505,378, Apr. 25.

Belgeri, Paul, assignor to Brevets et procédés, Pyror S. A., Geneva, Switzerland. Thermostatic regulator for electric heating elements. 2,508,349, May 23.

Belgeri, Paul, assignor to Brevets et procédés, Pyror S. A., Geneva, Switzerland. Thermostatic regulator for electric heating elements. 2,508,350, May 23.

Belich, Daniel E., West Allis, Wis. Auxiliary bed controlled switch for electric alarm clocks. 2,496,373, Feb. 7.

Belisle, Adelard J., South Hadley, assignor to The Berkline Corporation, Chicopee, Mass. Locking device for rocking chairs. 2,500,789, Mar. 14.

Belisle, Adelard J., assignor to The Berkline Corporation, Springfield, Mass. Locking device for rocking chairs. 2,524,418, Oct. 3.

Beljers, Hugo G., W. Six, and J. te Winkel, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Amplifier with negative feedback. 2,494,426, Jan. 10.

Belk, William N., Rockford, Ill. Wood finishing machine. 2,519,816, Aug. 22.

Bell, A. G., assignee: *See*—
Jenkins, Otis V.

Bell, Adam C., Jackson Heights, and W. G. Alsop, New York, N. Y., assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J. Producing polyhydric alcohol esters of fatty acids. 2,496,328, Feb. 7.

Bell Aircraft Corporation, assignee: *See*—
Bell, Lawrence D.
Bowers, Herbert L.
Bowers, Herbert L., and Wolf.
Hensley, Edward F.
Irwin, Arthur S.
Nolan, Terence M., and Gasper.
Wells, Harold E.
Wolf, Robert A.
Young, Arthur M.

Bell, Alan, Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Preparing phosphate esters. 2,495,220, Jan. 24.

Bell, Alan, Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Reactions of lower trialkyl phosphites with sulfoxy halides and products thereof. 2,508,364, May 23.

Bell, Alan, Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Insecticides produced by reacting trialkyl phosphates with thiophosphoryl halides and their preparation. 2,514,150, July 4.

Bell, Alan, Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Preparing hexahydronaphthalene. 2,514,365, July 11.

Bell, Alan, Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Insecticidal compositions comprising either hexyl alkyl tetraphosphate or tetra-alkylpyrophosphate and either an alkali-metal fluoride or fluorosilicate. 2,514,621, July 11.

Bell, Alan, Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Preparing 1,4-dihydroxy-decahydronaphthalene. 2,514,987, July 11.

Bell, Alan, Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Reaction of phosphorous halides with trialkyl phosphates and resulting products. 2,521,892. Sept. 12.

Bell, Alexander H., Los Angeles, Calif., assignor to Continental Oil Company, Ponca City, Okla. Oil well blow-out preventer. 2,504,377, Apr. 18.

Bell, Alfred B., Philadelphia, Pa. Paring knife having a handle grooved for finger rests. 2,520,355, Aug. 29.

Bell, Alfred B., Philadelphia, Pa. Tiltably adjustable foot and leg rest. 2,528,331, Oct. 31.

Bell, Alfred B., Philadelphia, Pa., assignor to Heywood-Wakefield Company, Gardner, Mass. Recliner chair with leg rest. 2,528,995, Nov. 7.

Bell, Clarence D.: *See*—
Weber, Arthur G., and Bell.

Bell, David: *See*—
O'Bryan, Earl J., and Bell.

Bell, David A., assignor to A. C. Cossor Limited, London, England. Frequency changer. 2,504,626. Apr. 18.

Bell, David A., assignor to A. C. Cessor Limited, London England. Coupling apparatus for wireless antennas. 2,529,370, Nov. 7.

Bell, Donald F.: *See*—
Gragg, Henry, and Bell.

Bell Electric Company, assignee: *See*—
Bellek, Frank G.

Bell, Ernest L., Santa Ana, Calif. Road barricade or trestle. 2,507,880, May 16.

Bell, Francis H., assignee: *See*—
Simler, Harry R.

Bell, Frank R., Derby, C. A. Judson, Borrowash, near Derby, and L. Haworth, assignors to Rolls-Royce Limited, Derby, England. Power gas generator for internal-combustion power units. 2,528,635, Nov. 7.

Bell, Franklin E., Duncan, Okla. Self-dumping bailer. 2,523,608, Sept. 26.

Bell & Gossett Company, assignee: *See*—
Tidd, Edwin B.

Bell, Harry G., assignor, by mesne assignments to Gay-Bell Corporation, Paris, Ky. Knockdown extension for use in filling tobacco hogsheads. 2,514,988, July 11.

Bell, Harry G., Paris, and J. D. Gray, Jr., Lexington, assignors to Gay-Bell Corporation, Paris, Ky. Connection for the ends of hoop sections for knockdown barrels. 2,527,672, Oct. 31.

Bell, Harvey W., Yonkers, N. Y. Compressor or pump. 2,497,575, Feb. 14.

Bell, Helen L., executrix: *See*—
Bell, William D.

Bell, Henry B., Tulsa, Okla. Match igniting device. 2,510,854, June 6.

Bell & Howell Company, assignee: *See*—
Crumrine, Chester W.
Goodhand, Glenn.
Howell, Albert S.
Mueller, Arthur C.
Spiegel, Harold H.
Zuber, John G.

Bell, John: *See*—
Bedford, Leslie H., Bell and Langham.

Bell, John G., assignor, by mesne assignments, to Morris Paper Mills, Chicago, Ill. Container. 2,512,602, June 27.

Bell, John W., St. Catherines, Ontario, Canada. Rotary drier. 2,504,378, Apr. 18.

Bell, Joseph D., San Francisco, Calif. Chair arm. 2,500,398, Mar. 14.

Bell, Lawrence D., Eggertsville, assignor to Bell Aircraft Corporation, Wheatfield, N. Y. Power-driven wheelbarrow. 2,533,549, Dec. 12.

Bell, Lee A., Valencia, Pa. Glare screen mounting for motor vehicles. 2,518,592, Aug. 15.

Bell Machine Company, The, assignee: *See*—
Bailey, Lewis A.

Bell, Paul H., Noroton Heights, Conn., assignor to American Cyanamid Company, New York, N. Y. Automatic sample collector. 2,493,382, Jan. 3.

Bell, Persa R., Jr., Oak Ridge, Tenn., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Sweep-voltage generator circuit. 2,532,534, Dec. 5.

Bell Products Corporation, assignee: *See*—
Sebell, Harry.

Bell, Ralph, assignor to Kirsch Company, Sturgis, Mich. Venetian blind. 2,508,742, May 23.

Bell, Richmond T., Highland Park, assignor to The Pure Oil Company, Chicago, Ill. Production of thioethers and/or mercaptans. 2,531,602, Nov. 28.

Bell, Richmond T., Highland Park, assignor to The Pure Oil Company, Chicago, Ill. Synthesis of thioethers. 2,535,831, Dec. 26.

Bell, Richmond T., and C. M. Thacker, Highland Park, assignors to The Pure Oil Company, Chicago, Ill. Mercaptan synthesis. 2,498,872, Feb. 28.

Bell, Richmond T., and C. M. Thacker, Highland Park, assignors to The Pure Oil Company, Chicago, Ill. Mercaptan synthesis. 2,531,601, Nov. 28.

Bell, Ross E., Vancouver, British Columbia, Canada. Reversible propeller. 2,494,028, Jan. 10.

Bell, Rowland A., Miami, Fla. Lawn mower edger attachment. 2,521,033, Sept. 5.

Bell, Russell O., Lynwood, Calif. Tree support. 2,501,255, Mar. 21.

Bell Telephone Laboratories, Incorporated, assignee: *See*—
Adam, Armand O., Jr., and Avery.
Albersheim, Walter J.
Albert, Walter P.
Almquist, Milton L.
Anderson, Alva E.
Anderson, Lynn T., and Goddard.
Atkins, George E., and Mead.
Augustadt, Herbert W.
Bachelet, Albert E.
Bacon, Walter M.
Bacon, Walter M., and Watson.
Baker, George H., and Crump.
Baker, William O.
Bardeen, John.
Barlow, Dick S.
Barney, Harold L., and Mathes.
Barney, Harold L., Peterson, Potter, and Sears.
Barry, Joseph F., and Ruggles.
Barstow, John M.
Barstow, John M., and Lang.
Bascom, Henry M.
Beck, Alfred C.
Benfer, Richard W.
Berger, Uriah S.
Best, Fred H.
Bieling, Carl A.
Biskeborn, Merle C.
Black, Robert, Jr.
Boghosian, William H., Darlington, and Och.
Bond, Walter L.
Bouton, George M., Olsen, and Schumacher.
Bouton, George M., and Phipps.
Bowen, Arnold E.
Bower, Justus H.
Bowne, Langford J.
Branson, David E., Locke, and Marshall.
Brattain, Walter H., and Gibney.
Brehm, Harold B., and Kannenberg.
Brill, Melville D.
Bryant, Herbert W.
Budenbom, Horace T.
Buhrendorf, Frederick G., and Dermond.
Burelbach, Frederick M.
Burelbach, Frederick M., and Lukacs.
Burger, Michael J., and Clement.
Burton, Everett T.
Calbick, Chester J.
Campbell, Thaddeus C.
Carbrey, Robert L.
Carmer, Bertram H., Jr., and Dutra.
Caroselli, Frank.
Carpenter, Warren W.
Chapin, Daryl M.
Cheesman, Leonard E., and Mendenhall.
Clark, James E., and Ronci.
Clark, James E., Ronci, and West.
Clayden, Francis W., and Coleman.
Clogston, Albert M.
Corbin, Joseph E., and Newhouse.
Cowley, Greer W., and Thomas.
Craft, Clifford J., 3rd.
Cross, Leo.
Curran, Stanley T., and Thayer.
Cutler, Cassius C.
Dalton, John F.
Darlington, Sidney.
Darlington, Sidney, Townes and Wooldridge.
Daschke, Arthur W.
Davey, James R.
Davis, Gustoff W.
Davis, Richard C., Bohman, and Germanton.
De Coste, John B.
Dehn, Joseph W., and Williford.
De Lange, Owen E.
Depp, Wallace A.
Dickinson, Frank R.
Doba, Stephen, Jr.
Doherty, William H.
Drake, Ralph E.
Dubuar, Arthur S.
Duhnkrack, George H.
Dysart, Birney.
Edson, James O.
Edson, Robert C., and Hochgraf.
Edson, William A., and Wilson.
Ekstrand, Sture O., Maggs, and Ronci.
Ekstrand, Sture O., and Walsh.
Ellwood, Walter B.
Entz, Ferdinand S., Pullis, and Stibitz.
Erwin, Edson L.
Espenschied, Lloyd.
Fay, Clifford E.
Fay, Clifford E., and Hale.
Ferrell, Enoch B.

Bell Telephone Laboratories, Incorporated, assignee : *See*— Continued.
Fox, Arthur G.
Fracassi, Renato D.
Fritts, Morris.
Galbreath, Robert R.
Gano, Alfred S.
Garvin, John S.
Gee, Richard C., and Gronros.
Germanton, Charles E.
Germer, Lester H., and Reitter.
Gibney, Robert B.
Gilbert, John J.
Gilman, George W.
Gilmer, Peter E., and Samek.
Goddard, Myron C.
Goodall, William M.
Gooderham, John W.
Goodman, Gilbert.
Gormley, Robert S., Maggs, and Moose.
Graham, Robert S.
Grant, Dwight W.
Green, Estill I.
Greiner, Earl S.
Gronros, Warren.
Gronros, Warren, and Veazie.
Guthe, Olof D. M., and Shann.
Hagens, Herbert H.
Hague, Alfred E., and Joel.
Hale, Douglas A. S., and Kircher.
Hanscom, Clarence D.
Hansen, Harry.
Hanson, Robert L.
Harrison, Arthur E.
Harrison, Henry C.
Harry, William R.
Hartley, Ralph V. L.
Haury, Paul T.
Hawks, Verl J.
Hecht, George.
Heising, Raymond A.
Hersey, Ralph E.
Hey, Herman C.
Hickman, Clarence N.
Hochgraf, Lester.
Holdaway, Vivian L.
Holden, Alan N.
Holden, William H. T.
Huber, George H.
Hunt, Loyd E.
Jacobs, Oliver B.
Jahn, Alfred P.
Jenkins, Reginald T.
Johnson, John B.
Johnson, Kenneth S.
Kalin, Walter.
Kannenberg, Walter F.
Keister, William.
Keller, Arthur C.
Kempf, Raymond A.
Kent, Stanley B.
Ketchledge, Raymond W.
Kille, Lindley A.
King, Archie P.
King, Kenneth L.
Kinzer, John P.
Kirkpatrick, William E.
Kleinfelder, Walter C., and Sharpe.
Klute, Walter A.
Knoop, William A.
Kock, Winston E.
Koenig, Walter, Jr.
Koller, Fredrick W., and Ley.
Krantz, Hubert K.
Krauth, Edwin A.
Krecek, Joseph.
Kreer, John G., Jr.
Kreer, John G., Jr., and Peterson.
Kreisel, Ralph R.
Lamberty, Frederick R., Martins, and Wichman.
Lamberty, Frederick R., and Nitterauer.
Lander, James J.
Langabeer, Harvey T.
Lavery, Grant G.
Lewis, Benjamin F.
Lewis, Willard D.
Lewis, Willard D., and Tillotson.
Llewellyn, Frederick B.
Lovell, Clarence A.
Ludwig, Arthur.
Lukacs, Joseph J.
Lukacs, Joseph J., and Strickler.
Mahoney, John J., Jr.
Marrison, Warren A.
Masek, Fred E.
Mason, Warren P.
Matte, Andrew L.
Mattke, Charles F.
McConnell, John H.
McCoy, Robert G., and Werring.
McDavitt, Marcellus B., and Mitchell.
McMahon, William
McSkimin, Herbert J.

Bell Telephone Laboratories, Incorporated, assignee : *See*— Continued.
Meacham, Larned A.
Melick, John M.
Mendenhall, Hallam E.
Menzel, Paul R., Ronci, and Vance.
Mesch, Orwar S.
Meyers, Stanley T.
Miller, Charles G.
Miller, Kenneth W.
Miller, Stewart E.
Miloche, Herman A.
Miner, Russell C.
Mitchell, Doren.
Mohr, Milton E.
Moore, Hilbert R.
Morton, Edmund R.
Morton, Edmund R., and Stoller.
Morton, Jack A., and Ryder.
Morton, Jack A., and Vance.
Mott, Edward E.
Mueller, George E.
Mumford, William W.
Munson, Wilden A.
Munson, Wilden A., and Wente.
Murphy, Paul B.
Nebel, Charles N.
Nesbitt, Ethan A.
Nesbitt, Ethan A., and Williams.
Newby, Neal D.
Newhouse, Russell C., and Reynolds.
Nordslick, Arnold T.
Ohl, Russell S.
Oliver, Bernard M.
Olmstead, Noel C.
Parkinson, David B.
Pearsall, Frank M.
Pearson, Gerald L., and Shockley.
Peek, Robert L., Jr.
Perreault, George E.
Peterson, Eugene.
Pierce, John R.
Pfleger, Kenneth W.
Potter, John F., and Rigterink.
Potter, Ralph K.
Prince, Roy W., Jr.
Quarles, Donald A.
Rack, Alois J.
Rasmussen, Osvald E.
Rea, Wilton T.
Reck, Frank.
Reeve, Howard T.
Retallack, John B.
Rhoads, Charles S.
Richard, Charles D.
Richardt, John W., Jr., and Shann.
Riesz, Robert R.
Ring, Douglas H.
Rippere, Robert O.
Robb, Theodore D., and Shiel.
Roberts, Leland C.
Robertson, Sloan D.
Ronci, Victor L.
Ronci, Victor L., and West.
Roschke, Erwin M.
Rosen, Sidney.
Roth, Walater L.
Rulison, Raymond L.
Samuel, Arthur L.
Schelkunoff, Sergei A.
Schenck, Alfred K.
Schramm, Charles W.
Shanck, Roy B.
Shann, Oscar A.
Shepherd, William G.
Shockley, William.
Singer, Fred J., and Stacy.
Sivian, Leon J.
Skellett, Albert M.
Slonczewski, Thaddeus.
Smith, Phillip H.
Snyder, James M.
Soffel, Robert O., and Joel, Jr.
Southworth, George C.
Spencer, Harry H.
Stevens, Ralph R.
Sykes, Roger A.
Trucksess, David E.
Turnbull, William J., Jr.
Tyrrell, Warren A.
Vance, Robert L.
Wadsworth, Paul W.
Wallace, Robert L., Jr.
Walsh, Edward J.
Walter, James N
Watson, Edward F.
Watts, Henry M., Jr.
Weeks, John R., Jr.
Wehe, Herman G.
Wertz, Hugh S.
West, John W.
Whidden, William E.
Wilhelm, Henry T.
Williams, Samuel B.

Bell Telephone Laboratories, Incorporated, assignee: *See*— Continued.
Williford, Oscar H.
Wilson, Albert.
Wirsching, Robert E.
Wooten, Leland A.
Wright, Henry O.
Yenzer, George R.
Young, Clarence H.
Young, William R., Jr.
Ziegler, Arthur W.

Bell Telephone and Radio Corporation, assignee: *See*— Cameron, Emmet G., Keiper, Mitschke, Burlingame, and Ferguson.

Bell, Walter: *See*— Van Alstyne, Howard M., and Bell.

Bell, William A., El Dorado, Ark. Nailing machine. 2,525,637, Oct. 10.

Bell, William D., deceased, Columbus, Ohio; H. L. Bell, executrix. Detecting imperfectly sealed containers of vacuum-holding type. 2,512,910, June 27.

Bell, William D., Columbus, assignor to Anchor Hocking Glass Corporation, Lancaster, Ohio. Method and apparatus for sealing containers. 2,518,856, Aug. 15.

Bell, William D., Columbus, assignor to Anchor Hocking Glass Corporation, Lancaster, Ohio. Apparatus for sealing containers. 2,518,857, Aug. 15.

Bell, William V., Seattle, Wash. Bait-fish holder. 2,518,593, Aug. 15.

Bella, Sam, Kankakee, Ill. Garbage receptacle. 2,495,505, Jan. 24.

Bella, Stanley J., Wilkes-Barre, Pa. Shaving brush. 2,535,716, Dec. 26.

Bellamy, William: *See*— Sharp, Oscar, and Bellamy.

Bellato, Frank A., assignor to B. Del Carlo, Stockton, Calif. Machine for sizing and cleansing asparagus tips. 2,496,516, Feb. 7.

Belle City Malleable Iron Company, assignee: *See*— Anderson, Russell J.

Belle Weather Incorporated, assignee: *See*— Tucker, Thomas T.

Bellek, Frank G., assignor to Bell Electric Company, Chicago, Ill. Electrical receptacle. 2,498,642, Feb. 28.

Bellek, Frank G., assignor to Bell Electric Company, Chicago, Ill. Electrical receptacle. 2,498,643, Feb. 28.

Beller, Hans, Cranford, and G. O. Altmann, Elizabeth, N. J., assignors to General Aniline & Film Corporation, New York, N. Y. Pulverulent iron of improved electromagnetic properties. 2,508,705, May 23.

Bellezza, Russell G., assignor to Locke, Incorporated, Baltimore, Md. Forming building blocks. 2,508,901, May 23.

Bellinger, Martin J., Boston, Mass. Surgical appliance for use with draining wounds. 2,524,750, Oct. 10.

Bellinghausen, John, assignor of one-half to J. J. Meyers, Carroll, Iowa. Combination farm wagon. 2,495,678, Jan. 31.

Bellitt, James E.: *See*— Mulberger, Henry C., and Bellitt.

Bellone, Alfred F. S.: *See*— Scriabine, Igor, Billan, Bellone, and Gaillard.

Bellow, Abraham, and A. F. Carter, Leeds, England. Button feeding mechanism. 2,534,753, Dec. 19.

Bellows, Guy, Jr., Erie, Pa., assignor to General Electric Company. Electrical contact composition or the like. 2,519,872, Aug. 22.

Bellstedt, Carl, Lynwood, Calif. Incinerator for products of combustion engines, furnaces, and the like. 2,492,947, Jan. 3.

Belluche, Elmer W. and F. R., assignors to The Christensen Machine Company, Racine, Wis. Adjustable sheet separator mechanism. 2,506,628, May 9.

Belluche, Elmer W., assignor to The Christensen Machine Company, Racine Wis. Book-stitching machine. 2,513,276, July 4.

Belluche, Frank R.: *See*— Belluche, Elmer W. and F. R.

Bellum, Mabel I., Sarasota, Fla. Diaper protector and retainer. 2,513,618, July 4.

Belmont, Elliott T., Boston, Mass. Box for loose-leaf holders. 2,495,687, Jan. 31.

Belmont Radio Corporation, assignee: *See*— Behringer, Grover F.
D'Orio, Pat A
Dunn, William L.
Gannaway, Robertson R.
Gannaway, Robertson R., and Zurakov.
Hall, Emery L.
Hall, Emery L., and Schreiner.
Hills, Elmer G.
Hills, Elmer G. and Rankin.
Marholz, Richard C.
Olesky, Anthony P.
Plensler, Alexander W.
Schreiner, Louis W.

Belock, Harry D., Queens Village, N. Y. Remote controlled positioning system. 2,526,628, Oct. 24.

Beloit Iron Works, assignee: *See*— Goodwillie, John E.
Hornbostel, Lloyd.
Hornbostel, Lloyd, and Goodwillie.
Hrubecky, George F.

Below, Hermann P., New Braunfels, Tex. Outboard motor. 2,494,158, Jan. 10.

Bels, Basil A., Great Neck, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill. Resonant electrical arrangement. 2,533,912, Dec. 12.

Belsey, Frederick H.: *See*— Dannatt, Cecil, and Belsey.

Belsinger, Inc., assignee: *See*— Belsinger, Jack R.

Belsinger, Jack R., assignor to Belsinger, Inc., Atlanta, Ga. Easy packing container. 2,512,539, June 20.

Belschner, Ernst, Brooklyn, N. Y. Painting shield. 2,497,715, Feb. 14.

Belsky, Abraham, Brooklyn, N. Y. Blanket cover and holder. 2,505,027, Apr. 25.

Belter, Paul A.: *See*— Beckel, Arthur C., and Belter.

Belter, Paul A.: *See*— Beckel, Arthur C., Cowan, and Belter.

Belter, Paul A.: *See*— De Voss, Letta I., Beckel, and Belter.

Beltman, George C., assignor to Caine Steel Company, Chicago, Ill. Car retarder. 2,499,812, Mar. 7.

Beltone Hearing Aid Co., assignee: *See*— Hanson, Harvey E.
Posen, Sam.
Posen, Sam, and Hanson.

Beltz, John S., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Feed nut operating mechanism for power drills. 2,506,988, May 9.

Beltz, John S., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Safety electrical control for drilling machines. 2,532,079, Nov. 28.

Beman, Ward W., Glendale, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Critical speed indicator. 2,497,431, Feb. 14.

Beman, Ward W., Glendale, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Transonic airfoil design. 2,532,753, Dec. 5.

Beman, Warren A., Albany, and R. B. Killingsworth and A. C. Pabst, Douglaston, N. Y., assignors to Socony-Vacuum Oil Company, Incorporated. Insecticide base oil toxicant. 2,502,366, Mar. 28.

Bemis Bro. Bag Company, assignee: *See*— Allen, Henry H.
Belcher, Daniel.
Belcher, Daniel W., and Voege.
Brady, Charles V., and Ottinger.
Gleave, Russell, and Dickmann.
Ottinger, August F.
Roper, Amund S.
Weeks, Norman E.

Bemis, Fay H., St. Paul, Minn. Weedless fishhook. 2,513,397, July 4.

Bemis, Ken E., Oakland, Calif. Automatic frying and basting of eggs. 2,517,167, Aug. 1.

Bemiss-Jason Company, assignee: *See*— Pagendarm, John F.
Meller, Reginald B.

Benak, George R., assignor to R. T. Moloney, Chicago, Ill. Ball bumper. 2,501,021, Mar. 21.

Benander, George B., Oaklawn, R. I., assignor to Monowatt Incorporated. Plug connector. 2,495,623, Jan. 24.

Benander, George B., Oaklawn, R. I., assignor to Monowatt Incorporated. Key lamp socket. 2,505,518, Apr. 25.

Bénard, Lucette, Forest par Moutier-Rozeille, assignor to M. A. E. Assada, Villefranche-sur-Saone (Rhone), France. Stabilization of soft roes of fish and product obtained thereby. 2,522,560, Sept. 19.

Benbow, Burtis W., Benbow, Calif. Traveling contacting device. 2,501,203, Mar. 21.

Benbow, Burtis W., Benbow, Calif. Electrical trolley cable apparatus. 2,508,091, May 16.

Benbow, Burtis W., Benbow, Calif. Apparatus for continuously vulcanizing rubber strip material. 2,532,080, Nov. 28.

Benbow, James D., assignee: *See*— Antos, Joseph.

Bench, David, assignee: *See*— Smelker, LeRoy.

Bench, David E.: *See*— Hush, James M., and Bench.

Bench, Helen V., assignee: *See*— Smelker, LeRoy.

Bench, Martha J., assignee: *See*— Smelker, LeRoy.

Bench, Paul F., assignee: *See*— Smelker, LeRoy.

Bench, Thomas E., assignee: *See*— Smelker, LeRoy.

Benchley, Robert, Jr.: *See*— Ebert, Ludwig, and Benchley.

Benco, George F., Philadelphia, Pa. Comb. 2,524,038, Oct. 3.

Benda, Henry L., Chicago, Ill. Cushion. 2,512,007, June 20.

Bender, Henry J., Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric motor. 2,508,137, May 16.

Bender, Howard L., and A. G. Farnham, Bloomfield, and J. W. Guyer, Verona, N. J., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Thermosetting resin from a diphenol and a diglycidyl ether of a diphenol. 2,506,486, May 2.

Bender, John C., Houston, Tex., assignor, by mesne assignments, to Lane-Wells Company, Los Angeles, Calif. Subsurface prospecting device. Re. 23,226, May 9.

Bender, John H., and D. H. Shooter, Maywood, Calif. Measuring wheel alignment. 2,532,593, Dec. 5.

Bender, Joseph A., Newark, N. J., and J. D. McKiernan, Brooklyn, N. Y., assignors to Curtiss-Wright Corporation. Collapsible mandrel. 2,503,431, Apr. 11.

Bender, Sydney E., Brooklyn, N. Y. Device for pressure and heat sealing of plastics. 2,530,221, Nov. 14.

Bender, Welcome W., Jr., Baltimore, W. B. Bergen, Glen Arm, and W. G. Purdy, Baltimore, assignors to The Glenn L. Martin Company, Middle River, Md. Apparatus for calibrating vibration equipment. 2,505,601, Apr. 25.

Bendicsen, Olaf T., Burbank, Calif. Adjustable and self-aligning fitting. 2,509,285, May 30.

Benditt, John A., Philadelphia, Pa. Self-closing safety pin. 2,514,464, July 11.

Bendix Aviation Corporation, assignee: *See*—
Ainsworth, George O.
Alexanderson, Howard A., and Wheeler.
Alvino, Alphonse V.
Arnold, Thomas G., Jr.
Bange, George E.
Bechberger, Paul F.
Bennett, Robert P.
Bergsma, Clarence J.
Bevins, James E.
Bevins, James E., and Leigh.
Bevins, James E., and Williams.
Bolt, Jay A., and Jackson.
Bower, Howard S.
Breese, Robert P.
Brinson, Harry A.
Brown, Robert L.
Burnett, Richard T.
Buxton, James E.
Cole, Charles E.
Cooke, Charles G.
Deardorff, Clinton E. and Elder.
Deardorff, Clinton E., and Meddock.
Dickey, John W.
Dickey, John W., and Trout.
Digby, James J.
Dingman, Glen H.
Du Bois, William H.
Dunbar, Richard F.
Edwards, Robert B.
Emerson, John F.
Emerson, Richard C.
Faatz, Embry D., and Weatherly.
Fell, William F.
Flanagan, Robert M.
Flanagen, Robert.
Foxtow, David L.
Frank, Frederick C.
Frei, Jakob R.
Frei, Jakob R., and Uline.
Frerer, Paul G.
Fricke, Guy C., and Sloane.
Gartner, Lawrence E.
Gartner, Lawrence E., and Allen.
Geyh, Charles P.
Gilbert, Samuel.
Glass, John P., Jr.
Gleasman, Hollis K.
Goldberg, Harold.
Gordon, James F.
Gregg, David.
Griemsmann, Henry E.
Haas, Harold G.
Hammond, John W.
Hayes, Albert E., Jr.
Hegy, Louis.
Hermanny, Heinrich.
Holmes, Bradford B.
Hood, E. Elliott.
Hood, Edwin E.
House, Bryan E.
House, Bryan E., and Goepfrich.
Hukill, Henry D.
Hupp, Edward E.
Jandasek, Joseph.
Ketay, Morris F., and Miller.
Knudson, Giltner J.
Konet, Henry.
Kunz, William J., Jr.
Lambert, William J.
Langmore, Herbert C., and Ehrhardt.
Laucks, Howard H.
Lauricella, John W., and Stracener.
Lawrence, Donald M.
Lawrence, Donald M., Gregg and Taylor.
Lehman, Samuel K., and Lawrence.
Leininger, James E., and Seaton.
Lindner, Ralph V., and Edwards.
Long, Richard H.

Bendix Aviation Corporation, assignee: *See*—Continued.
Malley, Raymond B.
MacCallum, Alan M.
MacDuff, Stanley I.
MacIntyre, Charles H.
Marshall, John T.
Marshall, John T., and Bower.
Marye, Robert B.
Martin, John G.
Mategorin, Theodore J.
McNaney, Joseph T.
McNulty, John V.
Mead, John A.
Menzer, Anton, and Naylor.
Metsger, Charles S.
Miles, George S.
Miller, Donald L.
Miller, Raymond J.
Mock, Frank C.
Mock, Frank C., and Thurston.
Mossey, Joseph L.
Murphy, Norman B.
Nardone, Romeo M.
Neild, William G.
Neuner, Martin J.
Noxon, Paul A.
Noxon, Paul A., and Murphy.
Ofeldt, August W.
Ogden, William L. W., and Bennett.
Omberg, Arthur C.
Operhall, Theodore.
Parker, Leland C.
Parker, Leland C., Hackett, and Pecoraro.
Parker, Leland C., and Riggen.
Peterson, Joel D.
Polye, William R.
Price, Earl R.
Price, Harold W.
Purdy, Rolland M., and Winkler.
Reek, Royal J., and Kuzmitz.
Reek, Royal J., and Wisman.
Riggen, Theodore K.
Rossire, Francis H. S.
Rudd, Maurice A.
Ryan, William R., and Levine.
Schnaible, Albert P.
Schneck, Frederick W.
Schultheis, Harry B., Jr.
Schultz, Harold B.
Shanklin, John P.
Siltamaki, Harold A.
Smeltzer, Raymond F.
Spengler, Walter J.
Stamper, Hamilton A.
Stockinger, Paul P.
Stracener, William H., and Bechberger.
Streb, Robert J.
Strozinski, Anthony J.
Stuart, Alfred A., Jr.
Sturm, Ralph E., and Cosby.
Sutton, Richard A.
Sylvander, Roy C.
Sylvester, Harcourt M., and Rusk.
Tarter, Henry G.
Teague, Walter D., Jr.
Thomas, Thomas H.
Tognola, Tullio.
Tognola, Tullio, and Smith.
Tota, Kenneth P.
Trautman, Walter C.
Tweney, George H., and Miller.
Waltman, Robert M.
Warner, Louis A.
Warren, Cleve B.
Warsher, Adolph.
Westman, Sydney E.
Winchel, Henry T.
Winchel, Henry T., and Addis.
Winchel, Henry T., and Robuck.
Winkler, Albert H.
Winkler, Albert H., and Wirth.
Wippert, James A.
Wirth, Emil O.
Wirth, Emil O., and Barfod.
Wisman, Franklin O.

Bendix Aviation Corporation (Delaware), assignee. *See*—
Vance, Walter S.

Bendix Home Appliances, Inc., assignee: *See*—
Erler, Walter C.
Mintner, George E., and Constantine.
Oliver, Wallace F.
Oliver, Wallace F., and Jensen.
Reiter, Alexander L.

Bendix-Westinghouse Automotive Air Brake Company, assignee: *See*—
Bent, Arthur J.
Casler, Roger H.
Eaton, Wilfred A.
Fitch, Ellery R.
Sanford, Roy S.

Bendz, Waldemar I.: *See*—
Drake, Harcourt C., Bendz, and Mesh.
Bendz, Waldemar I., Weston, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Variable voltage drive. 2,504,105, Apr. 18.
Benedict, Emily, assignee: *See*—
Benedict, Fremont W.
Benedict, F. W., assignee: *See*—
Benedict, Fremont W.
Benedict, Fremont W., Upper Darby, assignor to F. W. and E. Benedict, E. W. and E. Hipp, co-partners trading under the name of Bruell Products Company, Philadelphia, Pa. Separating solid matter from hot wort. 2,530,594, Nov. 21.
Benedict, Louis R., Philadelphia, Pa. Dispenser. 2,496,193, Jan. 31.
Benedict, Robert E.: *See*—
Wilmotte, Raymond M., and Benedict.
Benedict, Wayne L., assignee: *See*—
McNair, Eric P., and Swartwood.
Beneke Corporation, assignee: *See*—
De Ball, George W.
Bener, Christian, Chur, Switzerland. Waterproofing cellulose textiles. 2,512,195, June 20.
Benevento, Giuseppe S., Pittsburgh, Pa. Brick veneer and clip. 2,528,205, Oct. 31.
Benfer, Richard W., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Automatic plotter. 2,499,941, Mar. 7.
Benge, Frank H., Norristown, Pa., assignor to Continental-Diamond Fibre Company, Newark, Del. Molding apparatus. 2,521,625, Sept. 5.
Benice, Theodore S., Los Angeles, Calif. Exerciser. 2,512,911, June 27.
Beninger, Clarence, Indianapolis, Ind. Removable conveyer slat and latch therefor. 2,524,186, Oct. 3.
Benjamin, Clarence F., North Harlowe, N. C. Combined folding chair and rest. 2,505,702, Apr. 25.
Benjamin, Cordelia P., Toledo, Ohio. Container. 2,522,772, Sept. 19.
Benjamin, Fred H., Wexford, assignor to F. J. Kress Box Company, Pittsburgh, Pa. Web roll support for corrugated paperboard machines. 2,501,985, Mar. 28.
Benjamin, Leonard P., Huntington, W. Va. Electric timer. 2,529,371, Nov. 7.
Benjamin, Milton L., Shaker Heights, and F. E. Winnen, Cleveland, Ohio, said Winnen assignor to said Benjamin. Chuck. 2,515,183, July 18.
Benjamin Reel Products, Inc., assignee: *See*—
Johnson, James E., and Yirava.
Benke, Roy, Dallas, Tex., assignor to The Atlantic Refining Company, Philadelphia, Pa. Core-cutting device. 2,513,398, July 4.
Bennek, John D., Milwaukee, Wis. Minnow holder. 2,502,816, Apr. 4.
Bennek, John D., Milwaukee, Wis. Poultry tongs. 2,517,168, Aug. 1.
Benner, Paul B., Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif. Cable laying sheave. 2,501,837, Mar. 28.
Benner, Raymond C., and J. C. McMullen, assignors to The Carborundum Company, Niagara Falls, N. Y. Ball mill lining element and composition for same. 2,502,198, Mar. 28.
Benner, Theodore A., assignor to Airplane & Marine Instruments, Inc., New York, N. Y. Volume control for amplifiers. 2,512,994, June 27.
Bennett, Alva H.: *See*—
Osterberg, Harold, and Bennett.
Bennett, Alvin L., National City, assignor to Solar Aircraft Company, San Diego, Calif. Welding flux. 2,507,751, May 16.
Bennett, Andrew V., New York, N. Y. Match clip. 2,515,072, July 11.
Bennett, Arthur F., West Barrington, G. B. Hirsch, Providence, and W. A. Gigger, Barrington, R. I., assignors to Brown and Sharpe Manufacturing Company. Gear shift control mechanism. 2,529,067, Nov. 7.
Bennett, Arthur N., assignor to The Great Western Sugar Company, Denver, Colo. Recovery of glutamic acid and other values from Steffen waste water. 2,535,117, Dec. 26.
Bennett, Bailey, and G. H. McFadden, Columbus, and J. F. Lyman, Westerville, assignors to The Ohio State University Research Foundation, Columbus, Ohio. Rubber article and making same. 2,498,785, Feb. 28.
Bennett, Charles E., Ridgewood, assignor to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J. Joint for electric cable systems. 2,493,909, Jan. 10.
Bennett, Charles E., Ridgewood, assignor to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J. Electric power cable. 2,501,305, Mar. 21.
Bennett, Charles E., Ridgewood, assignor to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J. Fluid impregnated electric cable. 2,516,747, July 25.
Bennett, Charles E., Ridgewood, assignor to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J. Terminal structure for electric cable systems. 2,520,111, Aug. 29.
Bennett, Charles E., Ridgewood, assignor to The Okonite-Callender Cable Company, Incorporated, Patterson, N. J. Terminal for electric power cable systems. 2,532,477, Dec. 5.
Bennett, Charles E., Ridgewood, and P. V. White, Waldwick, assignors to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J. Apparatus for installing electric power cables. 2,498,834, Feb. 28.
Bennett, Charles J., C. T. Christie, and P. J. Cuddyre, Jr., Oakland, Calif. Baseball practice apparatus. 2,527,906, Oct. 31.
Bennett, Charles W., Rochester, N. Y., and W. F. Alexander, Cleveland, Ohio, assignors to Rochester Institute of Technology, Rochester, N. Y. Preparation of a printing surface. 2,532,390, Dec. 5.
Bennett, Clarence G., San Mateo, Calif., assignor to Paterson Pacific Parchment Company. Butter package. 2,497,203, Feb. 14.
Bennett, Claude L., assignee: *See*—
Bennett, John E.
Bennett, David A.: *See*—
Bennett, Roy E. and D. A.
Bennett, Donald R., and P., Monterey Park, and R. C. Young, Downey, assignors of one-half to F. A. Shimer, Los Angeles, Calif. Water injection system for Diesel engines. 2,518,858, Aug. 15.
Bennett, Earnest L., New Augusta, assignor to J. I. Holcomb Mfg. Co., Indianapolis, Ind. Brush mount. 2,507,881, May 16.
Bennett, Floyd J., Mesa, Ariz. Children's table with folding seats. 2,502,502, Apr. 4.
Bennett, Frank M., Canton, Ohio. Heat exchanger. 2,517,169, Aug. 1.
Bennett-Gillen Corporation, assignee: *See*—
Bennett, Milton I.
Bennett, Howard S., Scotia, N. Y. Safety bar for bathtubs. 2,513,619, July 4.
Bennett, Howard S., Scotia, N. Y. Safety bar for bathtubs. 2,513,620, July 4.
Bennett, James A. J., Round Riding Road, Scotland. Rotary wing aircraft. 2,523,186, Sept. 19.
Bennett, James H.: *See*—
Shaw, Norman H., and Bennett.
Bennett, John, Bramcote, England, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Holder for thermionic valves. 2,500,892, Mar. 14.
Bennett, John D., Beaumont, Tex., assignor to International Derrick & Equipment Company, Columbus, Ohio. Protecting well drilling rotaries against blowouts. 2,506,538, May 2.
Bennett, John D., Beaumont, Tex., assignor to International Derrick & Equipment Company, Columbus, Ohio. Rotary for drilling wells. 2,506,767, May 9.
Bennett, John D., Beaumont, Tex., assignor to International Derrick & Equipment Company, Columbus, Ohio. Spring loaded hydraulic adapter. 2,513,990, July 4.
Bennett, John E., San Francisco, Calif. Device for comminuting fruits and vegetables. 2,527,695, Oct. 31.
Bennett, John E., assignor to C. L. Bennett, Elgin, Ill. Toothbrush having powder pickup grooves. 2,533,345, Dec. 12.
Bennett, John G.: *See*—
Bangham, Donald Hugh, Bennett, Mayorcas, Pirani and Thring.
Bennett, John G., C. D. Greaves, and G. C. Phillpotts, London, and M. Pirani, W. J. Kramers, and D. B. Foster, Kingston-on-Thames, assignors to C. D. Patents Limited, London, England. Production of useful articles from coal. 2,493,383, Jan. 3.
Bennett, John H., Falls County, Tex. Power mower, 2,530,041, Nov. 14.
Bennett, John R., Wabash, Ind., assignor to The General Tire & Rubber Company, Akron, Ohio. Flexible mounting. 2,496,770. Feb. 7.
Bennett, Joseph N., Canton, Ohio. Micrometer height gauge. 2,515,583, July 18.
Bennett, Laurence R.: *See*—
Bowling, Robert B., and Bennett.
Bennett, Maurice E., Fort Wayne, Ind., assignor to General Electric Company. Bearing wick retainer. 2,503,021, Apr. 4.
Bennett, Milton I., Briarcliff Manor, assignor to Bennett-Gillen Corporation, New York, N. Y. Consumer goods segregator. 2,516,292, July 25.
Bennett, Nicholas: *See*—
Foster, Reginald T., and Bennett.
Bennett, Norman, Pensacola, Fla. Display device for advertisements. 2,525,199, Oct. 10.
Bennett, Oliver H., Jamestown, N. Dak. Jet operated spinning toy. 2,516,541, July 25.
Bennett, Owen G., Baltimore, Md., assignor to Catalyst Research Corporation, Pittsburgh, Pa. Heating elements. 2,500,790, Mar. 14.
Bennett, Owen G., Baltimore, Md., assignor to Catalyst Research Corporation, Pittsburgh, Pa. Heating device. 2,531,548, Nov. 28.
Bennett, Pat: *See*—
Bennett, Donald R., and P., and Young.
Bennett, Paul L., Burbank, and L. A. Bryant, Los Angeles, Calif, said Bennett assignor to said Bryant. Condenser means for measuring level conditions. 2,532,883, Dec. 5.
Bennett, Paul R.: *See*—
Dewhurst, Wallace W., and Bennett.

Bennett, Richard, Phoenix, Ariz. Testing apparatus for fluid meters. 2,510,327, June 6.
Bennett, Robert B., Akron, Ohio. Rolling and rocking toy. 2,526,927, Oct. 24.
Bennett, Robert P.: *See*—
Ogden, William L. W., and Bennett.
Bennett, Robert P., Braddock Heights, assignor to Bendix Aviation Corporation, Towson, Md. Remotely controlled accurate positioning system. 2,515,944, July 18.
Bennett, Roy E. and D. A., Lenox, Iowa. Higher speed gear. 2,520,194, Aug. 29.
Bennett, Sidney, New York, N. Y. Powder distributor for preventing offset from freshly printed sheets. 2,496,194, Jan. 31.
Bennett, Solon A: *See*—
Adinamis, Peter J., and Bennett.
Bennett, Stephen S., Flint, Mich. Pan type vapor burner. 2,530,675, Nov. 21.
Bennett, Theodore C., M. M. Morton, Philadelphia, and F. M. Gloeckler, Upper Darby, Pa. Floating wing airplane. 2,499,350, Mar. 7.
Bennett, Tom J., Oklahoma City, Okla. Sign for house numbers and the like. 2,515,818, July 18.
Bennett, Walter, assignor to Utility Trailer Manufacturing Company, Los Angeles, Calif. Trailer coupling. 2,522,740, Sept. 19.
Bennett, Willard H., Chevy Chase, Md. Apparatus for discharging static electricity from aircraft. 2,515,182, July 18.
Bennett, Willard H., Washington, D. C. Radio-frequency mass spectrometer. 2,535,032, Dec. 26.
Bennett, William C.: *See*—
Milner, William A., and Bennett.
Bennett, Wilham E., Littlefield, Tex. Cotton harvester. 2,502,817, Apr. 4.
Bennett, William, Jr., Mechanicsburg, Pa. Wing cutter. 2,535,717, Dec. 26.
Bennett, William O., Jr., assignor to Hamilton Watch Company, Lancaster, Pa. Seconds setting mechanism. 2,496,690, Feb. 7.
Bennett, William Ogle, Jr., Lancaster Township, Lancaster County, assignor to Hamilton Watch Company, Lancaster, Pa. Hairspring overcoil raising tool. 2,515,689, July 18.
Bennett, William R., Jr., assignee: *See*—
Bennett, William R., Sr.
Bennett, William R., Sr., assignor of one-fourth to W. H. Blizzard, one-fourth to W. R. Bennett, Jr., and one-fourth to C. R. Thompson, High Point, N. C. Suction cleaning means for loopers. 2,501,838, Mar. 28.
Benning, Anthony F.: *See*—
McHarness, Robert C., and Benning.
Benning, Anthony F., Woodstown, N. J., assignor to the United States of America as represented by the United States Atomic Energy Commission. Vapor phase fluorination process. 2,505,877, May 2.
Benning, Anthony F., Woodston, N. J., assignor to the United States of America as represented by the United States Atomic Energy Commission. Fluorinating hydrocarbons. 2,521,626, Sept. 5.
Benning, Walter F., Toledo, Ohio, assignor to Mack Manufacturing Corporation, New York, N. Y. Spring suspension. 2,509,625, May 30.
Benninghofen, Paul, assignee, trustee: *See*—
Waechter, Harry J.
Bennis, William J., Chicago, Ill. Telephone dial recording device. 2,518,859, Aug. 15.
Bennison, William E., London England, assignor to R. Hoe & Co. Inc., New York, N. Y. Doctor blade mechanism for rotary intaglio printing machines. 2,523,643. Sept. 26.
Beno, George M., Rocky River, assignor to Record Files, Inc., Wooster, Ohio. Follower for filing compartments. 2,501,491, Mar. 21.
Benoliel, Robert W., Menlo Park, Calif., and B. W. Flanagan, Baton Rouge, La., assignors to Standard Oil Development Company. Emptying butyl rubber reactor. 2,530,145, Nov. 14.
Benoist, Louis A., San Francisco, and D. I. Pursley, Atherton, Calif, assignors, by mesne assignments, to Lawrence Universal Pallet Corporation, Wilmington. Del. Pallet. 2,503,022, Apr. 4.
Benoit, Conrad H., Roslindale, Mass. Power punch 2,509,956, May 30.
Benoit, Dona J., Pawtucket, R. I. Attaching a leader to a hook. 2,533,418. Dec. 12.
Benoit, George J., Jr., San Anselmo, Calif., assignor to Hercules Powder Company, Wilmington, Del. Preparing a hydroabietylamine. 2,520,901, Sept. 5.
Benoit, Henry F., Charlton, Mass. Coupling for vacuum systems. 2,518,218, Aug. 8.
Benoit, Leon, New York, and R. Vahle, Tappan, assignors, by mesne assignments, to Robert Gair Company, Inc., New York, N. Y. Carton erecting machine. 2,505,703, Apr. 25.
Benrus Watch Company, Inc., assignee: *See*—
Williams, Leon A.
Bensen, Igor B., Alplaus, N. Y., assignor to General Electric Company. Rotary wing parachute and controls. 2,526,451, Oct. 17.
Bensen, Igor B., Alplaus, N. Y., assignor to General Electric Company. Sonic air-speed and stall indicator. 2,519,015, Aug. 15.
Bensen, Igor B., Schenectady, N. Y., assignor to General Electric Company. Seal arrangement. 2,498,479, Feb. 21.
Benson, Albert H., Hopewell, N. J. Amphibious equipment for vehicles. 2,497,857, Feb. 21.
Benson, Albert H., Hopewell, N. J. Repairing slide fasteners. 2,530,371, Nov. 21.
Benson, Albin N., Philadelphia, Pa. Process and apparatus for catching machine gun bullets. 2,518,445, Aug. 15.
Benson, Albin N., Philadelphia, Pa., F. J. McMorrow, Springfield, Mass., C. E. Septfonds, Jr., Fort Leavenworth, Kans., and S. C. Blankstein, Springfield, Mass. Catching machine gun bullets. 2,518,446, Aug. 15.
Benson, Alfred B.: *See*—
Rast, Frederick Q., and Benson.
Benson, Anna, Chicago, Ill. Apparatus for making cookies and the like. 2,526,193, Oct. 17.
Benson, Anton A.: *See*—
Sherwin, Frank, and Benson.
Benson, Arthur D., Los Angeles, Calif. Garment press. 2,509,626, May 30.
Benson, Arthur E., Detroit, Mich., assignor to United States Rubber Company, New York, N. Y. Wire fabric tire casing. 2,501,372, Mar. 21.
Benson, Arthur E., Detroit, Mich., assignor to United States Rubber Company, New York, N. Y. Tire building apparatus. 2,521,143, Sept. 5.
Benson, Arthur E., H. S. Howe, and C. Mosshart, Detroit, Mich., assignors to United States Rubber Company, New York, N. Y. Apparatus for making wire tire fabric. 2,512,762, June 27.
Benson, Ben, Winnepeg, Manitoba, Canada. Steering head for motorcycles. 2,511,320, June 13.
Benson, Bradley L., Glendale, Calif. Mixer. 2,512,603, June 27.
Benson, Carl H., assignor to O. F. Mossberg & Sons, Inc., New Haven, Conn. Forearm for firearms. 2,498,749, Feb. 28.
Benson, Carl H., assignor to O. F. Mossberg & Sons, Inc., New Haven, Conn. Magazine for firearms. 2,507,364, May 9.
Benson, Charles F., Jackson, Mich. Spring seat and back structure. 2,532,884, Dec. 5.
Benson, Cyril O.: *See*—
McLaren, Peter J., and Benson.
Benson, Earl L., H. G. Young, and R. B. Hunt, Sioux Falls, S. Dak.; said Young assignor to said Hunt and said Benson. Bait box. 2,535,256, Dec. 26.
Benson, Ernest H., Kansas City, Mo. Bung forming structure for barrels. 2,507,752, May 16.
Benson, George O., assignor to Chisholm-Ryder Company, Incorporated, Niagara Falls, N. Y. Telescoping structure. 2,496,264, Feb. 7.
Benson, Gwyn, and R. L. Perks, Shawinigan Falls, assignors to Shawinigan Chemicals Limited, Montreal, Quebec, Canada. Polymerizing vinyl acetate in granular form. 2,535,189, Dec. 26.
Benson, Harry D., Fresno, assignor to General Nailing Machine Corporation, Sanger, Calif. Spring scale. 2,529,759, Nov. 14.
Benson, Ira, assignee: *See*—
Kite, Clarence L.
Benson, Jarome F., Uvalde, Tex. Four point swing suspension. 2,517,278, Aug. 1.
Benson, Jesse M., Concord, Tenn., assignor to Sasgen Derrick Co., Chicago, Ill. Scaffold. 2,524,302, Oct. 3.
Benson, Jesse M., Concord, Tenn., assignor to Sasgen Derrick Co., Chicago, Ill. Safety winch. 2,525,764, Oct. 17.
Benson, Jimmie M., Miami, Fla. Inhaler. 2,532,282, Dec. 5.
Benson, John A., Nahant, Mass., assignor to General Electric Company. Air-cooled spark plug. 2,493,743, Jan. 10.
Benson, John E., assignor to Amalgamated Wireless (Australasia) Limited, Sydney, New South Wales, Australia. Automatic frequency scanning system. 2,515,850, July 18.
Benson, Merle K.: *See*—
Price, Albert, and Benson.
Benson, Merle K., Stevensville, assignor to Helms Industrial Development Company, Grand Rapids, Mich. Animal trap. 2,506,055, May 2.
Benson, Ralph L., Birmingham, Mich., assignor to Avco Manufacturing Corporation. Multiple temperature refrigerator. 2,505,379, Apr. 25.
Benson, Ralph L., Birmingham, Mich., assignor to AVCO Manufacturing Corporation. Refrigerator cabinet structure. 2,514,926, July 11.
Benson, Ralph L., assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Edge illuminated shelf for refrigerator cabinets. 2,515,584, July 18.
Benson, Richard E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing o-alkylimino ethers. 2,516,293, July 25.
Benson, Robert C., Kirksville, Mo. Angle hole digger. 2,514,832, July 11.
Benson, Robert E., Wichita Falls, Tex. Testing vat elevator. 2,494,224, Jan. 10.
Benson, Thomas, Elm Park, N. Y. Coiling device. 2,527,518, Oct. 31.

Bent, Arthur J., Penn Township, Allegheny County, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure compressor governor. 2,501,706, Mar. 28.
Bent, Arthur J., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure control valve device. 2,496,904, Feb. 7.
Bent, Arthur J., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake cylinder device. 2,501,707, Mar. 28.
Bent, Arthur J., Wilkinsburg, Pa., assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio. Valve mechanism. 2,501,755, Mar. 28.
Bentley Engineering Company Limited, The, assignee: *See*— Peberdy, Roland
Bentley, Harold P., and R. P. La Vonier, assignors to Bentley Weldery, Inc., Syracuse, N. Y. Work manipulator. 2,495,438, Jan. 24.
Bentley, James P., St. Louis, Mo. Gun sight attachment. 2,519,220, Aug. 15.
Bentley, Lewin, Chilliwack, British Columbia, Canada. Lawn mower sharpener. 2,498,938, Feb. 28.
Bentley, Raymond B., Pacific Grove, Calif. Drainer with rotatable drum and encircling belt for confining cans therebetween. 2,532,594, Dec. 5.
Bentley, Robert H., assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Wire terminal mounting. 2,496,145, Jan. 31.
Bentley Weldery, Inc., assignee: *See*— Bentley, Harold P., and La Vonier.
Benton Ballou Company, Ltd., assignee: *See*— Waters, Laurence W.
Bentsen, Elmer C., Mission, Tex. Reciprocating mixing valve. 2,510,369, June 6.
Bentsen, William J., assignor to Solar Aircraft Company, San Diego, Calif. Making patterns for sheet stamping dies. 2,495,402, Jan. 24.
Bentz, Erwin J., Washington, and K. J. Fleck, assignors to Caterpillar Tractor Co., Peoria, Ill. Glow plug for internal-combustion engines. 2,506,768, May 9.
Bentz, Lloyd O.: *See*— Stefi, Eugene P., and Bentz.
Bentzen, Max T., assignor to General Metalware Company, Minneapolis, Minn. Funnel with supporting element having means for fitting different sized filling spouts. 2,517,759, Aug. 8.
Benzer, Seymour, West Lafayette, assignor to Purdue Research Foundation, La Fayette, Ind. Electrical device with germanium alloys. 2,504,627, Apr. 18.
Benzer, Seymour, West Lafayette, assignor to Purdue Research Foundation, La Fayette, Ind. Electrical device with germanium alloys. 2,504,628, Apr. 18.
Benzler, Bengt L., Stockholm, Sweden. Control device for rotary reciprocating engines. 2,517,279, Aug. 1.
Beranek, Leo L., Cambridge, Mass., assignor to the United States of America as represented by the Executive Secretary of the Office of Scientific Research and Development. Pressure-compensated telephone unit. 2,505,519, Apr. 25.
Berberian, Agop, Arlington, Mass. Textile ironing apparatus. 2,527,873, Oct. 31.
Berberian, Edward, Union City, N. J. Surface cleaning and shampooing machine. 2,495,686, Jan. 31.
Berberich, Leo J.: *See*— Strom, Albert P., and Berberich.
Berberich, Leo J., and W. W. Pendleton, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Resistance compositions and products thereof. 2,498,238, Feb. 21.
Berberich, Leo J., and R. Friedman, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Dielectric. 2,525,473, Oct. 10.
Berch, Samuel H., Beverly Hills, Calif. Container flap folding apparatus. 2,500,922, Mar. 21.
Berch, Samuel H., Beverly Hills, assignor to The Flexible Vacuum Container Corporation, Los Angeles, Calif. Mechanism for filling, vacuumizing, and sealing containers. 2,528,680, Nov. 7.
Berchtold, Wallace W., York, Pa., assignor to American Chain & Cable Company, Inc., Bridgeport, Conn. Hoist. 2,495,804, Jan. 31.
Berck, William F., Hayward, assignor to Ralph N. Brodie Company, Oakland, Calif. Positive displacement type fluid meter. 2,531,603, Nov. 28.
Berck, William F., assignor to Ralph N. Brodie Company, Oakland, Calif. Two-cylinder rotary motor. 2,531,903, Nov. 28.
Bercovitz, Bernard, assignee: *See*— Johnstone, Louis W., and Gilbert.
Bercut-Richards Packing Company, assignee: *See*— Ten Eyck, William A.
Berdis, Albert J., and L. S. Dahl, Pittsburgh, Pa., assignors to Carnegie-Illinois Steel Corporation. Apparatus for handling sheets during inspection. 2,497,149, Feb. 14.
Beren, Adolph, assignee: *See*— Green, George W.
Beresford, Dorothy, Clifton, N. J. Twisting type collapsible tube dispenser. 2,502,918, Apr. 4.
Berestneff, Alexis A., assignor to Carrier Corporation, Syracuse, N. Y. Absorption refrigeration system. 2,520,027, Aug. 22.
Berestneff, Alexis A., assignor to Carrier Corporation, Syracuse, N. Y. Absorption refrigeration system. 2,535,776, Dec. 26.
Beretta, John W., San Antonio, Tex. Pontoon bridge support. 2,510,948, June 13.
Beretvás, Helen S., Chicago, Ill., assignor to Nox-Rust Corporation. Protective coatings. 2,518,438, Aug. 15.
Bereza, Bohdan, Thomaston, Conn. Screw. 2,520,232, Aug. 29.
Berg, Arthur A., Chicago, Ill. Lifting jack. 2,508,934, May 23.
Berg, Carl, Northampton, and M. Berg, assignors to Nickel Cadmium Battery Corporation, Easthampton, Mass. Battery separator. 2,514,151, July 4.
Berg, Chester P., Reading, assignor to Macungie Hosiery Mills, Inc., Macungie, Pa. Attachment for circular knitting machines. 2,500,337, Mar. 14.
Berg, Clyde H. O., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Shale oil eduction. 2,501,153, Mar. 21.
Berg, Clyde H. O., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Adsorption process. 2,519,342, Aug. 22.
Berg, Clyde H. O., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Adsorption process and apparatus. 2,519,343, Aug. 22.
Berg, Clyde H. O., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Adsorption process. 2,519,344, Aug. 22.
Berg, Clyde H. O., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Adsorption process and apparatus. 2,519,873, Aug. 22.
Berg, Clyde H. O., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Adsorption process and apparatus. 2,519,874, Aug. 22.
Berg, Clyde H. O., Long Beach, and P. H. Jones, Redondo Beach, assignors to Union Oil Company of California, Los Angeles, Calif. Oil well furnace. 2,506,853, May 9.
Berg, Edwin H., Milwaukee, Wis. Float valve. 2,525,014, Oct. 10.
Berg, Egon G., and A. Voorderman, assignors to Universal Engineering Corporation, Cedar Rapids, Iowa. Rotary snowplow. 2,498,522, Feb. 21.
Berg, Gustav, Glasgow, Scotland. Comber board for looms. 2,524,876, Oct. 10.
Berg, Harry, Detroit, Mich. Layout copier with transfer screws and gauging driver. 2,500,653, Mar. 14.
Berg, James R., Detroit, Mich., assignor, by mesne assignments, to R. P. Scherer Corporation. Purification of nicotinamide. 2,496,114, Jan. 31.
Berg, Joseph and V. L. King, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y. Manufacture of nicotinamide. 2,510,922, June 6.
Berg, Leo F., Oak Park, Ill., assignor to Hotpoint Inc. Vent structure. 2,525,062, Oct. 10.
Berg, Leo F., Oak Park, and W. R. McDowell, Westchester, Ill., assignors to Hotpoint Inc. Thermal controlled cooking vessel. 2,530,643, Nov. 21.
Berg, Louis B., Chicago, Ill., assignor by mesne assignments, to R. W. Carter, Luling, Tex. Self-adjusting sack holder and filling valve. 2,525,113, Oct. 10.
Berg, Louis B., and J. E. Martin, San Antonio, assignors, by mesne assignments, to R. W. Carter, Luling, Tex. Flotation separator and extractor. 2,530,676, Nov. 21.
Berg, Marcus: *See*— Berg, Carl and M.
Berg, Nels O.: *See*— Budnick, Abraham M., and Berg.
Berg, Otto E.: *See*— Kaiser, Herman F., and Berg.
Berg, Solomon, Newark, N. J. Hollow repair device for leaky boiler tubes. 2,517,626, Aug. 8.
Bergan, Martin D., Westfield, assignor to The Thomas & Betts Co., Elizabeth, N. J. Twin-screw armored cable connector. 2,506,334, May 2.
Bergan, Martin D., Westfield, assignor to The Thomas & Betts Co., Elizabeth, N. J. Box hole closure. 2,522,741, Sept. 19.
Bergan, Martin D., Westfield, assignor to The Thomas & Betts Co., Elizabeth, N. J. Connector. 2,533,161, Dec. 5.
Berge, Joseph, Maplewood, N. J., assignor to Jaeger Watch Company, Inc., New York, N. Y. Electromagnetic timepiece with oil shield. 2,531,966, Nov. 28.
Bergel, Franz, and A. Cohen, Welwyn Garden City, England, assignors, by mesne assignments, to Hoffmann-La Roche Inc., Nutley, N. J. Manufacture of ketotetrahydropyridine derivatives and hydroxypyridine derivatives. 2,493,520, Jan. 3.
Bergemann, Arnold H., North Mankato, Minn. Latching relay. 2,531,838, Nov. 28.
Bergen, Albert, assignor to National Silver Company, New York, N. Y. Control means for music boxes. 2,504,918, Apr. 18.
Bergen, Daniel E., Phillips, Tex., assignor to Phillips Petroleum Company. Treatment of hydrocarbons. 2,493,384, Jan. 3.
Bergen, Philip E., Farmington, Conn. Tire chain. 2,498,523, Feb. 21.
Bergen, Philip E., Farmington, Conn. Tire tread. 2,511,690, June 13.
Bergen, William B.: *See*— Bender, Welcome W., Jr., Bergen, and Purdy.

Berger, Adolph L., Dayton, Ohio. Combustion chamber for gas turbine engines. 2,504,106, Apr. 18.

Berger, Albert H., Rocky River, assignor, by mesne assignments, to The Consolidated Iron-Steel Manufacturing Company, Cleveland, Ohio. Sheet-metal gas burner. 2,532,439, Dec. 5.

Berger, Albert H., Rocky River, assignor, by mesne assignments, to The Consolidated Iron-Steel Manufacturing Company, Cleveland, Ohio. Fuel tank bowl connection. 2,532,595, Dec. 5.

Berger, Arthur F., assignor to The Master Electric Company, Dayton, Ohio. Interior radially expanding clutch with equalizing means. 2,493,744, Jan. 10.

Berger, Arthur J., New York, N. Y. Fog resistance testing apparatus. 2,533,214, Dec. 12.

Berger, Arthur J., New York, N. Y. Shock testing device. 2,534,218, Dec. 19.

Berger Brothers Company, The, assignee: *See*—
Champagne, Emory C.
Versoy, Irving R.

Berger, Carl W., McPherson, Kans., assignor to The Inventors Guild, Newark, N. J. Water-level indicator. 2,520,993, Sept. 5.

Berger, Charles V., Minneapolis, Minn., assignor to Universal Oil Products Company, Chicago, Ill. Controlling catalyst regeneration temperature. 2,492,948, Jan. 3.

Berger, Earl O.: *See*—
Robinson, Lawrence R. and K. I., Berger, and Lang.

Berger, Emil J., and H. K. West, assignors to Dexdale Hosiery Mills, Lansdale, Pa. Picot bar actuating mechanism. 2,507,487, May 16.

Berger, Emil J., and H. K. West, assignors to Dexdale Hosiery Mills, Lansdale, Pa. Straight knitting machine. 2,519,875, Aug. 22.

Berger, France B., Watertown, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Electrical circuit. 2,535,257, Dec. 26.

Berger, George, New York, assignor to Arrow Fastener Co., Brooklyn, N. Y. Stapling machine. 2,499,843, Mar. 7.

Berger, Henry G.: *See*—
Badertscher, Darwin E., Feasley, and Berger.

Berger, Henry G., Glen Rock, and E. W. Fuller, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Mineral oil composition. 2,493,216, Jan. 3.

Berger, Henry G., Glen Rock, and E. W. Fuller, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Mineral oil composition. 2,493,217, Jan. 3.

Berger, Jacob, New York, N. Y. Stroller having removable chair. 2,512,995, June 27.

Berger, John L., Columbia, assignor to Armstrong Cork Company, Lancaster, Pa. Comminuting machine. 2,524,751, Oct. 10.

Berger, Kornel, Kew Gardens, N. Y. Lamp harp. 2,530,803, Nov. 21.

Berger, Leo: *See*—
Lee, John, and Berger.

Berger, Leonard K., New York, N. Y. Collar holder having adjustable clamp members. 2,502,199, Mar. 28.

Berger, Paul, Chicago, Ill. Transformer. 2,515,109, July 11.

Berger, Roy M., assignor to R. Firestone, Brooklyn, N. Y. Knuckle joint. 2,527,787, Oct. 31.

Berger, Samuel I., Newark, N. J. Toy machine gun. 2,531,023, Nov. 21.

Berger, Samuel I., Newark, N. J. Toy typewriter. 2,534,399, Dec. 19.

Berger, Uriah S., Rockaway, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Radio receiving system. 2,527,617, Oct. 31.

Bergere, Emric W., San Diego, Calif. Bowling pin having plastic-impregnated fabric coating. 2,535,033, Dec. 26.

Bergerioux, René, Saint-Cloud, France. Table game apparatus. 2,497,925, Feb. 21.

Bergeron, Ernest J., Fitchburg, Mass. Corner protector for enclosed bodies. 2,514,833, July 11.

Bergeron, Lawrence G., Cleveland, assignor of 45/100ths to S. Eldridge Sampliner, Euclid, Ohio. Electric chime and carrier for the vibratory and striker elements thereof. 2,506,009, May 2.

Bergeron, Louis, Chicago, Ill. Collapsible tube cap. 2,511,038, June 13.

Bergès, André C., Mimisan-Plage, France. Vortex type separator for paper pulp. 2,532,885, Dec. 5.

Bergeson, Stephen J., Palmer, Mass. Reciprocating device. 2,534,943, Dec. 19.

Bergey, Joseph R., assignee: *See*—
Annable, Oliver S.

Bergford, Carl A., Yonkers, assignor to International Business Machines Corporation, New York, N. Y. Voltage generator. 2,514,023, July 4.

Bergfors, Carl A., Yonkers, assignor to International Business Machines Corporation, New York, N. Y. Electronic trigger. 2,506,439, May 2.

Berggren, Detlof E., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. X-ray tube with movable directing cone. 2,497,755, Feb. 14.

Berggren, Detlof E., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn, as trustee. Device for diaphragming X-rays. 2,501,756, Mar. 28.

Berggren, George E., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for continuously making vulcanized articles. 2,509,668, May 30.

Berggren, George E., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for continuously making vulcanized articles. 2,513,781, July 4.

Berggren, Karl V. R., Stockholm, Sweden. Frame structure joint. 2,529,903, Nov. 14.

Berggstein, Samuel, Cincinnati, Ohio, assignor to R. M. Bergstein and F. D. Bergstein, trustees. Making knockdown, hinged lid cartons. 2,515,327, July 18.

Bergh Bros. Co., Inc., assignee: *See*—
Bergh, George G.

Bergh, George G., assignor to Bergh Bros. Co., Inc., Attleboro Falls, Mass. Flexible and expansible band. 2,521,144, Sept. 5.

Bergier, Jacques: *See*—
Deschamps, Jean B., and Bergier.

Berglund, Jonas O., and L. Wallin, Gnesta, Sweden. Manufacturing twisted drills and other tools. 2,522,499, Sept. 19.

Berglund, Malcolm F., Chicago, Ill. Hydroscope and camera combination. 2,496,430, Feb. 7.

Berglund, Ralph M., assignor to Pacific American Fisheries, Inc., Bellingham, Wash. Fish boning device. 2,534,219, Dec. 19.

Bergman, Carl R., Minocqua, Wis. Minnow trap. 2,522,017, Sept. 12.

Bergman, Ed., assignor, by mesne assignments, to Moldmaster, Inc., New York, N. Y. Desk tray. 2,524,877, Oct. 10.

Bergman, John S. W., Vancouver, British Columbia, Canada. Fish lure. 2,498,352, Feb. 21.

Berman, Louis, New York, N. Y. Garment pocket construction. 2,534,335, Dec. 19.

Bergman, Oscar A., Shaker Heights, Ohio. Selector apparatus for color and other combinations. 2,499,450, Mar. 7.

Bergman, William E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Treating a water base drilling mud to remove contaminating sulfate ions. 2,529,760, Nov. 14.

Bergmann, Carl A., Milwaukee, assignor to Le Roi Company, West Allis, Wis. Hydropneumatic motor. 2,512,763, June 27.

Bergmann, Charles G., Phillipsburg, N. J. Adjustable collet stop. 2,515,289, July 18.

Bergmann, Ernst, London, assignor to Polymerisable Products Limited, London County, England. Preparing 2-mercapto oxazolines. 2,525,200, Oct. 10.

Bergmann, Ernst, London, assignor to Polymerisable Products Limited, London County, England. Hexahydro pyrimidine derivatives and making same. 2,525,855, Oct. 17.

Bergmann, Ernst R., assignor to Goodman Manufacturing Company, Chicago, Ill. Shaker conveyer system. 2,524,752, Oct. 10.

Bergmann, Richard F., Winnetka, and R. W. Suman, Chicago, Ill., and H. F. Watson, Philadelphia, Pa., assignors to Link-Belt Company. Traveling water intake screen. 2,525,516, Oct. 10.

Bergmar, Sten E., Abrahamsberg, and F. V. Kimblad, Stockholm, Sweden. Exact reading of the phase position of an arbitrary impulse in a periodically recurrent series of impulses. 2,520,489, Aug. 29.

Bergmark, Ernest R.: *See*—
Ryan, Commodore D., Sager, Atherton, and Bergmark.
Ryan, Commodore D., Sager, Bergmark, and Atherton.

Bergonzo, Charles, Moutier, Switzerland. Several color lead holder pencil. 2,530,674, Nov. 21.

Bergquist, Lars G., Shaunavon, Saskatchewan, Canada. Land packer. 2,503,317, Apr. 11.

Bergsma, Clarence J., Springfield, Mass., assignor to Bendix Aviation Corporation, Teterboro, N. J. Irreversible drive. 2,514,465, July 11.

Bergstein, Frank D., assignee: *See*—
Bergstein, Robert M.
Bergstein, Samuel.

Bergstein, Robert M., Cincinnati, Ohio, assignor to R. M. and F. D. Bergstein, trustees. Carton and making it. 2,529,128, Nov. 7.

Bergstein, Robert M., assignee, trustee: *See*—
Bergstein, Samuel.

Bergstein, Samuel, Cincinnati, Ohio. Manufacture of transparent knockdown containers. 2,500,338, Mar. 14.

Bergstein, Samuel, Cincinnati, Ohio. Gastight and gas-filled package and making it. 2,506,056, May 2.

Bergstein, Samuel, Cincinnati, Ohio. Rendering paperboard cartons gastight and packages so produced. 2,506,067, May 2.

Bergstein, Samuel, Cincinnati, Ohio. Filling and sealing a container punctured at two spaced points for introduction of inert gas and discharge of internal air. 2,506,769, May 9.

Bergstein, Samuel, Cincinnati, Ohio, assignor to R. M. and F. D. Bergstein, as trustees. Method and apparatus for sealing containers. 2,519,102, Aug. 15.

Bergsteinsson, Ingolfur, Torrance, and T. W. Evans and J. R. Scheibli, Oakland, assignors to Shell Development Company, San Francisco, Calif. Catalytic hydroxylation of olefinic compounds. 2,500,599, Mar. 14.

Bergsten, Charles A., Evanston, and L. C. Jones, Western Springs, assignors to Ditto, Incorporated, Chicago, Ill. Card sorting device. 2,501,492, Mar. 21.
Bergsten, Lawrence J., Minneapolis, Minn. Pipe joint. 2,510,949, June 13.
Bergstrom, Carl N., Portland, Oreg. Lubricator for automobile springs. 2,518,273, Aug. 8.
Bergstrom, Carl P., Millbury, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Letoff for looms. 2,508,810, May 23.
Bergstrom, Carl P., Millbury, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Picker check for looms. 2,513,909, July 4.
Bergstrom, Carl P., Millbury, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Transferrer arm for weft replenishing looms. 2,519,817, Aug. 22.
Bergstrom, Eric V.: *See*—
Payne, John W., and Bergstrom.
Utterback, Ernest, and Bergstrom.
Bergstrom, Eric V., Short Hills, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Gas-solid contact process. 2,493,218, Jan. 3.
Bergstrom, Eric V., Short Hills, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Method and apparatus for hydrocarbon conversion. 2,493,219, Jan. 3.
Bergstrom, Eric V., Short Hills, N. J., and E. Utterback, New York, N. Y., assignors to Socony-Vacuum Oil Company, Incorporated. Heating granular solids. 2,499,624, Mar. 7.
Bergstrom, Eric V., Short Hills, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Apparatus for thermal cracking of hydrocarbons. 2,503,188, Apr. 4.
Bergstrom, Eric V., Short Hills, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Reactor. 2,503,703, Apr. 11.
Bergstrom, Eric V., Short Hills, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Elevating particle-form solids with bucket conveyer. 2,531,192, Nov. 21.
Bergstrom, Herman A., Albany, assignor to General Aniline & Film Corporation, New York, N. Y. Non-dusting compositions for stabilizing diazo salts. 2,527,347, Oct. 24.
Bergstrom, Hilmer C., Herman, Minn. Swinging mailbox. 2,522,983, Sept. 19.
Bergum, John, assignee: *See*—
Rice, John A.
Berhenke, Luther F.: *See*—
Britton, Edgar C., and Berhenke.
Berhenke, Luther F., and L. E. Begin, assignors to The Dow Chemical Company, Midland, Mich. Production of aromatic-oxy-aliphatic carboxylates. 2,516,611, July 25.
Berhenke, Luther F., Midland, Mich., and L. W. Byers, Urbana, Ill., assignors to The Dow Chemical Company. Catalytic curing of organo-siloxane resins. 2,521,672, Sept. 12.
Berk, Bernard: *See*—
Michaels, Edwin B., and Berk.
Berk, Bernard R., assignee: *See*—
Borisof, Bernard.
Berkeley, Charles, Boston, Mass. Wrist watch strap. 2,513,782, July 4.
Berkeley, Laurence J., Danville, Ill. Continuous longitudinal seam welder. 2,526,723, Oct. 24.
Berkeley, Scott B., Goldsboro, N. C. Sound transmission ear vestibule for telephone conversation recording. 2,498,239, Feb. 21.
Berkenkotter, Edward L., Elmwood Park, and J. H. Herz, Chicago, Ill. Apparatus for plating crankshafts. 2,530,677, Nov. 21.
Berkholder, George H., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control device. 2,495,087, Jan. 17.
Berkley, Carl, New York, N. Y., assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Photosensitive device using a semitransparent mirror and an oscilloscope for testing razor blades for sharpness. 2,502,503, Apr. 4.
Berkline Corporation, The, assignee: *See*—
Belisle, Adelard J.
Berkman, Boris, Appleton, Wis., assignor to Milkweed Products Development Corporation, Chicago, Ill. Milkweed gin. 2,497,532, Feb. 14.
Berkman, Boris, assignor to Milkweed Products Development Corporation, Chicago, Ill. Mattress. 2,507,586, May 16.
Berkower, Louis, Bronx, N. Y. Adjustable measuring cup. 2,527,348, Oct. 24.
Berland, Morton, and M. Spiegler, St. Paul, Minn. Quick starting arrangement for fluorescent lamps. 2,513,840, July 4.
Berle, Lorna D., Pelham Manor, N. Y. Dress shield. 2,497,843, Feb. 21.
Berlepsch, Charles A.: *See*—
Moore, Harold S., and Berlepsch.
Berlin, Irving: *See*—
McCann, De Witt, and Berlin.
Berlin, Milton, Brooklyn, N. Y. Making cutting dies. 2,495,221, Jan. 24.
Berlincourt, William E., Montreal, Quebec, Canada. Poising and balancing tool. 2,517,830, Aug. 8.
Berliner, Henry A., Washington, D. C., assignor to Engineering and Research Corporation, Riverdale, Md. Reaction propulsion system for aircraft. 2,523,938, Sept. 26.
Berlinger, Joseph F., executor: *See*—
Broder, Harry.
Berlowitz, Elly, administratrix: *See*—
Berlowitz, Max.
Berlowitz, Max, deceased, by E. Berlowitz, administratrix, London, England. Altering the temperature of fluids. 2,522,086, Sept. 12.
Berlyn, Martin J., Enfield, Conn., and E. E. Stansfield, assignors to American Bosch Corporation, Springfield, Mass. Circuit breaker. 2,508,486, May 23.
Berlyn, Martin J., Suffield, Conn., and J. J. Broderick, assignors to American Bosch Corporation, Springfield, Mass. Fuel supply apparatus for internal-combustion engines. Re. 23,268, Sept. 19.
Bermack Company, The, assignee: *See*—
Berman, Benof Z.
Berman, Benof Z., assignor to The Bermack Company, New York, N. Y. Self-tapping screw. 2,507,882, May 16.
Berman, Frank, Brooklyn, N. Y. Strainer. 2,532,052, Nov. 28.
Berman, Gustave S., New York, N. Y. Sheet folding machine. 2,531,386, Nov. 28.
Berman, Hyman E. and M. S., Minneapolis, Minn. Combined refrigerator and cooker. 2,504,794, Apr. 18.
Berman, Joseph E.: *See*—
Toulmin, Harry A. Jr., and Berman.
Berman, Léon M., assignor to Laboratoires Radioelectriques, Paris, France. Frequency meter. 2,501,154, Mar. 21.
Berman, Myron S.: *See*—
Berman, Hyman E. and M. S.
Berman, Oscar A., New York, N. Y. Pad for the application or removal of cosmetics. 2,528,812, Nov. 7.
Berman, William W., Brooklyn, N. Y. Sleeve construction. 2,514,276, July 4.
Bermingham, James A., Jr., Tulsa, Okla., assignor to The Texas Company, New York, N. Y. Coupling device. 2,493,521, Jan. 3.
Bernaldes, Dominador A., Negros Occidental, P. I. Sugar sulfitation apparatus. 2,515,690, July 18.
Bernard, Andrew E., Cleveland, Ohio. Tangent screw adjustment for pivoted calipers. 2,514,024, July 4.
Bernard, Arthur A., Chicago, Ill., assignor to National Cylinder Gas Company. Welding electrode. 2,505,937, May 2.
Bernard, Arthur A., Chicago, Ill. Hammer. 2,519,016, Aug. 15.
Bernard Display Devices, Inc., assignee: *See*—
Brown, Bernard.
Bernard, Geoffrey G.: *See*—
Anderson, Edward G. O., and Bernard.
Bernard, Herbert: *See*—
Ware, Paul, and Bernard.
Bernard, Herbert, Belleville, assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Reversible pointer and scale indicator. 2,521,564, Sept. 5.
Bernard, Joseph: *See*—
Bernard, William and J.
Bernard, Maurice E., Paris, France. Binocular viewing apparatus for microfilms and the like. 2,517,170, Aug. 1.
Bernard, William and J., West Millington, assignors to American Asbestos Industries, Inc., South Orange, N. J. Apparatus for manufacturing cement-asbestos board. 2,500,923, Mar. 21.
Bernard, William and J., West Millington, assignors to American Asbestos Industries, Inc., Berkeley Heights, N. J. Apparatus for manufacturing cement-asbestos board. 2,503,466, Apr. 11.
Bernardi, Dominic J., New York, and F. A. Dostal, Maspeth, assignors to Interchemical Corporation, New York, N. Y. Manufacture of arginine base. 2,533,215, Dec. 12.
Bernards, Clarence L., San Leandro, R. and P. Bernards, Castro Valley, assignors to John M. Bernards & Sons, Inc., Ashland, Calif. Manufacturing frozen confections. 2,495,403, Jan. 24.
Bernards, John M., & Sons, Inc., assignee: *See*—
Bernards, Clarence L., R. and P.
Bernards, Parley: *See*—
Bernards, Clarence L., R. and P.
Bernards, Robert: *See*—
Bernards, Clarence L., R. and P.
Bernas, Robert: *See*—
Yardeny, Michel N., and Bernas.
Yardeny, Michel N., Bernas, and Goldberg.
Berndt, Arthur, New York, N. Y. Gearing device. 2,525,335, Oct. 10.
Berndt-Bach, Incorporated, assignee: *See*—
Bach, Walter H.
Berndt, George W.: *See*—
Brown, Charles R., and Berndt.
Berndt, Paul: *See*—
Dauber, Joseph, and Berndt.
Berndt, Richard F., Racine, Wis., assignor to Virkotype Corporation. Belt guide and tensioning device. 2,532,987, Dec. 5.

Berndtson, John O.: *See*—
Nabstedt, Arthur T., and Berndtson.

Bernelin, Marie A.: *See*—
Duch, Gabriel V. A., and M. Adrienne.

Bernhard, Benjamin S., assignor to The American Hardware Corporation, New Britain, Conn. Door holder. 2,497,830, Feb. 14.

Bernhard, Benjamin S., assignor to The American Hardware Corporation, New Britain, Conn. Ajar door holder. 2,505,320, Apr. 25.

Bernhard, Benjamin S., assignor to The American Hardware Corporation, New Britain, Conn. Magnetic door holder. 2,514,927, July 11.

Bernhard, Benjamin S., assignor to The American Hardware Corporation, New Britain, Conn. Door holder. 2,535,981, Dec. 26.

Bernhardt, Otto P. W.: *See*—
Earl, John R., Hartmann, McGinnis, and Bernhardt.

Bernhart, Finn W., Solon, Ohio, assignor to Wyeth Incorporated, Philadelphia, Pa. Production of crystalline penicillin salts. 2,496,848, Feb. 7.

Bernheim, Daniel P., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting having clamp type rim and temple connector. 2,500,654, Mar. 14.

Bernheim, Daniel P., assignor to American Optical Company, Southbridge, Mass. Eye protection device. 2,529,068, Nov. 7.

Bernier, Robert E.: *See*—
La Rosa, Vincent S., Shields, and Bernier.

Berninger, Kenneth L.: *See*—
Martin, Thomas B., and Berninger.
Martin, Thomas B., Berninger, Haines, May, Theobald, Taylor, and Neudeck.

Bernreuter, Herbert A., assignor to Simpson Electric Company, Chicago, Ill. Electric meter casing. 2,509,415, May 30.

Bernreuter, Herbert A., assignor to Simpson Electric Company, Chicago, Ill. Electric meter with molded case. 2,517,171, Aug. 1.

Bernstein, Allan C., Brooklyn, N. Y. School to home system. 2,529,069, Nov. 7.

Bernstein, Harry, Elizabeth, N. J. Detachable handle for pots and pans. 2,494,159, Jan. 10.

Bernstein, Jack: *See*—
Lott, William A., Bernstein, and Dolliver.

Bernstein, Jack J., New York, N. Y., assignor to General Instrument Corporation, Elizabeth, N. J. Ultra high frequency tuning unit. 2,508,138, May 16.

Bernstein, Samuel S., assignor to The Signal Manufacturing Company, Los Angeles, Calif. Positive latch controlled hinge for davenports or sofa beds. 2,501,464, Mar. 21.

Bernstein, Seymour, and K. J. Sax, Pearl River, assignors to American Cyanamid Company, New York, N. Y. Preparation of 7-dehydrocholesteryl esters. 2,498,390, Feb. 21.

Bernstein, Stanley, Schenectady, N. Y., assignor to General Electric Company. Amplification system for noncontacting thickness gauges. 2,518,115, Aug. 8.

Berquist, Carl G., Stamford, assignor to Electrolux Corporation, Old Greenwich, Conn. Self-acting closure. 2,528,332, Oct. 31.

Berra, Albert H., and A. A. Claus, Eveleth, Minn. Sled runner attachment for baby buggies. 2,521,330, Sept. 5.

Berritta, James, New Britain, Conn. Toolholder. 2,498,148, Feb. 21.

Berry, Carl D., Minneapolis, Minn. Volume controlled saxophone mouthpiece. 2,517,077, Aug. 1.

Berry, Clyde F., Manchester, N. H., assignor of one-third to H. H. Pelzer, New York, N. Y. Doorstop and holder. 2,496,691, Feb. 7.

Berry, Clyde F., Manchester, N. H. Engine valve mechanism-transmission actuated retarding and accelerating linkage. 2,531,904, Nov. 28.

Berry, David W., Ridgewood, N. J., assignor to Wright Aeronautical Corporation. Engine lubrication system. 2,518,655, Aug. 15.

Berry, Forrest W., Akron, Ohio. Bowling ball identification marker. 2,519,876, Aug. 22.

Berry, Frank, Corinth, Miss. Reversing fluid motor of rotary abutment type. 2,495,088, Jan. 17.

Berry, Howard L., Schenectady, N. Y. Signal device. 2,493,437, Jan. 3.

Berry, James D., Los Angeles, Calif. Washing device. 2,496,033, Jan. 31.

Berry, Jesse W.: *See*—
Nelson, Frank A., Berry, Robinson and Orendorff.

Berry, Kenneth L., Hockessin, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polytetrafluoroethylene waxes having a sharp melting point. 2,496,978, Feb. 7.

Berry, Kenneth L., Hockessin, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Water-repellent fibrous structures and obtaining same. 2,532,691, Dec. 5.

Berry, Robert U., East Orange, N. J., assignor to General Electric Company. Reversible regulating valve system. 2,495,228, Jan. 24.

Berry, Robert W., California, Mo. Fishing lure. 2,510,769, June 6.

Berry, Theodore M., Schenectady, N. Y., assignor to General Electric Company. Photoelectric motion transmitting device. 2,503,023, Apr. 4.

Berry, Theodore M., Schenectady, and H. L. Clark, Ballston Lake, N. Y., assignors to General Electric Company. Curve follower. 2,499,178, Feb. 28.

Berry, Theodore M., and R. W. Samsel, Schenectady, N. Y., assignors to General Electric Company. Supersonic testing apparatus. 2,527,208, Oct. 24.

Berry, Virgil S., Moss Point, Miss. Flasher type electric flare. 2,528,490, Nov. 7.

Berry, William L., Athens, Ga. Ball catcher and thrower. 2,505,090, Apr. 25.

Berry, William L., Los Angeles, Calif. Spring-type postal scale. 2,523,492, Sept. 26.

Berryhill, Allen M., assignee: *See*—
Plaxco, William L.

Berssenbrugge, Willem L., The Hague, Netherlands. Optical indicator. 2,528,681, Nov. 7.

Berssenbrugge, Willem L., The Hague, Netherlands, assignor to E. Leitz, Inc., New York, N. Y. Apparatus for combining two cameras. 2,529,905, Nov. 14.

Bersworth, Frederick C., Verona, N. J. Forming anhydrous solid phase alkali metal salts of glycolonitrile. 2,500,018, Mar. 7.

Bersworth, Frederick C., Verona, N. J. Producing polycarboxylic amino acids. 2,500,019, Mar. 7.

Bersworth, Frederick C., Verona, N. J. Quaternary ammonium salts of pyridine compounds. 2,520,902, Sept. 5.

Bersworth, Frederick C., Verona, N. J. Water-soluble salt of 2-4 dichlorophenoxy acetic acid and producing same. 2,522,488, Sept. 19.

Bersworth, Frederick C., Verona, N. J. Washing composition. 2,524,218, Oct. 3.

Bersworth, Frederick C., Verona, N. J. Germicidally active deionizing agents for alkaline pH solutions. 2,524,219, Oct. 3.

Bersworth, Frederick C., Verona, N. J. Alkylene polyamine derivatives. 2,530,147, Nov. 14.

Bersworth, Frederick C., Verona, N. J. Alkylene polyamine derivatives. 2,532,391, Dec. 5.

Bersworth, Frederick C., Verona, N. J. Addition products of sulfuric acid and polycarboxylic tertiary amino acids. 2,532,392, Dec. 5.

Bertalan, Edward, Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Assembling apparatus. 2,515,486, July 18.

Bertalan, Edward, Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Article assembling apparatus. 2,515,487, July 18.

Bertalan, Edward, Glen Arm, and E. U. Rice, Towson, Md., assignors to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for treating and testing cores used in coaxial cable units. 2,494,029, Jan. 10.

Bertea, Alex, Pasadena, Calif., deceased; H. D. McKay, executor of said A. Bertea. Valve. 2,496,849, Feb. 7.

Bertein, François, and H. Bruck, Paris, France, assignors to Compagnie Generale de Telegraphie Sans Fil. Independent electrostatic lens. 2,507,331, May 9.

Bertello, Enrico, B. S. Dalmazzo, Italy. Selective delivery filing cabinet. 2,504,629, Apr. 18.

Bertelsmeyer, Friedrich H., Stamford, Conn. Shuffleboard scoreboard. 2,529,535, Nov. 14.

Berthel, Gust A., Chicago, assignor to Jefferson Electric Company, Bellwood, Ill. Thermal time lag fuse. 2,532,081, Nov. 28.

Berthelsen, Walter, assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Container filling machine and method. 2,509,756, May 30.

Berthiez, Charles W., Paris, France. Mechanical transmission system. 2,507,555, May 16.

Berthiez, Charles W., Paris, France. Device for indicating feeding movement of a tool in a machine tool or the like. 2,512,296, June 20.

Berthiez, Charles W., Paris, France. Portable control set for machine tools and hoisting or lifting apparatus. 2,516,043, July 18.

Berthiez, Charles W., Paris, France. Machine for surfacing very broad members. 2,516,294, July 25.

Bertholin, Paul, New York, N. Y. Vibrating apparatus for treating human bodies. 2,498,977, Feb. 28.

Bertonneau, Daniel F., Los Angeles, Calif. Electrohydraulic brake energizer. 2,496,431, Feb. 7.

Bertozzi, Eugene R., assignor to Thiokol Corporation, Trenton, N. J. Making glycols. 2,527,378, Oct. 24.

Bertrand, Frederic E., East Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Channeling and lip setting machine. 2,510,208, June 6.

Bertrand, Frederic E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Apparatus and method for use in making ribbed strips for insoles. 2,529,793, Nov. 14.

Bertrand, Frederic E., Lynn, and A. S. Clark, Beverly, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Machine and method for use in making ribbed strips for insoles. 2,528,718, Nov. 7.

Bertrand, Joseph V., Brooklyn, assignor to Hydropress, Incorporated, New York, N. Y. Dielectric heating for injection molding machines and the like. 2,505,602, Apr. 25.

Bertrand, Raymond, Brussels, assignor to Compagnie Internationale des Pieux Armes Frankignoul, Societe Anonyme, Liege, Belgium. Method and apparatus for manufacturing concrete parts. 2,496,850, Feb. 7.
Bertsche, Ralph, Jr., assignor to General Motors Corporation, Detroit, Mich. Generator charge indicator. 2,507,953, May 16.
Bertschi, Jacob, Chicago, Ill., assignor to Carter Motor Company. Motor-generator construction. 2,520,828 Aug. 29.
Berwick, John D., Alton, assignor to Olin Industries, Inc., East Alton, Ill. Copper base alloy. 2,494,736, Jan. 17.
Beryllium Corporation, The, assignee: *See*—
Kawecki, Henry C., and Simons.
Besag, Arnold, East Malvern, Victoria, Australia. Vacuum cup mounting for fruit pitting machines. 2,518,274, Aug. 8.
Besag, Ernst, and W. E. Hill, Streetly, and T. D. G. Wintle, assignors to J. A. Crabtree & Co. Limited, Walsall, England. Thermal overload release device for automatic circuit breakers. 2.523,897, Sept. 26.
Besag, Ernst, and W. E. Hill, Streetly, and T. D. G. Wintle, assignors to J. A. Crabtree & Co. Limited, Walsall, England. Automatic circuit breaker having thermal overload release units. 2,527,907, Oct. 31.
Besmer, Walter H., Memphis, Tenn. Fishing float. 2,519,427, Aug. 22.
Bessierè, Pierre E., assignor to Society Silto S. A., Paris, France. Silencer with flat semicylindrical expansion chamber. 2,501,306, Mar. 21.
Bessière, Pierre E., Paris, assignor to Societe Electro-Mecanique de l'Aveyron, S. A., Rodez, France. Electric apparatus cooling system. 2,503,704, Apr. 11.
Bessière, Pierre E., Paris, and L. E. Ponsy, Clichy, assignors to Electro-mecanique de l'Aveyron, S. A., Rodez, France. Electric braking devices, in particular for vehicles. 2,526,842, Oct. 24.
Bessinger, Frank F., Detroit, Mich. Fish lure. 2,506,263, May 2.
Besson, Raoul, Paris, France. Coupling device for amplifier tubes. 2,527,696, Oct. 31.
Bessot, Leonce E., Paris, and P. Garet, Choisy-Le-Roi, assignors to Societe des Usines Chimiques Rhone-Poulenc, Paris, France. Production of N³-p-chlorophenyl-N⁵-isopropyl biguanide. 2,529,992, Nov. 14.
Best, Carl L., Cleveland, Ohio. Portable self-feed drill. 2,531,604, Nov. 28.
Best, Charles L., Watertown, assignor of one-half to P. Ebling, Minneapolis, Minn. Loading and gathering apparatus for tractors. 2,494,684, Jan. 17.
Best, Edna E., New York, and H. Samojedny, Brooklyn, N. Y. Diaper. 2,508,811, May 23.
Best Foods, Inc., The, assignee: *See*—
Gooding, Chester M., Vahlteich and Neal.
Vahlteich, Hans W., Neal and Gooding.
Best, Fred H., Mountainside, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge device, including a tunable cavity resonator. 2,513,277, July 4.
Best, Fredric L., assignor to Best Products Limited, Felixstowe, England. Thermally operated electric switch. 2,524,954, Oct. 10.
Best, Lester D., Grand Rapids, Mich. Stacking box handle. 2,494,503, Jan. 10.
Best Products Limited, assignee: *See*—
Best, Fredric L.
Best, Robert H.: *See*—
Roman, Walter G., and Best.
Best, Vergil H., Pasadena, Calif. Trailer brake control. 2,524,026, Oct. 3.
Beste, Harold E., East Rutherford, assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Television receiver synchronizing. 2,511,146, June 13.
Bestehorn, Heinrich H., Easton, Pa., and J. F. Morgan, Phillipsburg, N. J., assignors to General Aniline & Film Corporation, New York, N. Y. Metalized ortho-hydroxy, ortho amino monoazo dyestuffs. 2,529,444, Nov. 7.
Bete Fog Nozzle, Inc., assignee: *See*—
Bete, John U.
Bete, John U., Stoughton, assignor, by mesne assignments, to Bete Fog Nozzle, Inc., Greenfield, Mass. Spiral film spray nozzle. 2,518,116, Aug. 8.
Betge, Norman H., Philadelphia, Pa. Component feeding device for automatic machines. 2,525,765, Oct. 17.
Bethe, Hans A., Santa Fe, N. Mex., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Directional coupler. 2,519,734, Aug. 22.
Bethke, Leo: *See*—
Riordan, Howard C., and Bethke.
Bethlehem Steel Company, assignee: *See*—
Chamberlin, Alan C., and Weigle.
Dougherty, Robert S. A., and Eberhardt.
Gould, Leo J.
Greenwell, Nevil.
Hess, Lawrence J.
Jones, Jonathan.
O'Brien, James E.
Penman, Walter R.
Reed, John C.
Wohlfarth, John C.
Bethlehem Supply Company, assignee: *See*—
Anderson, Carl M.
Davidson, Harvey E.
Betner, Benj. C., Company, assignee: *See*—
Stevens, Henry W., and Hecker.
Betner, Benjamin C., Company, assignee: *See*—
Higginbottom, William E.
Betron, Frank E., and L. H. Hubbard, Sanford, Mich. Solder-smoothing paddle. 2,524,371, Oct. 3.
Betten, Philip, and M. Lehrhaupt, Brooklyn, N. Y. Meat holding device. 2,533,308, Dec. 12.
Bettencourt, Alfred S., East Orange, N. J. Portable charcoal broiler. 2,510,856, June 6.
Better, Bernard, and J. W. Lehde, Jr., assignors to Scully-Jones & Company, Chicago, Ill. Floating holder. 2,533,758, Dec. 12.
Better Packages Incorporated, assignee: *See*—
Hillmer, Herman H.
Krueger, Theodore H.
Krueger, Theodore H., and Sharpe.
Better Seats Co., assignee: *See*—
Brousseau, René.
Bettini, Lorenzo, Rome, Italy. Automatic apparatus for drying noodles and similar dough products by means of a cycle comprising progressive recovery and rest phases. 2,531,870, Nov. 28.
Bettle, Philip R.: *See*—
Handoll, Percy G., and Bettle.
Betts, Gilbert A.: *See*—
De Boer, Willis, Betts, and Polidor.
Betts, Joseph L., Mobile, Ala. Recovering heat and suspended chemical particles from gases resulting from the combustion of a pulp residual liquor and apparatus therefor. 2,524,753, Oct. 10.
Betz, Carl, New Brunswick, N. J., assignor to The Cleveland Container Company. Applicator. 2,516,846, Aug. 1.
Betz Corporation, assignee: *See*—
Lange, Henry J.
Betz, Paul L., assignor to Consolidated Gas, Electric Light and Power Company of Baltimore, Baltimore, Md. Thermoelectric device. 2,505,730, Apr. 25.
Betz, Paul L., assignor to Consolidated Gas Electric Light and Power Company of Baltimore, Baltimore, Md. Material feeding device. 2,529,445, Nov. 7.
Betz, W. H. and L. D., assignee: *See*—
Nieland, William L., Maguire, George, and Kahler.
Beugler, Samuel B., Los Angeles, Calif. Nozzle for striping machine. 2,528,573, Nov. 7.
Beukema, Willem: *See*—
Van Loon, Carel J., and Beukema.
Beumer, Howard G., St. Louis County, Mo. Pen point. 2,511,561, June 13.
Beurtheret, Charles A. E., Asnieres, France, assignor to General Electric Company. Telemetry system. 2,494,327, Jan. 10.
Beusman, Robert M., Oak Park, Ill. Inductance capacity tuner and circuit therefor. 2,521,963, Sept. 12.
Bevan, James I., East McKeesport, Pa. Fluid compressor cooling system. 2,504,245, Apr. 18.
Bevan, James I., East McKeesport, Pa. Fluid compressor cooling system. 2,504,246, Apr. 18.
Bevard, Lawrence H., St. Louis, Mo. Electrode holder. 2,519,877, Aug. 22.
Beverage Process Corporation, assignee: *See*—
Zarow, Albert I.
Beverage Sales Co., assignee: *See*—
Gerber, Albert J.
Beveridge, Clifford: *See*—
Hibbert, John W., Robertson, and Beveridge.
Beveridge, Harold N., Washington, D. C., assignor to Honorary Advisory Council for Scientific and Industrial Research, Ottawa, Ontario, Canada. Wide dynamic range detector circuit. 2,528,206, Oct. 31.
Beverly, Nelson E.: *See*—
Robinson, Preston, Allison, and Beverly.
Beverly, Nelson E., Williamstown, assignor to Sprague Electric Company. North Adams, Mass. Artificial transmission line. 2,526,321, Oct. 17.
Bevington, Julius J., Jr., and E. Boros, assignors to The B & R Manufacturing Company, Toledo, Ohio. Suction cleaner. 2,534,808, Dec. 19.
Bevins, James E., Ramsey, assignor to Bendix Aviation Corporation, Teterboro, N. J. Altitude switch. 2,522,596, Sept. 19.
Bevins, James E., Ramsey Estates, assignor to Bendix Aviation Corporation, Teterboro, N. J. Pump. 2,505,271, Apr. 25.
Bevins, James E., Ramsey, and H. A. Williams, Allendale, assignors to Bendix Aviation Corporation, Teterboro, N. J. Constant speed and frequency drive. 2,500,655, Mar. 14.
Bevins, James E., Ramsey, and C. P. Leigh, Westwood, assignors to Bendix Aviation Corporation, Teterboro, N. J. High-speed drilling machine. 2,515,851, July 18.
Bevins, Maurice E., Schenectady, N. Y., assignor to General Electric Company. Electronic control circuits. 2,518,118, Aug. 8.
Bevis, William A., and A. V. Waters, Acton, London, assignors to C. A. V. Limited, London, England. Electromagnet with two armatures. 2,505,849, May 2.
Beward, Chalmer L., assignor to The General Tire & Rubber Company, Akron, Ohio. Vehicle tire and tread therefor. 2,501,493, Mar. 21.

Bewley, Thomas, and J. A. Keeble, Epsom, England, assignors to The Distillers Company, Limited, Edinburgh, Scotland. Production of butyraldehyde. 2,501,708, Mar. 28.

Beyer, Frederick W., Detroit, Mich., assignor to National Stamping Company. Door check. 2,523,088, Sept. 19.

Beyers, John, Perth Amboy, N. J. Closure device having self-locking pivoted cap. 2,495,884, Jan. 31.

Beyers, John, Perth Amboy, N. J. Fountain type screen painter. 2,520,271, Aug. 29.

Beyersdorfer, William M., Glendale, Calif. Concrete tile machine. 2,519,994, Aug. 22.

Beyette, Gordon D., West Haven, Conn. Selective valve. 2,500,239, Mar. 14.

Beyland, Robert W., Little Silver, N. J. Filter. 2,514,366, July 11.

Beymer, Oliver H., and W. H. Nesbit, Pittsfield, Mass., assignors to General Electric Company. Door latch and interlock. 2,521,498, Sept. 5.

Beynon, Donald K.: *See*—
Beynon, John K., D. K., and R. L.

Beynon, John K., D. K., and R. L., Chicago, Ill. Door operated oven rack structure. 2,525,201, Oct. 10.

Beynon, Nathan T., Cleveland, assignor to New Wrinkle, Inc., Dayton, Ohio. Flexible material with wrinkle textured coating. Re. 23,212, Mar. 28.

Beynon, Nathan T., Cleveland, Ohio., assignor to New Wrinkle, Inc., Wilmington, Del. Wrinkle flexible material with rubber latex coating and producing same. 2,508,092, May 16.

Beynon, Ross L.: *See*—
Beynon, John K., D. K., and R. L.

Bezy, Georges, Paris, France, assignor to Compagnie Generale de Telegraphie Sans Fil. Electron discharge tube. 2,506,659, May 9.

Bianchi, Attilio, Oglesby, Ill. Wallpaper cutter. 2,515,979, July 18.

Bianchi, Pasquale P., Barrington, R. I. Screen structure. 2,532,886, Dec. 5.

Bianculli, Joseph A.: *See*—
Van Meter, Clarence T., and Bianculli.

Bias, Frank J., Scotia, and H. W. Lord, Schenectady, N. Y., assignors to General Electric Company. Electronic time delay circuit. 2,506,335, May 2.

Biasca, Frank E.: *See*—
Johnson, Arnold L., Carlson, and Biasca.

Biasell, La Verne R., Detroit, Mich. Accessory for converting a vehicle seat into a play pen or child's bed. 2,532,007, Nov. 28.

Biasi, Angelo, Hazleton, Pa. Electrical manicure file for nails. 2,504,795, Apr. 18.

Biba, Edward, Jr., Cicero, assignor to Wittek Manufacturing Co., Chicago, Ill. Clamp tightener. 2,503,189, Apr. 4.

Bibby, J., & Sons Limited: *See*—
Bibby, James E.

Bibby, James E., Birkenhead, assignor to J. Bibby & Sons Limited, Liverpool, England. Rotary drum evaporator with concentric evaporating chambers. 2,493,220, Jan. 3.

Bibus, Hans, Kusnacht-Zurich, Switzerland. Valve flap for mouth organs. 2,504,296, Apr. 18.

Bickel, Clifford A., assignor to The Monarch Machine Tool Co., Sidney, Ohio. Apparatus for operating lathes. 2,512,008, June 20.

Bickel, Clifford A., S. A. Brandenburg, and T. Foster, assignors to The Monarch Machine Tool Company, Sidney, Ohio. Power unit for machine tools. 2,495,312, Jan. 24.

Bickel, Joseph W., Sandusky, Ohio. Cardcase for meter readers. 2,532,053, Nov. 28.

Bickers, Ed T., Sparta, Ky. Air mail discharging safety device. 2,510,276, June 6.

Bickerton, Jack M., East Hempstead, and G. P. Malvese, Mineola, assignors to Innis, Speiden & Co., Niagara Falls, N. Y. Apparatus for injecting liquids under the soil. 2,509,627, May 30.

Bickford Research Laboratories, Inc., assignee: *See*—
Rich, John D.

Bickler, Henry L., Canton, Ohio. Ventilating back rest for automobile seats. 2,528,412, Oct. 31.

Bickley, Everett H., Bala-Cynwyd, Pa. Snow shovel. 2,521,441, Sept. 5.

Bickley, Everett H., Bala-Cynwyd, Pa. Pulp evaporator. 2,535,777, Dec. 26.

Bickley, Herbert D.: *See*—
Cook, Arthur, and Bickley.

Biddle, James G., Co., assignee: *See*—
Murray, Royce L.

Biddle, Ralph L., Indianapolis, Ind. Roller skate. 2,535,887, Dec. 26.

Biddle, William H., Vancouver, British Columbia, Canada. Film applicator. 2,526,991, Oct. 24.

Biddle, William P., and C. C. Bond, assignors to Sandebond Patents, Inc., Knoxville, Tenn. Stove feed plate. 2,528,333, Oct. 31.

Bide, Austin E.: *See*—
Jones, Ewart R. H., Bide, and Nicholls.

Bidwell, Edgar W., assignee: *See*—
Floro, Robert W.

Bidwell, Joseph B., Philadelphia, Pa., and A. F. Underwood, Grosse Point, assignors to General Motors Corporation, Detroit, Mich. Deaerator. 2,494,427, Jan. 10.

Biebel, Herman M., assignor to McGraw Electric Company, Elgin, Ill. Water heater. 2,510,456, June 6.

Bieber, Clarence G., and M. P. Buck, Huntington, W. Va., assignors to The International Nickel Company, Inc., New York, N. Y. Age hardenable nickel alloys. 2,515,184, July 18.

Bieber, Clarence G., and M. P. Buck, Huntington, W. Va., assignors to The International Nickel Company, Inc., New York, N. Y. Age hardenable nickel alloy. 2,515,185, July 18.

Bieber, Clarence G., and M. P. Buck, Huntington, W. Va., assignors to The International Nickel Company, Inc., New York, N. Y. Age hardenable nickel alloys. 2,515,186, July 18.

Biederman, Joseph B., Cincinnati, Ohio. Catamenial device and surgical pad. 2,508,214, May 16.

Biedermann, Robert, assignor to J. R. Geigy A.-G. Basel, Switzerland. Alkoxyphenylalkyl-alkyl amines. 2,495,404, Jan. 24.

Biegal, Frank A., Buffalo, N. Y., assignor to C. S. Doane, Sr. Device for feeding preheated air to combustion chambers. 2,520,994, Sept. 5.

Biehler, Louis A., Stanhope, assignor to Sintering Machinery Corporation, Netcong, N. J. Integrating mechanism. 2,533,710, Dec. 12.

Biek, William G., Dowagiac, Mich. Hand truck. 2,510,676, June 6.

Bieker, Lawrence W., Munster, Ind., and F. D. Prager, Chicago, Ill., assignors to Graver Tank & Mfg. Co. Sludge blanket clarifier with outward and upward recirculation of sludge. 2,527,788, Oct. 31.

Biel, Lewis J., Newton Highlands, Mass. Comb. 2,494,685, Jan. 17.

Bielenberg, Raymond G., Berwyn, Ill., assignors, by mesne assignments, to The Hoover Company, North Canton, Ohio. Fluid actuated electric circuit control for suction cleaners. 2,534,400, Dec. 19.

Bieling, Carl A., Westfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical winding. 2,528,414, Oct. 31.

Bielski, Alex J.: *See*—
Gutterman, Robert P., and Bielski.

Bielski, Alexander J., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control apparatus. 2,509,471, May 30.

Bienek, Leo F., Oklahoma City, Okla. Lock keeper cover. 2,520,195, Aug. 29.

Bienert, Frank, New York, N. Y. Frankfurter roll pan. 2,503,318, Apr. 11.

Bienert, Frank, Bronx, N. Y. Oar. 2,530,754, Nov. 21.

Bienfait, Henri, W. P. van den Blink, and S. D. Boon, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Coated self-starting welding rod for touch arc welding. 2,504,630, Apr. 18.

Bienfait, Henri, W. P. van den Blink, J. A. A. Gilsing, and M. J. Jansen, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustees. Touch welding apparatus. 2,511,426, June 13.

Bierce, Burton B., Pewaukee, assignor of one-half to E. A. Andrus, Milwaukee, Wis. Electrical outlet safety accessory. 2,524,250, Oct. 3.

Bierce, Burton B., Pewaukee, assignor of one-half to E. A. Andrus, Milwaukee, Wis. Electrical outlet. 2,532,219, Nov. 28.

Bierce, Ernest C., Pasadena, Calif. Making activated magnesium silicates. 2,498,353, Feb. 21.

Bierer, John M., Waban, assignor to Boston Woven Hose and Rubber Company, Cambridge, Mass. Vulcanizing method and apparatus. 2,529,830, Nov. 14.

Bierhorst, Frederick E., New Orleans, La. Camera with darkroom loaded roll film. 2,506,484, May 2.

Bierig, Carl W., assignor to A. S. Morningstar, Joplin, Mo. Automatic clock calendar. 2,495,222, Jan. 24.

Bierlich, Knud G., West Palm Beach, Fla., and E. O. Whiteley, New York, N. Y. Preparing fertilizer concentrate. 2,498,480, Feb. 21.

Bierly, Nevin R.: *See*—
Heberlein, Max F. W., and Bierly.

Bierman, Daniel H., Malverne, N. Y. Vented closure. 2,521,773, Sept. 12.

Bierman, Howard R., San Francisco, Calif. Hypodermic pressure manometer. 2,535,998, Dec. 26.

Bierman, Hubert J., Chatham, N. J., assignor to Ingersoll-Rand Company, New York, N. Y. Apparatus for treating food material. 2,525,581, Oct. 10.

Biermann, Arnold E.: *See*—
Moore, Charles S., Voss, and Biermann.

Biermann, Arnold E., Rocky River, Ohio. Rotary abutment compressor. 2,500,143, Mar. 7.

Biermann, Edward W.: *See*—
Miller, William, and Biermann.

Biermann, William A.: *See*—
Pawelsky, Vernon R., McCarty, Biermann, and Dulak.

Biermann, William A., assignor to Automatic Products Company, Milwaukee, Wis. Draft regulator for high-low liquid fuel burners. 2,514,306, July 4.

Biermann, William A., and L. V. McCarty, assignors to Automatic Products Company, Milwaukee, Wis. Thermostatic switch. 2,505,938, May 2.

Biermann, William A., and E. R. Rack, assignors to Automatic Products Company, Milwaukee, Wis. Thermostatic switch. 2,526,992, Oct. 24.

Biersmith, Helen K., executor: *See*—
Heinrich, William J.
Bierwirth, Rudolph A.: *See*—
Hoyler, Cyril N., and Bierwirth.
Bierwirth, Rudolph A., Mount Prospect, Ill., assignor to Radio Corporation of America. Simultaneously induction heating a plurality of elements. 2,525,336, Oct. 10.
Bierwirth, Rudolph A., Princeton, N. J., assignor to Radio Corporation of America. Method of and apparatus for subjecting fluid matter to a high-frequency electric field. 2,508,365, May 23.
Bierwirth, Rudolph A., Princeton, N. J., assignor to Radio Corporation of America. Concentrating pharmaceutical and other liquids. 2,512,604, June 27.
Biery, Arthur, Pine Island, Minn. Mousetrap. 2,529,589, Nov. 14.
Biery, Arthur, assignor of one-half to L. W. Thomforde, Pine Island, Minn. Belt buckle. 2,529,906, Nov. 14.
Biery, Robert K., New Orleans, La. Attachment for air brake systems. 2,497,576, Feb. 14.
Biesen, Arthur W., Whiting, assignor to W. B. Conkey Company, Hammond, Ind. Tape threading machine. 2,532,535, Dec. 5.
Bigard, André J. E. L., Paris, France. Covering system. 2,497,287, Feb. 14.
Bigelow, Charles A., Houston, Tex. Continuous lighting system for aircraft landing strips. 2,532,988, Dec. 5.
Bigelow-Sanford Carpet Co., Inc., assignee: *See*—
Dildilian, Ara T.
Dow, James N.
Dow, James N., and Dildilan.
Jackson, Robert J.
Reinhardt, Henry A., and Harrison.
Reinhardt, Henry A., and Johnson.
Swanson, Stuart E.
Bigg, Edward: *See*—
Jennings, Burgess H., Bigg, and Olson.
Biggerstaff, Geoffrey, Huron, S. Dak. Floor drain and cover therefor. 2,497,577, Feb. 14.
Biggle, Laurence C., Altadena, assignor to General Controls Co., Glendale, Calif. Thermopile structure. 2,526,112, Oct. 17.
Biggs, Henry L., Phoenix, Ariz., assignor of one-half to G. B. Olson, Council Bluffs, Iowa. Rug needle. 2,530,851, Nov. 21.
Biginelli, Alexandro G. B.: *See*—
Biginelli, Oreste F. A., P. A. M., and A. G. B. A.
Biginelli, Oreste F. A., P. A. M., and A. G. B. A., Clermont-Ferrand, France. Punching and drawing press. 2,531,663, Nov. 28.
Biginelli, Pietro A. M.: *See*—
Biginelli, Oreste F. A., P. A. M., and A. G. B. A.
Bigwood, Joshua, & Son, Limited, assignee: *See*—
Picton, John B., and Tinley.
Tinley, Ernest L.
Bihary, William A., Miami, Fla. Striping tool. 2,494,160, Jan. 10.
Bihary, William A., Miami, Fla. Apparatus for preparing masking aprons. 2,522,773, Sept. 19.
Bihler, Roger: *See*—
Epstein, Seymour, and Bihler.
Bihlman, Victor W., assignor to Wheeling Steel Corporation, Wheeling, W. Va. Making rubber-coated cold reduced steel products. 2,510,857, June 6.
Bikoff, Jonas, Brooklyn, N. Y. Jewelry chain with integral pins. 2,505,169, Apr. 25.
Bilbao, John D., assignee: *See*—
Turner, Frank G.
Bilde, Tord E. D., and C. O. Halldin, assignors to Aktiebolaget Elektrolux, Stockholm, Sweden. Dynamoelectric machine structure. 2,506,629, May 9.
Bildhauer, Robert J., Pittsburgh, Pa. Freight load brace. 2,514,466, July 11.
Bileci, Joseph E.: *See*—
Asaro, Anthony L., and Bileci.
Bilger, Anson S., assignee: *See*—
Combs, Presley S.
Bilger, Henry W.: *See*—
Kroll, Alfred J., and Bilger.
Bilhuber, E., Inc., assignee: *See*—
Harvill, Edward K., and Herbst.
Bilhuber, Paul H., Douglas Manor, assignor to Steinway & Sons, New York, N. Y. Diaphragm unit and fabricating same. 2,529,862, Nov. 14.
Bilisoly, Julius P., Baton Rouge, La., assignor to Standard Oil Development Company. Hydrocarbon synthesis process. 2,496,265, Feb. 7.
Bilisoly, Julius P., Baton Rouge, La., assignor to Standard Oil Development Company. Catalytic conversion. 2,509,204, May 30.
Bill, Robert O., San Leandro, Calif. Control means for multiple hydraulic jacks. 2,499,563, Mar. 7.
Billan, Jean F.: *See*—
Scriabine, Igor, Billan, Bellone, and Gaillard.
Billeb, Clyde K., Shorewood, assignor to Milprint, Inc., Milwaukee, Wis. Glued bag and producing the same. 2,509,125, May 23.
Billeter, Ernst, Zurich, Switzerland. Door closer. 2,522,252, Sept. 12.
Billeter, Henry R., Highland Park, Ill., assignor to Ammco Tools, Inc. Torque measuring wrench. 2,497,756, Feb. 14.
Billeter, Henry R., Highland Park, assignor to Ammco Tools, Inc., North Chicago, Ill. Cylinder ridge reamer. 2,520,829, Aug. 29.
Billeter, Henry R., Highland Park, assignor to Ammco Tools, Inc., North Chicago, Ill. Expansible mandrel. 2,528,334, Oct. 31.
Billeter, Jean-René: *See*—
Miescher, Karl, Heer, Billeter, and Anner.
Billeter, Walter, assignor to Aktiengesellschaft Brown Boveri & Cie, Baden, Switzerland. Circuit breaker with air damping. 2,509,472, May 30.
Billfaldt, Russell V., Houston, Tex. Roll, biscuit, and bun slicing machine. 2,509,799, May 30.
Billgren, Rune, Fagersta, Sweden. Blast preheater. 2,493,057, Jan. 3.
Billin, Arthur G.: *See*—
Gieringer, Carl K., and Billin.
Billings, Roy O., Milwaukee, Wis. Excavating bucket. 2,501,594, Mar. 21.
Billings and Spencer Company, The, assignee: *See*—
Robichaud, Edmund J.
Billings, William A., London, England, assignor to International Standard Electric Corporation. Manufacturing a metal to glass seal. 2,498,644, Feb. 28.
Billington, Charles R., Memphis, Tenn. Control for combined ailerons and flaps. 2,522,159, Sept. 12.
Billman, Charles H.: *See*—
Simison, Allen L., Billman, and Stream.
Billman, Charles H., Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation. Feeder for molten thermoplastic materials. 2,535,888, Dec. 26.
Billman, John H., Bloomington, Ind. Electrochemical preparation of α-amino-n-butyric acid and N-benzoyl derivative. 2,497,024, Feb. 7.
Billmeyer, Bruce R., assignor to Armstrong Cork Company, Lancaster, Pa. Production of sheet material from rubber. 2,535,034, Dec. 26.
Billner, Karl P., Philadelphia, Pa., assignor to Vacuum Concrete Inc. Apparatus and method for utilizing vacuum in molding plastic material, such as concrete. 2,524,419, Oct. 3.
Billon, Marcel M. M., Besancon, assignor to Tecalemit Societe Anonyme, Paris, France. Automatic brake control device. 2,517,078, Aug. 1.
Bills, Clarence H., Milford, assignor to Century Boat Company, Manistee, Mich., and Chattanooga, Tenn. Boat canopy. 2,505,520, Apr. 25.
Bilodeau, Joseph J., West Springfield, Mass. Magazine loader. 2,531,387, Nov. 28.
Bilsky, Alexander, Detroit, Mich. Nail clipper. 2,515,852, July 18.
Binder, Thomas W., Maplewood, N. J. Air conditioning apparatus for heating and cooling. 2,528,720, Nov. 7.
Binder, William O.: *See*—
Franks, Russell, and Binder.
Bindler, Jakob: *See*—
Schlapfer, Hans, and Bindler.
Bindner, Charles M., Normandy, assignor to Dixie Machinery Manufacturing Company, St. Louis, Mo. Chain breaker-plate feed structure for rotary crushers. 2,516,175, July 25.
Binelli, Modesta E.: *See*—
Binelli, Natalio E., and M. E. Binelli.
Binelli, Natalio E., and M. E. Binelli, Buenos Aires, Argentina. Lay figure. 2,519,995, Aug. 22.
Binford, Benjamin L., assignor to Magnetrol, Inc., Chicago, Ill. Magnetic control mechanism. 2,503,089, Apr. 4.
Bing, Herbert A., and B. J. Wolfe, assignors to Eastman Kodak Company, Rochester, N. Y. Bayonet lock. 2,496,928, Feb. 7.
Binggely, Elmer C., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,498,063, Feb. 21.
Bingham, David W., Brighton, Victoria, Australia. Elevator and conveyer for cylindrical articles. 2,493,942, Jan. 10.
Bingham, David W., Brighton, Victoria, Australia. Paste feed mechanism for can labeling and like machines. 2,510,492, June 6.
Bingham, David W., Brighton, Victoria, Australia. Apparatus for filling containers with liquid. 2,530,755, Nov. 21.
Bingley, Frank J., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Device for flexibly interconnecting wave guides. 2,511,896, June 20.
Bingley, Frank J., Philadelphia, and N. F. Smith, Jr., Abington, Pa., assignors to Philco Corporation, Philadelphia, Pa. Television echo suppression system. 2,498,391, Feb. 21.
Binkley, James L., Lima, Ohio. Corn planter. 2,528,996, Nov. 7.
Binkley, Wilfred W.: *See*—
Wolfrom, Melville L., and Binkley.
Binks Manufacturing Company, assignee: *See*—
Gustafsson, Eric, Baur, and Kern.
Plos, Otto G.
Binnall, Frederick C.: *See*—
Miller, Malcolm T., Binnall, and Krause.
Binnall, Frederick C., River Forest, and M. T. Miller, Oak Park, assignors to Sloan Valve Company, Chicago, Ill. Thermostatic mixing valve. 2,507,954, May 16.
Binnall, Frederick C., River Forest, and M. T. Miller, Oak Park, assignors to Sloan Valve Company, Chicago, Ill. Flow control valve. 2,515,073, July 11.

Binneweg, Abraham, Jr., Oakland, Calif. Metal radio tube. 2,515,945, July 18.

Binney, Eric A., Ilkley, assignor to The English Electric Company Limited, London, England. Motor suspension. 2,508,139, May 16.

Binney, Eric A., Yorkshire, assignor to The English Electric Company, Limited, London, England. Suspension of axle-hung electric traction motors. 2,501,307, Mar. 21.

Binns, Frederick W., Needham Heights, Mass., and H. B. Channon, Portsmouth, assignors to Virginia Smelting Company, West Norfolk, Va. Making chrome-tanning baths. 2,500,020, Mar. 7.

Binsack, Joseph W., New Dorp, assignor to Beech-Nut Packing Company, Canajoharie, N. Y. Detector for carton closing machines. 2,499,564, Mar. 7.

Binsack, William F., Irondequoit, N. Y. Drapery hanger. 2,514,118, July 4.

Bintz, Harold, Neola, Iowa. Locking and releasing attachment for tractor brake pedals. 2,535,718, Dec. 26.

Binus, David J., assignor to The Weber Dental Manufacturing Company, Canton, Ohio. Adjustable linkage for dental chairs and the like. 2,517,831, Aug. 8.

Binus, David J., Louisville, Ky., and J. A. Maurer, assignors to The Weber Dental Manufacturing Company, Canton, Ohio. Controller for dental engines and the like. 2,531,764, Nov. 28.

Biondi, Angelo F., Brooklyn, N. Y. Automobile door cover. 2,532,989, Dec. 5.

Birch, Alexander A., Clawson, Mich. Doughnut forming device. 2,521,627, Sept. 5.

Birch, Raymond E., assignor to Harbison-Walker Refractories Company, Pittsburgh, Pa. Casting molds. 2,508,006, May 16.

Birch, Stanley F., F. A. Fidler, and J. N. Haresnape, Sunbury-on-Thames, assignors to Anglo-Iranian Oil Company Limited, London, England. Production and recovery of para-xylene. 2,532,276, Dec. 5.

Birch, Stanley F., J. Habeshaw, and C. B. Collis, Sunbury-on-Thames, assignors to Anglo-Iranian Oil Company Limited, London, England. Preparation in a condition of purity of hydrocarbons from mixtures containing them. 2,493,567, Jan. 3.

Birch-Field, Charles A., New York, N. Y. Color control system for image projectors. 2,519,428, Aug. 22.

Birchler, Charles F., East Cleveland, Ohio, and W. L. Paulison, Jr., Ridgewood, N. J., assignors to Bailey Meter Company. Temperature control system. 2,526,843, Oct. 24.

Birchmeier, Fritz, assignor to M. Schneider, Zurich, G. Baur, Aargau, and E. Imfeld, Zurich, Switzerland. Flexible face hand planing machine. 2,520,875, Aug. 29.

Bird Machine Company, assignee: *See*—
Young, Frank W., and Fahlgren.

Bird Machine Co., assignee: *See*—
Lyons, Sanford C.

Bird, Paul G., Western Springs, assignor to National Aluminate Corporation, Chicago, Ill. Inhibiting scales. 2,505,457, Apr. 25.

Birdsall, Edwin H., San Diego, Calif., assignor to United States of America as represented by the Secretary of the Navy. Control mechanism. 2,517,079, Aug. 1.

Birdsall, Ida E., Manasquan, N. J. Abacus. 2,530,447, Nov. 21.

Birdseye, Clarence, assignor to Dehydration, Inc., Gloucester, Mass. Treatment of vegetable matter preparatory to dehydration. 2,509,719, May 30.

Birdseye, Clarence, assignor to Dehydration, Inc., Gloucester, Mass. Food dehydration. 2,521,442, Sept. 5.

Birdseye, Clarence, assignor to Dehydration, Inc., Gloucester, Mass. Dehydration of food products. 2,523,552, Sept. 26.

Biribauer, Frank A.: *See*—
Carlson, Carl S., Merrington and Biribauer.

Birk, Harold W., East Hartford, Conn. Blowtorch. 2,500,339, Mar. 14.

Birkenmaier, Theodore, assignor to W. N. Matthews Corporation, St. Louis, Mo. Electrical connector clamp. 2,506,010, May 2.

Birkenmaier, Theodore, assignor to W. N. Matthews Corporation, St. Louis, Mo. Expulsion fuse switch. 2,525,999, Oct. 17.

Birkenstein, Harry, Jr., Chicago, Ill. Drum venting device. 2,528,207, Oct. 31.

Birkes, Wilbur W., and E. F. Hembree, Dallas, Tex. Magnetic wire playing device. 2,518,117, Aug. 8.

Birks, La Verne S.: *See*—
Friedman, Herbert, and Birks.

Birkland, Stellan, San Francisco, Calif., assignor to American Can Company, New York, N. Y. Seaming head for containers. 2,502,413, Apr. 4.

Birkland, Stellan, San Francisco, Calif., assignor to American Can Company, New York, N. Y. Machine for straightening can body flanges. 2,534,220, Dec. 19.

Birmingham Small Arms Company Limited, assignee: *See*—
Wood, Albert E., and Lowe.

Birmingham Small Arms Company Limited, The, assignee: *See*—
Goldschmidt, Rudolf.
Needham, Victor E.

Birnbaum, Leo S.: *See*—
Prichard, John H., and Birnbaum.

Birnbaum, Leo S., Newark, J. H. Prichard, Springfield, and W. D. Paist, Orange, N. J., assignors to Celanese Corporation of America. Plasticized cellulose propionate. 2,498,750, Feb. 28.

Birnkrant, Betty W. and S. H., Brooklyn, N. Y. Detachable button set. 2,499,086, Feb. 28.

Birnkrant, Betty W. and S. H., Brooklyn N. Y. Lipstick holder. 2,512,476, June 20.

Birnkrant, Samuel H.: *See*—
Birnkrant, Betty W. and S. H.

Birnkrant, William B., assignee: *See*—
Cartwright, Leonard C.

Birtman Electric Co., assignee: *See*—
Howard, Frank S.
More, Philip J.
Schwarz, Joseph A.
Sparklin, Charles H.
Sparklin, Charles H., and Sporney.

Bisch, James L., U. S. Army, Port Royal, Va. Torpedo. 2,509,205, May 30.

Bisch, Paul E., J. P. Dobbins and G. G. Edlen, Los Angeles, Calif. Illuminated mirror device. 2,515,437, July 18.

Bischoff, Alfred F., Ballston Spa, N. Y., assignor to General Electric Company. Radio search tuning system. 2,525,442, Oct. 10.

Bischoff, Alfred F., Ballston Spa, N. Y., assignor to General Electric Company. Magnetically controlled reversible friction drive. 2,525,443, Oct. 10.

Bischoff, Alfred F., Ballston Spa, N. Y., assignor to General Electric Company. Storage battery. 2,527,209, Oct. 24.

Bischoff, George H.: *See*—
Bump, Charles K., and Bischoff.

Bisgen, Richard: *See*—
Weber, Charles, and Bisgen.

Bish, Raymond H.: *See*—
Daily, Robert A., Hindall, Mahoney, Miller, and Bish.

Bishoff, August C., Detroit, Mich. Fishing rod assembly. 2,504,631, Apr. 18.

Bishop, Alfred E.: *See*—
Cook, Stanley V., and Bishop.

Bishop, Arthur E. J., Chatswood, near Sydney, New South Wales, Australia. Apparatus for translating, actuating, and restraining forces to vehicle wheels. 2,508,057, May 16.

Bishop & Babcock Manufacturing Company, The, assignee: *See*—
Curtis, Walter A.
Mayo, Edward L.

Bishop, Clarence E.: *See*—
Mansfield, Samuel A., and Bishop.

Bishop, Charles W., Buffalo, N. Y. Expansible loose page binder. 2,506,290, May 2.

Bishop, Clyde W.: *See*—
Hess, James W.

Bishop, Eugene T., and R. D. Sullivan, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Polymerizing branch-chain hexadienes. 2,514,928, July 11.

Bishop, G. H., Company, assignee: *See*—
Freeman, David A.
Suhajda, Emil.

Bishop, H. Russell, administrator: *See*—
Patai, Imre.

Bishop, John E., Paterson, N. J., and F. W. Williams, Middletown, assignors to The Manhattan Shirt Company, New York, N. Y. Sewing machine. 2,522,811, Sept 19.

Bishop, John L. H.: *See*—
Godden, Thomas E., Bishop, and Holberton.

Bishop, John W., Cranford, assignor to Tide Water Associated Oil Company, Bayonne, N. J. Inhibiting corrosion of ferrous metal. 2,520,356, Aug. 29.

Bishop, John W., Plainfield, assignor to Tide Water Associated Oil Company, Bayonne, N. J. Rust-preventive compositions. 2,527,296, Oct. 24.

Bishop, Leon C.: *See*—
Brand, Samuel, Cunningham, and Bishop.

Bishop, Nathaniel, Fairfield, Conn., assignor to General Electric Company. Phase lag correction circuit for the sweep circuit of a radio echo system. 2,519,017, Aug. 15.

Bishop, Richard B.: *See*—
Chapman, Harold D., Denton, and Bishop.
Denton, William I., and Bishop.

Bishop, Richard B., Haddonfield, and W. I. Denton, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Process of removing protective coating films from surfaces. 2,508,215, May 16.

Bishop, Richard B., Haddonfield, and W. I. Denton, and E. M. Nygaard, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Nitration of paraffins. 2,511,454, June 13.

Bishop, Robert H., Champaign, Ill. Refrigerator construction. 2,495,405, Jan. 24.

Bishop, Stanley K.: *See*—
Trump, Frederick O., and Bishop.

Bishop, Walter, Augress, assignor to Fraser Products Company, Alpena, Mich. Machine for making fabric cylinders. 2,506,916, May 9.

Bishop, Walter, Augress, assignor to Fraser Products Company, Alpena, Mich. Making fabric cylinders. 2,516,612, July 25.

Bishop, Walter, Grosse Pointe Park, assignor to Fraser Products Company, Alpena, Mich. Binding strip joint. 2,506,915, May 9.

Bishop, William H., Birmingham, England. Molding for vehicle bodies. 2,531,967, Nov. 28.

Bishop, William T., and E. J. Lorand, Wilmington, Del., and J. E. Reese, St. Simons Island, Ga., assignors to Hercules Powder Company, Wilmington, Del. Flotation of minerals with hydroperoxide frothers. 2,535,344, Dec. 26.

Bishop, William T., and E. J. Lorand, Wilmington, Del., and J. E. Reese, St. Simons Island, Ga., assignors to Hercules Powder Company, Wilmington, Del. Flotation of minerals with hydroperoxide frothers. 2,535,345, Dec. 26.

Bisignano, Florence E., assignee: *See*—
Bisignano, Raffele.

Bisignano, Raffele, assignor of one-half to Florence E. Bisignano, Elmhurst, N. Y. Edge guide for sewing machines. 2,515,585, July 18.

Biskeborn, Merle C., Baltimore, Md., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Location of faults in electrical transmission systems. 2,493,800, Jan. 10.

Biskind, Morton S., New York, N. Y. Maximum indicating instrument. 2,520,028, Aug. 22.

Bissell, Carl H., assignor to Crouse-Hinds Company, Syracuse, N. Y. Outlet box fixture hanger. 2,525,582, Oct. 10.

Bissell, Frederick E., Jr., and E. E. Claussen, assignors to Carr, Adams & Collier Company, Dubuque, Iowa. Casement sash hinge. 2,497,288, Feb. 14.

Bissey, Roland L., Bloomington, Ill., assignor to Eureka William Corporation, Detroit, Mich. Garbage disposal apparatus. 2,534,944, Dec. 19.

Bissinger, William E., Akron, Ohio, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Peroxy dicarbonates. 2,517,964, Aug. 8.

Bissinger, William E., Akron, Ohio, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Purification of thionyl chloride. 2,529,671, Nov. 14.

Bisson, Leo J., Somersworth, N. H. Interlocking game board. 2,497,341, Feb. 14.

Bisson, Louis A., assignee: *See*—
Currier, Hiram D.

Biswell, Charles B., Woodstown, and G. A. Sayers, Penns Grove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Motor fuel. 2,512,297, June 20.

Biszantz, Fred, assignor to Hercules Steel Products Co., Galion, Ohio. Hoist mechanism for dump trucks. 2,497,844, Feb. 21.

Biszantz, Fred, assignor to The Galion Metallic Vault Company, Galion, Ohio. Garbage truck. 2,509,388, May 30.

Bithell, William P., East Boston, Mass. Building wall construction. 2,508,093, May 16.

Bitler, John W., assignor to The Minster Machine Company, Minster, Ohio. Control switch. 2,520,709, Aug. 29.

Bittner, Fredwill, Los Angeles, Calif. Applying a form member to a beam or the like. 2,535,346, Dec. 26.

Bituminous Coal Research, Inc., assignee: *See*—
Carlson, Henning M.
Yellott, John I.

Bitzer, Fred, assignor to Eaton Manufacturing Company, Cleveland, Ohio. Change-speed gearing. 2,500,447, Mar. 14.

Bivans, Elbert L., Los Angeles, Calif. Fishing reel. 2,498,626, Feb. 21.

Bixer, Edmond P., New York, N. Y. Curtain construction. 2,533,216, Dec. 12.

Bixby, Harry A., Brattleboro, Vt. Wallpaper pasting machine. 2,512,221, June 20.

Bixby, Willard F., Cleveland, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Coagulation of synthetic latex. 2,510,370, June 6.

Bixby, Willard F., Cleveland, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Production of dry powdery thermoplastic compositions. 2,530,852, Nov. 21.

Bixler, Carl E., Oldham County, assignor to Devoe & Raynolds Company, Inc., Louisville, Ky. Epoxide compositions. 2,512,996, June 27.

Bixler, Carl E., Prospect, assignor to Devoe & Raynolds Company, Inc., Louisville, Ky. Integral brush assembly. 2,512,997, June 27.

Bizak, Louis D., Cleveland, Ohio. Automatic control for mixing valves. 2,523,493, Sept. 26.

Bjering, Olav, Toledo, Ohio, assignor to Owens-Illinois Glass Company. Vacuum sealing machine. 2,510,457, June 6.

Bjerke, Allan E., Maple Heights, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Caster centering device. 2,508,351, May 23.

Bjerre, Peder, and H. M. Johnston, assignors to Massey-Harris Co. Ltd., Toronto, Ontario, Canada. Power lift clutch. 2,517,172, Aug. 1.

Bjork, Carold F., Luke, Md., and A. C. Kochis, Johnstown, Pa., assignors to the United States of America as represented by the Secretary of War. Rocket projectile. 2,519,878, Aug. 22.

Bjork, George L., Everett, Wash. Machine for trimming the edges of strips of wood of variable widths. 2,516,176, July 25.

Bjorklund, Arvid, Minneapolis, Minn. Leaf disintegrator. 2,528,942, Nov. 7.

Bjorklund, Carl S.: *See*—
Bjorklund, Edsel T., E. C., and C. S.

Bjorklund, Edgar C.: *See*—
Bjorklund, Edsel T., E. C., and C. S.

Bjorklund, Edsel T., E. C., and C. S., Milwaukee, Wis. Collapsible cage or live box. 2,530,148, Nov. 14.

Björklund, Gustaf E., Stockholm, Sweden. Hand piece for dental drills. 2,507,587, May 16.

Björklund, Gustaf E., Stockholm, Sweden. Producing grinding bodies. 2,510,493, June 6.

Bjorklund, Stanley A.: *See*—
Herrstrum, Rudolph E., and Bjorklund.

Björklund, Tore S., assignor to Lumalampan Aktiebolag, Stockholm, Sweden. Unitary magnetic core and condenser. 2,524,754, Oct. 10.

Björkman, Nils F.: *See*—
Olsson, Gunnar D., and Björkman.

Bjorksten, Johan, Chicago, Ill. Fluid evaporating device. 2,529,536, Nov. 14.

Blaber, Michael P. W., Wealdstone, England, assignor to Eastman Kodak Company, Rochester, N. Y. Automatic tracking control mechanism for conveyer belts. 2,511,194, June 13.

Black and Decker Manufacturing Company, The, assignee: *See*—
Wilhide, Glenn C.
Wilhide, Glenn C., Baker, and Holford.

Black, Charles F., Grass Lake, Ill. Trailer hitching device. 2,506,194, May 2.

Black, David: *See*—
Solomon, Joseph, and Black.

Black, Eric A., Red Bank, N. J., assignor to the United States of America as represented by the Secretary of War. Platform. 2,510,059, June 6.

Black, Fred A., deceased, Wichita Falls; Lucy Black, executrix, assignor of one-half to L. M. Black, Rockport, Tex. Legume huller having stationary knives. 2,500,483, Mar. 14.

Black, H. Ross, Jr., administrator: *See*—
Balch, Harry.

Black, Howard C., assignor to Swift & Company, Chicago, Ill. Stabilization of fatty materials. 2,494,114, Jan. 10.

Black, Howard C., assignor to Swift & Company, Chicago, Ill. Gum guaiac treatment. 2,529,446, Nov. 7.

Black, James B., Rockford, Ill., assignor to Twin Disc Clutch Company, Racine, Wis. Fluid impact coupling and clutch. 2,506,989, May 9.

Black, James B., and W. F. Shurts, Rockford, Ill., assignors to Twin Disc Clutch Company, Rachine, Wis. Power transmission. 2,511,039, June 13.

Black, James F.: *See*—
Heigl, John J., Black, and Dudenbostel.

Black, James F., Roselle, N. J., assignor to Standard Oil Development Company. Extracting hydrocarbons. 2,522,426, Sept. 12.

Black, James J., assignor to The Trailmobile Company, Cincinnati, Ohio. Coupling mechanism for tractor-trailer combination. 2,498,847, Feb. 28.

Black, James J., assignor to The Trailmobile Company, Cincinnati, Ohio. Prop for trailers. 2,499,625, Mar. 7.

Black, James J., assignor to The Trailmobile Company, Cincinnati, Ohio. Roof bow for highway vehicles. 2,500,021, Mar. 7.

Black, John F., assignor to Circo Products Company, Cleveland, Ohio. Oil drum tumbling device. 2,510,858, June 6.

Black, John F., assignor to Circo Products Company, Cleveland, Ohio. Degreasing apparatus with automatic controls. 2,527,349, Oct. 24.

Black, John F., Rocky River, and J. J. Skelly, Cleveland Heights, assignors to Circo Products Company, Cleveland, Ohio. Degreaser control apparatus. 2,510,859, June 6.

Black, John W., Crittenden County, Ark. Soil testing apparatus. 2,531,388, Nov. 28.

Black, Kenneth H., Port Clinton, Ohio. Gas torch lighter. 2,502,073, Mar. 28.

Black, Leo B., Phoenix, Ariz. Clamp. 2,526,322, Oct. 17.

Black, Lester C., Long Beach, Calif. Synchronized steering and throttle control apparatus for outboard motors. 2,514,467, July 11.

Black, Lewis G., Los Angeles, Calif. Orthopedic appliance. 2,522,853, Sept. 19.

Black, Lewis M.: *See*—
Black, Fred A., Lucy, and Lewis M.

Black, Lucy: *See*—
Black, Fred A., Lucy, and Lewis M.

Black, Nolan S., Highland Park, Mich., assignor to National Steel Corporation. Adjustable building pier. 2,510,328, June 6.

Black, Robert, Jr., South Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Microphone having controllable directional response pattern. 2,515,031, July 11.

Black, Russell L.: *See*—
Weeks, Robert W., and Black.

Black, Sivalls & Bryson, Inc., assignee: *See*—
Beggs, Joe W.
Hanssen, Albert J.
Raymond, Gwynne.
Simpson, Roy L., and Coffman.

Black, William A.: *See*—
Deimel, Richard F., and Black.

Black, William A., Montclair, N. J. Dispensing apparatus. 2,529,672, Nov. 14.

Black, William E., assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Method of and apparatus for shearing fins from ingots. 2,499,292, Feb. 28.

Blackburn and General Aircraft Limited, assignee: *See*—
Petty, George E.
Tharratt, Alexander.

Blackburn, John L., East Orange, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Transfer-tripping carrier-current relaying system. 2,525,393, Oct. 10.

Blackburn, Luther A., Lynwood, Calif. Crosshead. 2,522,742, Sept. 19.

Blackburn, Raoul, Chicoutimi, Quebec, Canada. Bell ringing device. 2,512,912, June 27.

Blackburn, Wayne E., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Selenium rectifier. 2,496,432, Feb. 7.

Blackburn, Wayne E., Hollywood, Calif., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Selenium rectifier. 2,496,692, Feb. 7.

Blackburn, Wayne E., Hollywood, Calif., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Selenium rectifier. 2,498,240, Feb. 21.

Blackburn, William H., Lincoln, England. Device for suspending clothes and like articles. 2,533,083, Dec. 5.

Blackett, Patrick M. S., Pitcullen, Pinner Hall, and H. J. Braddick, Farnborough, assignors to the Minister of Supply in His Majesty's Government of the United Kingdom of Great Britain and Northern Ireland, London, England. Bombsight. 2,529,324, Nov. 7.

Blackhall, James M., assignor to Leich Electric Company, Genoa, Ill. Automatic telephone system. 2,509,416, May 30.

Blackhall, James M., assignor to Leich Electric Company, Genoa, Ill. Device for clutching reciprocable actuating rod to driven members. 2,511,321, June 13.

Blackhall, James M., and F. J. Hickman, assignors to The North Electric Manufacturing Company, Galion, Ohio. Telephone ringing apparatus with vibratory reed of magnetic material. 2,524,510, Oct. 3.

Blackhawk Mfg. Co., assignee: *See*—
Mandl, Siegmund.
Mandl, Siegmund, and Pfauser.
Pfauser, Edward M.
Pfauser, Edward M., and Mandl.

Blackhurst, Homer J., Pittsburgh, Pa. Feeding apparatus for glass-forming machines. 2,507,753, May 16.

Blackley, James L., Battle Creek, Mich., assignor, by mesne assignments, to Goss Printing Press Company, Chicago, Ill. Delivery arrangement. 2,503,610, Apr. 11.

Blackman, Charles E.: *See*—
Wright, Harold, and Blackman.

Blackman, Daniel D., Brooklyn, N. Y. Window construction. 2,494,161, Jan. 10.

Blackman, Edward L., Greenwich, Conn. Manicure instrument. 2,516,542, July 25.

Blackman, Edward L., Greenwich, Conn. Automobile door construction. 2,535,347, Dec. 26.

Blackman, Norman S., Brooklyn, N. Y. Bed. 2,522,018, Sept. 12.

Blackman, Stanley, New York, N. Y. Pharmaceutical machine for delivering to receptacles predetermined quantities of pharmaceutical articles such as pills, tablets, and the like. 2,507,883, May 16.

Blackmarr, Byron F., Oildale, assignor to Hopper Machine Works, Inc., Bakersfield, Calif. Wheel mounting means. 2,524,027, Oct. 3.

Blackmon, Kenneth, Hinsdale, N. Y. Saw set. 2,493,850, Jan. 10.

Blackmore, Joseph J.: *See*—
Mayer, Albert C., and Blackmore.

Blackmore, Robert B., Casper, Wyo. Head gate and water drop attachment. 2,525,517, Oct. 10.

Blackmore, William, Cleveland Heights, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Railway journal and free oiling system therefor. 2,498,520, Feb. 21.

Blackmore, William, Richmond, Va., assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Thrust arrangement for railway journal boxes. 2,498,521, Feb. 21.

Blackmun, Lynn A.: *See*—
Wiseman, James, Blackmun, and Hellmers.

Blackmun, Lynn A.: *See*—
Wiseman, James V., Blackmun, and Hellmers.

Black Rock Manufacturing Company, The, assignee: *See*—
Maquat, Lloyd E.

Blackstone and Company Limited, assignee: *See*—
Hallewell, George.

Blackstone, Wilbert S.: *See*—
Ropp, Irwin, and Blackstone.

Blackwelder, Ernest F., H. V. Lea, and J. A. Fleig, Rio Vista, Calif. Row crop blocking implement. 2,510,458, June 6.

Blackwell, Daniel W., San Diego, Calif. Wheel for foot attachment. 2,520,793, Aug. 29.

Blackwell, Lawrence F., Wollaston, assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Tea cutting and feeding mechanism. 2,533,550, Dec. 12.

Blackwell, Sanford J., St. Louis, Mo. Bottle crate. 2,513,709, July 4.

Blackwell, Sanford J., St. Louis, Mo. Bottle crate. 2,526,113, Oct. 17.

Blackwell & Sunde, Inc., assignee: *See*—
Sunde, Benjamin W.

Blackwood, Peter F., assignor to Ford Motor Company of Canada, Limited, Windsor, Ontario, Canada. Nickel-cobalt heat-resisting alloy. 2,509,800, May 30.

Blackwood, Peter F., assignor to Ford Motor Company of Canada, Limited, Windsor, Ontario, Canada. Nickel-cobalt heat-resisting alloy. 2,509,801, May 30.

Blaes Brothers, Inc., assignee: *See*—
Blaes, Edward G.

Blaes, Edward G., St. Albans, assignor to Blaes Brothers, Inc., New York, N. Y. Roller skate wheel. 2,534,401, Dec. 19.

Blaha, Emil, Cheltenham, assignor to Selas Corporation of America, Philadelphia, Pa. Heating apparatus. 2,509,856, May 30.

Blaha, Emil, Cheltenham, assignor to Selas Corporation of America, Philadelphia, Pa. Casting slip. 2,527,390, Oct. 24.

Blaha, Emil, Cheltenham, assignor to Selas Corporation of America, Philadelphia, Pa. Tile furnace. 2,530,595, Nov. 21.

Blaha, Emil, Cheltenham, assignor to Selas Corporation of America, Philadelphia, Pa. Burner block. 2,532,990, Dec. 5.

Blain, Edouard, Rochefort-sur-Mer, France. Universal photosculpture in high relief and low relief. 2,502,697, Apr. 4.

Blain, Hugh M., Jr., New Orleans, La., assignor to The Gas Machinery Company, Cleveland, Ohio. Making a composite oil gas having approximately the characteristics of natural gas. 2,522,922, Sept. 19.

Blain, Marshall E., Memphis, Tenn. Radio compass demonstrator. 2,508,366, May 23.

Blain, Paul, assignor to Societe Anonyme des Acieries et Forges de Firminy, Paris, France. Electrically driving band rolling mill reels. 2,509,286, May 30.

Blain, Paul, assignor to Societe Anonyme des Acieries et Forges de Firminy, Paris, France. Rolling mill with set elongation. 2,519,818, Aug. 22.

Blain, Paul, assignor to Societe Anonyme des Acieries et Forges de Firminy, Paris, France. Adjusting device for rolling mills. 2,523,553, Sept. 26.

Blain, Paul, assignor to Societe Anonyme des Acieries et Forges de Firminy, Paris, France. Device for the continuous measuring of the thickness of a band in the rolling. 2,534,849, Dec. 19.

Blair, Carl E.: *See*—
Hutson, Canfield, Kidd, and Blair.

Blair, Charles M., Jr.: *See*—
Wirtel, Arthur F., and Blair.

Blair, Charles M., Jr., and W. F. Gross, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Preventing corrosion and corrosion inhibitors. Re. 23,227, May 9.

Blair, Fletcher, Atlanta, Ga. Collapsible box. 2,534,402, Dec. 19.

Blair, George W.: *See*—
Bodle, Virgil H., Blair, and Dosmann.

Blake, Ivan C., Bristol, Wis., and J. B. Mullen, Barrington, assignors, by mesne assignments, to Burgess Battery Company, Freeport, Ill. Primary cell. 2,534,403, Dec. 19.

Blair, James D., New Hartford, and G. A. Hendey, Rome, assignors to Divine Brothers Company, Utica, N. Y. Buff construction. 2,531,249, Nov. 21.

Blair, John A., Pleasant Ridge, Mich., assignor to C. M. O'Leary, Los Angeles, Calif. Automatic transmission control apparatus. 2,529,129, Nov. 7.

Blair, John I.: *See*—
Sawtelle, Edmund R., Blair and Imbt.

Blair, John M., Stillwater, Okla., and J. M. Hush, Lincoln, Nebr., assignors to The United States of America as represented by the United States Atomic Energy Commission. Coincidence proportional counter. 2,495,650, Jan. 24.

Blair, Joseph H., Jr.: *See*—
Vaill, George K., and Blair.

Blair, Joseph N., Detroit, Mich. Animal trap. 2,492,957, Jan. 3.

Blair, Mark L., Flossmoor, and A. J. Heltzmann, assignors to United Specialties Company, Chicago, Ill. Cleaner construction. 2,509,802, May 30.

Blair, Nathan P., Los Angeles, assignor to Mattel Creations, Inc., Culver City, Calif. Music producing unit. 2,504,632, Apr. 18.

Blair, Paul R., Cleveland Heights, Ohio. Commutator bar and making same. 2,519,626, Aug. 22.

Blair, Percy F. and P. F., Jr., Tulsa, Okla. Prefrabricated grandstand structure. 2,524,769, Oct. 10.

Blair, Percy F., Jr.: *See*—
Blair, Percy F., and P. F., Jr.

Blais, Robert M., Biddeford, Maine, assignor to Saco-Lowell Shops, Boston, Mass. Bobbin holder. 2,527,391, Oct. 24.

Blaisdell, Charles O., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Article forming apparatus. 2,496,929, Feb. 7.
Blaisdell, George G.: *See*— Flickinger, Lester, and Blaisdell.
Blake, Edward S., Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Antirusting composition. 2,497,432, Feb. 14.
Blake, Edward S., Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Alkyl esters of glycol polycarboxylic acid esters. 2,497,433, Feb. 14.
Blake, Edward S., Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Preserving rubber. 2,506,410, May 2.
Blake, Edward S., Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Lubricating oil composition. 2,531,801, Nov. 28.
Blake, Frank W., Chicago, Ill., and J. H. Dunlevy, assignors to The Garlock Packing Company, Palmyra, N. Y. Reinforced piston cup. 2,521,145, Sept. 5.
Blake, John B., Frostburg, Md., assignor to Celanese Corporation of America. Apparatus for treating traveling filamentary material with fluid media. 2,516,177, July 25.
Blake, Lamont V.: *See*— Page, Robert M., Distad, and Blake.
Blake, Lucille, New York, N. Y. Lipstick holder. 2,529,673, Nov. 14.
Blake Manufacturing Corporation, assignee: *See*— Garland, Edward J., and Officer.
Blake, Marvin A., Dallas, Tex., assignor to American Instrument Corporation. Hypodermic syringe. 2,502,639, Apr. 4.
Blake, Moffitt & Towne, assignee: *See*— Hoblick, Benjamin M.
Blake, Norman B., Beaumont, Tex., assignor to Sun Oil Company, Philadelphia, Pa. Electronic means for suppressing in-phase interference. 2.509,389, May 30.
Blake, Ralph, Newark, N. J. Adjustable curtain rod. 2,519,996, Aug. 22.
Blake, Ralph K., Rochester, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Silver halide developer compositions containing polyoxyalkylene ethers of hexitol ring dehydration products. 2,533,990, Dec. 12.
Blake, Robert P., Winchester, assignor to Polaroid Corporation, Cambridge, Mass. Infrared light-polarizing material and manufacture. 2,494,686, Jan. 17.
Blake, Whitney, Company, The, assignee: *See*— Collins, Ralph D.
Ingmanson, John H.
Blake, William F., Chicago, Ill. Soap dish. 2,501,256, Mar. 21.
Blake, William J., Sandy, Oreg. Scarifying bulldozer. 2,494,225, Jan. 10.
Blake, William T., Fort Worth, Tex. Hydraulic control for mechanisms. 2,535,778, Dec. 26.
Blakely, Robert T., Amityville, assignor to International Business Machines Corporation, New York, N. Y. Card handling mechanism. 2,533,309, Dec. 12.
Blakeney, Francis M., assignee: *See*— Ring, Ernest A.
Blakeslee, Clinton A., assignor to The Bristol Company, Waterbury, Conn. Control apparatus. 2,509,329, May 30.
Blakeslee, Clinton A., Middlebury, A. J. Balanda, Wolcott, and E. F. Dyson, assignors to The Bristol Company, Waterbury, Conn. Mounting for instrument pointers and pen arms. 2,529,907, Nov. 14.
Blakeslee, Herbert G., Evanston, assignor to Cory Corporation, Chicago, Ill. Collar handle for liquid vessels. 2,495,688, Jan. 31.
Blalock, Iva L., L. E. Ewing, and D. Hall, Portland, Oreg. Saddle for brassière straps. 2,505,272, Apr. 25.
Blampied, Philip, Flushing, N. Y. Instrument for drawing noncircular curves. 2,529,130, Nov. 7.
Blampin, Earle A., Grand Island, N. Y. Spinning-in the ends of tubes. 2,524,420, Oct. 3.
Blancha, Felix C., Havertown, Pa., assignor to Radio Corporation of America. Coaxial switch with plurality of contacting fingers. 2,505,939, May 2.
Blancha, Felix C., Manoa, Pa., assignor to Radio Corporation of America. Inductor. 2,496,034, Jan. 31.
Blanchard, Arthur A.: *See*— Stockbarger, Donald C., and Blanchard.
Blanchard, Benjamin B., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Driver actuating mechanism for fastening inserting machines. 2,533,419, Dec. 12.
Blanchard, Francis W., Snyder, and A. C. Borkenhagen, assignors to Hewitt Rubber Corporation, Buffalo, N. Y. Injection molding machine and method. 2,518,594, Aug. 15.
Blanchard, Ralph P., Abington, Mass. Supersonic reflector mounting. 2,519,345, Aug. 22.
Blanchard, Werner J., deceased, and C. S. J. MacNeil, deceased, Dayton, Ohio, by General Motors Corporation, Detroit, Mich., assignee. Propeller mechanism. Re. 23,253, Aug. 15.
Blanchard, William A., Millbury, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Harness cord connector for looms. 2,506,564, May 9.
Blanchard, William A., Millbury, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Nose board for Axminster looms. 2,527,054, Oct. 24.
Blanchard, Vinson, Abington, Mass. Confection packaging machine having confection conveying means and a horizontally arranged suction means for opening bags to receive the confections. 2,528,997, Nov. 7.
Blanchet, Charles T., assignee: *See*— Leedy, Leonard F.
Blanchet, Ovila J., New Bedford, Mass. Motion-picture apparatus. 2,493,612, Jan. 3.
Blanchette, Hilaire, St. Simon de Drummond, Quebec, Canada. Feeding and forming machine. 2,516,543, July 25.
Bland, James R., Eastport, Md., assignor to Keuffel & Esser Company, Hoboken, N. J. Slide rule. 2,534,695, Dec. 19.
Bland, Jay C., Houston, Tex. Swivel. 2,507,849, May 16.
Bland, Reginald B., Newport News, Va. Earpiece with inflatable sealing means. 2,535,258, Dec. 26.
Bland, Rophie E., New York, N. Y., assignor to Houdry Process Corporation, Wilmington, Del. Employing fluent catalyst. 2,492,958, Jan. 3.
Blandford, Herbert S., assignor to Medina Business Estate, Elmira, N. Y. Folding cardboard box. 2,522,597, Sept. 19.
Blandford, Herbert S., assignor to Medina Business Estate, Elmira, N. Y. Folding paper box construction. 2,522,598, Sept. 19.
Blanding, Forrest H., Elizabeth, N. J., assignor to Standard Oil Development Company. Apparatus for contacting solids and gaseous fluids. 2,502,954, Apr. 4.
Blanding, Forrest H., Elizabeth, N. J., assignor to Standard Oil Development Company. Catalytic conversion of hydrocarbons. 2,506,291, May 2.
Blaney, Dorothy L., Los Angeles, Calif., assignor to Radio Corporation of America. Magnetic head testing system. 2,528,682, Nov. 7.
Blaney, Dorothy L., Los Angeles, Calif., assignor to Radio Corporation of America. Monitoring system for magnetic recording. 2,530,562, Nov. 21.
Blaney, Dorothy L., Los Angeles, Calif., assignor to Radio Corporation of America. Editing and inspection of invisible sound tracks. 2,530,564, Nov. 21.
Blankenbuehler, John H., Murrysville, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Welding generator. 2.508.140, May 16.
Blankenship, Albert S., Commerce, Tex., and F. F. Blankenship, Norman, Okla. Nut shelling machine having cooperating rotary cracking members. 2,512,411, June 20.
Blankenship, Alma, Muskogee, Okla., assignor of one-third to D. Kelly and one-third to W. Crane, Fort Lauderdale, Fla. Diaper. 2.497.533, Feb. 14.
Blankenship, Forrest F.: *See*— Blankenship, Albert S. and F. F.
Blankstein, Saul C.: *See*— Benson, Albin N., McMorrow, Septfonds, Jr., and Blankstein.
Blann, William A.: *See*— Durant, Walter W., and Blann.
Blann, William A., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Inversion of sucrose. 2,534,694, Dec. 19.
Blanning, Harry K., Chicago, Ill. Apparatus for draining railroad refrigerator cars. 2,502,698, Apr. 4.
Blanton, William B., Rockville Centre, and E. J. Agnew, Brooklyn, assignors to The Western Union Telegraph Company, New York, N. Y. Telegraph switching system. 2,512,605, June 27.
Blanton, William B., Rockville Centre, and R. C. Ayers, Valley Stream, assignors to The Western Union Telegraph Company, New York, N. Y. Automatic telegraph switching system. 2,520.903, Sept. 5.
Blasen, Louis T., Saranac, Mich. Animal trap. 2,527,697, Oct. 31.
Blash, Joseph A.: *See*— Altman, Fred E., and Blash.
Blashfield, William H., assignor to The North Electric Manufacturing Company, Galion, Ohio. Telephone dial testing by means of an oscilloscope pattern. 2,535,118, Dec. 26.
Blasig, Joseph, assignee: *See*— Guiñez, Antonio.
Blasingame, Myron A., Fresno, Calif. Safety signal device for vehicles. 2,517,173, Aug. 1.
Blasiola, Joseph, Phoenix, Ariz. Field fruit box dumper. 2,513,076, June 27.
Blaski, John F., Chicago, Ill. Roof construction. 2,526,323, Oct. 17.
Blatt, Leland F., Detroit, Mich. Fish scaler. 2,510,371, June 6.
Blattmann, Henri, and H. Bruck, Paris, France, assignors to Compagnie Generale de Telegraphie Sans Fil. Device for the regulation and centering under vacuum of a filament for a Wehnelt cathode. 2,506,660, May 9.
Blattner, Emil H., Rochester, N. Y. Iron cord holder. 2,509,473, May 30.
Blattner, Emil H., Rochester, assignor to The Symington-Gould Corporation, Depew, N. Y. Side bearing. 2,515,853, July 18.
Blatz, Hanson, Rochester, and R. R. Roberts, Irondequoit, assignors to Ritter Company, Inc., Rochester, N. Y. Fluoroscopic shutter control mechanism. 2,502,200, Mar. 28.

Blau, Dave, assignee: *See*—
Abel, David M.
Blau, Marietta, assignor to Canadian Radium & Uranium Corporation, New York, N. Y. Apparatus for indicating and measuring small movements. 2,501,560, Mar. 21.
Blau, Marietta, and B. Pregel, assignors to Canadian Radium & Uranium Corporation, New York, N. Y. Alpha ray source and producing same. 2,510,795, June 6.
Blaugrund, Marvin J., Shaker Heights, Ohio. Antenna mounting clamp. 2,493,851, Jan. 10.
Blavier, Otto, Warrington, Pa. Work-holding attachment for tools. 2,510,950, June 13.
Blaw-Knox Company, assignee: *See*—
Barnebey, Herbert L.
Feldmeier, Frank.
Gray, Chesleigh.
Hackett, William B.
Harcourt, Guy N.
Jones, Wendell W.
Kermer, Martin J.
Mueller, Paul M.
Pottmeyer, Edward W.
Records, William M.
Thomas, William A.
Wert, Edwin A.
Blayney, James L., Lansdale, assignor to Philco Corporation, Philadelphia, Pa. Automatic blanking-level control for television receivers. 2,521,146, Sept. 5.
Blazel Corporation, assignee: *See*—
Arvins, Nathan A., and Arvintz.
Bleckman, Irving, New York, N. Y. Collapsible wardrobe. 2,522,561, Sept. 19.
Bledsoe, William E., Jr., assignor to Badger Carton Co., Milwaukee, Wis. Foldable holder for flashlight elements. 2,522,660, Sept. 19.
Bleeker, Edward F., and P. J. Ditto, Plattsburg, N. Y. Magazine safety razor. 2,510,951, June 13.
Blefeld, Gilbert M., Dallas, Tex. Drinking device. 2,505,380, Apr. 25.
Blendin, Ernst: *See*—
Ostermann, Otto, and Blendin.
Blesh, Raymond T., Wadsworth, assignor to Seiberling Latex Products Co., Akron, Ohio. Bathing cap. 2,531,318, Nov. 21.
Blessinger, Frank, Jr., Boyertown, Pa. Tractor hitch 2,513,783, July 4.
Bletz, Edward, Mansfield, Ohio, assignor to Stevens Manufacturing Company, Inc. Positive "off" thermostatic switch. 2,518,595, Aug. 15.
Bleuer, Keith T., Oak Park, Ill. Mechanical pencil. 2,506,917, May 9.
Blevans, Don W., assignor to Orbit Valve Company, Tulsa, Okla. Valve seat. 2,516,947, Aug. 1.
Blevins, Noah W., Roanoke, Va. Water actuated motor. 2,499,715, Mar. 7.
Blewett, John P.: *See*—
Peters, Philip H., Jr., and Blewett.
Blewett, Stephen E., Altadena, assignor of one-half to S. N. Blewett, Stockton, Calif. Weather indicator. 2,526,114, Oct. 17.
Blewett, Stephen N., assignee: *See*—
Blewett, Stephen E.
Bley, Fred M., Chicago, assignor to D. E. and F. Yeoman, St. Charles, Ill. Pessary. 2,494,226, Jan. 10.
Bley, Fred M., Glenview, Ill. Preloaded load limiting tool for dressing or cutting rotating bodies. 2,501,374, Mar. 21.
Blicke, Frederick F., assignor to The Regents of the University of Michigan, Ann Arbor, Mich. Production of 2-iminopiperidines and 2-iminopyrrolidines. 2,513,270, July 4.
Blicke, Frederick F., Washtenaw County, assignor to Regents of the University of Michigan, Ann Arbor, Mich. Aminoalkyl esters of dithienyl aliphatic acids. 2,533,084, Dec. 5.
Blicke, Frederick F., assignor to Regents of the University of Michigan, Ann Arbor, Mich. Aminohydroxybutenes. 2,533,085, Dec. 5.
Blicke, Frederick F., Washtenaw County, assignor to Regents of the University of Michigan, Ann Arbor, Mich. Hydroxymethylthianaphthene. 2,533,086, Dec. 5.
Blicke, Frederick F., Washtenaw County, assignor to Regents of the University of Michigan, Ann Arbor, Mich. Thianaphthenylmethyl benzoate. 2,533,087, Dec. 5.
Blickenstaff, Robert T.: *See*—
Hass, Henry B., and Blickenstaff.
Blickman, S., Inc., assignee: *See*—
Stephan, Wolfgang.
Blikstad, Finn, and E. Pedersen, Sarpsborg, Norway. Apparatus for purifying fibrous suspensions. 2,517,832, Aug. 8.
Blind, Karl A., Thiensville, assignor to Dings Magnetic Separator Co., Milwaukee, Wis. Can handling magnet. 2,503,467, Apr. 11.
Blind, Karl A., Thiensville, assignor to Dings Magnetic Separator Co., Milwaukee, Wis. Magnetic pulley. 2,535,719, Dec. 26.
Blinoff, Vsevolod, Paris, assignor to Société Anonyme dite: Societe D'Innovations Chimiques dite: Sinnova ou Sadic, Maux, Beauval, France. Separating higher molecular alcohols from the soaps obtained in the preparation of the same. 2,530,042, Nov. 14.
Blinoff, William: *See*—
Williams, Fred B., Hill, and Blinoff.
Blish, Elizabeth M., assignee: *See*—
Blish, Louis J.
Blish, Louis J., St. Clair County, assignor of fifty per cent to E. M. Blish and fifty per cent to W. T. Wilson, Jr., Birmingham, Ala. Saw filing gauge. 2,506,565, May 9.
Blish, Morris J.: *See*—
Hoglan, Forest A., and Blish.
Bliss, George L., Yardley, Pa., assignor to The American Steel and Wire Company of New Jersey. Agitating mechanism in apparatus for treating material with liquid. 2,528,851, Nov. 7.
Bliss, Harvey N., Windsor, assignor to Veeder-Root Incorporated, Hartford, Conn. Predeterminator register mechanism. 2,524,755, Oct. 10.
Bliss, Jack E., and O. R. Prather, assignors to Rotary Engineering and Manufacturing Company Inc., Midland, Tex. Gas detection. 2,514,690, July 11.
Bliss, Jerome J., assignor to Acrometal Products, Inc., Minneapolis, Minn. Flanged bobbin with snap on protected edge. 2,527,519, Oct. 31.
Bliss, Jerome J., assignor to Acrometal Products, Inc., Minneapolis, Minn. Flanged with protected edge. 2,527,520, Oct. 31.
Bliss, Lester E., assignor to Eastman Kodak Company, Rochester, N. Y. Shadow screen for optical comparators. 2,507,138, May 9.
Bliss, Warren H., Princeton, N. J., assignor to Radio Corporation of America. Frequency divider. 2,493,058, Jan. 3.
Bliss, Warren H., Princeton, N. J., assignor to Radio Corporation of America. Predetermined counter. 2,521,774, Sept. 12.
Bliss, Warren H., Riverhead, N. Y., assignor to Radio Corporation of America. Tone keyer control circuit. 2,495,805, Jan. 31.
Bliss, Warren H., Riverhead, N. Y., assignor to Radio Corporation of America. Multiplex telegraph system. 2,513,910, July 4.
Bliss, Warren H., Riverhead, N. Y., assignor to Radio Corporation of America. Electronic circuits for signaling. 2,513,911, July 4.
Bliss, Warren H., Riverhead, N. Y., assignor to Radio Corporation of America. Pulse receiver. 2,524,691, Oct. 3.
Bliss, Warren H., Riverhead, N. Y., assignor to Radio Corporation of America. Frequency divider. 2,526,000, Oct. 17.
Bliss, William R., Washington, D. C. Calculating device. 2,500,924, Mar. 21.
Bliss, William R., Washington, D. C. Wide dynamic range amplifying and demodulating system. 2,515,187, July 18.
Blitz, Daniel: *See*—
Shankweiler, Ray G., and Blitz.
Blitz, Daniel, Newtonville, Mass., assignor to Radio Corporation of America. Microwave measuring apparatus. 2,524,283, Oct. 3.
Blitz, Daniel, Newtonville, Mass., assignor to Radio Corporation of America. Microwave closure member and seal therefor. 2,527,908, Oct. 31.
Blitz, Daniel, Princeton, N. J., assignor to Radio Corporation of America. Antenna system. 2,522,562, Sept. 19.
Blitz, Daniel, Princeton, N. J., assignor to Radio Corporation of America. Standing wave detector. 2,522,563, Sept. 19.
Blitz, Daniel, Princeton, N. J., assignor to Radio Corporation of America. Frequency modulation radio-echo distance indicator. 2,524,282, Oct. 3.
Blitz, Daniel, Princeton, N. J., assignor to Radio Corporation of America. Frequency modulation distance measuring system. 2,528,109, Oct. 31.
Blitz, Daniel, Princeton, N. J., assignor to Radio Corporation of America. Radio distance measuring system. 2,533,871, Dec. 12.
Blizard, Robert B.: *See*—
Larsen, Jack, and Blizard.
Blizzard, William H., assignee: *See*—
Bennett, William R., Sr.
Bloch, Elsie C. and G. New York, N. Y. Loop pile carpet fabrics. 2,497,716, Feb. 14.
Bloch, Godfrey: *See*—
Bloch, Elsie C. and G.
Harris, Milton, Fourt, Bullock, and Bloch.
Bloch, Godfrey, Inc., assignee: *See*—
Harris, Milton, Fourt, Bullock, and Bloch.
Bloch, Herman S.: *See*—
Thompson, Ralph B., and Bloch.
Bloch, Herman S., assignor to Universal Oil Products Company, Chicago, Ill. Diels-alder condensation products of certain polyolefinic, cyclic hydrocarbon fractions. 2,514,533, July 11.
Bloch, Herman S., assignor to Universal Oil Products Company, Chicago, Ill. Production of resinous materials. 2,518,519, Aug. 15.

Bloch, Herman S., assignor to Universal Oil Products Company, Chicago, Ill. Preparation of a hydrocarbon drying oil. 2,529,590, Nov. 14.
Bloch, Herman S., assignor to Universal Oil Products Company, Chicago, Ill. Preparation of synthetic resins from a dichloroalkene and a hydrocarbon fraction containing chloro-aromatic hydrocarbons. 2,529,591, Nov. 14.
Bloch, Herman S., and A. E. Hoffman, Riverside, assignors to Universal Oil Products Company, Chicago, Ill. Cobodied drying oils. 2,523,609, Sept. 26.
Bloch, Rudolf, and L. V. Farkas, Jerusalem, K. Goldschmid, Tel Aviv, and M. Lewin, I. Schnerb, and P. Goldschmidt, Jerusalem, Palestine; H. Farkas, executrix of said L. V. Farkas, deceased. Rendering wool unshrinkable. 2,508,007, May 16.
Block & Anderson Limited, assignee: *See*— Gerlach, Hugo.
Block, Charles F., Batavia, N. Y. Combined cigarette support and extinguisher. 2,498,330, Feb. 21.
Block, Curtis, Bridgeport, Conn. Cigarette box. 2,493,334, Jan. 3.
Block, David I., Elmhurst, N. Y. Coin stacking and packaging device. 2,523,089, Sept. 19.
Block, Harold H., assignor to The Garrett Corporation, Los Angeles, Calif. Low melting flux. 2,498,199. Feb. 21.
Block, Harold H., assignor to The Garrett Corporation, Los Angeles, Calif. Composition for joining metal surfaces. 2,508,008, May 16.
Block, Herman, New York, N. Y. Holder. 2,495,806, Jan. 31.
Block, Hyman G.: *See*— Block, Jacob B., Sher, and Block.
Block, Jacob B., Westmount, Quebec, and D. B. Sher and H. G. Block, Montreal, Quebec, Canada. Combination crib sheet and mattress protector. 2,516,363, July 25.
Block, Morris H., Denver, Colo. Making educational phonograph records. 2,519,103, Aug. 15.
Block, René H.: *See*— Welsh, Robert J., and Block.
Block, Richard J., Scarsdale, assignor to The Borden Company, New York, N. Y. Preparing protamines. 2,497,858, Feb. 21.
Block, Richard J., Scarsdale, N. Y. Anion exchange resin in anti-irritation powder. 2,501,927, Mar. 28.
Block, Walter W.: *See*— Krah, Rudolf, and Block.
Block, Walter W., assignor to Quaker Stretcher Company, Kenosha, Wis. Curtain stretcher. 2,521,685, Sept. 12.
Blockinger, James J., Cuyahoga Falls, assignor to The Galanot Products Company, Alliance, Ohio. Andiron construction. 2,515,586, July 18.
Blodgett, Katharine B., and V. J. Schaefer, Schenectady, N. Y., assignors to General Electric Company. Making electrical indicators of mechanical expansion. 2,493,745, Jan. 10.
Blok, Henri, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Heterodyne receiver circuit. 2,525,394, Oct. 10.
Blok, Henri, and H. A. Broos, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Radio receiver with band-spread tunable circuits. 2,495,624, Jan. 24.
Blok, Laurens: *See*— Van der Mark, Jan, Venis, Roszbach, and Blok.
Blok, Lourens, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Measuring circuits for intermodulation measurements. 2,530,596, Nov. 21.
Blok, Lourens, and J. M. L. Janssen, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Circuit for amplitude modulation. 2,521,443, Sept. 5.
Blohm, Clyde L., Los Angeles, and R. M. Young, Long Beach, assignors to The Fluor Corporation, Ltd., Los Angeles, Calif. Bubble cap. 2,518,746, Aug. 15.
Blom, Sven G.: *See*— Angerby, Erik A., Carlsson, and Blom.
Blomberg, Knut H., New York, N. Y., assignor to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden. Controlling apparatus. 2,499,451, Mar. 7.
Blomberg, Martin P.: *See*— Finigan, Andrew G., Bruchtel, and Blumberg.
Blomberg, Martin P., Hinsdale, Ill., assignor to General Motors Corporation, Detroit, Mich. Spring seat and equalizer lifting means. 2,499,293, Feb. 28.
Blomberg, Martin P., Hinsdale, Ill., assignor to General Motors Corporation, Detroit, Mich. Body side frame. 2,519,018, Aug. 15.
Blomberg, Martin P., Hinsdale, Ill., assignor to General Motors Corporation, Detroit, Mich. Draft gear. 2,530,756, Nov. 21.
Blomgren, Carl E., assignor of one-half to E. O. Blomgren, Chicago, Ill. Nonsnag sinker for fishing lines. 2,519,104, Aug. 15.
Blomgren, Edith O., assignee: *See*— Blomgren, Carl E.
Blomgren, Evert, assignor to Raymond Engineering Laboratory, Inc., Berlin, Conn. Gyroscope caging and uncaging device. 2,527,055, Oct. 24.
Blomgren, Oscar C., Evanston, Ill., assignor, by mesne assignments, to General Finance Corporation. Rotary disk agitator for soil tillers. 2,503,993, Apr. 11.
Blomquist, Johan O., Stockholm, Sweden. Concrete conveyer. 2,513,784, July 4.
Blomquist, Uno O., Vasteras, and S. W. Wallin, Jonkoping, assignors to A. B. Svenska Flaktfabriken, Stockholm, Sweden. Dust extracting device. 2,533,991, Dec. 12.
Blondin, George A., Maplewood, Mo. Removable sorting rack. 2,494,030, Jan. 10.
Blondin, Joseph A., West Los Angeles, Calif. Airplane with circular airfoil. 2,515,587, July 18.
Blood, Robert H., and B. W. Sewell, Tulsa, Okla., assignors to Standard Oil Development Company. Oil well formation tester. 2,521,332, Sept. 5.
Bloom, Albert: *See*— Niederl, Victor, and Bloom.
Bloom, Cecil A., South Bend, Ind. Remotely operable means for focusing photographic enlargers. 2,500,656, Mar. 14.
Bloom, Frederick A., Houston, Tex. Skull clamp. 2,494,792, Jan. 17.
Bloom, Frederick S., Mount Lebanon Township, Allegheny County, Pa. Regenerative ingot-heating furnace with oil burners. 2,504,379, Apr. 18.
Bloom, Frederick S., Pittsburgh, Pa. Controlling fuel supply to multizone heating furnaces. 2,523,644, Sept. 26.
Bloom, Fredrick K., Baltimore Md., assignor to Armco Steel Corporation. Spring and method. 2,527,521, Oct. 31.
Bloom, Isaac, assignee: *See*— Matter, Ernst.
Bloom, Oscar H., Brooklyn, N. Y. Synthetic estromimetic agents. 2,504,633, Apr. 18.
Bloom, Richard A., Chicago, Ill., assignor to National Biscuit Company, New York, N. Y. Carton blank feeder. 2,530,644, Nov. 21.
Bloom, Samuel, New Brunswick, N. J. Testing device. 2,508,367, May 23.
Bloomberg, David J., Newton, Mass., assignor to General Electric Company. Axial flow elastic fluid turbine. 2,494,328, Jan. 10.
Bloomberg, David J., Newton, Mass., assignor to General Electric Company. Bucket structure for high-temperature turbomachines. 2,500,745, Mar. 14.
Bloomenthal, Sidney, Chicago, and F. E. Wood, McHenry, assignors to Automatic Electric Laboratories, Inc., Chicago, Ill. Lubricating compound. 2,530,804, Nov. 21.
Bloomer Bros. Company, assignee: *See*— Inman, William H.
Bloomfield, Harold, Chicago, Ill. Potato cutter. 2,497,289, Feb. 14.
Bloomfield, John J., assignor to Lockheed Aircraft Corporation, Burbank, Calif. Power transmitting belt. 2,526,324, Oct. 17.
Bloomfield, John J., assignor to Lockheed Aircraft Corporation, Burbank, Calif. Aircraft propeller drive. 2,532,755, Dec. 5.
Bloomfield, Samuel, Chicago, Ill. Ice cream disher. 2,498,331, Feb. 21.
Bloomfield, Samuel, Wichita, Kans., and R. S. Wallach, Madison, N. J., assignors to C. E. Hovey, Kansas City, Mo., as trustee. Bottle cap lifting and retaining tool. 2,510,459, June 6.
Bloomfield Tool Corporation, assignee: *See*— Noe, Harold C.
Bloomington Limestone Corporation, assignee: *See*— Solomito, Joseph.
Bloomquist, Rudolph A., Auburn, Mass. Universal device for sharpening hypodermic needles. 2,520,523, Aug. 29.
Bloomstran, Floyd H.: *See*— Jones, James R., and Bloomstran.
Bloomstran, Floyd H., assignor to Art Metal Construction Company, Jamestown, N. Y. Mounting copyholders on typewriter platforms. 2,501,257, Mar. 21.
Blout, Elkan R.: *See*— Amon, William F., Jr., and Blout.
Blout, Elkan R., Cambridge, and W. F. Amon, Jr., Boston, assignors to Polaroid Corporation, Cambridge, Mass. Light filter transparent to infrared radiation and opaque to visible light. 2,525,638, Oct. 10.
Bloxham, Verlin A., Berkeley, Calif. Drying hops. 2,510,372, June 6.
Bludworth, Joseph E., Cumberland, Md., and M. H. Kotzebue, Houston, Tex., assignors to Celanese Corporation of America. Cooling reaction gases. 2,497,973, Feb. 21.
Bludworth, Joseph E., and R. E. Meyer, Cumberland, Md., assignors to Celanese Corporation of America. Condensation of acrolein with monohydric saturated aliphatic alcohols. 2,495,313, Jan. 24.
Blue, Arthur A., Fairfield, Conn. Drier roll for paper, paperboard, and like material. 2,519,105, Aug. 15.
Blue Channel Corporation, The, assignee: *See*— Harris, Sterling G., and Willis. Johnson, Roy M.
Blue, Harry, Coldwater, assignor of one-half to M. L. Blue, Quincy, Mich. Trailer hitch. 2,510,677, June 6.
Blue, Max T., Wichita, Kans. Aircraft passenger chair. 2,518,860, Aug. 15.
Blue, Melvin L., assignee: *See*— Blue, Harry.
Blue, Robert D.: *See*— Hunter, Ralph M., Blue, and Neipert.
Blue, Roy E.: *See*— McKecknie, Ian C., Blue, and Oliphant.

Blue, Roy E., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Bearing and making the same. 2,498,873, Feb. 28.

Blue Bell, Inc., assignee: *See*— Stanley, Eugene.

Bluemink, Gary G., and R. A. Beach, Racine, Wis., assignors, by mesne assignments, to Cummins Business Machines Corporation, Chicago, Ill. Housing for portable motor driven tools. 2,513,271, July 4.

Blue Ridge Glass Corporation, assignee: *See*— Glynn, Theodore W.

Bluestein, Ben A., Schenectady, N. Y., assignor to General Electric Company. Preparing alkylfluorosilanes. 2,519,879, Aug. 22.

Bluford, Horace, Virginia Beach, Va. Simulated bowling game backstop. 2,512,516, June 20.

Bluhm, Fred A., Michigan City, Ind., D. W. Hayes, Chicago, and A. H. Zeigler, Kenilworth, assignors to Armour and Company, Chicago, Ill. Fiber spinning apparatus and method. 2,529,674, Nov. 14.

Bluhm, Harland K., Wadena, Minn. Boat speedometer. 2,525,639, Oct. 10.

Bluhm, Otto J., Wausau, Wis. Crate for bottles. 2,523,272, Sept. 26.

Blum, Harry, New York, N. Y. Film viewing device. 2,515,921, July 18.

Blum, Nevin J.: *See*— Ferris, William P., and Blum.

Blume, Carl T., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Feeding device. 2,495,885, Jan. 31.

Blumenbaum, Louis G., Cranston, and R. E. Langlois, West Warwick, R. I., assignors to Draper Brothers Company, Canton, Mass. Tubular fabric straightener and method. 2,503,705, Apr. 11.

Blumenson, Barnett, Brooklyn, N. Y. Mop shaking receptacle. 2,510,860, June 6.

Blumenthal, Milton M., assignee: *See*— Cook, Berton E.

Blumenthal, Sidney & Co., Inc., assignee: *See*— Abbott, Arthur R., Kieley, and Simon. Kieley, Michael F., and Abbott. Loyshin, Frank A., and Bayley. Sullivan, Francis J., and Abbott.

Blumenthal, Warren B., Niagara Falls, assignor, by mesne assignments, to National Lead Company, New York, N. Y. Dye pigment. 2,492,959, Jan. 3.

Blumenthal, Warren B., Niagara Falls, assignor to National Lead Company, New York, N. Y. Preparing ammonium zirconium sulfate salt. 2,525,474, Oct. 10.

Blumer, Adam F., and E. J. Verret, Baton Rouge, La., assignors to Standard Oil Development Company. Two-port valve for volatile liquid containers. 2,529,275, Nov. 7.

Blumfield, Joseph, Los Angeles, Calif. Tufted, hooked, and woven fabric. 2,508,852, May 23.

Blumfield, Joseph, Los Angeles, Calif. Tufting machine. 2,533,420, Dec. 12.

Blumlein, Alan D., deceased, Ealing, London, by D. Blumlein, executrix, Lanherne, Lescudjack, Penzance, Cornwall, assignor to Electric & Musical Industries Limited, Hayes, England. Apparatus for generating electrical impulses. 2,496,979, Feb. 7.

Blumlein, Alan D., deceased, Penzance, Cornwall, by D. Walker, executrix, Penzance, Cornwall, assignor to Electric & Musical Industries Limited, Middlesex, England. Pulsed oscillator. 2,496,980, Feb. 7.

Blumlein, Alan D., deceased, late of London, England, by D. Walker, executrix, Lescudjack, Penzance, Cornwall, England, assignor to Electric and Musical Industries, Limited. Radio locator system. 2,525,089, Oct. 10.

Blumlein, Alan D., deceased, Ealing, London, England, by D. Walker, executrix, Lanherne, Lescudjack, Pezance, Cornwall, assignor to Electric & Musical Industries Limited, Hayes, England. Electrical bridge arrangement. 2,532,142, Nov. 28.

Blumlein, Doreen, executrix: *See*— Blumlein, Alan D.

Blundell, Alfred, Coleshill, England. Air intake and exhaust silencer for internal-combustion engines. 2,512,823, June 27.

Blundell, Charles E., Warrington, Fla. Engine actuated ventilating system. 2,523,273, Sept. 26.

Blunschi, Louis: *See*— Jaggi, Walter, and Blunschi.

Blunt, Jack C., assignor of one-tenth to O. T. Fabre, Lafitte, La. Animal trap. 2,501,928, Mar. 28.

Bluth, Ludwig S., Hollywood, Calif., and R. Feitl, Brooklyn, assignors to Waldes Koh-I-Noor, Inc., Long Island City, N. Y. Retaining ring assembly. 2,509,081, May 23.

Bly, Jewell L., and L. C. Ditmore, San Angelo, Tex. Fountain curl comb. 2,528,108, Oct. 31.

Blydenburgh, Harold L.: *See*— George, Edwin S., and Blydenburgh.

Blydenburgh, Harold L., Highland Park, assignor to The Moto-Mower Company, Deroit, Mich. Cutting reel unit for lawn mowers. 2,505,878, May 2.

Blydenburg, Harold L., Highland Park, assignor to The Moto-Mower Company, Detroit, Mich. Power lawn mower. 2,505,879, May 2.

Blydenburgh, Harold L., assignor to The Moto-Mower Company, Detroit, Mich. Driving mechanism for power lawn mowers. 2,519,019, Aug. 15.

Blythe, Harold J., Swinton, and A. L. Hock, Worsley, assignors to Magnesium Elektron Limited, London, England. Production of potassium fluozirconates. 2,500,792, Mar. 14.

Boak, Jackson K., Camden, Tenn. Milk can opener and container having two lids and adjustable stop means limiting the opening of the lids. 2,501,653, Mar. 28.

Boal, Stewart, Winnetka, assignor to Randolph Laboratories, Inc., Chicago, Ill. Mobile fire extinguisher. 2,510,861, June 6.

Board, Francis S., and R. P. Robichaux, Chicago, Ill., assignors to Murray Deodorizers Ltd., Auckland, New Zealand. Treating potable liquids. 2,516,099, July 25.

Board of Commissioners of State Institutions of the State of Florida, The, assignee: *See*— Kessler, William J., Gano, and Moreno.

Boardman, Coe A., assignee: *See*— Huelsdonk, William A.

Boardman, Harold, assignor to Carboline Limited, Vancouver, British Columbia, Canada. Fuel for internal-combustion spark ignition engines. 2,506,539, May 2.

Boardman, Harry C., Chicago, Ill., assignor to Chicago Bridge & Iron Company. Gasholder. 2,492,961, Jan. 3.

Boardman, Harry C., Chicago, Ill., assignor to Chicago Bridge & Iron Company. Welding laminated plates. 2,516,100, July 25.

Boardman, Harry C., Chicago, Ill., assignor to Chicago Bridge & Iron Company. Support for containers. 2,523,274, Sept. 26.

Boardman, Harry C., F. L. Goldsby, and C. M. Orr, Chicago, Ill., assignors to Chicago Bridge & Iron Company. Lifter roof storage tank. 2,492,960, Jan. 3.

Boat, Earl M., assignor to Standard Gage Company, Inc., Poughkeepsie, N. Y. Shockproof dial indicator. 2,527,173, Oct. 24.

Boatright, Robert G., Jr., and M. O. Kilpatrick, Borger, Tex., and W. S. Derrick, Guymon, Okla., assignors to Phillips Petroleum Company. Furfural purification. 2,523,554, Sept. 26.

Bobalek, Edward G.: *See*— Kanning, Eugene W., Bobalek, and Hart.

Bobard, Emile, Beaune, France. Piston pump. 2,519,106, Aug. 15.

Bobard, Emile, Beaune, France. Wheeled mower and drive therefor. 2,533,759, Dec. 12.

Bobby, Frederick J., Berkeley, assignor to The Union Ice Company, San Francisco, Calif. Making ice. 2,498,645, Feb. 28.

Bober, Louis E., La Grange, Ill., assignor to Babson Bros. Co. Pipe joint. 2,512,009, June 20.

Boberg, Irving E., Chicago, Ill., assignor to Chicago Bridge & Iron Company. Liquid seal for floating roofs. 2,516,101, July 25.

Bobier, Wilfred S., Jr., Grosse Pointe Woods, Mich., assignor to G. M. and E. Holley. Gas turbine tail burner fuel control. 2,498,939, Feb. 28.

Bobier, Wilfred S., Jr., Grosse Pointe Woods, Mich., assignor to G. M. and E. Holley. Fuel feed governor for gas turbines. 2,515,074, July 11.

Bobrick, Arthur L., Pasadena, Calif. Lather dispenser. 2,515,328, July 18.

Bobrov, Samuel H., Chicago, Ill. Tape dispenser and applier. 2,532,596, Dec. 5.

Bobrov, Samuel H., and S. A., Chicago, Ill. Tape dispenser and applier. 2,532,597, Dec. 5.

Bobrov, Sol A.: *See*— Bobrov, Samuel H. and S. A.

Bobst, Henri, Lausanne, Switzerland. Driving mechanism of mobile platens in presses. 2,507,556, May 16.

Bobst, Henri, Lausanne, Switzerland. Centering device for gripper bars in sheet handling machines. 2,512,084, June 20.

Boby, Robert, Limited, assignee: *See*— Stewart, Frederick C.

Bocchino, Ernest, Clifton, N. J. Combination meat roast rack for in- and outdoor use. 2,502,818, Apr. 4.

Boccia, Raymond A., Cleveland, Ohio. Breakwater. 2,514,119, July 4.

Bocciarelli, Carlo V., Oxford, Pa., assignor to Philco Corporation. Magnetic lens system. 2,498,354, Feb. 21.

Bochau, William A., Baltimore, Md. Flowerpot hanger. 2,496,851, Feb. 7.

Bock, Adrian P., assignee *See*— McBride. James.

Bock, Ashley P., Catonsville, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Induction heating equipment. 2,499,716, Mar. 7.

Bock, Ashley P., Catonsville, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Thermal protective device for electronic devices. 2,530,935, Nov. 21.

Bock, August F. and A. M., Elkhart, Ind. Metallic frame. 2,494,115, Jan. 10.

Bock, August M.: *See*— Bock, August F., and A. M.

Bock, Charles E.: *See*— Gaskill, Alfred T., and Bock.

Bock Corporation, assignee: *See*—
Bock, Oscar L.
Bock, James A.: *See*—
Giachetto, John J., Snuggs, and Bock.
Bock, Louis H.: *See*—
Hollander, Charles S., and Bock.
Houk, Alva L., and Bock.
De Benneville, Peter L., Armstrong, and Bock.
De Benneville, Peter L., and Bock.
De Benneville, Peter L., Bock and Gormly.
Bock, Louis H., Huntingdon Valley, and P. L. de Benneville, assignors to Rohm & Haas Company, Philadelphia, Pa. Coupling 3,5-dimethylphenylmethyl ethers of cellulose with diazonium salts. 2,498,874, Feb. 28.
Bock, Louis H., Huntingdon Valley, and P. L. de Benneville, assignors to Röhm & Haas Company, Philadelphia, Pa. Coloring cellulosic materials with diazonium salts and naphthyl ethers. 2,498,875, Feb. 28.
Bock, Louis H., Huntingdon Valley, and J. L. Rainey, Abington, assignors to Rohm & Haas Company, Philadelphia, Pa. Polyethyleneglycol ethers of bis(dialkylhydroxyphenyl)methane. 2,504,064, Apr. 11.
Bock, Marvin J., Lexington, assignor to Raytheon Manufacturing Company, Newport, Mass. Controlling device for cooking apparatus. 2,516,503, July 25.
Bock, Michael, II: *See*—
Lutts, Carlton G., Hickey, and Bock, II.
Pletsch, Erich C., and Bock, II.
Bock, Oscar L., assignor to Bock Corporation, Madison, Wis. Heater. 2,506,336, May 2.
Bockhorst, William, Springfield, Mo. Reclining chair. 2,502,819, Apr. 4.
Bockisch, Walter A., Elmhurst, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Magnetic chuck for a part having two magnetizable zones. 2,521,821, Sept. 12.
Bockman, Theodore, Evanston, assignor to Universal Oil Products Company, Chicago, Ill. Catalyst contacting apparatus. 2,530,645, Nov. 21.
Bockmeyer, Eldon, Philadelphia, Pa. Apparatus for cooling fluids. 2,509,031, May 23.
Bocquel, René: *See*—
De France, Henri G., and Bocquel.
Bodansky, John C., assignor to Cocker Machine & Foundry Company, Gastonia, N. C. Stop control mechanism. 2,534,896. Dec. 19.
Boddy, Edwin H., Erie, Pa., assignor to General Electric Company. Support for food storage receptacles. 2,499,179, Feb. 28.
Boddy, Edwin H., Erie, Pa., assignor to General Electric Company. Adjustable rotatable shelf. 2,519,880, Aug. 22.
Boddy, Leonard, Ann Arbor, Mich., assignor to The Anderson Company. Temperature responsive switch. 2,507,365, May 9.
Bode, Robert G., and C. A. Geib, assignors to The Norwood Company, Chicago, Ill. Detachable tone arm mounting. 2,496,693, Feb. 7.
Bodell, John E., Fremont, Nebr. Wallpapering machine. 2,521,333, Sept. 5.
Bodemuller, Henry R., La Fayette, La. Radio apparatus for visualizing distant objects. 2,523,858, Sept. 26.
Boden, Samuel H.: *See*—
Cumming, James M., and Boden.
Bodendieck, Henry W., Taylorville, Ill. Hot-wire clamp. 2,509,082, May 23.
Bodendieck, Henry W., Taylorville, Ill. Hot-wire clamp. 2,509,083, May 23.
Bodensieck, E. Justus: *See*—
Roth, Jay M., and Bodensieck.
Bodger, Walter K., South Glastonbury, assignor to United Aircraft Corporation, East Hartford, Conn. Nozzle ring for gas turbines. 2,497,041, Feb. 7.
Bodger, Walter K., Glastonbury, assignor to United Aircraft Corporation, East Hartford, Conn. Turbine or compressor rotor. 2,510,734, June 6.
Bodger, Walter K., Glastonbury, assignor to United Aircraft Corporation, East Hartford, Conn. Turbine element. 2,510,735, June 6.
Bodinaux, Gaston, Liege, and A. Malchair, Herstal, assignors to C. Somville, Brussels, Belgium. Control device for cable control mechanisms. 2,529,447, Nov. 7.
Bodine, Albert G., Van Nuys, Calif. Engine fuel system. 2,520,120, Aug. 29.
Bodinus, William S., Chicago, Ill., assignor to Carrier Corporation, Syracuse, N. Y. Wort processing. 2,495,625, Jan. 24.
Bodkin, Irving S., assignor to Conrad Razor Blade Co., Inc., New York, N. Y. Machine for applying legends to safety razor blades. 2,515,854, July 18.
Bodlander, Hans, Forest Hills, N. Y. Camera and folding lens mount therefor. 2,495,223, Jan. 24.
Bodle, Virgil H., Alhambra, Calif., and G. W. Blair and L. P. Dosmann, assignors to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Sprayed rubber surfacing. 2,501,839, Mar. 28.
Bodmer, Ernest, Grand-Lancy-Geneve, assignor to Tarex S. A., Geneva, Switzerland. Automatic lathe turret controller. 2,525,856, Oct. 17.
Bodmer, Ernest, Grand-Lancy-Geneve, assignor to Tarex S. A., Geneva, Switzerland. Workpiece support. 2,525,857, Oct. 17.
Bodnar, Joseph, assignor to W. Sutherland and G. DiPaola, Detroit, Mich. Rotatable steam joint. 2,533,421, Dec. 12.
Boe, Carsten F., Wooddale, Del. Valve means for spraying devices. 2,494,793, Jan. 17.
Boe, Carsten F., Wooddale, Del. Emulsion containing a liquefied propellant gas under pressure and spraying same. 2,524,590, Oct. 3.
Boe, Gottfred, Englewood, N. J., assignor to Specialties, Inc. Spring powered electric generator. 2,524,005, Sept. 26.
Boecking, Ewald, Great Kills, assignor to Manufacturers Machine & Tool Co., Inc., Mount Vernon, N. Y. Pad roller device for motion-picture projecting machines. 2,530,448, Nov. 21.
Boedeker, Edward W., Fort Wayne, Ind. Hosiery. 2,493,910, Jan. 10.
Boedecker, Woodrow S., and M. H. Wigton, assignors to The Bastian-Blessing Company, Chicago, Ill. Blowpipe. 2,527,297, Oct. 24.
Boeger, Henry F., Beverly Hills, assignor to Surgident, Ltd., West Los Angeles, Calif. Syringe for applying heat-fluent impression composition to dental inlay preparations and the like, and impression-material cartridge for use therein. 2,505,028, Apr. 25.
Boeger, Henry F., Beverly Hills, assignor to Surgident, Ltd., West Los Angeles, Calif. Guard device for syringes for use with heat-fluent materials. 2,532,598, Dec. 5.
Boegner, Etienne M., New York, N. Y. Ticket issuing device. 2,507,395, May 9.
Boehm, Alfred A., Jr., New York, N. Y. Calculator. 2,520,904, Sept. 5.
Boehm, Carl A., assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Instrument mounting. 2,535,889, Dec. 26.
Boehm, Paul F., Greenwich, Conn. Ellipse generator. 2,532,353, Dec. 5.
Boehm, Robert M., assignor to Masonite Corporation, Laurel, Miss. Sizing exploded fibers. 2,516,847, Aug. 1.
Boeing Airplane Company, assignee: *See*—
Castor, Thomas D., Dillman, Fehring, and Strandberg.
Herrala, Carlo O., and Jepson.
Jacobus, Clarence E.
Plath, Robert.
Santee, Edwin M., Burkhard, and Hess.
Seeger, Bernard I.
Smaby, Marcus E.
Stedman, Cecil K., Price, and Wisner.
Stoner, George H., and Stedman.
Swanson, Wallace R.
Terdina, Frank, and Skidmore.
Wells, Edward C.
Yourglich, Mildred M., and Bowe.
Boeker, Gilbert F.: *See*—
Boorse, Henry A., and Boeker.
Boelter, Llewellyn M. K., Los Angeles, R. V. Dunkle, Concord, and J. T. Gier, Oakland, Calif., and R. C. Martinelli, Schenectady, N. Y., assignors to The Regents of the University of California, Berkeley, Calif. Thermoelectric heat flow responsive device. 2,493,651, Jan. 3.
Boemer, Richard H., Milwaukee, Wis. Room ventilating unit for mounting in window frames. 2,525,395, Oct. 10.
Boenisch, Charles J.: *See*—
Colomy, Roy H., and Boenisch.
Boerner, Lewis W.: *See*—
Boyd, Fisher L., and Boerner.
Boerner, Lewis W., Newtown Square, and E. C. Holmes, West Chester, assignors to National Foam System, Inc., Philadelphia, Pa. Foam producing apparatus. 2,524,421, Oct. 3.
Boers, Ysbrand: *See*—
Rinia, Herre, de Bray, van Weemen, Boers, Sypkens, and van Heeckeren.
Boersma, Barney, assignor to Grand Rapids Fibre Cord Company, Grand Rapids, Mich. Cord or edge roll for upholstery. 2,503,791, Apr. 11.
Boerstra, Murk, Ermelo, Netherlands. Device for treating liquids and emulsions. 2,521,334, Sept. 5.
Boes, W. W., Company, The, assignee: *See*—
Summers, Otto M.
Boese, Alvin W., White Bear Township, Ramsey County, and E. F. Michl, Lincoln Township, Washington County, assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Decorative rayon fabric and making. 2,503,024, Apr. 4.
Boestad, Gustav K. W.: *See*—
Lindhagen, Teodor I., and Boestad.
Boester, Carl F., West Lafayette, Ind. Heating screen. 2,523,353, Sept. 26.
Boettcher, Paul F., Grand Haven, Mich., assignor to The Bastian-Blessing Company, Chicago, Ill. Refrigerator unit. 2,508,326, May 16.
Boeve, Arthur J., Sr.: *See*—
Baar, Peter, and Boeve, Sr.
Bogard, Fred J., Huntington, W. Va., assignor to American Car and Foundry Company, New York, N. Y. Mine car axle retainer. 2,514,534, July 11.
Bogart, Fred H., South Euclid, assignor to The Warner & Swasey Company, Cleveland, Ohio. Machine tool. 2,507,241, May 9.

Bogart, Fred H., South Euclid, assignor to The Warner & Swasey Company, Cleveland, Ohio. Power chuck wrench. 2,515,329, July 18.

Bogen, Ruth D.: *See*—
Bogen, Samuel and Ruth D.

Bogen, Samuel, and R. D. Bogen, New York, N. Y. Electromagnetic and photoelectric mechanism and continuous tube gauging. 2,519,221, Aug. 15.

Bogenberger, Esther E., assignor of fifty per cent to J. J. Helby, Milwaukee, Wis. Slider for separable slide fasteners. 2,510,736, June 6.

Bogenhagen, Gustave H., Cheyenne Wells, Colo. Adjustable belt pulley assembly. 2,495,089, Jan. 17.

Boger, Clyde, Saulte Ste. Marie, Mich. Timing control system. 2,496,574, Feb. 7.

Boger, Sam, and D. V. Davis, Dodge City, Kans. Tire loosening tool. 2,535,562, Dec. 26.

Bogese, Stephen B.: *See*—
Southern, John A., and Bogese.

Boggis, Henry P., Shaker Heights, Ohio. Tap grinding machine. 2,526,844, Oct. 24.

Boggs, Ernest, Lexington, Ky. Portable ladder. 2,505,750, May 2.

Boggs, Fitzhugh W.: *See*—
Dakin, Thomas W., Works, and Boggs.

Boggs, Nelson N., Wakefield, E. Colegrove, Lucasville, and F. W. Walters, Piketon, Ohio. Safety ladder. 2,507,396, May 9.

Boghosian, William H., Forest Hills, S. Darlington, New York, N. Y., and H. G. Och, West Englewood, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Artillery director. 2,493,183, Jan. 3.

Bohaboy, Edward J., Berwyn, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Reciprocating bender with sliding side shapers. 2,530,222, Nov. 14.

Bohanan, Collonus N., Oak Park, Ill. Self-sealing dispensing cap and closure for containers. 2,512,412. June 20.

Bohannon, George S., assignor to Crown Machine and Tool Company, Fort Worth, Tex. Plastic molding machine. 2,501,595, Mar. 21.

Bohannan, Robert S., assignor to Toledo Scale Company, Toledo, Ohio. Hydraulic weighing scales. 2,523,413, Sept. 26.

Bohannan, Robert S., assignor to Toledo Scale Company, Toledo, Ohio. Load responsive pressure transmitter. 2,531,104, Nov. 21.

Bohannon, William A., Winter Park, Fla., assignor to Republic Aviation Corporation, Farmingdale, N. Y. Magneto breaker point assembly. 2,516,178, July 25.

Bohl, Lester E., Akron, Ohio, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Purification of carbonic acid esters. 2,517,965, Aug. 8.

Bohl, William F., Jr., assignor to Training Devices, Inc., Detroit, Mich. Film projecting apparatus. 2,530,936, Nov. 21.

Bohle, Wallace R., Mount Horeb, Wis. Fluid pressure switch. 2,501,660, Mar. 28.

Bohls, Sidney W., Austin, Tex., assignor to Hynson, Westcott & Dunning, Incorporated. Aluminum penicillin. 2,530,372, Nov. 21.

Böhm, Otto, Lovosice, assignor to Severoceske tukove zavody, narodni podnik, Usti nad Labem, Czechoslovakia. Production of sterols from oils, fats, and fatty acids. 2,516,834, Aug. 1.

Bohm, Paul E., Sr., South Bend, Ind. Pallet feeding device for concrete block machines. 2,515,438, July 18.

Bohman, Vincent F.: *See*—
Davis, Richard C., Bohman, and Germanton.

Bohmer, Clarence I.: *See*—
Jaeger, Gebhard, and Bohmer.

Bohmer, Clarence I., and E. Barker, assignors to The Jaeger Machine Company, Columbus, Ohio. Supporting and driving mixer drums. 2,511,240, June 13.

Bohmker, Thomas W., Geneseo, C. W. Walz, Rock Island, and J. H. Clark, assignors to Deere & Company, Moline, Ill. Beet harvester. 2,492,962, Jan. 3.

Bohmker, Thomas W., Geneseo, C. W. Walz, Rock Island, and J. H. Clark, assignors to Deere & Company, Moline, Ill. Beet harvester. 2,531,193, Nov. 21.

Bohn, Beatrice P., Sea Girt, N. J. Apparel carrier. 2,502,033, Mar. 28.

Bohn, Donald J., assignor to Aluminum Company of America, Pittsburgh, Pa. Induction heating control mechanism. 2,510,770, June 6.

Bohne, Frederick P., Salem Depot, N. H., assignor to Western Electric Company, Incorporated, New York, N. Y. Locking device. 2,523,806, Sept. 26.

Bohnsack, John A.: *See*—
Hopeman, Albert A., Jr., and Bohnsack.

Bohrer, George J., Troy, N. Y., assignor to General Electric Company. Vinyl halide resins plasticized with a dioctyl tetrachlorophthalate. 2,496,852, Feb. 7.

Bohuslav, Hans, Buffalo, N. Y. Cyclic combustion gas generator. 2,529,325, Nov. 7.

Boice, Elvin G., assignor to Reed Roller Bit Company, Houston, Tex. Tool joint wear collar. 2,513,621, July 4.

Boice, Elvin G., assignor to Reed Roller Bit Company, Houston, Tex. Torque induction mechanism. 2,516,748, July 25.

Boice, Howard, Newburgh, assignor to White Cloud Farms, Inc., Rock Tavern, N. Y. Fish lure. 2,512,913, June 27.

Boice, Howard, Newburgh, N. Y. Fish lure. 2,512,914, June 27.

Boiko, William, Washington, D. C. Rolling ball game apparatus. 2,534,404, Dec. 19.

Boiney, Joseph F.: *See*—
Shepard, Alvin F., and Boiney.

Boinot, Firmin and P. Gautier, Melle, assignors to Les Usines De Melle (Societe Anonyme), Saint-Leger-les-Melle, France. Converting unfermentable sugars in vinasse to fermentable sugars. 2,529,131, Nov. 7.

Boisseau, Alexander C., and J. W. Beatty, Lansdowne, Pa., assignors to General Electric Company. Control arrangement for electric circuit breakers. 2,522,984, Sept. 19.

Boisvert, Onésime, Oneyville, assignor to Edouard N. Roy, Pawtucket, R. I. Safety guard for planing machines. 2,521,499, Sept. 5.

Boisvert, Ubald, assignee: *See*—
Lamy, Armand.

Boland, Lee A., San Diego, Calif. Hog feeder. 2,500,270, Mar. 14.

Bolander, Bruce E., assignee: *See*—
Coleman, Buck R.

Bolander, Hans, Forest Hills, N. Y. Camera and sliding plate shutter therefor. 2,495,224, Jan. 24.

Bold, Ralph E.: *See*—
Timmerman, Julius W., Jr., and Bold.

Bold, Ralph E., Drexel Hill, Pa., assignor to General Electric Company. Circuit interrupting apparatus. 2,508,094, May 16.

Boldizzoni, Teobaldo G., New York, N. Y. Glove ironing machine. 2,511,455, June 13.

Boldizzoni, Teobaldo G., New York, N. Y. Machine for turning and pressing gloves. 2,511,456, June 13.

Bolduc, Emile P., Minneapolis, Minn., assignor of one-half to Tip-Top Products Company, Omaha, Nebr. Retaining clip. 2,505,273, Apr. 25.

Bolender, Augustus B., Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Hydrodynamic coupling. 2,494,539, Jan. 17.

Bolender, Augustus B., Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Torque converter. 2,503,025, Apr. 4.

Boles, Clarence M., Madera, Calif. Roving seat for barber and similar chairs. 2,524,187, Oct. 3.

Bolesky, John D., assignor to Metals & Controls Corporation, Attleboro, Mass. Thermostatic circuit breaker. 2,501,155, Mar. 21.

Bolesky, John D., Mansfield, Ohio, assignor to Metals & Controls Corporation, Attleboro, Mass. Thermostatic latch trip circuit breaker. 2,501,156, Mar. 21.

Bolesky, John D., Mansfield, assignor to A. Medert, trustee, Cleveland, Ohio. Combined plug and circuit breaker. 2,508,637, May 23.

Bolidens Gruvaktiebolag, assignor: *See*—
Lindblad, Axel R., Malmqvist, and Gustafsson.
Malmqvist, Johan D., Gustafsson, and Werner.

Bolin, Carleton H., deceased, Seattle, Wash.; J. R. Bolin, executrix of Carleton Bolin. Mercury switch for control compasses. 2,524,340, Oct. 3.

Bolin, Jessie R., executrix: *See*—
Bolin, Carleton H.

Bolin, Ralph G., Houston, Tex. Water and fuel heater. 2,528,998, Nov. 7.

Bolinger, George N., Shelbyville, Ill. Apparel belt. 2,499,717, Mar. 7.

Bolinger, George N., Shelbyville, Ill. Beaded barrette. 2,531,024, Nov. 21.

Bollaert, Armand R.: *See*—
Johnson, Wilbur E., and Bollaert.

Boller, Ernest R., Marion, Ind., L. D. Eubank, South Euclid, and C. A. Littler, Maple Heights, Ohio, assignors to E. I. Du Pont de Nemours & Company, Wilmington, Del. Cleaning and coating ferrous metal. 2,515,488, July 18.

Boller, Harry B.: *See*—
Woodward, Charles M., and Boller.

Boller, Henry A., Pontiac, Mich., assignor to Carter Carburetor Corporation, St. Louis, Mo. Carburetor nozzle. 2,512,085, June 20.

Bollerslev, Karl B.: *See*—
Meller, John G., and Bollerslev.

Bolley, Don S.: *See*—
Carter, Lawrence W., Hendricks, and Bolley.

Bolling, Carl: *See*—
Frederickson, Edward A., Bolling and Zinkil.

Bolling, Stewart, Cleveland, Ohio. Tilting head press. 2,496,771, Feb. 7.

Bolljahn, John T., Richmond, Calif. Broad band antenna. 2,505,751, May 2.

Bolmes, Henry G.: *See*—
Riemann, Howard C., and Bolmes.

Bolsey, Jacques, New York, N. Y. Photographic camera. 2,508,095, May 16.

Bolsey, Jacques, New York, N. Y. Exposure timing mechanism. 2,508,935, May 23.

Bolsey, Jacques, New York, N. Y. Cinematographic cameras having fading means. 2,515,330, July 18.

Bolt, Jay A., South Bend, Ind., and F. P. Jackson, Dayton, Ohio, assignors to Bendix Aviation Corporation, South Bend, Ind. Rotary fuel metering pump and emergency means insuring fuel feed upon pump failure. 2,531,664, Nov. 28.

Bolt, Robert O.: *See*—
Denison, George H., Jr., Furby, and Bolt.
McBee, Earl T., and Bolt.
Bolta Company, The, assignee: *See*—
Bolten, John, Jr.
Day, Everett E.
Boltax, Lillian: *See*—
Alten, Lillian.
Bolten, John, Jr., Andover, assignor to The Bolta Company, Lawrence, Mass. Apparatus for molding sliders for slide fasteners. 2,519,171, Aug. 15.
Bolten, John, Jr., Andover, assignor to The Bolta Company, Lawrence, Mass. Separable bottom stop mechanism for sliding clasp fasteners. 2,526,599, Oct. 17.
Bolten, John, Jr., Andover, assignor to The Bolta Company, Lawrence, Mass. Double-acting sliding clasp fasteners. 2,526,600, Oct. 17.
Bolton, Elmer K., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Poly-n-vinyl lactam photographic silver halide emulsions. 2,495,918, Jan. 31.
Bolton, Elmer K., and W. Kirk, Jr., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Polyamides and obtaining same. 2,512,606, June 27.
Boltson, Charles, assignor to one-half to David Willett, Brooklyn, N. Y. Stair traveling baby carriage. 2,506,292, May 2.
Bolz, Norman H., Euclid, assignor to The Paterson-Leitch Company, Cleveland, Ohio. Apparatus for helically coiling flat metal strips. 2,508,902, May 23.
Boman, James L., Eau Claire, Mich. Chain drive mechanism for side delivery rakes. 2,505,704, Apr. 25.
Bombard, John J., assignee: *See*—
Veigel, Clarence J.
Bombonato, Gottardo E., Geneva, Switzerland. Electric darning apparatus. 2,517,627, Aug. 8.
Bomford, Douglas R.: *See*—
McConnel, Frederic W., and Bomford.
Bomgren, Alex F., Stockholm, Sweden. Production of porous clinkers. 2,498,355, Feb. 21.
Bonadio, George A., Watertown, N. Y. Electronic discharge tube control. 2,533,760, Dec. 12.
Bonafide Mills, Inc., assignee: *See*—
Pesci, Thomas.
Rowe, William.
Bonanni, Henry, Exeter, Pa. Motor oil cooler. 2,502,554, Apr. 4.
Bonanno, Joseph L., Madison, N. J., assignor to The Lionel Corporation, New York, N. Y. Toy railroad car truck. 2,526,452, Oct. 17.
Bonanno, Joseph L., Madison, N. J., assignor to The Lionel Corporation, New York, N. Y. Combined electronic receiver and relay assembly. 2,526,453, Oct. 17.
Bonanno, Joseph L., Madison, N. J., assignor to The Lionel Corporation, New York, N. Y. Radio-frequency tuning assembly. 2,526,454, Oct. 17.
Bonanno, Joseph L., Madison, N. J., assignor to The Lionel Corporation, New York, N. Y. Relay. 2,526,455, Oct. 17.
Bonanno, Joseph L., Madison, N. J., assignor to The Lionel Corporation, New York, N. Y. Toy train controller. 2,526,456, Oct. 17.
Bonard, Claude, administrator: *See*—
Dreyfus, Henry.
Bonardi, Giusto F.: *See*—
Freedman, Samuel, and Bonardi.
Boncompain, François, Saint-Ouen, assignor to A. M. A. Ferté, Terny par Margival, France. Automatically controlled plant thinning and cultivating machine. 2,535,720, Dec. 26.
Bond, Cornelius C.: *See*—
Biddle, William P., and Bond.
Bond, Donald C., Northbrook, assignor to The Pure Oil Company, Chicago, Ill. Oxidation of mercaptans in the presence of c-nitroso aromatic compounds. 2,494,687, Jan. 17.
Bond, Donald C., Northbrook, assignor to The Pure Oil Company, Chicago, Ill. Catalytic oxidation of mercaptans. 2,535,833, Dec. 26.
Bond, Donald C., Northbrook, and M. Savoy, assignors to The Pure Oil Company, Chicago, Ill. Protecting metal surfaces against hydrogen sulfide corrosion. 2,510,771, June 6.
Bond, Donald C., Northbrook, and N. B. Russell, Winnetka, assignors to The Pure Oil Company, Chicago, Ill. Removal of acidic sulfur compounds from hydrocarbon oils. 2,525,583, Oct. 10.
Bond, Donald S., Camden, and L. E. Thompson, Merchantville, N. J., assignors to Radio Corporation of America. Radio relaying. 2,508,853, May 23.
Bond, Donald S., and G. G. Gerlach, Philadelphia, Pa., and L. E. Thompson, Merchantville, N. J., assignors to Radio Corporation of America. Fault locating for radio relay systems. 2,514,367, July 11.
Bond Foundry & Machine Company, assignee: *See*—
Noros, George C.
Bond, Fred C., West Allis, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Grinding mill control. 2,534,656, Dec. 19.
Bond, George R., Jr., Paulsboro, N. J., assignor to Houdry Process Corporation, Wilmington, Del. Molded contact masses. 2,507,496, May 16.
Bond, George R., Jr., Paulsboro, N. J., and G. A. Mills, Swarthmore, Pa., assignors to Houdry Process Corporation, Wilmington, Del. Catalystic polymerization of hydrocarbons. 2,527,522, Oct. 31.
Bond, John: *See*—
Sachs, Carrol C., and Bond.
Bond, John A., Houston, Tex., assignor to McCullough Tool Company, Los Angeles, Calif. Casing perforating gun. 2,530,805, Nov. 21.
Bond, Orval C., Santa Barbara, Calif. Flour sifter attachment for electric motors. 2,521,034, Sept. 5.
Bond, Raymond W.: *See*—
Carlson, Charles L., and Bond.
Bond, Walter L., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Holding fixture for crystals. 2,515,331, July 18.
Bond, William T., Richmond, Ind. Corn husker. 2,510,542, June 6.
Bondhus, Frances J.: *See*—
Johnson, Herbert L., and Bondhus.
Bondi, Arnold A., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Lubricating grease composition. Re. 23,243, June 20.
Bondi, Arnold A., New Orleans, La., assignor, by mesne assignments, to Shell Development Company, San Francisco, Calif. Process of and apparatus for cooling a lubricant. 2,527,789, Oct. 31.
Bønding, Andreas, Horsens, Denmark. Gaff for fishing. 2,506,407, May 2.
Bondley, Ralph J., Scotia, N. Y., assignor to General Electric Company. Electric discharge device construction. 2,523,750, Sept. 26.
Bonds, Marvin T., Orinda, T. A. Moore, Oakland, and E. D. Miller, Berkeley, Calif., said Miller assignor to said Bonds and said Moore. Apparatus for the preparation of printing blocks. 2,508,216, May 16.
Bonds, W. M., assignee: *See*—
Hill, Alvin.
Bondurant, Carlton W.: *See*—
Eden, William C., and Bondurant.
Bone, Geoffrey W.: *See*—
McLeod, Roderick Cristall, Callister, Watson and Bone.
Bone, Herbert L., Forest Hills, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway crossing gate having combined centrifugal clutch and brake. 2,505,940, May 2.
Bone, Herbert L., Forest Hills, Pa., G. L. Temple, Newfield, N. J., and J. W. Logan, Jr., Forest Hills, assignors to The Union Switch and Signal Company, Swissvale, Pa. Lock device for railway track switches and the like. 2,517,280, Aug. 1.
Bone, James G., assignor to The Power-Gas Corporation Limited, Stockton-on-Tees, England. Latch and mask engaging means for rectilinearly moving members. 2,498,256, Feb. 21.
Bonèt-Maury, Paul, Paris, France. Photometer. 2,524,303, Oct. 3.
Bongart, Marcel J. P.: *See*—
Brunjes, Austin S., and Bogart.
Bongiorni, James, assignor of thirty per cent to R. Baronick, Washington, Pa. Meat block scraping machine having spring pressed supporting wheels. 2,534,101, Dec. 12.
Bonham, Walter G., assignor of one-half to F. Vichek, Jr., Chicago, Ill. Combination incubator and brooder. 2,496,433, Feb. 7.
Bonham, William H., Metuchen, assignor to Nixon Nitration Works, Nixon, N. J. Continuous extrusion machine. 2,530,503, Nov. 21.
Bonin, George E., assignor to Simonds Machine Co., Inc., Southbridge, Mass. Edging machine. 2,508,009, May 16.
Bonkiewicz, Joseph S., Jr.: *See*—
Tullgren, Lester C., and Bonkiewicz.
Bonkowski, Teofil L., assignor to Merit Products, Inc., Los Angeles, Calif. Sanding block. 2,493,852, Jan. 10.
Bonkowski, Teofill L., Los Angeles, Calif. Toothpowder receptacle with resilient powder ejector. 2,519,539, Aug. 22.
Bonna, Louis, assignor to "Brevets Aero-Mecaniques S. A.", Geneva, Switzerland. Variable speed friction gearing. 2,506,195, May 2.
Bonnell, Walter L., Columbus, Ohio. Combination storm and screen sash construction. 2,512,298, June 20.
Bonnell, William S., Port Arthur, Tex., assignor to Gulf Oil Corporation, Pittsburgh, Pa. Hydrocarbon treatment and regeneration. 2,494,794, Jan. 17.
Bonnemort, Daniel E. A., Romainville, France. Double-spiral spring. 2,503,149, Apr. 4.
Bonner, Otto H., Lakewood, Ohio. Sash hanger. 2,498,978, Feb. 28.
Bonner, Tom W., Belmont, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Position locating method. 2,508,562, May 23.
Bonnet, Maurice, assignor to La Reliephographie, Société pour l'Exploitation des Procédés de Photographie en Relief Maurice Bonnet, Paris, France. Photographic images of the type having striated reflecting backs. 2,499,452, Mar. 7.

Bonnet, Maurice, assignor to La Reliephographie, Société pour l'Exploitation des Procédés de Photographie en Relief Maurice Bonnet, Paris, France. Lenticular picture element with reflecting back support. 2,499,453, Mar. 7.

Bonnet, Maurice, assignor to La Reliephographie, Société pour l'Exploitation des Procédés de Photographie en Relief Maurice Bonnet, Paris, France. Relief photograph having reflecting back. 2,500,511, Mar. 14.

Bonnet, Maurice, assignor to la Reliephographie, Société pour l'Exploitation des Procédés de Photographie en Relief Maurice Bonnet, Paris, France. Optical image device having lenticular elements. 2,501,258, Mar. 21.

Bonnet, Maurice, assignor to La Reliephographie, Societe pour l'Exploitation des Procédés de Photographie en releif Maurice Bonnet, Paris, France. Peristereoscopic apparatus for taking, reducing, or enlarging pictures. 2,506,131, May 2.

Bonnet, Maurice, assignaor to La Reliephographie, Societe pour l'Exploitation des Procedes de Photographie en Relief Maurice Bonnet, Paris, France. Peristereoscopic photographic apparatus. 2,508,487, May 23.

Bonnet, Maurice, assignor to La Reliephographie, Societe pour l'Exploitation des Procedes de Photographie en Relief Maurice Bonnet, Paris, France. Device for obtaining X-ray photographs in relief. 2,511,097, June 13.

Bonnet, Maurice, assignor to La Reliephographie, Société pour l'Exploitation des Procédés de Photographie en relief Maurice Bonnet, Paris, France. Composite photographic picture with reflecting back. 2,522,812, Sept. 19.

Bonnett, Gerson, Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for molding insulation about a cable splice. 2,497,757, Feb. 14.

Bonsack, Walter, Lyndhurst, and W. M. Weil, Shaker Heights, assignors, by mesne assignments, to W. M. Weil, Cleveland, Ohio. Smelting metals. 2,528,208, Oct. 31.

Bonsack, Walter, Lyndhrust, and W. M. Weil, Shaker Heights, assignors, by mesne assignments, to W. M. Weil, Cleveland, Ohio. Apparatus for smelting metals. 2,528,209, Oct. 31.

Bonsall, Robert S., United States Navy. Portable recording device. 2,523,340, Sept. 26.

Bonte, Frederick R., assignor to The Timken Roller Bearing Company, Canton, Ohio. Graphitic steel of controllable hardenability and article made therefrom. 2,519,627, Aug. 22.

Bonvillian, Claude A., Chattanooga, Tenn., R. C. Brierly, Narberth, Pa., and S. Letvin, Elmhurst, N. Y. Apparatus for the combustion of fuel. 2,500,925, Mar. 21.

Boock, Alfred C., and D. W. Erskine, Springfield, Ill., assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Tractor control mechanism. 2,533,872, Dec. 12.

Boody, Frederick J.: *See*—
Eldred, Wendell E., and Boody.

Boogaard, Willem, Zwolle, Netherlands. Electric push-button switch. 2,504,380, Apr. 18.

Booge, James E.: *See*—
Olson, Carl M., and Booge.

Booge, James E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Cooling gaseous suspensions of titanium dioxide in the preparation of titanium dioxide pigments from titanium tetrachloride. 2,508,272, May 16.

Booker, Veronica M., Seattle, Wash. Cooling tray for beverage glasses and the like. 2,515,367, July 18.

Boomer, Roy A.: *See*—
Olson, Olaf C., and Boomer.

Boon, Simon D.: *See*—
Bienfait, Henri, van den Blink, and Boon.
Van der Willigen, Paul C., and Boon.

Boone, Arthur M., Doucette, Tex. Device for supporting wallpaper to be hung. 2,511,040, June 13.

Boone, Gardiner S., Smithtown Branch, N. Y. Transferring device. 2,520,196, Aug. 29.

Boone, Nelson B., Jefferson County, Ky. Toothbrush rack. 2,513,077, June 27.

Boone, Paul D.: *See*—
Turk, Amos, and Boone.

Boonton Molding Company, assignee: *See*—
Sayre, Gordon B.

Boonton Radio Corporation, assignee: *See*—
Crosby, Murray G.

Boop, Joe E., McCordsville, Ind. Corn picker mounting frame. 2,520,622, Aug. 29.

Boor, Arthur: *See*—
Nickelsen, John M., Read, Spiess and Boor.

Boor, Francis H., La Fayette, Ind. Hob. 2,511,964, June 20.

Boorse, Henry A., Leonia, N. J., and G. F. Boeker, New York, N. Y., assignors to the United States of America as represented by the United States Atomic Energy Commission. Pump. 2,528,415, Oct. 31.

Boosey, Frederick R., assignor to The Sigma Instrument Company Limited, Letchworth, England. Electrical device for sorting articles according to dimensions. 2,523,555, Sept. 26.

Boosman, Herman B. R., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Transmitting-receiving circuit arrangement. 2,507,139, May 9.

Booth, Albert N.: *See*—
De Eds, Floyd, and Booth.

Booth, Douglas G.: *See*—
Pugh, Cyril A., and Booth.

Booth, Earl C., assignor to Noblitt-Sparks Industries, Inc., Columbus, Ind. Extension table for center insertion. 2,496,195, Jan. 31.

Booth, Earl C., assignor to Noblitt-Sparks Industries, Inc., Columbus, Ind. Extension table with center elevating leaf. 2,508,352, May 23.

Booth, Earl C., Columbus, Ind., assignor to Arvin Industries, Inc. Rheostat switch. 2,526,062, Oct. 17.

Booth, Edwin G., Canandaigua, N. Y. Carrot harvester. 2,518,596, Aug. 15.

Booth, Ernest, executor: *See*—
Cottrell, Jack A., and Hewitt, and Armitage.
Thynne, Arthur W. F., and Hewitt.

Booth, George M., Westfield, assignor to Wallace & Tiernan Co., Inc., Belleville, N. J. Slurry feeding apparatus. 2,508,987, May 23.

Booth, Harry T., assignor to United Aircraft Products, Inc., Dayton, Ohio. Automatic cutoff for damaged radiator sections. 2,501,709, Mar. 28.

Booth, Herbert G., Purchase, N. Y., assignor to David Traum Company, Incorporated. Skirt marker. 2,509,126, May 23.

Booth, Jack J., Dallas, Tex. Drink vending machine. 2,498,524, Feb. 21.

Booth, Jack J., Dallas, Tex. Mold for forming all plastic shoes. 2,499,565, Mar. 7.

Booth, Jack J., assignor to Zero Plate Company, Dallas, Tex. Two-temperature walk-in cooler. 2,526,063, Oct. 17.

Booth, James H., Corunna, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio. Ball joint. 2,494,739, Jan. 17.

Booth, James H., Corunna, Venice Township, Shiawassee County, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio. Front-wheel suspension. 2,521,335, Sept. 5.

Booth, James H., Detroit, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio. Steering gear. 2,494,738, Jan. 17.

Booth, James H., Detroit, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio. Propeller pitch adjusting device. 2,501,432, Mar. 21.

Booth, James H., Detroit, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio. Ball joint. 2,507,087, May 9.

Booth, James H., Detroit, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio. Wheel suspension. 2,509,803, May 30.

Booth, James H., Detroit, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio. Timer. 2,529,480, Nov. 14.

Booth, John G., Philadelphia, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Inductance device. 2,511,897, June 20.

Booth, John S., Dallas, Tex. Refrigerated vegetable display case and spray system. 2,533,913, Dec. 12.

Booth, Joseph S., Fort Worth, Tex. Two-temperature refrigerator. 2,495,626, Jan. 24.

Booth, Morris F., Alden, Mich. Educational Toy. 2,494,469, Jan. 10.

Booth, Morris F., Alden, Mich. Multiple temperature refrigeration. 2,528,574, Nov. 7.

Booth, Richard N. Wembley, England. Making cigarette papers. 2,512,414, June 20.

Booth, Samuel J., Cleveland, Ohio. Flashlight. 2,534,945, Dec. 19.

Booth, Stanley, Dedham, assignor to Expanded Rubber Company Limited, Croydon, England. Manufacture of expanded thermoplastic materials. 2,531,665, Nov. 28.

Boothe, James H., and R. B. Angier, Pearl River, assignors to American Cyanamid Company, New York, N. Y. Preparing organic acids. 2,524,422, Oct. 3.

Boothe, James H., Pearl River, and C. W. Waller, Nanuet, assignors to American Cyanamid Company, New York, N. Y. Oxadiazolopyrimidines and preparing the same. 2,534,897, Dec. 19.

Boothe, Zilmon J., Jr.: *See*—
Muldrow, Robert, III, and Boothe, Jr.

Boothroyd, Hubert, Leicester, England, assignor to United Shoe Machinery Corporation, Flemington, N. J. Shoe sewing machine. 2,525,858, Oct. 17.

Boothroyd, Wilson P., assignor to Philco Corporation, Philadelphia, Pa. Receiver for pulse-position-modulation systems. 2,499,844, Mar. 7.

Boothroyd, Wilson P., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Time interval indicating system. 2,503,320, Apr. 11.

Boothroyd, Wilson P., assignor to Philco Corporation, Philadelphia, Pa. Pulse generator and starting circuit therefor. 2,510,167, June 6.

Booton, Charles F., Anstey, assignor to The J. P. Engineering Company Limited, Leicester, England. Fixed cutter blade adjustment for lawn mowers. 2,511,457, June 13.
Boots, William C., Rumford, R. I., assignor to Foster Metal Products Incorporated, Attleboro, Mass. Wrist watch connector. 2,510,938, June 6.
Booz, Frederick B., Montreal, Quebec, Canada, assignor to Chicago Bridge & Iron Company. Sealing means for liquid storage tanks. 2,492,963, Jan. 3.
Bopp, Cecil W.: *See*—
Jirsa, Emil F., Hansen, and Bopp.
Bopp, Edward O.: *See*—
Bopp, Frederick W. and E. O.
Bopp, Frederick W., and E. O., Kansas City, assignors to Vertical Venetian Blind Company, Inc., Jackson County, Mo. Vertical blind. 2,520,272, Aug. 29.
Bopp, Frederick W. and E. O., Kansas City, Mo. Window shutter. 2,520,273, Aug. 29.
Bopp, Frederick W., and E. O. Kansas City, Mo. Window shutter. 2,524,372, Oct. 3.
Bopp, Frederick W., and E. O., Kansas City, Mo. Window shutter. 2,524,373, Oct. 3.
Bopp, Walter, Tucson, Ariz. Food macerator and liquifier. 2,531,250, Nov. 21.
Bor, Bruno J., Chicago, Ill. Sled construction. 2,532,887, Dec. 5.
Borberg, Willy, Astoria, N. Y., assignor to International Projector Corporation, Bloomfield, N. J. Support portable loud-speakers. 2,532,692, Dec. 5.
Borch, Niels S., Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y. Drum structure with cooling means. 2,507,295, May 9.
Borchardt, Lester F.: *See*—
Brastad, William A., and Borchardt.
Borcherdt, Gerald T., and H. S. Rothrock, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Compatibilized resin compositions. 2,509,857, May 30.
Borchers, Charles T., Shelbyville, Ind. Spring ejected toy vehicle. 2,522,160, Sept. 12.
Borchers, Charles T., Shelbyville, Ind. Removable body construction for toy vehicles. 2,528,852, Nov. 7.
Borchert, Clarence A., and R. H. Johnson, Weston, W. Va., said Johnson assignor to said Borchert. Fire polishing glassware. 2,507,433, May 9.
Bordelon, Lawrence J., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Pressure operated switch. 2,504,381, Apr. 18.
Borden Company, The, assignee: *See*—
Block, Richard J.
Corwin, John F., Calhoun, and Buzzo.
Koerver, Carl F.
Novotny, Emil E., and Vogelsang.
Novotny, Emil E., Vogelsang, and Novotny.
Turner, Willard, Elliott, and Richlin.
Borden, Earl N., Hillsboro, Tex. Napkin dispenser. 2,522,427, Sept. 12.
Borden, Perry A., Woodbury, assignor to The Bristol Company, Waterbury, Conn. Mean velocity indicator. 2,529,070, Nov. 7.
Borden, Warren A., Zion, Ill. Air cooling system for automotive vehicles. 2,495,090, Jan. 17.
Bordenca, Carl: *See*—
Wearn, Richard B., and Bordenca.
Bordewieck, Robert W.: *See*—
Moore, Raymond D., and Bordewieck.
Bordner, Charles A., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of olefinic compounds. 2,504,919, Apr. 18.
Bordner, Charles A., and C. G. Kamin, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of pyrrolidine. 2,525,584, Oct. 10.
Bordner, James P., Burbank, Calif., assignor, by mesne assignments, to Forms Incorporated. Artificial breast. 2,524,028, Oct. 3.
Bordo, Lambert J., North Willow Grove, Pa. Plug valve. 2,504,297, Apr. 18.
Borel, Joseph L. A., Paris, France, assignor to Societe "Rooy." Type action system for portable typewriters. 2,505,274, Apr. 25.
Borel, Joseph L. A., Paris, France, assignor to Societe "Rooy." Enclosing and supporting case for portable typewriters. 2,505,275, Apr. 25.
Borel, Pierre C., and M. R. Mauge, Boulogne-Billancourt, France, assignors to International Standard Electric Corporation, New York, N. Y. Line class detecting system. 2,504,959, Apr. 25.
Borell, George L., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Stabilizing apparatus for aircraft. 2,498,064, Feb. 21.
Borell, George L., Minneapolis, assignor to Economics Laboratory, Inc., St. Paul, Minn. Electronic controlled relay system. 2,525,016, Oct. 10.
Borenstein, Sidney, assignee: *See*—
Borisof, Bernard.
Boretti, Napoleon P., assignor to General Motors Corporation, Detroit, Mich. Lubricator for pneumatic tools. 2,524,878, Oct. 10.
Borg, George W., Corporation, The, assignee: *See*—
Fink, Jean.
Gibbs, Thomas B.
Gibbs, Thomas B., Gilman, and Laing.
Gibbs, Thomas B., Laing, and Warmey.
Newman, Herbert A.
Schmidt, Arnold W.
Smith Harold A.
Borg, Gustave A., Naugatuck, Conn. Nozzle. 2,525,640, Oct. 10.
Borg, Kenneth, Salt Lake City, Utah. Drafting device. 2,512,786, June 27.
Borg, Oscar F., Portland, Oreg. Garden shears. 2,532,220, Nov. 28.
Borg-Warner Corporation, assignee: *See*—
Anderson, Edmund B.
Armantrout, Kenneth M.
Baney, Harry N.
Baney, Harry N., Slentz, Kirkpatrick, and Brickley.
Bee, Clifford T.
Bolender, Augustus B.
Brower, William S.
Bruestle, Carl O.
Burns, Louis G.
Burtnett, Everett R.
Carnagua, Harold E., and Bareham.
Emmert, Arthur P.
Eytalis, Peter J.
Haberland, Frederick C.
Hannum, John A.
Harris, Cleo.
Hubacker, Earl F.
Kelbel, Donald W., Flinn and Orr.
Kelbel, Donald W., and Orr.
Kirkpatrick, Arlo A.
La Barre, Dwight.
La Barre, Dwight, and Keller.
Lauck, John A.
Lauck, John A., and Compton.
Le May, Braudice B.
McAninch, Herbert A.
McCulloch, Robert P.
McCulloch, Robert P., and Gudmundsen.
Neumann, George R., Farrell and Effinger.
Orr, Palmer.
Peters, Robert J.
Reed, Harold V.
Rockwell, Edward A.
Russey, Edward S.
Sheppard, William L.
Simpson, John M.
Vonk, Cornelius.
Zeidler, Reinhold C.
Borgeaud, Gaston: *See*—
Waldvogel, Jakob and Borgeaud.
Borgelt, Victor H., Wisner, Nebr. Scoop reset mechanism. 2,503,577, Apr. 11.
Borgerd, William F., Riverside, J. S. Palmer, Chicago, and L. H. Hinkel, Cicero, Ill., assignors to International Harvester Company. Spring balanced hinge. 2,500,057, Mar. 7.
Borgerd, William F., Riverside, Ill., assignor to International Harvester Company. Refrigeration apparatus control. 2,527,790, Oct. 31.
Borgerson, Fredrick W., Toledo, Ohio. Grinding or abrasive machine of the disk type. 2,526,928, Oct. 24.
Borghesan, Henri, Nice, France. Radiating panel for heating and cooling systems. 2,523,807, Sept. 26.
Borgos, William, New Haven, Conn. Work-spreading attachment for ironing machines. 2,508,096, May 16.
Borisof, Bernard, assignor of one-half to B. R. Berk and one-half to S. Borenstein, Chicago, Ill. Hanger and mechanical connection. 2,512,413, June 20.
Bork, Edward R., assignor to The Fyr-Fyter Company, Dayton, Ohio. Fire extinguisher. 2,518,656, Aug. 15.
Borkenhagen, Alfred C.: *See*—
Blanchard, Francis W., and Borkenhagen.
Borkland, Gustave W., Marion, Ind. Method and apparatus for drawing plastic sheet material. 2,530,043, Nov. 14.
Borkmann, Frank F., Union, N. J., assignor to American Can Company, New York, N. Y. Conveyer mechanism for upending articles. 2,508,368, May 23.
Borkmann, Frank F., Union, N. J., assignor to American Can Company, New York, N. Y. Conveyer mechanism for turning articles. 2,534,221, Dec. 19.
Borkowski, Alex N., Chicago Heights, Ill. Adapter for electrical boxes for wall installation. 2,514,176, July 4.
Borland, Bruce, Chicago, Ill. Car seal. 2,497,434, Feb. 14.
Born, Elroy W., assignor to The Maico Company, Incorporated, Minneapolis, Minn. Clip for hearing aid cases. 2,535,834, Dec. 26.
Borngraeber, Royce R.: *See*—
Hyland, William A., and Borngraeber.
Bornstein, Alfred B., Silver Spring, Md. Electromagnetically operating refrigeration compressor. 2,515,110, July 11.
Bornzin, James H.: *See*—
Raney, Russell R., and Bornzin.
Boros, Eugene: *See*—
Bevington, Julius J., Jr., and Boros.
Boroski, John A., Rayland, Ohio. Harrow attachment for tractor wheels. 2,505,276, Apr. 25.

Boroughs, Frank S., New York, assignor to Arrow Fastener Co., Inc., Brooklyn, N. Y. Hand stapler. 2,535,482, Dec. 26.

Borowick, Emma, New York, N. Y. Infant's stomach-binder and legging combination garment. 2,529,277, Nov. 7.

Borowick, Emma G., New York, N. Y. Brassiére. 2,529,276, Nov. 7.

Borrelli, Elmer F., Philadelphia, Pa. Shears. 2,520,905, Sept. 5.

Borresen, Nico, Los Angeles, Calif. Toy with movable figures. 2,514,356, July 11.

Borrowdale, Russell W., assignee: *See*—
Sutphen, Harry D.

Borrup, Frederick J., Stratford, Conn. Forming machine. 2,506,264, May 2.

Borrup, John J., West Hartford, Conn. Universal support for indicators. 2,529.071, Nov. 7.

Borsoff, Victor N., and J. O. Clayton, Berkeley, assignors to California Research Corporation, San Francisco, Calif. Foam inhibited oils. 2,528,465, Oct. 31.

Borsoff, Victor N., and J. O. Clayton, Berkeley, assignors to California Research Corporation, San Francisco, Calif. Foam inhibited oils. 2,528,466, Oct. 31.

Borsook, Henry, Pasadena, assignor of one-half to A. Sapiro, Los Angeles, Calif. Drying food. 2,510,543, June 6.

Borsos, Joseph, Dearborn, Mich. Electrolytic gas generator and power plant. 2,513,136, June 27.

Borst, Frank C., Oroville, Wash. Stirrup swivel attachment. 2,532,082, Nov. 28.

Borst, John M., Brooklyn, N. Y., assignor, by mesne assignments to Farnsworth Research Corporation. Frequency control system. 2,527,523, Oct. 31.

Borst, Lyle B., Oak Ridge, Tenn., assignor to the United States of America as represented by the United States Atomic Energy Commission. Mechanical coupling. 2,509,669, May 30.

Borst, Simon V., Oshkosh, Wis. Heat controlling system. 2,494,737, Jan. 17.

Borthayre, Jean L. A., Bayonne, France. Automatic lighter with elongated flint. 2,529,326, Nov. 7.

Bortner, William A., Baltimore, Md., W. W. Collins, Wilmington, Del., and E. J. Tousignan, Baltimore, assignors to The Glenn L. Martin Company, Middle River, Md. Cargo hoist. 2,529,908, Nov. 14.

Bortnick, Ephim, New York, N. Y. Tractor attachment for baby carriages. 2,493,613, Jan. 3.

Bortnick, Newman M.: *See*—
Butterbaugh, Darrel J., and Bortnick.

Bortnick, Newman M., assignor to Rohm & Haas Company, Philadelphia, Pa. Preparation of acroleins. 2,518,416, Aug. 8.

Borton, George W., Philadelphia, and S. D. Hartshorn, Wayne, assignors to Pennsylvania Crusher Company, Philadelphia, Pa. Preparing homogeneously partially polymerized particles of thermosetting material. 2,516,295, July 25.

Borton, William E., Omaha, Nebr. Form for concrete construction. 2,529,648, Nov. 14.

Borus, Ben, Hartsdale, N. Y., and G. A. Martin, East Alton, Ill., assignors to Shell Development Company, San Francisco, Calif. Carbon remover and metal surface cleaning composition. 2,509,197, May 30.

Borushko, Michael J., assignor to Harding Manufacturing Company Incorporated, Detroit, Mich. Coating process. 2,515,489, July 18.

Borzell, Angelo: *See*—
Borzell, John and Angelo.

Borzell, John and A., Pittston, Pa. Automobile support. 2,524,955, Oct. 10.

Borzner, Andrew C., Philadelphia, Pa. Space heater. 2,520,830, Aug. 29.

Borzykowski, Benno, New York, N. Y., assignor to Swiss "Borvisk" Company, Wilmington, Del. Continuous production of synthetic fibers. 2,494,468, Jan. 10.

Borzym, Alexander, Dearborn, Mich. Power press. 2,527,698, Oct. 31.

Boschi, Antonio, assignor to Pirelli Societa per Azioni, Milano, Italy. Sound and vibrationproof joint for metal tubing. 2,504,634, Apr. 18.

Bosh, James E., Berwyn, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Device for controlling the adjustment and operative actuation of impulse contacts in telephone dials. 2,503,541, Apr. 11.

Boshears, Raymond H., Little Rock, Ark. Fishing lure. 2,499,718, Mar. 7.

Bosket, Chester I., Union, assignor to International Business Machines Corporation, New York, N. Y. Toolholder. 2,510,544, June 6.

Bosma, Alfred S., New Holstein, Wis., assignor to Hart-Carter Company, Peoria, Ill. Outboard motor lubricating system. 2,496,434, Feb. 7.

Bosomworth, George P.: *See*—
Spencer, George A., and Bosomworth.

Bosomworth, George P., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Producing uniform low stretch cords. 2,514,187, July 4.

Bosonetto, Henry A., and W. N. Hedeman, Cincinnati, Ohio. assignors to National Lead Company, New York, N. Y. Injector. 2,513,622, July 4.

Boss, Edward J., assignee: *See*—
Kahn, Joseph N.

Boss, Joseph C., Clarendon, Va. Nebulizer. 2,494,504, Jan. 10.

Bossard, Werner: *See*—
Hindermann, Peter, Bossard, and Krebser.

Bossard, Werner, Riehen, and E. Keller, assignors to J. R. Geigy A. G., Basel, Switzerland. Polyazo dyestuffs. 2,507,754, May 16.

Bossard, Werner, Riehen near Basil, and M. Reding, assignors to J. R. Geigy A. G., Basel, Switzerland. Copperable disazo dyestuffs. 2,515,546, July 18.

Bossart, Paul N.: *See*—
Grondahl, Lars O., and Bossart.

Bossart, Paul N., Cheswick, assignor to The Union Switch & Signal Company, Swissvale, Pa. Communication system. 2,499,180, Feb. 28.

Bossart, Paul N., Cheswick, assignor to The Union Switch & Signal Company, Swissvale, Pa. Coupling unit for railway telephones. 2,502,122, Mar. 28.

Bossart, Paul N., Cheswick, and E. W. Marlowe, Wilkinsburg, assignors to The Union Switch and Signal Company, Swissvale, Pa. By-passing a fault of a line circuit and for telephoning to railway trains. 2,515,855. July 18.

Bossche, John V.: *See*—
Gee, Edwin A., and Bossche.

Bossetta, Gaspar R., New Orleans, La. Lifesaving device. 2,493,853, Jan. 10.

Bossetta, Gaspar R., New Orleans, La. Selector-type book reel and cabinet. 2,525,165, Oct. 10.

Bossi, Alfred, Bottmingen, near Basel, Switzerland. Machine for the production of packaging inlays. 2,525,202, Oct. 10.

Bossmeyer, Charles L., Stratford, Conn., assignor to Dictaphone Corporation, New York, N. Y. Article for filing flexible recording belts. 2,506,058, May 2.

Bosson, Eric M.: *See*—
Lee, David C. R., Bosson, and Vokes.

Bost, Cecil T., assignor to Hickory Manufacturing Company, Hickory, N. C. Lumber stacking apparatus. 2,522,813, Sept. 19.

Bost, Charles H., Lake Wales, Fla. Terminal box assembly for polyphase electric motors with changeable connections. 2,507,242, May 9.

Bost, Georges L. A.: *See*—
Fluchaire, Maurice L. A., and Bost.

Bost, Henry A.: *See*—
Hathaway, Stanley, and Bost.

Bost, Ralph W., Chapel Hill, N. C., and R. S. Shelton, Mariemont, assignors to The Wm. S. Merrell Company, Cincinnati, Ohio. 2-(p-isothiocyanobenzenesulfonamido)-pyrimidine. 2,517,760, Aug. 8.

Bostany, Cecil A., Birmingham, Ala. Illuminated telephone dial and ringing circuit. 2,522,701, Sept. 19.

Bostian, Homer C., Perinton, assignor of one-third to I. Whiteman and one-third to G. E. Winter, Rochester, N. Y. Spring clip for spectacle cases and other receptacles. 2,514,834, July 11.

Bostitch, Inc., assignee: *See*—
Lindstrom, Charles M.
Maynard, Arthur H.
Whalen, Joseph D. A.

Boston Marine Works, Inc., assignee: *See*—
Chase, Curtis D.

Boston Safe Deposit and Trust Company, executor: *See*—
Wells, George W.

Boston Varnish Company, assignee: *See*—
Bradley, John J., Jr.

Boston Woven Hose and Rubber Company, assignee: *See*—
Bierer, John M.
Knowland, Thomas M.
Knowland, Thomas M., and Currier.
Marcy, Grosvenor D.

Bostroem, Theodore, Paris, France. Thermic treatment of metals, chiefly of light alloys. 2,525,203, Oct. 10.

Boswau, Hans P.: *See*—
Reid, Alexander C., and Boswau.

Boswell, Ian I., Newport Pagnell, England. Connector or terminal member. 2,521,822, Sept. 12.

Bosworth, Blake B., Dayton, Ohio. Tank heater. 2,527,115. Oct. 24.

Bosworth, Stephen: *See*—
Nelson, James E., Bosworth, Percy, Balne and Holman.

Bosworth, William C.: *See*—
Almond, John R., and Bosworth.

Botany Worsted Mills, assignee: *See*—
Haigh, Frederick R., Koerner, and Ehrhardt.
Stec, Bernard V.
Weinpel, George C.

Botensten, Roy L., Chicago, Ill. Portable electric lantern with writing pad attachment. 2,528,416, Oct. 31.

Boterweg, Dirk, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Coil support. 2,497,204, Feb. 14.

Both, Edward T., Cremorne, near Sydney, assignor to Automatic Totalisators Limited, Meadowbank, near Sydney, New South Wales, Australia. Odds computing means for race totalizators. 2,532,693, Dec. 5.

Both, Stanley C., Hamburg, N. Y. Cigarette dispenser. 2,503,090, Apr. 4.

Bothe, Werner H., Kenosha, assignor to Worldsbest Industries, Inc., Cudahy, Wis. Curtain stretcher corner structure. 2,519,628, Aug. 22.

Botimer, Lloyd, Vassar, Mich. Beet harvester. 2,509,757, May 30.
Botke, William A.: *See*— Zimmerman, Albert E., and Botke.
Botkin, Carl, Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Diazotype coating solution for plastic carriers. 2,496,196, Jan. 31.
Botner, John L., and W. R. Vaughn, Louisville, Ky. Hogshead. 2,502,504, Apr. 4.
Bott, Frederick V., Detroit, Mich. Rotary lawn rake. 2,525,090, Oct. 10.
Bottoms, Robert R., Crestwood, Ky., assignor to National Cylinder Gas Company, Chicago, Ill. Temperature responsive device. 2,517,628, Aug. 8.
Bottorf, William H., St. Petersburg, Fla. Hair drying unit. 2,528,335, Oct. 31.
Bottos, Alexander J., Gary, Ind. Apparatus for cutting strip material. 2,503,994, Apr. 11.
Botts, Robert E., Blue Earth, Minn., and L. F. Young, Chaffee, Mo. Buffer spring assembly for automatic firearms. 2,504,958, Apr. 25.
Bouchard, Charles S., Wellesley, assignor to Lewis-Shepard Company, Watertown, Mass. Stabilized load-lifting power-actuated truck. 2,494,505, Jan. 10.
Bouchard, Gaston R., Saint Germain en Laye, France. Device for converting motion. 2,532,254, Nov. 28.
Bouchard, George H., Ipswich, assignor to Sylvania Electric Products Inc., Salem, Mass. Producing cathode coating compositions. 2,535,999, Dec. 26.
Bouchard, Louis J., assignor to Dual Mfg. and Engineering Co., Holyoke, Mass. Tool mechanism. 2,493,473, Jan. 3.
Bouchard, Orezul, Kirkland Lake, Ontario, Canada. Portable log-debarker having swingable frame mounting a driven feed wheel. 2,498,786, Feb. 28.
Boucher, Charles P., and R. W. Keiser, assignors to Boucher and Keiser Company, Atlanta, Ga. Tubular electric lamp. 2,496,374, Feb. 7.
Boucher, Charles P., and R. W. Keiser, assignors to Boucher and Keiser Company, Atlanta, Ga. Negative reactance lamp system. 2,496,981, Feb. 7.
Boucher, Cormack E., Seattle, Wash. Film holder. 2,494,740, Jan. 17.
Boucher, Cormack E., Seattle, Wash. Method and apparatus for locating welds in hollow metal bodies. 2,532,536, Dec. 5.
Boucher, Emile G., Baltimore, Md. Jar and tumbler cap lifting and removing tool. 2,493,438, Jan. 3.
Boucher, Emile G., Baltimore, Md. Pry type jar cap remover. 2,501,204, Mar. 21.
Boucher, Emile G., Baltimore, Md. Removing tool for vacuum jar caps. 2,501,205, Mar. 21.
Boucher and Keiser Company, assignee: *See*— Boucher, Charles P., and Keiser.
Bouchet, Georges, Bellevue, assignor to Societe "Quartz & Silice," Paris, France. Optical pyrometer. 2,494,607, Jan. 17.
Bouck, Harold W., Hobart, Ind., assignor to Carnegie-Illinois Steel Corporation. Apparatus for removing scale. 2,535,890, Dec. 26.
Boucraut, Louis, Troyes, assignor to Societe a responsabilite Limitee Le Maille Souple, Paris, France. Method and device for the winding of elastic threads. 2,514,691, July 11.
Boudousquie, Angelo A., Sr., New Orleans, La. Form for concrete construction. 2,506,485, May 2.
Boudreau, Alban M., assignor to Hedstrom-Union Company, Gardner, Mass. High chair tray. 2,522,087, Sept. 12.
Boudreau, Girard E., Clinton, Iowa, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Apparatus for packaging cigars in layers with the cigars in one layer staggered with respect to cigars in adjacent layers. 2,493,221, Jan. 3.
Bouget, Yves A., West Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Elevator for reels. 2,503,995, Apr. 11.
Bouget, Yves A., West Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Tension control mechanism for use in material serving heads. 2,507,296, May 9.
Bouget, Yves A., West Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Tension equalizing apparatus. 2,507,297, May 9.
Boughey, Jeremiah J., Chicago, assignor of one-third to J. R. Abell, Evanston, and one-third to G. E. Semple, Park Ridge, Ill. Foot shield. 2,523,494, Sept. 26.
Boughey, Jeremiah J., Chicago, assignor of one-third to J. R. Abell, Evanston, and one-third to G. E. Semple, Park Ridge, Ill. Foot shield. 2,523,495, Sept. 26.
Boughman, Guy A., assignor to Boughman Machine Company, Lenoir, N. C. Wood waste disposal apparatus. 2,496,146, Jan. 31.
Boughman Machine Company, assignee: *See*— Boughman, Guy A.
Boughtwood, John E., Brooklyn, N. Y., and A. E. Michon, Summit, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Frequency diversity telegraph system. 2,497,859, Feb. 21.
Bouhier, Louis, Paris, France. Mechanical pencil having different leads selectable from magazines therein. 2,520,796, Aug. 29.
Bouldin, Joseph W., Los Angeles, Calif. Universal plumbing fitting. 2,499,900, Mar. 7.
Boulger, Morse Destructor Company, assignee: *See*— Mannheim, Louis R.
Bouligny, R. H., Inc., assignee: *See*— Rowe, Oliver R., King, and Stolp. Rowe, Oliver R., and Stolp.
Boulton, Carson B., Oklahoma City, Okla. Resurfacing piston chambers. 2,500,340, Mar. 14.
Boulton, Robert E., Rifle, Colo. Side-delivery shovel attachment for tractors. 2,514,622, July 11.
Bour, Robert C., assignor to National Cylinder Gas Company, Chicago, Ill. Porous composition of matter and preparing the same. 2,502,409, Apr. 4.
Bourdillon, Annette M.: *See*— Allan, Barbara E., and Bourdillon.
Bourdon, Pierre M., Paris, assignor to Manufacture de Caoutchouc Michelin (Puiseux, Boulanger & Cie), Clermont-Ferrand, France. Pneumatic tire. 2,493,614, Jan. 3.
Bourdon, Pierre M., Paris, assignor to Manufacture de Caoutchouc Michelin (Puiseux, Boulanger & Cie) Clermont-Ferrand (Puy-de-Dome), France. Valve for tires. 2,495,955, Jan. 31.
Bourdon, Pierre M., Paris, assignor to Manufacture de Caoutchouc Michelin (Puiseux, Boulanger & Cie), Clermont-Ferrand, France. Elastic pivot for railroad and the like vehicles. 2,499,087, Feb. 28.
Bourgonjon, Louis R.: *See*— Kleis, Derk, van Tol, Bourgonjon, and Sloof.
Bourgonnier-Brichaux, Marguerite L. J., executrix: *See*— Bourgonnier, Claude.
Bourgonnier, Claude, deceased, by M. L. J. Bourgonnier-Brichaus, executrix, Paris, France, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Rotating field radio beacon. 2,500,793, Mar. 14.
Bourke, Thomas N., Grosse Pointe, Mich. Seal structure for controlling flow of liquids. 2,526,629, Oct. 24.
Bourke, Thomas N., Grosse Pointe, Mich. Seal device for containers. 2,526,630, Oct. 24.
Bourland, Eli, Millbrae Highlands, assignor to Pacific Can Company, San Francisco, Calif. Can unscrambler. 2,530,419, Nov. 21.
Bourland, Joseph M., assignor of one-half to T. J. Bourland, Richmond, Calif. Continuous high-pressure steam retort and sterilizer. 2,517,833, Aug. 8.
Bourland, Thomas J., assignee: *See*— Bourland, Joseph M.
Bourn, Leslie E. A., Ashford, England. Electrical musical instrument. 2,507,884, May 16.
Bourn, Leslie E. A., Ashford, England. Electrical musical instrument. 2,522,923, Sept. 19.
Bourne, John P., Jr., San Francisco, Calif. Motor vehicle electrical system. 2,515,819, July 18.
Bourne, Roland B., West Hartford, assignor to The Maxim Silencer Company, Hartford, Conn. Water separator silencer. 2,498,979, Feb. 28.
Bourne, Roland B., West Hartford, assignor to The Maxim Silencer Company, Hartford, Conn. Plow elevating mechanism. 2,513,231, June 27.
Bourne, Roland B., West Hartford, assignor to The Maxim Silencer Company, Hartford, Conn. Water-cooled silencer. 2,516,948, Aug. 1.
Bourne, Roland B., West Hartford, assignor to The Maxim Silencer Company, Hartford, Conn. Muffler with inner sound-absorbing tube. 2,516,949, Aug. 1.
Bourne, Roland B., West Hartford, and A. E. Chase, Elmwood, assignors to The Maxim Silencer Company, Hartford, Conn. Manifold silencer with plural lateral inlets and outlets. 2,513,229, June 27.
Bourne, Roland B., West Hartford, and L. E. Knapp, Wethersfield, assignors to The Maxim Silencer Company, Hartford, Conn. Sidewalk snowplow. 2,513,230, June 27.
Bourne, William G., assignor to Rotax Limited, London, England. Electric switch. 2,506,196, May 2.
Bourne, William G., Acton, London, assignor to Rotax Limited, London, England. Electric switch. 2,516,670, July 25.
Bourne, William G., assignor to Rotax Limited, London, England. Electric circuit breaker. 2,519,629, Aug. 22.
Bournique, Clarence E.: *See*— Molyneux, John C., and Bournique.
Bourns, Marlan E., Altadena, Calif. Pressure responsive rheostat. 2,497,974, Feb. 21.
Bourns, Marlan E., Altadena, Calif. Pulse-time modulation circuits and methods. 2,510,060, June 6.
Bourns, Marlan E., Altadena, Calif. Adjustable resistor. 2,515,980, July 18.
Bourns, Marlan E., Altadena, Calif. Adjustable resistor. 2,515,981, July 18.
Bourque, Philip, and M. Kiilunen, Detroit, Mich. Arc welding electrode. 2,520,112, Aug. 29.
Bourquin, Edgar, Los Angeles, Calif. Clock mounting means. 2,532,599, Dec. 5.
Bouska, Edward F., Hinsdale, Ill. Vibratory seeder. 2,525,641, Oct. 10.
Bouska, Marie, executrix: *See*— Bouska, Richard.
Bouska, Richard, deceased, Sioux Narrows, Ontario, Canada; M. Bouska, executrix of said R. Bouska. Cooling system for internal-combustion engines. 2,523,414, Sept. 26.

Bousky, Samuel, Shaker Heights, assignor, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Bolometer type telemetric system. 2,496,575, Feb. 7.

Bousky, Samuel, Shaker Heights, assignor to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Compressor. 2,513,912, July 4.

Bousquet, Euclid W., Wilmington, Del., J. H. Cochran, Clemson, S. C., and C. J. Krister, Claymont, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Miticidal compositions comprising a 2,2-bis(para-alkoxyphenyl)-propane. 2,504,382, Apr. 18.

Bousseau, Pierre. *See*—
Labby, Leon, and Bousseau.

Boutin, Arthur J., Detroit, Mich. Saw sharpening machine. 2,519,735, Aug. 22.

Bouton, George M., Madison, K. M. Olsen, Summit, and E. E. Schumacher, Maplewood, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Lead base alloy body and producing same. 2,499,566, Mar. 7.

Bouton, George M., Madison, and G. S. Phipps, Chatham, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sealing method for wiped joints. 2,508,488, May 23.

Bouton, George M., Madison, and G. S. Phipps, Chatham, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Analysis and control of the composition of lead alloys. 2,517,380, Aug. 1.

Boutwell, Arthur R., Evansville, Ind. Fertility and sterility indicator. 2,512,915, June 27.

Bouvier, Maurice E., St.-Didier au Mont d'Or, assignor to Societe des Usines Chimiques Rhone-Poulenc, Paris, France. 4-Methylene amino-pyrazolone derivative. 2,499,265, Feb. 28.

Bouvier, Maurice E., Saint-Didier au Mont d'Or, assignor to Societe des Usines Chimiques Rhone-Poulenc, Paris, France. Preparation of N-methyl p-aminophenol. 2,507,192, May 9.

Bouvier, Maurice E., St.-Didier au Mont d'Or, assignor to Societe des Usines Chimiques Rhone-Poulenc, Paris, France. Production of dimethylaminoantipyrines. 2,525,518, Oct. 10.

Bouwers, Albert, Delft, Netherlands, assignor to N. V. Optische Industrie "De Oude Delft." Camera with catadioptric optical system. 2,503,319, Apr. 11.

Bouwers, Albert, assignor to N. V. Optische Industrie "De Oude Delft," Delft, Netherlands. Reflex camera with catadioptric optical system. 2,504,384, Apr. 18.

Bouwers, Albert. J. Becker, and A. H. van Gorcum, assignors to N. V. Optische Industrie "De Oude Delft," Delft, Netherlands. Reflecting type telescope having a spherical mirror. 2,504,383, Apr. 18.

Bov, Raphael F.: *See*—
Herscher, Marcus B., and Bov.

Bove, Charles, New York, N. Y. Nasal appliance. 2,515,756, July 18.

Bovee, Ransom Y., Van Nuys, Calif. Creating power. 2,528,813, Nov. 7.

Bovey, Donald E., West Albany, N. Y., assignor to General Electric Company. Sorting metallic articles. 2,495,627, Jan. 24.

Bowan, Walter J., and F. Tratzik, assignors to Mueller Co., Decatur, Ill. Valve. 2,510,494, June 6.

Boward, Nellie M., Richmond, Va. Playing card holder. 2,520,490, Aug. 29.

Bowcott, Robert W., Columbus, Ohio, assignor to Curtiss-Wright Corporation. Airplane flap extension. 2,526,929, Oct. 24.

Bowden, John L., United States Army. Shorting system for radio coils. 2,493,746, Jan. 10.

Bowden, Norman E., and K. O. Bundy, Dallas, Tex. Ticket issuing machine. 2,511,041, June 13.

Bowder, David H., Attleboro, Mass., assignor to Swank, Inc. Necktie holder. 2,500,114, Mar. 7.

Bowditch, Hoel L., assignor to The Foxboro Company, Foxboro, Mass. Recording instrument mechanism. 2,534,569, Dec. 19.

Bowditch, Hoel L., Jamaica Plain, assignor to The Foxboro Company, Foxboro, Mass. Device for adjusting angular relationship. 2,500,657, Mar. 14.

Bowditch, Hoel L., Jamaica Plain, assignor to Foxboro Company, Foxboro, Mass. Reversible air-operated motor. 2,536,000, Dec. 26.

Bowe, Hugo M.: *See*—
Yourglich, Mildred M., and Bowe.

Bowen, Arnold E., Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Ultra high frequency electronic device. 2,530,373, Nov. 21.

Bowen, Arnold E., Fair Haven, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Rotatable vane type attenuator with plug in or out elements. 2,531,194, Nov. 21.

Bowen, Charles E., assignor to International Electrolytic Plant Company Limited, Sandycroft, Chester, England. Electrolytic cell. 2,522,661, Sept. 19.

Bowen, Claude T., Kent, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Method and apparatus for making hard thermoplastic tube assemblies. 2,529,863, Nov. 14.

Bowen, Dwain B., Watertown, and A. M. Clogston, Cambridge, Mass., assignors, by mesne assignments, to the United States of America as represented by the Secretary of War. Tunable oscillator. 2,527,699, Oct. 31.

Bowen, Edward G., Cambridge, Mass., D. Taylor, Malvern, and K. G. Budden, Salisbury, assignors to the Minister of Supply in His Majesty's Government of Great Britain and Northern Ireland, London, England. Radio locating apparatus. 2,512,086, June 20.

Bowen, Hugh S., Fairfield, Ala., assignor of forty-nine per cent to W. B. Bowen, El Paso, Tex. Arc spot welding apparatus. 2,498,241, Feb. 21.

Bowen, Kermit A., La Mesa, Calif. Robo-chord. 2,521,686, Sept. 12.

Bowen, Leslie G., Evanston, assignor to Dispenso Valve Corporation, Chicago, Ill. Dispensing valve for material under pressure. 2,513,272, July 4.

Bowen, Robert E., assignor to North Carolina Pulp Company, Plymouth, N. C. Stock controller. 2,498,876, Feb. 28.

Bowen, Thomas E., Birmingham, Ala., assignor to Empire Industries, Inc., New York, N. Y. Drop bottom mine car. 2,503,706, Apr. 11.

Bowen, Tom, assignor to Pullars Instruments Limited, (formerly Pullars Electric Co. (Brighton) Limited), Brighton, England. Mounting for flexible capsules for operating transmissions. 2,529,909, Nov. 14.

Bowen, Walter B., assignee: *See*—
Bowen, Hugh S.

Bower, Ernest A., St. Joseph, Mich. Picnic and utility table. 2,522,774, Sept. 19.

Bower, George D.: *See*—
Dube, John E., MacDougall, and Bower.

Bower, George D., University City, Mo., assignor, by mesne assignments, to Missouri Automatic Control Corporation. High-low control for pot-type burners. 2,504,174, Apr. 18.

Bower, George D., assignor to Alco Valve Company, University City, Mo. Thermal limit valve. 2,508,010, May 16.

Bower, Howard S.: *See*—
Marshall, John T., and Bower.

Bower, Howard S., assignor to Bendix Aviation Corporation, South Bend, Ind. Nozzle. 2,531,666, Nov. 28.

Bower, James A., Chester, W. Va., assignor to Taylor, Smith & Taylor Company. Treatment of molds for making ceramic ware. 2,498,149, Feb. 21.

Bower, James A., Chester, W. Va., assignor to The Taylor, Smith & Taylor Company, East Liverpool, Ohio. Ware removing and fettling mechanism for pottery fabricating machines. 2,510,678, June 6.

Bower, James A., Chester, W. Va., assignor to The Taylor, Smith & Taylor Company, East Liverpool, Ohio. Mold for pottery fabricating machines. 2,526,993, Oct. 24.

Bower, John L.: *See*—
Pettibone, George H., and Bower.

Bower, John O., Wyncote, Pa. Surgical suture and method. 2,493,943, Jan. 10.

Bower, John O., Wyncote, Pa. Hemoglobin solution and method. 2,527,210, Oct. 24.

Bower, Justus H., Berkeley Heights, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Stand-by battery system. 2,534,542, Dec. 19.

Bower, Kenneth L., Norfolk, Va. Building and picture projection device. 2,521,823, Sept. 12.

Bower, Robert J.: *See*—
Young, John, Jr., and Bower.

Bower, Russell B.: *See*—
Nichols, Charles A., Bower, Edwards, Fletcher, McCoy, Sample, and Weiser.

Bower, Scott V., Warren, Ohio. Fire extinguisher. 2,522,088, Sept. 12.

Bowerman, Hulie E., Grand Prairie, Tex. Well swab. 2,518,275, Aug. 8.

Bowers, Benjamin N., Pittsfield, Mass., assignor to General Electric Company. Swiveled insulating bushing. 2,525,444, Oct. 10.

Bowers, Frederick M., Providence Road, assignor to The Fibre-Metal Products Company, Chester, Pa. Adjustable headband for headgear. 2,503,432, Apr. 11.

Bowers, Frederick H., Kalamazoo, Mich. Package. 2,523,415, Sept. 26.

Bowers, Frederick H., Kalamazoo, Mich. Combined tobacco-smoking pipe and pyrophoric lighter. 2,529,278, Nov. 7.

Bowers, Herbert L., Clarence, assignor to Bell Aircraft Corporation, Wheatfield, N. Y. Wing lift modification means. 2,500,512, Mar. 14.

Bowers, Herbert L., and R. A. Wolf, Kenmore, assignors to Bell Aircraft Corporation, Wheatfield, N. Y. Jet power unit mounting. 2,516,671, July 25.

Bowers, Leslie M., Rosemead, Calif. Unitary valve assembly for flush tanks. 2,527,909, Oct. 31.

Bowers, Oscar R., assignor to The Burdick Corporation, Milton, Wis. High-frequency diathermy applicator. 2,509,417, May 30.

Bowers, Raymon: *See*—
Buck, Foster, Barbknecht, and Bowers.

Bowers, Raymond A., Princeton, N. J. Door. 2,507,497, May 16.

Bowersox, Joseph W., St. Petersburg, Fla., assignor to Sealy, Incorporated, Memphis, Tenn. Apparatus and method for making cushions. 2,493,652, Jan. 3.

Bowes Instrument Co., Inc., assignee: *See*—
Schulte, Fritz.
Bowes, Leslie H., Wadsworth, Ohio, assignor, by mesne assignments, to Morton Salt Company, Chicago, Ill. Hopper closure for filling machine with external bag clamps, which lifts and spreads bags upon being opened. 2,511,241, June 13.
Bowes, Thomas D., Cynwyd, Pa. Ship's cargo loading gear. 2,512,477, June 20.
Bowes, Thomas M.: *See*—
Schaefer, Walter S., and Bowes.
Bowie, Augustus J., San Francisco, Calif. Electrical switch. 2,526,845, Oct. 24.
Bowie, Frank W., and E. N. Sturdevant, Binghamton, N. Y. Vehicle body and fender straightening apparatus. 2,509,330, May 30.
Bowie, Gordon O., Spartanburg, S. C. Separable button. 2,502,034, Mar. 28.
Bowker, Walter, assignor of one-third to A. Knowles, Fall River, Mass. Rocking toy. 2,518,747, Aug. 15.
Bowles, Percy: *See*—
Levers, James F., Patchett, and Bowles.
Bowling Patents Management Corporation, assignee: *See*—
Schmidt, Gottfried J.
Bowling, Robert B., and L. R. Bennett, assignors, by direct and mesne assignments, of one-half to said Bowling and one-half to Frank Coures, Hamilton, Ohio. Self-feeding applicator. 2,498,980, Feb. 28.
Bowlzer, Alfred H., South Gate, Calif. Swing jig. 2,512,787, June 27.
Bowman, David F., Bayside, N. Y., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Impedance-transforming arrangement. 2,526,846, Oct. 24.
Bowman, Glade B.: *See*—
Hammond, Milton B., and Bowman.
Bowman, Horace J., Los Angeles, Calif. Air borne extinguishing equipment. 2,504,247, Apr. 18.
Bowman, Hyman D., Raleigh, N. C. Well heater. 2,500,513, Mar. 14.
Bowman, Irwin C.: *See*—
Golding, James L., Bowman, and Comerford.
Bowman, James L., Eau Claire, Mich. Side delivery rake. 2,497,717, Feb. 14.
Bowman, John M., and P. D. Bradfield, Santa Ana, Calif. Tractor fender. 2,528,683, Nov. 7.
Bowman, John R., assignor to Gulf Research & Development Company, Pittsburgh, Pa. Dipole moment indicator and control. 2,499,626, Mar. 7.
Bowman, John R., Pittsburgh, Pa., assignor to Gulf Research & Development Company. Apparatus for the separation of gaseous mixtures. 2,500,240, Mar. 14.
Bowman, John R., and W. P. Ridenour, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Wax compositions. 2,506,059, May 2.
Bowman, Melville B., Jr., Belvedere, Calif. Signal device. 2,521,280, Sept. 5.
Bowman, Melvin L., Sierra Madre, Calif. Float control for automatic washers. 2,499,454, Mar. 7.
Bowman, Norman J.: *See*—
Coover, Harry W., and Bowman.
Dickey, Joseph B., Bowman and Stuckwisch.
Bowman, Reginald M., Baltimore, Md. Pendulum scale. 2,508,011, May 16.
Bowman, Richard V., Drexel Hill, Pa. Erasure attachment for typewriters. 2,525,063, Oct. 10.
Bowman, Samuel, Oakland, Calif. Canned food cooker reel. 2,510,618, June 6.
Bowman, Virgil R.: *See*—
Salinger, Hans W. G., and Bowman.
Bowman, Wade W., Los Angeles, Calif. Coin separator. 2,527,174, Oct. 24.
Bowman, William A., Baltimore, Md. Combined storm window awning and screen. 2,513,278, July 4.
Bowman-Manifold, Michael: *See*—
Cork, Edward C., and Bowman-Manifold.
Bowne, Langford J., Howard Beach, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Private branch exchange system with means for preventing interference from unbalance conditions. 2,502,820, Apr. 4.
Bowne, Langford J., Saugerties, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system having preset transmitter. 2,534,850, Dec. 19.
Bowser, Inc., assignee: *See*—
Griffith, Clement P.
Griffith, Clement P., and Marvel.
Harvuot, Frank B.
Marvel, Harvey E.
Bowser, Percy L.: *See*—
Venner, William M., and Bowser.
Bowser, Percy L., Jr.: *See*—
Venner, William M., and Bowser.
Bowser, Virgil C., Silver Spring, Md. Automobile parking garage. 2,511,619, June 13.
Bowsman, Harry O., Elgin, Ill. Furnace, including ash-pit air pressure responsive grate dumping means. 2,498,787, Feb. 28.
Bowyer-Lowe, Albert C., and E. R. Peach, assignors to Pye Limited, Cambridge, England. Electric attenuator. 2,493,653, Jan. 3.
Box, E. O., Jr.: *See*—
Ray, Gardner C., and Box.
Boxart Machine Company, assignee: *See*—
Haas, Frank J.
Boxer, Martin W., Bronx, N. Y. Gear pump type variable speed liquid drive. 2,498,733, Feb. 28.
Boxmeyer, Charles H.: *See*—
Hardman, Ralph W., and Boxmeyer.
Boxrud, Alf M., Minneapolis, Minn. Electric space heater. 2,530,806, Nov. 21.
Boyajian, Aram, Pittsfield, Mass., assignor to General Electric Company. Age indicating device for electrical apparatus. 2,505,521, Apr. 25.
Boyarsky, Irving, and I. E. Melnick, New York, N. Y. Battery operated cigarette lighter. 2,535,665, Dec. 26.
Boyce, Boykin B., and W. B. Powell, Memphis, Tenn. Body for street-cleaning machines. 2,523,808, Sept. 26.
Boyce, Boykin B., and W. B. Powell, Memphis, Tenn. Suction street sweeper. 2,529,993, Nov. 14.
Boyce, Eugene L.: *See*—
Loewe, Peter L., and Boyce.
Boyce, Francis J., Keokuk, Iowa. Automobile ash tray. 2,499,942, Mar. 7.
Boyce, Harry, Passaic, N. J. Rotary valve construction. 2,500,794, Mar. 14.
Boyce, Leonard D., Kirkwood, assignor to Carter Carburetor Corporation, St. Louis, Mo. Engine starting device. 2,533,551, Dec. 12.
Boyce, Leonard D., Maplewood, assignor to Carter Carburetor Corporation, St. Louis, Mo. Fuel conditioning device. 2,518,657, Aug. 15.
Boyce, Leonard D., Maplewood, assignor to Carter Carburetor Corporation, St. Louis, Mo. Engine starting device. 2,518,658, Aug. 15.
Boyce Thompson Institute for Plant Research, Inc., assignee: *See*—
Prill, Edward A.
Synerholm, Martin E.
Boyd, Alice I.: *See*—
Boyd, Leonard E. and A. I.
Boyd, Dick F.: *See*—
Ernst, Walter, and Boyd.
Boyd, Elvin L., Dexter, Iowa. Mowing machine. 2,494,741, Jan. 17.
Boyd, Fisher L., and L. W. Boerner, Upper Darby, assignors to National Foam System, Inc., Philadelphia, Pa. Fire protecting apparatus. 2,514,439, July 11.
Boyd, Fisher L., West Chester, and L. W. Boerner, Newtown Square, assignors to National Foam System, Inc., Philadelphia, Pa. Foam-forming apparatus. 2,512,456, June 20.
Boyd, Francis O.: *See*—
Johanson, John E., and Boyd.
Boyd, James H., Bronxville, N. Y., assignor to Phillips Petroleum Company. Preparation of alkyl anilines. 2,507,755, May 16.
Boyd, John: *See*—
Peterson, Rudolph E., and Boyd.
Boyd, John C., Riverside, Calif. Sailing and steering rig for attachment to flat bottom rubber boats or rafts. 2,531,549, Nov. 28.
Boyd, John J., Brookmont, Md. Lawn mower. 2,517,834, Aug. 8.
Boyd, John M.: *See*—
Clifcorn, La Verne E., Peterson, and Boyd.
Boyd, Joseph C., Laurens, assignor to W. D. Dodenhoff, Greenville, S. C. Preventing singling in spinning operations. 2,528,297, Oct. 31.
Boyd, Joseph C., Laurens, assignor to W. D. Dodenhoff, Greenville, S. C. Means for preventing singling in spinning operations. 2,528,298, Oct. 31.
Boyd, Leonard E. and A. I., Oakland, Calif. Barbecue apparatus. 2,507,243, May 9.
Boyd, Mathias W., Oakland, Calif. Metal suit and trouser hanger. 2,493,385, Jan. 3.
Boyd, Mathias W., Oakland, Calif. Collapsible suit and trouser hanger. 2,503,321, Apr. 11.
Boyd, Raymond D., San Antonio, Tex. Adjustable-angle pivot-type rod joint. 2,504,796, Apr. 18.
Boyd, Thomas F., Philadelphia, Pa. X-ray spectrometer holder and method. 2,500,926, Mar. 21.
Boyd, William E., Newton Falls, assignor to Republic Steel Corporation, Cleveland, Ohio. Crane hook. 2,514,307, July 4.
Boyd, Winnett, Bobcaygeon, assignor, by mesne assignments, to Canadian Patents and Development Limited, Ottawa, Ontario, Canada. Self-aligning bearing mounting. 2,530,323, Nov. 14.
Boyden, Frank D., South Portland, Maine, assignor to Saco-Lowell Shops, Boston, Mass. Spindle brake. 2,533,162, Dec. 5.
Boyden, J. Hanson, assignee: *See*—
Nicholason, Emmett.
Boyden, Robert E., assignor to Clary Multiplier Corporation, Los Angeles, Calif. Keyboard for calculating machines. 2,495,832, Jan. 31.
Boyden, Robert E., assignor to Clary Multiplier Corporation, Los Angeles, Calif. Cover section for oscillating type wheels. 2,506,337, May 2.

Boyden, Robert E., Los Angeles, and E. P. Drake, Glendale, assignors to Clary Multiplier Corporation, Los Angeles, Calif. Partial product multiplying calculator. 2,515,692, July 18.

Boyden, Robert E., Los Angeles, and W. A. Parsons, Glendale, assignors to Clary Multiplier Corporation, Los Angeles, Calif. Item counter for computing machines. 2,527,241, Oct. 24.

Boydstun, Robert G., Fort Worth, Tex. Plastic cylinder heater coil and making same. 2,506,574, May 9.

Boye, James H., assignor to James H. Boye Manufacturing Company, Chicago, Ill. Door closing device. 2,499,719, Mar. 7.

Boye, James H., assignor to James H. Boye Manufacturing Company, Chicago, Ill. Screen door check and silencer. 2,517,966, Aug. 8.

Boye, James H., Manufacturing Company, assignee: *See*—
Boye, James H.

Boyer, Charles A., Winona Lake, Ind. Stringer fish snap. 2,517,761, Aug. 8.

Boyer, Elizabeth M., executrix: *See*—
Boyer, Hugh N.

Boyer, Ernest E., assignee: *See*—
Evans, Kenneth R., and Thomas.

Boyer, Howard B., Eugene, Oreg. Poster board. 2,501,710, Mar. 28.

Boyer, Hugh N., deceased, Canfield, Ohio; E. M. Boyer, executrix of said H. N. Boyer. Pruning shears. 2,495,677, Jan. 24.

Boyer, Hugh N., deceased, near Canfield, Ohio; E. M. Boyer, executrix. Plier wrench. 2,519,630, Aug. 22.

Boyer, Hugh N., deceased, near Canfield, Ohio, E. M. Boyer, executrix. Confronting wrench jaws each having normally aligned work-engaging sections pivotable to V-shape. 2,528,814, Nov. 7.

Boyer, Hugh N., deceased, near Canfield, Ohio, E. M. Boyer, executrix. Shears. 2,528,815, Nov. 7.

Boyer, Hugh N., deceased, near Canfield, Ohio, E. M. Boyer, executrix. Hedge shears. 2,528,816, Nov 7.

Boyer Industries, assignee: *See*—
Evans, Kenneth R., and Thomas.

Boyer, John L.: *See*—
Cork, Spencer M., and Boyer.

Boyer, John L., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Vapor electric device. 2,501,308, Mar. 21.

Boyer, John L., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Vapor electric device. 2,512,299, June 20.

Boyer, John L., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Parallel operation of converters. 2,523,090, Sept. 19.

Boyer, John L., Wilkinsburg, and W. E. Pakala, Forest Hills, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control circuit. 2,534,754, Dec. 19.

Boyer, Ralph K., Lakewood, assignor to The Dill Manufacturing Company, Cleveland, Ohio. Gauge chuck. 2,530,504, Nov. 21.

Boyer, Ralph L., assignor to Cooper-Bessemer Corporation, Mount Vernon, Ohio. Internal-combustion engine. 2,506,566, May 9.

Boyer, Raymond F., assignor to The Dow Chemical Company, Midland, Mich. Sulphonation of copolymers of monovinyl- and polyvinyl-aromatic compounds. 2,500,149, Mar. 14.

Boyer, Robert A.: *See*—
Ford, Henry, and Boyer.

Boyer, Robert Q., Berkeley, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Filter and valve mechanism. 2,531,802, Nov. 28.

Boyer, Warren G., Canal Winchester, and C. E. Dunlap, Carroll, Ohio. Dish attachment for high chairs. 2,535,563, Dec. 26.

Boyer, William C., assignor to A. H. Rice Company, Pittsfield, Mass. Thread controlling device for sewing machines. 2,496,116, Jan. 31.

Boyer, William C., assignor to A. H. Rice Company, Pittsfield, Mass. Thread controlling device for sewing machines. 2,496,117, Jan. 31.

Boyette, A. C., Felsenthal, Ark. Fish lure. 2,526,115, Oct. 17.

Boyington, Verlyn E., Portland, Oreg. Bathing rack for infants. 2,535,259, Dec. 26.

Boykin, John R., Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,498,242, Feb. 21.

Boykin, John R., Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Frequency modulator. 2,530,937, Nov. 21.

Boykin, John R., Glen Burnie, and J. L. Johnson, Catonsville, Md., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Radio apparatus. 2,525,475, Oct. 10.

Boyko, John: *See*—
Mullen, Edward, and Boyko.

Boylan, Charles H., Jr., and P. J. Schlinger, Louisville, Ky. Metal window screen. 2,499,943, Mar. 7.

Boylan, Francis L., New Orleans, La. Electric motor controlled valve. 2,509,287, May 30.

Boylan, Louis A., assignor to Valentine Laboratories, Inc., Chicago, Ill. Mechanical movement with constantly or intermittently driven member. 2,507,756, May 16.

Boyle, Calvert, Royal Oak, assignor to American Cutter & Engineering Corporation, Warren, Mich. Milling cutter. 2,521,035, Sept. 5.

Boyle, James M.: *See*—
Rudel, Harry W., and Boyle.

Boyle, James M., South Norwalk, Conn., and J. W. Thompson, New York, N. Y. Apparatus for sorting and/or selecting record cards. 2,496,435, Feb. 7.

Boyle, John R., assignor to Westerlin & Campbell Company, Chicago, Ill. Air circulating apparatus. 2,529,592, Nov. 14.

Boyle, John R., Chicago, Ill. Apparatus for transferring markings. 2,516,044, July 18.

Boyle-Midway Inc., assignee: *See*—
Domenk, Paul.
Podolak, Walter.

Boyle, Norman T., Brooklyn, N. Y. Marble game. 2,496,436, Feb. 7.

Boyle, Norman T., Brooklyn, N. Y. Music box. 2,501,022, Mar. 21.

Boyle, Ruby L., assignee: *See*—
Linder, Claude W.

Boyle, William J., St. Louis, Mo. Adjustable motor base. 2,498,392, Feb. 21.

Boyles, Edgar R., and C. M. Pattison, Hartford City, Ind.; said Pattison assignor to said Boyles, as trustee. Apparatus for dishing and variegating substantially flat glass sheets. 2,503,653, Apr. 11.

Boyles, Robert L., Framingham, Mass., assignor to Telechron, Inc. Combined indicator and direction controller for synchronous motor-driven clocks. 2,513,913, July 4.

Boynton, Earl S.: *See*—
O'Brien, Joseph F., and Boynton.

Boynton, Stanley E., Westfield, and W. C. Ewaldson, Millington, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Machine for making insulated conductors. 2,517,381, Aug. 1.

Boynton, Wentworth D., Woodbrook, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for testing insulation. 2,499,720, Mar. 7.

Boynton, Wentworth D., Woodbrook, Md., and J. E. Schober, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Electrical testing apparatus. 2,501,482, Mar. 21.

Bozanich, Louie P., Seattle, Wash. Washing and drying machine with fluid impeller. 2,498,734, Feb. 28.

Bozarth, Edward W., Culdesac, Idaho. Screen leveling device. 2,500,448, Mar. 14.

Bozarth, Walter L., Modesto, Calif. Rubber band gun. 2,535,891, Dec. 26.

Bozich, Michael J., Pittsburgh, Pa. Pneumatic conveyer. 2,500,271, Mar. 14.

Bozich, Michael J., Pittsburgh, Pa. Glass making materials resistant to caking. 2,527,618, Oct. 31.

Bozoian, Michael, Ann Arbor, Mich., assignor, by mesne assignments, to Graham-Mintel Instrument Company, Cleveland, Ohio. Electronic indicating circuit. 2,508,370, May 23.

Bozoti, Joseph, Parma, Ohio. Paper roll holder. 2,500,514, Mar. 14.

Bozzelli, Albert L., assignor of twenty-five per cent to V. Angelino, twenty-five per cent to F. De Thomas, Bangor, and twenty-five per cent to M. De Lesio, Roseto, Pa. Tire chain applying device. 2,497,975, Feb. 21.

Braak, Dirk J., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Transceiver for two-way communication. 2,512,300, June 20.

Braaten, Earl E., assignor to Valentine Laboratories, Inc., Chicago, Ill. Counting machine for tablets with intermittently rotatable counting member and adjustable means for varying the degree of movement of the counting member. 2,507,757, May 16.

Braaten, Oscar M., Rock Island, Ill. Linear dimension measuring and gauging machine. 2,504,961, Apr. 25.

Braatz, Arthur O., Racine, Wis. Combination vibrator and mixer. 2,509,557, May 30.

Braatz, Leo A., Schofield, Wis. Rod and reel holder. 2,504,385, Apr. 18.

Brabham, Thomas J., Greensboro, N. C. Tipproof bottle-holder. 2,510,545, June 6.

Brace, George A., Highland Park, Ill., assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,525,282, Oct. 10.

Brace, George A., Highland Park, Ill., assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,525,283, Oct. 10.

Brace, Porter H., Forest Hills, Pa., J. F. Schairer, Chevy Chase, Md., and J. W. Marden, East Orange, N. J., assignors to the United States of America as represented by the Secretary of War. Gun tube liner material. 2,499,944, Mar. 7.

Brace, Porter H., Forest Hills, and T. H. Gray, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Manufacturing lined metal tubes. 2,508,466, May 23.

Brach, E. J., & Sons, assignee: *See*—
Zimmer, Clyde R.

Bracke, Oscar J. J., and G. X. Lens, Antwerp, Belgium, assignors to International Standard Electric Corporation, New York, N. Y. Driving device for power-driven telephone switches and similar switching members. 2,495,689, Jan. 31.
Bracken, William A., Levy, Ark. Automobile window awning. 2,500,272, Mar. 14.
Bracken, William A., Levy, Ark. Automobile windshield sun visor. 2,507,397, May 9.
Bräcker, Carl W., Pfaffikon, Switzerland. Drill chuck. 2,498,525, Feb. 21.
Brackett, George S., Jr., Waynesboro, Pa. Tilt-turn toy. 2,501,206, Mar. 21.
Braconier, Frédéric F. A., Strivay-Plainevaux, and J. Dawance, Angleur, assignors to Societe Belge de l'Azote et des Produits Chimiques du Marly, Liege, Belgium. Synthesis of vinyl esters of carboxylic acids. 2,521,113, Sept. 5.
Bracy, Edwin L.: *See*— McConnell, Winton E., and Bracy.
Bradbury, Clifford C., Richmond, Ind., assignor to Hydraulic Brake Company, Detroit, Mich. Master cylinder. 2,526,457, Oct. 17.
Bradbury, Frederick J., Leamington Spa, England, assignor, by mesne assignments, to Aeroquip Corporation, Jackson, Mich. Coupling device for pipes, tubes, and the like. 2,511,765, June 13.
Bradbury, Samuel, 3rd, Conshohocken, Pa., assignor to Lyophile-Cryochem Corporation, Baltimore, Md. Desiccation of aqueous materials from the frozen state. 2,513,991, July 4.
Braddick, Henry J. J.: *See*— Blackett, Patrick M. S., and Braddick.
Braddon, Frederick D., Babylon, N. Y., assignor to The Sperry Corporation. Gyro vertical. Re. 23,291, Nov. 7.
Braddon, Frederick D., Babylon, N. Y., assignor to The Sperry Corporation. Stabilized tower supported antenna. 2,497,065, Feb. 14.
Braddon, Frederick D., Babylon, N. Y., assignor to The Sperry Corporation. Gyroscopic flight indicator. 2,512,607, June 27.
Braddon, Frederick D., Babylon, N. Y., assignor to The Sperry Corporation. Gyrovertical slaving system. 2,533,217, Dec. 12.
Braddon, Frederick D., Babylon, N. Y., G. P. de Westfelt, Chevy Chase, Md., and R. S. Brannin, East Williston, N. Y., assignors to The Sperry Corporation. Presetting means for gyro magnetic compasses. 2,524,756, Oct. 10.
Braddon, George D.: *See*— Tigges, Alexander J., and Braddon.
Braden, Rene A., Princeton, N. J., assignor to Radio Corporation of America. Wave shape correction circuit. 2,506,770, May 9.
Braden, Rene A., Princeton, N. J., assignor to Radio Corporation of America. Balanced microwave detector and mixer. 2,527,910, Oct. 31.
Braden, Vally N., New Haven, Conn., and F. E. Ensley, assignors to Wingfoot Corporation, Akron, Ohio. Pneumatic-type aircraft landing gear. 2,522,340, Sept. 12.
Brader, Stanley F.: *See*— Jacobson, Joel M., Brader and Fleck.
Bradfield and Bidwell, Inc., assignee: *See*— Van den Broek, Jan A.
Bradfield, Paul D.: *See*— Bowman, John M., and Bradfield.
Bradford, Arthur J., assignee: *See*— Ditty, Allan V.
Bradford, Arthur J., Wilmette, Ill., assignor to Motion Picture Engineering Corporation. Carrying case. 2,514,368, July 11.
Bradford, Carlos L., Coshocton, Ohio. Map holder. 2,501,840, Mar. 28.
Bradford, Leonard R., Arlington, W. W. Dunnell, Jr., Boston, and F. J. McAvinney, Dorchester, assignors, by mesne assignments, to The Reece Corporation, Boston, Mass. Buttonhole sewing mechane. 2,529,072, Nov. 7.
Bradford, Purdy: *See*— Gunther, James K., and Bradford.
Bradford, Purdy, Palos Heights, assignor to Swift & Company, Chicago, Ill. Glycerine condensation. 2,496,576, Feb. 7.
Bradish, Elliott E., assignor of one-half to R. H. Roberts, Worcester, Mass. Packing cutter for mule spindles. 2,523,859, Sept. 26.
Bradley, Charles R., Springfield Gardens, N. Y. Safety catch for automobile doors. 2,514,738, July 11.
Bradley, Clifton H., Mansfield, Tex. Peanut harvester. 2,534,405, Dec. 19.
Bradley, Edwin J., Santa Ana, Calif. Appâratus for use in installing soil pipe in concrete floors. 2,527,874, Oct. 31.
Bradley, Gene T., Maywood, Calif. Bow sight. 2,534,946, Dec. 19.
Bradley, George T., Miami, and E. E. Brown, Kandall, Fla. Gun case. 2,531,550, Nov. 28.
Bradley, Harl C., Fort Wayne, Ind., assignor to General Electric Company. Supporting structure for machines. 2,522,985, Sept. 19.
Bradley, Harris W.: *See*— Hunt, Madison.
Bradley, Harris W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Sulfoxidation process. 2,507,088, May 9.
Bradley, Harry L., assignor to Allen-Bradley Company, Milwaukee, Wis. Cushioned magnetic switch. 2,531,025, Nov. 21.
Bradley, Harry P., Cuyahoga Falls, assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Resorcinol formaldehyde adhesive. 2,514,196, July 4.
Bradley, Harry S., West Haven, Conn. Hinge construction. 2,504,635. Apr. 18.
Bradley, Howard W., Calumet City, assignor to Inland Steel Company, Chicago, Ill. Apparatus for use in the visual inspection of tin plates and the like. 2,502,414, Apr. 4.
Bradley, James A., St. Petersburg, Fla. Remote detection and control system. 2,513,279, July 4.
Bradley, John A., Santa Ana, Calif. Metering injector for pressure lines. 2,510,373, June 6.
Bradley, John E., Jr., Portland, Maine. Portable clothes drier. 2,496,517, Feb. 7.
Bradley, John J., Jr., Winchester, assignor to Boston Varnish Company, Everett, Mass. Film spreader. 2,497,578, Feb. 14.
Bradley, Milton, Company, assignee: *See*— Weddell, Joseph K.
Bradley Pulverizer Company, assignee: *See*— Gibson, William A.
Bradley, Robert J., assignor of one-half to E. R. Mecklenburg, Cleveland, Ohio. Adjustable cutter. 2,495,091, Jan. 17.
Bradley, Robert O., assignor to Toledo Scale Company, Toledo, Ohio. Photoamplifier. 2,516,179, July 25.
Bradley, Robert W., Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. High-frequency heating. 2,526,724, Oct. 24.
Bradley, Robert W., Marblehead, and R. C. Wildman, Manchester, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Shoemaking apparatus. 2,528,491, Nov. 7.
Bradley, Robert W., Marblehead, and C. Juhola, Lynn, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Shoemaking apparatus. 2,528,492. Nov. 7.
Bradley, Roy W., Flint, Mich. Poultry fountain. 2,519,736, Aug. 22.
Bradley, Samuel T., Wellford, and R. A. Jones, Lyman, S. C. Filling thread tension device for looms. 2,515,626, July 18.
Bradley, Stephen D., Grosse Pointe Farms, assignor to Detroit Macoid Corporation, Detroit, Mich. End cap for Venetian blind slats. 2,498,909, Feb. 28.
Bradley, Stephen D., Grosse Pointe Farms, assignors to Detroit Macoid Corporation, Detroit, Mich. Heat control. 2,508,988, May 23.
Bradley, Theodore F., Oakland, assignor to Shell Development Company, San Francisco, Calif. Compositions of matter containing glycidyl ethers and oxalic acid. 2,500,449, Mar. 14.
Bradley, Theodore F., Oakland, assignor to Shell Development Company, San Francisco, Calif. Compositions of matter containing epoxy ethers and diamines. 2,500,600, Mar. 14.
Bradley, Theodore F., Oakland, assignor to Shell Development Company, San Francisco, Calif. Epoxy ether compositions containing phenolic pitch. 2,528,417, Oct. 31.
Bradley, Thomas W., Tampa, Fla. Awning. 2,515,588, July 18.
Bradley Transportation Company, assignee: *See*— Meissner, John F.
Bradley Washfountain Co., assignee: *See*— Mullett, Howard G., and Wachter.
Bradley, Wendell H., Chicago, Ill., assignor to the United States of America as represented by the United States Atomic Energy Commission. Scaling circuit. 2,524,692, Oct. 3.
Bradley, William E.: *See*— Clapp, Richard G., and Bradley. Tompkins, Howard E., and Bradley.
Bradley, William E., Springfield, assignor to Philco Corporation, Philadelphia, Pa. Frequency detector and frequency control circuits. 2,497,290, Feb. 14.
Bradley, William E., Springfield Township, Montgomery County, assignor to Philco Corporation, Philadelphia, Pa. Making picture projection screens. 2,508,058, May 16.
Bradley, William E., Springfield, assignor to Philco Corporation, Philadelphia, Pa. Pulse-modulation system. 2,524,251, Oct. 3.
Bradley, William E., Swarthmore, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Signal mixing system. 2,493,801, Jan. 10.
Bradley, William E., Swarthmore, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Frequency-detector and frequency-control circuits. 2,494,795, Jan. 17.
Bradley, William E., Swarthmore, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Echo-triggered radar system. 2,495,690, Jan. 31.
Bradley, William E., Swarthmore, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Antenna system. 2,496,242, Jan. 31.

Bradley, William E., Swarthmore, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Cavity resonator. 2,496,772, Feb. 7.

Bradley, William E., Swarthmore, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Contrast control circuit for television systems. 2,504,175, Apr. 18.

Bradley, William E., Swarthmore, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Superregenerative receiver circuit. 2,504,636, Apr. 18.

Bradley, William E., Swarthmore, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Pulse modulated echo ranging system. 2,532,221, Nov. 28.

Bradley, William H., assignor to Horton Manufacturing Company, Fort Wayne, Ind. Ironing machine clutch mechanism. 2,511,322, June 13.

Bradley, William M., Whitefish Bay, assignor to Dings Magnetic Separator, Milwaukee, Wis. Spout magnet assemblage. 2,517,174, Aug. 1.

Bradmiller, Edwin W.: *See*
Spiller, William R., and Bradmiller.

Bradner, John A., Shaker Heights, Ohio. Tool. 2,512,241, June 20.

Bradshaw, Almond C., Mascot, Tenn. Latch. 2,525,642, Oct. 10.

Bradshaw & Company, assignee: *See*—
Bradshaw, Grant D.

Bradshaw, Grant D., Beaver, assignor to Bradshaw & Company, Pittsburgh, Pa. Steam, gas, and air separator. 2,527,392, Oct. 24.

Bradshaw, John R.: *See*—
Faulkner, Harry R., Pettus, and Bradshaw.

Bradt, Charles H.: *See*—
Higgins, William J., and Bradt.

Bradwell, Raymond C., and A. R. Miller, Chicago, Ill. Mechanic's tool. 2,511,525, June 13.

Brady, Bernard L., Gibbsboro, N. J., assignor to Radio Corporation of America. Optical assembly for projecting an image of luminous characteristics upon light responsive element. 2,510,374, June 6.

Brady, Charles A., Jr., assignee: *See*—
Pruellage, Frank J.

Brady, Charles A., Jr., San Francisco, and J. J. Barich, Jr., San Mateo, Calif. Rear view mirror having two-position setting means. 2,504,386, Apr. 18.

Brady, Charles V., and A. F. Ottinger, assignors to Bemis Bro. Bag Company, St. Louis, Mo. Helically-seamed labeled fabric tubing. 2,534,755, Dec. 19.

Brady, Francis E., Jr., Muncie, Ind. Air-volume control mechanism. 2,520,794, Aug. 29.

Brady, George W., Upper Montclair, N. J., assignor to Curtiss-Wright Corporation. Control system. 2,499,813, Mar. 7.

Brady, George W., Upper Montclair, and C. W. Chillson, Caldwell, N. J., assignors to Curtiss-Wright Corporation. Dual rotation propeller. 2,533,346, Dec. 12.

Brady, James M., Washington, D. C. Telemetric transmitter. 2,526,631, Oct. 24.

Brady, James M., Washington, D. C., and S. Posten, Navesink, N. J. Reticle. 2,508,371, May 23.

Brady, Paul L.: *See*—
Schmidt, Howard F., and Brady.

Brady, Salome Nabors, Biloxi, Miss. Brassière. 2,516,749, July 25.

Brady, Thomas F., assignee: *See*—
Gladsh, Frank L.

Braendle, Harold A.: *See*—
Wiegand, William B., and Braendle.

Bragg, Benjamin L., III, Fanwood, N. J., assignor to Standard Oil Development Company. Multiple bell cap clamp. 2,525,064, Oct. 10.

Bragg, Willis C., Waitsfield, Vt. Device for thawing frozen water pipes. 2,516,950, Aug. 1.

Brahe, Dan S. and L. B., New Hartford, N. Y. Change maker. 2,498,150, Feb. 21.

Brahe, Lena B.: *See*—
Brahe, Dan S. and L. B.

Brahmer, Leland F.: *See*—
Hanna, Raymond P., and Brahmer.

Braidwood, Clinton A., Ferndale, assignor to Reichhold Chemicals, Inc., Detroit, Mich. Preparation of substituted phenols. 2,523,939, Sept. 26.

Brailsford, Harrison D., Harrison, N. Y. Phonographic pickup device. 2,511,766, June 13.

Brainard, Frank K., deceased, Wauwatosa, by W. M. Kittson, executor, and W. L. Ringland, West Allis, assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Control system for starting multiple speed synchronous motors. 2,510,045, May 30.

Brainard, Maurice W., assignor of one-half to O'Keefe and Merritt Company, Los Angeles, Calif. Rotor for electric machines and making the same. 2,493,102, Jan. 3.

Brainard, Ruby C. F., Altadena, Calif. Culinary implement. 2,493,854, Jan. 10.

Brainard Steel Company, assignee: *See*—
Alderfer, Sterling W.

Braitberg, Leo D.: *See*—
Friedman, Harris L., and Braitberg.

Braley, Orville A., assignor to Dow Corning Corporation, Midland, Mich. Organopolysiloxane compositions. 2,504,388, Apr. 18.

Braly, Mack M., assignee: *See*—
Tisdale, Shirley T.

Braman, William T., Newark, N. J. Convertible toy. 2,503,707, Apr. 11.

Bramberry, Harry M., deceased, New Castle, Ind.; H. M. Bramberry, Jr., administrator, assignor to himself. Coated metal article and making the same. 2,534,406, Dec. 19.

Bramberry, Harry M., deceased, New Castle, Ind.; H. M. Bramberry, Jr., administrator, assignor to himself. Cooking utensil surface form and character. 2,534,407, Dec. 19.

Bramberry, Harry M., deceased, New Castle, Ind.; H. M. Bramberry, Jr., administrator, assignor to himself. Relieved and filled cylinder surface. 2,534,408, Dec. 19.

Bramberry, Harry M., Jr., assignee and administrator: *See*—
Bramberry, Harry M.

Bramberry, Harry M., Sr., New Castle, Ind. Oil control piston. 2,511,458, June 13.

Bramble, Donald E., Chicago, Ill. Power-operated body top. 2,496,437, Feb. 7.

Bramble, John H.: *See*—
Horstman, Clifford C., and Bramble.

Bramel, Henry C., Toledo, Ohio. Shaping machine. 2,493,103, Jan. 3.

Bramletta, Andrew J., assignee: *See*—
Bullock, Jesse T.

Bramley, Arthur, Long Branch, N. J. Centrifugal dehydrating and cooling system. 2,511,691, June 13.

Bramley, Arthur, Long Branch, and C. E. Swanson, North Arlington, N. J., assignors, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Method and apparatus for removing burns from cathode-ray tubes. 2,495,203. Jan. 24.

Bramley, Jenny, Long Branch, N. J. Secondary-electron emission. 2,527,981, Oct. 31.

Bramming, Carl, Anderson, Ind., assignor to Aladdin Industries, Incorporated, Chicago, Ill. Harp construction for supporting electric lamp shades. 2,520,795, Aug. 29.

Brams, Stewart L., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Rubber cement. 2,501,654. Mar. 28.

Bramson, Ely, Chicago, Ill. Egg candling machine. 2,497,655, Feb. 14.

Bramson, Maurice, Brooklyn, N. Y. Drumstick. 2,521,336, Sept. 5.

Bramwyche, Peter L., London, M. Mugdan, Richmond, and H. M. Stanley, Tadworth, England, assignors to The Distillers Company, Limited, Edinburgh, Scotland. Manufacture of diethyl acetal. 2,519,540, Aug. 22.

Branan, Wiley M., Penns Grove, and H. H. Holmes, Woodbury, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of low viscosity carboxyalkyl cellulose. 2,517,835, Aug. 8.

Branch, Albert L.: *See*—
Gilliam, Fenton O., Jr., Portlock, Jr., and Branch.

Brand, Samuel, Binghamton, J. M. Cunningham, Endicott, and L. C. Bishop, Binghamton, assignors to International Business Machines Corporation, New York, N. Y. Accumulator for accounting machines. 2,502,919, Apr. 4.

Brand, William T., Beemer, Nebr. Honey capping melter. 2,520,304, Aug. 29.

Brandau, Marvin W., and B. A. Main, Jr., assignors to Aeroquip Corporation, Jackson, Mich. Coupling. 2,498,104, Feb. 21.

Brandegee, Morris M., Lewiston, N. Y., assignor to the United States of America as represented by the United States Atomic Energy Commission. Apparatus for purifying gases 2,508,989, May 23.

Brandeis, Harold, Chicago, Ill., assignor to Colonial-Premier Company. Lamp fixture for annular fluorescent lamps. 2,506,575, May 9.

Brandell, Elmer, assignee: *See*—
Neal, Ernest C.

Brandenberger, Jacques E., Paris, France, assignor to La Cellophane. Molding in their own packing of fusible or thermoplastic products. 2,605,603, Apr. 25.

Brandenburg, Edwin H., Lakewood, Ohio. Permanent magnet chuck. 2,533,348, Dec. 12.

Brandenburg, Stanley A.: *See*—
Bickel, Clifford A., Brandenburg, and Foster.

Brandenburger, Roy L.: *See*—
Pittenger, Glenn C., and Brandenburger.

Brander, Bertil J., Stockholm, Sweden. Slidable call transmitter with spindle mechanism. 2,503,542, Apr. 11.

Brander, David, and H. Hamill, assignors to William Beattie Limited, Glasgow, Scotland. Spindle machine for molding dough. 2,522,599, Sept. 19.

Brandner, John D., West Walker Township, Schuylkill County, Pa., assignor to Atlas Powder Company, Wilmington, Del. Bleaching of organic material. 2,529,831, Nov. 14.

Brandon, Arthur H., Los Angeles, Calif. Testing well tubing. 2,502,775, Apr. 4.

Brandon, George M., Tallahassee, Fla. Truck body. 2,503,792, Apr. 11.

Brandon, Martin, Villa Park, F. P. Robinson, Glenview, and L. J. Budd, assignors to Pallet Devices, Inc., Chicago, Ill. Load supporting pallet. 2,507,588, May 16.

Brandon, Thomas O., U. S. Navy. Bearing structure for sextants or the like. 2,504,960, Apr. 25.

Brandt, Albert C., Sarasota, Fla. Line guide for fishing rods. 2,514,929, July 11.

Brandt, Angelus: *See*—
Ballad, Laurence O., and Brandt.
Brandt, Edward A., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Blank feeding and locating mechanism for punch presses. 2,533,914, Dec. 12.
Brandt, Edward A., River Grove, Ill. Adjustable nose pad for spectacles. 2,501,259, Mar. 21.
Brandt, Howard, New York, N. Y. Protective system for an overheated journal-bearing and its axle. 2,528,817, Nov. 7.
Brandt, J. P., Aktiebolag, assignee: *See*—
Aulin, Tage G.
Brandt, John R., assignor to Salerno Machinery Company. Chicago, Ill. Stacking device. 2,496,438, Feb. 7.
Brandt, Kristian H., Red Bank, N. J. Making capacitors. 2,531,389, Nov. 28.
Brandt, Preston L., Galveston, Tex., assignor to Pan American Refining Corporation, New York, N. Y. Separation by adsorption. 2,493,911, Jan. 10.
Brandt, Preston L., Galveston, R. J. Lee, La Marque, and J. A. Ridgway, Jr., Texas City, Tex., assignors to Pan American Refining Corporation. Hydrocarbon conversion with hydrogen fluoride in homogeneous phase. 2,501,023, Mar. 21
Brandt, Robert J., Hollywood, Calif. Filter frame with hinged clips therefor. 2,499,294, Feb. 28.
Brandvein, Walter S., Waterbury, Conn. Curtain. 2,533,873, Dec. 12.
Brandvold, Carl S., Cut Bank, Mont. Bumper for automotive vehicles. 2,519,429, Aug. 22.
Brane, Maxwell D., Wexford, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Dynamic braking system. 2,515,982, July 18.
Branham, James H., assignor to Woodward Governor Company, Rockford, Ill. Speed regulator for hydraulic turbines. 2,514,930, July 11.
Branick, Charles E., Fargo, N. Dak. Tire inverter. 2,525,114, Oct. 10.
Branneman, Leonard, Green Cove Springs, Fla. Steam vacuum cleaner. 2,497,435, Feb. 14.
Brannen, Paul M: *See*—
Van Tassel, Harry C., and Brannen.
Brannen, Paul M., Duquesne, assignor to The Union Switch & Signal Company, Swissvale, Pa. Switch control and indication system. 2,495,204, Jan. 24.
Brannen, Paul M., Duquesne, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway train interval detection system. 2,509,331, May 30.
Brannin, Richard S.: *See*—
Braddon, Frederick D., de Westfelt, and Brannin.
Brannock, Kent C.: *See*—
Wilder, Lot S., and Brannock.
Brannon, Herbert L.: *See*—
Faulkner, Rush D., and Brannon.
Brannon, Leila, executrix: *See*—
Brannon, Loyd W.
Brannon, Loyd W., deceased, Norfolk, Va.; by L. Brannon, executrix, North Ingleside, Va., dedicated to the free use of the people in the territory of the United States. Insecticide comprising rotenone and (butylcarbityl) (6-propyl piperonyl) ether as a synergist therefor. 2,528,493, Nov. 7.
Brannon, Loyd W., deceased, by Leila Brannon, executrix, Norfolk, Va., dedicated to the free use of the People in the territory of the United States. Insecticide comprising rotenone and piperonyl cyclonene as a synergist therefor. 2,531,390, Nov. 28.
Bransky, David W., Chicago, Ill., and N. E. Lemmon, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Extraction of sulfuric acid sludge. 2,530,757, Nov. 21.
Branson, Charles D., assignor to Robertshaw-Fulton Controls Company, Knoxville, Tenn. Control for systems using either heating or cooling medium. 2,535,892, Dec. 26.
Branson, Charles D., assignor to Robertshaw-Fulton Controls Company, Knoxville, Tenn. Constant flow mixing valve. 2,535,893, Dec. 26.
Branson, Charles D., Knoxville, Tenn., assignor to Robertshaw-Fulton Controls Company. Fluid mixing device. 2,507,621, May 16.
Branson, Charles D., Knoxville, Tenn., assignor to Robertshaw-Fulton Controls Company. Temperature regulator. 2,511,042, June 13.
Branson, Charles D., Knoxville, Tenn., assignor to Robertshaw-Fulton Controls Company. Temperature regulator. 2,524,284, Oct. 3.
Branson, David E., River Edge, N. J., G. A. Locke, Glen Head, and T. A. Marshall, Floral Park, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Code translator and printer control circuit. 2,510,061, June 6.
Branson, Guilford F., Pampa, Tex. Apparatus for stripping insulation. 2,506,060, May 2.
Branson Instruments, Inc., assignee: *See*—
Branson, Norman G.
Branson, Norman G., assignor to Branson Instruments, Inc., Danbury, Conn. Supersonic inspection apparatus. 2,522,924, Sept. 19.
Branson, Raymond J., assignor to McNamar Boiler & Tank Company, Inc., Tulsa, Okla. Forming spherical containers. 2,503,190, Apr. 4.
Branson, Raymond J., assignor to McNamar Boiler & Tank Company, Inc., Tulsa, Okla. Method of forming tanks of spherical configuration. 2,503,191, Apr. 4.
Branson, Raymond J., assignor to McNamar Boiler & Tank Company, Inc., Tulsa, Okla. Manifold apparatus. 2,503,708, Apr. 11.
Brant, David O., Beverly Hills, Calif. Milk strainer. 2,516,102, July 25.
Brant, Elvin G., Cleveland, Ohio. Garment hanger. 2,510,375, June 6.
Brantley, Warner M., Birmingham, Ala. Attachable fulcrum for dental forceps. 2,497,254, Feb. 14.
Brantly, Newby O., Berwyn, assignor to Kite Aircraft Corporation, Philadelphia, Pa. Rotary wing blade. 2,509,184, May 23.
Branzell, Edward D., Superior, Wis., assignor to Barnes-Duluth Shipbuilding Company, Duluth, Minn. Poster exhibiting device. 2,534,851, Dec. 19.
Brasch, Arno, Brooklyn, assignor, by mesne assignments, to Electronized Chemicals Corporation, New York, N. Y. Sterilizing and preserving. Re. 23,195, Feb. 7.
Brasch, Arno, Brooklyn, assignor, by mesne assignments, to Electronized Chemicals Corporation, New York, N. Y. Electronic aging of alcoholic beverages. 2,498,735, Feb. 28.
Brasch, Arno, New York, N. Y., assignor, by mesne assignments, to Electronized Chemicals Corporation. Producing butadiene from petroleum and petroleum fractions. 2,516,848, Aug. 1.
Brasch, Arno, New York, N. Y., assignor, by mesne assignments, to Electronized Chemicals Corporation. Producing butadiene from alcohols. 2,516,849, Aug. 1.
Brasch, Arno, Brooklyn, assignor, by mesne assignments, to Electronized Chemicals Corporation, New York, N. Y. Detoxifying poisonous compounds. 2,534,222, Dec. 19.
Braser, Carl J.: *See*—
Gacki, Leonard W., and Brasser.
Brasher, Philip, Brooklyn, N. Y. Apparatus for collapsing water waves. 2,492,949, Jan. 3.
Brasington, Charles P., Cincinnati, Ohio. Mixer. 2,525,585, Oct. 10.
Brass, Edward A., Shreveport, La. Crossing gate. 2,528,733, Nov. 7.
Brass, Edward A., Shreveport, La. Retarded solenoid tractive means. 2,528,734, Nov. 7.
Brassert & Company, assignee: *See*—
Crockett, Robert E.
Brassert, H. A., & Company, assignee: *See*—
De Jahn, Fredrik W.
Brassington, Charles B., and B. M. Stibitz, Mount Carmel, Pa. Water gun. 2,519,737, Aug. 22.
Brastad, William A., and L. F. Borchardt, Minneapolis, Minn., assignors to General Mills, Inc. Recording sound on wire. 2,510,923, June 6.
Brasty, Joseph, Maple Heights, assignor to Lamp Hardware, Inc., Cleveland, Ohio. Rotary electric switch. 2,518,219, Aug. 8.
Braswell, Opie E., Hattiesburg, Miss. Flexible shaft coupling. 2,526,799, Oct. 24.
Braswell, Reuben A., Decatur, Ga. Paintbrush holder. 2,535,260, Dec. 26.
Bratman, Jack H., Long Beach, Calif. Slack adjuster and stay attachment for finger rings. 2,532,354, Dec. 5.
Brattain, Walter H.: *See*—
Bardeen, John, and Brattain.
Brattain, Walter H., and R. B. Gibney, Morristown, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Three-electrode circuit element utilizing semiconductor materials. 2,524,034, Oct. 3.
Bratton, Francis H.: *See*—
Calfee, John D., and Bratton.
Braucher, Harvey M.: *See*—
Beardsley, Orie L., Fox, and Braucher.
Brauchler, Chandis H., Canton, Ohio. Manufacturing turbine wheels. 2,526,194, Oct. 17.
Brauchler, Charles A., Canton, Ohio. Making propeller blades. 2,512,264, June 20.
Brauchler, Charles A., Canton, Ohio. Press-forging apparatus. 2,513,710, July 4.
Brauchler, Charles A., Canton, Ohio. Forging dies and manufacture thereof. 2,515,589, July 18.
Braucht, Benjamin E., Salem, Oreg. Warming rack. 2,493,222, Jan. 3.
Braud, Harold M., San Francisco, Calif. Beverage cooling and dispensing system. 2,534,570, Dec. 19.
Brauer, Martha, Jersey City, N. J. Bust pad. 2,505,458, Apr. 25.
Brauer, Walter, Ingelside, Tex. Crankless pump. 2,512,592, June 27.
Braun, Aloysuis P., assignor to one-half to G. R. Fabrizio, Denver, Colo. Jack for removing cylinder heads from bus type engines. 2,505,823, May 2.
Braun, August J., assignee: *See*—
Kors, Henry F.
Braun, C. F., & Co., assignee: *See*—
Haynes, Charles L.
Klaas, Gustave P.
Phares, James R.
Braun, Charles, and W. A. Neff, Union City, and O. Lichtensteiger, Teaneck, N. J. Girdle. 2,498,481, Feb. 21.
Braun, Gustave, Tatamy, Pa. Receptacle for bakery products. 2,522,161, Sept. 12.
Braun, John G., Chicago, Ill. Musical doll cradle. 2,501,861, Mar. 28.

Braun, Karl J., Glenbrook, Conn., assignor to Control Instrument Company, Inc., Brooklyn, N. Y. Type container mounting means. 2,508,593, May 23.

Braun, Karl J., Glenbrook, Conn., assignor to Control Instrument Company, Inc., Brooklyn, N. Y. Card delivery mechanism for sorting machines. 2,533,422, Dec. 12.

Braun, Karl J., Glenbrook, Conn., assignor to Control Instrument Company, Inc., Brooklyn, N. Y. Column selecting means for card-sorting machines. 2,535,779, Dec. 26.

Braun, William A., Somerville, Mass. Signal device for game pieces. 2,511,147, June 13.

Braun, William L., Norwalk, Conn. Carroting brush and carroting fur on a skin with said brush. 2,532,991, Dec. 5.

Braunberger, Ray A., Chicago, Ill. Fifth wheel. 2,531,871, Nov. 28.

Braund, John J., Washington, D. C. Relief duplication. 2,493,439, Jan. 3.

Braund, John J., Washington, D. C. Simulated baseball game. 2,521,500, Sept. 5.

Braund, Walter R., Birmingham, assignor to Bra-Wil-Kee, Inc., Detroit, Mich. Wheeled figure toy. 2,525,859, Oct. 17.

Brauner, Pincus, Haverhill, Mass. Liquid dispensing device. 2,502,821, Apr. 4.

Braunworth, Albert, Stamford, Conn., assignor to Time, Incorporated, New York, N. Y. Adjustable bearing support. 2,507,850, May 16.

Brautcheck, Charles H.: *See*—
Roberts, John B., Gage, and Brautcheck.

Braver, Max, Bronx, N. Y. Combination crib and dresser. 2,501,309, Mar. 21.

Brawand, Franklin M., Metzger, Oreg. Butt hook. 2,518,276, Aug. 8.

Bra-Wil-Kee, Inc., assignee: *See*—
Braund, Walter R.

Brawner, Otto G., Fort Worth, assignor of two-thirds to J. L. Breathwit, Dallas, Tex. Antinicotine cigarette holder. 2,515,547, July 18.

Bray, Ellis E., Cedar Hill, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Monochromator. 2,534,657, Dec. 19.

Bray, Frederick H., and L. R. Brown, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Line finder allotter circuit for telephone exchanges. 2,502,415, Apr. 4.

Bray, Frederick H., and L. R. Brown, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Electronic signal regenerator for translating alternating current impulses to direct current impulses. 2,510,062, June 6.

Bray, Frederick H., E. F. Bates, and J. C. Doughty, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Fire alarm system. 2,531,391, Nov. 28.

Bray, Henry F., Washington, D. C., assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio. System of setting paper positioning parts on a printing machine. 2,516,613, July 25.

Bray, Lawrence L., Sheboygan, assignor to Sporco, Inc., Milwaukee, Wis. Portable baseball, softball scoreboard. 2,513,623, July 4.

Bray, Malcolm D., Noblesville, assignor to Eli Lilly and Company, Indianapolis, Ind. Stabilized thiamin. 2,498,200, Feb. 21.

Bray, Overton, Rupert, Idaho. Adjustable miter gauge for saw tables. 2,502,124, Mar. 28.

Bray, William N., Leicester, England, assignor to United Shoe Machinery Corporation, Flemington, N. J. Work guidance assistance for manually guided machine operations. 2,494,688, Jan. 17.

Bray, William R., Bryan, Tex. Automatic V belt transmission. 2,534,409, Dec. 19.

Brazeau, Bernard C.: *See*—
Schneider, Joseph F., and Brazeau.

Brazee, Henry S., Terryville, and T. R. Claffey, assignors to The United States Time Corporation, Waterbury, Conn. Alarm set and stop mechanism. 2,523,676, Sept. 26.

Brazelton, C. M., assignee: *See*—
Brewer, William H.

Breadner, Robert L., Kenton, H. G. Jenkins, Pinner, and C. H. Simms, Twickenham, England, assignors to General Electric Company. Making electric discharge lamps. 2,494,857, Jan. 17.

Breadner, Robert L., Kenton, H. G. Jenkins, Pinner, and C. H. Simms, Twickenham, England, assignors to General Electric Company. Electric discharge lamp. 2,501,375, Mar. 21.

Breadner, Robert L., Kenton, H. G. Jenkins, Pinner, and C. H. Simms, Twickenham, England, assignors to General Electric Company. Electric discharge lamp. 2,501,376, Mar. 21.

Bready Tractor and Implement Company, The, assignee: *See*—
Willey, Harry.

Breathwit, J. L., assignee: *See*—
Brawner, Otto G.

Breaux, Elton H., Rayne, La. Oil well filter. 2,530,223, Nov. 14.

Breaux, Neil T., assignee: *See*—
Silvey, William F.

Brebis, Edward L., Los Angeles, Calif. Dual flush valve. 2,505,091, Apr. 25.

Brecht, Rudolph W., and E. H. Meyer, Brainerd, Minn. Minnow holder. 2,531,551, Nov. 28.

Brecht, Winston A.: *See*—
Kerr, Charles, Jr., and Brecht.

Breckenridge, Frank, Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Basket and shaft structure for clothes washing machines. 2,503,433, Apr. 11.

Breda, Thoralf K., assignor to S. Morgan Smith Company, York, Pa. Trash rake. 2,518,119, Aug. 8.

Breda, Thoralf K., assignor to S. Morgan Smith, Company, York, Pa. Trash rake. 2,524,304, Oct. 3.

Bredice, Alfred, Waterbury, Conn. Music string pitch regulator. 2,514,835, July 11.

Breed, Theodore R., assignee: *See*—
Schumacher, Edwin A.

Breedlove, Bernard H., Atlanta, Ga. Transmitter. 2,526,001, Oct. 17.

Breemes, Jacob, Palmyra, N. Y. Casting float. 2,503,793, Apr. 11.

Breer, Carl, Grosse Pointe, J. C. Zeder, Bloomfield Hills, and W. P. Cousino, Detroit, assignors to Chrysler Corporation, Highland Park, Mich. Modeling apparatus. 2,518,748, Aug. 15.

Breese Burners, Inc., assignee: *See*—
Breese, James L.
Breese, James L., and Hayter.
Hayter, Bruce.
Hayter, Bruce, and Huston.

Breese, James L., assignor, by mesne assignments, to Breese Burners, Inc., Santa Fe, N. Mex. Generator burner with snap action control. 2,493,474, Jan. 3.

Breese, James L., assignor, by mesne assignments, to Breese Burners, Inc., Santa Fe, N. Mex. Combustion chamber and turbine arrangement. 2,532,831, Dec. 5.

Breese, James L., and B. Hayter, assignors, by mesne assignments, to Breese Burners, Inc., Santa Fe, N. Mex. Portable army stove. 2,500,658, Mar. 14.

Breese, Robert P., New York, N. Y., assignor, by mesne assignments, to Bendix Aviation Corporation, South Bend, Ind. Transmission operating mechanism. 2,503,026, Apr. 4.

Breese, Robert P., New York, assignor, by mesne assignments, to General Bronze Corporation, Garden City, N. Y. Bowl type oil burner with spark ignition means. 2,512,301, June 20.

Breeze, Charles A., Aberdeen, Scotland. Friction clutch. 2,516,544, July 25.

Breeze Corporations, Inc., assignee: *See*—
Cadman, Arthur H.
Hill, Keith A.
Knezo, John, Jr.
Medvetz, Edward.
Rennie, Edward J.
Tierney, Samuel, Jr.

Breeze, George E., Uncasville, and L. A. Brockwell, New London, Conn., assignors to the United States of America as represented by the Secretary of the Navy. Pressure-armed impact-fired fuse. 2,498,025, Feb. 21.

Breguet, Louis, and R. Devillers, Paris, France, said Devillers assignor to said Breguet. Discontinuous control transmission. 2,505,381, Apr. 25.

Brehm, Harold B., and W. F. Kannenberg, Lyndhurst, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical resonator and mode suppressor therefor. 2,527,619, Oct. 31.

Brehm, Robert W., and W. R. Tucker, assignors to H-P-M Development Corporation, Mount Gilead, Ohio. Combination surge check and release valve for hydraulic press-operating circuits. 2,526,800, Oct. 24.

Brehmer, Eugene, St. James, Minn. Expanding chisel. 2,504,176, Apr. 18.

Breier, Marcus, Amsterdam, N. Y. Garment construction. 2,502,201, Mar. 28.

Breisch, Edgar W.: *See*—
Werner, John E., Bechtol, and Breisch.

Breisch, Edgar W., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Making insulated electrical conductors. 2,498,357, Feb. 21.

Breisch, Edgar W., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical terminal. 2,514,440, July 11.

Breisch, Edgar W., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Vacuum tube support. 2,529,279, Nov. 7.

Breisch, Edgar W., Edgewood, and K. E. Doriot, assignors to The Union Switch and Signal Company, Swissvale, Pa. Coupling unit for communication systems. 2,529,280, Nov. 7.

Breisch, Edgar W., Edgewood, R. G. Reed, Swissvale, and L. R. Golladay, Forest Hills, assignors to The Union Switch and Signal Company, Swissvale, Pa. Wayside station line coupling means for train communication systems. 2,531,498, Nov. 28.

Breit, Robert J., San Antonio, Tex., assignor to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Accumulator. 2,532,143, Nov. 28.

Breitwieser, George, Flushing, N. Y. Cigarette case with spring follower. 2,519,020, Aug. 15.
Breivogel, Philip J.: *See*—
Sondern, Clarence W., and Breivogel.
Breivogel, Philip J., Glen Ridge, assignor to White Laboratories, Inc., Newark, N. J. Reduction of ketones. 2,509,127, May 23.
Breivogel, Philip J., Glen Ridge, assignor to White Laboratories, Incorporated, Newark, N. J. Diriboflavin ester of pyrophosphoric acid and its preparation. 2,535,385, Dec. 26.
Brekelbaum, Erwin C.: *See*—
Wendelburg, Frank W., and Brekelbaum.
Brekke, Peter, assignor to G. G. Bakewell, doing business as Bakewell Aircraft Products Company, Los Angeles, Calif. Quick action coupling. 2,511,396, June 13.
Brell, Jules J., Baldwin, assignor of fifteen per cent to H. Radzinsky, New York, N. Y. Fishing reel. 2,508,217, May 16.
Bremeier, George A., Brooklyn, N. Y. Overheating warning signal for vehicle radiators. 2,509,474, May 30.
Bremeier, George A., Brooklyn, N. Y. All purpose window. 2,513,445, July 4.
Bremer, Frederick J., assignor to The Mosler Safe Company, Hamilton, Ohio. Safe construction. 2,512,711, June 27.
Bremer, Fredrick J., assignor to The Mosler Safe Company, Hamilton, Ohio. Cash drawer or the like. 2,517,175, Aug. 1.
Bremer, Frederick J., assignor to The Mosler Safe Company, Hamilton, Ohio. Skirt for safes.. 2,529,761, Nov. 14.
Bremer, Norman C., assignor to Morse Chain Company, Ithaca, N. Y. Timing chain. 2,498,788, Feb. 28.
Bremner, John G. M., and D. G. Jones, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited. Production of substituted pyrans. 2,504,797, Apr. 18.
Bremner, John G. M., F. Starkey and D. A. Dowden, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited. Catalytic hydrogenation of alkenyl furans. 2,519,631, Aug. 22.
Brener, Mae, Newton, Mass. Combined structure for controlling a radio receiving set and a clock. 2,511,963, June 20.
Brenkert, Karl, Detroit, Mich., assignor to Radio Corporation of America. Gate actuating mechanism for motion-picture machines. 2,493,440, Jan. 3.
Brennan, Arthur R., executor: *See*—
Wait, William B.
Brennan, Catherine, North Bay, Ontario, Canada. Pleating for garments. 2,530,678, Nov. 21.
Brennan, Edward A.: *See*—
Hasselstrom, Torsten, and Brennan.
Brennan, James E.: *See*—
Levy, Robert M., and Brennan.
Brennan, Joan, St. Paul, assignor to Munsingwear, Inc., Minneapolis, Minn. Child's garment with trousers. 2,523,416, Sept. 26.
Brennan, Joan M., St. Paul, assignor to Munsingwear, Inc., Minneapolis, Minn. Child's garment. 2,520,357, Aug. 29.
Brennan, Joseph B., Bratenahl, Ohio, assignor to Everett D. McCurdy, trustee. Making condensers. 2,497,066, Feb. 14.
Brennan, Joseph B., Bratenahl Village, Ohio. Manufacture of precision articles from powdered material. 2,510,546, June 6.
Brennan, Joseph B., Bratenahl, Ohio. Bearing manufacture. 2,517,762, Aug. 8.
Brennan, Joseph B., Bratenahl, Ohio. Casting. 2,530,853, Nov. 21.
Brennan, Joseph B., Cleveland, Ohio. Casting apparatus. 2,530,854, Nov. 21.
Brennan, Linn S., Dayton, Ohio. Control unit. 2,495,691, Jan. 31.
Brennan, Mary A., Oak Park, Ill. Infant's undergarment. 2,525,396, Oct. 10.
Brennan, Raymond F., Attleboro, Mass. Religious device. 2,514,739, July 11.
Brennan, Raymond F., Attleboro, Mass. Religious cross structure. 2,519,819, Aug. 22.
Brennan, Thomas F., Detroit, Mich. Buffer. 2,515,188, July 18.
Brenneis, August F.: *See*—
Taylor, Edward C., and Brenneis.
Brenner, Abner, Chevy Chase, Md., and G. E. Riddell, Washington, D. C. Nickel plating by chemical reduction. 2,532,283, Dec. 5.
Brenner, Abner, Chevy Chase, Md., and G. E. Riddell, Washington, D. C. Cobalt plating by chemical reduction. 2,532,284, Dec. 5.
Brenner, Arthur B., Newark, N. J. Shipping case. 2,532,083, Nov. 28.
Brenner, James L., San Francisco, Calif. Clothesline support. 2,528,483, Nov. 7.
Brenner, Karl M., assignee: *See*—
Haslam, William E.
Brenner, Ray A., and C. T. Lenox, New Castle, W. A. Shearer, Indianapolis, C. F. Van Buskirk and E. R. Watkins, assignors, by mesne assignments, to New Castle Products, Inc., New Castle, Ind. Foldable closure. 2,512,736, June 27.
Brenner, Robert W., Foster's, and J. R. Petre, assignors to The American Laundry Machinery Company, Cincinnati, Ohio. Garment finishing apparatus. 2,533,761, Dec. 12.
Brenner, William C.: *See*—
Baudry, René A., and Brenner.
Brent, Bernard J., Montclair, N. J. Method of and apparatus for administering repeated injections. 2,531,667, Nov. 28.
Brent, George R., Beaumont, Tex. Motor vehicle spring suspension. 2,527,524, Oct. 31.
Brenton, Cora L., Jefferson City, Mo. Abdominal support. 2,511,767, June 13.
Breon, George A., & Company, assignee: *See*—
Brown, Harold P.
Goodson, Louis H., and Moffett.
Hoehn, Willard M.
Moffett, Robert B., and Hart.
Brereton, Christopher F., assignor to Vickers-Armstrongs Limited, London, England. Hoist for gun mountings and analogous purposes. 2,515,075, July 11.
Brereton, Christopher F., assignor to Vickers-Armstrongs Limited, London, England. Hoist for conveying loads to moving platforms. 2,526,847, Oct. 24.
Bresee, Fred, Jr., assignee: *See*—
Larsen, Rudolph H., and Bresee, Jr.
Bresee, William H., Williamsport, Pa., assignor to Sylvania Electric Products, Inc. Linearity correction for diodes. 2,511,562, June 13.
Breshears, Thomas A., and J. A. Franco, Emmett, Idaho. Protective guard for receptacles. 2,525,519, Oct. 10.
Breslow, David S., assignor to Hercules Powder Company, Wilmington, Del. Coating compositions. 2,515,290, July 18.
Breslow, David S., assignor to Hercules Powder Company, Wilmington, Del. Polyurethan coating compositions. 2,531,392, Nov. 28.
Breth, Walter J., assignor to The General Tire and Rubber Company, Akron, Ohio. Tread splice stitcher. 2,500,273, Mar. 14.
Breton, Treffle W.: *See*—
St. Pierre, Albert G., and Breton.
Brett, Lewis P., Fort Wayne, Ind., assignor to A. B. C. Sheet Metal Co., Inc. Air duct construction. 2,531,349, Nov. 21.
Bretz, Frank E., Jr., Oak Park, assignor to Ajax-Consolidated Company, Chicago, Ill. Blind construction. 2,520,524, Aug. 29.
Bretz, Rudolf C., Croton-on-Hudson, assignor to Columbia Broadcasting System, Inc., New York, N. Y. Optical projection and display apparatus. 2,499,351, Mar. 7.
Breuel, André A. L., Paris, France. Aircraft with sustaining airscrew. 2,517,282, Aug. 1.
Breuer Electric Mfg. Company, assignee: *See*—
Lanter, Clarence W.
Breuer, Frederick W., Lititz, assignor to Armstrong Cork Company, Lancaster, Pa. Coagulating emulsion polymerizates. 2,527,525, Oct. 31.
Breuer, Marcel, Cambridge, Mass. Plywood furniture frame. 2,503,933, Apr. 11.
Breukel, Stephanus J. H., Delft, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Settler. 2,497,392, Feb. 14.
Breukel, Stephanus J. H., The Hague, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Heating liquids in tube furnaces. 2,514,535, July 11.
Breuning, Karl, Flushing, N. Y. Plunger type photoflash switch. 2,530,938, Nov. 21.
Brevard, Procter, Tower, Minn. Supercharger. 2,529,864, Nov. 14.
"Brevets Aero Mecaniques S. A.", assignee: *See*—
Bonna, Louis.
Maillard, Bernard.
Weiss, Willi.
Brevets et Procédés Pryor S. A., assignee: *See*—
Belgeri, Paul
Brewczynski, John: *See*—
Brewczynski, Steve J. and John.
Brewczynski, Steve J. and J., Chicago, Ill. Stretching and drying device for fabric material. 2,508,353, May 23.
Brewer & Company, Inc., assignee: *See*—
Pease, Benjamin F., Jr.
Brewer, George W.: *See*—
Jones, Watkins W., and Brewer.
Jones, Watkins W., Brewer, and Court.
Brewer, James C., Dayton, Ohio. Fluid rate of flow indicator. 2,529,481, Nov. 14.
Brewer, John H., and T. J. Carski, assignors to Baltimore Biological Laboratory, Baltimore, Md. Petri dish cover. 2,533,088, Dec. 5.
Brewer, John H., and T. J. Carski, assignors to Baltimore Biological Laboratory, Baltimore, Md. Petri dish cover. 2,533,089, Dec. 5.
Brewer, Johnde W., Des Moines, Iowa. Shoe holder and clamp for polishing purposes. 2,498,358, Feb. 21.
Brewer, Robert F., Waynesburg, Pa. Baby bottle temperature retainer. 2,505,092, Apr. 25.
Brewer, Stuart D., Ballston Lake, N. Y., assignor to General Electric Company. Polysiloxanes. 2,519,881, Aug. 22.
Brewer-Titchener Corporation, The, assignee: *See*—
Johannsen, Udo K.

Brewer, Ward B., Glendale, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Overheat protector for heated windshields. 2,518,277, Aug. 8.
Brewer, William H., Dallas, assignor to C. M. Brazelton, Waco, Tex. Auxiliary door lock. 2,508,218, May 16.
Brewster, Leslie A., Dayton, Ohio. Temperature testing chamber. 2,510,952, June 13.
Brewster, James H., III, West Hartford, assignor to United Aircraft Corporation, Hartford, Conn. Cowl flap. 2,509,804, May 30.
Brewster, Morris B., Co. Inc., assignee: *See*—
Turner, Guilford S., Jr.
White, William H.
Brewster, Oswald C., Litchfield, Conn. Weighing device. 2,516,545, July 25.
Brewton, Lee, Melrose Park, assignor to Federated Machine Products Inc., Chicago, Ill. Electric cooking appliance. 2,497,205, Feb. 14.
Břežek, Rudolf, Prague-Smíchov, assignor to Tatra nardoni podnik, Koprivnice, Czechoslovakia. Air inlet structure for rear engine comparments of streamlined vehicles. 2,529,994, Nov. 14.
Břežek, Rudolf, Prague-Smíchov, assignor to Tatra nardoni podnik, Koprivnice, Czechoslovakia. Arrangement of mufflers and vehicle body chambers therefor. 2,529,995, Nov. 14.
Briam Industrial Corporation, assignee: *See*—
Eliason, Axel.
Brian, William S., Great Neck, assignor to Hanson-Gorrill-Brian, Inc., Glen Cove, N. Y. Space-charge tube. 2,506,265, May 2.
Brice, Thomas J.: *See*—
Simons, Joseph H., Pearlson, and Brice.
Brichard, Edgard, Jumet, assignor to Union des Verreries Mecaniques Belges, S. A., Charleroi, Belgium. Tool controlling device for glass cutting machines. 2,515,076, July 11.
Brick, Alexander, Clayton, Mo. Reversible dress. 2,498,332, Feb. 21.
Bricker, Carl E., Akron, and D. D. Neff, Uniontown, assignors to Wingfoot Corporation, Akron, Ohio. Rubber bushing for link mounted brakes. 2,533,186, Dec. 5.
Bricker, Samuel R., Shelby, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Heating apparatus. 2,508,638, May 23.
Brickley, Charles E.: *See*—
Baney, Harry N., Slentz, Kirkpatrick, and Brickley.
Brickley, James L., Spokane, Wash. Plural-stage stone-crushing mill with independent and arcuately swingable jaws. 2,498,151, Feb. 21.
Brickman, A. W., assignee: *See*—
Kraybill, Henry R., and Beadle.
Brickman, Alan E., Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey. Transload device. 2,531,552, Nov. 28.
Brickman, Alan E., Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey. Reinforcing plate for fence posts. 2,534,410, Dec. 19.
Brickmaster, Inc., assignee: *See*—
Malvicini, George J.
Bricout, Henri: *See*—
Latieule, Yves, and Bricout.
Bridgeman, Walter A.: *See*—
Newhall, Joseph F. P., and Bridgeman.
Bridgeport Brass Company, assignee: *See*—
Morris, Alan.
Waller, Richard J.
Bridgeport Metal Goods Manufacturing Company, The, assignee: *See*—
Abbotts, Leonard.
Houlihan, Rudolph N.
Moore, Arthur H.
Bridger, Grover L.: *See*—
Harvey, Stewart A., and Bridger.
Bridger, Grover L., Ames, Iowa, assignor to Tennessee Valley Authority. Production of phosphatic fertilizers. 2,522,500, Sept. 19.
Bridges, Donald A., Muncie, Ind., assignor to Owens-Illinois Glass Company. Building block. 2,532,478, Dec. 5.
Bridges, Edward B., Waycross, Ga. Scorekeeping device. 2,505,382, Apr. 25.
Bridges, James W., Charlotte, N. C. Picker stick check for looms. 2,521,893, Sept. 12.
Bridges, John H., Paterson, N. J., assignor, by mesne assignments, to National Inventions Corporation. Luminescent tube system and apparatus. 2,510,209, June 6.
Bridges, John W., Oklahoma City, Okla. Vibrating apparatus. 2,533,711, Dec. 12.
Bridges, Richard W., Farmingdale, and H. M. Jensen, Halesite, N. Y. Mechanical pencil with lead sharpening means. 2,507,089, May 9.
Bridgman, J. Allinton: *See*—
Lubs, Herbert A., Wirth, Spiegler, and Bridgman.
Bridwell, John W.: *See*—
Burks, George E., Bridwell, Lundberg, and Sieving.
Bridwell, John W., and R. Roman, Peoria, and J. L. Holden, El Paso, assignors to Caterpillar Tractor Co., Peoria, Ill. Adjustable track idler mounting for track type tractors. 2,511,098, June 13.
Bridwell, John W., J. E. Jass, and W. H. Wood, assignors to Caterpillar Tractor Co., Peoria, Ill. Clutch and brake for hydraulic cable control. 2,522,089, Sept. 12.
Bridy, Victor M., Atlas, Pa. Removable level unit with clamping means. 2,512,135, June 20.
Briechle, Ambrosius, Brooklyn, N. Y., and E. C. Worden, East Norwalk, Conn., assignors to Remington Rand Inc., Buffalo, N. Y. Variable film exposure aperture and film feed. 2,496,329, Feb. 7.
Bried, Edward A., Newport, assignor to Hercules Powder Company, Wilmington, Del. Carbohydrate preservative. 2,497,579, Feb. 14.
Bried, Edward A., Newport, assignor to Hercules Powder Company, Wilmington, Del. Corrosion inhibitor. 2,510,063, June 6.
Brief, Max, San Francisco, Calif. Adjustable shoulder pad for garments. 2,502,505, Apr. 4.
Brieger, Gerard R.: *See*—
Peterson, Russell G., and Brieger.
Brier, Kenneth C., and M. G. Tyler, North Hollywood, Calif. Producing stereoscopic negatives. 2,522,662, Sept. 19.
Brierly, Ralph C.: *See*—
Bonvillian, Claude A., Brierly, and Letvin.
Brietzke, Adrian P., assignor to Northern Engraving & Manufacturing Co., La Crosse, Wis. Indicator mechanism. 2,529,832, Nov. 14.
Brietzke, Adrian P., assignor to Northern Engraving & Manufacturing Co., La Cross, Wis. Indicator mechanism. 2,529,833, Nov. 14.
Brigaudet, Marcel, Annecy, France. Internal-combustion engine. 2,512,265, June 20.
Briggs, Albert, Sr.: *See*—
Moebes, August, and Briggs, Sr.
Briggs, Arthur T., Williamsport, Pa., assignor to Avco Manufacturing Corporation. Engine lubricating apparatus. 2,531,319, Nov. 21.
Briggs, Claude M., assignor of one-third to J. Shaw, Elk City, Okla. Adjustable photographer's posing chair. 2,497,580, Feb. 14.
Briggs, Earl R., Portland, Oreg. Marble cage push toy. 2,521,331, Sept. 5.
Briggs, Edward, Ames, Iowa. Dancing figure toy. 2,509,805, May 30.
Briggs, Eugene C.: *See*—
Cline, Harold A., and Briggs.
Briggs Filtration Company, The, assignee: *See*—
Ewbank, Walter J.
Briggs, Henry A., Spokane, Wash. Hoist. 2,531,668, Nov. 28.
Briggs, Howard G.: *See*—
Schellentrager, William S., Bale, and Briggs.
Briggs, James E., Alfred, assignor to Goodall-Sanford, Inc., Sanford, Maine. Machine for liquid cleaning of upholstered articles, fabrics, rugs, carpets, etc. 2,509,957, May 30.
Briggs Manufacturing Company, assignee: *See*—
Ball, Albert P.
Doty, Clifford B.
Gernandt, Waldo G.
Kerby, Addison C.
Krajenka, Casimir J.
Prance, Alvin W.
Vigmostad, Trygve.
Weymouth, Lawrence B.
Briggs, Martin C., Minneapolis, Minn. Door check and silencer for spring-actuated doors. 2,526,616, Oct. 24.
Briggs, Preston P.: *See*—
Wobker, Burle F., Sloan, and Briggs.
Briggs, Preston P., Bartlesville, Okla., assignor to Phillips Petroleum Company. Seal slot for catalyst bed screens in catalyst chambers. 2,505,850, May 2.
Briggs, Preston P. and R. E. Loebeck, Bartlesville, Okla., assignors to Phillips Petroleum Company. Control system for split coil heaters. 2,515,490, July 18.
Briggs, Quentin L., and R. A. Voyls, Fort Wayne, Ind., assignors to Chicago Musical Instrument Co., Chicago, Ill. Jet propelled toy boat. 2,511,323, June 13.
Briggs, Robert E., La Verne, Calif. Electrolytic water softening and pH adjustment. 2,535,035, Dec. 26.
Briggs & Stratton Corporation, assignee: *See*—
Armstrong, Werner E.
Brown, Hugh S., Armstrong, and Reichenbach.
Jacobi, Edward N.
Lechtenberg, Leo J.
Madlé, Alain M.
Bright, Elvin M., Milwaukee, Wis. Golf club head. 2,534,947, Dec. 19.
Bright, John, Oklahoma City, Okla. Wind-power machine. 2,534,411, Dec. 19.
Bright, Starling I., Greer, S. C. Self-threading shuttle. 2,493,568, Jan. 3.
Bright, T. G., & Co. Limited, assignee: *See*—
Hostetter, Jacob B.
Brightman, Earl D.: *See*—
Sessions, William K., Jr., and Brightman.
Bright Star Battery Company, assignee: *See*—
Keller, Frederick A.
Brightwell, George A., assignee: *See*—
Modlin, Franklin E.
Brill, Edward F., Milwaukee, Wis. Shelf mechanism for refrigerated display cases. 2,521,036, Sept. 5.
Brill, Edward F., and O. Schroeder, Milwaukee, Wis., said Schroeder assignor to said Brill. Refrigerated display case. 2,499,088, Feb. 28.

Brill, Edward F., and O. Schroeder, Milwaukee, Wis., said Schroeder assignor to said Brill. Refrigerated display case. 2,499,089, Feb. 28.
Brill, Edward F., and O. Schroeder, Milwaukee, Wis.; said Schroeder assignor to said Brill. Refrigerated display case. 2,522,090, Sept. 12.
Brill, Elkanah H., Birmingham, Mich. Flashlight switch operating mechanism. 2,530,505, Nov. 21.
Brill, Everett C., assignor of one-half to J. G. Schnell, Granby, Conn. Protective device. 2,532,285, Dec. 5.
Brill, Leo, New York, N. Y. Pocket key case. 2,527,175, Oct. 24.
Brill, Melville D., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Resonant impedance branch. 2,530,679, Nov. 21.
Brillhart, Adlai S., assignee: *See*— Burton, Mark.
Brillhart, Samuel E., Lutherville, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for advancing and working plastic material. 2,496,147, Jan. 31.
Brimble, Neville B., Houston, Tex. Side wall sample taker. 2,495,439, Jan. 24.
Brimer, Marshall R., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Composition useful as gum inhibitor for motor fuels. 2,496,930, Feb. 7.
Brimer, Marshall R., J. E. Magoffin, and H. Von Bramer, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Preparation of n-butylamine. 2,518,659, Aug. 15.
Brimm, H. S., assignee: *See*— Talbot, David B.
Brinen, Howard F., assignor to Young Radiator Company, Racine, Wis. Unit heater. 2,504,798, Apr. 18.
Brinen, Howard F., assignor to Young Radiator Company, Racine, Wis. Internal fin for heat-exchanger tubes. 2,514,468, July 11.
Briner, Darrell E.: *See*— Spriggs, Arthur O., and Briner.
Brines, Melvin E., and T. W. Sarge, assignors to The Dow Chemical Company, Midland, Mich. Cleaning scaled vessels. 2,524,757, Oct. 10.
Briney, James W., assignee: *See*— Briney, Ottis R., Jr.
Briney, Ottis R., Jr., Pontiac, Mich., assignor to one-half to J. W. Briney. Boring tool. 2,506,338, May 2.
Briney, Ottis R., Jr., Pontiac, Mich., assignor of one-half to J. W. Briney. Cutting tool. 2,524,374, Oct. 3.
Brink, Mary E., Grand Island, Mo. Diaper. 2,516,951, Aug. 1.
Brink, Norman G., Princeton, and K. Folkers, Plainfield, assignors to Merck & Co. Inc., Rahway, N. J. Hydrolysis of streptomycin hydrochloride. 2,520,197, Aug. 29.
Brink, Norman G., and K. Folkers, Plainfield, assignors to Merck & Co., Inc., Rahway, N. Y. 5,6-dimethylbenzimidazole and acid salts thereof. 2,522,854, Sept. 19.
Brink, Norman G., Princeton, and K. Folkers, Plainfield, assignors to Merck & Co., Inc., Rahway, N. J. Hydrochlorides of streptomycin oxime and streptomycin amine. 2,532,393, Dec. 5.
Brink, Theodore R., Michigan City, Ind., assignor to International Harvester Company. Polishing machine for bearing races. 2,527,791, Oct. 31.
Brinker, John H.: *See*— Budai, Steve G., and Brinker.
Brinker, John H., assignor to The Globe-Wernicke Co., Norwood, Ohio. Visible record tray carrier. 2,519,632, Aug. 22.
Brinker, John H., and F. Conley, assignors to The Globe-Wernicke Co., Norwood, Ohio. Folding typewriter platform for pedestal desks. 2,498,243. Feb. 21.
Brinker, William E., and V. C. Williams, Evanston, Ill. Detecting acid anhydride-forming gases such as carbon monoxide and gaseous acid anhydrides. 2,517,382, Aug. 1.
Brinson, Harry A., Sidney, assignor to Bendix Aviation Corporation, New York, N. Y. Spark plug or the like. 2,508,354, May 23.
Brinson, Harry A., Sidney, assignor to Bendix Aviation Corporation, New York, N. Y. Ignition system. 2,527,211, Oct. 24.
Brinson, Leon G.: *See*— Spencer, Barnard J., Jr., and Brinson.
Brinster, John F., Princeton, N. J., and J. Larsen, Jackson, Mich., assignors to Research Corporation, New York, N. Y. Signal converter for multisignal transmission systems. 2,533,552, Dec. 12.
Brinton, Cecil C., assignor of one-half to Brintons Limited, Worcester, England. Tuft-cutting mechanism for Axminster-carpet and other tufted-fabric looms. 2,512,302, June 20.
Brinton, Curt H., New York, N. Y. Combination article carrier. 2,521,037, Sept. 5.
Brinton, H., Co., assignee: *See*— Epstein, Ruben.
Brintons Limited, assignee: *See*— Brinton, Cecil C.
Briscoe, Elmer G., Fresno, Calif. Tool bar mount. 2,530,565, Nov. 21.
Briscoe, James W., Los Angeles, Calif. Concrete block molding machine. 2,515,491, July 18.
Briskin, Jack, and J. J. Golick, assignors to Revere Camera Company, Chicago, Ill. Camera case and locking mechanism therefor. 2,505,661, Apr. 25.
Briskin, Theodore S., Santa Monica, Calif., assignor to Excel Auto Radiator Company, Chicago, Ill. Combustion heater. 2,524,158, Oct. 3.
Briskman, Samuel, assignee: *See*— Christensen, Kaj S.
Sherr, Sava I.
Brisse, Andre H., Gary, Ind., assignor to Carnegie-Illinois Steel Corporation. Method and apparatus for continuous cleaning of metal strip. 2,529,762, Nov. 14.
Bristol Aeroplane Company Limited, The, assignee: *See*— D'Assis-Fonseca, Evelyn C. M.
Frise, Leslie G.
Hafner, Raoul.
Owner, Frank M., and Henstridge.
Owner, Frank M., and Marchant.
Whitehead, Frederick W., and Bedford.
Bristol, Benjamin H., assignor to The Foxboro Company, Foxboro, Mass. Instrument case construction. 2,528,735, Nov. 7.
Bristol Company, The, assignee: *See*— Beecher, John W.
Blakeslee, Clinton A.
Blakeslee, Clinton A., Balanda, and Dyson.
Borden, Perry A.
Bristol, Franklin B.
Cowherd, Robert D.
Eddison, William B., and Jacobson.
Hicks, James R., and Ellis.
Jacobson, Abraham W.
Janvrin, Everett B.
Mabey, Charles A.
Maltby, Frederick L.
Peckham, Joseph W.
Russell, John L.
Stilson, Edgar L.
Thompson, Alvah I.
Thynell, Gustave M.
Bristol, Ferdinand, Montclair, N. J. Toy loading truck. 2,522,925, Sept. 19.
Bristol, Franklin B., Middlebury, assignor to The Bristol Company, Waterbury, Conn. Insulated thermocouple with metallic coating. 2,516,952, Aug. 1.
Bristol, Franklin B., Middlebury, assignor to The Bristol Company, Waterbury, Conn. Relay system. 2,528,336, Oct. 31.
Bristol Laboratories Inc., assignee: *See*— Buckwalter, Frank H.
Cooper, Douglas E.
Bristol Steel & Iron Works, Inc., assignee: *See*— Ferguson, Robert O.
Britain, Aubrey A., and R. L. Strode, Jr., Marblehead, Mass., assignors to General Electric Company. Dynamoelectric machine cast winding rotor and making. 2,509,720, May 30.
Britan, Norman: *See*— Coffey, Charles A., Walton, and Britan.
British Acoustic Films Limited, assignee: *See*— Kolb, Otto K., and Petersen.
Kolb, Otto K., and Smith.
British Artificial Resin Company Limited, assignee: *See*— Nicholson, John C.
British Celanese Limited, assignee: *See*— Fisher, James W., and Wheatley.
Levers, James F., Patchett, and Bowles.
British Cotton Industry Research Association, The, assignee: *See*— Henry, Philip S. H., McDonald, and Todd.
Owen, Thomas W.
British Cotton Industry Research Association, Shirley Institute, assignee: *See*— Jones, Eric H.
British Industrial Solvents Limited, assignee: *See*— Craven, Ernest C., Harbard, and Tuerck.
British Insulated Callender's Cables Limited, assignee: *See*— Forrester, William F., Hinde, and Szigeti.
Hancock, Douglas C., and Lorch.
Hill, Harry, and Beckinsale.
Hollingsworth, Douglas T.
Hunter, Philip V.
Lorch, Herman R., Hancock, and Richardson.
British Mechanical Productions Limited, assignee: *See*— Deakin, Stanley T.
Fuke, Francis C.
British Resin Products, Limited, assignee: *See*— Anthony, Leonard R., Frenkel, Smith, and Wicking.
Davies, Drury N.
Evans, Edward M., and Hookway.
British Rubber Company of Canada Limited, The, assignee: *See*— Lewis, Alan B.
British Rubber Producers Research Association, The, assignee: *See*— Cunneen, John I.
British Telecommunications Research Limited, assignee: *See*— Terlecki, Renat, and Leigh.
British Thermostat Company Limited, The, assignee: *See*— Sherlock, John E.

British Tricolour Processes Limited, assignee: *See*—
Coote, Jack H.
Coote, Jack H., and Jenkins.

Britt, Bryant L., Maplewood, assignor to Wagner Electric Corporation, St. Louis, Mo. Fluid controlled winch. 2,510,619, June 6.

Britten, Edwin F., Jr., Short Hills, assignor to Monroe Calculating Machine Company, Orange, N. J. Calculating machine. 2,530,149, Nov. 14.

Britton, Edgar C.: *See*—
Livak, John E., and Britton.
Sexton, Arthur R., and Britton.
White, Halbert C., and Britton.

Britton, Edgar C., and E. Monroe, Midland, and C. R. Hand, Stanford, assignors to The Dow Chemical Company, Midland, Mich. Di-aryloxy-methanes. 2,493,711, Jan. 3.

Britton, Edgar C., and L. F. Berhenke, assignors to The Dow Chemical Company, Midland, Mich. Dichloroacetic acid purification. 2,495,440, Jan. 24.

Britton, Edgar C., and G. H. Coleman, assignors to The Dow Chemical Company, Midland, Mich. Diacridyl diamine derivatives. 2,503,899, Apr. 11.

Britton, Edgar C., and R. L. Brown, assignors to The Dow Chemical Company, Midland, Mich. Propylene glycol monoaryl ether-esters of sulfosuccinic acid. 2,510,008, May 30.

Britton, Edgar C., and L. F. Berhenke, assignors to The Dow Chemical Company, Midland, Mich. Preparation of organo-siloxane polymers. 2,521,673, Sept. 12.

Britton, Edgar C., Midland, Mich., and L. W. Byers, Urbana, Ill., assignors to The Dow Chemical Company. Preparing organosiloxane resins. 2,521,674, Sept. 12.

Britton, Edgar C., and L. E. Begin, assignors to The Dow Chemical Company, Midland, Mich. Esters of 2,4-dichlorophenoxy-acetic acid. 2,523,187, Sept. 19.

Britton, Edgar C., and L. E. Begin, assignors to The Dow Chemical Company, Midland, Mich. Esters of 2,4-dichlorophenoxy-acetic acid. 2,523,188, Sept. 19.

Britton, Edgar C., and L. E. Begin, assignors to The Dow Chemical Company, Midland, Mich. Esters of 2,4-dichlorophenoxy-acetic acid. 2,523,189, Sept. 19.

Britton, Edgar C., and W. J. Le Fevre, assignors to The Dow Chemical Company, Midland, Mich. Vinylidene chloride and vinyl chloride polymer compositions of improved heat stability. 2,525,643, Oct. 10.

Britton, Edgar C., and E. Monroe, Midland, and C. R. Hand, Sanford, assignors to The Dow Chemical Company, Midland, Mich. Di (aryloxy)-methanes. 2,526,534, Oct. 17.

Britton, Edgar C., and J. C. Vander Weele, Midland, Mich., and J. E. Livak, Clemson, S. C., assignors to The Dow Chemical Company, Midland, Mich. Halogenated derivatives of aliphatic acids, lactones and making same. 2,530,348, Nov. 14.

Britton, Edgar C., and H. R. Slagh, assignors to The Dow Chemical Company, Midland, Mich. Aryl esters of 4-chlorobenzene sulfonic acid. 2,532,222, Nov. 28.

Britton, Orson J., Fairport, assignor to Rochester Shoe Tree Co., Inc., Rochester, N. Y. Shoe tree. 2,517,967, Aug. 8.

Britton, Orson J., Grand Island, N. Y. Bib construction. 2,525,115, Oct. 10.

Britton, Roscoe C., and W. McEwan, Gary, Ind., assignors to Carnegie-Illinois Steel Corporation. Machine for stamping metal blanks. 2,521,628, Sept. 5.

Brizendine, Carrol E., Burbank, Calif. Music typewriter. 2,528,110, Oct. 31.

Brizzolara, Alfred A., Belleville, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Azo pigments and coating compositions containing same. 2,508,448, May 23.

Brno Arms Factory, National Corporation: *See*—
Heyrovský, Jaroslav.
Werner, Vilém, and Kubelka.

Broadbent, John H., Baltimore, Md., assignor to the United States of America as represented by the Secretary of the Navy. Altitude responsive control device. 2,528,575, Nov. 7.

Broadway, Leonard F., Ickenham, England, assignor to Electric and Musical Industries, Ltd. Electron discharge device employing cavity resonator. 2,531,195, Nov. 21.

Broadway, Leonard F., Ickenham, and A. H. Atherton, assignors to Electric & Musical Industries Limited, Hayes, England. Electron discharge device employing hollow resonator. 2,508,141, May 16.

Broadwell, Hiram W., assignee: *See*—
Mitchel, Edward W.

Broberg, Walter O. W.: *See*—
Vigren, Stan D., Broberg, and Olsson.

Bröchner, Henry S., assignor to International Morfat Corporation, Copenhagen, Denmark. Emulsifying apparatus. 2,509,288, May 30.

Brochu, John B., Beverly, Mass. Combined laundry cabinet and ironing board. 2,499,455, Mar. 7.

Brock, Emral, Springfield, Mo. Drain attachment. 2,531,721, Nov. 28.

Brock, Frederick W., Tompkinsville, N. Y., assignor to Keystone View Company, Meadville, Pa. Triple slide holder device for stereoscopic slides. 2,533,347, Dec. 12.

Brock, James E., Longview, Wash. Firearm. 2,512,998, June 27.

Brock, John B., Adairsville, Ga. Multiple compartment vending machine. 2,493,223, Jan. 3.

Brock, John B., Adairsville, Ga., assignor of one-half to W. H. Barnhardt, Charlotte, N. C. Coin-controlled bottle dispensing machine. 2,523,677, Sept. 26.

Brock, Joseph L., Anselma, Pa. Trailer hitch ball cover. 2,517,176, Aug. 1.

Brock, Joseph L., El Monte, Calif. Trailer hitch ball cover. 2,512,222, June 20.

Brock, Joseph L., El Monte, Calif. Pendulum level indicator. 2,527,982, Oct. 31.

Brock & Rankin, assignee: *See*—
Hildmann, William B.

Brock, William H. J., Leamington Spa, England, assignor, by mesne assignments, to Aeroquip Corporation, Jackson, Mich. Pipe coupling. 2,505,093, Apr. 25.

Brockel, William E.: *See*—
Worn, George A., and Brockel.

Brockhouse Engineering (Southport) Limited, assignee: *See*—
Gatiss, Albert L.

Brockman, Ellwood W., and C. D. Wagner, Tulsa, Okla. Portable rig shelter. 2,528,721, Nov. 7.

Brockman, Frank, Dobbs Ferry, assignor to Philips Laboratories, Inc., Irvington-on-Hudson, N. Y. Electrical condenser. 2,509,758, May 30.

Brockman, Frank G., Dobbs Ferry, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated. Apparatus for measuring radiant energy. 2,516,672, July 25.

Brockman, John A., Jr.: *See*—
Koepfli, Joseph B., Mead, and Brockman.

Brockman, Lyle, assignor to General Railway Signal Company, Rochester, N. Y. Single channel two-way communication system. 2,501,986, Mar. 28.

Brockman, Morton S., Cleveland, Ohio. Synchronizer. 2,528,684, Nov. 7.

Brockmann, Clifton L., Coquille, Oreg. Ceiling paper hanger. 2,521,501, Sept. 5.

Brockway, Charles E.: *See*—
Spaulding, David C., and Brockway.

Brockway Company, The, assignee: *See*—
Guarnaschelli, Stephen.
Richardson, James C.

Brockway Glass Co., Inc., assignee: *See*—
Poole, James P.

Brockway, Wilhelm W., and L. Le Cron, Los Angeles, and J. H. Young, Playa Del Ray, Calif. Relaxation inducing apparatus. 2,501,808, Mar. 28.

Brockwell, Lloyd A.: *See*—
Breeze, George E., and Brockwell.

Brod, John S.: *See*—
Henry, Ronald A., and Brod.

Brod, John S., Wyoming, assignor to The Procter & Gamble Company, Cincinnati, Ohio. Sulfonation of allyl esters. 2,529,537, Nov. 14.

Brod, John S., Wyoming, Ohio, and R. A. Henry, Inyokern, Calif., assignors to The Procter & Gable Company, Cincinnati, Ohio. Sulfonation of unsaturated esters. 2,529,539, Nov. 14.

Brodbeck, Almer H., assignor to American Stove Company, St. Louis, Mo. Range base. 2,535,528, Dec. 26.

Brode, George E., Newark, and H. B. Steinhauser, Montclair, N. J., assignors to Federal Telephone and Radio Corporation, New York, N. Y. Two-way amplifier for eliminating oppositely directed signals. 2,496,266, Feb. 7.

Brode, Robert B., Berkeley, Calif., and R. G. Ferris, Harvard, Ill., assignors to the United States of America as represented by the Secretary of the Navy. Antenna and oscillator coil unit. 2,509,903, May 30.

Broder, Harry, deceased, New York; W. Felstiner, L. Broder, and J. F. Berlinger, executors, assignors to L. Broder, Flushing, N. Y. Lipstick holder. 2,504,490, Apr. 18.

Broder, Harry, deceased, New York; W. Felstiner, L. Broder, and J. F. Berlinger, executors of said H. Broder, assignors to L. Broder, Flushing, N. Y. Lipstick holder. 2,511,965, June 20.

Broder, Harry, deceased, New York; W. Felstiner, L. Broder, and J. F. Berlinger, executors of said H. Broder, assignors to L. Broder, Flushing, N. Y. Lipstick holder. 2,511,966, June 20.

Broder, Leonard, executor, assignee: *See*—
Broder, Harry.

Broderick & Bascom Rope Company, assignee: *See*—
Von Wehrden, Frederick W.

Broderick, Frederick C., Glencoe, Ill. Heating system with mixing valve. 2,504,491, Apr. 18.

Broderick, John J.: *See*—
Berlyn, Martin J., and Broderick.
Webb, James L., Jr., Broderick, and Herz.

Broders, Claude E.: *See*—
Treglown, George, and Broders.

Brodie, George R., Lower Merion Township, Montgomery County, and W. M. Hawkes, Jr., Philadelphia, Pa., assignors to Fred'k H. Levey Co., Inc., New York, N. Y. Method of and apparatus for printing. 2,530,282, Nov. 14.

Brodie, Ralph N., Company, assignee: *See*—
Berck, William F.

Brodin, Arvid, Los Angeles, Calif. Fertilizer mixer and dispenser. 2,501,260, Mar. 21.

Broding, Robert A., Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Electrical logging system. 2,535,666, Dec. 26.

Brodsky, Frank, New York, N. Y. Multiple filling and sealing device. 2,511,324, June 13.

Brodsky, Harry, Philadelphia, Pa. Stamp mount. 2,508,854, May 23.

Brodsky, Saul, Croton, N. Y. Fountain brush and attachment therefor. 2,500,306, Mar. 14.

Brody, Arthur, Newark, N. J. Protective cover for book jackets. 2,522,926, Sept. 19.

Brody, Sol M., Philadelphia, Pa. Combination container and heater. 2,512,712, June 27.

Broekhuysen, William C., Garden City, N. Y., assignor to American Machine and Foundry Company. Control mechanism for bowling pin spotting machines. 2,525,766, Oct. 17.

Broeren, Frank L., Neenah, Wis., and G. W. Holt, Jr., Menominee, Mich., assignors to Marathon Corporation, Rothschild, Wis. Dispensing package. 2,522,253, Sept. 12.

Broersma, Robert J., assignor of one-half to H. T. Parker, Grand Haven, and one-half to N. E. Hubbell, Zeeland, Mich. Display rack. 2,532,600, Dec. 5.

Brogdex Company, assignee: *See—*
Ford, Stoddard I.
Gould, Robert C.
Miller, Walter E.

Brogren, Johan T., Domnarvet, and J. F. Larsson, Borlange, Sweden. Displacing, swinging, and adjusting plates in relation to shears. 2,515,548, July 18.

Brohard, Montie M., Jr., Norwood, Ohio. Trousers or the like. 2,506,411, May 2.

Broido, Daniel, Cockfosters, near Barnet, England. Calculating machine. 2,501,929, Mar. 28.

Broido, Daniel, Cockfosters, near Barnet, England. Registering device. 2,501,930, Mar. 28.

Broker, Walter: *See—*
Underwood, Harold W., and Broker.

Bromfield, Isadore, Waban, Mass. Winch driving mechanism. 2,498,244, Feb. 21.

Bromley, William H., Jr., Agawam, assignor to Shawinigan Resins Corporation, Springfield, Mass. Vinyl resin dispersion. 2,532,223, Nov. 28.

Bromo-Mint Compay, assignee: *See—*
Sivitz, Moses.

Bronk, Fay E., and G. K. Cameron, assignors to Ritter Company, Inc., Rochester, N. Y. Syringe. 2,523,809, Sept. 26.

Bronnenkant, Paul H., assignor to Smith Victory Corporation, Buffalo, N. Y. Hinged container. 2,526,458, Oct. 17.

Bronson, Frank E., Elizabeth, N. J. Safety guard for automobile door handles. 2,523,940, Sept. 26.

Bronson, Frederic L., Copiague, assignor to Criterion Bell & Specialty Co., Inc., Long Island City, N. Y. Ringing bell device for Christmas trees and other uses. 2,515,439, July 18.

Bronson, George E., Naugatuck, Conn., assignor to The American Brass Company. Coil-handling apparatus. 2,526,725, Oct. 24.

Bronson, Sabin C., Hammond, Ind., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Coupler operating mechanism. 2,499,567, Mar. 7.

Bronzan, Blasito: *See—*
Langstaff, Clinton A., and Bronzan.

Brook, John H., Toronto, Ontario, Canada. Dolly for washing machines. 2,495,999, Jan. 31.

Brooke, Albert, and W. Naumann, Staten Island, N. Y. Automatic starter switch. 2,510,460, June 6.

Brooke Engineering Company, Inc., assignee: *See—*
Brooke, George A., Jr., and Chambers.

Brooke, George A., Jr., Philadelphia, and C. C. Chambers, Lansdowne, assignors to Brooke Engineering Company, Inc., Philadelphia, Pa. Electric motor control system. 2,503,091, Apr. 4.

Brooke, Lloyd F., Berkeley Highland Terrace, and W. E. Elwell and R. L. Meier, Berkeley, assignors to California Research Corporation, San Francisco, Calif. Aliphatic olefins and cyclic manufacture thereof. 2,500,307, Mar. 14.

Brooke, Lloyd F., Berkeley Highland Terrace, G. E. Langlois, El Cerrito, Calif., and A. E. Stickland, Mount Royal, Montreal, Quebec, Canada, assignors to California Research Corporation, San Francisco, Calif. Treatment of isomeric aromatic compounds. 2,521,444, Sept. 5.

Brooker Engineering Co., assignee: *See—*
Drake, Earl D.

Brooker, Leslie G. S.: *See—*
Dent, Samuel G., Jr., and Brooker.
Keyes, Grafton H., and Brooker.
Sprague, Robert H., and Brooker.
Van Lare, Earl, and Brooker.
Van Zandt, Gertrude, and Brooker.
White, Frank L., and Brooker.

Brooker, Leslie G. S., and F. L. White, assignors to Eastman Kodak Company, Rochester, N. Y. Acid merocyanine dyes. 2,493,747, Jan. 10.

Brooker, Leslie G. S., and G. H. Keyes, assignors to Eastman Kodak Company, Rochester, N. Y. Merocyanine dyes. 2,493,748, Jan. 10.

Brooker, Leslie G. S., and F. L. White, assignors to Eastman Kodak Company, Rochester, N. Y. Dimethine merocyanine dyes. 2,494,031, Jan. 10.

Brooker, Leslie G. S., and F. L. White, assignors to Eastman Kodak Company, Rochester, N. Y. Styryl dyes. 2,494,032, Jan. 10.

Brooker, Leslie G. S., and R. H. Sprague, assignors to Eastman Kodak Company, Rochester, N. Y. Polymethine dyes containing a triazole nucleus. 2,503,709, Apr. 11.

Brooker, Leslie G. S., and F. L. White, assignors to Eastman Kodak Company, Rochester, N. Y. Heterocyclic bis acetones, thioacetones and selenoacetones. 2,520,358, Aug. 29.

Brooker, Leslie G. S., and R. H. Sprague, assignors to Eastman Kodak Company, Rochester, N. Y. Cyanine dyes containing a 3,4-dihydroisoquinoline nucleus. 2,525,520, Oct. 10.

Brooker, Leslie G. S., and F. L. White, assignors to Eastman Kodak Company, Rochester, N. Y. Acid merocyanine dyes. 2,526,632, Oct. 24.

Brookins, Richard N., South Gate, assignor to Essick Manufacturing Company, Los Angeles, Calif. Portable mixer. 2,499,052, Feb. 28.

Brookins, Richard N., Southgate, assignor to Bryant Essick, Los Angeles, Calif. Liquid distributor. 2,522,600, Sept. 19.

Brookins, Richard N., South Gate, assignor to Bryant Essick, Los Angeles, Calif. Evaporative cooler. 2,535,386, Dec. 26.

Brooks, Chester A., Mission, Kans. Rotatable closure structure having yieldable locking means. 2,533,915, Dec. 12.

Brooks, Chester A., Mission, Kans. Lock washer. 2,533,916, Dec. 12.

Brooks, Clede: *See—*
Thompson, Walter, and Brooks.

Brooks, Donald B.: *See—*
Howard, Frank L., and Brooks.

Brooks, E. J., Company, assignee: *See—*
Brooks, Winfred M.
Moberg, Sigurd M.

Brooks, Edra M., and V. A. Jeffries, Los Angeles, Calif. Noncrushable lunch-box pie container. 2,525,337, Oct. 10.

Brooks, Edward H., Jr., assignee: *See—*
Brooks, Edward H., Sr.

Brooks, Edward H., Sr., assignor of one-half to E. H. Brooks, Jr., Portland, and one-half to E. H. Thompson, Cape Elizabeth, Maine. Fiber scouring and washing bowl. 2,493,944, Jan. 10.

Brooks, Edward H., Sr., assignor of one-half to E. H. Brooks, Jr., Portland, and one-half to E. H. Thompson, Cape Elizabeth, Maine. Fiber pickup drum and squeeze roll. 2,498,646, Feb. 28.

Brooks, Edward H., Sr., assignor of one-half to E. H. Brooks, Jr., Portland, and one-half to E. H. Thompson, Cape Elizabeth, Maine. Feed box for fiber scouring machines. 2,533,218, Dec. 12.

Brooks, George D., Oil Hill, Kans. Glare eliminator. 2,519,222, Aug. 15.

Brooks, Harvey: *See—*
Sebring, Paul B., and Brooks.

Brooks, John W.: *See—*
Caesar, Philip D., Johnson, and Brooks.
Garwood, William E., Brooks, and Sachanen.

Brooks, John W., Wenonah, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Trithienyltrithio-orthoformate. 2,522,489, Sept. 19.

Brooks, John W., Wenonah, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Mineral oil compositions containing trithienyl-trithio-orthoformate. 2,522,490, Sept. 19.

Brooks, John W., Wenonah, and A. N. Sashanen, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Mineral oil composition containing thienyl sulfides. 2,534,223, Dec. 19.

Brooks, Julius: *See—*
Wald, Morton, Brooks and Leaman.

Brooks, Lester A., Fairfield, Conn., assignor to R. T. Vanderbilt Company, Inc., New York, N. Y. Preparation of 2-mercapto, 5-chlorobenzothiazole. 2,499,627, Mar. 7.

Brooks, Lester A., Norwalk, Conn., assignor to R. T. Vanderbilt Co., Inc., New York, N. Y. Preparing 2-mercapto-5-chlorobenzothiazole. 2,499,628, Mar. 7.

Brooks, Lester A., Stamford, Vt., M. Markarian, North Adams, and M. Nazzewski, Adams, assignors to Sprague Electric Company, North Adams, Mass. Vinyl diaryl ether polymers. 2,522,501, Sept. 19.

Brooks, Mark L.: *See—*
Warner, Floyd F., Brooks, and Bardelmeier.

Brooks Paper Company, assignee: *See—*
Reid, Marshall B.

Brooks, Philip A., Westwood, Mass. Circular knitting machine. 2,525,586, Oct. 10.

Brooks, Richard E.: *See—*
Gresham, William F., and Brooks.
Gresham, William F., Brooks, and Bruner.

Brooks, Richard E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of 5-carbon acyclic aldehydes. 2,517,383, Aug. 1.

Brooks, Vernon A., assignee: *See—*
Kay, John F.

Brooks, William C., assignor to Niagara Alkali Company, Niagara Falls, N. Y. Pumping apparatus. 2,518,597, Aug. 15.

Brooks, Winfred M., West Orange, assignor to E. J. Brooks Company, Newark, N. J. Seal. 2,496,905, Feb. 7.

Brookshier, James W., assignor to Crown Cork Specialty Corporation, Decatur, Ill. Mechanical mobile toy. 2,528,494, Nov. 7.

Broome, Arley G., Waco, and H. S. Meanor, Center Point, Tex. Animal trap. 2,505,662, Apr. 25.

Broome, Tally A., assignor of fifty per cent to W. Quinn, Clovis, N. Mex. Rail heater. 2,500,399, Mar. 14.

Broos, Henricus A.: *See*—
Blok, Henri, and Broos.
Van Loon, Carel J., and Broos.

Broos, Henricus A., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Circuit arrangement for the expansion of electrical oscillations. 2,503,996, Apr. 11.

Broos, Henricus A., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Reflex amplifier circuit arrangement. 2,508,936, May 23.

Broos, Jan: *See*—
Kröger, Ferdinand A., and Broos.

Brophy, Clarence E.: *See*—
Miller, Harry G., and Brophy.

Brophy, John J., Salem, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Manufacture of shoes. 2,520,995, Sept. 5.

Brose, Horace B. and L. D., Chicago, Ill. Nursing bottle holder. 2,510,953, June 13.

Brose, Lazetta D.: *See*—
Brose, Horace B. and L. D.

Brosemer, Robert L., Sacramento, Calif. Pan-advance adjusting mechanism for oven feeding machines. 2,509,475, May 30.

Broshears, Lee, Fowler, Ind. Electric lantern. 2,529,910, Nov. 14.

Brosky, Stanley A., Carnegie, assignor to Pittsburgh Testing Laboratory, Pittsburgh, Pa. Method and apparatus for X-ray analysis. 2,504,389, Apr. 18.

Brostrom, Charles G., Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Wood veneer edge scarfing machine. 2,505,880, May 2.

Brotheridge, John: *See*—
Prince, Earl S., and Brotheridge.

Brothers, Edwin S., Brooklyn, N. Y. Cigarette holder. 2,511,898, June 20.

Brothers, Leonard C., Lewisberry, and W. A. Sheetz, Harrisburg, Pa. Automatic stop for railroad rolling stock. 2,510,954, June 13.

Brothers, Lewis R., North Hollywood, Calif. Phonograph pickup arm. 2,496,035, Jan. 31.

Brothman, A., & Associates, assignee: *See*—
Brothman, Abraham.

Brothman, Abraham, Long Island City, assignor to A. Brothman & Associates, New York, N. Y. Apparatus for field-filling high-pressure dispensers. 2,508,142, May 16.

Brotman, Hyman D., Detroit, Mich., assignor, by mesne assignments, to Horton Manufacturing Company, Fort Wayne, Ind. Control knob. 2,498,835, Feb. 28.

Brotman, Hyman D., Detroit, Mich., assignor, by mesne assignments, to Horton Manufacturing Company, Fort Wayne, Ind. Clothes-washing machine. 2,526,002, Oct. 17.

Brougher, George R., deceased, Bremen, Ind., G. M. Brougher, administratrix, assignor, by mesne assignments, to The Dalton Engineering Corporation, Warsaw, Ind. Trailer hitch. 2,515,856, July 18.

Brougher, Grace M., administratrix: *See*—
Brougher, George R.

Broughton, Donald B., assignor to Godfrey L. Cabot, Inc., Boston, Mass. Manufacture of finely divided silica. 2,535,036, Dec. 26.

Broughton, Douglas J., assignor to Buxton, Incorporated, Springfield, Mass. Flexible pocket receptacle. 2,504,248, Apr. 18.

Broughton, Douglas J., assignor to Buxton, Incorporated, Springfield, Mass. Billfold construction permitting releasable combination therewith of a multiple pass case or the like. 2,531,605, Nov. 28.

Broughton, Douglas J., assignor to Buxton, Incorporated, Springfield, Mass. Side and top opening pocket case adapted to receive a memorandum pad. 2,531,606, Nov. 28.

Broughton, Douglas J., assignor to Buxton, Incorporated, Springfield, Mass. Billfold adapted to receive a removable pass case. 2,535,387, Dec. 26.

Brouillard, Robert E.: *See*—
Lecher, Hans Z., Brouillard, and Giambalvo.
Scalera, Mario, and Brouillard.

Broun, Archibald C., Cook, Minn. Measuring dispenser having a cylindrical chamber and a rotary measuring element mounted therein. 2,518,520, Aug. 15.

Brounn, Morrison J.: *See*—
Merker, David, and Brounn.

Brouse, Harold L., Cincinnati, Ohio, assignor, by mesne assignments, to Robot Appliances, Inc., Detroit, Mich. Magnetic switch. 2,520,525, Aug. 29.

Brouse, William H. D., Toronto, Ontario, Canada, assignor to Teleflex Incorporated, Philadelphia, Pa. Locking device for push-pull controls. 2,496,931, Feb. 7.

Broussard, Harvey J., heir: *See*—
Broussard, Rene J., and Tilly.

Broussard, Lelia G., heir: *See*—
Broussard, Rene J., and Tilly.

Broussard, Mayo, Los Angeles, Calif. Cap for collapsible tube dispensers. 2,534,498, Dec. 19.

Broussard, Nat, heir: *See*—
Broussard, Rene J., and Tilly.

Broussard, Rene, heir: *See*—
Broussard, Rene J., and Tilly.

Broussard, Rene J., deceased, New Iberia, and J. G. Tilly, Opelousas, La., L. G., H. J., N., and R. Broussard, sole heirs of said R. J. Broussard; said L. G. Broussard, natural tutrix of said N. and R. Broussard, minors. Air and water spray for dental engines. 2,532,054, Nov. 28.

Brousseau, Fred, Schenectady, and P. J. Brousseau, Peasleeville, N. Y. Fuel mixing device. 2,522,743, Sept. 19.

Brousseau, Philip J.: *See*—
Brousseau, Fred and P. J.

Brousseau, René, assignor to Better Seats Co., Montreal, Quebec, Canada. Auxiliary raisable chair seat. 2,521,281, Sept. 5.

Brouwer, Benjamin W., Auburn, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Filling thread cutter operating mechanism. 2,507,955, May 16.

Brouwer, Clarence J., and I. J. Drake, Grand Rapids, Mich. Starting block. 2,534,159, Dec. 12.

Brouwer, Pieter H. J., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Magnetic circuit comprising one or more stacked plates. 2,503,092, Apr. 4.

Brouwer, Pieter H. J., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Two-part sheet metal stator assembly for electric motors. 2,512,848, June 27.

Brouwer, Pieter H. J., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Contact device. 2,520,526, Aug. 29.

Brouwer, Pieter J., assignor to G. W. Magill, Los Angeles, Calif. Rotor for rotor sustained aircraft. 2,509,128, May 23.

Browall, Bert H., assignor to Svenska Aktiebolaget Bromsregulator, Malmo, Sweden. Clasp brake. 2,506,990, May 9.

Browder, Jay E., Garden City, N. Y., assignor to The Sperry Corporation. Radio direction finding system. 2,524,758, Oct. 10.

Brower, Elbert O., Philadelphia, Pa. Word game apparatus. 2,521,775, Sept. 12.

Brower, William S., Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Indicator light for hobbing machines. 2,516,750, July 25.

Brown, Abner E., Richmond Heights, Mo. Valved nursing bottle. 2,529,794, Nov. 14.

Brown, Albert D., Atlanta, Ga. Disposable razor. 2,501,987, Mar. 28.

Brown, Alexander M., Colonia, N. J., assignor to The North & Judd Manufacturing Company, New Britain, Conn. Automatic lock slider for slide fasteners. 2,511,491, June 13.

Brown, Alexander P., Beechhurst, N. Y. Vertically stringed grand piano. 2,532,286, Dec. 5.

Brown, Alfred E.: *See*—
Gordon, William G., Jackson, and Brown.
Harris, Milton, and Brown.

Brown, Alfred G., Los Angeles, assignor of one-half to L. T. Sepin, Los Angeles County, Calif. Method and apparatus for effecting expansion of gas. 2,512,916, June 27.

Brown, Alfred G., Los Angeles, Calif. Refrigerating apparatus utilizing dry ice. 2,523,530, Sept. 26.

Brown, Alfred S., Utica, and C. J. Barrow, Albany, assignors to Skenandoa Rayon Corporation, Utica, N. Y. Apparatus for manufacturing viscose rayon yarn. 2,524,618, Oct. 3.

Brown, Archibald M.: *See*—
Perrine, Clarence E., and Brown.

Brown, Arling D., Jr., Cambridge, Mass., assignor to the United States of America as represented by the Executive Secretary of the Office of Scientific Research and Development. Electronic switch. 2,521,824, Sept. 12.

Brown, Arthur S., Tilton, and G. E. Sedgley, Concord, N. H. Endless transmission belt and making. 2,518,220, Aug. 8.

Brown, Barremore B.: *See*—
Donal, John S., Jr., Brown, and Cuccia.

Brown, Bernard, assignor to Bernard Display Devices, Inc., Chicago, Ill. Advertising display. 2,519,307, Aug. 15.

Brown, Bernard E., Chicago, Ill., assignor to International Harvester Company. Tractor mounted reciprocating mower. 2,517,384, Aug. 1.

Brown, Bertram G., Yonkers, N. Y. Filter. 2,530,283, Nov. 14.

Brown & Bigelow, assignee: *See*—
Johnson, Charles E.
Thull, John F.

Brown, Brindley J.: *See*—
French, George F., and Roger and Brown.
Brown-Brockmeyer Co., The, assignee: *See*—
Brown, Steffen A.
Brown, Steffen S.
Gayer, John D.
Brown and Brown, assignee: *See*—
Brown, Wesley H.
Brown, Bruce K., Skokie, assignor to Standard Oil Company, Chicago, Ill. Electrolytic production of alkanesulfonic acids. 2,521,147, Sept. 5.
Brown, Burton P., Jr., Schenectady, N. Y., assignor to General Electric Company. Composite loop antenna system. 2,493,569, Jan. 3.
Brown, Byron D., Dallas, Tex. Folding stairway. 2,496,773, Feb. 7.
Brown, Calvin F., Silver Spring, Md., assignor to the United States of America as represented by the Secretary of the Navy. Mercury switch tester. 2,498,026, Feb. 21.
Brown, Carl D.: *See*—
Fiset, Alphonse J., and Brown.
Brown, Carl D., assignor to Draper Corporation, Hopedale, Mass. Shipper lever for looms. 2,493,104, Jan. 3.
Brown, Carl D., Hopedale, and E. C. Nichols, Upton, assignors to Draper Corporation, Hopedale, Mass. Harness motion for looms. 2,501,157, Mar. 21.
Brown, Carl W., Silver Spring, Md., assignor to United States of America as represented by the Secretary of the Navy. Synchronizer for multiple set radar systems. 2,516,296, July 25.
Brown, Caroline, New York, N. Y. Cross stretch foundation garment. 2,523,678, Sept. 26.
Brown, Cecil F.: *See*—
Hansen, Henry, and Brown.
Brown, Cecil S., Louisville, Ky., assignor to Solar Corporation, Milwaukee, Wis. Battery assembly jig. 2,516,546, July 25.
Brown, Charles C., Spokane, Wash. Protractoboard. 2,532,537, Dec. 5.
Brown, Charles K., Jr., Fairmont, W. Va. Vacuum cleaner dust bag unloader. 2,497,581, Feb. 14.
Brown, Charles K., Jr., Fairmont, W. Va. Mixing and volume control faucet. 2,534,658, Dec. 19.
Brown, Charles L., Rockford, Ill. Crystal checking device. 2,534,224, Dec. 19.
Brown, Charles R., Llanerch, assignor to G. and W. H. Corson, Inc., Plymouth Meeting, Pa. Treating barium and strontium sulfates. 2,509,585, May 30.
Brown, Charles R., and G. W. Berndt, Baltimore, Md. Automatic fire extinguisher for motion-picture projectors. 2,506,567, May 9.
Brown, Chester W., Milwaukee, Wis., assignor to McGraw Electric Company. Combined transformer and repeating circuit breaker. 2,519,021, Aug. 15.
Brown, Clarence E., Clarksburg, W. Va. Mining machine protective cover unit. 2,496,694, Feb. 7.
Brown, Clayton H., Minneapolis, Minn. Adhesive tape with tearing facilities. 2,508,855, May 23.
Brown, Clyde A., assignor to The Dole Valve Company, Chicago, Ill. Shaftless butterfly valve. 2,493,736, Jan. 10.
Brown, Clyde A., assignor to Dole Valve Company, Chicago, Ill. Drain valve. 2,512,052, June 20.
Brown, Clyde E.: *See*—
Perry, Alfred A., and Brown.
Brown Company, assignee: *See*—
Day, George A., and Hoos.
Brown, Dan A., and T. E. Dougherty, Long Beach, Calif., assignors, by mesne assignments, to Robertshaw-Fulton Controls Company, Greensburg, Pa. Forming beryllium copper snap rings. 2,527,983, Oct. 31.
Brown, Dan H., Chicago, Ill. Producing flour. 2,509,418, May 30.
Brown, David P., Los Angeles, Calif. Differential pressure indicator. 2,497,255, Feb. 14.
Brown, Dayton R. E., Washington, D. C. Light and sun position calculator. 2,531,932, Nov. 28.
Brown, Edmund V., St. Catharines, Ontario, Canada. Traction lug. 2,507,090, May 9.
Brown, Edward E., New York, N. Y. Electric can opener. 2,523,810, Sept. 26.
Brown, Edward G.: *See*—
Miller, Daniel W., and Brown.
Brown, Edward K., Shaker Heights, Ohio, assignor to Crane Packing Company, Chicago, Ill. Wearing seat. 2,508,097, May 16.
Brown, Edwards, Jr., Washington, D. C. Mechanism for bedding a firearm barrel in a stock. 2,497,861, Feb. 21.
Brown, Ellis M., assignor to John Oster Manufacturing Company, Racine, Wis. Lathermaking machine. 2,510,955, June 13.
Brown, Ellis M., assignor to John Oster Manufacturing Company, Racine, Wis. Lathermaking machine and making lather. 2,517,539, Aug. 8
Brown, Ellis M., and F. V. Forss, assignors to John Oster Manufacturing Company, Racine, Wis. Household mixer. 2,525,338, Oct. 10.
Brown, Emanuel E.: *See*—
Bradley, George T., and Brown.
Brown, Eugene M., Glendale, Calif. Sewer flushing and cleaning device. 2,508,659, May 23.
Brown, Eva B., Norfolk, Va. Body restraint. 2,520,710. Aug. 29.
Brown-Fayro Company, The, assignee: *See*—
Stamler, William R.
Brown, Felix E., Bethlehem, Pa. Battery lifter. 2,503,794, Apr. 11.
Brown Fintube Company, assignee: *See*—
Brown, John W., Jr.
Brown, Fordyce M.: *See*—
Tuttle, Clifton M., and Brown.
Williams, Franklin C., and Brown.
Brown, Florence M., Chippewa Lake, Ohio. Tube dispenser with casing. 2,500,274, Mar. 14.
Brown, Francis B., Los Angeles, Calif. Valve actuating means for hydraulic nomographic multipliers. 2,507,498, May 16.
Brown, Franklin B., Los Angeles, Calif. Portable dressing booth and shower bath apparatus. 2,519,430, Aug. 22.
Brown, Fred H., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine and method for thermoactive adhesive bonding of shoe parts. 2,498,027, Feb. 21.
Brown, Frederick W.: *See*—
Gibson, Frank C., and Brown.
Brown, George C., Dallas, Tex. Heavier-than-air airship. 2,512,824, June 27.
Brown, George H., Princeton, N. J., assignor to Radio Corporation of America. Modulating system. 2,506,132, May 2.
Brown, George H., Princeton, N. J., assignor to Radio Corporation of America. Pasteurizing milk, etc. 2,510,796, June 6.
Brown, George H., Princeton, N. J., assignor to Radio Corporation of America. Antenna system. 2,511,899, June 20.
Brown, George H., Princeton, N. J., assignor to Radio Corporation of America. Line balance converter. 2,517,968, Aug. 8.
Brown, George H., Princeton, N. J., assignor to Radio Corporation of America. Reactance compensation system. 2,517,969, Aug. 8.
Brown, George J., Jr.: *See*—
Riethof, George, Montgomery, and Brown.
Brown, George O., assignee: *See*—
Northquist, Clarence T.
Brown, George W.: *See*—
Rajchman, Jan A., and Brown.
Brown, George W., Cranbury, N. J., assignor to Radio Corporation of America. Control of electron discharge device of area selection type. 2,519,172, Aug. 15.
Brown, George W., Warrensburg, Mo. Bottle heater. 2,500,241, Mar. 14.
Brown, Gordon H., Detroit, Mich. Electric teakettle and cover assembly. 2,519,431, Aug. 22.
Brown, Gordon H., Detroit, Mich. Safety switch and resetting mechanism therefor. 2,519,432, Aug. 22.
Brown, Gordon H., Detroit, Mich. Cordless electric teakettle. 2,519,433, Aug. 22.
Brown, Gregory, Bridgeport, Conn. Insecticide bomb. 2,532,144, Nov. 28.
Brown, Grover W., Wyckoff, assignor to The Okonite Company, Passaic, N. J. Identifiable electric conductor. 2,516,751, July 25.
Brown, Grover W., Wyckoff, and V. E. Metz, Rutherford, assignors to The Okonite Company, Passaic, N. J. Covering weather stripping composed of a web having a continuous bead extending along and bonded to one edge thereof. 2,520,113, Aug. 29.
Brown, Grover W., Wyckoff, and V. E. Metz, Rutherford, assignors to The Okonite Company, Passaic, N. J. Apparatus for applying protective coverings. 2,520,114, Aug. 29.
Brown, Harold H., Merchantville, N. J. Trocar button. 2,522,564, Sept. 19.
Brown, Harold P., Akron, Ohio, assignor to George A. Breon & Company, Kansas City, Mo. Therapeutic compositions. 2,510,495, June 6.
Brown, Harrison, Fargo, N. Dak. Rotary cultivator. 2,528,576, Nov. 7.
Brown, Harrison S., and H. H. Hubble, Oak Ridge, Tenn., assignors to the United States of America, as represented by the United States Atomic Energy Commission. Method and apparatus for pumping corrosive mediums. 2,502,074, Mar. 28.
Brown, Harry H.: *See*—
Finlayson, William G., Brown, and McGinnis.
Brown, Harry W.: *See*—
Kiss, Ernest J., and Brown.
Brown, Henry, assignor to The Udylite Corporation, Detroit, Mich. Electrodeposition of nickel from an acid bath. 2,513,280, July 4.
Brown, Henry, assignor to The Udylite Corporation, Detroit, Mich. Electrodeposition of nickel from an acid bath. 2,523,190, Sept. 19.
Brown, Henry, assignor to The Udylite Corporation, Detroit, Mich. Electrodeposition of nickel from an acid bath. 2,523,191, Sept. 19.
Brown, Henry, assignor to The Udylite Corporation, Detroit, Mich. Electrodeposition of nickel. 2,524,619, Oct. 3.
Brown, Henry, assignor to The Udylite Corporation, Detroit, Mich. Electrodeposition of nickel. 2,524,648, Oct. 3.
Brown, Henry L., Seattle, Wash. Pocket insert. 2,511,242, June 13.

Brown, Herbert C.: *See*—
Schlesinger, Hermann I., and Brown.
Brown, Herbert H., assignee: *See*—
Arnold, Robert C.
Brown, Herman, Philadelphia, and M. Samson, Melrose Park, Pa.; said Brown assignor to said Samson. Preservation of leucocytes in blood. 2,515,189, July 18.
Brown, Howard M., Wood-Ridge, and G. Cawley, Upper Montclair, N. J. Variable-speed drive for roll presses. 2,513,399, July 4.
Brown, Hugh S., Wauwatosa, W. E. Armstrong, and J. V. Reichenbach, assignors to Briggs & Stratton Corporation, Milwaukee, Wis. Carburetor. 2,529,242, Nov. 7.
Brown, Hugh S., Wauwatosa, W. E. Armstrong, and J. V. Reichenbach, assignors to Briggs & Stratton Corporation, Milwaukee, Wis. Automatic control for carburetor throttle valves. 2,529,243, Nov. 7.
Brown, Hugh S., Wauwatosa, W. E. Armstrong, and J. V. Reichenbach, assignors to Briggs & Stratton Corporation, Milwaukee, Wis. Throttle valve for carburetors. 2,529,244, Nov. 7.
Brown, Jack E., Brooklyn, N. Y. School companion. 2,506,918, May 9.
Brown, Jackson M., Starkville, Miss. Distance measuring device. 2,493,912, Jan. 10.
Brown, James D., assignor to Toledo Scale Company, Toledo, Ohio. Steak treating machine. 2,531,105, Nov. 21.
Brown, James H., assignor to Oldbury Electrochemical Company, Niagara Falls, N. Y. Dialkyl alkoxy methane phosphonates and preparation. 2,500,022, Mar. 7.
Brown, James R., assignor to Educational Toy Company, Waterloo, Ontario, Canada. Ball game employing a cube containing a pair of dice. 2,528,029, Oct. 31.
Brown, James S., assignor to Douglas Fraser & Sons Limited, Arbroath, Scotland. Sliver roll forming machine. 2,495,205, Jan. 24.
Brown, Jesse J., Stratford, Conn. Resistance welding method. 2,510,956, June 13.
Brown, John C.: *See*—
Hartley, Arthur C., Brown, Callendar, Fehling, Fox, Gill, Moore, Rosin, and Williamson.
Brown, John C., Upper Montclair, N. J. Roast rack. 2,503,795, Apr. 11.
Brown, John, & Company Limited, assignee: *See*—
Mensforth, Thomas.
Brown, John E., Amherst, Ohio. Trolling leader. 2,506,854, May 9.
Brown, John F., Lima, Ohio. Sink rim. 2,514,740, July 11.
Brown, John M.: *See*—
Burtner, Robert R., and Brown.
Brown, John R., Bauxite, Ark. Hair-waving pin. 2,508,563, May 23.
Brown, John S., Chicago, Ill., assignor, by mesne assignments, to Andrew Corporation. Broadband television antenna. 2,513,078, June 27.
Brown, John W., Jr., assignor to Brown Fintube Company, Elyria, Ohio. Fin tube assembly. 2,499,901, Mar. 7.
Brown, John W., Jr., Lakewood, assignor to Brown Fintube Company, Elyria, Ohio. Multiple tube heat exchanger. 2,520,755, Aug. 29.
Brown, Joseph, Philadelphia, Pa. Retractable ejecting device. 2,502,416, Apr. 4.
Brown, Joseph T.: *See*—
Walker, Roland, Wilkin, Cooper, and Brown.
Brown, Joseph W., Seminole, Okla. Floor rack for sucker rods. 2,504,637, Apr. 18.
Brown, Keith E., San Gabriel, F. E. Clark, and C. E. Jackson, Alhambra, assignors to Turco Products, Inc., Los Angeles, Calif. Stripping of mirror backing and composition of matter useful in such process. 2,525,166, Oct. 10.
Brown, Kenneth G., Mattituck, N. Y. Potato seed cutting machine. 2,535,261, Dec. 26.
Brown, Kenneth R., West Chester, Pa., assignor to Atlas Powder Company, Wilmington, Del. Morpholine derivatives in viscose spinning. 2,495,833, Jan. 31.
Brown, Larkin H., Los Angeles, Calif. Floor mop having a wringing mechanism mounted thereon. 2,521,445, Sept. 5.
Brown, Lawrence S., Long Island City, N. Y., assignor to The Sperry Corporation. Bomb release system. 2,504,492, Apr. 18.
Brown, Lawrence S., Long Island City, N. Y., assignor to The Sperry Corporation. Speed control mechanism. 2,526,726, Oct. 24.
Brown, Lemual G., Oklahoma City, Okla. Adjustable louver operator. 2,506,771, May 9.
Brown, Lemual G., Oklahoma City, Okla. Slat operating mechanism. 2,531,499, Nov. 28.
Brown, Leo C., assignor to Swift & Company, Chicago, Ill. Margarine packaging. 2,502,920, Apr. 4.
Brown, Leo H., Glenville, Conn. Computing sight. 2,534,225, Dec. 19.
Brown, Leon D., Baker, Oreg. Safety shackle. 2,527,350, Oct. 24.
Brown, Leonard A., Vona, Colo. Self-locking wire staple. 2,528,685, Nov. 7.
Brown, Leonard G., administrator: *See*—
Deming, George M.
Deming, George M., and Gilroy.

Brown, Leslie R.: *See*—
Bray, Frederick H., and Brown.
Brown, Mac E., Binghamton, N. Y. Power-driven hose reel for tank trucks. 2,509,476, May 30.
Brown, Maurice R.: *See*—
Thomas, Arthur, Rhodes, and Brown.
Brown, Meyer M., New York, N. Y. Finger ring with flashlight attachment. 2,516,180, July 25.
Brown Morden G., Williamsville, N. Y., assignor to American Optical Company, Southbridge, Mass. Comparison method for measuring the hemoglobin content of blood. 2,519,997, Aug. 22.
Brown, Morris, San Diego, Calif. Riveting equipment. 2,496,330, Feb. 7.
Brown, Morris, San Diego, Calif. Portable bucking tool. 2,519,308, Aug. 15.
Brown, Myron J., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Line choke coil. 2,515,983, July 18.
Brown, Myron J., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Line choke coil. 2,515,984, July 18.
Brown, Myron T., assignor of one-half to G. Miller, Springfield, Ohio. Tow-bar brake actuator. 2,522,855, Sept. 19.
Brown, Norman F., London, England. Trip mechanism. 2,515,291, July 18.
Brown, Norman F., London, England. Raising of natural oil and other liquids by gaseous pressure. 2,526,801, Oct. 24.
Brown, Oral A.: *See*—
Reed, Irvin F., and Brown.
Brown, Orrin T., San Angelo, Tex. Air conditioner for vehicles. 2,516,103, July 25.
Brown, Raymond W.: *See*—
Slaughter, Bernard J., Jr., and Brown.
Brown, Raymond W., and P. Wienkamp, assignors to The Crane & Breed Casket Company, Cincinnati, Ohio. Sealer casket. 2,519,633, Aug. 22.
Brown, Richard A., Eureka, Calif., assignor to Chicago Bridge & Iron Company. Pressure relief valve. 2,497,860, Feb. 21.
Brown, Richard E., South Euclid, assignor to Air-Maze Corporation, Cleveland, Ohio. Pressure line filter. 2,514,623, July 11.
Brown, Richard E., assignor to Air-Maze Corporation, Cleveland, Ohio. Crankcase pressure control. 2,532,888, Dec. 5.
Brown, Richard L., assignor to Hopkinsons Limited, Huddersfield, England. Safety valve. 2,523,192, Sept. 19.
Brown, Robert C., Jr., assignee, trustee: *See*—
White, John L.
Brown, Robert J., Jr., Norfolk, Va. Artificial flower attachment. 2,514,177, July 4.
Brown, Robert J. S., St. Paul, Minn., assignor to the United States of America as represented by the United States Atomic Energy Commission. Low inductance resistor. 2,521,894, Sept. 12.
Brown, Robert J. S., Lawndale, Calif., and H. G. Weiss, Waltham, Mass., assignors to the United States of America as represented by the United States Atomic Energy Commission. Pocket radiation alarm. 2,531,106, Nov. 21.
Brown, Robert L.: *See*—
Britton, Edgar C., and Brown.
Brown, Robert L., assignee: *See*—
Waara, David H.
Brown, Robert L., Teaneck, assignor to Bendix Aviation Corporation, Teterboro, N. J. Circuit breaker. 2,506,991, May 9.
Brown, Robert L., Teaneck, assignor to Bendix Aviation Corporation, Teterboro, N. J. Generator protective system. 2,522,601, Sept. 19.
Brown, Robert M.: *See*—
Prescott, Charles S., and Brown.
Brown, Robert O.: *See*—
Harrel, Chastain G., Brown, and Kimball.
Harrel, Chastain G., Haigh, and Brown.
Brown, Robert R.: *See*—
Hansen, Asger, Sr., and Brown.
Brown, Robert W., Naugatuck, Conn., assignor to United States Rubber Company, New York, N. Y. Catalysts for preparation of synthetic rubber. 2,527,393, Oct. 24.
Brown, Robinson, and H. E. Metcalf, assignors to Institute of Industrial Research, San Antonio, Tex. Lawn sprinkler. 2,532,356, Dec. 5.
Brown, Roy W., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Equipment for attaching airplane propeller deicer shoes. 2,514,201, July 4.
Brown, Sam, Brooklyn, assignor to Sterling Drill Company, New York, N. Y. Masonry drill. 2,534,809, Dec. 19.
Brown and Sharpe Manufacturing Company, assignee: *See*—
Bennett, Arthur F., Hirsch, and Gigger.
Levesque, George N.
Brown, Steffen A., assignor to The Brown-Brockmeyer Co., Dayton, Ohio. Electric motor construction. 2,511,326, June 13.
Brown, Steffen S., assignor to The Brown-Brockmeyer Co., Dayton, Ohio. Sleeve bearing. 2,501,931, Mar. 28.

Brown, Steffen S., assignor to The Brown-Brockmeyer Co., Dayton, Ohio. Explosion-proof motor. 2,512,136, June 20.
Brown, Steffen S., assignor to The Brown-Brockmeyer Company, Dayton, Ohio. Brush lifting mechanism for electric motors. 2,517,836, Aug. 8.
Brown, Steffen S., assignor to The Brown-Brockmeyer Company, Dayton, Ohio. Motor drive unit. 2,528,686, Nov. 7.
Brown, Stewart K., assignee: *See*—
Noyes, Edwin A.
Brown, Theophilus, assignor to Deere & Company, Moline, Ill. Tractor and steerable support therefor. 2,511,692, June 13.
Brown, Thoburn C. and W. R., Spokane, Wash. Rear door end assembly. 2,528,818, Nov. 7.
Brown, Thomas J., and E. B. Bush, Oklahoma City, Okla., said Brown assignor to said Bush. Pole and rod holding device. 2,506,824, May 9.
Brown, Vincent C., Big Stone City, S. Dak. Wheeled figure toy. 2,523,417, Sept. 26.
Brown, W. R., Corporation, assignee: *See*—
Collings, Nigel J.
Brown, Walter J.: *See*—
Picking, Jay W., and Brown.
Brown, Walter J., Cleveland Heights, Ohio. Phase shift network. 2,524,759, Oct. 10.
Brown, Walter J., Cleveland Heights, Ohio. Phase shift bridge. 2,524,760, Oct. 10.
Brown, Walter J., Cleveland Heights, Ohio. Phase shift system. 2,524,761, Oct. 10.
Brown, Walter J., Cleveland Heights, Ohio. Phase shift circuit. 2,524,762, Oct. 10.
Brown, Walter R., United States Army, Louisville, Ky., R. E. Lushbaugh, New Albany, and J. W. Cull, Mooresville, Ind. Sectional hospital tent. 2,493,749, Jan. 10.
Brown, Warren G.: *See*—
Edwards, Donald V., and Brown.
Brown, Wayne B., Gardena, Calif. Cushioning device for C-clamps. 2,519,107, Aug. 15.
Brown, Wesley H., assignor to Brown and Brown, Knoxville, Tenn. Pump or motor. 2,513,446, July 4.
Brown, Wesley H., assignor to Brown and Brown, Knoxville, Tenn. Rotary pump or motor. 2,513,447, July 4.
Brown, William, Nottingham, England. Epicyclic change-speed gear. 2,509,721, May 30.
Brown, William, Nottingham, England. Epicyclic variable-speed gearing. 2,530,646, Nov. 21.
Brown, William C.: *See*—
North, Gerald C., Alton, and Brown.
Brown, William C., Lincoln, assignor to Raytheon Manufacturing Company, Newton, Mass. Electron discharge device. 2,497,436, Feb. 14.
Brown, William C., Lincoln, assignor to Raytheon Manufacturing Company, Newton, Mass. Electron-discharge device of the magnetron type. 2,502,405, Mar. 28.
Brown, William C., Lincoln, assignor to Raytheon Manufacturing Company, Newton, Mass. Amplifier of the magnetron type. 2,509,419, May 30.
Brown, William C., Lincoln, assignor to Raytheon Manufacturing Company, Newton, Mass. Electron accelerator of the microwave type. 2,524,252, Oct. 3.
Brown, William E.: *See*—
Lawson, John W., and Brown.
Brown, William E., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Electric switch. 2,496,118, Jan. 31.
Brown, William E., Plainview, Tex. Cotton separator. 2,526,535, Oct. 17.
Brown, William E., and J. W. Lawson, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Switch. 2,512,788, June 27.
Brown, William F., Flushing, N. Y., assignor of thirty per cent to P. S. McLean, Bloomfield, N. J., ten per cent to F. L. Davis, College Point, and ten per cent to H. D. Flicker, Queens Village, N. Y. Rotary vane fluid pressure machine. 2,512,593, June 27.
Brown, William G., Harrisburg, Pa. Awning. 2,517,281, Aug. 1.
Brown, William R.: *See*—
Brown, Thoburn C. and W. R.
Brown, William R., Cleveland, Ohio. Convertible bed, dresser and davenport. 2,532,355, Dec. 5.
Brown, William T., West Suffield, Conn., assignor to A. G. Spalding & Bros., Inc., Chicopee, Mass. Inflatable game ball. 2,494,796, Jan. 17.
Brown, William X., Los Angeles, Calif. Micrometer caliper. 2,521,825, Sept. 12.
Brown, William Y., Charlotte, N. C. Lubricating and dispensing apparatus. 2,514,441, July 11.
Brownawell, Edgar G., Gary, Ind. Grave marker and base. 2,525,091, Oct. 10.
Browne, Albert A., Palo Alto, Calif., assignor, by mesne assignments, to Fairbanks, Morse & Co. Bearing sleeve for pump shafts. 2,499,456, Mar. 7.
Browne, Donald B., Harpenden, and K. E. Buckman, Dunstable, England, assignors to General Motors Corporation, Detroit, Mich. Air cleaner. 2,493,335, Jan. 3.
Browne, George H.: *See*—
Angell, Robert C., and Browne.
Browne, Herbert A., and H. D. Hillman, Alpena, assignors to Huron Portland Cement Company, Detroit, Mich. Bottom take-off for air conveyors. 2,517,837, Aug. 8.
Browne, Herbert A., and C. W. Shea, Alpena, assignors to Huron Portland Cement Company, Detroit, Mich. Side take-off for air conveyers. 2,527,394, Oct. 24.
Browne, Kenneth A.: *See*—
Lundquist, Wilton G., Olson, and Browne.
Browne, Kenneth A., Lakewood, Ohio, assignor to The Chesapeake and Ohio Railway Company. Boxcar lining. 2,526,116, Oct. 17.
Browne, Kenneth A., Ridgewood, N. J., assignor to Wright Aeronautical Corporation. Internal-combustion engine and exhaust gas turbine therefor. 2,518,660, Aug. 15.
Browne, Lindsay H., Fairfield County, Conn., assignor, by mesne assignments, to The Fawick Airflex Company, Inc., Cleveland, Ohio. Shaft seal. Re. 23,283, Oct. 17.
Browne, Lindsay H., Westport, Conn., assignor to American Brake Shoe Company. Epicyclic drive. 2,506,133, May 2.
Browne, Lindsay H., Westport, Conn., assignor to American Brake Shoe Company. Epicyclic drive. 2,529,996, Nov. 14.
Browne, Lindsay H., Westport, Conn., assignor to American Brake Shoe Company. Epicyclic drive. 2,529,997, Nov. 14.
Browne, Lindsay H., Westport, Conn., assignor to American Brake Shoe Company. Epicyclic drive. 2,532,992, Dec. 5.
Browne-Morse Company, assignee: *See*—
Poe, William A.
Browne, Theodore C., Winchester, assignor to Dewey and Almy Chemical Company, North Cambridge, Mass. Manufacture of matrices and casting beds. 2,513,785, July 4.
Browne, Thomas E., Jr.: *See*—
Strom, Albert P., and Browne, Jr.
Browne, Thomas E., Jr., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electromagnetic device. 2,495,157, Jan. 17.
Browne, Thomas E., Jr., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter with arc extinguishing shunt. 2,530,939, Nov. 21.
Browne, William H., and W. E. Lindemann, Columbus, Ohio, assignors, by mesne assignments, to Houdaille-Hershey Corporation, Detroit, Mich. Crimping machine. 2,508,489, May 23.
Browner, William J., assignor, by mesne assignments, to B. B. Schneider and M. Dressler, Chicago, Ill. High-frequency activated neon sign. 2,515,757, July 18.
Browning, Earle H., Jr.: *See*—
Geiselman, Ralph A., and Browning.
Browning, Fletcher W., Knoxville, Tenn. V-belt sheave. 2,500,515, Mar. 14.
Browning, J. M. & M. S., Company, assignee: *See*—
Browning, Val A.
Browning, Jack V., Albuquerque, N. Mex. Aircraft control. 2,496,083, Jan. 31.
Browning, James E., assignor to Browning Laboratories, Inc., San Antonio, Tex. Tank filling means. 2,504,638, Apr. 18.
Browning, John W., and J. B. Adams, assignors of sixty-six per cent to said Browning, twenty-six per cent to S. T. and E. K. Nelson, and six per cent to J. D. Gillan, Havre, and two per cent to E. and A. Y. Obie, Bozeman, Mont. Adjustable coupling. 2,503,373, Apr. 11.
Browning Laboratories, Inc., assignee: *See*—
Browning, James E.
Browning, Leander, Greenwood, Ind. Fluid motor with automatic valve actuation. 2,504,298, Apr. 18.
Browning, Val A., assignor to J. M. & M. S. Browning Company, Ogden, Utah. Inertia operated pivoted bolt lock. 2,499,090, Feb. 28.
Browning, Ward B., Jr.: *See*—
Marshall, Marcus W., and Browning, Jr.
Browning, William C.: *See*—
Salvesen, Jörgen R., and Browning.
Brownlee, Allen L., and T. G. Louis, assignors to Wico Electric Company, West Springfield, Mass. Arrangement of stator-plate-mounted elements of a flywheel magneto. 2,528,687, Nov. 7.
Brownlee, Kenneth H., Skokie, assignor to The Meyercord Co., Chicago, Ill. Method and apparatus for applying transfers. 2,493,522, Jan. 3.
Brownlee, Kenneth H., Skokie, assignor to The Meyercord Co., Chicago, Ill. Machine for applying transfers. 2,493,523, Jan. 3.
Brownlow, David B., and J. J. Markoski, assignors to The Russell Manufacturing Company, Middletown, Conn. Venetian blind tape cutting machine. 2,530,420, Nov. 21.
Brownsey, Everett L., assignee: *See*—
Brownsey, Oscar E.
Brownsey, Everett L., La Porte, Ind. Phonograph record identification tab. 2,535,262, Dec. 26.
Brownsey, Oscar E.: *See*—
Gierke, Walter W., Brownsey, and Frye.
Brownsey, Oscar E., assignor of one-half to E. L. Brownsey, La Porte, Ind. Cartridge container. 2,526,195, Oct. 17.
Brownshield, Milton L., Dobbs Ferry, N. Y. Piezoelectric cell. 2,504,493, Apr. 18.
Brownson, George T., Philadelphia, assignor, by mesne assignments, to J. J. Duffy, Yeadon, Pa. Burial trouser support. 2,513,232, June 27.

Brownstein, Raymond G., Ellwood City, Pa. Lubricant feeder. 2,505,522, Apr. 25.

Brownyer, Nelson R., Birmingham, assignor to The Timken-Detroit Axle Company, Detroit, Mich. Planetary shift mechanism. 2,516,850, Aug. 1.

Broyles, Margaret: *See*—
Gearhart, William M., and Broyles.

Broyles, Otis T., Houston, Tex. Automatic safety valve assembly. 2,495,628, Jan. 24.

Brubaker, Ernest E., Rapid City, S. Dak. Portable ladder support. 2,499,091, Feb. 28.

Brubaker, John T., Luray, Va. Feeding mechanism for pencils, lighters, etc. 2,511,243, June 13.

Brubaker, Merlin M., Chadds Ford, Pa., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Interpolymers of carbon monoxide and preparing the same. 2,495,286, Jan. 24.

Brubaker, Merlin M., Boothwyn, Pa., J. R. Roland, Wilmington, Del., and M. D. Peterson, Oak Ridge, Tenn., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Copolymers of ethylene with vinyl chloride. 2,497,291, Feb. 14.

Brubaker, Merlin M., Boothwyn, and R. A. Jacobson, Landenburg, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Vinyl polymers and producing the same. 2,531,196, Nov. 21.

Brubaker, Merlin M., Chadds Ford, and R. A. Jacobson, Landenberg, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Asymmetrical dichloroethylene/isobutylene interpolymers. 2,531,197, Nov. 21.

Brubaker, Wilson M.: *See*—
Wouk, Victor, and Brubaker.

Brubeck, Edwin D., Indianapolis, Ind. Reversible ratchet screw driver. 2,531,722, Nov. 28.

Bruce, Charles A., and F. H. Lyons, assignors to E. L. Bruce Co., Memphis, Tenn. Metallic wool pad. 2,497,206, Feb. 14.

Bruce, Charles O., assignee: *See*—
Kruse, Frederick P.

Bruce, David S., Lawrence, Kans., and E. L. Klein, Kansas City, Mo., assignors, by mesne assignments, to the United States of America as represented by the Secretary of War. Making propellant powder. 2,499,295, Feb. 28.

Bruce, E. L., Co., assignee: *See*—
Bruce, Charles A., and Lyons.
Fellman, Evan L., and Stewart, Jr.
Lyons, Frank H.
Lyons, Frank H., and Ferdon.

Bruce, John A., Tampa, Fla. Citrus fruit product. 2,509,904, May 30.

Bruce, John A., Tampa, Fla. Citrus fruit processing. 2,510,679, June 6.

Bruce, Lawrence Richard, Incorporated, assignee: *See*—
Michaels, Edwin B., and Berk.

Bruce, Omar C., Anderson Township, Hamilton County, Ohio. Gauge for setting tools for cutting screw threads. 2,504,249, Apr. 18.

Bruce, Robert A., assignor to Barker Equipment Company, Inc., Keosauqua, Iowa. Wire container having a wire stacking ring. 2,512,517, June 20.

Bruce, Robert E., Spokane, Wash. Clothes drier. 2,510,547, June 6.

Bruce, William A., Tulsa, Okla., assignor to Standard Oil Development Company. Oil-water separator for wells. 2,523,091, Sept. 19.

Bruce, William F., Havertown, assignor to Wyeth Incorporated, Philadelphia, Pa. 3,5-substituted 4,6-dimethyl-2-pyridones. 2,516,673, July 25.

Bruce, William F., Upper Darby, assignor to Wyeth Incorporated, Philadelphia, Pa. Disubstituted glycyl derivatives of amino quinolines. 2,494,083, Jan. 10.

Bruce, William F., Upper Darby, assignor to Wyeth Incorporated, Philadelphia, Pa. Pyridone derivatives. 2,532,055, Nov. 28.

Bruce, William F., Havertown, Pa., G. Mueller, Knoxville, Tenn., and J. Seifter, Willow Grove, and J. L. Szabo, Drexel Hill, assignors to Wyeth Incorporated, Philadelphia, Pa. Barbituric acid derivatives and process for preparing them. 2,494,084, Jan. 10.

Bruce, William F., Havertown, and J. Seifter, Willow Grove, assignors to Wyeth Incorporated, Philadelphia, Pa. Substituted glycinamides. 2,499,352, Mar. 7.

Bruce, William F., Havertown, and Joseph Seifter, Willow Grove, assignors to Wyeth Incorporated, Philadelphia, Pa. Substituted glycinamide. 2,516,674, July 25.

Bruce, William F., Havertown, and J. Seifter, Willow Grove, assignors to Wyeth Incorporated, Philadelphia, Pa. Substituted glycinamides. 2,523,275, Sept. 26.

Bruce, William R., London, England. Producing stable hypochlorite solutions. 2,506,630, May 9.

Bruchtel, Frank: *See*—
Finigan, Abdrew G., Bruchtel, and Blomberg.

Bruck, George G., Farmingdale, N. Y., R. M. Sprague, Waban, and M. C. Vosburgh, Cambridge, assignors to Raytheon Manufacturing Company, Newton, Mass. Combined transmitter-receiver for radio communication systems. 2,500,795, Mar. 14.

Bruck, George G., East Orange, N. J., R. M. Sprague, Waban, Mass., and M. C. Vosburgh, New York, N. Y., assignors to Raytheon Manufacturing Company, Newton, Mass. Multistation microwave communication system. 2,510,461, June 6.

Bruck, Henri: *See*—
Bertein, François, and Bruck.
Blattmann, Henri, and Bruck.

Bruckhouse, J. & Company Limited, assignee: *See*—
Dear, Alexander T. C.

Bruckmeier, Fred: *See*—
Pater, Herman, and Bruckmeier.

Bruck's Nurses Outfitting Co., Inc., assignee: *See*—
Firestone, Isaac.

Brucksch, William F., Jr., Bethany, Conn., assignor to United States Rubber Company, New York, N. Y. Coating composition of unsaturated alkyd resin. 2,505,347, Apr. 25.

Bruder, Albert F., Ozone Park, N. Y. Drive connection for a shoe polisher. 2,518,279, Aug. 8.

Bruegger, Ernest, Massillon, Ohio, assignor to The Griscom-Russell Company, New York, N. Y. Making condenser tubes. 2,519,820, Aug. 22.

Bruegger, Ernest, Massillon, Ohio, assignor to The Griscom Russell Company, New York, N. Y. Applying helical fins to tubes. 2,525,092, Oct. 10.

Bruehl, Lawrence: *See*—
Leathers, Ward, and Bruehl.

Bruell Products Company, assignee: *See*—
Benedict, Fremont W.

Bruemmer, August H.: *See*—
Rau, David W., and Bruemmer.

Bruen, George C., deceased, Chicago, Ill., by S. E. Bruen, executrix, Chicago, assignor of 70$\frac{5}{6}$% to said S. E. Bruen, 5% to E. V. Dickinson, Highland Park, 9% to S. M. Bullock, Wilmette, Ill., 10$\frac{5}{6}$% to G. A. Stuart, Denver, Colo., 2% to J. Fisher, Chicago, 1% to M. Thoenen, Elmwood Park, 1% to G. H. Fredericksen, Chicago, Ill., and 1% to E. M. Thorsen, St. Joseph, Mo. Card filing equipment. 2,503,611, Apr. 11.

Bruen, George C., deceased, by S. E. Bruen, executrix, assignor of 70$\frac{5}{6}$% to said S. E. Bruen, Chicago, 5% to E. V. Dickinson, Highland Park, and 9% to S. M. Bullock, Wilmette, Ill., 10$\frac{5}{6}$% to G. A. Stuart, Denver, Colo., 2% to J. Fisher, Chicago, 1% to M. Thoenen, Elmwood Park, and 1% to G. H. Fredericksen, Chicago, Ill., and 1% to E. M. Thorsen, St. Joseph, Mo. Card filing equipment. 2,504,799, Apr. 18.

Bruen, George C., deceased, Chicago, by S. E. Bruen, executrix, Chicago, Ill. Card filing equipment. 2,510,924, June 6.

Bruen, George C., deceased; by S. E. Bruen, executrix, Chicago, assignor, by mesne assignments, of seventy and five-tenths per cent to said S. E. Bruen, five per cent to E. V. Dickinson, Highland Park, nine per cent to S. M. Bullock, Wilmette, Ill., ten and five-tenths per cent to G. A. Stuart, Denver, Colo., two per cent to J. Fisher, Chicago, one per cent to M. Thoenen, Elmwood Park, one per cent to G. H. Fredericksen, Chicago, Ill., and one per cent to E. M. Thorsen, St. Joseph, Mo. Card filing tray. 2,522,986, Sept. 19.

Bruen, Sophie E., executrix, assignee: *See*—
Bruen, George C.

Bruene, Warren B., assignor to Collins Radio Company, Cedar Rapids, Iowa. High-power audio frequency amplifier. 2,516,181, July 25.

Bruesch, John F.: *See*—
Dixon, James K., Miller, and Bruesch.

Bruesewitz, Roger H.: *See*—
Dockray, Willie L., and Bruesewitz.

Bruestle, Carl O., Metuchen, assignor to Syncro Machine Company, Perth Amboy, N. J. Stranding machine. 2,534,696, Dec. 19.

Bruestle, Carl O., Rahway, N. J., assignor to Borg-Warner Corporation, Chicago, Ill. Rolling mill feed tensioning device. 2,501,024, Mar. 21.

Bruestle, Carl O., Rahway, assignor, by mesne assignments, to Centric Clutch Company, Cranford, N. J. Centrifugal clutch. 2,504,177, Apr. 18.

Bruestle, Carl O., Rahway, assignor to Elevator Supplies Company, Inc., Perth Amboy, N. J. Door sensitive edge actuated switch. 2,523,645, Sept. 26.

Bruestle, Carl O., Rahway, N. J. Moisture ejector valve and system. 2,534,697, Dec. 19.

Bruestle, Carl O., and H. Wilken, Rahway, assignors to Syncro Machine Company, Perth Amboy, N. J. Safety switch for stranding machines. 2,495,886, Jan. 31.

Bruet, Henri R., Neuilly-sur-Seine, and T. Lafitte, Paris, France. Device for immobilizing a piece with respect to another one/in at least one predetermined position. 2,531,198, Nov. 21.

Bruggeman, Leo H.: *See*—
Vutz, Wilhelm, and Bruggeman.

Brugmann, Frank, assignor of one-half to Paul Goss, Greeley, Colo. Flywheel rotating tool. 2,533,762, Dec. 12.

Brugmann, Frank J., Greeley, Colo. Spring engaging hook assembly for brake spring tools. 2,507,622, May 16.

Bruhn, Claus F., assignor of one-half to M. Bruhn, Danvers, Minn. Spring seat support. 2,503,796, Apr. 11.

Bruhn, John H., Des Moines, Iowa, and L. W. Bruhn, Kansas City, Mo. Thermostatic switch. 2,527,875, Oct. 31.

Bruhn, Leonard W.: *See*—
Bruhn, John H. and L. W.

Bruhn, Martha, assignee: *See*—
Bruhn, Claus F.

Bruining, Hajo: *See*—
Haayman, Pieter W., and Bruining.
Bruining, Hajo, and G. Geeven, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Manufacturing electric discharge tubes. 2,527,984, Oct. 31.
Bruins, Paul F., Douglaston, and E. P. Rittershausen, Hempstead, N. Y., assignors to Socony-Vacuum Oil Company, Incorporated. Vinyl chloride resin plasticized with an aromatic hydrocarbon and stabilized by dypnone. 2,510,009, May 30.
Brukholder, Ezra P., Ephrata, Pa. Crop cutter. 2,496,982, Feb. 7.
Brulin, Laurence W., New York, N. Y. Construction of cartons. 2,529,675, Nov. 14.
Brumbach, Robert S., Brunswick, Maine. Chinese typewriter. 2,526,633, Oct. 24.
Brumbach, Walter, assignee: *See*—
Widrich, Anton.
Brumbaugh, Harold C., assignor of one-third to M. E. Krueger, and one-third to H. Heltzel, Portland, Oreg. Collapsible trailer. 2,518,278, Aug. 8.
Brumfield, Elvin S.: *See*—
Miller, Franklin C., and Brumfield.
Brumhill, Claude W., assignor to The Imperial Typewriter Company Limited, Leicester, England. Ribbon feeding and guiding means for typewriting and like machines. 2,513,137, June 27.
Brummer, Charles, Shelbyville, Ind. Static electricity grounding device for vehicles. 2,521,337, Sept. 5.
Brummer, Olin, Oak Park, Ill. Unitary seal device. 2,499,353, Mar. 7.
Brummer, Olin, Crete, and E. F. Heimbuch, Chicago Heights, Ill. Insert applying jig for molds. 2,534,948, Dec. 19.
Brundage, Alan D., assignor to F. L. Jacobs Co., Detroit, Mich. Visor mounting device. 2,535,894, Dec. 26.
Brundage, Clinton F., Macedon, assignor to Graflex, Inc., Rochester, N. Y. Photographic camera back with removable collapsible hood. 2,500,058, Mar. 7.
Brundred Oil Corporation, assignee: *See*—
Dennerline, John E.
Brune, Louis J., Sr., Ocean Springs, Miss. Demountable stair structure. 2,520,452, Aug. 29.
Bruner, Frank H., Fishkill, assignor to The Texas Company, New York, N. Y. High-pressure low-temperature catalytic conversion of carbon monoxide. 2,508,743, May 23.
Bruner, Walter M.: *See*—
Gresham, William F., Brooks, and Bruner.
Bruner, Walter M., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of N-isobutyl hexamethylenediamines. 2,497,292, Feb. 14.
Brunetti, Joseph P., Clarksburg, W. Va. Fountain attachment for faucets. 2,524,956, Oct. 10.
Brunhart, Bruno, assignor to Ruegg-Naegeli & Cie. Aktiengesellschaft, Zurich, Switzerland. Index card. 2,518,749, Aug. 15.
Bruning, Earl F., Lincoln, Nebr. Coupling. 2,512,999, June 27.
Bruning, Otto K., Bethel, assignor of one-half to K. Reinshagen, Swan Lake, N. Y. Chimney brush. 2,522,162, Sept. 12.
Brunjes, Austin S., Plandome, assignor to The Lummus Company, New York, N. Y. Multiple-effect distillation. 2,510,548, June 6.
Brunjes, Austin S., Plandome, assignor to The Lummus Company, New York, N. Y. Ammonia recovery unit. 2,533,992, Dec. 12.
Brunjes, Austin S., Plandome, N. Y., and M. J. P. Bogart, Teaneck, N. J., assignors to The Lummus Company, New York, N. Y. Tower reactor. 2,532,756, Dec. 5.
Brunken, Renke, Shaker Heights, assignor to The White Motor Company, Cleveland, Ohio. Hydraulic transmission and control mechanism therefor. 2,498,600, Feb. 21.
Brunken, Renke, Shaker Heights, assignor to The White Motor Company, Cleveland, Ohio. Torque converter control. 2,499,128, Feb. 28.
Brunken, Renke, Shaker Heights, H. J. Heck, Cleveland Heights, and W. R. Howard, Chagrin Falls, assignors to The White Motor Company, Cleveland, Ohio. Control for automatic transmissions. 2,503,434, Apr. 11.
Brunker, George N., Salt Lake City, Utah. Weather strip. 2,516,953, Aug. 1.
Brunmark, Elmer H., assignee: *See*—
Lapointe, Louis E., and Gaudet.
Brunn, Robert B. J., Bayside, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Quick-reset time-delay electronic control system. 2,495,919, Jan. 31.
Brunn, Robert B. J., Manhasset, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill. Antihunting electrical control system. 2,502,308, Mar. 28.
Brunner, Albert, Riehen, Switzerland, assignor to Ciba Limited. Manufacture of diaminodiphenyl-ureas. 2,503,797, Apr. 11.
Brunner, Anthony T., Half Moon Bay, Calif. Furrow opener and fertilizer tube attachment for planters. 2,515,368, July 18.
Brunner, Anton J., Congress Park, and A. Wennerberg, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Grinding apparatus. 2,507,298, May 9.
Brunner, Devona A., assignor of one-half to H. Brunner, Chicago, Ill. Hairpin device. 2,524,305, Oct. 3.
Brunner, Eugene E., York, Pa., assignor to The Standard Stoker Company, Incorporated. Belt coupling. 2,496,695, Feb. 7.
Brunner, Howard, assignee: *See*—
Brunner, Devona A.
Brunnzell, Fridolf H., Sundsvall, Sweden. Bandlike material for protective covers. 2,513,448, July 4.
Bruno, Carl, Encino, Calif. Adjustable stilt. 2,531,251, Nov. 21.
Bruno, Michael H., and P. J. Hartsuch, assignors to Lithographic Technical Foundation, Inc., Chicago, Ill. Coating aluminum. 2,507,956, May 16.
Bruns, George J., assignor to Yellow Cab Company of Missouri, Kansas City, Mo. Advertising sign holder for vehicles. 2,504,639, Apr. 18.
Bruns, William H., Lincolndale, assignor to Otis Elevator Company, New York, N. Y. Apparatus for locating open circuit faults in electrical circuits. 2,493,524, Jan. 3.
Bruns, William H., Lincolndale, assignor to Otis Elevator Company, New York, N. Y. Control for electric circuits. 2,525,767, Oct. 17.
Bruns, William H., Lincolndale, assignor to Otis Elevator Company, New York, N. Y. Electronic tube with conductive coating. 2,525,768, Oct. 17.
Bruns, William H., Lincolndale, assignor to Otis Elevator Company, New York, N. Y. Control for electric circuit. 2,525,769, Oct. 17.
Brunson, Amber N., Independence, Mo. Measuring device and making the same. 2,525,644, Oct. 10.
Brunson, Amber N., Independence, Mo. Surveying instrument. 2,531,252, Nov. 21.
Brunson, Lyster L., assignee: *See*—
Moore, Noble E., and Gillgrass.
Brunson, Robert M., Beverly Hills, Calif., assignor to Invisibelt Corporation. Garment support. 2,505,383, Apr. 25.
Brunstad, Julius M., Colfax, Wis. Socket wrench. 2,522,428, Sept. 12.
Brunswick-Balke-Collender Company, assignee: *See*—
Harris, Forist.
Brunswick-Balke-Collender Company, The, assignee: *See*—
Anderson, Robert I.
Gillett, Edward C.
Hedenskoog, Ernest.
Scheidemantel, Herman B.
Brunt, Harold, Los Angeles, and O. E. Dohman, South Gate, Calif. Skipping hoop. 2,493,224, Jan. 3.
Brus, Emile P., Kansas City, Mo. Electrical plug. 2,495,206, Jan. 24.
Brus, Emile P., Kansas City, Mo. End plug connection to cord. 2,522,341, Sept. 12.
Brusca, Joseph L., Cheltenham, assignor to SKF Industries, Inc., Philadelphia, Pa. Bearing and shaft assembly. 2,523,418, Sept. 26.
Brush, Alanson P., Detroit, Mich., assignor of one-half to Chrysler Corporation, Highland Park, Mich. Gear unit. 2,498,848, Feb. 28.
Brush Development Company, The, assignee: *See*—
Arndt, John P., Jr., Jones, and Begun.
Arndt, John P., Jr., and Shomer.
Begun, Semi J.
Begun, Semi J., and Arndt, Jr.
Begun, Semi J., and Temple.
Burtch, Joel A.
Dank, Alfred P.
Gravley, Charles K.
Harris, Francis S.
Jaffe, Hans.
James, John H.
Jones, Cary B.
Kornel, Otto.
Massa, Frank.
Merchant, Charles J.
Robinson, Arthur M.
Shaper, Harry B.
Shaper, Harry B., and Miller.
Williams, Alfred L. W.
Brushaber, Herman J., deceased, Milwaukee, Wis.; Ralph E. Brushaber, executor of said Herman J. Brushaber. Conduit fitting. 2,518,661, Aug. 15.
Brushaber, Ralph E., executor: *See*—
Brushaber, Herman J.
Bruske, Walter J., Fall Creek, Wis. Steel jaw game trap. 2,502,035, Mar. 28.
Bruso, Lloyd L., Springfield, Vt. Log stake releaser. 2,526,930, Oct. 24.
Bruson, Herman A.: *See*—
Niederhauser, Warren D., and Bruson.
Bruson, Herman A., Rydal, assignor, by mesne assignments, to Rohm & Haas Company, Philadelphia, Pa. Resins from esters of 1-hydroxy-butadiene-1,3 insolubilized with nitrogen bases. 2,497,926, Feb. 21.
Bruson, Herman A., Rydal, assignor, by mesne assignments, to Rohm & Haas Company, Philadelphia, Pa. Resinous fungicidal compositions. 2,497,927, Feb. 21.
Bruson, Herman A., Rydal, assignor, by mesne assignments, to Rohm & Haas Company, Philadelphia, Pa. Making 1-cyano-1,3-butadiene. 2,503,710, Apr. 11.
Bruson, Herman A., Rydal, and W. D. Niederhauser, assignors, by mesne assignments, to Rohm & Haas Company, Philadelphia, Pa. Preparing substituted piperidones. 2,505,459, Apr. 25.

Brusse, Archie B., assignor to Rocky Mountain Metal Products Co., Denver, Colo. Tie eyelet for orthodontia. 2,494,540, Jan. 17.
Brusse, Archie B., assignor to Rocky Mountain Metal Products Co., Denver, Colo. Orthodontic arch wire and mounting. 2,495,692, Jan. 31.
Brusse, Archie B., Denver, Colo. Lingual tube for orthodontia. 2,524,763, Oct. 10.
Brusse, Archie B., assignor to Rocky Mountain Metal Products Co., Denver, Colo. Edgewise bracket for orthodontia. 2,527,526, Oct. 31.
Brust, Harry F., assignor to The Dow Chemical Company, Midland, Mich. Debromination of polybromopyridine. 2,502,125, Mar. 28.
Brustolon, George B., and J. E. Hoey, Groton, Conn. Egg sheller. 2,497,342, Feb. 14.
Brustowsky, Morris, Brooklyn, N. Y., assignor to U. S. Slicing Machine Company, Inc. Multiple reciprocating blade bread slicing machine. 2,528,853, Nov. 7.
Brutocao, Angelo: *See*—
Brutocao, Louis, L. and A.
Brutocao, Leonard: *See*—
Brutocao, Louis, L. and A.
Brutocao, Louis, L. and A., Toronto, Ontario, Canada. Safety valve. 2,505,321, Apr. 25.
Brutus, Lee N., Los Angeles, Calif. Lock screw or the like. 2,520,121, Aug. 29.
Brutus, Lee N., Los Angeles, Calif. Lock nut. 2,520,122, Aug. 29.
Bruylants, Pierre J. M., Winksele-Veltem, near Louvain, and P. L. J. R. Merckx, Mortsel, near Antwerp, assignors to Gevaert Photo-Producten N. V., Mortsel-Antwerp, Belgium. Cyanoacetylhydrazones as photographic color couplers. 2,527,476, Oct. 24.
Bryan, Austin D., Hartford, and E. F. Gebelein, West Hartford, assignors to The Aetna Casualty and Surety Company, Hartford, Conn. Filing container. 2,516,045, July 18.
Bryan, Collis C., Seattle, Wash., assignor to Monsanto Chemical Company, St. Louis, Mo. Vanillin purification by distillation. 2,506,540, May 2.
Bryan, Frederick A.: *See*—
Taplin, George V., and Bryan.
Bryan, Harold E., La Jolla, Calif. Radio-frequency transmission system. 2,510,064, June 6.
Bryan, William J., and J. E. Vrla, Dallas, Tex. Conveyer meal order device. 2,526,536, Oct. 17.
Bryans, Harry C., Three Rivers, assignor to Canadian International Paper Company, Montreal, Quebec, Canada. Roll crimping machine. 2,533,993, Dec. 12.
Bryant, Aloysius J., administrator: *See*—
Hultquist, Martin E., and SubbaRow.
SubbaRow, Yellapragada, and Hultquist.
Bryant, Austin U., Berkeley, Calif., assignor to Fluid Control Engineering Co. Valve construction. 2,519,541, Aug. 22.
Bryant, Austin U., Berkeley, assignor to Grove Regulator Company, Oakland, Calif. Compartment tester. 2,531,607, Nov. 28.
Bryant, Austin U., Berkeley, and D. H. Annin, Oakland, assignors to Fluid Control Engineering Co., Emeryville, Calif. Valve construction. 2,507,851, May 16.
Bryant Chucking Grinder Company, assignee: *See*—
Arms, Merton H.
Arms, Merton H., and Grobey.
Arms, Merton H., Grobey, and Day.
Day, Bernard C.
Ljunggren, Thor H.
Ljunggren, Thor H., and Moore.
Moore, Willis F.
Bryant, Donald D., Huntington, W. Va. Lock-seal lid. 2,498,245, Feb. 21.
Bryant, Donald D., Huntington, W. Va. Articulated journal box lid. 2,501,494, Mar. 21.
Bryant, Edwin E., assignor to Nelson Muffler Corporation, Stoughton, Wis. Exhaust silencer for internal-combustion engines. 2,520,756, Aug. 29.
Bryant, Fred V., H. C. Bryant, and H. H. Harvey, Lynchburg, Va. Shoe having detachable upper. 2,519,108, Aug. 15.
Bryant, Frederick W., New York, N. Y. Sport shirt or jacket. 2,502,921, Apr. 4.
Bryant, Frederick W., Hanover, N. J. Liquid applicator. 2,517,283, Aug. 1.
Bryant, George E., Rydalmere, New South Wales, Australia, assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Dragline excavating apparatus. 2,530,150, Nov. 14.
Bryant, Harold W., Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Copolymerizing maleic anhydride and vinyl acetate. 2,522,775, Sept. 19.
Bryant, Herbert C.: *See*—
Bryant, Fred V., H. C., and H.
Bryant, Herbert W., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone transmitter having frusto-conical back electrode. 2,532,694, Dec. 5.
Bryant, Leland A.: *See*—
Bennett, Paul L., and Bryant.
Bryant, Leslie E., assignor to Nye-Wait Company, Inc., Auburn, N. Y. Portable loom creel and tensioning means therefor. 2,527,700, Oct. 31.
Bryant, Ozro N., Prospect Park, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Reheat turbine control. 2,504,640, Apr. 18.
Bryant, Ozro N., Prospect Park, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Reheat turbine control. 2,514,931, July 11.
Bryant, Ozro N., Prospect Park, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Flexibly mounted combined radial and thrust bearing. 2,524,693, Oct. 3.
Bryant, Ozro N., Prospect Park, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Turbine pedestal arrangement. 2,535,037, Dec. 26.
Bryant, Troy E., Anderson, S. C. Door sizer and measuring device. 2,511,900, June 20.
Bryce, James W., Glen Ridge, N. J., and J. N. Wheeler, Hawthorne, assignors to International Business Machines Corporation, New York, N. Y. Reading apparatus. 2,521,338, Sept. 5.
Bryden, John H., Pasadena, Calif., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Beta-chloroethyl - p - trichloromethyl benzoate. 2,493,615, Jan. 3.
Bryer, Melvin L., Beeville, Tex. Valve. 2,529,795, Nov. 14.
Bryk, Petri B., Pori, and J. W. Ryselin, Harjavalta, Finland. Extraction of iron. 2,523,092, Sept. 19.
Bryk, Petri B., Pori, and J. W. Ryselin, Harjavalta, Finland. Smelting sulfide bearing raw materials. 2,506,557, May 2.
Bryner, Fred: *See*—
Dietzler, Andrew J., and Bryner.
Brytczuk, Walter L., Roselle Park, N. J., assignor to The American Metal Company, Limited, New York, N. Y. Electrolytic tank construction. 2,535,780, Dec. 26.
Buc, Saul R., *See*—
Randall, David I., and Buc.
Buc, Saul R., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. 3,5-dihalogen-2-cyanodiphenyls. 2,497,060, Feb. 14.
Buccicone, Dario, Gary, Ind. Nutting machine. 2,519,434, Aug. 22.
Buccicone, Dario, Gary, Ind. Magnetic sheet piling. 2,527,911, Oct. 31.
Buček, Adolf, Otrokovice, assignor to Bata, národní podnik, Zlin, Czechoslovakia. Machine for smoothing or ironing leather, particularly shoe sole leather. 2,532,601, Dec. 5.
Buchan, Andrew C.: *See*—
Mead, William H., and Buchan.
Buchan, Rudolph C., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Apparatus for handling oil field emulsions. 2,522,429, Sept. 12.
Buchanan Electrical Products Corporation, assignee: *See*—
Buchanan, Stephen N.
Buchanan, James L., Spring City, Pa. Knitting machine. 2,509,032, May 23.
Buchanan, John W., New York, assignor to National Gypsum Company, Buffalo, N. Y. Composition for the correction of surface irregularities and preparing the same. 2,523,646, Sept. 26.
Buchanan, Joshua S., Salt Lake City, Utah. Reaming tool. 2,517,970, Aug. 8.
Buchanan, Michael K., Norfolk, Va. Ice cube tray. 2,496,331, Feb. 7.
Buchanan, Michael K., Norfolk, Va. Ice tray. 2,495,506, Jan. 24.
Buchanan, Stephen N., Westmoreland Hills, Md., assignor to Buchanan Electrical Products Corporation, Elizabeth, N. J. Electric connector. 2,499,296, Feb. 28.
Buchanan, Stephen N., Westmoreland Hills, Md., assignor to Buchanan Electrical Products Corporation, Elizabeth, N. J. Electric connector. 2,499,297, Feb. 28.
Buchanan, Stephen N., Westmoreland Hills, Md., assignor to Buchanan Electrical Products Corporation, Elizabeth, N. J. Coupling device. 2,503,093, Apr. 4.
Buchanan, Stephen N., Westmoreland Hills, Md., assignor to Buchanan Electrical Products Corporation, Elizabeth, N. J. Coupling device. 2,503,094, Apr. 4.
Buchanan, William H., Catherham Valley, assignor to Cinema-Television Limited, London, England. Circuit for cathode-ray tubes and operating the same. 2,534,571, Dec. 19.
Büchel, Robert, Gamprin, Liechtenstein. Automatic locking and releasing device for shift keys on typewriters. 2,499,053, Feb. 28.
Bucher, Edward S., Montclair, and F. B. Elliott, Jr., Clifton, N. J., assignors to Curtiss-Wright Corporation. Blade construction and propeller blade. 2,506,992, May 9.
Bucher, Karl: *See*—
Meier, Rolf, and Bucher.
Bucher, Thomas T. N., Moorestown, N. J., assignor to Radio Corporation of America. Balanced modulation. 2,498,526, Feb. 21.
Bucher, Thomas T. N., Moorestown, N. J., assignor to Radio Corporation of America. Balanced modulation. 2,499,568, Mar. 7.
Buckeridge, Roger M., assignor to Goodman Manufacturing Company, Chicago, Ill. Speed control system. 2,532,287, Dec. 5.

Buckeye Plastic Corporation, The, assignee: *See*—
Fluke, Rothwell R.
Buckeye Steel Castings Company, The, assignee: *See*—
Johnson, George T.
Buchhart, Prosper W., Closter, N. J. Semiautomatic table lighter. 2,497,582, Feb. 14.
Buchholtz, Oscar C.: *See*—
Maxwell, Grover C., and Buchholtz.
Buchholzer, Julius W., and R. B. Drabenstott, assignors to The Summit Sound Systems Company, Akron, Ohio. Electronic fade-in control system for phonographic reproduction or the like. 2,515,111, July 11.
Buchi, Alfred, Winterthur, Switzerland. Journal bearing. 2,510,549, June 6.
Buchler, Ernest, Sunnyside, assignor to Arkay Infants Wear, Inc., Richmond Hill, N. Y. Garment. 2,530,647, Nov. 21.
Büchler, Willi A., Thoune, Switzerland. Watch. 2,512,087, June 20.
Büchler, Willi A., Thoune, Switzerland. Chronograph. 2,512,088, June 20.
Buchman, Edwin R.: *See*—
Lutz, Robert E., Koepfli, and Buchman.
Buchmann, Fred J., Baton Rouge, La., assignor to Standard Oil Development Company. Synthesis catalyst. 2,512,608, June 27.
Buchs, Max: *See*—
Schmid, Otto and Buchs.
Buchwald, Charles E., Flushing, N. Y., and J. Ehret, Jr., Trenton, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Treating refractory articles. 2,530,506, Nov. 21.
Buchwalter, Louise, Hallsville, Ohio, and G. G. Harvey, Boston, Mass., assignors, by mesne assignments, to the United States of America as represented by the Secretary of War. Antenna. 2,512,137, June 20.
Buck, Benjamin I., assignor of one-half to H. B. Rollins, Baltimore, Md. Bean snipping machine. 2,518,598, Aug. 15.
Buck, Foster, Lisle, F. W. Barbknecht, Palos Heights, and R. Bowers, Western Springs, Ill., assignors to International Harvester Company. Governing mechanism for fuel injection pumps. 2,507,689, May 16.
Buck, Gaylord B., II, Cleveland Heights, Ohio, assignor to General Electric Company. Photoelectric cell structure incorporating a lens. 2,522,987, Sept. 19.
Buck, George C., Odessa, Mo. Testing equipment for electrical apparatus. 2,496,197, Jan. 31.
Buck, Johannes S., Glenmont, C. M. Suter, and A. R. Surrey, Albany, assignors to Sterling Drug Inc., New York, N. Y. Methylenedioxy tertiary amines. 2,527,527, Oct. 31.
Buck, Joseph A., Toledo, Ohio. Lighting fixture bracket. 2,494,428, Jan. 10.
Buck, Kenneth H., Cordova, Alaska. Liquid catcher for nursing bottles. 2,509,129, May 23.
Buck, Mortimer P.: *See*—
Bieber, Clarence G., and Buck.
Buck, Richard S., Glastonbury, assignor to United Aircraft Corporation, East Hartford, Conn. Thermoelectric gas probe. 2,496,774, Feb. 7.
Buck, Robert M.: *See*—
Campbell, Donald A., and Buck.
Buckel, Charles, Springfield, Oreg. Brake pedal latch. 2,498,246, Feb. 21.
Buckels, Chris C., assignor to H. Hildebrandt, Chicago, Ill. Adjustable mounting support for outlet boxes. 2,528,418, Oct. 31.
Buckendale, Lawrence R., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Brake mechanism. 2,527,528, Oct. 31.
Buckeye Cotton Oil Company, assignee: *See*—
Atkinson, James D., Jr.
Buckeye Iron & Brass Works, assignee: *See*—
Rike, Fred F.
Rike, Fred F., and Webb.
Buckeye Steel Castings Company, The, assignee: *See*—
Wolfe, Harry H.
Buckius, Albert O., assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Journal box. 2,502,555, Apr. 4.
Buckius, Albert O., Cleveland, and D. Willison, Shaker Heights, assignors to National Malleable and Steel Castings Company, Cleveland, Ohio. Journal box. 2,533,917, Dec. 12.
Buckle, Richard H., executor: *See*—
Cottrell, Jack A., Hewitt, and Armitage.
Thynne, Arthur W. F., and Hewitt.
Buckles, John Q., G. A. Lensky, and W. Trible, assignors to The Cincinnati Milling Machine C., Cincinnati, Ohio. Automatic profile cutting machine. 2,535,895, Dec. 26.
Buckles, John Q., G. A. Lensky, and W. Trible, assignors to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Pattern controlled milling machine. 2,535,896, Dec. 26.
Buckley, Arthur H., Chicago, Ill. Cryptographic apparatus. 2,515,492, July 18.
Buckley, Cornelius J., Salem, and P. J. Hagelston, Danvers, assignors to Sylvania Electric Products Inc., Salem, Mass. Making lamp basing cement. 2,508,327, May 16.
Buckley, Francis T., West Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Stabilized polyvinyl acetal compositions. 2,528,337, Oct. 31.
Buckley, Francis T., and G. R. Sido, Springfield, Mass., assignors to Monsanto Chemical Company, St. Louis, Mo. Laminated glass interlayer. 2,534,102, Dec. 12.
Buckley, Frank R., Nutley, and D. Smythe, Lyndhurst, N. J. Rope brake. 2,516,851, Aug. 1.
Buckley, Joseph J., Melrose, Mass., assignor to General Electric Company. Apparatus for charging batteries. 2,506,340, May 2.
Buckley, Robert M., Pasadena, Calif. Pot strainer. 2,499,016, Feb. 28.
Buckley, S. W., assignee: *See*—
Downward, Frank M.
Buckley, Walter D., Berkeley, P. E. McCoy, San Francisco, and L. G. Thompson, Oakland, assignors by mesne assignments, to Stancal Asphalt & Bitumuls Company, San Francisco, Calif. Preparing an adhesive by mixing a rubber latex, filler, and a bituminous emulsion. 2,506,339, May 2.
Bucklin, Gladys H., assignee: *See*—
Anderson, Edward L. and L. B.
Buckly, Ernest, assignee: *See*—
Roberts, Clarence F.
Buckman, Alfred F., Jr., and M. M. Rendall, assignors to S. C. Johnson & Son, Inc., Racine, Wis. Aqueous wax emulsion. 2,504,920, Apr. 18.
Buckman, Kenneth E.: *See*—
Browne, Donald B., and Buckman.
Buckmaster, Samuel A., Dallas, Tex., assignor to Lummus Cotton Gin Company. Apparatus for conditioning cotton for ginning. 2,525,116, Oct. 10.
Buckmeyer, Charles E.: *See*—
Mapson, Donald L., and Buckmeyer.
Bucknam, James H., and R. S. Babcock, Cranford, N. J., assignors to The Linde Air Products Company. Thermochemically cutting metal bodies. 2,510,210, June 6.
Bucknam, James H., Cranford, and I. P. Thompson, Elizabeth, N. J., assignors to The Linde Air Products Company. Thermochemically conditioning metal bodies. 2,493,802, Jan. 10.
Buckner, L. G., Jr., Jefferson City, Mo. Classification signal and extensible flag. 2,518,280, Aug. 8.
Buckner, Vincent J., Washington, D. C. Stepladder. 2,509,206, May 30.
Bucks, David H., Milwaukee, Wis. Rope glider. 2,493,855, Jan. 10.
Bucksath, Grace, administratrix: *See*—
Bucksath, Russell.
Bucksath, Russell, deceased, late of Long Beach, Calif., by G. Bucksath, administratrix, Long Beach, Calif. Fork lift truck with boom. 2,493,750, Jan. 10.
Buckthal, Elmer P., Brookfield, assignor to United Air Lines, Inc., Chicago, Ill. Alternating-current generator. 2,528,111, Oct. 31.
Buckwalter, Frank H., Dewitt, assignor to Bristol Laboratories Inc., Syracuse, N. Y. Penicillin product. 2,507,193, May 9.
Buckwalter, Howard M., Detroit, and P. D. Montgomery, Oak Park, Mich., assignors to United States Rubber Company, New York, N. Y. Treatment of cellulose. 2,521,446, Sept. 5.
Bucky, Peter A., Flushing, assignor to Tell-A-Turn Corporation, New York, N. Y. Service indicator. 2,520,198, Aug. 29.
Bucyrus-Erie Company, assignee: *See*—
Davidson, Trevor O.
Hoar, Roger S., and Thierry.
Mork, George W.
Mork, George W., and Reuter.
Reischl, Karl E.
Thierry, John A.
Wells, Robert L.
Buda Company, The, assignee: *See*—
Cole, Abel J.
Budack, Henry B., Sacramento, Calif. Level indicator with star wheel damper. 2,523,419, Sept. 26.
Budai, Steve G., Cincinnati, assignor to The Globe-Wernicke Co., Norwood, Ohio. Desk drawer partition. 2,507,366, May 9.
Budai, Steve G., Norwood, and J. H. Brinker, Cincinnati, assignors to The Globe-Wernicke Co., Norwood, Ohio. Drawer cabinet locking structure. 2,501,932, Mar. 28.
Budd, Arthur F., Holly Hill, Fla. Booth table support. 2,509,332, May 30.
Budd Company, The, assignee: *See*—
Barnes, Gladeon M.
Burton, John E.
Callender, Edwin M.
Callender, Edwin M., and Van Sciver.
Davies, Richard S.
Dean, Albert G.
Dean, Albert G. and W. B.
Dean, Albert G., and Fesmire.
Dean, Walter B.
Dean, Walter B., and Fesmire.
Eksergian, Carolus L.
Gerts, Christian A., and Clay.
Jacob, Ellis L.
Ledwinka, Joseph, and Trautvetter.
Mann, William.
Rathgen, Ewalt A.
Schiff, Karl L.
Sutherland, Edward.
Temple, Robert B.
Theriault, Raymond J.

Budd Company, The, assignee: *See*—Continued.
Van Sciver, Herbert D., II, and MacKinney.
Watter, Michael.
Watter, Michael, and Lyon.
Weightman, William A.
Budd, Larry J.: *See*—
Brandon, Martin, Robinson, and Budd.
Budd, Larry J., Chicago, assignor to Pallet Devices, Inc., Melrose Park, Ill. Making pallets. 2,528,413, Oct. 31.
Budd, Leighton, Brooklyn, N. Y. Scooter. 2,522,744, Sept. 19.
Budd, Wilbert H., M. B. Arisman, and R. R. Thompson, assignors to Chicago Telephone Supply Corporation, Elkhart, Ind. Tandem variable resistor control. 2,493,184, Jan. 3.
Budden, Edgar L., Richmond Hill, N. Y., assignor, by mesne assignments, to De Florez Engineering Company, Incorporated. Bookbinding. 2,516,446, July 25.
Budden, Edgar L., Richmond Hill, N. Y., assignor, by mesne assignments, to De Florez Engineering Company, Incorporated. Adhesive binding for books. 2,523,860, Sept. 26.
Budden, Kenneth G.: *See*—
Bowen, Edward G., Taylor, and Budden.
Buddenhagen, Doris M., Kenmore, N. Y. Rubber footwear. 2,512,917, June 27.
Budelman, Christopher D., Baldwin, N. Y. Tool and handle attaching means therefor. 2,497,437, Feb. 14.
Budenbom, Horace T., Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Object locating system. 2,515,332, July 18.
Buder, Spurgeon H., Merchantville, N. J., and W. H. Eichelberger, Denver, Colo., assignors to Radio Corporation of America. Regulating device. 2,519,173, Aug. 15.
Budge, Thomas F., Malad, Idaho. Machine for uncapping honeycomb. 2,501,261, Mar. 21.
Budlong, Vernon E., Brainerd, Minn. Pin fastening means. 2,508,219, May 16.
Budne, Thomas A., Brooklyn, N. Y. Building joint connector. 2,535,263, Dec. 26.
Budnick, Abraham M., and N. O. Berg, Seattle, Wash. Caster. 2,505,852, May 2.
Budreck, Frances, assignor to Monarch Tool & Machinery Co., Chicago, Ill. Vehicle rearview mirror structure having an elastic mounting band. 2,498,065, Feb. 21.
Budreck, Frances, assignor to Monarch Tool & Machinery Co., Chicago, Ill. Antiglare rear-vision mirror. 2,502,699, Apr. 4.
Buds Aero Castings, Incorporated, assignee: *See*—
Mallach, Joseph W.
Budy, Ernest, assignee: *See*—
Mock, Harry W.
Buechner, William W.: *See*—
Van de Graaff, Robert J., and Buechner.
Buehl, John L., Washington, Ill. Line holder. 2,510,862, June 6.
Buehl, John L., Washington, Ill. Decoy anchor. 2,520,233, Aug. 29.
Buehl, John L., Washington, Ill. Decoy anchor. 2,523,811, Sept. 26.
Buehl, Russell C., Edgewood, J. P. Riott, and E. P. Shoub, Pittsburgh, Pa. Production of low sulfur sponge iron. 2,495,225, Jan. 24.
Buehler, Arthur: *See*—
Widmer, Willy, and Buehler.
Buehler, Frank A., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Weldable sight glass structure. 2,527,792, Oct. 31.
Buehler, Maurice E., Dayton, Ohio. Relative time difference indicating system. 2,514,369, July 11.
Bueken, Hans E.: *See*—
Hanson, Alden W., Heston, and Buecken.
Magerkurth, Wilhelm A., and Buecken.
Buell, Leslie A., Holly, Mich. Car door seal. 2,508,660, May 23.
Buell, Roy D., Chicago, Ill. Signal horn. 2,521,148, Sept. 5.
Buell, Roy D., and O. H. Simmons, Chicago, Ill.; said Simmons assignor to said Buell. Compressor. 2,513,547, July 4.
Buelow, William H., assignor to Chain Belt Company, Milwaukee, Wis. Automatic control mechanism for contcrete mixers. 2,519,346, Aug. 22.
Buenger, Edward F., River Forest, and J. J. Monighan, assignors to Wilson-Jones Company, Chicago, Ill. Loose-leaf binder. 2,512,415, June 20.
Buensod-Stacey, Incorporated, assignee: *See*—
Lea, Edward S.
Buerger, William J., Cincinnati, assignor to The Dayton Folding Box Company, Harrison, Ohio. Collapsible box. 2,513,079, June 27.
Buffalo Brake Beam Company, assignee: *See*—
Busch, Charles R.
Buffalo Dental Manufacturing Company, assignee: *See*—
Lewis, John H.
Buffalo-Electro Chemical Company, Inc., assignee: *See*—
Dawsey, Lynn H., Umhoefer, and Muehlhausser.
Greenspan, Frank P., and Margulies.
Greenspan, Frank P., and Nerney.
McEwen, Robert L.
McEwen, Robert L., and Sheldon.
Umhoefer, Robert R.
Buffalo Machinery Company, Incorporated, assignee: *See*—
Miller, Frank A.
Buffalo-Springfield Roller Co., The, assignee: *See*—
Greiner, Carl F., and Harrison.
Buffalo Turbine Agricultural Equipment Co., Inc., assignee: *See*—
Sawyer, James G.
Buffington, Alan P., assignor to Philco Corporation, Philadelphia, Pa. Mounting means for variable inductance coils. 2,507,488, May 16.
Buffington, Alan P., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Coil shielding means. 2,515,333, July 18.
Buffington, George D.: *See*—
Thomson, Alec, and Buffington.
Buffington, Malcolm R., Millburn, assignor to Lea Fabrics, Inc., Newark, N. J. Treatment of fabrics, yarns, threads, strands, and the like to render rubberized articles made therefrom more durable. 2,501,988, Mar. 28.
Buffington, Ralph M., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Refrigeration apparatus, including means for limited removal of noncondensable gases. 2,510,737, June 6.
Buford, William J., Houston, Tex. Animal trap. 2,524,423, Oct. 3.
Bugari, Torquato, Brooklyn, assignor to Excelsior Accordions Inc., New York, N. Y. Shift mechanism for accordions. 2,527,912, Oct. 31.
Bugatti, Ettore, Paris, France. Lathe. 2,494,797, Jan. 17.
Bugbee, Charles W.: *See*—
Beems, Floyd E., Bugbee, and Stephenson.
Stephenson, Thomas W., and Bugbee.
Bugenhagen, George H., Midland, Mich. Apparatus for removing blocks from molding machines. 2,496,000, Jan. 31.
Bugg, Kenly C., Fort Wayne, Ind. Liquid dispensing apparatus. 2,530,113, Nov. 14.
Bugg, Kenly C., and H. L. Hart, Fort Wayne, Ind.; said Hart assignor to said Bugg. Reel. 2,530,114, Nov. 14.
Bugg, Kenly C., and H. L. Hart, Fort Wayne, Ind., said Hart assignor to said Bugg. Tube setting. 2,530,855, Nov. 21.
Bugge, Erling P., Santa Monica, Calif. Snap switch. 2,511,526, June 13.
Buggie, H. H., & Company, assignee: *See*—
Sprigg, Edward A.
Bugler, Arthur V., Timperley, assignor to Linotype and Machinery Limited, London, England. Apparatus for cooling curved stereotype printing plates. 2,524,159, Oct. 3.
Buhl, Walter T: *See*—
Cahill, Lysle D., Buhl, and Horwitz.
Buhler, Eugen, Poughkeepsie, assignor to International Business Machines Corporation, New York, N. Y. Mounting means for type cylinders. 2,493,856, Jan. 10.
Buhler, Gebruder, assignee: *See*—
Fuchs, Rudolf.
Tanner, Fritz.
Bühler, Heinrich, Zurich, Switzerland. Wire clamp. 2,524,649, Oct. 3.
Buhler, Walter C., Dayton, Ohio. Airfoil parachute. 2,523,276, Sept. 26.
Buhrendorf, Frederick G., Westfield, and F. Dermond, Wayne Township, Passaic County, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Recording pen check mechanism. 2,511,195, June 13.
Bührer, Erwin, Buchtalen, Switzerland, assignor to Societe Anonyme des Acieries ci-devant Georges Fischer, Schaffhausen. Filling annealing pots. 2,515,693, July 18.
Buhrmaster, Frederick R., Webster Groves, assignor to Gaylord Container Corporation, St. Louis, Mo. Carton. 2,517,080, Aug. 1.
Buick, John A., Norfolk, Va. Pull match package. 2,532,440, Dec. 5.
Buike, Otto C.: *See*—
Burnett, Peter, and Buike.
Building Equipment Patents Company, assignee: *See*—
Krueger, William H.
Building-Logs, Incorporated, assignee: *See*—
Edson, Arthur W., and Thielking.
Buis, Martinus, Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Alicyclic monocarboxylates in hydrocarbon extraction. 2,516,614, July 25.
Buisman, Jan A. K., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Preparing 7-hydroxysterols and esters. 2,520,234, Aug. 29.
Buisson, Pierre, Vanves, France. Gauge guiding means. 2,535,897, Dec. 26.
Bukowsky, Harry E., Port Townsend, Wash., assignor to Crown Zellerbach Corporation, San Francisco, Calif. Hydraulic type bark-removing machine having nozzle adjustable about two spaced horizontal axes. 2,508,594, May 23.
Bula, Frank J., Speedway City, Ind. Bombing game. 2,531,608, Nov. 28.
Bule, Edward R., Brooklyn, N. Y. Brake control means. 2,507,140, May 9.

Bulgin, Douglas, Erdington, Birmingham, assignor to Dunlop Rubber Company Limited, London, England. Electrical apparatus for measuring electrostatic voltages. 2,531,609, Nov. 28.
Bulin, Martin: *See*—
Penker, Ernest, and Bulin.
Bull, Cabot S., Hillingdon, assignor to Electric and Musical Industries Limited, Middlesex, England. Transmission line seal for electron discharge devices. 2,504,494, Apr. 18.
Bull, Carl O., Ulvsunda, assignor to Fastighetsaktiebolaget Lubo, Boras, Sweden. Wheelbarrow with weighing means. 2,535,264, Dec. 26.
Bull Dog Electric Products Company, assignee: *See*—
Robertson, William.
Bull, Eric W.: *See*—
Watton, Walter L., Bull, and White.
Bull, Glen C., Richmond, Ind. Roof or siding. 2,526,727, Oct. 24.
Bullard Clark Company, The, assignee: *See*—
Bullard, Washington I.
Moe, J. Edgar.
Bullard Company, The, assignee: *See*—
Bullard, Edward P., III.
Bullard, Edward P., III, Baudis, and Grinage.
Cassidy, Clifford D.
Bullard, Edward P., III, Fairfield, Conn., assignor to The Bullard Company. Positioning apparatus. 2,500,796, Mar. 14.
Bullard, Edward P., III, Fairfield, Conn., assignor to The Bullard Company. Positioning apparatus. 2,500,797, Mar. 14.
Bullard, Edward P., III, Fairfield, Conn., assignor to The Bullard Company. Positioning apparatus. 2,500,798, Mar. 14.
Bullard, Edward P., III, Fairfield, Conn., assignor to The Bullard Company. Control mechanism. 2,511,821, June 13.
Bullard, Edward P., III, Fairfield, Conn., assignor to The Bullard Company. Control mechanism. 2,528,736, Nov. 7.
Bullard, Edward P., III, and L. J. Baudis, Fairfield, and C. M. Grinage, Bridgeport, Conn., assignors to The Bullard Company. Positioning apparatus. 2,500,150, Mar. 14.
Bullard, Edwin F.: *See*—
McAllister, Sumner H., and Bullard.
Bullard, Eleanor G., executrix: *See*—
Bullard, Washington I.
Bullard, George H., Westboro, Mass. Cutoff machine. 2,511,563, June 13.
Bullard, Robert O., and R. J. Parker, Schenectady, N. Y., assignors to General Electric Company. Constant torque device. 2,519,882, Aug. 22.
Bullard, Washington I., deceased, Charlotte, N. C., by E. G. Bullard, executrix, Charlotte, N. C., and L. B. Pitts, St. Augustine, Fla., assignors to The Bullard Clark Company, Danielson, Conn. Laminated picker stick. 2,503,711, Apr. 11.
Bulldog Electric Products Company, assignee: *See*—
Platz, Elwood T., and Fisher.
Robertson, William, and Higgins.
Bulleid, Oliver V., assignee: *See*—
Lynes, Lionel.
Bulliet, Leander J., Rockford, assignor to Odin Corporation, Chicago, Ill. Speed control system for alternating current motors. 2,528,467, Oct. 31.
Bullman, Louis K., and S. Underwood, Norfolk, Va. Cutting torch holder. 2,514,741, July 11.
Bullock, Byrrell W.: *See*—
Harris, Milton, Fourt, Bullock, and Bloch.
Bullock, Ian H., assignor to Koebel Diamond Tool Co., Detroit, Mich. Core bit. 2,506,341, May 2.
Bullock, Ian H., assignor to Koebel Diamond Tool Company, Detroit, Mich. Core bit. 2,520,876, Aug. 29.
Bullock, Jesse T., Kansas City, Kans., assignor of one-third to A. J. Bramlette, Los Angeles, and one-third to W. R. Harriman, Hondo, Calif. Light concentrating reflector camera. 2,534,543, Dec. 19.
Bullock, Sarah M., assignee: *See*—
Bruen, George C.
Bulova Watch Company, Inc., assignee: *See*—
Domler, Charles A.
Bulow, Einar V.: *See*—
Goddin, Harvie W., and Bulow.
Buls, Vernon W.: *See*—
Hearne, George W., and Buls.
Bumber, Walter L., Chicago, Ill. Receptacle closure. 2,496,439, Feb. 7.
Bumbera, Edmund A., Turtle Creek, and C. S. Herr, Jr., Penn Township, Allegheny County, Pa.; said Herr assignor to said Bumbera. Clothesline structure. 2,530,324, Nov. 14.
Bumgardner, E. G., assignee: *See*—
Rabon, Melton G.
Bu Miller, Leo O., Van Nuys, assignor to E. H. Hopkins, Los Angeles, Calif. Adjustable tripod leg. 2,503,997, Apr. 11.
Bump, Charles K., Hampden, and G. H. Bischoff, Fort Devens, Mass., assignors to Monsanto Chemical Company, St. Louis, Mo. Hot melt coating compositions. 2,527,793, Oct. 31.
Bumpus, Merlin: *See*—
Porter, Frank, Bumpus, and Cosby.
Bumstead, Dale, Jr., Seattle, Wash. Furnace. 2,494,608, Jan. 17.
Bumstead, George N., Bethesda, Md., assignor to National Geographic Society, Washington, D. C. Composing frame and easel for use in photographic reproductions. 2,495,887, Jan. 31.
Bunch, Joseph M., Ferguson, Mo. Mechanism for opening and closing doors. 2,533,423, Dec. 12.
Bunch, Tillman T., Towson, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Cop-carrying device for braiding machines. 2,506,772, May 9.
Bundy, Kenneth O.: *See*—
Bowden, Norman E., and Bundy.
Bundy Tubing Company, assignee: *See*—
Woeller, Erich O.
Bunin, Louis, Los Angeles, Calif. Puppet for stop-motion technique. 2,520,491, Aug. 29.
Bunker, Harry A., St. Lambert, assignor to The Robert Mitchell Company Limited, Montreal, Quebec, Canada. Wash basin installation. 2,498,940, Feb. 28.
Bunker, Harry A., St. Lambert, Quebec, assignor to The Robert Mitchell Company Limited, Montreal, Quebec, Canada. Folding washbasin provided with article intercepting plate. 2,513,624, July 4.
Bunn, George P., Bartlesville, Okla., assignor to Phillips Petroleum Company. Agglomeration of carbon black. 2,511,901, June 20.
Bunn, John, Corp., The, assignee: *See*—
Greene, John R.
Bunnell, Charles E., College, territory of Alaska. Door. 2,514,370, July 11.
Buntin, George A., assignor to Hercules Powder Company, Wilmington, Del. Chlorinated terpene sulfone and insecticidal composition containing same. 2,514,564, July 11.
Bunting, Bessie, assignee: *See*—
Bunting, Norman E.
Bunting, Ernest V., Dearborn, assignor to Harry Ferguson, Inc., Detroit, Mich. Hitch mechanism for tractors. 2,506,773, May 9.
Bunting, Ernest V., Dearborn, assignor to Harry Ferguson, Inc., Detroit, Mich. Earth boring attachment for tractors. 2,521,895, Sept. 12.
Bunting, Norman E., assignor to B. Bunting, Cedar Rapids, Iowa. Combination grain-feeding and threshing means for harvesters. 2,493,105, Jan. 3.
Buntzman, David H., Los Angeles, Calif., assignor to International Electronics Corporation. Flasher. 2,514,836, July 11.
Bunyan, George A., New Rochelle, N. Y. Radar trainer. 2,505,094, Apr. 25.
Bunyan, Paul, Bait Company, The, assignee: *See*—
Larson, Karl R.
Buono, Joseph, Jamaica, N. Y. Folding umbrella. 2,515,493, July 18.
Buono, Mario, assignor to U. S. Blind Stitch Machine Corp., New York, N. Y. Sewing machine. 2,514,837, July 11.
Buquoi, John Q., J. J. Noel, Jr., and E. J. Schexnaildre, Plaquemine, La. Continuous centrifugal drier. 2,499,457, Mar. 7.
Bur, Armand, Cleveland, Ohio. Car dumper sampling apparatus. 2,533,090, Dec. 5.
Bura, Walter M., Orange, N. J., assignor to Norton Company, Worcester, Mass. Cutting tool. 2,502,922, Apr. 4.
Buras, Edmund M., Jr., and J. D. Reid, New Orleans, La., assignors to the United States of America as represented by the Secretary of Agriculture. Line-operated vacuum tube voltmeter. 2,513,281, July 4.
Burasco, Henry J., Kansas City, Mo. Vending machine. 2,532,084, Nov. 28.
Burbach, Edward M., assignee: *See*—
Mudon, Thomas J.
Burby, Philip E., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Fastening-inserting machine. 2,516,954, Aug. 1.
Burby, Philip E., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Fastening upper holding binders to shoes. 2,520,996, Sept. 5.
Burch, Orson G., Detroit, Mich. Cleaning brush with improved disk feature. 2,510,376, June 6.
Burch, Roy E., Midland, Mich. Foldable seat. 2,509,420, May 30.
Burch, Roy F., Sr., Denver, Colo. Locking type hair-waving rod. 2,530,374, Nov. 21.
Burchell, Fford, assignor to Burchell-Holloway Corporation, New York, N. Y. Clock display device. 2,506,134, May 2.
Burchell, Fford, assignor to Burchell-Holloway Corporation, New York, N. Y. Device for exhibiting changeably colored designs and supporting frame therefor. 2,506,135, May 2.
Burchell, Fford, assignor to Burchell-Holloway Corporation, New York, N. Y. Changeable image and color display device. 2,535,781, Dec. 26.
Burchell-Holloway Corporation, assignee: *See*—
Burchell, Fford.
Burchett, Ray L., East Orange, assignor to Ronson Art Metal Works, Inc., Newark, N. J. Flint positioning mechanism. 2,501,841, Mar. 28.
Burchett, Ray L., East Orange, assignor to Ronson Art Metal Works, Inc., Newark, N. J. Cigar lighter. 2,511,492, June 13.

Burd, Samuel I. New York, N. Y., assignor to Reconstruction Finance Corporation, Philadelphia, Pa. Adjustable welt for stockings. 2,494,927, Jan. 17.
Burd, Samuel I., New York, N. Y., assignor to Reconstruction Finance Corporation, Philadelphia, Pa. Stocking. 2,505,941, May 2.
Burden, Emmett C., Lansing, Mich. Floating ottoman. 2,534,499, Dec. 19.
Burdett, Horace H., Milford, assignor to Draper Corporation, Hopedale, Mass. Ratchet mechanism. 2,534,572, Dec. 19.
Burdett, John C., Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Single phase electric motor. 2,508,143, May 16.
Burdick Corporation, The, assignee: *See*—
Bowers, Oscar R.
Maris, James B.
Burdick, Edwin C., Philadelphia, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Pressure gauge. 2,502,776, Apr. 4.
Burdick, Everette M., Peoria, Ill., assignor to the United States of America as represented by the Secretary of Agriculture. Separation of starch from wheat flour. 2,504,962, Apr. 25.
Burdick, Everette M., Weslaco, and J. S. Allen, McAllen, assignors to Texsun Citrus Exchange, Weslaco, Tex. Processing citrus peel and citrus peel liquor. 2,525,645, Oct. 10.
Burdick, Everette M., Weslaco, and R. H. Maurer, Pharr, assignors to Texsun Citrus Exchange, Weslaco, Tex. Removal of naringin from solutions containing the same. 2,510,797, June 6.
Burdick, Will S., Wauwatosa, and K. Schneider, Greendale Village, assignors to Harnischfeger Corporation, Milwaukee, Wis. Crane boom mounting. 2,532,602, Dec. 5.
Burditt, Frederic M., Cambridge, assignor to Yankee Enterprises, Incorporated, Boston, Mass. Kitchen utensil. 2,527,395, Oct. 24.
Bureau, Arthur A., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Reel. 2,503,374, Apr. 11.
Bureau, Arthur A., Chicago, and E. M. Denny, Oak Park, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Reel. 2,514,932, July 11.
Burelbach, Frederick M., Cranford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Engine temperature and cowl flap control for aircraft ground trainers. 2,496,617, Feb. 7.
Burelbach, Frederick M., Cranford, N. J., and J. J. Lukacs, New Rochelle, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Ground trainer for training aircraft crew members. 2,506,949, May 9.
Buren, Newton J., Tacoma, Wash. Outside rear-vision mirror having contrasting colors. 2,514,989, July 11.
Buret, Raymond, Melle, assignor to Les Usines de Melle (Societe Anonyme), Saint-Leger-les-Melle, France. Treatment of rubberlike polymers from butadiene hydrocarbons with carboxylic acid anhydrides. 2,524,424, Oct. 3.
Burford, William B., III, and H. C. Anderson, Baltimore, Md., assignors to the United States of America as represented by the United States Atomic Energy Commission. Disposing of corrosive gases. 2,515,112, July 11.
Burford, William B., III, Baltimore, Md., and C. E. Weber, Schenectady, N. Y., assignors to the United States of America as represented by the United States Atomic Energy Commission. Stabilization of perfluoro oils. 2,496,115, Jan. 31.
Burg, Bertha R., Los Angeles, Calif. Necktie holder. 2,503,375, Apr. 11.
Burg, Fred, Los Angeles, Calif. Flexible toolholder. 2,525,646, Oct. 10.
Burg, George W., Portland, Oreg. Hand truck. 2,514,308, July 4.
Burg, Horace E., Hanover, Pa., assignor to Food Machinery and Chemical Corporation. Glue applicator for labeling machines. 2,506,061, May 2.
Burge, James S., Anderson, H. J. McKee, Middletown, and W. M. Rider, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Spring loop forming device. 2,505,942, May 2.
Burgener, Karl L., Villa Park, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Relay circuit for signal control. 2,504,641, Apr. 18.
Burgener, Karl L., Villa Park, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Tie line circuit arrangement. 2,532,889, Dec. 5.
Burger, Arnold J. and V. F., New York, N. Y. Multiple garment hanger. 2,514,742, July 11.
Burger, Charles H., assignor to Dermetics, Inc., New York, N. Y. Bottle and holder therefor. 2,533,349, Dec. 12.
Burger, George L., Chicago, Ill. Meat-block structure. 2,500,626, Mar. 14.
Burger, Michael J.: *See*—
Barnes, Thomas G., and Burger.
Burger, Michael J., Murray Hill, and G. F. Clement, East Orange, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Torque controlling mechanism. 2,535,667, Dec. 26.
Burger, Michael J., Murray Hill, N. J., R. W. Collins, Monroe, N. Y., and A. S. Cosler, Jr., Columbus, Ohio, assignors to the United States of America as represented by the Secretary of the Navy. Peak reading voltmeter. 2,493,336, Jan. 3.
Burger, Sol H., Newark, N. J. Ornamental novelty device. 2,506,197, May 2.
Burger, Sol H., Newark, N. J. Decorative device for bicycle handle bars. 2,508,812, May 23.
Burger, Violet F.: *See*—
Burger, Arnold J. and V. F.
Burgess, Archibald R., assignor, by mesne assignments, to M. L. J. Lambert, doing business as Crystal-Flo Products Company, St. Louis, Mo. Hydraulically operated liquid dispensing device. 2,503,376, Apr. 11.
Burgess, Archibald R., assignor, by mesne assignments, to M. L. J. Lambert, doing business as Crystal-Flo Products Company, St. Louis, Mo. Proportional flow valve. 2,535,835, Dec. 26.
Burgess Battery Company, assignee: *See*—
Blake, Ivan C., and Mullen.
Harris, Lawrence H.
Louzos, Demetrios V.
Mullen, John B.
Simmons, Frank A.
Burgess Cellulose Company, assignee: *See*—
Schorger, Arlie W.
Burgess, Dana M.: *See*—
Mayor, Harry A., and Burgess.
Burgess, Everett H.: *See*—
Lehane, Timothy J., and Burgess.
Burgess, Frank H., Philadelphia, Pa. Method and machine for gluing and folding paper boxes. 2,532,479, Dec. 5.
Burgess-Manning Company, assignee: *See*—
Hoyle, Robert L., Gallagher, and Chipley.
Burgess-Norton Manufacturing Company, assignee: *See*—
Waller, Gustav M.
Burgess, Richard E.: *See*—
Keil, Havard L., and Burgess.
Burgess, Robert, Jr., Noroton, Conn. Forming yarns. 2,519,347, Aug. 22.
Burgess, Wesley D., Devon, Conn., assignor to General Electric Company. Punch press set ups. 2,504,642, Apr. 18.
Burgett, Monte I., assignor to Philco Corporation, Philadelphia, Pa. Permeability-tuned high-frequency amplifier. 2,514,357, July 11.
Burghoff, Louis R., Forrestville, assignor to The E. Ingraham Company, Bristol, Conn. Electric connecting means for electric coils. 2,511,693, June 13.
Burgoon, Henry E., Fremont, Ohio. Butcher block scraper and cleaner. 2,504,643, Apr. 18.
Burgoyne, Charles L., Norwood, Ohio. Fire extinguisher. 2,502,923, Apr. 4.
Burgun, Jules J., Wilkinsburg, assignor to Edwin L. Wiegand Company, Pittsburgh Pa. Electric heater. 2,528,030, Oct. 31.
Burgwin, Stephen L.: *See*—
Bailey, Francis T., and Burgwin.
Burgwin, Stephan L., East Aurora, J. F. Kovalsky, Buffalo, N. Y., and R. E. Hull, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Speed regulating system. 2,498,247, Feb. 21.
Burhans, William G., Kingston, N. Y. Oil filter. 2,522,565, Sept. 19.
Burk, Alma S. and J. A., Lynwood, Calif. Combined hook and snap fastener. 2,528,854, Nov. 7.
Burk, Ernest, Washington, D. C. Finger ring. 2,497,207, Feb. 14.
Burk, James A.: *See*—
Burk, Alma S. and J. A.
Burk, Raymond V., Walnut Creek, Calif. Conformator. 2,523,647, Sept. 26.
Burk, Robert E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerization of substituted ethylenes containing organic coloring matter in presence of azo compounds. 2,500,023, Mar. 7.
Burk, Robert E., Wilmington, Del., and G. S. Stamatoff, Nutley, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Glass laminations and interlayers therefor. 2,526,728, Oct. 24.
Burke, Adrian P., executrix: *See*—
Burke, Ormonde J.
Burke, Arnold C., Toronto, Ontario, Canada. Placenta filter. 2,506,342, May 2.
Burke, George F. C.: *See*—
Cummings, Roy W., and Burke.
Whelton, John M., and Burke.
Burke, James J., assignor to American Viscose Corporation, Wilmington, Del. Dry spinning system. 2,515,393, July 18.
Burke, John H. Q., Oklahoma City, Okla. Brush spreading attachment for tractors. 2,529,998, Nov. 14.
Burke, Ormonde J., deceased, New York, N. Y.; A. P. Burke, executrix of said O. J. Burke. Valve construction. 2,524,764, Oct. 10.
Burke, Richard L., Swarthmore, assignor to Sun Shipbuilding & Dry Dock Company, Chester, Pa. Seaplane terminal dock. 2,501,310, Mar. 21.
Burke, Walter A.: *See*—
Van Dusen, Frederick J., and Burke.

Burke, William J., Marshallton, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of secondary cellulose esters. 2,508,013, May 16.
Burke, William J., Athens, Ohio, and W. A. Hoffman, Kenmore, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Compounds having a carboxyalkylthio or a carbalkoxyalkylthio group bonded to silicon through hydrocarbon. 2,515,857, July 18.
Burke, Willie C., Kenosha, Wis. Diaper. 2,530,189, Nov. 14.
Burkett, Griffith L., Martinsville, Ind. Automatic baler tension. 2,494,033, Jan. 10.
Burkey, Carl E., Seattle, Wash. Bumper attachment clamp for car-top carriers. 2,531,107, Nov. 21.
Burkhard, Carl H.: *See*—
Carothers, Thomas A., and Burkhard.
Burkhard, Ralph H.: *See*—
Santee, Edwin M., Burkhard, and Hess.
Burkhardt, Edwin H., Minneapolis, Minn. Lifesaving device. 2,518,750, Aug. 15.
Burkhardt, Harry L., deceased, Elmira, N. Y.; H. J. Burkhardt, executrix of said H. L. Burkhardt. Speed indicator. 2,511,694, June 13.
Burkhardt, Helen J., executrix: *See*—
Burkhardt, Harry L.
Burkhardt, Otto M., Euclid, assignor to Thompson Products Inc., Cleveland, Ohio. Selector cock. 2,503,612, Apr. 11.
Burkhardt, Otto M., Euclid, Ohio. Seal for pressure cookers. 2,524,558, Oct. 3.
Burkhardt, Robert E., and G. R. Purifoy, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Head-end power system for railway cars. 2,534,898, Dec. 19.
Burkhardt, Thomas E., assignor to General Motors Corporation, Dayton, Ohio. Fabricating heat exchangers. 2,514,469, July 11.
Burkhardt, Thomas E., assignor to General Motors Corporation, Dayton, Ohio. Rust removing. 2,531,320, Nov. 21.
Burkhart, Allen J., Sedgwick, Kans. Tobacco harvesting machine. 2,497,845, Feb. 21.
Burkhart, Raymond A., Pittsburgh, Pa., assignor to Carnegie-Illinois Steel Corporation. Apparatus for changing vertical mill rolls. 2,535,898, Dec. 26.
Burkhart, Robert A.: *See*—
Murphy, Eugene E., and Burkhart.
Burkholder, Alden H., assignor to Industrial Rayon Corporation, Cleveland, Ohio. Apparatus for treating twisted filamentary materials. 2,530,680, Nov. 21.
Burkholder, Claude A., assignor to General Box Distributors, Fresno, Calif. Feeding mechanism. 2,501,933. Mar. 28.
Burkitt, Henry L., assignee: *See*—
Prager, Gerald A.
Burkley, Clement J., assignor to Wingfoot Corporation, Akron, Ohio. Antiskid pneumatic tire. 2,496,932, Feb. 7.
Burks, Arthur W., assignor to Decatur Pump Company, Decatur, Ill. Air charger for hydropneumatic systems. 2,509,130, May 23.
Burks, Arthur W., assignor to Decatur Pump Company, Decatur, Ill. Air charger for hydropneumatic systems. 2,509,131, May 23.
Burks, George E., Peoria, Ill., and J. H. Sheusner, San Francisco, assignors to Caterpillar Tractor Co., San Leandro, Calif. Heat exchanger. 2,498,152. Feb. 21.
Burks, George E., J. W. Bridwell, G. T. Lundberg, and A. W. Sieving, Peoria, Ill., assignors to Caterpillar Tractor Co., San Leandro, Calif. Transmission coupling device. 2,535,388, Dec. 26.
Burley, Rol, St. Paris, Ohio. Reversible cooking utensil. 2,497,976. Feb. 21.
Burlin, Leslie H., Valparaiso, Ind., assignor to M. L. Sturm, doing business as Milton Sturm & Company, Chicago, Ill. Merchandise display rack. 2,500,115, Mar. 7.
Burlin, Leslie H., Valparaiso, Ind., assignor to M. L. Sturm, doing business as Milton Sturm & Company, Chicago, Ill. Folding chair. 2,514,309, July 4.
Burling, Elmer R., and J. P. Rich, Nashua, N. H. Method and apparatus for chemical treatment. 2,516,447, July 25.
Burlingame, Leslie G.: *See*—
Cameron, Emmet G., Keiper, Mitschke, Burlingame, and Ferguson.
Burlingame, Stanley W., Pawtucket, R. I., assignor to Barber-Colman Company, Rockford, Ill. Creel spindle for twisting machines and the like. 2,509,333, May 30.
Burlington Mills Corporation, assignee: *See*—
Woods, Herbert J.
Burmist, John G., Philadelphia, Pa. Accelerometer. 2,504,644. Apr. 18.
Burmist, John G., Philadelphia, Pa. Bearing. 2,520,453, Aug. 29.
Burn, Edward R., Cuyahoga Falls, Ohio, assignor to Aeronca Aircraft Corporation. Aircraft seat. 2,521,339, Sept. 5.
Burn, Lewis, London, England. Valve. 2,509,958, May 30.
Burnam, Aletha K., assignee: *See*—
Prout, Elmer W.
Burnam, Ann, assignee: *See*—
Prout, Elmer W.
Burnam, John C., assignee: *See*—
Prout, Elmer W.
Burnam, Leonard G., Mansfield, Ill. Stockcar. 2,498,647, Feb. 28.
Burnam, Thompson W., assignee: *See*—
Prout, Elmer W.
Burnam, Thompson W., Whittier, assignor to Fog Nozzle Company, Los Angeles, Calif. Fog nozzle. 2,499,092, Feb. 28.
Burndept Limited, assignee: *See*—
Richardson, Richard P., and Lewis.
Burndy Engineering Company, Inc., assignee: *See*—
Dupre, Henry P.
Rogoff, Julian.
Burnell, Maurice R., Noroton Heights, Conn., and W. J. van Loo, Jr., Rye, assignors to American Cyanamid Company, New York, N. Y. Aqueous dispersions and preparing the same. 2,519,348, Aug. 22.
Burner, Harold C., and G. E. Nigh, Palestine, Ill. Back hoe excavating implement with tiltable bucket. 2,496,696, Feb. 7.
Burnes, Ralph, Brooklyn, N. Y. Venetian blind. 2,512,594, June 27.
Burnes, Ralph, and S. S. Harris, Brooklyn, N. Y., said Harris assignor to said Burnes. Vehicle. 2,502,367, Mar. 28.
Burness, Donald M.: *See*—
Allen, Charles F. H., and Burness.
Burness, Thomas P. N., and A. Johnson, Halifax, England. Depth peg for mechanical grippers. 2,513,138, June 27.
Burness, Thomas P. N., and A. Johnson, Halifax, England. Mechanical gripper for diamonds. 2,513,139, June 27.
Burness, Thomas P. N., and A. Johnson, Halifax, England. Appliance for use in cutting and polishing diamonds and other substances. 2,530,421, Nov. 21.
Burnett, Aaron G., Coronado, Calif. Selective sectional money bag. 2,500,341, Mar. 14.
Burnett, David W.: *See*—
Crandell, Dean D., and Burnett.
Burnett, Goldie M., assignor of one-half to R. L. Burnett, Sweetwater, Tex. Chain tightening device. 2,533,918, Dec. 12.
Burnett, Peter, and O. C. Buike, Tonawanda, N. Y. Foot massage apparatus. 2,534,412, Dec. 19.
Burnett, Richard T., assignor to Bendix Aviation Corporation, South Bend, Ind. Accumulator valve. 2,531,669, Nov. 28.
Burnett, Roy L., assignee: *See*—
Burnett, Goldie M.
Burnett, William E., Arlington, Va., assignor to American Car and Foundry Company, New York, N. Y. Seat and bed structure. 2,504,645, Apr. 18.
Burney, Charles D., Baynards Park, near Cranleigh, England. Magazine loaded recoilless gun. 2,503,578, Apr. 11.
Burney, Charles D., Baynards Park, near Cranleigh, England. Cartridge case for ammunition. 2,535,624, Dec. 26.
Burney, Clyde D., Los Angeles, Calif. Plant growing block for a decorative fence construction. 2,514,536, July 11.
Burnham Corporation, assignee: *See*—
Eddison, William B., and King.
Burnham, John, and G. E. Green, Williamstown, assignors to Sprague Electric Company, North Adams, Mass. Electrical condenser. 2,504,178, Apr. 18.
Burnham, Oliver T., Milwaukee, Wis. Measuring dispenser for granulated material. 2,500,059, Mar. 7.
Burnham Soluble Iodine Company, assignee: *See*—
Frost, Walter S.
Burnham, Virgil A., and G. C. Anderson, Saco, Maine, assignors to Saco-Lowell Shops, Boston, Mass. Weighting mechanism for textile drawing machines. 2,525,647, Oct. 10.
Burnham, V. R., assignee: *See*—
Lucius, George P.
Burnight, T. Robert, Washington, D. C., and J. F. Clark, Jr., United States Navy. Electronic coordinating system. 2,531,393, Nov. 28.
Burnight, Thomas R., and J. F. Clark, Jr., Washington, D. C. Keying circuit. 2,533,219, Dec. 12.
Burnish, Howard J., III, deceased, Dallas, Tex., and V. F. Burnish, Holyrood, Kans.; V. F. Burnish, administratrix. Pressing iron holder and cooler. 2,529,132, Nov. 7.
Burnish, Verona F., administratrix: *See*—
Burnish, Howard J., III, and V. F.
Burnot, Joseph A., Paris, France, assignor to General Electric Company. Automatic gain control system. 2,503,900, Apr. 11.
Burns, Alexander, New York, N. Y. Portable tablet dispensing unit. 2,493,616, Jan. 3.
Burns, Bruce, Los Angeles, Calif. Device for applying adhesive tape. 2,493,737, Jan. 10.
Burns, Bruce, Yucca Valley, Calif. Snap-lock wrench. 2,532,659, Dec. 5.
Burns, Charles R. D., and A. R. Sivley, Gadsden, Ala. Apparatus for inducing pyrexia. 2,501,989, Mar. 28.
Burns, Edgar F., V. R. Woodruff, and A. R. Leonard, Jr., Spokane, Wash. Attachment for fur sewing machines. 2,531,766, Nov. 28.
Burns, Edwin J., Remington, Ind. Writing desk for vehicles. 2,522,602, Sept. 19.
Burns, Frank D.: *See*—
Wilhelm, Paul L., and Burns.

Burns, Fred J., Saginaw, Mich., assignor to The Columbia Mills, Inc., New York, N. Y. Cord lock mounting for Venetian blinds. 2,494,858, Jan. 17.

Burns, Fred J., Saginaw, Mich., assignor to The Columbia Mills, Inc., New York, N. Y. Venetian blind tilt shaft mechanism. 2,495,888, Jan. 31.

Burns, Fred J., Saginaw, Mich., assignor to The Columbia Mills, Inc., New York, N. Y. Slider guide rail. 2,507,690, May 16.

Burns, Fred J., Saginaw, Mich., assignor to The Columbia Mills, Inc., New York, N. Y. Frameless window screen. 2,519,998, Aug. 22.

Burns, Fred J., Saginaw, Mich., assignor to The Columbia Mills, Inc., New York, N. Y. Venetian blind. 2,530,422, Nov. 21.

Burns, George A., Liverpool, England, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Indicating board for electric power networks. 2,496,853, Feb. 7.

Burns, George A., Muskegon, Mich. Trailer steering mechanism. 2,533,553, Dec. 12.

Burns, Gordon E., assignor to The Columbia Burner Company, Toledo, Ohio. Gas burner head having peripheral secondary air supply. 2,501,207, Mar. 21.

Burns, Henry L., and V. J. Wulff, Yellow Springs, Ohio. Exhalation valve. 2,519,349, Aug. 22.

Burns, Henry L., Portland, Oreg. Automatic cycling valve used for hydraulic windshield wipers. 2,511,834, June 20.

Burns, Jabez, & Sons, Inc., assignee: *See*—
Willenborg, Walter J.

Burns, Leslie L., Jr.: *See*—
Harvey, Robert L., and Burns.

Burns, Louis G., Willoughby, Ohio, assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill. High altitude fuel system. 2,513,992, July 4.

Burns, Margaret M., Brooklyn, N. Y. Hydraulically driven rotary fountain. 2,506,487, May 2.

Burns, Robert, Barksdale Field, La. Toolholder. 2,529,372, Nov. 7.

Burns, Robert T.: *See*—
Pennow, Willis A., and Burns.

Burns, Thomas C., New Orleans, La. Forming concrete piles. 2,528,999, Nov. 7.

Burnside, Don G., Princeton, N. J., assignor to Radio Corporation of America. Diode for ultra high frequencies. 2,505,095, Apr. 25.

Burnstein, Isaac, Buffalo, N. Y., and L. Burnstein, St. Catherines, Ontario, Canada, assignors of twenty per cent to F. Pitterman, Buffalo, N. Y. Steam generating apparatus. 2,505,170, Apr. 25.

Burnstein, Louis: *See*—
Burnstein, Isaac and L.

Burpee, Edith R., Pelham, N. Y. Clothes hanger. 2,516,297, July 25.

Burr, Horace K., San Pablo, and B. Makower, Berkeley, Calif., assignors to the United States of America as represented by the Secretary of Agriculture. Vacuum drier with automatic capping device. 2,494,541, Jan. 17.

Burr, Lester D., Jr., Foxboro, assignor to R. F. Simmons Company, Attleboro, Mass. Cuff link. 2,519,821, Aug. 22.

Burr, Ned, assignor to Chicago Cardboard Company, Chicago, Ill. Folding display. 2,533,874, Dec. 12.

Burrage, Leslie J., Liverpool, England, assignor to Imperial Chemical Industries Limited. Benzene hexachloride insecticide with water repellant powdered vehicle. 2,523,420, Sept. 26.

Burress, John R., Arlington, Tex. Well activator. 2,534,949, Dec. 19.

Burress, Marshall, Moses Lake, Wash. Portable oil draining device. 2,531,765, Nov. 28.

Burrell, Guy H., assignor to Burrell Technical Supply Company, Pittsburgh, Pa. Burette holder. 2,499,945, Mar. 7.

Burrell, Harry, Paramus, and R. H. Barth, Ridgewood, N. J., assignors to Heyden Chemical Corporation, New York, N. Y. Resin-acid ester-acetals of polyhydric alcohols. 2,516,104, July 25.

Burrell, John E., United State Navy. Synchronizing circuit for television receiving equipment. 2,523,556, Sept. 26.

Burrell Technical Supply Company, assignee: *See*—
Burrell, Guy H.

Burri, Lucien S.: *See*—
Pereira, Virginia, and Burri.

Burris, Albert, St. Marys, Pa., assignor to the United States of America as represented by the Secretary of the Navy. Porosity tester. 2,509,905, May 30.

Burris, Joseph J., Houston, Tex. Key seat enlarger. 2,501,025, Mar. 21.

Burroughes, Eric R., Danbury, England, assignor to Radio Corporation of America. Unitary inductor and trimming capacitor. 2,502,202, Mar. 28.

Burroughs Adding Machine Company, assignee: *See*—
Geisheck, Charles W.

Burroughs, Arthur, and Company Limited, assignee: *See*—
Thorp, Allan.

Burroughs, Edwin E., Brooklyn, assignor to St. Regis Paper Company, New York, N. Y. Bag valve. 2,528,419, Oct. 31.

Burroughs, F. S., Co., Inc., assignee: *See*—
Burroughs, Frederick S.

Burroughs, Frederick S., Sparta, assignor to F. S. Burroughs Co., Inc., Dover, N. J. Lure. 2,497,846, Feb. 21.

Burroughs, Gordon S.: *See*—
Bednash, Casper S., and Burroughs.

Burroughs Tool and Equipment Company, assignee: *See*—
Delehanty, Allen J.

Burroughs Wellcome & Co. (U. S. A.) Inc., assignee: *See*—
Baltzle, Richard, Phillips, and Randall.
Grant, Reginald L.
Harms, Alfred J.
Hitchings, George H.
Hitchings, George H., and Thompson.
Walton, Eric, and Hudson.

Burrow, Mary B., Corpus Christi, Tex. Collapsible bathtub. 2,504,646, Apr. 18.

Burroway, Paul M., Phoenix, Ariz. Building block spacer. 2,527,985, Oct. 31.

Burrows, Dewey H., assignee: *See*—
Metz, Leonard R.

Burrows, Lawton A., Mendenhall, Pa., and H. H. Herring, Jr., Woodbury, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Isocinchomeronic acid by oxidation of 2,5-dialkylpyridine with concentrated nitric acid. 2,524,957, Oct. 10.

Burrows, Lewis M.: *See*—
Allen, Earle F., and Burrows.

Burrows, Milford D: *See*—
Goldberg, Harry, and Burrows.

Burry, William C., U. S. Army, Mountain Home, Pa., and A. B. Christie, U. S. Army, Dallas, Tex. Crutch. 2,516,852, Aug. 1.

Burshstein, Shoel, Winnipeg, Manitoba, Canada. Cigarette lighter. 2,506,774, May 9.

Burson, Manfred A., Hermiston, Oreg. Concrete form clamp. 2,528,031, Oct. 31.

Burstiner, Jack, New York, N. Y. Wrapping or packaging confections. 2,505,384, Apr. 25.

Burt, F. N., Company, Inc., assignee: *See*—
Nyden, Robert, and Dickerman.
Wells, William J.

Burt, Guy H., assignee: *See*—
Richardson, Arthur A.

Burt, Harry M., assignee: *See*—
Richardson, Arthur A.

Burt Machine Company, Incorporated, assignee: *See*—
Neer, Clifford H.

Burtch, Joel A., Shaker Heights, assignor to The Brush Development Company, Cleveland, Oho. Phonograph pickup. 2,518,861, Aug. 15.

Burtis, Theodore A.: *See*—
Kirkbride, Chalmer G., and Burtis.

Burtner, Robert R., assignor to G. D. Searle & Co., Skokie, Ill. Production of β-(acenaphthoyl) acrylic acids. 2,508,990, May 23.

Burtner, Robert R., assignor to G. D. Searle & Co., Skokie, Ill. Halogenated acenaphthoyl alkanoic acids. 2,512,518, June 20.

Burtner, Robert R., Skokie, and J. M. Brown, Chicago, assignors to G. D. Searle & Co., Skokie, Ill. Acenaphthoyl alkanoic acids and derivatives thereof. 2,513,273, July 4.

Burtner, Robert R., Skokie, and J. M. Brown, Chicago, assignors to G. D. Searle & Co., Skokie, Ill. Pyridylalkyl esters of aromatic substituted acetic acids. 2,529,865, Nov. 14.

Burtnett, Everett R., assignor to Borg-Warner Corporation, Chicago, Ill. Power transmitting mechanism. 2,519,022, Aug. 15.

Burton, Everett T., Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron tube coupling circuit. 2,502,822, Apr. 4.

Burton, Jahue C., Hartsville, S. C. Gear wheel. 2,493,106, Jan. 3.

Burton, John E., assignor to The Budd Company, Philadelphia, Pa. Panel heating. 2,513,993, July 4.

Burton, Mark, assignor of one-half to A. S. Brillhart, Perryton, Tex. Resetting means for parking meters. 2,519,634, Aug. 22.

Burton, Robert A., assignor to Johnson Hinge Company, High Point, N. C. Sofa bed. 2,513,000, June 27.

Burton, William, Brooklyn, N. Y. Rotary reel for driving and storing flexible pipe-cleaning elements. 2,501,311, Mar. 21.

Burton, William P., Orange, assignor to The M. W. Kellogg Company, Jersey City, N. J. Separation of organic compounds. 2,505,752, May 2.

Burtt, Horatio H., Hartsdale, N. Y. Electrical connector. 2,513,080, June 27.

Burtt, Horatio H., Hartsdale, W. W. Koenig, Flushing, and C. E. Soderstrom, assignors to Winchester Electronics Company, New York, N. Y. Connector with strain relief. 2,526,325, Oct. 17.

Burtt, Horatio H., Hartsdale, C. E. Soderstrom, New York, and W. W. Koenig, Flushing, assignors to Winchester Electronics Company, New York, N. Y. Self-separating electrical connector. 2,532,538, Dec. 5.

Burtt, Kenneth E., Davenport, Iowa. Conveying attachment for golf bags. 2,508,059, May 16.

Burwell, Blair, Grand Junction, Colo., assignor to United States Vanadium Corporation. Rotary treater for ores. 2,521,896, Sept. 12.

Burwell, Maurel G., Columbus, Ohio. Liquid heating apparatus. 2,522,091, Sept. 12.

Burwell, Stanley J., Toronto, Ontario, Canada. Motor scooter frame and rear wheel suspension. 2,500,659, Mar. 14.
Bury, Charles, Princeton, Ind., assignor to International Derrick and Equipment Company, Dallas, Tex. Portable drilling rig. 2,516,182, July 25.
Busch, Charles R., Orange, N. J., assignor to Buffalo Brake Beam Company, New York, N. Y. Brake beam. 2,493,913, Jan. 10.
Busch, Charles R., Orange, N. J., assignor to Buffalo Brake Beam Company, New York, N. Y. Slack adjuster for brakes. 2,518,120, Aug. 8.
Busch, Georg L., Copenhagen, Denmark. Neutralizing capillary active sulfonated products. 2,511,043, June 13.
Busch, Tom N.: *See*—
Evans, John L., and Busch.
Buscher, Harold K., and O. Z. Whitenack, Indianapolis, Ind. Diameter gauge for small bores. 2,495,406, Jan. 24.
Buschmann, Oskar H., assignor to Copeland Refrigeration Corporation, Sidney, Ohio. Compressor unloader. 2,520,674, Aug. 29.
Buschor, Frank M., Celina, Ohio. Adjustable land roller and harrow. 2,523,421, Sept. 26.
Buschow, Herman F., North Arlington, N. J., assignor to Hydrocarbon Research, Inc., New York, N. Y. Heat exchange unit. 2,532,288, Dec. 5.
Busenius, Albert S., assignee: *See*—
Busenius, Ferdinand G.
Busenius, Ferdinand G., Graham, assignor of one-half to Albert S. Busenius, Tacoma, Wash. Log stake for trucks. 2,518,974, Aug. 15.
Bush, A. G., assignee: *See*—
Criner, Harry J.
Petskeyes, Charles H.
Schumacher, Henry E.
Bush, Ean L., San Francisco, Calif. Rat guard. 2,493,107, Jan. 3.
Bush, Ean L., San Francisco, Calif. Crab trap. 2,530,449, Nov. 21.
Bush, Elijah B.: *See*—
Brown, Thomas J., and Bush.
Bush, George L., Flushing, assignor to The Teleregister Corporation, New York, N. Y. Signal storage circuit. 2,534,544, Dec. 19.
Bush, Harold L., North Syracuse, assignor to Crouse-Hinds Company, Syracuse, N. Y. Junction box. 2,529,133, Nov. 7.
Bush, Harry J., Wilmington, Del. Variable and reversible flow pump. 2,493,525, Jan. 3.
Bush, Howard F.: *See*—
Young, Douglass A., Lenehan, and Bush.
Bush, John C., Toledo, Ohio, assignor to The National Supply Company, Pittsburgh, Pa. Microchoke valve. 2,514,025, July 4.
Bush, John H., assignee: *See*—
Turnbull, Robert B.
Bush Manufacturing Company, The, assignee: *See*—
Peterson, Hans P.
Bush, O. K., assignee: *See*—
Phillips, Victor V.
Bush, Robert R.: *See*—
Donal, John S., Jr., Bush, and Cuccia.
Bush, Ruth V.: *See*—
Himmel, Loran B., and Bush.
Bush, William E., Shell Beach, Calif. Calculator. 2,535,119, Dec. 26.
Bushnell, James D.: *See*—
Hertwig, Waldemar R., and Bushnell.
Bushway, George H., North Hampton, N. H., assignor to Electricooker, Inc., Newburyport, Mass. Electrical heat treating mechanism. 2,496,199, Jan. 31.
Busignies, Henri G., Forest Hills, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Signal comparison system. 2,509,207, May 30.
Busignies, Henri G., Forest Hills, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Vehicle communication system. 2,510,066, June 6.
Busignies, Henri G., Forest Hills, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Beacon system. 2,513,282, July 4.
Busignies, Henri G., Forest Hills, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Distance measuring system. 2,517,540, Aug. 8.
Busignies, Henri G., Forest Hills, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Position indicator system. 2,535,038, Dec. 26.
Busignies, Henri G., Forest Hills, and G. R. Clark, Fort Wadsworth, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Direction finder system. 2,509,208, May 30.
Busignies, Henri G., Forest Hills, N. Y., P. R. Adams, Cranford, N. J., and R. I. Colin, Far Rockaway, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Beacon system. 2,510,065, June 6.
Busignies, Henri G., Forest Hills, N. Y., and P. R. Adams, Cranford, N. J., assignors to Federal Telephone and Radio Corporation, New York, N. Y. Radio beacon. 2,524,765, Oct. 10.
Businger, Albert, Basel, Switzerland, assignor to Hoffman-La Roche Inc., Nutley, N. J. 3-methyl-hexen (2)-yne (5) derivatives. 2,529,482, Nov. 14.
Buske, Gilbert E., Anson Township, Chippewa County, assignor to National Pressure Cooker Company, Eau Claire, Wis. Engine construction and cooling method. 2,494,742, Jan. 17.
Buskes, Willem M., Velden, assignor to Chemische Fabriek L. van der Grinten, Vendo, Netherlands. Exposing apparatus for the making of photographs, photoprints, negatives, and the like. 2,510,863, June 6.
Buss, Benjamin A., East Moline, Ill., and H. W. Miller, Davenport, Iowa, assignors to American Machine and Metals, Inc., East Moline, Ill. Bath level and temperature control. 2,520,797, Aug. 29.
Buss, Donald R., Lanark, Ill. Fishhook. 2,513,548, July 4.
Bussard, Emmery J. H., assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Band-pass input circuit. 2,511,327, June 13.
Busse, Curtis T., Randolph, Wis. Apparatus for loading and unloading cans with conveyer mechanism in conjunction with a hydraulic hoist and a crate having false bottoms. 2,506,661, May 9.
Busse, Warren F., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Rendering synthetic rubber tacky. 2,522,776, Sept. 19.
Busse, Warren F. and J. P. Dailey, Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y. Fire extinguishing composition and method. 2,506,062, May 2.
Busse, Warren F., J. M. Lambert, and P. P. Debye, Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y. Composition for producing fire extinguishing foams and method. 2,514,310, July 4.
Busse, Warren F., J. M. Lambert, and P. P. Debye, Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y. Fire extinguishing composition and method. 2,529,211, Nov. 7.
Bussey, Allen C., assignor to Bussey Pen Products Company, Chicago, Ill. Brooder construction. 2,501,433, Mar. 21.
Bussey, Allan C., Chicago, Ill. Pickup tool. 2,503,998, Apr. 11.
Bussey Pen Products Company, assignee: *See*—
Bussey, Allen C.
Bussierès, Henri, assignor to J. Eppler, Paris, France. Telephone system. 2,498,153, Feb. 21.
Bustanoby, André O., Grover, Mo. Magnetic figure toy. 2,519,883, Aug. 22.
Bustanoby, André O., Grover, Mo. Magnetic figure toy. 2,519,884, Aug. 22.
Buswell, Arthur M., Urbana, Ill., assignor to the United States of America as represented by the Secretary of the Navy. Removal of salt from sea water. 2,522,856, Sept. 19.
Butane Motor Fuel Company, assignee: *See*—
Byers, Juan C.
Butch, Adam F., Lawrence County, Pa. Road grading attachment. 2,520,359, Aug. 29.
Butcher, Albert Floyd, Modesto, Calif. Ditch pipe forming machine. 2,520,199, Aug. 29.
Butcosk, Richard A., Jackson Heights, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated. High-temperature ball-bearing grease. 2,495,651, Jan. 24.
Butin, Emile A., Lyon, France. Automatic shuttle changing means for weaving looms. 2,493,570, Jan. 3.
Butler Brothers, assignee: *See*—
Amstutz, Walter R.
Butler, Charles E.: *See*—
Roup, Rolland R., and Butler.
Butler, Clarence A., Jr., Painesville, assignor to Diamond Alkali Company, Cleveland, Ohio. Pipe sealer. 2,500,601, Mar. 14.
Butler, Clifford J. H., Cottonville, South Australia, Australia. Form grinder. 2,512,303, June 20.
Butler, Edgar M., New Orleans, La. Self-energizing electrolytic water correction assembly. 2,524,511, Oct. 3.
Butler, Edmund J., Cordele, Ga., assignor to Maywood Hosiery Mills, Inc. Hosiery inspection device. 2,493,803, Jan. 10.
Butler, Edward W., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Battery holder for electrically operated devices. 2,523,354, Sept. 26.
Butler, Edwin I., Charlotte, N. C., W. N. Madsen, Essex, and K. H. Tidrick, Brooklyn Park, assignors to The Glenn L. Martin Company, Middle River, Md. Tire handling device. 2,521,149, Sept. 5.
Butler, Frank D., U. S. Navy. Variable and reversible rotary fluid power coupling. 2,506,576, May 9.
Butler, Gray L., assignor to Scovill Manufacturing Company, Waterbury, Conn. Dome-shaped lawn sprinkler. 2,519,738, Aug. 22.
Butler, Harold R., Toronto, Ontario, Canada. Production of creped foil. 2,522,857, Sept. 19.
Butler, Henry E., Scotia, N. Y., assignor to General Electric Company, Thermostatic relay. 2,508,991, May 23.
Butler, Henry J., Sutton Coldfield, assignor to Dunlop Rubber Company Limited, London, England. Fluid operated disk brake. 2,497,438, Feb. 14.
Butler, Henry J., Sutton Coldfield, assignor to Dunlop Rubber Company Limited, London, England. Fluid pressure operated master cylinder. 2,499,845, Mar. 7.
Butler, Henry J., Sutton Coldfield, assignor to Dunlop Rubber Company Limited, London County, England. Brake disk. 2,525,648, Oct. 10.

Butler, Jack O.: *See*—
De Witt, John P., and Butler.

Butler, James H., Huntington Park, Calif. Soda straw dispenser and the like. 2,521,447, Sept. 5.

Butler, John M., and C. H. Rector, Jr., Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Plasticized polymers. 2,516,955, Aug. 1.

Butler, Joseph F., Pittsburgh, Pa. Cutting apparatus for wallboards and the like. 2,529,210, Nov. 7.

Butler, Joseph R., Chicago, Ill. Combustion gas recirculating steam and air injector means for furnaces. 2,499,814, Mar. 7.

Butler, Marshall E., Raleigh, N. C. Telephone accessory. 2,503,095, Apr. 4.

Butler, Otis H., Los Angeles, Calif. Commutator tester. 2,516,615, July 25.

Butler, Roy E., San Francisco, Calif. Electrically heated plastics press. 2,521,282, Sept. 5.

Butler, Thomas J., Harrison, N. J. Golf practice apparatus. 2,521,776, Sept. 12.

Butler, William F., and F. A. Cutter, Oakland, assignors to Cutter Laboratories, Berkeley, Calif. Blood filter and drip meter. 2,528,737, Nov. 7.

Butman, Louis S., Merkel, Tex. Automatic steam electric sadiron. 2,506,950, May 9.

Butner, Edgar A., Brooklyn, assignor to Hydropress, Incorporated, New York, N. Y. Die-casting machine. 2,519,739, Aug. 22.

Butt, Charles, Waban, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Shielding arrangement. 2,512,138, June 20.

Butt, Noah A., and W. C. Byrd, Atlanta, Ga. Can opener. 2,522,777, Sept. 19.

Butterbaugh, Darrel J., Abington, assignor to Rohm & Haas Company, Philadelphia, Pa. Preparation of alkoxyisobutyraldoximes. 2,496,198, Jan. 31.

Butterbaugh, Darrel J., Abington, and N. M. Bortnick, assignors to Rohm & Haas Company, Philadelphia, Pa. Preparation of methacrolein oxime. 2,494,859, Jan. 17.

Butterfield, George P., Des Plaines, assignor, by mesne assignments, to Amion, Inc., Chicago, Ill. Dentifrice composition. 2,526,614, Oct. 17.

Butterfield, Harry: *See*—
Ekstedt, John W., Pityo, and Butterfield.
Pityo, Albert F., and Butterfield.

Butterfield, John P.: *See*—
Herreshoff, Alexander G., and Butterfield.

Butterfield, Melvin D., and L. W. Mullins, Wichita, Kans. Axially collapsing type tire bead breaking device. 2,534,950, Dec. 19.

Butterly, Daniel R., New York, N. Y. Photoelectric miniature radio range. 2,492,964, Jan. 3.

Butterworth, Archibald J., Camberley, England. Differential gear for motor vehicles or the like. 2,532,757, Dec. 5.

Buttery, Kenneth T., assignor to Sutherland Paper Company, Kalamazoo, Mich. Lined carton or container. 2,493,337, Jan. 3.

Buttery, Kenneth T., assignor to Sutherland Paper Company, Kalamazoo, Mich. Covered box or container. 2,493,338, Jan. 3.

Buttery, Kenneth T., assignor to Sutherland Paper Company, Kalamazoo, Mich. Double walled box or carton. 2,495,807, Jan. 31.

Buttery, Kenneth T., assignor to Sutherland Paper Company, Kalamazoo, Mich. Covered container. 2,503,798, Apr. 11.

Buttery, Kenneth T., assignor to Sutherland Paper Company, Kalamazoo, Mich. Cellular carton. 2,527,701, Oct. 31.

Buttery, Kenneth T., assignor to Sutherland Paper Company, Kalamazoo, Mich. Cellular carton. 2,527,702, Oct. 31.

Buttery, Kenneth T., and E. Hubbard, assignors to Sutherland Paper Company, Kalamazoo, Mich. Egg carton filling apparatus. 2,507,489, May 16.

Buttino, Albert L., assignor to The Rauland Corporation, Chicago, Ill. Support for electron guns. 2,529,134, Nov. 7.

Buttner, William C., Winnetka, assignor to Bastian-Blessing Company, Chicago, Ill. Gas dispensing. 2,499,354, Mar. 7.

Buttner, William C., Winnetka, assignor to The Bastian-Blessing Company, Chicago, Ill. Vaporizer unit. 2,499,355, Mar. 7.

Buttress, George A., Los Angeles, Calif. Finishing end edges of plasterboard. 2,523,861, Sept. 26.

Buttress & McClellan Inc., assignee: *See*—
McClellan, James E., and MacDonald.

Butts, Alfred M., New York, N. Y. Structural units of gridlike construction providing supports for walls, floors, or the like. 2,534,852, Dec. 19.

Butts, Chester A.: *See*—
Morr, Bert L., Butts and Walters.

Butts, Robert S., Arlington, assignor to Melpar, Inc., Alexandria, Va. Frequency modulator and time division multiplex system. 2,496,148, Jan. 31.

Butzine, Charles J.: *See*—
Baker, Stanley L., and Butzine.

Butzman, Lester E., Sr., Rocky River, Ohio. Clutch and brake mechanism for fishing reels. 2,531,610, Nov. 28.

Buxton, Incorporated, assignee: *See*—
Broughton, Douglas J.
Corey, Donald W.
Harvey, Robert P.

Buxton, James E., Elmira, assignor to Bendix Aviation Corporation, Elmira Heights, N. Y. Semiautomatic engine starter control. 2,528,112, Oct. 31.

Buxton, Loran O., Maplewood, assignor to Nopco Chemical Company, Harrison, N. J. Recovery of the unsaponifiable fractions of fatty materials. 2,508,220, May 16.

Buxton, Loran O., Maplewood, assignor to Nopco Chemical Company, Harrison, N. J. Producing an antioxidant concentrate. 2,515,858, July 18.

Buxton, Loran O., Maplewood, assignor to Nopco Chemical Company, Harrison, N. J. Producing an antioxidant concentrate. 2,515,859, July 18.

Buxton, Loran O., Maplewood, assignor to Nopco Chemical Company, Harrison, N. J. Producing an antioxidant concentrate. 2,515,860, July 18.

Buxton, Loran O., Maplewood, and C. E. Dryden, East Orange, assignors to Nopco Chemical Company, Harrison, N. J. Stabilized oleaginous materials. 2,511,427, June 13.

Buxton, Loran O., Maplewood, and C. E. Dryden, East Orange, assignors to Nopco Chemical Company, Harrison, N. J. Antioxidants. 2,511,428, June 13.

Buye, Stanley M., and F. M. O'Rourke, Elroy, Wis. Dump truck. 2,515,334, July 18.

Buyers, Thomas B.: *See*—
Garner, Philip J., Goldsbrough and Buyers.

Buys, Pieter K., and P. F. van Eldik, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Volume control for sound reproduction systems. 2,517,629, Aug. 8.

Buzzard, Robert B., Charleston, W. Va. Protector shield and album leaf. 2,524,306, Oct. 3.

Buzzo, Thomas M.: *See*—
Corwin, John F., Calhoun, and Buzzo.

Byam, Peter M.: *See*—
Matulaitis, Victor E., and Byam.

Byard, James J., 3rd, assignee: *See*—
Barnes, Jesse W.

Byars, George W., Lexington, N. C. Combination table and desk. 2,509,806, May 30.

Bybee, Coyle E., assignee: *See*—
Collis, Melvin.

Bybee, Sanford M., Detroit, Mich. Rotating disk game. 2,520,235, Aug. 29.

Byck, Jacques, New York, N. Y. Ornamental box. 2,531,968, Nov. 28.

Byerlein, Arthur A., Detroit, Mich., assignor, by mesne assignments, to Lima-Hamilton Corporation, Hamilton, Ohio. Press. 2,514,933, July 11.

Byerlein, Arthur A., Detroit, Mich., assignor, by mesne assignments, to Lima-Hamilton Corporation, Hamilton, Ohio. Press. 2,522,745, Sept. 19.

Byerlein, Arthur A., Detroit, Mich., assignor, by mesne assignments, to Lima-Hamilton Corporation, Hamilton, Ohio. Press. 2,522,746, Sept. 19.

Byerlein, Arthur A., Detroit, Mich., assignor, by mesne assignments, to Lima-Hamilton Corporation, Hamilton, Ohio. Press. 2,522,747, Sept. 19.

Byerly, Oliver M., Chicago, assignor to W. E. Hausheer, Evanston, Ill. Package and producing same. 2,533,554, Dec. 12.

Byers, A. M., Company, assignee: *See*—
Story, Edward B.

Byers, Laud S., Carmel, Calif. Multiple jet blasting charge. 2,513,233, June 27.

Byers, James D., Columbia, Pa. Tool for removing and sealing containers. 2,521,629, Sept. 5.

Byers, Juan C., assignor to Butane Motor Fuel Company, Kansas City, Mo. Apparatus for firing dehydrating plants and for cooling the product. 2,522,342, Sept. 12.

Byers, Laurence W.: *See*—
Berhenke, Luther F., and Byers.
Britton, Edgar C., and Byers.

Byers, Ralph J., assignor to Chicago Mill and Lumber Company, Chicago, Ill. Crate. 2,533,663, Dec. 12.

Byers Machine Company, The, assignee: *See*—
Ferguson, Berlin S.

Byers, Ralph J., assignor to Chicago Mill and Lumber Company, Chicago, Ill. Crate. 2,521,502, Sept. 5.

Byler, William H., and J. W. Wilson, Morris Plains, N. J. Phosphors and X-ray screens prepared therefrom. 2,525,860, Oct. 17.

Bylin, Richard S., San Marino, H. H. Covington, Alhambra, and F. F. Heydenfeldt, assignors to California Fruit Growers Exchange, Los Angeles, Calif. Sample taking device. 2,498,601, Feb. 21.

Bylund, Eric: *See*—
Van Armbruster, Cecil, and Bylund.

Bylund, Eric, Genoa, Ill., assignor, by mesne assignments, to John Oster Manufacturing Company, Racine, Wis. Electric motor bearing. 2,500,978, Mar. 21.

Bynum, Charles G., Boulder, Colo. Adjustable plumb bob. 2,509,959, May 30.

Bynum, Roy H.: *See*—
Preising, William J., and Bynum.

Byram, Frederick C., assignor to Robbins & Myers, Inc., Springfield, Ohio. Helical gear shallow well pump. 2,512,764, June 27.

Byram, Frederick C., assignor to Robbins & Myers, Inc., Springfield, Ohio. Rotary pump. 2,512,765, June 27.

Byram, Frederick C., assignor to Robbins & Myers, Inc., Springfield, Ohio. Filler and deflator device. 2,525,256, Oct. 10.
Byram, Frederick C., assignor to Robbins & Myers, Inc., Springfield, Ohio. Internal helical gear pump. 2,527,673, Oct. 31.
Byram, Frederick C., assignor to Robbins & Myers, Inc., Springfield, Ohio. Pump. 2,532,145, Nov. 28.
Byrd, James W., Miami, Fla. Trailer. 2,506,699, May 9.
Byrd, John D., Fresno, Calif., assignor of one-half to E. K. Hemmila. Wheel mount. 2,502,309, Mar. 28.
Byrd, Walter J., Chatham, N. J., assignor to Johnson & Johnson. Carton. 2,502,417, Apr. 4.
Byrd, William, Jr., Princeton, N. J. Holding device. 2,519,435, Aug. 22.
Byrd, William, Jr., and W. Annis, U. S. Navy. Hydraulic surge damper. 2,495,693, Jan. 31.
Byrd, William C.: *See*— Butt, Noah A., and Byrd.
Byrne, Austin S., Freeport, N. Y. Foot pedal operated shovel toy. 2,523,093, Sept. 19.
Byrnes, James C., Jr., U. S. Navy. Aircraft bomb fuse. 2,529,483, Nov. 14.
Byrnes, John J., Newark, N. J. Smoke pipe cleanout opening. 2,507,885, May 16.
Byrnes, John J., Newark, N. J. Motor mounting plate. 2,510,680, June 6.
Byrns, Alva C., Los Altos, assignor to The Permanente Metals Corporation, Oakland, Calif. Preparation of magnesium nitride. 2,497,583, Feb. 14.
Byrns, Alva C., Los Altos, Calif., assignor to Kaiser Aluminum & Chemical Corporation. Production of methyl acetylene and magnesium alcoholates. 2,510,550, June 6.
Bystrom, Mikeal G.: *See*— Lynch, Henry J., and Bystrom.
C. A. Constant Card, assignee: *See*— Castell, Agustín M.
C. A. V. Limited, assignee: *See*— Bevis, William A., and Waters.
Curzon, Thomas.
Nicolls, Wilfrid E. W.
C & D Batteries, Inc., assignee: *See*— Doughty, Leon A.
C. D. Patents Limited, assignee: *See*— Bennett, John G., Greaves, Phillpotts, Pirani, Kramers, and Foster.
Greaves, Charles D., and Walker.
C-Eight Laboratories, assignee: *See*— Caruso, Mario.
C-O-Two Fire Equipment Co., assignee: *See*— Cahusac, Clarence N.
Cahusac, Clarence N., and Diehl.
C. U. R. A., Patents Limited, assignee: *See*— Bangham, Donald Hugh, Bennett, Mayorcas, Pirani and Thring.
Pirani, Marcello, and Hilliard.
C. & W. Tool Company, assignee: *See*— Weymouth, George J.
Caan, Albert J. Z., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Optical recording apparatus for seismic waves. 2,535,348, Dec. 26.
Cable Electric Products, Inc., assignee: *See*— Grohsgal, Alexis C.
Cabot, Godfrey L., Inc., assignee: *See*— Amon, Fred H., and Thornhill.
Broughton, Donald B.
Stokes, Charles A.
Cabot, Samuel, Inc., assignee: *See*— Hermann, Augustus H.
Cabot Shops, Inc., assignee: *See*— Vail, Robert P.
Cabot, Thomas H., Jr.: *See*— Chapin, Bernard L., Davis, and Cabot.
Cabrera, Edward M., Los Angeles, Calif. Aquarium electrical heater. 2,511,902, June 20.
Cacciotti, Vincent E., Troy, N. Y. Quick detachable battery connector. 2,533,763, Dec. 12.
Caccivio, Gino: *See*— Peretti, Yolanda, and Caccivio.
Caddell, James H., Richmond, Va. Truck attachment. 2,516,364, July 25.
Caddell, James H., Richmond, Va. Oil gauge. 2,522,988, Sept. 19.
Caddy, Sydney C., Haywards Heath, assignor to L. J. Smyth, Thames Ditton, England. Pruner and like cutting tool. 2,523,610, Sept. 26.
Cade, George N., Bartlesville, Okla., assignor to Phillips Petroleum Company. Recovery of boron fluoride. 2,507,499, May 16.
Cade, George N., Bartlesville, Okla., assignor to Phillips Petroleum Company. Conversion of polyalkyl aromatics to monoalkyl aromatics. 2,527,529, Oct. 31.
Cade, John W.: *See*— Horan, Maurice K., and Cade.
Cade, Phillip J., Winchester, assignor to Photoswitch, Incorporated, Cambridge, Mass. Thermal microswitch. 2,520,906, Sept. 5.
Cade, Phillip J., assignor to Photoswitch, Incorporated, Cambridge, Mass. Electronic control apparatus. 2,529,796, Nov. 14.
Cade, William M., assignor to Deere Manufacturing Co., Dubuque, Iowa. Brake pedal lock for vehicles. 2,497,293, Feb. 14.
Cadeaux, Milton C., assignee: *See*— Cadjew, Garner W.
Cadella, Anthony, Bridgeport, Conn. Fruit cutter and juicer. 2,531,026, Nov. 21.
Cadella, Anthony, Fairfield, Conn. Gun type oil burner. 2,496,775, Feb. 7.
Cademartori, Joseph A., assignor to American Steel Foundries, Chicago, Ill. Extrusion press. 2,528,260, Oct. 31.
Cadet Smokestands Company, assignee: *See*— Dick, Marion T.
Cadillac Products, Inc., assignee: *See*— Farrell, James A.
Cadjew, Garner W., assignor of one-half to M. C. Cadeaux, San Francisco, Calif. Advertising sidewalk block. 2,509,558, May 30.
Cadman, Arthur H., Bloomfield, assignor to Breeze Corporations, Inc., Newark, N. J. Sealing and electrical shielding gasket. 2,519,436, Aug. 22.
Cadman, Arthur H., Bloomfield, assignor to Breeze Corporations, Inc., Newark, N. J. Spark plug shield. 2,522,019, Sept. 12.
Cadman, Ira F., assignor to The Union Switch & Signal Company, Swissdale, Pa. Approach lock release in railway signaling systems. 2,532,832, Dec. 5.
Cadman, Norman G., London, England, assignor, by mesne assignments, to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake apparatus. 2,515,946, July 18.
Cadman, Norman G., and B. C. Vigor, London, England, assignors, by mesne assignments, to The Westinghouse Air Brake Company, Wilmerding, Pa. Check valve device. 2,498,482, Feb. 21.
Cadot, Henry M., Greenville, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Thermosetting adhesive composition and laminate. 2,533,994, Dec. 12.
Cadous, Esther, New York, N. Y. Brassière. 2,524,620, Oct. 3.
Cadous, Esther, New York, N. Y. Brassière. 2,524,621, Oct. 3.
Cadrain, Joseph A., New Britain, Conn. Safety clothesline support. 2,523,862, Sept. 26.
Caduff, John G., Cleveland, Ohio. Air-conditioning and heating apparatus. 2,524,160, Oct. 3.
Cadwell, Clarence J., Carpinteria, and F. M. Adamson, Los Angeles, assignors to The Cadwell Corporation, Beverly Hills, Calif. Apparatus for use in association with two picture projector machines. 2,528,855, Nov. 7.
Cadwell Corporation, The, assignee: *See*— Cadwell, Clarence J., and Adamson.
Cady, E. L., Engineering Company, The, assignee: *See*— Cady, Ernest L.
Cady, Ernest L., deceased, West Hartford, Conn.; A. S. Welter, Staten Island, N. Y., executor of said E. L. Cady, assignor to The E. L. Cady Engineering Company, West Hartford, Conn. Doffer roll for carding machines. 2,523,751, Sept. 26.
Cady, George H., Leonia, N. J., assignor to the United States of America as represented by the United States Atomic Energy Commission. Catalysts for fluorination. 2,510,864, June 6.
Cady, John E., and F. A. Mulbarger, Indianapolis, Ind., assignors to United States Rubber Company, New York, N. Y. Inner tube. 2,535,120, Dec. 26.
Cady, Willoughby M., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Antenna. 2,512,139, June 20.
Caesar, George V., Staten Island, N. Y., J. V. Bauer, Elmwood Park, and D. M. Hawley, Geneva, Ill, assignors to Stein, Hall & Company, Inc., New York, N. Y. Multiweb bonded paper products. 2,496,440, Feb. 7.
Caesar, Philip D.: *See*— Sachanen, Alexander N., and Caesar.
Caesar, Philip D., Champaign, Ill., assignor to Socony-Vacuum Oil Company, Incorporated. Dyeing with 3,4-thiolanedithione. 2,515,922, July 18.
Caesar, Philip D., Wenonah, G. C. Johnson, Woodbury, and J. W. Brooks, Wenonah, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Fluoroboric alkylation of thiophene. 2,527,794, Oct. 31.
Caesar, Philip D., Wenonah, and A. N. Sachanen, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Heterocyclicthiol resins. 2,533,764, Dec. 12.
Caffrey, Charles S.: *See*— Tollison, Paul L., and Caffrey.
Caffrey, Howard E., Tucson, Ariz. Vehicle license plate with renewable tab. 2,535,265, Dec. 26.
Cafiero, Michael J., Rockville Centre, N. Y. Plaster guard. 2,497,928, Feb. 21.
Cafiero, Michael J., Rockville Centre, N. Y. Combination connector. 2,499,985, Mar. 7.
Cage, John M., Elm Grove, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Voltage regulating system. 2,506,266, May 2.
Cage, John M., Elm Grove, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Regulating system utilizing voltage responsive thyratrons. 2,516,298, July 25.
Cagle, George A., Mineola, Tex. Combination hand tool. 2,501,757, Mar. 28.

Cahen, Roger R., assignor to "La Radio Industrie S. A.," Paris, France. Photoelectric device. 2,527,913, Oct. 31.

Cahenzli, Martin T., Jr., assignor to The Harry Alter Company, Chicago, Ill. Coupler. 2,496,149, Jan. 31.

Cahenzli, Martin T., Jr., assignor to The Harry Alter Company, Chicago, Ill. Coiling tubing. 2,525,093, Oct. 10.

Cahenzli, Martin T., Jr., assignor to The Harry Alter Company, Chicago, Ill. Strainer for coffee makers and making same. 2,532,146, Nov. 28.

Cahenzli, Martin T., Jr., Chicago, Ill., and G. Muffly, Springfield, Ohio, assignors to The Harry Alter Company, Chicago, Ill. Combination accumulator, heat exchanger, and metering device for refrigerating systems. 2,530,648, Nov. 21.

Cahill, Gerald, Vero Beach, Fla. Juice extraction apparatus and method. 2,533,350, Dec. 12.

Cahill, John L., Dayton, Ohio. Open bottom deposit and collection receptacle. 2,532,289, Dec. 5.

Cahill, Lysle D., Shaker Heights, assignor by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Oil pressure regulator. 2,496,577, Feb. 7.

Cahill, Lysle D., Shaker Heights, assignor, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Compass slaving circuit. 2,524,512, Oct. 3.

Cahill, Lysle D., South Euclid, W. T. Buhl, and A. S. Horwitz, Shaker Heights, assignors to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Servomotor for aircraft controls. 2,520,115, Aug. 29.

Cahill, Sidney J., Brooklyn, N. Y. Rectal bandage. 2,512,713, June 27.

Cahill, William H., Oakland, assignor to A. G. Tassano, Stockton, Calif. Single-wheel steering mechanism. 2,510,798, June 6.

Cahn, Frank J., Huntington Park, assignor to Louis Milani Foods, Inc., Maywood, Calif. Sodium-free flavoring compositions. 2,500,919, Mar. 21.

Cahn, John P., San Francisco, Calif. Illusory staircase. 2,513,914, July 4.

Cahn, Julius H., Berkeley, Calif. Spring microbalance. 2,525,587, Oct. 10.

Cahn, Moritz, Marshfield, Wis. Vulcanizing tool. 2,510,772, June 6.

Cahners, Norman L., Brewer, Maine, assignor to Materials Handling Laboratories, Inc., Boston, Mass. Portable platform. 2,503,240, Apr. 11.

Cahnmann, Hans J., New York, N. Y., and R. Daniels, Boston, Mass., assignors to William R. Warner & Co., Inc., New York, N. Y. Epoxides and preparing same. 2,501,026, Mar. 21.

Cahoon, Nelson C., Lakewood, Ohio, assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Primary galvanic cell. 2,534,336, Dec. 19.

Cahour, Pierre and A. J. Velte, Paris, France, assignors to Compagnie Generale De Telegraphie Sans Fil. Indirectly heated cathode for valves operating on decimetric waves. 2,518,121, Aug. 8.

Cahusac, Clarence N., assignor to C-O-Two Fire Equipment Co., Newark, N. J. Automatic remotely controlled fire extinguisher. 2,519,350, Aug. 22.

Cahusac, Clarence N., Newark, and D. A. Diehl, Arlington, assignors to C-O-Two Fire Equipment Co., Newark, N. J. Photoelectric convection smoke detector. 2,513,283, July 4.

Cain, Eldon: *See*—
Gracey, Dale, and Cain.

Cain, Elmer B., Collingswood, N. J., assignor to Radio Corporation of America. Interlock. 2,497,487, Feb. 14.

Cain, Elmer B., Collingswood, N. J., assignor to Radio Corporation of America. Escutcheon and escutcheon fastening means. 2,531,670, Nov. 28.

Cain, Hubert C., Alexandria, Va., dedicated to the free use of the People in the Territory of the United States. Mechanical resector. 2,495,694, Jan. 31.

Cain, Irwin R.: *See*—
Cain, Zora M. and I. R.

Cain, John R., South Strafford, Vt., assignor to Sulphide Ore Process Company, Inc., New York, N. Y. Making electrolytic iron. 2,503,234, Apr. 11.

Cain, John R., South Strafford, Vt., assignor to Sulphide Ore Process Company, Inc., New York, N. Y. Electrodeposition of iron. 2,503,235, Apr. 11.

Cain, Paul A., San Angelo, Tex. Compact cabinet and table. 2,527,056, Oct. 24.

Cain, Robert M., assignor to Wilcox-Gay Corporation, Charlotte, Mich. Phonograph-shock and vibration absorbing support. 2,520,757, Aug. 29.

Cain, Rupert S., Spartanburg, S. C. Plant grower brick. 2,513,711, July 4.

Cain, Zora M., and I. R. Cain, Altadena, Calif. Nursing bottle holder. 2,518,862, Aug. 15.

Caine, Gerard H., Hamilton, Ohio, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Differential transformer control device. 2,507,763, May 16.

Caine Steel Company, assignee: *See*—
Beltman, George C.

Cairns, Frederick E., Jr., assignor to General Controls Co., Glendale, Calif. Antivibration plunger type electromagnet. 2,493,386, Jan. 3.

Cairns, Robert E., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Polyvinyl acetal compositions. 2,528,338, Oct. 31.

Cairns, Robert W., assignor to Hercules Powder Company, Wilmington, Del. Blasting cap. 2,517,763, Aug. 8.

Cairns, Robert W., and R. W. Lawrence, assignors to Hercules Powder Company, Wilmington, Del. Blasting initiator. 2,525,397, Oct. 10.

Cairns, Theodore L., Newark, Del., A. W. Larchar, Mendenhall, Pa., and B. C. McKusick, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. High-pressure synthesis of s-triazines. 2,503,999, Apr. 11.

Cal Grove Products Co., assignee: *See*—
Erickson, Harry E.

Calabogie Floors Limited, assignee: *See*—
Stewart, Daniel W., Jr., Mitchell, and Matthews.

Calabrese, George V., assignor to Lumenite Electronic Company, Chicago, Ill. Freezing temperature control. 2,506,775, May 9.

Calabrese, Tindaro A., Woodside, N. Y. Sharpening device for scissors. 2,528,943, Nov. 7.

Calabro, Anthony, assignor of one-third to J. Adamo, Brooklyn, N. Y. Veneer clamp. 2,525,204, Oct. 10.

Calbick, Chester J., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Space current device employing mutually bombarded electrodes. 2,509,053, May 23.

Calcium Carbonate Company, assignee: *See*—
McHan, Brack B.

Calcutt, Reginald B.: *See*—
Steiner, Helen, and Calcutt.

Calcutt, Reginald B., and H. Steiner, Chicago, Ill. Tire and mounting the same. 2,500,342, Mar. 14.

Calder, William G.: *See*—
Jewell, Howard W., Calder, and Stringfield.

Caldwell, Alexander M. U.: *See*—
Lowe, Arthur J., and Caldwell.

Caldwell, Arthur W., assignee: *See*—
Zicovich, Anthony G.

Caldwell, Clyde L., Long Beach, Calif., assignor to Houdry Process Corporation, Wilmington, Del. Processes employing fluent solids. 2,514,371, July 11.

Caldwell, Emery V., and M. Marshall, Flint, Mich. Animal trap. 2,510,168, June 6.

Caldwell, Ferris H., Canton, N. Y. Safety snap for fishing tackle. 2,523,679, Sept. 26.

Caldwell, Hamilton P., Jr., and J. W. Payne, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Method and apparatus for regeneration of finely divided adsorbents. 2,506,542, May 2.

Caldwell, Harry F., assignor to Oliver Machinery Company, Grand Rapids, Mich. Labeling machine. 2,528,856, Nov. 7.

Caldwell, John A., Philadelphia, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Recording instrument. 2,525,094, Oct. 10.

Caldwell, John A., Philadelphia, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Potentiometer instrument. 2,526,196, Oct. 17.

Caldwell, John R., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Textile yarns impregnated with lubricating compositions. 2,496,776, Feb. 7.

Caldwell, John R., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Linear polyesters of hydroquinone, saturated glycols and dicarboxylic acids and their preparation. 2,496,933, Feb. 7.

Caldwell, John R., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Copolymers of acrylonitrile and isopropenyl acetate. 2,514,624, July 11.

Caldwell, John R., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Preparation of β-lactones in the presence of difluorophosphate catalysts. 2,518,662, Aug. 15.

Caldwell, John R., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Preparing aceto acetic acid esters of cellulose. 2,521,897, Sept. 12.

Caldwell, John R., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Polymers of acrylonitrile with isobutenyl acetate. 2,521,898, Sept. 12.

Caldwell, John R., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Copolymers of acrylonitrile and 2-methallyl alcohol. 2,525,521, Oct. 10.

Caldwell, John R., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Copolymers of acrylonitrile and N-allyl and N-2-methallyl cyanides. 2,529,911, Nov. 14.

Caldwell, John R., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Ternary interpolymers comprising acrylonitrile and N-substituted maleamic acids. 2,533,204, Dec. 12.

Caldwell, John R., Hampton, Ga., and G. N. Lemmon, Homewood, Ala., assignors to Southern States Equipment Corporation. Electric switch. 2,521,826, Sept. 12.

Caldwell, John T., Sudbury, Wembley, assignor to The General Electric Company, Limited, London, England. X-ray apparatus. 2,513,915, July 4.

Caldwell, Leo W., deceased, Los Angeles, Calif.; M. Caldwell, administratrix of said L. W. Caldwell. Egg cleaner. 2,513,449, July 4.
Caldwell, Margaret, administratrix: *See*—
Caldwell, Leo W.
Caldwell, Roy, Clearfield, Pa. Marking gauge. 2,531,803, Nov. 28.
Caldwell, Walter A.: *See*—
Thomson, Robin H. K., and Caldwell.
Caldwell, Walter A., West Kilbride, and J. Jack, Stevenston, Scotland, assignors to Imperial Chemical Industries Limited. Production of insolubilized filamentary products by the wet spinning of protein solutions. 2,495,566, Jan. 24.
Caldwell, Walter T., assignor, by mesne assignments, to Valve Engineering Company, Enid, Okla. Valve and operating mechanism therefor. 2,503,469, Apr. 11.
Caldwell, William A., Leesburg, Tex. Automatic pressure and temperature equilibrator for pneumatic tires. 2,512,766, June 27.
Caldwell, William E., Jr., Trenton, N. J., assignor to St. Regis Paper Company, New York, N. Y. Refrigerator breaker frame. 2,504,390, Apr. 18.
Caldwell, William I., assignor to Taylor Instrument Companies, Rochester, N. Y. Bourdon spring and load element. 2,495,314, Jan. 24.
Caldwell, William I., assignor to Taylor Instrument Companies, Rochester, N. Y. Control system with automatic response adjustment. 2,517,081, Aug. 1.
Caler, Rollin C., Tulsa, Okla. Airplane toy. 2,510,169, June 6.
Calfee, John D.: *See*—
Smith, Lee B., and Calfee.
Young, David W., and Calfee.
Calfee, John D., Manhasset, and P. A. Florio, Woodside, assignors to Allied Chemical & Dye Corporation, New York, N. Y. Photochemical manufacture of 1,1,1-difluorochloroethane. 2,499,129, Feb. 28.
Calfee, John D., Manhasset, N. Y., and L. B. Smith, Woodbridge, N. J., assignors to Allied Chemical & Dye Corporation. Photochemical manufacture of 1,1,1-difluorochloroethane. 2,499,629, Mar. 7.
Calfee, John D., Manhasset, and F. H. Bratton, Floral Park, N. Y., assignors to Allied Chemical & Dye Corporation. Recovery of ethylidene fluoride from gas mixtures containing same. 2,508,221, May 16.
Calfee, John D., Manhasset, and C. B. Miller, St. Albans, assignors to Allied Chemical & Dye Corporation, New York, N. Y. Manufacture of halogenated hydrocarbon oils. 2,518,122, Aug. 8.
Calfee, John D., Manhasset, N. Y., and R. M. Thomas, Baton Rouge, La., assignors to Standard Oil Development Company. Polymerization of olefins in fluorinated diluent. 2,534,698, Dec. 19.
Calgary, Steven L., New York, N. Y. Paper trimming device. 2,527,620, Oct. 31.
Calhoun, John A., Swarthmore, Pa., assignor to American Viscose Corporation, Wilmington, Del. Manufacture of cellulose articles from viscose. 2,514,471, July 11.
Calhoun, John R.: *See*—
Corwin, John F., Calhoun, and Buzzo.
Calhoun, Leslie D., Webster Groves, assignor to Fulton Iron Works Company, St. Louis, Mo. Oil-gas Diesel engine. 2,509,960, May 30.
Calhoun, Norman C.: *See*—
Derbenwick, Frank, Ryan, and Calhoun.
Calhoun, William N., assignee: *See*—
Fletcher, Lawrence D.
Calico Printers' Association Limited, The, assignee: *See*—
Lantz, Louis A., Schofield, and Spinner.
California Container Corporation, assignee: *See*—
Nugent, Eugene J.
California Fruit Growers Exchange, assignee: *See*—
Bylin, Richard S., Covington, and Heydenfeldt.
Hull, Robert R.
California and Hawaiian Sugar Refining Corporation, Ltd., assignee: *See*—
Ashe, John E.
California Machinery and Supply Co. Ltd., assignee: *See*—
Young, Garth L. and Ostling.
California Packing Corporation, assignee: *See*—
Cerruti, Richard C.
Dunn, Guy A.
Kroner, Albert J.
California Research Corporation, assignee: *See*—
Ausman, Milton A., Davis, and Hundere.
Barusch, Maurice R., Langlois, and Schramm.
Batchelder, Augustus H.
Bauer, Lewis F.
Borsoff, Victor N., and Clayton.
Brooke, Lloyd F., Elwell, and Meier.
Brooke, Lloyd F., Langlois, and Stickland.
Clausen, Theodore I., and Rutherford.
Clayton, James O., and Alderson.
Clayton, James O., and Etzler.
Condit, Paul C.
Cope, John Q., and Scott.
Cornell, James E., and Hanson.
Dauphiné, Thonet C.
Davis, Vincent C.
Denison, George H., Jr., and Condit.
Denison, George H., Jr., Furby, and Bolt.
California Research Corporation, assignee: *See*—Continued.
Denison, George H., Jr., and Hanson.
Dimpfl, Ludwig H.
Dressler, Russell G.
Elwell, William E.
Farrington, Bruce B., and Leyda.
Harris, Verro A.
Herrick, Henry N., and Schaufelberger.
Hetzner, Howard P., and Miller.
Kemp, Jacob D.
Levine, Irving E.
Mertens, Edward W. and Stevens.
Miller, Robert J.
Moody, Clark J.
Shaw, Charles M.
Smith, Vaughn R., and Schmitz.
Smith, Vaughan R., and Stevens.
Stewart, William T.
Toland, William G., Jr.
California Spray-Chemical Corporation, assignee: *See*—
Harris, Leonard W.
Harris, Leonard W., Sanders, and Hansen.
Calim, Edward J., Dayton, Ohio. Prop for clotheslines. 2,500,060, Mar. 7.
Calingaert, George, Detroit, Mich., assignor to Ethyl Corporation, New York, N. Y. Antiknock mixtures. 2,496,983, Feb. 7.
Calingaert, George, and H. Shapiro, Detroit, Mich., assignors to Ethyl Corporation, New York, N. Y. Manufacture of alkyllead compounds. 2,535,190, Dec. 26.
Calingaert, George, and H. Shapiro, Detroit, Mich., assignors to Ethyl Corporation, New York, N. Y. Manufacture of alkyllead compounds. 2,535,191, Dec. 26.
Calingaert, George, and H. Shapiro, Detroit, Mich., assignors to Ethyl Corporation, New York, N. Y. Manufacture of alkyllead compounds. 2,535,192, Dec. 26.
Calingaert, George, and H. Shapiro, Detroit, Mich., assignors to Ethyl Corporation, New York, N. Y. Making hydrocarbon-lead compounds. 2,535,193, Dec. 26.
Calkins, Art H., Spokane, Wash. Corn shredder having stationary blades. 2,521,115, Sept. 5.
Calkins, Arthur S., Barrington, Ill. Knife sharpener. 2,513,841, July 4.
Calkins, Austin E., Westfield, N. J., R. Darley, Glen Burnie, and A. Beerbower, Baltimore, Md., assignors to Standard Oil Development Company. Manufacturing an aluminum base grease. 2,514,311, July 4.
Calkins, Claude C., assignor to Calkins Manufacturing Company, Spokane, Wash. Rotary rod weeder. 2,506,577, May 9.
Calkins, Claude C., assignor to Calkins Manufacturing Company, Spokane, Wash. Rod weeder bearing shoe. 2,514,442, July 11.
Calkins Manufacturing Company, assignee: *See*—
Calkins, Claude C.
Calkins, William G., Detroit, and E. W. Upham, Birmingham, assignors to Chrysler Corporation, Highland Park, Mich. Fuel burner flame plate. 2,528,738, Nov. 7.
Call, George R., Sioux City, Iowa. Combination conventional and ball point tooth comb. 2,519,740, Aug. 22.
Call, Reuel T., Afton, Wyo. Aircraft ski. 2,514,470, July 11.
Callaghan, James M., Chicago, Ill. Sink top construction. 2,506,541, May 2.
Callaghan, John D., Merchantville, N. J., assignor to Radio Corporation of America. High-frequency antenna system. 2,510,010, May 30.
Callahan, Charles J., Chicago, Ill. Nonsticking backpressure valve. 2,514,838, July 11.
Callahan, Horace D., Hobart, Ind. Snowplow. 2,530,856, Nov. 21.
Callahan, John T., La Feria, Tex., and J. D. Lahmeyer, assignors to Industrial Nucleonic Devices, Tulsa, Okla. Geophysical prospecting. 2,526,326, Oct. 17.
Callahan, Lester, assignee: *See*—
Natland, Manley L.
Natland, Manley L., and Taylor.
Taylor, Howard A.
Callan, Joseph M., Jackson Heights, assignor to Magnetic Analysis Corporation, Long Island City, N. Y. Distortion analysis. 2,511,564, June 13.
Callander, James, Chatham, N. J. Distributor of internal-combustion engines. 2,510,067, June 6.
Callaway, Cleatus S., and C. C. Light, Frederick, Okla. Ticket gluer. 2,499,017, Feb. 28.
Callaway Mills Company, assignee: *See*—
Miller, Eugene D.
Parker, Samuel P.
Perkerson, Fred S.
Callear, Thomas E.: *See*—
Sun, Kuan-Han, and Callear.
Callejo, Modesto, New York, N. Y. Vacuum breaker valve. 2,512,478, June 20.
Callejo, Modesto, New York, N. Y. Backflow preventer. 2,512,479, June 20.
Callendar, Guy S.: *See*—
Hartley, Arthur C., Brown, Callendar, Fehling, Fox, Gill, Moore, Rosin, and Williamson.
Callender, Edwin M., Cynwyd, assignor to The Budd Company, Philadelphia, Pa. Temperature control of power for heated enclosures. 2,519,109, Aug. 15.

Callender, Edwin M., Cynwyd, and H. D. Van Sciver II, Merion, assignors to The Budd Company, Philadelphia, Pa. Weld control circuit with inductive voltage elimination. 2,508,330, May 16.

Callender, William H., and G. S. Cesena, San Diego, Calif. Automatic brake releasing apparatus. 2,532,357, Dec. 5.

Callesella, Ettore, Geneva, Switzerland. Razor for dry shaving. 2,515,549, July 18.

Calleton, Edward J.: *See*—
Young, Clarence B. F., and Calleton.

Callis, Conral C., Manheim, assignor to Armstrong Cork Company, Lancaster, Pa. Cementitious binder. 2,502,418, Apr. 4.

Callister, Thomas E.: *See*—
McLeod, Roderick C., Callister, Watson, and Bone.

Calmon, Calvin, U. S. Army, assignor to The Permutit Company, New York, N. Y. Alumino silicate cation exchangers. 2,512,053, June 20.

Calmy, Ralph, Los Angeles, Calif. Fire screen. 2,512,480, June 20.

Calnetian Blinds, Incorporated, assignee: *See*—
Walker, Charles D.

Calone, Alfred: *See*—
Adelsohn, Norman, and Calone.

Caloric Stove Corporation, assignee: *See*—
Klein, Gustav.

Calpat Corporation, assignee: *See*—
Foster, Nina L.

Calresin Corporation, assignee: *See*—
Lockwood, William C.

Calumet and Hecla Consolidated Copper Company, assignee: *See*—
Hill, Walter P.

Calumet Steel Castings Corporation, assignee: *See*—
Zikmund, Bohumil A.

Calvani, Demo R., Hazleton, Pa. Drapery holder and pleater. 2,524,958, Oct. 10.

Calver, Cyril M. G., Bushey, England. Vibrating table. 2,512,304, June 20.

Calvert, Francis E., assignor to The Drackett Company, Cincinnati, Ohio. Preparing protein from vegetable sources. 2,534,226, Dec. 19.

Calvert, Francis E., assignor to The Drackett Company, Cincinnati, Ohio. Preparing protein from vegetable sources. 2,534,227, Dec. 19.

Calvert, Francis E., assignor to The Drackett Company, Cincinnati, Ohio. Producing substantially colorless proteins from oleaginous seed material. 2,534,228, Dec. 19.

Calvert, George V., Tulsa, Okla. Deep recess shelf. 2,517,284, Aug. 1.

Calvert, Glen M., Washington, Mich. Knife sharpening machine. 2,519,351, Aug. 22.

Calvin, Melvin, assignor to The Regents of the University of California, Berkeley, Calif. Cobalt bis-(3-fluorosalicylaldehyde)-ethylenediimine and making same. 2,493,654, Jan. 3.

Calvin, Melvin, and W. M. Latimer, assignors to The Regents of the University of California, Berkeley, Calif. Cobalt salicylaldehydeethylenediimine and production. 2,508,490, May 23.

Calvin, Melvin, and P. E. Yankwich, Berkeley, Calif., assignors to the United States of America as represented by the United States Atomic Energy Commission. Chemical method for concentrating isotopes of carbon. 2,511,667, June 13.

Cambridge Rubber Company, The, assignee: *See*—
Earl, Paul D.

Cambridge Thermionic Corporation, assignee: *See*—
Franklin, Constance W.

Camden, Charles C., Jr., and W. O. Camden, Salem, Va. Heating jacket for auto drain valves. 2,518,863, Aug. 15.

Camden, William O.: *See*—
Camden, Charles C., Jr., and W. O.

Cameron, Allan M., and S. R. Johnson, River Forest, Ill., assignors to Continental Can Company, Inc., New York, N. Y. Method of and apparatus for soldering the side seams of can bodies. 2,535,836, Dec. 26.

Cameron, Carl F., Marcellus, Mich. Combined spectacle and utility case. 2,529,000, Nov. 7.

Cameron, Daniel D., San Francisco, Calif. Newspaper vending machine. 2,501,434, Mar. 21.

Cameron, Emmet G., Verona, H. A. Keiper, Elizabeth, A. D. Mitschke, Belleville, L. B. Burlingame, Cranford, N. J., and R. W. Ferguson, Bristol, Pa., assignors to Federal Telephone and Radio Corporation, New York, N. Y. Electroforming apparatus. 2,521,687, Sept. 12.

Cameron, George W.: *See*—
Beard, Theodore H., and Cameron.

Cameron, Glen H., Mattoon, Ill. Automatic heat control sprinkler head. 2,523,355, Sept. 26.

Cameron, Gordon K.: *See*—
Bronk, Fay E., and Cameron.

Cameron Iron Works, assignee: *See*—
Abercrombie, James S.
Allen, Herbert.
Allen, Herbert, and Works.
Fermier, George F.
Murray, Lynne.
Works, Madden T.
Works, Madden T., and Jones.

Cameron, John A., Detroit, Mich. Foldable self-adjusting reclining chair. 2,521,283, Sept. 5.

Cameron, Leroy F., and R. Perry, Pawtucket, R. I. Illuminated electric drill and the like. 2,525,588, Oct. 10.

Cameron Machine Company, assignee: *See*—
Scheuermann, Joseph S., and Carter.

Cameron, Wm., & Co., assignee: *See*—
Smith, Oscar B., Jr.

Camerota, Louis A., Burlington, assignor to Florence Pipe Foundry & Machine Company, Florence, N. J. Multiplaten press. 2,494,162, Jan. 10.

Camerota, Louis A., Burlington, assignor to Florence Pipe Foundry & Machine Company, Florence, N. J. Pipe testing machine. 2,522,927, Sept. 19.

Camfield, Earthen H., Florence, Colo. Exhaust turbine and pump. 2,498,910, Feb. 28.

Camfield Manufacturing Company, assignee: *See*—
Robinson, Claude L., and Lillyblad.

Camilli, Guglielmo, Pittsfield, Mass., assignor to General Electric Company. Electric induction meter system. 2,504,647, Apr. 18.

Camilli, Guglielmo, Pittsfield, Mass., assignor to General Electric Company. Electric induction apparatus. 2,529,135, Nov. 7.

Camilli, Guglielmo, Pittsfield, Mass., assignor to General Electric Company. Three-phase bimetal thermal relay. 2,534,103, Dec. 12.

Camin, Etienne L. A., and H. Kenmore, assignors, by mesne assignments, to Kenmore Metals Corporation, New York, N. Y. Electroplating apparatus. 2,495,695, Jan. 31.

Caminez, Harold: *See*—
Hoffman, Samuel K., and Caminez.

Caminez, Hazel, executrix: *See*—
Hoffman, Samuel K., and Caminez.

Camp, Elza Q., Goose Creek, Tex., assignor to Standard Oil Development Company. Suppression of corrosion. 2,522,430, Sept. 12.

Camp, Leon W., Glendale, Calif., assignor, by mesne assignments, to The Pennsylvania Research Corporation. Magnetostriction transducer. 2,530,224, Nov. 14.

Camp, Thomas P., Arlington Heights, assignor to United States Gypsum Company, Chicago, Ill. Water-resistant gypsum products and making. 2,526,537, Oct. 17.

Camp, Thomas P., Arlington Heights, assignor to United States Gypsum Company, Chicago, Ill. Water-resistant gypsum products and making. 2,526,538, Oct. 17.

Camp, Thomas P., Arlington Heights, and C. N. Kolmodin, assignors to United States Gypsum Company, Chicago, Ill. Laminated structure and adhesive therefor. 2,518,281, Aug. 8.

Camp, William M., Glen Ridge, N. J., assignor, by mesne assignments, to The Clark Thread Company, Inc. Slider fastener stringer. 2,525,284, Oct. 10.

Camp, William M., Glen Ridge, N. J., assignor to The Clark Thread Company, Inc. Stocking and sewing same. 2,531,839, Nov. 28.

Campagna, Ross J., Omaha, Nebr. Stand. 2,504,800, Apr. 18.

Campaigne, Ernest E., and W. M. Le Suer, Bloomington, assignors to Indiana University Foundation, Monroe County, Ind. 3-thienylacetic acid. 2,513,140, June 27.

Campanella, Joseph, Chicago, Ill. Pivoted hair curling clip. 2,517,971, Aug. 8.

Campanelli, Anthony M., New York, N. Y. Cam actuated clamp. 2,530,225, Nov. 14.

Campani, Louis M.: *See*—
De Giers, Clarence A.

Campani, Louis M., Freeport, assignor to The Liquidometer Corporation, Long Island City, N. Y. Plural scale telemetering indicating system. 2,533,091, Dec. 5.

Campbell, Albert B., Chicago, Ill., assignor to Campbell Products Co. Lather producing machine. 2,495,441, Jan. 24.

Campbell, Barbara K.: *See*—
Campbell, Kenneth N. and B. K.

Campbell, Carl E., New York, N. Y. Thread-chaser gauge. 2,523,277, Sept. 26.

Campbell, Charles H., Kent, Ohio. Refining of reclaimed rubber. 2,524,375, Oct. 3.

Campbell, Charles H., Bedford, and D. S. Ferito, Cleveland, Ohio, and C. W. Stoker, Vandergrift, Pa., assignors of one-half to The American Steel and Wire Company of New Jersey and one-half to Carnegie-Illinois Steel Corporation. Treating silicon steel. 2,529,373, Nov. 7.

Campbell, Clair E., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Apparatus for manufacture of precision glass tubing. 2,531,394, Nov. 28.

Campbell, Colin J., East Orange, assignor of one-half to H. T. Tudor, Bloomfield, N. J. Automatic lighter. 2,512,767, June 27.

Campbell, Dick A., Tama, Iowa. Front-wheel mudguard attachment for tractors. 2,530,857, Nov. 21.

Campbell, Donald A., assignor, by mesne assignments, to Affiliated Gas Equipment, Inc., Cleveland, Ohio. Flow mixer. 2,493,387, Jan. 3.

Campbell, Donald A., and R. M. Buck, assignors, by mesne assignments, to Affiliated Gas Equipment, Inc., Cleveland, Ohio. Entrainment device. 2,524,559, Oct. 3.

Campbell, Donald J., and E. F. Lefson, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of peroxide solutions. 2,497,810, Feb. 14.

Campbell, Donald L., Short Hills, and J. M. Graham, Plainfield, N. J., assignors to Standard Oil Development Company. Controlling the temperature in a fluidized catalyst regeneration process. 2,493,526, Jan. 3.
Campbell, Dudley H., Wakefield, and W. J. Larkin, Lynnfield, assignors to National Company, Inc., Malden, Mass. Radio apparatus. 2,510,681, June 6.
Campbell, Earl M., Detroit Lakes, Minn. Automobile supporting rack for firearms and the like. 2,535,564, Dec. 26.
Campbell, Edward D., assignee: *See*— Wick, Harry J., and Fry.
Campbell, Eldon E., assignor of one-half to J. Cikanek, Chicago, Ill. Radio-phonograph combination. 2,502,126. Mar. 28.
Campbell, Erwin A.: *See*— Woolslayer, Homer J., Campbell, and Jenkins.
Campbell, Erwin A., Wexford, assignor to Lee C. Moore Corporation, Pittsburgh, Pa. Jacking structure for towers. 2,530,807, Nov. 21.
Campbell, Frank G., assignee: *See*— Noyes, Edwin A.
Campbell, George D.: *See*— Halbach, Howard L., Campbell, and Koupal.
Campbell, Harris S., Bryn Athyn, Pa., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Aircraft rotor damping device. 2,494,985, Jan. 17.
Campbell, Harry H., Kalispell, Mont. Mobile support for casket lowering equipment. 2,499,458, Mar. 7.
Campbell, Jacob A., Arden, Del. Combined grass and leaf rake. 2,506,993, May 9.
Campbell, James A., Wilmette, Ill., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Safety control apparatus. 2,498,483, Feb. 21.
Campbell, James J.: *See*— Georgiev, Alexander M., and Campbell.
Campbell, James T., Detroit, Mich. Photographic printing frame. 2,494,282, Jan. 10.
Campbell, James W., Rockville Center, N. Y. Baffled time delay mercury switch. 2,527,298, Oct. 24.
Campbell, John B., Detroit, Mich. Rivet. 2,525,117, Oct. 10.
Campbell, John F., Euclid, Ohio. Fuel injection apparatus and control. 2,530,507, Nov. 21.
Campbell, John F., Cuyahoga Falls, and H. E. Riggs, assignors to Wingfoot Corporation, Akron, Ohio. Stringing springs and the like. 2,494,227, Jan. 10.
Campbell, John H., Mentor Headlands, Ohio, assignor to General Electric Company. Circuits for high-frequency operation of fluorescent lamps. 2,497,534, Feb. 14.
Campbell, John M., Cleveland, Ohio, assignor to J. M. Campbell and P. J. Haber, as trustee. Baffle type muffler with refractory lining. 2,523,260, Sept. 26.
Campbell, John M., Fairmont, W. Va., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Exhaust valve with leak detector. 2,533,712, Dec. 12.
Campbell, Julian A., Long Beach, Calif. Gas and liquid separator. 2,511,967, June 20.
Campbell, Julian A., Long Beach, Calif. Curb indicator switch for vehicles. 2,520,305, Aug. 29.
Campbell, Kenneth M., Portage Township, St. Joseph County, Ind., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. 4-methyl-8-(dialkyl aminoalkylamino) quinolines and their production. 2,508,937, May 23.
Campbell, Kenneth N., and B. K., South Bend, Ind. Preparing xanthine and methylated xanthines. 2,523,496. Sept. 26.
Campbell, Lester, assignor to Foster Machine Company, Westfield, Mass. Yarn moistening and winding apparatus. 2,526,848, Oct. 24.
Campbell, Lester, assignor to Foster Machine Company, Westfield, Mass. Yarn moistening and winding apparatus. 2,526,849, Oct. 24.
Campbell, Liss O. J.: *See*— Hällqvist, Bror K., and Campbell.
Campbell, Lyman L.: *See*— Hodson, George F., and Campbell.
Campbell, Maurice M., and H. Krasne, Los Angeles, Calif. Brake anchor pin. 2,519,952, Aug. 22.
Campbell, Milton H.: *See*— Hughes, Everett C., and Campbell.
Campbell, Paul J., assignor to United Aircraft Corporation, East Hartford, Conn. Damped bearing support. 2,515,861, July 18.
Campbell Products Co., assignee: *See*— Campbell, Albert B.
Campbell, Richard H., assignor to Webster Electric Company, Racine, Wis. Intercommunicating apparatus. 2,529,912, Nov. 14.
Campbell, Robert R., Muskegon, Mich. Heat-treatment of cast iron. 2,493,339, Jan. 3.
Campbell, Rollin E.: *See*— Forse, Harry D., and Campbell.
Campbell, Rollin E., Anderson, Ind. Collar forming apparatus. 2,524,253. Oct. 3.
Campbell, Roy O., Maitland, Ontario, Canada. Fuse plug and socket. 2,528,857, Nov. 7.
Campbell Soup Company, assignee: *See*— Johannes, Erich H. L.
Campbell Taggart Research Corporation, assignee: *See*— Archer, Irving M. Reeder, Wendell, and Russ.
Campbell, Thaddeus C., Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Combined lock and spreader for portable rolling ladders. 2,521,114, Sept. 5.
Campbell, Thomas A., assignor to Stewart-Warner Corporation, Chicago, Ill. Lubricating fitting. 2,497,758, Feb. 14.
Campbell, Walter A., assignee: *See*— Russell, Stanley A.
Campbell, William D., assignor to Munsingwear, Inc., Minneapolis, Minn. Apparatus for transporting heavy objects. 2,508,661, May 23.
Campbell, William J., New York, N. Y. Safety stop. 2,512,609, June 27.
Campbell, Wyant & Cannon Foundry Co., assignee: *See*— Wyant, Ira A.
Camphouse, John J., Oak Park, assignor to Ditto, Incorporated, Chicago, Ill. Sheet positioning device for duplicating machines. 2,518,221, Aug. 8.
Campion, Donald C., Sr., Detroit, Mich., assignor to Loftus Engineering Corporation, Pittsburgh, Pa. Conveyer. 2,520,527, Aug. 29.
Campodonico, John J., Stockton, and T. Castberg, Berkeley, Calif. Multispeed gear transmission. 2,500,308, Mar. 14.
Campos, Adolph, Clifton, assignor to Volupte, Inc., Elizabeth, N. J. Pocket lighter. 2,511,459, June 13.
Camras, Marvin: *See*— Leedy, Haldon A., and Camras.
Camras, Marvin, Chicago, Ill., assignor to Armour Research Foundation of Illinois Institute of Technology. Constant speed drive for magnetic recorders. Re. 23,192, Jan. 31.
Camras, Marvin, Chicago, Ill., assignor to Armour Research Foundation of Illinois Institute of Technology. Neutralizing inductive disturbances in magnetic reproducers. Re. 23,311, Dec. 26.
Camras, Marvin, assignor to Armour Research Foundation of Illinois Institute of Technology, Chicago, Ill. Magnetic recording apparatus. 2,496,441, Feb. 7.
Camras, Marvin, Chicago, Ill., assignor to Armour Research Foundation of Illinois Institute of Technology. Record protector for magnetic recording and reproducing devices. 2,515,190, July 18.
Camras, Marvin, assignor to Armour Research Foundation of Illinois Institute of Technology, Chicago, Ill. Apparatus for magnetic recording. 2,528,261, Oct. 31.
Canada, Alfred H., Schenectady, N. Y., assignor to General Electric Company. Photometer. 2,525,445, Oct. 10.
Canada Needle and Fishing Tackle Company Limited, assignee: *See*— Crook, Arthur J. H.
Canada Packers Limited, assignee: *See*— Hincks, William J.
Canaday, Daniel B., Jr., Inman, S. C. Ball point fountain pen. 2,521,038, Sept. 5.
Canadian Car and Foundry Company Limited, assignee: *See*— Lathrem, Charles I.
Canadian Controllers, Limited, assignee: *See*— Grepe, Frederick Y.
Canadian Hanson and Van Winkle Company, Limited, assignee: *See*— Richards, Victor L.
Canadian Industries Limited, assignee: *See*— Allenby, Owen C. W. Hornibrook, Walter J. Janz, George J. Martin, Arthur H. Robinson, Ivan M., and Janz.
Canadian International Paper Company, assignee: *See*— Bryans, Harry C.
Canadian Patents and Developments Limited, assignee: *See*— Boyd, Winnett. Marchant, Lawrence E., Hall, and Creek.
Canadian Radium & Uranium Corporation, assignee: *See*— Blau, Marietta. Blau, Marietta, and Pregel. Goldstein, Ladislas, and Pregel. Joris, George.
Canady, Don, Cincinnati, assignor, by mesne assignments, to The Hobart Manufacturing Company, Troy, Ohio. Lamp housing. 2,518,282, Aug. 8.
Canady, Don, Cleveland, Ohio. Film transmission mechanism. 2,495,442, Jan. 24.
Canales, Joe J., Uvalde, Tex. Weighted drill for cutting post holes in rock. 2,533,555, Dec. 12.
Cancelli, Dante E., and B. P. Silvestri, Peckville, Pa. Removable rigid top for car bodies. 2,511,460, June 13.
Candler, Arthur V. B., Tulsa, Okla. Automatic shutoff valve. 2,496,518, Feb. 7.
Candler, Arthur V. B., and W. A. Stover, Tulsa, Okla. Method of and apparatus for treating petroleum emulsions. 2,528,032, Oct. 31.
Candor, Robert R., Oakwood, assignor to General Motors Corporation, Dayton, Ohio. Counterbalancing device. 2,498,877, Feb. 28.
Candor, Robert R., Oakwood, assignor to General Motors Corporation, Dayton, Ohio. Domestic appliance. 2,529,913, Nov. 14.

Candy, Albert M., La Grange, assignor, by mesne assignments, to National Cylinder Gas Company, Chicago, Ill. Magnetic control system. 2,493,388, Jan. 3.

Canfield, Audley R., Lake Elmo, Minn. Machine for molding concrete block, brick, or tile. 2,535,389, Dec. 26.

Canfield, Gertrude R., Oklahoma City, Okla. Kitchen utensil. 2,522,343, Sept. 12.

Canfield, Harry R., Cleveland Heights, assignor to L. A. Trofimov, Willoughby, Ohio. Speed responsive device. 2,531,611, Nov. 28.

Canfield, Robert W., West Hartford, and R. B. Woodward, South Coventry, assignors to Plax Corporation, Hartford, Conn. Method and apparatus for producing twisted thermoplastic resin strips. 2,494,689, Jan. 17.

Canfield, William B.: *See*—
Rust, John B., and Canfield.

Canfield, William B., Montclair, N. J., assignor of one-half to Ellis Foster Company and one-half to Montclair Research Corporation. Copolymer liquid polish. 2,511,695, June 13.

Canfield, William B., Montclair, N. J., assignor of one-half to Montclair Research Corporation, and one-half to Ellis-Foster Company. Jute fiber-coating resinous material and making same. 2,527,057, Oct. 24.

Canfora, Arthur E., Brooklyn, N. Y., assignor to Radio Corporation of America. Polar locking circuit. 2,526,003, Oct. 17.

Canfora, Arthur E., and L. A. Thomas, Brooklyn, N. Y., assignors to Radio Corporation of America. Synchronous telegraph system. 2,534,337, Dec. 19.

Canister Company, Inc., The, assignee: *See*—
Di Cosmo, Pasquale V.
Ricciardi, Matthew C.

Cann, Arthur S., Milford, Conn. Pipe cutter. 2,513,842, July 4.

Cannell, William A., and M. D. Woodruff, assignors to The Bauer Bros. Company, Springfield, Ohio. Welding electrode. 2,518,447, Aug. 15.

Canner, Albert D.: *See*—
Twele, Karl A. W., and Canner.

Canney, Arthur W., assignor to Airkem, Inc., New York, N. Y. Air ventilating system with malodor reducing means. 2,497,068, Feb. 14.

Canney, Charles G., Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey. Upsetting-die lubricant for application to bolt stock or the like. 2,531,553, Nov. 28.

Cannon, Earl, Downers Grove, assignor to American Steel Foundries, Chicago, Ill. Fluid apparatus. 2,495,669, Jan. 24.

Cannon, Earl, Downers Grove, and E. J. Lukes, Brookfield, assignors to American Steel Foundries, Chicago, Ill. Fluid apparatus. 2,495,670, Jan. 24.

Cannon Electric Development Company, assignee: *See*—
Arson, Samuel L., and Cannon.

Cannon, George E.: *See*—
Huber, Theodore A., and Cannon.

Cannon, James H., assignee: *See*—
Arson, Samuel L.

Cannon, James R.: *See*—
Terroni, Teseo B. D., and Cannon.

Cannon, John F., Springfield, Ill. Power driven toothbrush. 2,532,480, Dec. 5.

Cannon, John W., Birmingham, Ala. Garbage can holder. 2,522,778, Sept. 19.

Cannon, Madison M., Jr., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Water-cooled skimmer block for molten glass flow channels. 2,508,222, May 16.

Cannon, Reginald: *See*—
Ware, Richard N., Jr., and Cannon.

Cannon, Robert J.: *See*—
Arson, Samuel L., and Cannon.

Cannon, Wayne D., Hohokus, and W. L. Weeks, Wyckoff, N. J., assignors to Wright Aeronautical Corporation. Preoiling and pressurizing of engine lubrication systems. 2,526,197, Oct. 17.

Cannon, William D., Metuchen, N. J., and M. Cantor, Brooklyn, assignors to The Western Union Telegraph Company, New York, N. Y. Electrically actuated recording unit. 2,502,419, Apr. 4.

Cantalupo, Francis J.: *See*—
De Craene, Edmond P., Fennema, and Cantalupo.

Cantello, Carl J., Brooklyn, N. Y. Garter clasp. 2,498,154, Feb. 21.

Cantle, Leicester G. H., Surbiton, assignor to Reid and Sigrist Limited, Kirby Muxloe, near Leicester, England. Apparatus for testing the balance of rotating bodies. 2,524,650, Oct. 3.

Canton, Arthur, South Pasadena, Calif. Trimming tool. 2,516,448, July 25.

Canton Malleable Iron Company, The, assignee: *See*—
Cole, Ralph N.

Cantor, Gilbert, Bradley Beach, N. J. Amplifier. 2,520,907, Sept. 5.

Cantor, Michael: *See*—
Cannon, William D., and Cantor.

Cantral, John I.: *See*—
Silver, Walter H., and Cantral.

Cantrell, John I., Mobile, Ala. Steam generator. 2,524,307, Oct. 3.

Cantrell, Troy L.: *See*—
Smith, Herschel G., and Cantrell.
Smith, Herschel G., Cantrell, and Peters.
Smith, Herschel G., Hill, and Cantrell.

Canty, Charles R., and G. A. Gavard, Winterport, Maine. Fire prevention apparatus for range burners. 2,498,484, Feb. 21.

Capaccione, Dominick: *See*—
Acocella, Pasquale J., and Capaccione.

Caparone, Michael J., Arcadia, Calif., assignor to Robertshaw-Fulton Controls Company, Youngwood, Pa. Automatic pilot burner. 2,524,622, Oct. 3.

Capellazzi, Gildo, New York, N. Y. Banking spacer for universal chucks. 2,524,006, Sept. 26.

Capewell, Eugene R., Moorestown, N. J. Tube cutter. 2,502,700, Apr. 4.

Capewell, Eugene R., Moorestown, N. J. Tube cutter. 2,502,701, Apr. 4.

Capewell, Eugene R., Moorestown, N. J. Tube cutter. 2,515,627, July 18.

Capey, Reco, New York, N. Y., assignor to Yardley of London, Inc., Union City, N. J. Container and closure therefor. 2,501,809, Mar. 28.

Capita, Emil R., North Bergen, and T. A. Feehan, Allendale, said Feehan assignor to Ecco High Frequency Electric Corp., North Bergen, N. J. Centrifugal casting means. 2,509,670, May 30.

Capitol Records, Inc., assignee: *See*—
Leedom, Harry B.

Caplan, Barney, Camden, N. J. Extensible-hem garment construction. 2,508,223, May 16.

Caplan, Helen, assignee: *See*—
Hopp, Hermann and P.

Caplan, Solomon: *See*—
Harvey, Mortimer T., and Caplan.

Cappleman, Homer L., Jr., Miami, Fla. Rain or snow gauge. 2,497,759, Feb. 14.

Capps, Frank L., & Co., Inc., assignee: *See*—
Capps, Isabel L., and Cook.

Capps, Isabel L., Westbury, and E. G. Cook, Floral Park, assignors to Frank L. Capps & Co., Inc., New York, N. Y. Recording stylus. 2,530,284, Nov. 14.

Capriccio, Charles, Corona, N. Y. Bottle cap remover with resilient liner. 2,514,565, July 11.

Capriccio, Charles, Corona, N. Y. Bottle cap remover and applicator. 2,514,566, July 11.

Capstaff, John G., assignor to Eastman Kodak Company, Rochester, N. Y. Triple head rotary registry printer. 2,525,522, Oct. 10.

Capstaff, John G., assignor to Eastman Kodak Company, Rochester, N. Y. Method and apparatus for stripping multilayer film. 2,533,424, Dec. 12.

Capuano, Crescenzo, Los Angeles, Calif. Hip pocket. 2,524,879, Oct. 10.

Caputo, Dante A., Los Angeles, Calif. Tension control means for cables. 2,512,010, June 20.

Caracristi, Virginius Z.: *See*—
Powell, Elno M., and Caracristi.

Caracristi, Virginius Z., Bronxville, N. Y., assignor, by mesne assignments, to Combustion Engineering-Superheater, Inc. Air vane for fuel burners. 2,512,196, June 20.

Caramanoff, Anna, Detroit, Mich. Reinforcing center for phonograph records. 2,501,465, Mar. 21.

Carani, Attilio D., Miami, Fla. Window structure. Re. 23,301, Dec. 5.

Carapella, Louis A.: *See*—
Kaiser, Herman F., and Carapella.

Carbary, Richard J., Erie, Pa., assignor to General Electric Company. Electrical connection for hinged structures. 2,522,989, Sept. 19.

Carbary, Richard J., Erie, Pa., assignor to General Electric Company. Butter conditioner. 2,525,446, Oct. 10.

Carbodies Limited, assignee: *See*—
Orr, John H.

Carboline Limited, assignee: *See*—
Boardman, Harold.

Carboloy Company, Inc., assignee: *See*—
Paul, Christ D.

Carbon, Harry B.: *See*—
Hartley, Emmett C., and Carbon.

Carbon, Harry B., assignor to The Parker Appliance Company, Cleveland, Ohio. Valve operating mechanism. 2,506,063, May 2.

Carbonara, Victor E., Manhasset, and J. H. Andresen, Jr., Port Washington, N. Y., assignors to Square D Company, Detroit, Mich. Instrument for correlating angle of attack and air speed. 2,507,367, May 9.

Carbonaro, Marius C., Paris, France, assignor to Satam Societe Anonyme Pour Tous Appareillages Mecaniques. Variable ratio transmission. 2,526,117, Oct. 17.

Carbonaro, Marius C., Paris, assignor to Societe Anonyme Pour Tous Appareillages Mechaniques, Seine, France. Apparatus for dispensing liquids or gases. 2,527,703, Oct. 31.

Carbone, Joseph F.: *See*—
Land, Edwin H., Carbone, and Carrier.

Carboni, Rudolph A., Yonkers, N. Y., and P. P. Regna, West New York, N. J., assignors to Chas. Pfizer & Co., Inc., New York, N. Y. Hydrogenation of streptomycin. 2,522,858, Sept. 19.

Carbonneau, Gordon S., Grand Rapids, Mich. Electrodynamic loudspeaker and mounting therefor. 2,522,859, Sept. 19.

Carborundum Company, The, assignee: *See*—
Bell, Albert L., and Rose.
Benner, Raymond C., and McMullen.
Frost, Austin M.
Goepfert, George J., and Cofran.
Mays, James C.
Robie, Norman P.
Rushmer, Ralph H., and Goepfert.
Stohr, Robert W.
Upper, Frederick A., and Baumgartner.

Carbrey, Robert L., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Decoder for pulse code modulation. 2,505,029, Apr. 25.

Carbrey, Robert L., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Coding tube for pulse code modulation signals. 2,516,752, July 25.

Card, James V., assignor to Texas Toy Horse Manufacturing Company, Ltd., La Grange, Tex. Walking horse. 2,511,968, June 20.

Carden, Norman F., Jr., Durham, N. C. Attachment for presses. 2,531,253, Nov. 21.

Carder, Earle H., and L. H. Cook, Menlo Park, Calif. Rat guard. 2,513,141, June 27.

Cardillo, Lena, Brooklyn, N. Y. Place marker souvenir. 2,510,551, June 6.

Cardinal Corporation, assignee: *See*—
Wallace, Walter J., Jr.

Cardinal, Gerald: *See*—
Lustenberger, Frederick E., and Cardinal.

Cardinal, James H., assignee: *See*—
Redmon, Frank M., Sr.

Cardinal Products Inc., assignee: *See*—
Schmitt, George P.

Cardinell, John D., Montclair, N. J. Drafting instrument. 2,509,559, May 30.

Cardon, Samuel Z.: *See*—
Morris, William C., and Cardon.

Cardona, Carlos J., North Hollywood, Calif. Tripod. 2,534,659, Dec. 19.

Cardox Corporation, assignee: *See*—
Beach, Walter A.
Fawkes, Donald G.
Getz, Charles A.
Hampel, Clifford A.
Hampel, Clifford A., and Norem.
Hesson, James C.
Myers, Leonard D.
Quarfoot, Harry B.
Spencer, Russell.
Voss, Walter W., Getz, and Hesson.
Whalgren, Albert W.
Williamson, Hilding V.

Cardwell, Harland W.: *See*—
Johnson, Earl R., and Cardwell.

Cardwell, Harland W., and J. W. Haupt, assignors to Cardwell Manufacturing Company, Inc., Wichita, Kans. Air controlled shifting mechanism. 2,508,564. May 23.

Cardwell, Harland W., and E. R. Johnson, assignors to Cardwell Manufacturing Company Inc., Wichita, Kans. Air-cooled friction clutch. 2,517,972, Aug. 8.

Cardwell, Harland W., and E. R. Johnson, assignors to Cardwell Manufacturing Company, Inc., Wichita, Kans. Friction brake. 2,517,973, Aug. 8.

Cardwell, James R., Barrington, Ill. Draft gear. 2,496,442, Feb. 7.

Cardwell Manufacturing Company, Inc., assignee: *See*—
Cardwell, Harland W., and Haupt.
Cardwell, Harland W., and Johnson.
Johnson, Earl R., and Cardwell.

Cardwell Westinghouse Company, assignee: *See*—
Freeman, Lewis D.

Care, Arthur J. P., Toronto, Ontario, Canada. Apparatus for producing fiber staples. 2,532,660, Dec. 5.

Care, Thomas, and F. Sievern, assignors of one-third to S. Pandel, McKeesport, Pa. Centering device for lifting jacks. 2,502,924, Apr. 4.

Carelock, Claude L., Douglas, Ga. Spreader. 2,521,565, Sept. 5.

Carew, Herman, Easton, Pa., assignor to Dixie Cup Company, Chicago, Ill. Holder for paper cups. 2,509,132, May 23.

Carew, Herman, Easton, Pa., assignor to Dixie Cup Company, Chicago, Ill. Paper cup holder. 2,509,133, May 23.

Carew, Herman, Easton, Pa., assignor to Dixie Cup Company, Chicago, Ill. Holder for paper cups. 2,509,134, May 23.

Carew, Herman, and W. M. Mack, assignors to Dixie Cup Company, Easton, Pa. Dispensing machine for paper cups and the like. 2,517,532, Aug. 8.

Carey, Albert L., Kankakee, Ill., and J. V. Anslinger, Haubstadt, Ind. Filing attachment for lathes. 2,504,495, Apr. 18.

Carey, Albert L., and J. V. Anslinger, Kankakee, Ill. Sanding attachment for drill presses. 2,519,542, Aug. 22.

Carey, Edward L.: *See*—
Batchelor, Clyde S., and Carey.

Carey, Frederick H., assignor to Dowty Equipment Limited, Cheltenham, England. High-pressure pump. 2,528,739, Nov. 7.

Carey, Frederick H., assignor to Dowty Equipment Limited, Cheltenham, England. Fuel supply system for continuous combustion turbine type aircraft. 2,530,649, Nov. 21.

Carey, George E., Arab, Ala. Cultivator. 2,503,468, Apr. 11.

Carey, Leroy J., assignor to The Marquette Metal Products Company, Cleveland, Ohio. Wiper drive arm. 2,493,527, Jan. 3.

Carey, Leroy J., assignor to The Marquette Metal Products Company, Cleveland, Ohio. Fluid operated reciprocating motor with rotary reversing valve. 2,521,566, Sept. 5.

Carey-McFall Company, assignee: *See*—
Stuber, Walter J., and Di Ienno.

Carey, Philip, Manufacturing Company, The, assignee: *See*—
Greider, Harold W., and Leibrook.

Carey Salt Company, The, assignee: *See*—
Imes, Paul V., and Jobes.

Cargill, Donald M., Derby, England. Universal electrical apparatus. 2,534,951, Dec. 19.

Cargill, Incorporated, assignee: *See*—
Markley, Max C.

Cargill, Maxwell F., Maywood, assignor to Middleby-Marshall Oven Company, Chicago, Ill. Bake oven conveyer. 2,493,857, Jan. 10.

Carhart, Homer W., and J. A. Krynitsky, Washington, D. C. Method and apparatus for detecting hydrogen cyanide. 2,534,229, Dec. 19.

Carhart, Richard L., Joliet, Ill., and C. A. Schacha, Cleveland, Ohio, assignors to The American Steel and Wire Company of New Jersey. Applying a molten zinc coating to a ferrous article. 2,501,262, Mar. 21.

Cariani, Pedro, Sao Paulo, Brazil. Apparatus for cleaning, dehydrating, and storing seed and granular material. 2,526,994, Oct. 24.

Carington, Charles M.: *See*—
Pickett, Walter J., Carington, and Shoobert.

Caris, Darl F., Dearborn, and W. W. Perkins, Pleasant Ridge, assignors to General Motors Corporation, Detroit, Mich. Gyro precessing means. 2,494,429, Jan. 10.

Carissimi, Louis C., Fairfield, Conn., assignor to Remington Rand Inc., New York, N. Y. Cam wear plate for switch blades. 2,494,986, Jan. 17.

Carkeek, Charles R., Pasadena, Calif., assignor to The Texas Company, New York, N. Y. Cascade catalyst system. 2,534,853, Dec. 19.

Carl, Emerson G., Jr., Philadelphia, Pa. Feed mechanism for projectile assembly machines. 2,523,278, Sept. 26.

Carl, William F., Des Moines, Iowa. Mold or case holder for use in electrotyping. 2,509,722, May 30.

Carlbom, Axel G. H., assignor to Svenska Aktiebolaget Bromsregulator, Malmo, Sweden. Automatic slack adjuster for brakes. 2,497,343, Feb. 14.

Carle, René, Brooklyn, assignor, by mesne assignments, to Thermo Electric Fuse Corp., New York, N. Y. Resettable circuit breaker. 2,496,332, Feb. 7.

Carleton, Emile J., assignor to Hydraulic Engineering Co., Inc., Holyoke, Mass. Control valve for fluid-pressure systems. 2,500,450, Mar. 14.

Carleton, James T., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Ignitron inverter. 2,523,094, Sept. 19.

Carleton, Robert A., Mamaroneck, N. Y. Drying oil. 2,517,838, Aug. 8.

Carley, Paul M., Rutherford, N. J. Musical instrument support. 2,510,799, June 6.

Carlile, Alfred E., Great Neck, N. Y., assignor to Talon, Inc. Method and blank for making slide fasteners. 2,508,782, May 23.

Carlile, Alfred E., Brooklyn, N. Y., assignor to National Fastener Corporation. Slide fastener stop blank. 2,526,802, Oct. 24.

Carlile, John F., Paterson, N. J., assignor to United Fruit Company, Boston, Mass. Stringing device. 2,517,461, Aug. 1.

Carlin, Arvid F., Mamaroneck, N. Y. Toilet paper holder. 2,499,815, Mar. 7.

Carlin, Arvid F., Mamaroneck, N. Y. Combined toilet paper holder and shelf. 2,521,899, Sept. 12.

Carlin, Benson, New York, N. Y., assignor to Sperry Products, Inc., Hoboken, N. J. Resonanee device for inspecting materials. 2,499,459, Mar. 7.

Carlin, Benson, New York, N. Y., assignor to Sperry Products, Inc., Hoboken, N. J. Delay system for supersonic inspection. 2,525,861, Oct. 17.

Carlin, Benson, New York, N. Y., assignor to Sperry Products, Inc., Hoboken, N. J. Supersonic testing. 2,527,986, Oct. 31.

Carlin Comforts, Inc., assignee: *See*—
Hill, Gilbert, and De Witt.

Carlin, Frank J., Allendale, N. J., assignor to United States Rubber Company, New York, N. Y. Form. 2,494,329, Jan. 10.

Carlin, Frank J., Jr., Saddle River, N. J., assignor to American Cyanamid Company, New York, N. Y. Furfurylated urea resins and preparation. 2,510,496, June 6.

Carlin, Herbert J., East Orange, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Phase shifter. 2,495,158, Jan. 17.

Carlin, Herbert J., East Orange, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Frequency relay independent of the magnitudes of energization thereof. 2,513,843, July 4.

Carlin, Jack R., Watertown, and E. T. Clarke, Cambridge, assignors to Tracerlab, Inc., Boston, Mass. Measurement of the intensity of penetrative radiations. 2,531,804, Nov. 28.

Carlin, James C., Norristown, assignor to Lee Rubber & Tire Corporation, Conshohocken, Pa. Length-marking apparatus. 2,529,593, Nov. 14.

Carlino, Frank, Buffalo, N. Y. Electrically heated paint remover. 2,497,535, Feb. 14.

Carlisle, Francis L.: *See*—
Beemer, Paul K., and Carlisle.

Carlisle, Guernsey I., Sr., Austin, Tex. Railroad tank car or truck tank. 2,513,450, July 4.

Carlisle, Russell A., deceased, Norfolk, Va., by R. A. Carlisle, Jr., administrator. Collar supporter. 2,510,030, May 30.

Carlisle, Russell A., Jr., administrator: *See*—
Carlisle, Russell A.

Carlsen, John, Hellerup, by Copenhagen, Denmark. Carrying mechanism for calculating machines. 2,499,946, Mar. 7.

Carlsen, John, Hellerup, by Copenhagen, Denmark. Carrying mechanism for calculating machines. 2,503,613, Apr. 11.

Carlson, Adolph H., Denver, Colo. Bobby pin spreader and dispenser. 2,511,768, June 13.

Carlson, Andrew H., assignor to Parker Manufacturing Company, Worcester, Mass. Screw holder. 2,497,256, Feb. 14.

Carlson, Artie C., and F. W. Crew, Detroit, assignors to Wickes Brothers, Saginaw, Mich. Die closing mechanism. 2,526,803, Oct. 24.

Carlson, Bernard E., Moline, Ill., assignor to Deere Manufacturing Co. Tractor. 2,503,096, Apr. 4.

Carlson, Bernard E., Placentia, Calif. Vaporizing apparatus. 2,502,777, Apr. 4.

Carlson, Carl S.: *See*—
Morrell, Charles E., Scheeline, Carlson, and Heineman, Jr.

Carlson, Carl S., Roselle, N. J., assignor to Standard Oil Development Company. Azeotropic distillation of mesitylene from isophorone. 2,530,325, Nov. 14.

Carlson, Carl S., Elizabeth, and H. T. Oakley, Jersey City, N. J., assignors to Standard Oil Development Company. Control of foaming. 2,497,150, Feb. 14.

Carlson, Carl S., and R. S. Merrington, Elizabeth, and F. A. Biribauer, Cranford, N. J., assignors to Standard Oil Development Company. Propylene polymerization. 2,508,744, May 23.

Carlson, Charles, Kirk's Mills, Pa. Convertible chair. 2,519,885, Aug. 22.

Carlson, Charles G., Miami Beach, Fla. Blanket holder. 2,507,091, May 9.

Carlson, Charles L., and R. W. Bond, Fort Wayne, Ind., assignors to International Harvester Company. Package delivery type motor vehicle. 2,532,057, Nov. 28.

Carlson, Clarence M., Cuyahoga Falls, and J. E. Snyder, assignors to Wingfoot Corporation, Akron, Ohio. Producing tubes from two heat-sealable films. 2,522,346, Sept. 12.

Carlson, Earl J., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Copolymers of vinyl benzoate and polyunsaturated carbonate esters. 2,529,866, Nov. 14.

Carlson, Earl J., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Copolymers of vinyl esters of aliphatic acids with dialkenylcarbonate esters of alkylene bis-phenols. 2,529,867, Nov. 14.

Carlson, Elmer G.: *See*—
Johnson, Arnold L., Carlson, and Biasca.

Carlson, Elmer T., Wyoming, Ohio, assignor to The Trumbull Electric Manufacturing Company, Plainsville, Conn. Infrared baking oven. 2,498,878, Feb. 28.

Carlson, Emil, assignor, by mesne assignments, to H. Y. Bassett, O. D. Marcks, and V. D. Hanna, Detroit, Mich. Antenna. 2,535,899, Dec. 26.

Carlson, Emil, Portland, Oreg. Butt gauge and cutting tool. 2,500,800, Mar. 14.

Carlson, Fred O., assignor, by mesne assignments, to Carlson & Sullivan, Inc., Monrovia, Calif. Ruler construction. 2,510,939, June 6.

Carlson, George, Brooklyn, N. Y. Tightener for clothes-lines. 2,529,327, Nov. 7.

Carlson, George, Hawthorne, N. Y. Interchangeable handle for garden and the like tools. 2,502,368, Mar. 28.

Carlson, George, North Arlington, N. J. Tie rack and making it. 2,507,886, May 16.

Carlson, George J., El Cerrito, assignor to Shell Development Company, San Francisco, Calif. Production of unsaturated halides. 2,494,034, Jan. 10.

Carlson, Gustaf, assignor to Arko Tool & Die Company, Minneapolis, Minn. Lifting tongs for concrete blocks. 2,507,368, May 9.

Carlson, Gustaf H., assignor to R. P. Scherer Corporation, Detroit, Mich. Purifying nicotinamide. 2,511,244, June 13.

Carlson, Harold A., University City, assignor to Carter Carburetor Corporation, St. Louis, Mo. Carburetor accelerating pump. 2,493,804, Jan. 10.

Carlson, Harold A., University City, and K. S. Grilleaux, assignors to Carter Carburetor Corporation, St. Louis, Mo. Crankcase ventilator. 2,516,547, July 25.

Carlson, Harold C. R., Brooklyn, N. Y. Apparatus to coil springs from a strand of wire. 2,513,916, July 4.

Carlson, Henning M., Columbus, Ohio, assignor, by mesne assignments, to Bituminous Coal Research, Inc., Pittsburgh, Pa. Orifice plate. 2,497,978, Feb. 21.

Carlson, Henry A., Bartlesville, Okla., assignor to Phillips Petroleum Company. Corrosion inhibition. 2,523,893, Sept. 26.

Carlson, Iver, Los Angeles, Calif. Bearing puller. 2,511,044, June 13.

Carlson, Iver H., Portsmouth, N. H. Round nut feeding fixture. 2,531,395, Nov. 28.

Carlson, John T., assignor to D. L. Chaffee, Grand Rapids, Mich. Thermostatic switch. 2,522,431, Sept. 12.

Carlson, John W., Chicago, Ill. Flow restrictor. 2,517,082, Aug. 1.

Carlson, John W., Chicago, Ill. Discharge device. 2,517,083, Aug. 1.

Carlson, Joseph, Romeo, Mich.; M. E. H. W. Carlson, executrix of estate of said J. Carlson, deceased. Handle for fishing rods. 2,504,801, Apr. 18.

Carlson, Louis C., South Ozone Park, N. Y. Adapter. 2,531,840, Nov. 28.

Carlson, Marie E. H. W., executrix: *See*—
Carlson, Joseph.

Carlson, Marvin C.: *See*—
Popp, Rudolf, and Carlson.

Carlson, Marvin C., assignor to McGill Manufacturing Company Inc., Valparaiso, Ind. Adjustable portable lamp and lens. 2,526,729, Oct. 24.

Carlson, Oscar W., Cuyahoga Falls, assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Adjustable extrusion machine. 2,514,211, July 4.

Carlson, Paul F., Madison, Pa. Universally adjustable tool mount requiring single operating handle. 2,506,440, May 2.

Carlson, Phillip R., Pasadena, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Windshield deicer. 2,526,327, Oct. 17.

Carlson, Russell M., Milford, assignor to United Aircraft Corporation, East Hartford, Conn. Towed glider. 2,507,957, May 16.

Carlson, Samuel E., Alhambra, Calif. Score counting device for ball games. 2,506,825, May 9.

Carlson & Sullivan, Inc., assignee: *See*—
Carlson, Fred O.

Carlson, Thomas A., Riverdale, Ga., assignor to Automotive Mufflers, Inc., Chicago, Ill. Muffler with plural perforated inner elements. 2,529,136, Nov. 7.

Carlson, Victor G.: *See*—
Craft, Glen, and Carlson.

Carlson, Walter B., London, England, assignor to The Babcock & Wilcox Company, Rockleigh, N. J. Apparatus for expanding tubes in tube seats. 2,535,782, Dec. 26.

Carlson, Wendell L., Princeton, N. J., assignor to Radio Corporation of America. Frequency modulation receiver tuning aid. 2,501,120, Mar. 21.

Carlson, Wendell L., Princeton, N. J., assignor to Radio Corporation of America. Electrical shield. 2,512,737, June 27.

Carlson, Wendell L., Princeton, N. J., assignor to Radio Corporation of America. Frequency modulation radar system of superheterodyne type with successive intermediate frequency signal conversions. 2,518,864, Aug. 15.

Carlson, Wendell L., and R. L. Harvey, Princeton, N. J., assignors to Radio Corporation of America. Single unit capacitor and resistor. 2,528,113, Oct. 31.

Carlson, Wilbur L., Rochester, N. Y., assignor to General Motors Corporation, Detroit, Mich. Induction coil. 2,494,470, Jan. 10.

Carlson, William A.: *See*—
Keene, Walter L., and Carlson.

Carlson, William I., Detroit, Mich. Penrule. 2,508,372, May 23.

Carlsson, Henry O.: *See*—
Wallentin, Åke H., Carlsson, and Vesterlund.

Carlsson, Sven G.: *See*—
Angerby, Erik A., Carlsson, and Blom.

Carlton, James L., New York, and B. Menin, Ozone Park, assignors to Saul Jeffee, New York, N. Y. Optical device. 2,515,862, July 18.

Carlton, Simon J., Vallejo, Calif. Micrometer. 2,516,956, Aug. 1.

Carlton, Thomas R., San Diego, Calif., assignor, by mesne assignments, to Lather-Kup Specialty Company. Valved attachment for collapsible tubes, having a receiver for extruded contents. 2,518,751, Aug. 15.

Carlton, William C., Hornchurch, England. Device for protecting vehicle tires. 2,509,807, May 30.

Carlton, William C., Ilford, England. Device for protecting the tires of vehicles. 2,501,886, Mar. 28.

Carlzen, Carl F.: *See*—
Meyer, Alvin D., and Carlzen.

Carlzen, Carl F., assignor to Colonial Radio Corporation, Buffalo, N. Y. Screw and nut gearing. 2,512,714, June 27.

Carmack, Marvin, Swarthmore, Pa., and De Los F. De Tar, Buffalo, N. Y., assignors to Rohm & Haas Company, Philadelphia, Pa. Preparation of acid derivatives from unsaturated compounds. 2,495,567, Jan. 24.
Carman, Harold C., assignor to Western Pine Mfg. Company Limited, Spokane, Wash. Electrically operated saw gauge. 2,535,900, Dec. 26.
Carmean, Russell H., Chillicothe, Ohio. Speed changer V-belt pulley. 2,535,668, Dec. 26.
Carmer, Bertram H., Jr., Maplewood, and F. A. Dutra, Wyckoff, N. J.; said Carmer assignor to Bell Telephone Laboratories, Incorporated, and said Dutra assignor to Western Electric Company, Incorporated, New York, N. Y. Supporting detail for flexible conductors. 2,530,812, Nov. 21.
Carmichael, Asa B., Tujunga, Calif. Camp car. 2,501,027, Mar. 21.
Carmichael, George W., assignor to Carmichael Machine Company, Columbus, Ohio. Interval timer. 2,497,584, Feb. 14.
Carmichael Machine Company, assignee: *See*— Carmichael, George W.
Carmichael, Russell: *See*— Hale, Arthur N.
Carmichael, Tilden M., assignor to C. B. Raper, High Point, N. C. Attachment for textile machines. 2,527,396, Oct. 24.
Carmin, Harold I., Detroit, Mich. Glove for accurately handling seized objects. 2,522,344, Sept. 12.
Carnagua, Harold E., and M. N. Bareham, Muncie, Ind., assignors to Borg-Warner Corporation, Chicago, Ill. Transmission control. 2,505,881, May 2.
Carnahan, Chalon W.: *See*— Kalmus, Henry P., and Carnahan.
Carnarius, Max C., Jr., Miami Beach, Fla. Recovery of citrus oil. 2,506,776, May 9.
Carne, Gerald G., Rockaway, N. J., assignor to Radio Corporation of America. Electrode structure for gas discharge devices. 2,516,675, July 25.
Carnegie-Illinois Steel Corporation, assignee: *See*—
Baeyertz, Mary, and Lindsey.
Berdis, Albert J., and Dahl.
Bouck, Harold W.
Brisse, Andre H.
Britton, Roscoe C., and McEwan.
Burkhart, Raymond A
Campbell, Charles H., Ferito, and Stoker.
Chase, Sherman.
Dailey, William H., Jr.
Day, Maurice J.
Debenham, William S.
Eddy, Forrest R.
Eisenberg, Julius G.
Elwood, Julius G.
Erland, Gustave G., and Pearson.
Forsythe, John W., and Smotzer.
Frame, John E.
George, Nelson C., and Haab.
Gott, Edwin H.
Guy, Charles M.
Hammer, Rolf O.
Hibbert, Edward N.
Houk, Mansel E.
Hunter, John A.
Jantsch, Emil.
Johnson, Fred H.
Jones, Joshua B., and White.
Kling, Fred E.
Liebel, Charles R., Wells, and Wilson, Jr.
Lorig, Edwin T.
Mancino, Christy.
Markel, Glenn R.
Marks, Merton M.
Meier, Frederic.
Meier, Frederic, and Rittenhouse.
Morrow, Harry C.
Mowat, John F.
Mursch, William H.
Pettigrew, Wilbur H.
Phillips, Freeman J.
Rendel, George H.
Sann, Otto.
Schefe, Frederick K.
Schmidt, William E.
Schulze, Arthur R.
Smith, Griffith G.
Tonnar, Paul B.
Townsend, John S.
Tree, George.
Vickroy, George S.
Watson, Coleman H.
Wells, Joseph H., and Wilson, Jr.
Wertz, Frank G.
Wilton, Percy J.
Winterhalter, William E.
Wishart, Harold B.
Carnell, Paul H., Alma, Mich., assignor to Phillips Petroleum Company. Color and viscosity of lubricating oils. 2,526,931, Oct. 24.
Carnell, Paul H., Alma, Mich., assignor to Phillips Petroleum Company. Treatment for the improvement of lubricating oils. 2,529,484, Nov. 14.
Carnell, Paul H., Alma, Mich., assignor to Phillips Petroleum Company. Improving lubricating oils by treating with hydrofluoric acid and silver fluoride. 2,531,723, Nov. 28.
Carnell, Paul H., Bartlesville, Okla., assignor to Phillips Petroleum Company. Recovery of hydrogen fluoride. 2,498,789, Feb. 28.
Carnell, Paul H., Bartlesville, Okla., assignor to Phillips Petroleum Company. Conversion of acid-soluble oils. 2,507,764, May 16.
Carnell, Paul H., Bartlesville, Okla., assignor to Phillips Petroleum Company. Recovery of pure cyclo-olefins. 2,517,839, Aug. 8.
Carnell, Paul H., Bartlesville, Okla., assignor to Phillips Petroleum Company. Polymerization of allyl chloride and using the product as a vave lubricant. 2,533,425, Dec. 12.
Carnes, Herbert W., Swampscott, assignor to Lacene Manufacturing Corporation, Lawrence, Mass. Adjustment mechanism for skiving knives. 2,496,637, Feb. 7.
Carnes, Joseph J., Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Condensation of ethylene oxide with carboxylic acid amides. 2,520,381, Aug. 29.
Carnesecca, Joseph, Jr., Springville, Utah. Power-operated pruning shears. 2,505,385, Apr. 25.
Carney, Clifford R., Miami, Fla., assignor to Nash-Kelvinator Corporation, Detroit, Mich. Ice cube releasing device. 2,499,902, Mar. 7.
Carney, Clifford R., Miami, Fla., assignor to Nash-Kelvinator Corporation, Detroit, Mich. Ice tray and grid. 2,499,903, Mar. 7.
Carney, Clifford R., assignor to Cellon Corporation, Miami, Fla. Ice tray grid. 2,521,964, Sept. 12.
Carney, Samuel C.: *See*— McBride, John A., and Carney.
Carnvale, Anthony: *See*— Molnar, Julius P., and Carnvale.
Carnwath, James R., Bothell, Wash. Rotating kite. 2,494,430, Jan. 10.
Caron, Louis G., Washington, D. C. Knee joint. 2,509,586, May 30.
Caron, John B. R.: *See*— Wies, Calmy, Caron, and Glendenning.
Caron, John B. R., North Plainfield, N. J., C. Wies, New York, N. Y., and E. B. Glendenning, Cranford, N. J., assignors to Shell Development Company, San Francisco, Calif. Fuel oil composition. 2,527,987, Oct. 31.
Carosella, Michael, Niagara Falls, N. Y., assignor to United States Vanadium Corporation. Filtration. 2,509,260, May 30.
Carosella, Michael, Niagara Falls, N. Y., assignor to United States Vanadium Corporation. Filtration. 2,509,261, May 30.
Caroselli, Alberico and D. A., Jersey City, N. J. Camera mounting apparatus. 2,531,254, Nov. 21.
Caroselli, Clarence J., Indianapolis, Ind. Telephone dial light attachment. 2,516,676, July 25.
Caroselli, Dominick A.: *See*— Caroselli, Alberico and D. A.
Caroselli, Frank, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Piezoelectric crystal apparatus. 2,509,478, May 30.
Caroselli, Frank, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Automatic etching apparatus. 2,534,338, Dec. 19.
Carothers, Thomas A., Cincinnati, Ohio, and C. H. Burkhard, Goshen, Ind., assignors to The National Marking Machine Company, Cincinnati, Ohio. Tag forming and printing mechanism. 2,526,004, Oct. 17.
Carothers, Thomas A., C. B. D. Jardins, and E. J. Utz, assignors to The National Marking Machine Company, Cincinnati, Ohio. Tagging and listing machine. 2,528,740, Nov. 7.
Carp, Harry, Chicago, Ill. Cordless electric iron and stand. 2,524,161, Oct. 3.
Carpenter, Edward V., Cherokee, Iowa. Electric page turner. 2,526,540, Oct. 17.
Carpenter, Erwin L.: *See*— Davis, Harold S., and Carpenter.
Carpenter, Erwin L., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Producing acrylonitrile. 2,494,116, Jan. 10.
Carpenter, Fred A., Berkeley, Calif. Pressure water system. 2,533,428, Dec. 12.
Carpenter, Glen F., Des Moines, Iowa. Rail stabilizer. 2,526,005, Oct. 17.
Carpenter, Glenn W., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Rotary solenoid. 2,531,905, Nov. 28.
Carpenter, John H., Williamsport, Pa., assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Forward and reverse transmission gearing. 2,535,194, Dec. 26.
Carpenter, Joseph D., Ottumwa, Iowa. Wing fold mechanism. 2,533,429, Dec. 12.
Carpenter, Laura P., trustee, assignee: *See*— Daugherty, Fount F.
Carpenter, Louis M., and R. G. Roesch, assignors to The Eraser Company, Inc., Syracuse, N. Y. Wire stripping apparatus. 2,513,262, June 27.
Carpenter, Morris T., Flossmoor, assignor to Standard Oil Company, Chicago, Ill. Hydrocarbon synthesis. 2,500,516, Mar. 14.

Carpenter, Otis R., Barberton, and N. C. Jessen, Akron, Ohio, assignors to The Babcock & Wilcox Company, Rockleigh, N. J. Joining metals. 2,515,191, July 18.
Carpenter, Otis R., and F. W. Armstrong, Jr., Barberton, Ohio, assignors to The Babcock & Wilcox Company, Rockleigh, N. J. Electric control system. 2,518,222, Aug. 8.
Carpenter, Otis R., Barberton, G. J. Hartnett, Jr., Wadsworth, and R. P. C. Rasmusen, Akron, Ohio, assignors to The Babcock & Wilcox Company, Rockleigh, N. J. Electrical resistance butt welding apparatus. 2,525,862, Oct. 17.
Carpenter, Ralph A., and D. M. Lowe, Washington, D. C. Servo system testing. 2,497,069, Feb. 14.
Carpenter, Rupert E. H., South Croydon, England. Electrical contact assembly. 2,526,804, Oct. 24.
Carpenter, Russell, Three Rivers, Quebec, Canada. Steam joint. 2,526,328, Oct. 17.
Carpenter, Theodore H., New London, Conn., assignor to the United States of America as represented by the Secretary of the Navy. Dispensing device. 2,528,945, Nov. 7.
Carpenter, Victor H., Boston, Mass. Tooth guard. 2,521,039, Sept. 5.
Carpenter, Victor W., Franklin, Ohio, assignor to Armco Steel Corporation. Formation of glass film on silicon steel by strip annealing. 2,533,351, Dec. 12.
Carpenter, Walter E., West Caldwell, and C. Wiener, Bloomfield, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Glow switch. 2,502,203, Mar. 28.
Carpenter, Warren W., Garden City, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Record scanner with means to prevent false operation. 2,496,150, Jan. 31.
Carpentier, Edmond E., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Negative feedback amplifier circuit. 2,510,683, June 6.
Carpentier, Edmond E., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Phase-inverter amplifier. 2,528,484, Nov. 7.
Carpentier, Pascal J., Paris, France. Producing cellular rubber. 2,524,039, Oct. 3.
Carper, Earl W., Parkersburg, W. Va. Device for stacking and wrapping coins. 2,532,603, Dec. 5.
Carper, Glen O., Charleston, W. Va. Screen fastener. 2,508,662, May 23.
Carpigiani, Poerio, Bologna, Italy. Mixing and scraping machine, especially adapted for use as ice-cream freezers. 2,519,543, Aug. 22.
Carpinella, Michael J.: *See*—
Janes, Edmund D., and Carpinella.
Carr, Adams & Collier Company, assignee: *See*—
Bissell, Frederick E., Jr., and Claussen.
Carr, Charles J., Long Beach, Calif. Crosshead connection for slush pumps. 2,510,377, June 6.
Carr, Charles W.: *See*—
Sollner, Karl, Carr, and Gregor.
Carr, Earl W., Pulaski, N. Y. Tractor tire chain. 2,510,682, June 6.
Carr, Edward L., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Preparing stannous catecholates. 2,514,180, July 4.
Carr, George E., Monongahela, Pa.; V. Carr, administratrix of said G. E. Carr, deceased, assignor to V. V. Carr, Princeton, W. Va. Display pedestal. 2,495,315, Jan. 24.
Carr, George W., Chicago, Ill. Door. 2,532,758, Dec. 5.
Carr, James D., Harvey, Ill. Illuminated electromagnetic valve keeper tool. 2,515,292, July 18.
Carr, Jesse C., assignee: *See*—
Ledbetter, Tracy Z.
Carr, Jesse R. Anchorage, Territory of Alaska. Landing ski. 2,492,965, Jan. 3.
Carr, Joseph T., Moselle, Miss. Suturing means. 2,523,812, Sept. 26.
Carr, Ralph L., Jackson Heights, N. Y., assignor to Mathieson Chemical Corporation. Bleaching of cellulosic textiles. 2,521,340, Sept. 5.
Carr, Roy E.: *See*—
Harris, R. A. and E. W., and Carr.
Carr, Verda V., assignee: *See*—
Carr, George E.
Carr, William H., Jr., Washington, D. C. Film tank agitator. 2,493,441, Jan. 3.
Carraher, Vincent F., Rossmoyne, assignor to Cincinnati Metalcrafts, Inc., Cincinnati, Ohio. Laminated wheel and manufacturing same. 2,516,365, July 25.
Carraway, William M., Norfolk, Va. Cylinder head assembly. 2,519,110, Aug. 15.
Carreau, Henry C., Venice, Calif. Door securer. 2,516,183, July 25.
Carrell, John E., Alexandria, Va. Safety device. 2,502,420, Apr. 4.
Carrell, Ross M., assignee: *See*—
Himmel, Loran B., and Bush.
Carreras Limited, assignee: *See*—
Baron, Theodore, and Weinberger.
Carrette, Maurice, assignor of one-half to Societe Le Blan & Cie, Lille, France. Stop mechanism for fly frames. 2,500,343, Mar. 14.
Carrette, Maurice, Lille, France., assignor to Luwa A.-G., Zurich, Switzerland. Stop mechanism for spinning frames. 2,533,310, Dec. 12.
Carrie, Thomas G., Montreal, Quebec, Canada. Two-cycle scavenging engine. 2,497,977, Feb. 21.
Carrier Corporation, assignee: *See*—
Ashley, Carlyle M.
Berestneff, Alexis A.
Bodinus, William S.
Fletcher, James L.
Fletcher, James L., Peglow, and Crider.
Gammill, Oscar E., Jr.
Gerteis, Karl M.
Grant, Walter A.
Hanson, Lars.
James, Paul E.
McGrath, William L.
Reed, Winston H.
Schulz, Edward L., and Bailey.
Swinburne, James.
Wilson, Maurice J.
Woodruff, Henry S.
Carrier, John A.: *See*—
Land, Edwin H., Carbone, and Carrier.
Carrier, Joseph A., assignor to Dominion Textile Company Limited, Montreal, Quebec, Canada. Governor for slasher winding. 2,518,417, Aug. 8.
Carrier, Ralph A., Jr., Gerton, and D. C. Davis, Oteen, assignors to Asheville Mica Company, Asheville, N. C. Punching and die mechanism for the production of mica washers. 2,527,091, Oct. 24.
Carrigan, Tracy, Lansing, Mich., assignor to Food Machinery and Chemical Corporation. Dynamic balance tester. 2,532,056, Nov. 28.
Carrington, Frank G., assignor to M. Kuniansky, Lynchburg, Va. Stiffener for centrifugal molds. 2,500,799, Mar. 14.
Carrington, Frank G., assignor to M. Kuniansky, Lynchburg, Va. Casting annular articles. 2,513,142, June 27.
Carrington, George L., assignee: *See*—
Moreland, William J., Jr.
Carris, Jerry R., Washington, Iowa, assignor of one-half to R. R. Osborn, Chicago, Ill. Tone arm. 2,529,676, Nov. 14.
Carroll, Burt H.: *See*—
Silberstein, Hedwiga R., and Carroll.
Carroll, Burt H., assignor to Eastman Kodak Company, Rochester, N. Y. Supersensitization of meso-aryl carbocyanine dyes. 2,533,427, Dec. 12.
Carroll, Burt H., and J. Spence, assignors to Eastman Kodak Company. Rochester, N. Y. Photographic emulsions sensitized with supersensitizing combinations of acid carbocyanine dyes and styryl bases. 2,533,426, Dec. 12.
Carroll, Charles E., Dayton, Ohio. Man-carrying parachute harness. 2,519,352, Aug. 22.
Carroll, Charles R., Glace Bay, Nova Scotia, Canada. Collapsible toilet seat for beds. 2,521,341, Sept. 5.
Carroll, Ellsworth W., Redwood, assignor to S & W Fine Foods, Inc., San Francisco, Calif. Feed mechanism for fruit orienting and pitting machines. 2,499,266, Feb. 28.
Carroll, Fred M., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Inking device for printing rollers. 2,500,275, Mar. 14.
Carroll, Fred M., Binghamton, and A. F. Smith, Endicott, assignors to International Business Machines Corporation, New York, N. Y. Alphabet printing tabulator with program controls. 2,493,858, Jan. 10.
Carroll, Fred M., Binghamton, and G. E. Mitchell, Endicott, assignors to International Business Machines Corporation, New York, N. Y. Copying process. 2,501,495, Mar. 21.
Carroll, Fred M., Binghamton, and O. L. Hibbard, Johnson City, assignors to International Business Machines Corporation, New York, N. Y. Pneumatic record sensing device. 2,510,552, June 6.
Carroll, Fred M., Binghamton, and O. L. Hibbard, Johnson City, assignors to International Business Machines Corporation, New York, N. Y. Pneumatic sensing device for reading perforated records repetitively. 2,524,029, Oct. 3.
Carroll, Fred M., and J. H. Bakelaar, Binghamton, assignors to International Business Machines Corporation, New York, N. Y. Sheet feeding device. 2,528,420, Oct. 31.
Carroll, Fred M., and J. H. Bakelaar, Binghamton, N. Y., and W. B. Pond, Arcadia, Calif., assignors to International Business Machines Corporation, New York, N. Y. Ledger sheet handling device. 2,528,421, Oct. 31.
Carroll, Glenn H., Overland Park, Kans. Indicator for automobile headlights. 2,506,777, May 9.
Carroll, James M., assignor to Monarch Manufacturing Works, Inc., Philadelphia, Pa. Spraying nozzle. 2,522,928, Sept. 19.
Carroll, James M., assignor to The Monarch Manufacturing Works, Inc., Philadelphia, Pa. Oil burner. 2,531,027, Nov. 21.
Carroll, John D., Berlin, assignor to The Stanley Works, New Britain, Conn. Door catch. 2,526,539, Oct. 17.
Carroll, John D., Kensington, assignor to The Stanley Works, New Britain, Conn. Template for marking the location of latch boreholes. 2,511,461, June 13.

Carroll, Joseph P., Maplewood, N. J., assignor to American Can Company, New York, N. Y. Container. 2,524,766, Oct. 10.
Carroll, Regis T., Coraopolis, Pa. Drilling machine. 2,519,437, Aug. 22.
Carroll, Robert C.: *See*—
Farmer, James O., Carroll, and Tillery.
Carroll, Thomas, assignor to Massey-Harris Co. Ltd., Toronto, Ontario, Canada. Floating auger conveyer for grain cutters. 2,518,521, Aug. 15.
Carroll, Thomas E.: *See*—
Hilliard, Mack C., and Carroll.
Carroll, William D.: *See*—
Gartrell, Robert D., Carroll, and Hansen.
Carron, William W., Chicago, Ill. Air vent valve. 2,529,834, Nov. 14.
Carski, Theodore J.: *See*—
Brewer, John H., and Carski.
Carski, Theodore J., assignor to Baltimore Biological Laboratory, Baltimore, Md. Ampoule holding rack. 2,532,604, Dec. 5.
Carson, Arthur, Richmond, and K. M. Gassman, Lynchburg, Va., assignors to American Telephone and Telegraph Company. Coin control device for telephone coin collectors. 2,509,477, May 30.
Carson, Arthur, and E. T. Cronk, Richmond, Va., assignors to American Telephone and Telegraph Company. Digit absorbing selector. 2,513,400, July 4.
Carson, Arthur W., Dayton, Wash. Screw retaining screw driver. 2,523,557, Sept. 26.
Carson, Beatrice, Washington, D. C. Bath tub brush. 2,514,743, July 11.
Carson, Benjamin R., Haddonfield, N. J., assignor to Radio Corporation of America. Phonograph turntable spindle. 2,501,312, Mar. 21.
Carson, Benjamin R., Haddonfield, N. J., assignor to Radio Corporation of America. Phonograph turntable spindle. 2,517,630, Aug. 8.
Carson, Boyce G.: *See*—
Kvalnes, Donovan E., and Carson.
Carson, Boyce G., Mission, Kans., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Monazo dye. 2,535,121, Dec. 26.
Carson, Casimir, Dearborn, Mich. Calculating board. 2,530,423, Nov. 21.
Carson, Clarence M., Cuyahoga Falls, assignor to Wingfoot Corporation, Akron, Ohio. Adhesive. 2,496,934, Feb. 7.
Carson, Clarence M., Cuyahoga Falls, assignor to Wingfoot Corporation, Akron, Ohio. Adhesive-laminated rubber-hydrochloride and regenerated-cellulose sheet. 2,517,764, Aug. 8.
Carson, Clarence M., Silver Lake, assignor to Wingfoot Corporation, Akron, Ohio. Packaging. 2,525,649, Oct. 10.
Carson, Frank L., Hollywood, Calif. Reel and holder for drain cleaner snakes. 2504,391, Apr. 18.
Carson, Gordon B., assignor to Selby Shoe Company, Portsmouth, Ohio. Shoe conveyer. 2,512,574, June 20.
Carson, Harley W., Caprock, N. Mex. Protective cover for magnetos. 2,527,704, Oct. 31.
Carson, Howard: *See*—
Geyer, Howard M., and Carson.
MacNeil, Charles S. J., Haines, Moore, and Carson.
MacNeil, Charles S. J., Haines, Moore, Mack, and Carson.
Carson, John F., Berkeley, Calif., assignor to the United States of America as represented by the Secretary of Agriculture. Polygalacturonide alkylamides. 2,520,123, Aug. 29.
Carson, John F., and J. C. Lewis, Berkeley, Calif., assignors to the United States of America as represented by the Secretary of Agriculture. Methyl esters of subtilin. 2,520,908, Sept. 5.
Carson, Lawrence E., Alhambra, Calif. Fastener. 2,514,692, July 11.
Carson, Roy, Holliday, Tex. Pipe spinner. 2,523,193, Sept. 19.
Carswell, Thomas S., Seattle, Wash., assignor to Monsanto Chemical Company, St. Louis, Mo. Curing butadiene copolymers. 2,500,517, Mar. 14.
Carswell, Thomas S., Seattle, Wash., assignor to Monsanto Chemical Company, St. Louis, Mo. Aldehyde reaction products of copolymers of vinyl esters of hydroxy acids and acrylic esters. 2,501,990, Mar. 28.
Carta, Virgilio, Rome, Italy. Safety lock for elevator doors. 2,521,965, Sept. 12.
Carter, Alfred R., assignor of one-third to R. Montalvo and one-third to G. J. Tallaksen, Brooklyn, N. Y. Utility rack. 2,515,293, July 18.
Carter, Arthur F.: *See*—
Bellow, Abraham, and Carter.
Carter, Austin G., Swansea, Wales, assignor to American Magnesium Metals Corporation, Pittsburgh, Pa. Producing hydrogen by converting carbon monoxide with steam. 2,517,177, Aug. 1.
Carter, Austin S., Chelan, Wash. Foldable boat. 2,533,220, Dec. 12.
Carter, Bernard M., Montclair, N. J., assignor to Allied Chemical & Dye Corporation. Production of dry sulfur trioxide. 2,520,454, Aug. 29.
Carter Carburetor Corporation, assignee: *See*—
Boller, Henry A.
Boyce, Leonard D.
Carlson, Harold A.
Carlson, Harold A., and Grilleaux.
Clanahan, Sim V.
Edelen, James L.
Everest, George H.
Henning, Otto.
Hodges, Ralph, and Klasey.
Klasey, John H., Wiegner, and Barnes.
Kommer, Fred A.
Korte, Alfred C.
Korte, Alfred C., and Szwargulski.
Kruszynski, Edward A., and Smith.
Magowan, Thomas R.
Moseley, James T. W.
Read, Leland B.
Carter, Charles: *See*—
Hirsh, Benjamin W., and Carter.
Carter, Charles G., Caracas, Venezuela. Musical saw. 2,510,957, June 13.
Carter, Clarence F., Danville, Ill. Vacuum head for filling containers with powders. 2,513,143, June 27.
Carter, Eddie E., Rochester, N. Y. Repeating air gun. 2,528,495, Nov. 7.
Carter, Edward J., New York, N. Y., assignor to William M. Scholl, Chicago, Ill. Coating and laminating apparatus. 2,525,863, Oct. 17.
Carter, Edward J., New York, N. Y., assignor to W. M. Scholl, Chicago, Ill. Making adhesive tape. 2,525,864, Oct. 17.
Carter, Emory, assignee: *See*—
Mathewson, Clarke, and Carter.
Carter, Franklyn Y., Dearborn, assignor to Detroit Lubricator Company, Detroit, Mich. Flow restricting device. 2,508,224, May 16.
Carter, Franklin Y., Dearborn, assignor to Detroit Lubricator Company, Detroit, Mich. Refrigeration expansion valve. 2,511,565, June 13.
Carter, George I., Longmeadow, assignor to Harvey-Whipple, Incorporated, Springfield, Mass. Oil burner apparatus. 2,500,344, Mar. 14.
Carter, Gerald D.: *See*—
McMillan, Andrew, Viall, Miller, and Carter.
Carter, Harry W., North East, Pa. Cigarette making device. 2,496,375, Feb. 7.
Carter, Haskell C., assignor to Iron Fireman Manufacturing Company, Portland, Oreg. Worm welding device. 2,504,921, Apr. 18
Carter, Hazel, administrator: *See*—
Carter, Raymond.
Carter, James A., Meigs, Ga. Divided starting tray retort burner. 2,508,813, May 23.
Carter, James H., Harrisonburg, Va., and A. H. Daane, Ames, Iowa, assignors to the United States of America as represented by the United States Atomic Energy Commission. Forming uranium carbon alloys. 2,526,805, Oct. 24.
Carter, John E., Columbus, Ohio. Sealed joint for concrete slab road pavements. 2,508,443, May 23.
Carter, Lawrence W., New York, J. G. Hendricks and D. S. Bolley, Brooklyn, assignors to National Lead Company, New York, N. Y. Elastomer reinforced with a modified clay. 2,531,396, Nov. 28.
Carter, Leslie F., Leonia, N. J., assignor to The Sperry Corporation. Gyrocompass. 2,510,068, June 6.
Carter Motor Company, assignee: *See*—
Bertschi, Jacob.
Carter, Norman, Desborough, near Kettering, England. Ventilated cardboard carton. 2,532,085, Nov. 28.
Carter, Philip S., Port Jefferson, N. Y., assignor to Radio Corporation of America. Band-pass filter. 2,532,993, Dec. 5.
Carter Products Corporation, assignee: *See*—
Prendergast, Walter S.
Carter, Ralph B., Jr., Maywood, assignor to Ralph B. Carter Company, Hackensack, N. J. Flocculation and mixing apparatus. 2,499,816, Mar. 7.
Carter, Ralph B., Company, assignee: *See*—
Carter, Ralph B., Jr.
Kiekhoefel, Fred G., and Nemecsek.
Carter, Ralph E.: *See*—
Hewett, Philip S., and Carter.
Carter, Raymond, deceased, Wyoming, Ill., H. and R. H. Carter, administrators of said R. Carter. Mowing machine. 2,529,328, Nov. 7.
Carter, Raymond H., administrator: *See*—
Carter, Raymond.
Carter, Raymond S., Cuyahoga Falls, and E. G. Kimmich, assignors to Wingfoot Corporation, Akron, Ohio. Apparatus for manufacturing endless belts. 2,510,553, June 6.
Carter, Richard H., Bridgeport, assignor to United Aircraft Corporation, East Hartford, Conn. Angular accelerometer. 2,505,636, Apr. 25.
Carter, Richard H., Bridgeport, assignor to United Aircraft Corporation, East Hartford, Conn. Pressure measuring device. 2,509,421, May 30.
Carter, Robert W., assignee: *See*—
Berg, Louis B.
Berg, Louis B., and Martin.
Wittliff, Herman A., Jr.
Carter, Roy E., Warren, Ohio. Annealing apparatus. 2,499,846, Mar. 7.

Carter, Samuel C., Glendale, Calif. Joint construction. 2,501,313. Mar. 21.
Carter, Samuel C., Glendale, Calif. Packing gland. 2,504,496, Apr. 18.
Carter, Sidney T., assignor to Economic Machinery Company, Worcester, Mass. Label affixing machine. 2,495,207, Jan. 24.
Carter, Sidney T., assignor to Economic Machinery Company, Worcester, Mass. Label transfer means for labeling machines. 2,503,799, Apr. 11.
Carter, Sidney T., assignor to Economic Machinery Company, Worcester, Mass. Conveyer mechanism for distributing articles to machines. 2,503,864, Apr. 11.
Carter, Sidney T., assignor to Economic Machinery Company, Worcester, Mass. Transferring labels from a supply to an article to be labeled. 2,521,827, Sept. 12.
Carter, Sidney T., assignor to Economic Machinery Company, Worcester, Mass. Picker control for label-applying machines. 2,528,944, Nov. 7.
Carter, Thomas N.: *See*—
Scheuermann, Joseph S., and Carter.
Carter, Thomas S., Euclid, Ohio. Telescoping clothes prop. 2,504,392, Apr. 18.
Carter, Walter, Honolulu, Territory of Hawaii, dedicated to the People of the United States of America. Soil fumigant comprising 1,3-dichloropropene and 1,2-dichloropropane. 2,502,244, Mar. 28.
Carter, William, and W. T. Clarke, New Bedford, Mass. Holding device. 2,500,116, Mar. 7.
Carter, William, Company, The, assignee: *See*—
Ryan, Harriet R.
Carter's Ink Company, The, assignee: *See*—
Kendrick, Laurence W.
Cartier, Harold E., White Bear Lake, Minn. Rectifier. 2,522,929, Sept. 19.
Cartlidge, Alfred E., Wokingham, England. Metal shearing machine and the like. 2,509,479, May 30.
Cartlidge, Frank, assignor to Goodman Manufacturing Company, Chicago, Ill. Tensioning device for articulating conveyers. 2,506,579, May 9.
Cartlidge, Frank, assignor to Goodman Manufacturing Company, Chicago, Ill. Material gathering and loading machine. 2,510,069, June 6.
Cartlidge, Frank, assignor to Goodman Manufacturing Company, Chicago, Ill. Articulated conveyer. 2,512,610, June 27.
Cartotto, Edward, assignor to Illinois Testing Laboratories, Inc., Chicago, Ill. Saturable reactor controlling circuits. 2,518,865, Aug. 15.
Cartoux, Henri G. M., Chedde, assignor to Compagnie de Produits Chimiques et Electrometallurgiques Alais, Froges et Camargue, Paris, France. Expansion sealing joint for rotary furnaces. 2,521,342, Sept. 5.
Cartoux, Henri G. M., Chedde, assignor to Compagnie de Produits Chimiques et Electrometallurgiques, Alais, Froges et Camargue, Paris, France. Electric tilting furnace. 2,527,914, Oct. 31.
Cartter, William G., Monrovia, Calif., assignor to Affiliated Gas Equipment Co., Cleveland, Ohio. Fuel burning space heater with reflector means. 2,514,372, July 11.
Cartun, Paul O., Cleveland Heights, Ohio, assignor to General Electric Company. Making glass-to-metal seals. 2,522,990, Sept. 19.
Cartwright, Jack, Pencoed, near Bridgend, assignor to Low Temperature Carbonisation Limited, London, England. Tunnel oven for thermolytic distillation. 2,526,459, Oct. 17.
Cartwright, Leonard C., New York, N. Y., assignor to Foster D. Snell, Inc. Insecticidal composition. 2,497,294, Feb. 14.
Cartwright, Leonard C., New York, N. Y., assignor to Foster D. Snell, Inc. Reversible humidity indicator. 2,504,299, Apr. 18.
Cartwright, Leonard C., assignor to W. B. Birnkrant, New York, N. Y. Sterilizing apparatus and method. 2,501,496, Mar. 21.
Cartwright, Robert B., Peoria, Ill. Container. 2,501,842, Mar. 28.
Cartwright, Victor H., Dunlap, Ill. Lifting fork with gripping means. 2,530,375, Nov. 21.
Caruolo, Armand G., Providence, R. I. Fuel oil tank intake box. 2,533,766, Dec. 12.
Carus Chemical Company, assignee: *See*—
Jaskowiak, Theodore.
Caruso, Mario, Maplewood, assignor to C-Eight Laboratories, Newark, N. J. Article dispenser. 2,496,443, Feb. 7.
Caruso, Mario, Maplewood, assignor to C-Eight Laboratories, Newark, N. J. Article selector and price-setting unit. 2,529,374, Nov. 7.
Carvajal, Roberto, and J. J. Quiroga, Sewell, Chile, assignors to Kennecott Copper Corporation, New York, N. Y. Froth flotation of sulfide ores. 2,512,715, June 27.
Carver, Claude D., Brooklyn, N. Y. Structure of window shades. 2,509,033, May 23.
Carver, Emmett K., assignor to Eastman Kodak Company, Rochester, N. Y. Surge chamber. 2,530,190, Nov. 14.
Carver, Horace N., Wichita, Kans. Signaling device. 2,520,236, Aug. 26.
Carver, Richard N.: *See*—
Lohr, Raymond J., and Carver.
Carver, Richard N., Erie, Pa., assignor to Louis Marx & Company, Inc., New York, N. Y. Catapult propelled vehicle toy. 2,517,084, Aug. 1.
Carville, Theodore E. M., Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Ventilation of dynamoelectric machines. 2,508,144, May 16.
Carwithen, Howard, New York, N. Y. Clothesline bracket. 2,517,533, Aug. 8.
Cary, Francis C.: *See*—
Hubinette, Sven E., and Cary.
Cary, Henry H., Alhambra, and K. P. George, assignors to National Technical Laboratories, South Pasadena, Calif. Optical absorption cell. 2,496,333, Feb. 7.
Casablancas High Draft Company Limited, assignee: *See*—
Noguera, Joseph.
Casabona, Anthony M., Hawthorne, assignor to International Standard Electric Corporation, New York, N. Y. Directional radio receiver. 2,512,611, June 27.
Casada, Alvin M.: *See*—
Hughes, Thomas R., and Casada.
Casagrande, Anthony J., Schenectady, N. Y., assignor to General Electric Company. Slitting machine. 2,506,343, May 2.
Casanova, Louis A., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Vapor electric device. 2,515,985, July 18.
Casanova, Louis A., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Vapor electric device. 2,534,899, Dec. 19.
Casassa, Edward F., Buffalo, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of polyethylene terephthalate. 2,518,283, Aug. 8.
Casciani, Ferri, Lewiston, and G. K. Storin, Niagara Falls, assignors to Niagara Alkali Company, New York, N. Y. Bleaching pulp. 2,494,542, Jan. 17.
Casco Products Corporation, assignee: *See*—
Allenby, William F.
Cone, Joseph H.
Lockwood, Edwin H.
Thibault, Joseph.
Youhouse, Joseph.
Case, Burgess C.: *See*—
Lindstrom, John, and Case.
Case Company, assignee: *See*—
Case, Leslie C.
Case, J. I., Company, assignee: *See*—
Aber, Homer B.
Dwyer, William J.
Evans, Russell T., and Clasen.
Geraldson, Gerald.
Hansen, Charles W.
Hansen, Charles W., and Kranick.
Hedquist, Milton T.
Heth, Sherman C.
Heth, Sherman C., and Tallman.
Jackson, Melvin F.
Kranick, Frank N. G.
Krause, Norman R.
Krause, Norman R., and Hensen.
Markel, John M.
Russell, Stanley D.
Schoenrock, Otto R.
Schroeppel, Paul R.
Tallman, William B.
Case, James W., Fairfax, Va. Automatic space drier. 2,506,578, May 9.
Case, John C., and L. S. Meyer assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Corrugating mold. 2,494,642, Jan. 17.
Case, Leslie C., Los Angeles, Calif., assignor to Case Company. Guiding objects through dispensing machines. 2,511,099, June 13.
Case, Martin M., Roanoke Rapids, N. C. Multiple block mold. 2,522,603, Sept. 19.
Case, Nelson P., Oak Park, Ill., assignor to The Halicrafters Co. Motor tuning system for receiving systems. 2,529,677, Nov. 14.
Case, Richard Y., Philadelphia, Pa., assignor to United States Rubber Company, New York, N. Y. Transmission belt and drive. 2,507,852, May 16.
Case, Rogers, assignor to Transandean Associates, Inc., Orange, N. J. Insulator support. 2,500,928, Mar. 21.
Case, Rogers, Orange, N. J., assignor to Transandean Associates, Inc New York, N. Y. Insulator pin. 2,500,927, Mar. 21.
Cass, William E., Schenectady, N. Y., assignor to General Electric Company. Vinyl 2,3,4,5-tetrachlorobenzoate and polymers therefrom. 2,524,513, Oct. 3.
Case, William S., Ardmore, Okla. Connector unit for tie rod ends. 2,502,925, Apr. 4.
Casella, Secondo L., R. Kurzweil, and J. J. Pesqueira, assignors to Morey Machinery Co., Inc., New York, N. Y. Machine tool. 2,493,475, Jan. 3.
Caserta, Michele, Detroit, Mich. Valve. 2,501,121, Mar. 21.
Caserta, Michele, Lake Orion, Mich. Retainer spring clip. 2,522,991, Sept. 19.
Casetta, Lee W., Fond du Lac, Wis. Condenser for refrigerators. 2,521,040, Sept. 5.
Casey, John B., Milwaukee, Wis. Battery cable terminal. 2,493,389, Jan. 3.
Casey, Joseph J., assignee: *See*—
Fraser, William A., and Williams.

Casey, Patrick J., Washington, D. C. Page end locking device for typewriter platens. 2,515,694, July 18.
Casey, Taggart, New York, N. Y. Adjustable garment hanger. 2,531,108, Nov. 21.
Casey, Walter L., Jr., Bonners Ferry, Idaho. Article handler. 2,493,108, Jan. 3.
Cash, A. W., Company, assignee: *See*— Temple, Paul C.
Cashin, Frank J., Hanover, Pa., assignor by, mesne assignments, to De Florez Engineering Company, Incorporated. Disk blade for trimming book blocks. 2,531,841, Nov. 28.
Cashiopp, Thomas, Glendale, N. Y. Stand for musical instruments. 2,522,345, Sept. 12.
Cashman, Aloysius F.: *See*— Lieber, Eugene, and Cashman.
Cashman, Edward P.: *See*— Dean, Raymond M., and Cashman. Lieber, Eugene, and Cashman. Symers, William H., and Cashman.
Cashman, Robert J., Glenview, Ill., assignor, by mesne assignments, to Research Corporation, New York, N. Y. Ruling device. 2,504,300, Apr. 18.
Cashwell, George W., Elizabethtown, N. C. Automatic intermittent feed-and-cut swing frame wood saw. 2,497,488, Feb. 14.
Casimir, Hendrik B. G. Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electric device for the operation of X-ray tubes. 2,525,205, Oct. 10.
Casler, Adrien F.: *See*— Spicer, Curtis D., and Casler.
Casler, Roger H., Oakville, Conn., assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio. Valve mechanism. 2,493,442, Jan. 3.
Caspé, Joseph, Newark, N. J., assignor to American Cyanamid Company, New York, N. Y. Treatment of woolen pile fabrics. 2,501,435, Mar. 21.
Casperson, Charles M., Erie, Mich. Weather strip. 2,496,084, Jan. 31.
Cass, Bertha, Brooklyn, N. Y. Combination girdle and panty. 2,506,488, May 2.
Cass, Oliver W., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. 3 chloro, 2, 2 dimethyl propylamine and preparing. 2,499,847, Mar. 7.
Cass, Oliver W., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Dehydrogenation of polychloroethanes by means of carbon tetrachloride. 2,525,589, Oct. 10.
Cass Products Company, assignee: *See*— Weiffenbach, Everell C.
Cassaday, Jack T., and E. I. Hoegberg, Stamford, and B. D. Gleissner, Riverside, Conn., assignors to American Cyanamid Company, New York, N. Y. Carbamylalkyl phosphates and preparation. 2,494,283, Jan. 10.
Cassaday, Jack T., and E. I. Hoegberg, Stamford, and B. D. Gleissner, Riverside, Conn., assignors to American Cyanamid Company, New York, N. Y. Cyanoalkyl phosphates and preparation. 2,494,284, Jan. 10.
Cassady, Emil V., Maywood, Ill., assignor to American Can Company, New York, N. Y. Can closing machine. 2,519,353, Aug. 22.
Cassato, Sam V., Chicago, Ill. Drum support. 2,505,882, May 2.
Cassé, Marcel, Essonnes, France. Roller felting machine. 2,506,855, May 9.
Cassé, Marcel, Essonnes, France. Machine for the liquid treatment of textile materials. 2,529,001, Nov. 7.
Cassel, Norman S., Ridgewood, and A. T. Clifford, Fair Lawn, N. J., assignors to Interchemical Corporation, New York, N. Y. Pad-dyeing. 2,515,170, July 18.
Cassel, Norman S., Ridgewood, and A. T. Clifford, Fair Lawn, N. J., assignors to Interchemical Corporation, New York, N. Y. Textile decorating. 2,527,530, Oct. 31.
Casselle, Leonard C., Thame, England. Method of and apparatus for producing flattened glass tubing. 2,529,678, Nov. 14.
Cassidy, Clifford D., Bridgeport, Conn., assignor to The Bullard Company. Chuck. 2,514,472, July 11.
Cassidy, William M., Madison, Maine. Jar sealer. 2,493,225, Jan. 3.
Cassin, Anthony F., assignor to Auto City Plating Co., Detroit, Mich. Washing and cleaning engine cylinders. 2,504,301, Apr. 18.
Cassity, Melvin L., Belton, S. C. Protractor attachment for carpenters' squares. 2,499,721, Mar. 7.
Cassman, Harry, Harlington, assignor to Electric and Musical Industries Limited, Middlesex, England. Mosaic screen for cathode-ray tubes. 2,507,958, May 16.
Cassman, Harry, Harlington, assignor to Electric & Musical Industries Limited, Hayes, England. Method and structure for processing an electron discharge device. 2,508,856, May 23.
Cast, Don T., Columbus, Ohio. Car top sleeping compartment. 2,530,450, Nov. 21.
Castaloy Corporation, assignee: *See*— Goldston, Joseph E.
Castberg, Thomas: *See*— Campodonico, John J., and Castberg.
Castedello, William: *See*— Schwartz, Morris, and Castedello.
Castedello, William, and W. G. Lohmeyer, Jr., assignors to The Kalart Company Inc., Stamford, Conn. Lock for detachable strap handles. 2,534,810, Dec. 19.
Castell, Agustín M., assignor to C. A. Constant Card, Barcelona, Spain. Continuous vacuum cleaner for carding engines. 2,507,141, May 9.
Castellano, Joseph P., Brooklyn, assignor to Norman Nelson Corp., New York, N. Y. Switch for flash attachments. 2,495,443, Jan. 24.
Castelli, Xavier F., assignor to Cri-Dan Societe a Responsabilite limitee, Paris, France. Adjusting device for the transverse movements of a parallel lathe tool, more particularly for thread-cutting. 2,527,397, Oct. 24.
Caster, Wrex G., Horse Creek, Wyo. Adjustable peep sight. 2,511,245, June 13.
Castillon, Guillermo L., San Antonio, Tex. Illuminated changeable sign device. 2,530,044, Nov. 14.
Castle, Alfred J., Chicago, Ill., assignor to Inland Steel Company. Annealing furnace. 2,509,209, May 30.
Castle, Clemens X., Silver Spring, Md., assignor to R. M. Wilmotte, New York, N. Y. Phase monitor. 2,532,890, Dec. 5.
Castle, Francis J., and R. E. Beal, Peoria, Ill., assignors to the United States of America as represented by the Secretary of Agriculture. Vacuum distillation. 2,530,376, Nov. 21.
Castle, John B., Los Angeles, Calif., assignor to Douglas Aircraft Company, Inc. Aircraft door. 2,498,527, Feb. 21.
Castle, John E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Aliphatic-cyano-azo compounds. 2,515,628, July 18.
Castle, John E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. 1,6 hexanediamine derivatives. 2,532,277, Dec. 5.
Castle, Russell S.: *See*— Raymond, Earl, and Castle.
Castleberry, Columbus H., Jackson, Mich. Lower margin stop mechanism for typewriters. 2,511,045, June 13.
Castleberry, Jack, Jasper, Ala. Automobile axle. 2,532,605, Dec. 5.
Castleberry, Porter, assignee: *See*— Huheey, George M., and Whitacre.
Castner, George P., Webster City, Iowa, assignor to Solar Corporation, Milwaukee, Wis. Washing machine agitator. 2,502,702, Apr. 4.
Castner, George P., Webster City, Iowa, and A. D. Lund, Hennepin County, Minn., assignors to Solar Corporation, Milwaukee, Wis. Washing machine with centrifugal extractor and stabilizer therefor. 2,513,844, July 4.
Castner, George P., Webster City, Iowa, assignor to Solar Corporation, Milwaukee, Wis. Rotary fluid coupling. 2,513,845, July 4.
Castner, William A., Washington, assignor to Measurements Corporation, Boonton, N. J. Permanent magnet meter with electrodynamic field control. 2,502,369, Mar. 28.
Caston, Charles W., United States Army, San Antonio, Tex. Endless band abrading device. 2,518,448, Aug. 15.
Caston, Donald L., Seattle, Wash. Combination chair and table. 2,503,543, Apr. 11.
Caston, Henry E., Akron, Ohio. Apparatus for grinding arcuate or annular work. 2,515,695, July 18.
Castongay, Joseph A. H., North Andover, Mass. Combined chain mounting and anti-skid device for automobiles. 2,511,527, June 13.
Castor, Thomas D., W. A. Dillman, W. B. Fehring, and C. H. Strandberg, Seattle, Wash., assignors to Boeing Airplane Company. Coordinated bomb release means. 2,507,767, May 16.
Castricone, John A., assignor to Altorfer Bros. Company, Peoria, Ill. Clothes-washing machine. 2,535,390, Dec. 26.
Castro, Arturo, Los Angeles, Calif. Automobile lights alarm. 2,507,398, May 9.
Caswell, Arthur S., assignor to I. T. E. Circuit Breaker Company, Philadelphia, Pa. Broken back circuit breaker contact. 2,514,839, July 11.
Caswell, Edgar F., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Induction heater. 2,524,514, Oct. 3.
Catalano, Frank P., J. P., and P. P., assignors to Panepinto Mfg. Corp., North Collins, N. Y. Smoking pipe. 2,528,858, Nov. 7.
Catalano, Joseph P.: *See*— Catalano, Frank P., J. P., and P. P.
Catalano, Peter P.: *See*— Catalano, Frank P., J. P., and P. P.
Cataldo, John B.: *See*— O'Brien, Joseph F., and Cataldo.
Cataldo, John B., and F. J. Dolan, Annandale, N. J., assignors to John B. Pierce Foundation, New York, N. Y. Cutting tool for insulation. 2,521,688, Sept. 12.
Cataldo, John B., Annandale, and K. E. Vroom, Summit, N. J., assignors to John B. Pierce Foundation, New York, N. Y. Double-acting solenoid. 2,533,187, Dec. 5.
Catalin Corporation of American, assignee: *See*— Davies, Richard E., and Esterly.
Catalyst Research Corporation, assignee: *See*— Bennett, Owen G.
Cataphote Corporation, assignee: *See*— Walner, Eugene.

Caterpillar Tractor Co., assignee: *See*—
Barnes, Randolph C.
Benner, Paul B.
Bentz, Erwin J., and Fleck.
Bridwell, John W., Jass, and Wood.
Bridwell, John W., Roman, and Holden.
Burks, George E., Bridwell, Lundberg, and Sieving.
Burks, George E., and Sheusner.
Coker, Morton M.
Davies, James M., and Deffenbaugh.
Davies, James M., Mogk, and Williams.
Fleck, Kenneth J.
Gustafson, Carl A.
Johnson, Lloyd E.
Mogk, Karl J.
Norris, Fred H.

Cates, Julius, Wembley, England, assignor to General Electric Company. Circuits for electric discharge lamps. 2,494,860, Jan. 17.

Cates, Martin L., Jr., Bakersfield, Calif. Lint trap. 2,527,531, Oct. 31.

Cates, Waldo S., and C. W. Hammond, U. S. Navy. Visual homing indicator. 2,500,151, Mar. 14.

Cathala, Joseph, Toulouse, France. Manufacture of sulfur trioxide. 2,510,684, June 6.

Cathey, William B., Anderson, S. C. Adjustable bobbin and battery holder. 2,513,001, June 27.

Catlin, John P., Fairfield, assignor to Remington Arms Company, Inc., Bridgeport, Conn. Igniter. 2,508,444, May 23.

Catlin, Robert T., Stratford, assignor to Remington Arms Company, Inc., Bridgeport, Conn. Ammunition. 2,522,208, Sept. 12.

Catlin, Robert T., Stratford, and G. R. Eckstein, Milford, assignors to Remington Arms Company, Inc., Bridgeport, Conn. Metal drawing stripper. 2,528,577, Nov. 7.

Catlin, Willard E., and B. W. Howk, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Esters of 3,5,5-trimethyl-1-hexanol. 2,499,848, Mar. 7.

Caton, Milton W., East Detroit, Mich., assignor to Champion Spark Plug Company, Toledo, Ohio. Sagger and batch for making the same. 2,531,397, Nov. 28.

Cattonar, John, Jamaica, and G. Olm, Astoria, assignors to Edward Ermold Company, New York, N. Y. Bottle packaging machine. 2,524,880, Oct. 10.

Catozella, Romeo A., Brooklyn, assignor to Snyder & Black, New York, N. Y. Cross display card. 2,501,314, Mar. 21.

Catranis, John G., Syracuse, N. Y. Artificial leg (diaphragm knee lock control). 2,530,285, Nov. 14.

Catranis, John G., Syracuse, N. Y. Foot control for artificial legs. 2,530,286, Nov. 14.

Catterson, Frehn H.: *See*—
Shafor, Ralph W., and Catterson.

Cauchois, André, Lille, France. Bar gripping chuck. 2,501,758, Mar. 28.

Cauble, Raymond R., Indianapolis, Ind. Mower with yieldingly retractable knives. 2,529,797, Nov. 14.

Caudle, Howard P.: *See*—
Eagle, John H., and Caudle.

Caughey, David, deceased, Castleton on Hudson, N. Y.; M. A. Caughey, administratrix of said David Caughey. Vacuum cleaner with dustpan. 2,519,741, Aug. 22.

Caughey, Margaret A., administratrix: *See*—
Caughey, David.

Caughey, Robert A., Wilton, N. H., assignor, by mesne assignments, to The Plaswood Corporation, Detroit, Mich. Preparing a urea formaldehyde cellulosic composition. 2,527,795, Oct. 31.

Caughlan, John A.: *See*—
Homeyer, August H., and Caughlan.

Caughrean, Milo C., San Francisco, Calif. Gear pump. 2,498,790, Feb. 28.

Cauley, Stephen P.: *See*—
Happel, John, and Cauley.

Caulfield, Joseph R., West Norwood, assignor to Champlain Company, Inc., Bloomfield, N. J. Enclosed fountain gravure press. 2,506,011, May 2.

Caumartin, Pierre P., St-Cuthbert, Quebec, Canada. Apparatus for agitating curds. 2,496,001, Jan. 31.

Causer, Herbert W., Weymouth, assignor to Factory Mutual Research Corporation, Boston, Mass. Fog producing spray nozzle. 2,495,208, Jan. 24.

Causley, Silas M.: *See*—
French, Schuyler C., and Causley.

Caute, Louis, Paris, assignor to Societe Anonyme: Appareils & Evaporateurs Kestner, Lille, France. Desulfation of coagulation baths for the spinning of viscose. 2,512,266, June 20.

Cauwenberg, Winfred J.: *See*—
Todd, Seldon P., Myers, and Cauwenberg.

Cauwenberg, Winifred J., Piney River, and C. A. Tanner, Jr., Amherst, Va., assignors to American Cyanamid Company, New York, N. Y. Production of anatese titanium dioxide pigments. 2,516,548, July 25.

Cavalier Cravat Company, assignee: *See*—
Trau, Isidor K.

Cavalieri, Emilio, assignor to S. A. Macchine per l'Industria Dolciaria Carle & Montanari, Milan, Italy. Intermediate-pulverizing and mixing machine for chocolate masses. 2,533,875, Dec. 12.

Cavallier, Jean A., Nancy, assignor to Societe: Pompes Noel, Liverdun (Meurthe-et Moselle), France. Device for manipulating sand and other pulverulent substances. 2,497,295, Feb. 14.

Cavallier, Jean A., Nancy, assignor to Societe: Pompes Noel, Liverdun, France. Casting device for centrifugal casting machines. 2,523,558, Sept. 26.

Cavallin, Edward E., San Diego, Calif. Dimpling tool for aiding in the removal of fasteners. 2,508,373, May 23.

Cavalitto, Chester J.: *See*—
Kirchner, Frederick K., and Cavallito.

Cavallito, Chester J., Ravena, N. Y., assignor to Sterling Drug Inc., Wilmington, Del. Oxo-tetrahydrofuran carboxylic acids. 2,499,986, Mar. 7.

Cavallito, Chester J., and L. D. Small, Albany, N. Y., assignors to Sterling Drug Inc., Wilmington, Del. Hydrocarbon esters of hydrocarbonylthiolsulfinic acids and their preparation. 2,508,745, May 23.

Cavanagh, John F., Providence, R. I., assignor to Masury-Young Company, Charlestown, Mass. Vacuum cleaner. 2,520,877, Aug. 29.

Cavanagh, John F., Providence, R. I., assignor to Speed Products Company, Inc., New York, N. Y. Stapler. 2,520,909, Sept. 5.

Cavanagh, John F., Providence, R. I. Baking unit. 2,520,997, Sept. 5.

Cavenah, David K.: *See*—
Landon, Everett W., and Cavenah.

Caves, Thomas J., Dearborn, Mich. Lawn shears. 2,519,174, Aug. 15.

Caves, Thomas J., Dearborn, Mich. Lawn shears. 2,519,175, Aug. 15.

Caves, Thomas J., Dearborn, Mich. Lawn shears. 2,519,176, Aug. 15.

Cawein, Madison, Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Scanning current generator. 2,495,696, Jan. 31.

Cawein, Madison, Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Television scanning system. 2,510,070, June 6.

Cawein, Madison, and J. D. Schantz, Fort Wayne, Ind., assignors, by mesne assignments, to Farnsworth Research Corporation. Interference transmission system. 2,531,398, Nov. 28.

Cawein, Madison, and H. W. G. Salinger, Fort Wayne, Ind., assignors by, mesne assignments, to Farnsworth Research Corporation. Television projection system and viewing screen. 2,531,399, Nov. 28.

Cawl, Allen P.: *See*—
Hunter, James P., and Cawl.

Cawley, George: *See*—
Brown, Howard M., and Cawley.

Cayce, Ernest D., Santa Barbara, Calif. Toy tractor having improved track guiding means. 2,533,556, Dec. 12.

Cayo, Peter, Iron Mountain, Mich. Clothesline. 2,508,491, May 23.

Čech, Jaroslav, and V. Albrecht, assignors to Bata, narodni podnik, Zlin, Czechoslovakia. Condensing 1,3-dichlorobutene-2 with aromatic hydrocarbons. 2,515,335, July 18.

Cedarberg Manufacturing Company, Inc., assignee: *See*—
Keller, Thomas.

Cederborg, Stig T., Stockholm, Sweden. Swivel joint for arms for electric lights. 2,513,144, June 27.

Cederholm, Carl E.: *See*—
Cederholm, Carl I. and C. E.

Cederholm, Carl I., South Worthington, Mass. Valve construction. 2,494,228, Jan. 10.

Cederholm, Carl I. and C. E., South Worthington, Mass. Grease gun loading device. 2,530,944, Nov. 21.

Cederlund, Albert, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Side slipping weft detector for looms. 2,500,518, Mar. 14.

Cederquist, Karl N., Falun, Sweden, assignor, by mesne assignments, to Mathieson Chemical Corporation. Bleaching cellulosic materials. 2,502,410, Apr. 4.

Cedik, Stanley J.: *See*—
Martinet, Eugene F., and Cedik.

Celanese Corporation of America, assignee: *See*—
Abramson, Chester C.
Allen, Henry H.
Allen, Sidney J., and Drewitt.
Angus, William C., and Wylde.
Baruch, Alan P., and Porzer.
Bate, Stanley C.
Bates, Harold, Fisher, and Wheatley.
Birnbaum, Leo S., Prichard, and Paist.
Blake, John B.
Bludworth, Joseph E., and Kotzebue.
Bludworth, Joseph E., and Meyer.
Crawshaw, Harry.
Croft, Cyril M.
Croft, Cyril M., and Waller.
Daniels, Felix.
Dickie, William A., and Rudorf.
Dodge, Frederick G.
Drewitt, James G. N.
Dreyfus, Camille, and Schwartz.
Dreyfus, Henry.
Elvin, William J., and McLuckie.
Elvin, William J., and Stahl.
Elvin, William J., and Steiding.
Esmond, William G.

Celanese Corporation of America, assignee: *See*—Continued.
Ewing, Henry.
Fallows, Leonard, and Mellers.
Finlayson, Donald, and Cooke.
Finlayson, Donald, and Crawshaw.
Finlayson, Donald, and Hill.
Fisher, James W., and Wheatley.
Fisher, James W., Wheatley, and Bates.
Fisher, James W., Wheatley, and Sheavyn.
Fortess, Fred, and Duke.
Frearson, Thomas, Barnard, and Jackson.
Garis, Gordon O.
Gear, James L.
Groombridge, Walter H.
Hammond, Alan R., John, and Page.
Hindle, Walter H.
Horback, William.
Hunter, William.
Hutson, Canfield, Kidd, and Blair.
Irany, Ernest P., and Geraci.
Irany, Ernest P., and Noether.
Jackson, Thomas.
Jackson, Thomas, and Hill.
Jackson, William W., and Porzer.
Keight, Albert W.
Kotzebue, Meinhard H.
Levers, William H., and Baines.
Lincoln, James.
Lincoln, James, and Drewitt.
Locke, Ronald S., and Daly.
Lomartire, John.
MacLean, Alexander F.
Mansfield, Samuel A., and Bishop.
Mansfield, Samuel A., Taylor, and Smith.
Martin, Mervin E., and Andrews.
Martin, Mervin E., and Kight.
McFarlane, Samuel B., and Lomartire.
McFarlane, Samuel B., and Moos.
McVeigh, William Beggs, and Baines.
Meder, Arthur.
Milbrada, Edward J.
Miller, Samuel A., and Hammond.
Moncrieff, Robert W.
Moss, James C.
Myles, William J., and Prichard.
Noether, Herman D.
Noether, Herman D., and Irany.
Normand, Wilfred T.
Olpin, Henry C., and House.
Olpin, Henry C., and Jackson.
Olpin, Henry C., and Law.
Olpin, Henry C., and Stanley.
Paist, Walter D.
Pool, William and Upton.
Prichard, John H., and Birnbaum.
Robeson, Max O.
Roughsedge, Robert H., and Lustig.
Schneider, George.
Seymour, George W., and Hieserman.
Seymour, George W., and Salvin.
Seymour, George W., Salvin, and Jones.
Seymour, George W., and Ward.
Seymour, George W., Ward, and Hunter.
Seymour, George W., White, and Plunguian.
Shugar, Gershon J.
Sitzler, Richard R., and Balch.
Slocombe, Basil G. B., and Fulton.
Smith, Harry E.
Smith, Leland G.
Soussloff, Dimitri G., and Piperoux.
Steiding, John B.
Sutherland, Frederick F.
Sutherland, Frederick F., and Wilson.
Teeple, John H., and Strickler.
Thompson, Robert F.
Ward, George C., and Haggerty.
Whitehead, William.

Cella, Joseph F., Crestwood, N. Y. Box, crate, or similar receptacle. 2,508,445, May 23.

Cella, William J., Forest Hills, N. Y. Reinforcing means for bottle containing crates. 2,520,998, Sept. 5.

Cella, William J., Forest Hills, N. Y. Box and similar container. 2,532,833, Dec. 5.

Cellon Corporation, assignee: *See*—
Carney, Clifford R.

Cellucord Corporation, The, assignee: *See*—
Kimball, Benjamin M.

Cellulose Development Corporation Limited, assignee: *See*—
Becker, Frederick G. L.

Celluplastic Corporation, assigneee: *See*—
Lermer, Herman B.

Cellwork, William E., Kansas City, assignor to Standard Steel Work, North Kansas City, Mo. Apparatus for dispensing viscose fluids. 2,495,671, Jan. 24.

Celotex Corporation, The, assignee: *See*—
Frederick, Emile, Jr.
Jones, William R.
Muench, Carl G.
Wheeler, Dee G.

Cemenstone Corporation, The assignee: *See*—
Henderson, Albert.

Cenis, Edward F., Spokane, Wash. Knockdown chair. 2,534,413, Dec. 19.

Centofanti, Olin, Paulsboro, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. High and low level alarm system. 2,503,654, Apr. 11.

Centraal Bureau van de Tuinbouwveilingen in Nederland, assignee: *See*—
Vàhl, László, and Jansen.

Central Commercial Company, assignee: *See*—
Oswald, James A.

Central Commercial Industries, Inc., assignee: *See*—
Langer, Nicholas.
Larsen, Merwin J.
Larsen, Merwin J., and Koehl.
Stephens, Elton S.

Central Cranberry Company, assignee: *See*—
Schneider, Joseph F., and Brazeau.

Central Foundry Company, The, assignee: *See*—
Nolan, John J., Jr.

Central Manufacturing Company, assignee: *See*—
Moroney, Raymond A.

Central National Bank of Cleveland, executor: *See*—
Martin, Stoddard B.

Central Scientific Company, assignee: *See*—
Hangosky, Clarence W., and Hornberger.

Central Soya Company, Inc., assignee: *See*—
Gunther, James K., and Sair.
Sair, Louis.
Sair, Louis, and Rathman.

Centre National de la Recherche Scientifique, assignee: *See*—
Felici, Noël.
Gourdon, Robert.
Leroy, Robert P.
Morand, Max.
Ricordel, Auguste L.

Centric Clutch Company, assignee: *See*—
Bruestle, Carl O.

Centrifix Corporation, assignee: *See*—
Wright, Bruce R.

Centrifugal & Mechanical Industries, Inc., assignee: *See*—
Howe, Andrew F.

Century Boat Company, assignee: *See*—
Bills, Clarence H.

Century Engineering Company, assignee: *See*—
Pollock, Latham.

Century Geophysical Corporation, assignee: *See*—
Hendricks, Charles E.
Morrow, George R.
Morrow, Marvin E.

Century Plastic Products, Inc., assignee: *See*—
Rocker, Elmer.

Cerasi, Vincent C., Tuckahoe, N. Y. Waterworks device. 2,530,808, Nov. 21.

Cerf, Gustave D., Livingston, assignor, by mesne assignments, to Thomas A. Edison, Incorporated, West Orange, N. J. Resistor bulb. 2,497,439, Feb. 14.

Cerf, Gustave D., Livingston, assignor, by mesne assignments, to Thomas A. Edison, Incorporated, West Orange, N. J. Magneto. 2,500,345, Mar. 14.

Cerf, Robert C., Jr., assignor to Hollymade Hardware Manufacturing Company, Los Angeles, Calif. Locking cam for spring latch bolts. 2,503,192, Apr. 4.

Cerniak, Henry L., assignor to National Steel Container Corporation, Chicago, Ill. Agitator. 2,530,858, Nov. 21.

Cerniglia, Frank P., Monroe, La. Cone attachment for X-ray machines. 2,509,808, May 30.

Cerny, Joseph A., University Heights, and N. B. Green, Willoughby Township, Lake County, assignors, by mesne assignments, to Affiliated Gas Equipment, Inc., Cleveland, Ohio. Safety control and pilot indicator means for gas burners. 2,516,504, July 25.

Cerny, Joseph J., Chicago, Ill. Electrical resistor and making same. 2,531,321, Nov. 21.

Cerny, Joseph J., Chicago, Ill. Electrical resistor construction. 2,533,876, Dec. 12.

Cerny, Walter J., Los Angeles, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Scuff plate luggage rack. 2,494,690, Jan. 17.

Cerruti, Edward D., Oakland, Calif. Nonspill liquid container. 2,511,493, June 13.

Cerruti, Richard C., Oakland, assignor to California Packing Corporation, San Francisco, Calif. Conveying system. 2,528,114, Oct. 31.

Cervin, Curtis M., Minneapolis, Minn. Fowl-slaughtering knife. 2,512,089, June 20.

Cescato, Bruno: *See*—
Pryor, Joseph M., and Cescato.

Cesen, Frank, Cleveland, Ohio. Traction device for automotive vehicles. 2,496,119, Jan. 31.

Cesena, Genovero S.: *See*—
Callender, William H., and Cesena.

Cessna, Oren C., Ann Arbor, assignor to The Dow Chemical Company, Midland, Mich. Use of mixed vapors to control food sterilization temperature. 2,503,193, Apr. 4.

Certain-teed Products Corporation, assignee: *See*—
Croce, Michele.

Certified Equipment Corp., assignee: *See*—
Andersen, Tengel.

Certified Gas Equipment Company, assignee: *See*—
Pratt, Best.

Cevasco, Edmund D., Akron, Ohio. Infant bath mat. 2,531,724, Nov. 28.

Chaban, Charles J., assignor, by mesne assignments, to Stabelan Chemical Company, Toledo, Ohio. Stabilization of polymers with an inorganic peroxide and an ester of any oxyacid of phosphorus. 2,493,390, Jan. 3.

Chaban, Charles J., assignor by mesne assignments, to Stabelan Chemical Company, Toledo, Ohio. Stabilization of polymeric organic compounds. 2,507,142, May 9.

Chaban, Charles J., assignor to Stabelan Chemical Company, Toledo, Ohio. Stabilization of polymerization products. 2,507,143, May 9.

Chace, Thomas B., Winnetka, assignor to The Dole Valve Company, Chicago, Ill. Fluid control system particularly for use with automatic clothes-washing machines. 2,503,901, Apr. 11.

Chace, Thomas B., Winnetka, assignor to The Dole Valve Company, Chicago, Ill. Fluid control system. 2,506,700, May 9.

Chace, Thomas B., Winnetka, assignor to The Dole Valve Company, Chicago, Ill. Drink dispensing device. 2,508,492, May 23.

Chace, Thomas B., Winnetka, assignor to The Dole Valve Company, Chicago, Ill. Fluid mixing control system. 2,528,422, Oct. 31.

Chace, Thomas B., Winnetka, assignor to The Dole Valve Company, Chicago, Ill. Fluid mixing control system. 2,528,423, Oct. 31.

Chadbourn Hosiery Mills, Incorporated, assignee: *See*— Hutchison, Robert D.

Chadsey, Fred P., Fillmore, Calif. Vacuum jet manifold. 2,520,910, Sept. 5.

Chadwick, Alan, Bramhall, and S. Gair, Mere, England. Forming flexible bodies having decorative patterns thereon from polyvinyl chloride paste. 2,502,926, Apr. 4.

Chadwick, Albert F., Westfield. N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of hydantoin formaldehyde resins. 2,532,278, Dec. 5.

Chadwick, Charles, South Gate, assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif. Pneumatically operated rivet feed. 2,506,994, May 9.

Chadwick, Lee S., Shaker Heights, assignor to Perfection Stove Company, Cleveland, Ohio. Apparatus for producing vaporous ozonides. 2,529,137, Nov. 7.

Chadwick, William R., Standish, Calif. Measuring spoon. 2,521,343, Sept. 5.

Chaffee, Donald L., assignee: *See*— Carlson, John T.

Chaffey, Reginald H., assignor to Vokes Limited, Guilford, England. Filter. 2,510,378, June 6.

Chaffin, Rafe C., Los Angeles, Calif. Apparatus for tensioning an arm. 2,515,590, July 18.

Chaft, Marc E., Jamaica, N. Y., assignor, by mesne assignments, to Maude W. Gass, Evelyn Eisen, Elvira C. McKeefrey and Agnes M. Schoebel. Brassière. 2,508,903, May 23.

Chaiet, Louis: *See*— Kuehl, Frederick A., Jr., and Chaiet.

Chaika, Sol N., Bronx, N. Y. Tie rack. 2,528,859, Nov. 7.

Chain Belt Company, assignee: *See*— Buelow, William H.
Devine, Bernard F., and Hilkemeier.
Hilkemeier, Louis G.
Hunt, George A. K.
Krueger, Alford T.
Lind, Arthur C.
McMillan, Andrew, Viall, Miller, and Carter.
Roblee, Milton A.
Shafer, Samuel, Jr.
Smith, Horace L., Jr.
Viall, George K.
Viall, George K., and Blair.
Viall, George K., and Lindow.
Zimmerman, Harold L., and Van Zeeland.

Chains, Inc., assignee: *See*— Teerlink, James, D'Mohowski, and Pearson.

Chairtown Manufacturing Company, assignee: *See*— Coeh, Joseph S.

Chaitin, Rose R., Freehold N. J. Heating device. 2,494,987, Jan. 17.

Chakiris, Demetrius G., assignor to Autocrat Inc., Dayton, Ohio. Signaling system for drive-in theaters. 2,522,930, Sept. 19.

Chalkley, Lyman, Brick Township, Ocean County, N. J. Photosensitive leucocyanide composition. 2,528,496, Nov. 7.

Challenge Machinery Company, The, assignee: *See*— Lee, James E. and B.

Challenner, Ansel P., Norman, Okla., assignor to Denison Mattress Factory, Denison, Tex. Electrical heating element. 2,529,914, Nov. 14.

Challinor, Edward L., Los Angeles, Calif. Bobby pin. 2,498,066, Feb. 21.

Chalmers, Leona W., New York, N. Y. Menstrual cup. 2,534,900, Dec. 19.

Chamberlain, Alan C., Bethlehem, and R. M. Welgle, Steelton, Pa., assignors to Bethlehem Steel Company. End hardening of rails. 2,519,354, Aug. 22.

Chamberlain, Harvey H., Marblehead, Mass., assignor to General Electric Company. Expanded scale electronic voltmeter. 2,526,329, Oct. 17.

Chamberlain, Joseph R., assignor to York Corporation, York, Pa. Reducing frosting in low-temperature freezers. 2,498,248, Feb. 21.

Chamberlain, Owen: *See*— Segre, Emilio G., and Chamberlain.

Chamberlain, Paul A., assignor to Signode Steel Strapping Company, Chicago, Ill. Apparatus and method for connecting staples into sticks. 2,511,769, June 13.

Chamberlain, Paul A., Chicago, and C. Navratil, Elmwood Park, Ill., assignors to Willard E. Romoser, Benton Harbor, Mich. Adjustable golf club. 2,495,444, Jan. 24.

Chamberlin Company of America, assignee: *See*— Seide, Max.
Sullivan, John G., and Smith.
Willett, Leon E., and Baker.

Chamberlin, Francis W., Madison, Wis. Reproducing device. 2,512,918, June 27.

Chamberlin, George E.: *See*— Weathers, Paul, and Chamberlin.

Chamberlin, Harry C., La Crosse, Wis. Apparatus for handling bulk insulating material. 2,511,246, June 13.

Chamberlin, Marshall V., Saginaw, assignor to The Dow Chemical Company, Midland, Mich. Reconditioning used sand. 2,508,857, May 23.

Chamberlin, Ralph L., Middlesex, N. J., assignor to Research Corporation, New York, N. Y. Collecting electrode structure for electrical precipitators. 2,529,594, Nov. 14.

Chamberlin, Richard H., San Bruno, and H. E. Sorg, Redwood City, assignors to Eitel-McCullough, Inc., San Bruno, Calif. Vacuum condenser. 2,533,713, Dec. 12.

Chambers, Albert M., Jr., Pittsford, assignor to The Garlock Packing Company, Palmyra, N. Y. Garter string. 2,515,629, July 18.

Chambers, Carl C.: *See*— Brooke, George A., Jr., and Chambers.

Chambers Corporation, assignee: *See*— Phares, Thomas E.
Williams, Willis E.

Chambers, Harvey F., Amherst, Ohio. Combined clasp and lighting implement. 2,524,881, Oct. 10.

Chambers, John M.: *See*— Ferguson, Henry G., and Chambers.

Chambers, Laura A., San Francisco, Calif. Diaper. 2,529,999, Nov. 14.

Chambers, Martin R., Milton, N. C. Variable typewriter spacer. 2,512,825, June 27.

Chambers, Union J., Knoxville, Tenn. Adjustable mirror or picture holder. 2,497,760, Feb. 14.

Chambers, Victor S.: *See*— Schoene, Dwight L., and Chambers.

Chambrillon, Roger: *See*— Latour, Andre and Chambrillon.

Champagne, Emory C., assignor to The Berger Brothers Company, New Haven, Conn. Device for posture study. 2,507,768, May 16.

Champaygne, Edmund F., Noroton Heights, Conn., assignor to American Cyanamid Company, New York, N. Y. Specimen molding. 2,512,575, June 20.

Champayne, Roy J.: *See*— Pugh, Walter E., and Champayne.

Champayne, Roy J., Rockford, Ill. Rubbing shoe. 2,521,689, Sept. 12.

Champion, Alfred, Abbots Langley, England. Expander for ductile metal pipes and tubes. 2,526,932, Oct. 24.

Champion Company, The, assignee: *See*— Spriggs, Arthur O., and Briner.

Champion Paper and Fibre Company, The, assignee: *See*— Gates, Louis E., and Radeker.
Heckel, Herman C. N.
Stoddard, William B., Jr.

Champion Spark Plug Company, assignee: *See*— Caton, Milton W.
Christie, Robert K.
Riddle, Frank H.
Taylor, William P.

Champlain Company, Inc., assignee: *See*— Caulfield, Joseph R.

Champlain Motors, Inc., assignee: *See*— Ouimette, Edward F.

Champlin, Everett E., assignor to The Merrow Machine Company, Hartford, Conn. Inserting drawstrings within a hemmed material. 2,511,247, June 13.

Chance, A. B., Company, assignee: *See*— Harper, James K.
Hubbard, David C.
Linde, Leonard J.
Linde. Leonard J., and Hubbard.

Chance, Britton, Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Electrical navigation system. 2,508,565, May 23.

Chance, Britton, Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Blanking pulse generating circuit. 2,535,266, Dec. 26.

Chance Brothers Limited, assignee: *See*— Bastick, Raymond E., and Wang.

Chance, Dorothy C.: *See*— Kulp, Maurice P., Vandenburgh, and Chance.

Chance, Franklin S., Jr., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Purification of ethylene. 2,497,296, Feb. 14.

Chance, Harry, Birmingham, England. Mouthpiece for woodwind instruments. 2,525,523, Oct. 10.
Chance, Leroy R.: *See*—
Nance, Keith L. and Chance.
Chandeysson, Pierre I., St. Louis, Mo. Dynamoelectric machine and making same. 2,499,211, Feb. 28.
Chandler, Austin S.: *See*—
Von Hofe, George W., Lakso, and Chandler.
Chandler, Carroll F., Waynesboro, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Yarn conditioning. 2,497,536, Feb. 14.
Chandler, Cossie D., Cincinnati, Ohio. Cutting tool. 2,534,230, Dec. 19.
Chandler, Dana G., Toledo, assignor to R. G. Clark, Sylvania, Ohio. Clothesline tightener. 2,494,085, Jan. 10.
Chandler, Digby W., Forest Hills, assignor to Annin and Company, New York, N. Y. Fender flag holder. 2,527,351, Oct. 24.
Chandler, Edward F., Brooklyn, N. Y. Rocket projectile. 2,500,117, Mar. 7.
Chandler, Edward F., Brooklyn, N. Y. Projectile. 2,504,648, Apr. 18.
Chandler, Edward F., Brooklyn, N. Y. Rocket projectile. 2,524,591, Oct. 3.
Chandler, F. Opal, executrix: *See*—
Chandler, Fred K.
Chandler, Fred K., deceased, Des Moines, Iowa; F. O. Chandler, executrix of said F. K. Chandler, assignor to The Tanvilac Company, Des Moines, Iowa. Culturing apparatus. 2,530,597, Nov. 21.
Chandler, Jasper S.: *See*—
Sandvik, Otto, and Chandler.
Chandler, Lyle, assignee: *See*—
Soditch, Lewis D., and Scott.
Chandler, Milton E., New Britain, assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn. Fuel supply system. 2,506,995, May 9.
Chandler & Price Company, The, assignee: *See*—
Jirousek, Joseph F.
Root, Charles F.
Chandley, Edwin F., Stockport, H. Steiner, Eccles, and E. Z. Monton assignors to Petrocarbon Limited, London, England. Recovery of mono-chlorhydrins from aqueous solutions thereof. 2,528,262, Oct. 31.
Chandley, Henry K., Dayton, assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Safety inner tube. 2,514,183, July 4.
Chaney, David W., Nether Providence Township, Delaware County, Pa., assignor to American Viscose Corporation, Wilmington, Del. Solution of acrylonitrile polymers. 2,496,267, Feb. 7.
Chaney, David W., Nether Providence Township, Delaware County, Pa., assignor to American Viscose Corporation, Wilmington, Del. Amides of fluorinated propionic acids. 2,514,473, July 11.
Chaney, David W., Nether Providence Township, Delaware County, Pa., assignor to American Viscose Corporation, Wilmington, Del. Ethers derived from hexafluorobutyne-2. 2,522,566, Sept. 19.
Chaney, Lee F., assignor to The Ohio Thermometer Company, Springfield, Ohio. Floating thermometer. 2,520,911, Sept. 5.
Chaney, Newcomb K., Moylan, and C. W. Jordan, Paoli, Pa., assignors to The United Gas Improvement Company. Rock wool mass. 2,520,124, Aug. 29.
Chaney, Preston E., Beaumont, Tex., assignor to Sun Oil Company, Philadelphia, Pa. Logging wells. 2,526,857, Oct. 24.
Chaney, Preston E. and W. E. Barnes, Beaumont, Tex., assignors to Sun Oil Company, Philadelphia, Pa. Tube calipering and recording mechanism. 2,518,663, Aug. 15.
Chang, Sheldon S. L., Springfield, Ohio. Photosensitive cell electronic system. 2,515,630, July 18.
Change-A-Blade Corporation, assignee: *See*—
Cohn, Maurice L.
Channell, James W., San Marino, Calif., assignor to the United States of America as represented by the Secretary of the Navy. Firing mechanism. 2,525,477, Oct. 10.
Channon, Hiram B.: *See*—
Binns, Frederick W., and Channon.
Chanter, Harry, Harrow, assignor of one-half to Kilfrost Manufacturing Company Limited, Newcastle upon Tyne, England. Device for preventing the formation of ice on conductor rails. 2,502,927, Apr. 4.
Chapin, Bernard L., Winchester, N. L. Davis, Melrose, and T. H. Cabot, Jr., Boston, assignors to New England Carbide Tool Company, Inc., Cambridge, Mass. Knife sharpener. 2,496,578, Feb. 7.
Chapin, Chester M., St. Louis, Mo. Steam electric pressing iron. 2,533,995, Dec. 12.
Chapin, Daryl M., Basking Ridge, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Magnetometer probe. 2,517,975, Aug. 8.
Chapin, Earl C., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Styrene-substituted benzalacetophenone copolymers. 2,496,697, Feb. 7.
Chapin, Earl C., Longmeadow, Mass., and G. E. Ham, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Alkali metal methoxide polymerization of homocyclic compounds containing a carbonyl radical in the ring. 2,516,835, Aug. 1.
Chapin, Earl C., and G. E. Ham, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Blended olefinic copolymers. 2,520,083, Aug. 22.
Chapin, George R., Shelby, Mich. Revolving sprayer. 2,511,969, June 20.
Chaplin, Frank S., Erdenheim, Pa. Vehicle body construction. 2,502,703, Apr. 4.
Chapin, Howard R.: *See*—
Mandolf, Henry I., and Chapin.
Chapin, William F., Whittier, assignor to The Fluor Corporation, Ltd., Los Angeles, Calif. Purification and dehydration of gases. 2,518,752, Aug. 15.
Chaplin Corporation, assignee: *See*—
Chaplin, Merle P.
Chaplin, Merle P., South Portland, assignor to Chaplin Corporation, Portland, Me. Manufacturing pulp articles. 2,494,743, Jan. 17.
Chaplin, Merle P., assignor to Chaplin Corporation, South Portland, Maine. Producing molded fiber articles. 2,515,113, July 11.
Chapman, Alan T., Clifton, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical condenser. 2,502,310, Mar. 28.
Chapman, Asa B., Evanston, Ill., assignor to Conley Frog and Switch Co., Memphis, Tenn. Railway bridge joint. 2,496,855, Feb. 7.
Chapman, Aurelius F., Kenmore, N. Y., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Coated, nonfibrous regenerated cellulose sheet wrapping material and making same. 2,533,557, Dec. 12.
Chapman, Charles W., Burstow, England. Internal-combustion engine of the compression ignition type. 2,528,263, Oct. 31.
Chapman, Clarence: *See*—
Wixon, Paul E., and Chapman.
Chapman, Eugene R., San Antonio, Tex. Device for measuring the posterior sagittal diameter of a female pelvis. 2,507,959, May 16.
Chapman, Fred H., Pepperell, Mass., assignor to The International Paper Box Machine Company, Nashua, N. H. Machine for folding box blanks and the like. 2,519,111, Aug. 15.
Chapman, George A., London, England. Electrically heated airer. 2,494,861, Jan. 17.
Chapman, George T., Grosse Pointe, Mich. Fishing float. 2,496,334, Feb. 7.
Chapman, Harold D., and W. I. Denton, Woodbury, and R. B. Bishop, Haddonfield, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Ammonium sulfate production. 2,524,341, Oct. 3.
Chapman, Harvey A., and E. J. Livingston, assignors to Kolstad Company, Minneapolis, Minn. Case carrying hand truck. 2,533,352, Dec. 12.
Chapman, Ira S., Akron, Ohio. Safety catch for fountain pens and pencils. 2,511,903, June 20.
Chapman, James, Halewood, and R. Roberts, Saint Helens, England, assignors to Imperial Chemical Industries Limited. Production of organic fluorine compounds. 2,495,407, Jan. 24.
Chapman, James E., Phoenix, Ariz., assignor to The Garrett Corporation, Los Angeles, Calif. Motor assembly with magnetic brake. 2,514,693, July 11.
Chapman, James E., Phoenix, Ariz., assignor to The Garrett Corporation, Los Angeles, Calif. Electrically controlled brake. 2,514,694, July 11.
Chapman, James E., Phoenix, Ariz., assignor to The Garrett Corporation, Los Angeles, Calif. Travel and load limit system for screw actuators. 2,531,109, Nov. 21.
Chapman, James F., Madison, and K. Riesz, Gillette, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrical instrument enclosure. 2,530,945, Nov. 21.
Chapman, James F., Upper Darby, and E. Latshaw, assignors to ACF-Brill Motors Company, Philadelphia, Pa. Brake drum with noise silencer. 2,532,086, Nov. 28.
Chapman, James K., Syracuse, N. Y., assignor to General Electric Company. Phase-control circuit. 2,524,515, Oct. 3.
Chapman, Joseph D.: *See*—
Motis, Gilbert M., and Chapman.
Chapman, Joseph G., Columbia, Mo. Floor mat. 2,527,116, Oct. 24.
Chapman, Romaine C., West Cheshire, assignor to Scovill Manufacturing Company, Waterbury, Conn. Guard for laundry bag pins. 2,507,332, May 9.
Chapman, Roy C., Detroit, Mich. Window lock. 2,496,698, Feb. 7.
Chapman & Smith Company, assignee: *See*—
Handler, Julius J., and Pratt.
Chapman Transmission Corporation, assignee: *See*—
McLean, James N.
Chapman Valve Manufacturing Co., The, assignee: *See*—
Malcolm, Vincent T.
Chapman's, T. M., Sons Co., assignee: *See*—
Ste. Marie, Arthur M.
Chappell, Edward E., deceased, Clear Lake, Iowa; I. Chappell, executrix, assignor to E. L. Chappell. Apparatus for ultra short wave therapy. 2,526,064, Oct. 17.
Chappell, Edward L., assignee: *See*—
Chappell, Edward E.
Chappell, Idonia, executrix: *See*—
Chappell, Edward E.

Chappell, Norman W., London, England. Semirimless spectacle mounting having flexible lens retainers. 2,516,549, July 25.
Chappell, Paul H., Leaksville, N. C. Floor waxer and polishing machine. 2,499,817, Mar. 7.
Chappelle, Louis C.: *See*—
Nelson, Gustav A., and Chappelle.
Chappen, Stephen P., Carbondale, Pa. Surface treatment means support arrangement. 2,500,660, Mar. 14.
Chapple, Charles C., Philadelphia, Pa. Inhaler. 2,513,145, June 27.
Charbonneau, Allan P., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Snap switch. 2,526,850, Oct. 24.
Charbonneau, Robert J., Detroit, Mich. Venetian blind. 2,505,943, May 2.
Charbonneau, Robert J., Detroit, Mich. Window cornice board assembly. 2,526,806, Oct. 24.
Charbonneaux, Wilson A., Bedford, Ind. Vibratory voltage regulator. 2,523,941, Sept. 26.
Charch, William H., Buffalo, N. Y., assignor E. I. du Pont de Nemours & Company, Wilmington, Del. Composition of crotyl cellulose and compatible butadiene copolymer. 2,520,711, Aug. 29.
Charch, William H., Chadds Ford, Pa., W. A. Hare, Kenmore, N. Y., and F. K. Signaigo, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Crimped yarn production. 2,518,753, Aug. 15.
Charchian, Benjamin M., assignor to Federal Telecommunication Laboratories, Inc., New York, N. Y. High-frequency electron discharge device. 2,535,039, Dec. 26.
Chariott, Arthur: *See*—
Entwistle, Robert C., and Chariott.
Charis Corporation, assignee: *See*—
Ihsen, Hulda M.
Leonard, Joseph, and Ihsen.
Charland, Albert H., Rosemont, assignor to Philco Corporation, Philadelphia, Pa. Automatic valve mechanism for steam irons. 2,501,028, Mar. 21.
Charles, Daniel, Paris, France, assignor to Compagnie Generale de T. S. F. Continuously moving film projecting device for moving picture installations. 2,506,198, May 2.
Charles, Daniel, Paris, France, assignor to Compagnie Generale de T. S. F. Ion generators. 2,530,859, Nov. 21.
Charles, Ernest, and P. Robinet, Clamecy, assignors to Societe Normande De Produits Chimiques, Paris, France. Catalysts suitable for dehydrogenation processes. 2,504,497, Apr. 18.
Charles, George K., Wincanton, England. Apparatus for applying adhesive strip to cylindrical cans or other containers. 2,503,470, Apr. 11.
Charles, Henry E., Pittsburg, Calif. Cable and wire stripper. 2,502,245, Mar. 28.
Charles, Sinnet, assignor of one-half to M. B. Crisp, Welch, W. Va. Triple swivel. 2,514,840, July 11.
Charley, Noel G., assignee: *See*—
Jeffery, Harold E.
Charley, Walter G., La Crescent, Minn., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Break-back implement attachment for tractors. 2,520,744, Aug. 29.
Charley, Walter G., La Crescent, Minn., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Tool mounting for agricultural implements. 2,522,702, Sept. 19.
Charlin, André M. B., Montrouge, France. Cinematographic projector having curved film gate. 2,506,441, May 2.
Charlton, Chase W., Spokane, assignor of one-half to A. B. Beem, Seattle, Wash. Illuminated sign. 2,513,146, June 27.
Char-Lynn Co., assignee: *See*—
Darr, Harold W.
Charm Tred Mills, Incorporated, assignee: *See*—
Greenberg, Benjamin A.
Charney, Jesse, New York, N. Y., assignor to Wyeth Incorporated, Philadelphia, Pa. Extraction and recovery of rutin. 2,498,849, Feb. 28.
Charpentier, Jesse J.: *See*—
Kellgren, Waldo, and Charpentier.
Charpentier, Paul: *See*—
Arquet, Maurice, and Charpentier.
Charpentier, Paul, Choisy-le-Roi, assignor to Societe des Usines Chimiques Rhone-Poulenc, Paris, France. Betadimethylaminoethylphenothiazines and their production. 2,519,886, Aug. 22.
Charpentier, Paul, Choisy-le-Roi, assignor to Societe Des Usines Chimiques, Rhone-Poulenc, Paris, France. Phenothiazines. 2,526,118, Oct. 17.
Charpentier, Paul, Choisy-le-Roi, assignor to Societe des Usines Chimiques Rhone-Poulenc, Paris, France. Phenothiazines. 2,530,451, Nov. 21.
Charters, James P., Flushing, N. Y. Pistol lock. 2,505,227, Apr. 25.
Chartier, Louis O., Schnectady, N. Y. Window. 2,531,909, Nov. 28.
Chase, Arthur E.: *See*—
Bourne, Roland B., and Chase.
Chase, Arthur J., Los Angeles, Calif. Electromagnetic control means to tune organ pipes to just pitch. 2,525,524, Oct. 10.
Chase Bag Company, The, assignee: *See*—
Clark, Converse V.
Chase Brass & Copper Co. Incorporated, assignee: *See*—
Marcussen, Kenneth R.
Chase, Burton L., Dallas, Tex. Silver cleaning device. 2,505,228, Apr. 25.
Chase, Curtis D., Brighton, assignor to Boston Marine Works, Inc., East Boston, Mass. Method of and apparatus for compressing vapors. 2,532,267, Nov. 28.
Chase, Donald C., Milford, assignor to Farrel-Birmingham Company, Incorporated, Ansonia, Conn. Treating rubber. 2,514,841, July 11.
Chase, Ernest E., E. S. Nokes, and F. E. Stratton, Beverly, and W. Y. Goodhue, Ipswich, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Gun sight. 2,502,506, Apr. 4.
Chase, George L., Wharton, N. J. Centrifugal casting apparatus. 2,517,974, Aug. 8.
Chase, George T., Lynbrook, N. Y. Base-mounted screw-actuated screw driver. 2,524,767, Oct. 10.
Chase, Gladys, Peekskill, N. Y. Thread holder. 2,499,130, Feb. 28.
Chase, Harold M., Chicago, Ill., assignor to S & C Electric Company. Tensioned fuse construction. 2,497,257, Feb. 14.
Chase, Harold M., Danville, and H. Y. Jennings, Schoolfield, Va., assignors to Dan River Mills, Incorporated. Laminating starch-free resin sized fabrics. 2,525,476, Oct. 10.
Chase, Lionel, North Olmstead, assignor to Marchmont Products, Inc., Cleveland, Ohio. Closure for fuel tanks. 2,505,637, Apr. 25.
Chase-Shawmut Company, The, assignee: *See*—
Edsall, William S.
Roswell, Earle R.
Taylor, Elmer H.
Chase, Sherman, Evergreen Park, Ill., assignor to Carnegie-Illinois Steel Corporation. Apparatus for quantitative analysis of gases. 2,521,041, Sept. 5.
Chase, Sherman, Evergreen Park, Ill., assignor to Carnegie-Illinois Steel Corporation. Method and apparatus for analyzing flue gas. 2,533,430, Dec. 12.
Chase, William, Chevy Chase, Md. Cooling instrument. 2,536,001, Dec. 26.
Chassaing, Francois, Alfortville, France. Preparing coagulable latex. 2,519,887, Aug. 22.
Chastain, James E., assignee: *See*—
Hart, Ewing C.
Chatel, George A., Holyoke, Mass. Mop wringer with pivoted squeeze plate. 2,516,753, July 25.
Chatfield, Franklin, Minneapolis, Minn., assignor, by mesne assignments, to trustees of the Redman Trust, New York, N. Y. Apparatus for condensing fabrics. 2,522,663, Sept. 19.
Chatfield, Henry B., assignor to The Guarantee Specialty Manufacturing Company, Cleveland, Ohio. Venetian blind bracket. 2,498,067, Feb. 21.
Chatfield, Henry B., assignor to The Guarantee Specialty Manufacturing Company, Cleveland, Ohio. Venetian blind bracket and extension mounting means therefor. 2,498,068, Feb. 21.
Chatfield, Henry B., assignor to The Guarantee Specialty Manufacturing Company, Cleveland, Ohio. Venetian blind bracket and top mounting means therefor. 2,501,029, Mar. 21.
Chatfield, Henry B., Kinsman, Ohio. Venetian blind bracket. 2,520,593, Aug. 29.
Chatham Pharmaceuticals, Inc., assignee: *See*—
Singer, Arnold J.
Chatillon, John & Sons, assignee: *See*—
Concklin, George W.
Chatlos, Frank W., Pine Plains, N. Y. Cutting tool. 2,517,840, Aug. 8.
Chattanooga Medicine Company, The, assignee: *See*—
Grote, Irvine W., and Holbert.
Grote, Irvine W., and LeMaistre.
Chatterjea, Prafulla K., and L. W. Houghton, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Multiplex high-frequency electrical pulse signaling system. 2,523,279, Sept. 26.
Chatterton, Earl L., Bloomfield, N. J., and J. G. Mooring, Pelham Manor, assignors to Western Electric Company, Incorporated, New York, N. Y. Coaxial line attenuator. 2,521,828, Sept. 12.
Chatterton, Ernest E., assignor to D. Napier & Son Limited, London, England. Piston. 2,534,573, Dec. 19.
Chattler, Leo M., Washington, D. C. Automatic open center six port control valve. 2,530,377, Nov. 21.
Chausse, Wilfred G., Detroit, Mich. Portable dispensing apparatus for heating and dispensing highly viscous liquids. 2,506,412, May 2.
Chausse, Wilfred G., Detroit, Mich. Hot-blast road repairing machine. 2,532,994, Dec. 5.
Chausse, Wilfred G., Detroit, Mich. Heated hose. 2,532,995, Dec. 5.
Chausson, Gaston, assignor to Societe Anonyme Des Usines Chausson, Asnieres, France. Damped spring device for use with vehicles. 2,520,528, Aug. 29.
Chausson, Gaston, assignor to Societe Anonyme des Usines Chausson, Asnieres, France. Frameless body for automobiles and similar vehicles. 2,525,339, Oct. 10.

Chausson, Gaston, assignor to Societe Anonyme des Usines Chausson, Asnieres, France. Heating and antifreezing apparatus for aircraft. 2,529,915, Nov. 14.
Chausson, Gaston, assignor to Societe Anonyme des Usines Chausson, Asnieres, France. Motor vehicle body with independent wheel suspension. 2,530,226, Nov. 14.
Chausson, Gaston, assignor to Societe Anonyme des Usines Chausson, Asnieres, France. Tank for airplanes and similar applications. 2,533,431, Dec. 12.
Chausson, Gaston, assignor to Societe Anonyme des Usines Chausson, Asnieres, France. Cylindrical heat exchanger. 2,535,721, Dec. 26.
Chauveau, Louis, Paris, France, assignor to Societe Francaise Radio-Electrique. Siphon recorder. 2,506,136, May 2.
Chauveau, Louis, Paris, France, assignor to Societe Francaise Radio-Electrique. Selector apparatus for alarm signals. 2,533,765, Dec. 12.
Chavannes Industrial Synthetics, Inc., assignee: *See*— Chavannes, Marc A.
Chavannes, Marc A., Lisbon, Conn., and H. A. Rohdin, Glen Ridge, N. J. Desiccant packaging. 2,524,162, Oct. 3.
Chavannes, Marc A., Lisbon, Conn., assignor to Chavannes Industrial Synthetics, Inc., New York, N. Y. Producing articles from film-forming materials. 2,526,634, Oct. 24.
Chavannes, Marc A., assignor to Chavannes Industrial Synthetics, Inc., New York, N. Y. Preparing surface-decorated plastic sheets. 2,527,398, Oct. 24.
Chavanon, Claude, Roanne, France. Preparing nonpyrogenic medical absorbent wadding. 2,518,123, Aug. 8.
Chave, Fernand, Casablanca, French Morocco. Two-stroke internal-combustion engine. 2,518,866, Aug. 15.
Chavez, John H., New York, N. Y. Grapefruit cutter. 2,503,097, Apr. 4.
Chaya, John S., Springfield, and W. L. Spann, Boothwyn, Pa., assignors to American Viscose Corporation, Wilmington, Del. Warp-winding from cakes. 2,534,339, Dec. 19.
Chaya, John S., Springfield, and W. L. Spann, deceased, late of Concord Township, Delaware County, Pa., by M. L. Spann, executrix, Chester, Pa., assignors to American Viscose Corporation, Wilmington, Del. Warp-winding from cakes. 2,534,340, Dec. 19.
Chazal, René L. F.: *See*— Cottet, Émile C., and Chazal.
Cheatham Electric Switching Device Co., Incorporated, assignee: *See*— Richterkessing, Frank H.
Cheatham, James, Jr., Oklahoma City, Okla. Folding container. 2,517,178, Aug. 1.
Cheatham, Robert V., Jr., Louisville, Ky. Display window assembly. 2,524,694, Oct. 3.
Checchia, John, Cheltenham, Pa. Shoe jack. 2,501,810, Mar. 28.
Checkon, John, Gary, Ind. Liquid-fuel burner nozzle construction. 2,515,494, July 18.
Checkowitz, Peter: *See*— Sadloski, Stanley P., and Checkowitz.
Cheek, James B., assignor of forty per cent to R. S. Cheek, Madison, Fla. Attachment for soft drink bottles. 2,530,227, Nov. 14.
Cheek, James B., and D. C. Edwards, Dallas, Tex. Precast masonry mausoleum. 2,525,017, Oct. 10.
Cheek, Robert C., Irwin, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Multiplier. 2,519,223, Aug. 15.
Cheek, Rosa S., assignee: *See*— Cheek, James B.
Cheeseman, George W., and G. J. Chomis, Akron, Ohio, assignors to The Quaker Oats Company, Chicago, Ill. Apparatus for detecting lightweight or overweight packages and articles. 2,521,877, Sept. 12.
Cheesman, Leonard E., Clifton, and H. E. Mendenhall, Summit, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Secondary electron emitter. 2,530,946, Nov. 21.
Cheesman, Leonard E., Clifton, and H. E. Mendenhall, Summit, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Secondary electron emitter. 2,530,947, Nov. 21.
Chelborg, Rudolph, Maplewood, N. J., assignor to The Linde Air Products Company. Mechanized hand cutting blowpipe. 2,501,711, Mar. 28.
Chelborg, Rudolph, Maplewood, and L. W. Young, Elizabeth, N. J., assignors to The Linde Air Products Company. Machine for cutting tapered ingots. 2,533,311, Dec. 12.
Cheldin, Sidney, Santa Monica, Calif. Cleaner for forks, combs, or like implements. 2,501,208, Mar. 21.
Chelle, Paul L., Paris, France. Bottle labeler with neck label gauge. 2,497,344, Feb. 14.
Chelminski, Roman, Wilton, Conn., assignor to General American Transportation Company, Chicago, Ill. Sediment moving blade. 2,499,460, Mar. 7.
Chemel, Joseph S., Chicago, Ill. Sound motion-picture projection apparatus. 2,521,150, Sept. 5.
Chemical Concentrates Corporation, assignee: *See*— Levin, David.
Chemical Construction Corporation, assignee: *See*— Roberts, Edward S., Rinckhoff, and Cunningham.
Chemical Development Corporation, assignee: *See*— Surmatis, Joseph D.
Chemical Foundation, Incorporated, The, assignee: *See*— Hixson, Arthur W., and Miller. Miller, Ralph.
Chemical Laboratories, Inc., assignee: *See*— Whitner, Thomas C.
Chemical Process Company, assignee: *See*— Mills, Gordon F.
Chemische Fabriek L., van der Grinten, assignee: *See*— Buskes, Willem M.
Chemlinski, Raymond, Schenectady, N. Y. Carton for ink bottles. 2,504,179, Apr. 18.
Chen, Henry, Kowloon, Hong Kong. Pyrophoric lighter. 2,531,554, Nov. 28.
Chenault, Roy L., Cranberry Township, Venango County, Pa., assignor to Oil Well Supply Company. Unloading valve for oil well pumps and the like. 2,517,841, Aug. 8.
Chenault, Woodford S., Freeport, Tex., assignor to The Dow Chemical Company, Midland, Mich. Apparatus for coating cylindrical vessels. 2,519,177, Aug. 15.
Chenette, Edmond, South Norwalk, Conn. Spring actuated fishhook. 2,506,137, May 2.
Chenette, John E., assignor to Wenatchee Foods Incorporated, Wenatchee, Wash. Device for splitting and pitting peaches. 2,514,120, July 4.
Cheney Bigelow Wire Works, assignee: *See*— Nilson, Clifton N.
Cheney, Charles W., Hockley, Birmingham, England. Key-locked fastening of attaché cases and the like. 2,516,550, July 25.
Cheney, Frank B., Alamosa, Colo. Building wall of hollow blocks. 2,520,912, Sept. 5.
Cheney, Grant W. *See*— Dulmage, Frederic E., and Cheney.
Cheney, Harry A., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Catalytic purification of unsaturated hydrocarbons. 2,520,712, Aug. 29.
Cheney, Lee C., assignor to Parke, Davis & Company, Detroit, Mich. 2'-keto-3,4-imidazolido-2-ω-substituted alkyl thiophenes and obtaining same. 2,502,422, Apr. 4.
Cheney, Lee C., and J. R. Piening, assignors to Parke, Davis & Company, Detroit, Mich. Tetrahydrothiophenes. 2,502,421, Apr. 4.
Cheney, Lee C., Syracuse, and J. R. Piening, assignors to Parke, Davis & Company, Detroit, Mich. 4-carbalkoxy-3-keto-2-substituted tetrahydrothiophene oximes 2,502,423, Apr. 4.
Cheney, Lee C., Syracuse, and J. R. Piening, assignors to Parke, Davis & Company, Detroit, Mich. 3-acylamino–4–carboalkoxy-2-ω-r-alkyl-thiophenes. 2,502,424, Apr. 4.
Cheney, Lee C., Syracuse, and J. R. Piening, assignors to Parke, Davis & Company, Detroit, Mich. 3-acylamino-2-ω-r-alkyl-4-thiophene-carboxylic acid hydrazides. 2,502,425, Apr. 4.
Cheney, Lee C., Syracuse, and J. R. Piening, assignors to Parke, Davis & Company, Detroit, Mich. 3-acylamino-2-ω-r-alkyl-4-thiophene-carboxylic acid azides. 2,502,426, Apr. 4.
Cheney, Lee C., Syracuse, and J. R. Piening, assignors to Parke, Davis & Company, Detroit, Mich. 3-acyl amino - 4 - carboalkoxyamino thiophenes. 2,502,427, Apr. 4.
Cheney, Raymond E., Endicott, J. L. Wagner, Endwell, and R. E. Lawhead, Vestal, assignors to International Business Machines Corporation, New York, N. Y. Sensing system for magnetically recorded signals. 2,496,579, Feb. 7.
Cheney, Wallace E., Milwaukee, Wis. Elevator. 2,507,887, May 16.
Chenicek, Albert G., Hartsdale, assignor to Interchemical Corporation, New York, N. Y. Solutions of polymers of crotyl, methallyl, and allyl polyesters of polybasic organic acids containing cerium salts and making films therefrom. 2,522,254, Sept. 12.
Chenicek, Joseph A.: *See*— Gleim, William K. T., and Chenicek. Rosenwald, Robert H., and Chenicek. Thompson, Ralph B., and Chenicek.
Chenicek, Joseph A., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Stabilization of crops. 2,513,002, June 27.
Chenicek, Joseph A., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Stabilization of organo-siloxanes. 2,517,536, Aug. 8.
Chenicek, Joseph A., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Metal deactivator. 2,530,650, Nov. 21.
Chenicek, Joseph A., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Desulfurization of hydrocarbons. 2,531,767, Nov. 28.
Chenicek, Joseph A., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Metal deactivators. 2,533,205, Dec. 12.
Chénier, Roland P., Villemomble, France. Manufacture of cream cheese. 2,508,663, May 23.
Chenouard, Joseph, Paris, France. Filing device. 2,528,485, Nov. 7.
Chenoweth, Laurance H., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Luggage edge-binding integral strip of rubbery material. 2,516,551, July 25.

Cheraso, Charles R., Cleveland, and F. A. Frampton, Garfield Heights, assignors to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Starter clutch and oil seal therefor. 2,513,917, July 4.

Cherba, Samuel: *See*—
Gronemeyer, Erich, and Cherba.

Cherigié, Pierre, assignor to La Cellophane, Paris, France. Idler roller drive for continuous web feeds. 2,529,281, Nov. 7.

Chern, Margaret B., New York, N. Y. Astrological chart. 2,518,664, Aug. 15.

Chérouvrier, Robert E., Paris, France. Pyrophoric lighter. 2,535,529, Dec. 26.

Cherry, Albert T., Pittsburgh, Pa. Fishing rod and reel holder. 2,523,356, Sept. 26.

Cherry-Burrell Corporation, assignee: *See*—
Lippold, Adolph J.

Cherry, Glenn A., and W. D. Hankey, Butler, Ind. Fluid motor for deep well pumps. 2,527,915, Oct. 31.

Cherry, Harold A., Northfield, Birmingham, assignor to Kalamazoo Limited, Birmingham, England. Loose-leaf binder. 2,532,695, Dec. 5.

Cherry, Lloyd B.: *See*—
Harrison, Thomas R., and Cherry.

Cherry, Martha L., assignee: *See*—
Vrendenburg, Arthur.

Cherry Rivet Company, assignee: *See*—
Kugler, Herbert W.

Cherry, Robert H., Glenside, assignor to Leeds and Northrup Company, Philadelphia, Pa. Relative humidity measuring system. 2,501,377, Mar. 21.

Cherry, Robert H., Glenside, and A. J. Williams, Jr., assignors to Leeds and Northrup Company, Philadelphia, Pa. Constant voltage regulating system. 2,501,263, Mar. 21.

Chertoff, Israel, Brooklyn, N. Y. Vibrating device. 2,495,159, Jan. 17.

Cherwin, Louis, New York, N. Y. Beach protector. 2,521,042, Sept. 5.

Chesapeake and Ohio Railway Company, The, assignee: *See*—
Browne, Kenneth A.

Chesbro, James C., Arcadia, Calif. Plumb bob, line, and winding spool. 2,499,722, Mar. 7.

Chesebrough Manufacturing Company, Consolidated, assignee: *See*—
McClenahan, William S., and Nelson.

Chesler, Isidor, Oceanport, N. J., assignor to Eagle Pencil Company. Ball point writing implement. 2,504,649, Apr. 18.

Chesney, Frank E., Rocky River, Ohio, assignor to The American Steel and Wire Company of New Jersey. Container. 2,529,138, Nov. 7.

Chesser, Cecil E., Hebron, and T. H. Cline, assignors to Newark Stove Company, Newark, Ohio. Deep well cooker. 2,497,258, Feb. 14.

Chesser, Clovis B., Albany, Ohio. Machine for making wedges. 2,505,524, Apr. 25.

Chessrown, James D., Youngstown, Ohio. Toy ball. 2,504,650, Apr. 18.

Chesstok, Arthur: *See*—
Chesstok, Edgar and A.

Chesstok, Edgar and A., London, England. Appliance for darning and repairing fabrics by hand. 2,504,302, Apr. 18.

Chester, Allan E., Highland Park, assignor to Poor & Company, Chicago, Ill. Vitreous enameling of ferrous metal. 2,510,071, June 6.

Chester, Allen E., Highland Park, assignor to Poor & Company, Chicago, Ill. Electroplating. 2,515,192, July 18.

Chester, Allan E., Highland Park, assignor to Poor & Company, Chicago, Ill. Buffing and polishing compositions and preparation. 2,529,722, Nov. 14.

Chester, Allan E., Highland Park, and F. F. Reisinger, Waukegan, assignors to Poor & Company, Chicago, Ill. Zinc electroplating. 2,495,629, Jan. 24.

Chester, Allan E., Highland Park, and F. F. Reisinger, Waukegan, assignors to Poor & Company, Chicago, Ill. Electroplating of zinc and electrolyte therefor. 2,524,040, Oct. 3.

Chester, Frank R., Santa Monica, Calif. Adjustable measuring receptacle. 2,496,268, Feb. 7.

Chester, Frank R., Santa Monica, Calif. Fastening clip and the like. 2,503,435, Apr. 11.

Chester, Frank R., Santa Monica, Calif. Jar cap wrench. 2,503,471, Apr. 11.

Chester, Frank R., Santa Monica, Calif. Flour sifter with reciprocating agitator. 2,507,500, May 16.

Chester, Frank R., Santa Monica, Calif. Dispenser. 2,507,557, May 16.

Chester, Frank R., Santa Monica, Calif. Sifter. 2,507,960, May 16.

Chester, Frank R., Santa Monica, Calif. Powder sprayer. 2,515,193, July 18.

Chester, Frank R., Santa Monica, Calif. Change-speed gearing for mixers. 2,524,425, Oct. 3.

Chester-Jensen Company, assignee: *See*—
Turnbow, Grover D., and Osborne.

Chestnut Farms-Chevy Chase Dairy Company, assignee: *See*—
Powell, Charles K.

Chestnutt, John E., Richmond, Va. Tobacco curing apparatus. 2,533,092, Dec. 5.

Chesus, Frank O.: *See*—
Richardson, Avery G., and Chesus.

Chesus, Frank O., Jackson Heights, and F. G. Thomas, Islip, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Antenna system. 2,523,280, Sept. 26.

Chevalier, John M., Port Angeles, Wash. Choker hook. 2,505,883, May 2.

Chevallier, André, Paris, assignor to Societe Union D'Electricite, Paris (Seine), France. Backup protection for comparator systems having faulted supply. 2,523,813, Sept. 26.

Chevallier, André, Paris, assignor to Société Union D'Electricite, Paris, (Seine) France. Device for measuring and comparing functions. 2,529,723, Nov. 14.

Chevallier, Arnold L., Maidenhead, and S. Sochaczewski, London, England. Breech hood and breech bolt lock. 2,510,685, June 6.

Chevigny, Paul G., and E. Labin, New York, N. Y., assignors to Federal Telephone and Radio Corporation. Electron discharge device for ultra high frequencies. 2,516,853, Aug. 1.

Chew, Frank D., Detroit, Mich., assignor to Aluminum Company of America, Pittsburgh, Pa. Recovering scrap metal. 2,493,391, Jan. 3.

Chew, Thornton W., U. S. Navy. Color television. 2,529,485, Nov. 14.

Chewning, Wallace D.: *See*—
Frazelle, Jay B.
Frazelle, Jay B., and Chewning.

Cheyney, La Verne E., Columbus, assignor to Wingfoot Corporation, Akron, Ohio. Chlorinated rubber powder and preparation. 2,504,065, Apr. 11.

Chezum, Rogene E., Glendale, Calif. Girdle drier. 2,509,723, May 30.

Chezum, Rogene E., Glendale, assignor to Glov-Tree Corporation, Los Angeles, Calif. Glove form. 2,524,285, Oct. 3.

Chiale, Joseph D., Clifton, N. J. Bath implement. 2,514,934, July 11.

Chicago Bridge & Iron Company, assignee: *See*—
Allen, John W.
Arnold, Joseph G., and Piggott.
Boardman, Harry C.
Boardman, Harry C., Goldsby, and Orr.
Boberg, Irving E.
Booz, Frederick B.
Brown, Richard A.
Fraser, Edward S.
Goldsby, Fred L., and Orr.
Horton, George T.
Lebedeff, Michael N.
Michaels, Ernest E.
Moyer, Frederick D., and Fraser.
Orr, Clifford M., and Goldsby.
Wissmiller, Ivan L.

Chicago Cardboard Company, assignee: *See*—
Burr, Ned.

Chicago Coin Machine Co., assignee: *See*—
Heide, Stanford M.
Koci, Jerry C.

Chicago Development Company, assignee: *See*—
Hood, Donald R., and Stanley R.

Chicago Eye Shield Company, assignee: *See*—
Malcom, Robert L.

Chicago Forging and Manufacturing Company, assignee: *See*—
Sigel, Carl A.

Chicago Hardware Foundry Company, The, assignee: *See*—
Oliver, Conrad J., and Kupski.

Chicago Lighthouse For The Blind, The, assignee: *See*—
Severson, Alfred L., and Sherman.

Chicago Metal Mfg. Co., assignee: *See*—
Hauf, George F.

Chicago Metallic Manufacturing Company, assignee: *See*—
Langel, Adrien L.

Chicago Mill and Lumber Company, assignee: *See*—
Byers, Ralph J.
Christian, Moss B., and Ladd.
Ware, Richard N., Jr., and Cannon.

Chicago Musical Instrument Co., assignee: *See*—
Briggs, Quentin L., and Voyls.

Chicago Nipple Manufacturing Company, assignee: *See*—
Mackintosh, Donald D. R.

Chicago Pharmacal Company, assignee: *See*—
Mellan, Ibert.

Chicago Pneumatic Tool Company, assignee: *See*—
Amtsberg, Lester A., and Olson.
Lear, Earl B.
Maurer, Spencer B., and Ebert.
Nast, Paul H.
Richardson, Julius R.
Tucker, Mana L.

Chicago Pump Company, assignee: *See*—
Dressler, Max.
Katow, Masakazu S.
Morgan, Philip F.
Morgan, Philip F., and Lawrenz.

Chicago Railway Equipment Company, assignee: *See*—
Ekjolm, Herbert W.
Lewis, Frank W.
Van Sweringen, Harry M.
Walker, Samuel J.
Chicago Rawhide Manufacturing Company, assignee: *See*—
Isenbarger, Robert O.
Krug, Louis G.
Ulseth, Thomas M.
Vedovell, Rudolph J.
Chicago Roller Skate Company, assignee: *See*—
Ware, Robert R., Jr.
Chicago Seal Co., assignee: *See*—
Goldberg, Herman N., and Karlberg.
Chicago Show Printing Co., assignee: *See*—
Leander, Russell J.
Chicago Specialty Mfg. Co. Inc., assignee: *See*—
Bachli, Herman, and Shapiro.
Chicago Telephone Supply Company, assignee: *See*—
Budd, Wilbert H., Arisman and Thompson.
Franks, Albert E., Rawlings, and Arisman.
Vaksvik, Adrian J., and Arisman.
Chicago Vitreous Enamel Products Co., assignee: *See*—
Meacham, Floran L., and Greenberg.
Chickering, Alfred M.: *See*—
Chickering, Robert L. and A. M.
Chickering, Earnest E., Belding, Mich. Harvester for onions and the like. 2,531,379, Nov. 28.
Chickering, Robert L., and A. M. Chickering, assignors to Chickering Vegetable Equipment Co., Inc., Belding, Mich. Powered vehicle accommodating workers in prone position. 2,518,418, Aug. 8.
Chickering Vegetable Equipment Co., Inc., assignee: *See*—
Chickering, Robert L., and A. M.
Chicksan Company, assignee: *See*—
Bagnard, Gus M.
Faccou, Armand L.
Warren, Doyle C.
Chicoine, Louis P., Dorion-Vaudreuil, Quebec, Canada. Rail-handling tool. 2,502,246, Mar. 28.
Chicopee Manufacturing Corporation, assignee: *See*—
Smith, John J.
Chicopee Manufacturing Corporation of Georgia, assignee: *See*—
Platt, James C.
Chiego, Bernard, Newark, N. J., assignor of one-half to Clark-Babbitt Industries, Inc., Boston, Mass. Detoxifying and stabilizing castor beans. 2,516,299, July 25.
Chikan, Anthony, New York, N. Y. Radio time tuning device. 2,533,877, Dec. 12.
Chilcott, Frank E., Glendale, Calif., assignor to Viber Company. Form vibrator. 2,501,158, Mar. 21.
Children's Furniture Corporation, assignee: *See*—
Wickman, Howard G.
Childress, Patrick H., assignor of one-fourth to D. W. May, Waynesboro, Va. Combined ignition and starter switch. 2,529,916, Nov. 14.
Childs, Garrett D., and P. J. Warnke, Burbank, Calif., said Warnke assignor to said Childs. Trigger lock for firearms. 2,512,140, June 20.
Childs, Gilbert C., III, assignor to Hamilton Watch Company, Lancaster, Pa. Cannon pinion indenting fixture. 2,535,483, Dec. 26.
Childs, Percy A.: *See*—
Towner, Stanley H., and Childs.
Chilean Nitrate Sales Corporation, assignee: *See*—
Loonam, Alfred C.
Chiles, John H., Jr., Sharon, Pa., and H. C. Hood, Brookfield, Ohio, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrical transformer. 2,519,224, Aug. 15.
Chillemi, Joseph, Yonkers, N. Y. Lifesaving device. 2,500,661, Mar. 14.
Chillson, Charles W.: *See*—
Brady, George W., and Chillson.
Chillson, Charles W., Caldwell, N. J., and E. P. Palmatier, Solvay, N. Y., assignors to Curtiss-Wright Corporation. Propeller blade antiicing means. 2,510,170, June 6.
Chilman, John A., Gloucester, A. G. Mapp, Cheltenham, and E. H. Morris, Ashstead, assignors to Rotol Limited, Gloucester, England. Synchronizing and speed control device. 2,514,178, July 4.
Chilo, Paul, Chicago, Ill. Lamp shade holder. 2,495,209, Jan. 24.
Chilowsky, Constantin, New York, N. Y. Method and apparatus for intensifying electronic images. 2,495,697, Jan. 31.
Chilowsky, Constantin, New York, N. Y. Reproducing television images. 2,500,929, Mar. 21.
Chilowsky, Constantin, New York, N. Y. Pyrophoric ignition. 2,503,472, Apr. 11.
Chilowsky, Constantin, New York, N. Y. Method and apparatus for improving the response of radio-sensitive salts. 2,508,098, May 16.
Chilowsky, Constantin, New York, N. Y. Method and apparatus for producing electrical and mechanical energy from thermal energy. 2,510,800, June 6.
Chilowsky, Constantin, New York, N. Y. Method and apparatus for producing electrical and mechanical energy from thermal energy. 2,510,801, June 6.
Chilson, Lloyd E., San Francisco, Calif. Signaling device. 2,495,698, Jan. 31.
Chilton, Allan, assignee: *See*—
Chilton, Roland.
Chilton, Roland, assignor to A. Chilton and W. E. Valk, Ridgewood, N. J. Toroidal transmission. 2,493,571, Jan. 3.
Chilton, Roland, Ridgewood, N. J., assignor to Wright Aeronautical Corporation. Multiple individual screw shift clutch rings. 2,515,114, July 11.
Chilton, Roland, Ridgewood, N. J., assignor to Wright Aeronautical Corporation. Internal-combustion engine and connecting rod structure therefor. 2,533,558, Dec. 12.
Chimie & Atomistique, assignee: *See*—
Libermann, David.
Chin, Pao H.: *See*—
Knauth, Berthold A., and Chin.
Chin, Pao H., Cranford, N. J., and B. A. Knauth, Bolton, assignors to The Motorspeed Corporation, New York, N. Y. Thyratron control system. 2,528,688, Nov. 7.
Chincholl, Edwin R., Glendale, Calif. Abdominal appliance. 2,520,831, Aug. 29.
Chinn, Arthur J.: *See*—
Flight, Theodore N., Wilson, and Chinn.
Satchwell, Leonard, Wilson, and Chinn.
Wilson, William H., and Chinn.
Chinn, George I., Baltimore, Md., assignor to Gerotor May Corporation. Fluid distributing valve. 2,500,627, Mar. 14.
Chiodine, Samuel F.: *See*—
Lawson, Robert H., and Chiodine.
Chipley, Alfred S.: *See*—
Hoyle, Robert L., Gallagher, and Chipley.
Chipman, John F., South Weymouth, Mass., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Pneumatic interlocking device for preventing improper closing of a circuit breaker. 2,533,559, Dec. 12.
Chipper Equipment Company, Inc., assignee: *See*—
Von Haase, Victor A.
Chipps, Dale L., Davis Dam, Nev. Trailer axle and spring suspension. 2,511,046, June 13.
Chireix, Henri, Paris, France, assignor to Compagnie Generale de Telegraphic Sans Fil. Telegraph system. 2,512,768, June 27.
Chireix, Henri, Paris, France, assignor to Societe Francaise Radio-Electrique. Power amplication system for very short waves. 2,529,073, Nov. 7.
Chireix, Henri, Paris, France, assignor to Societe Francaise Radio Electrique. Aerial navigation. 2,530,287, Nov. 14.
Chirelstein, Nathan, Maplewood, assignor to Allied Electric Products, Inc., Irvington, N. J. Contact for connecting lamps in selectively rotated positions in screw sockets. 2,523,357, Sept. 26.
Chisam, Eugene D., Los Angeles, Calif., assignor to Northrop Aircraft, Inc. Pin-setting machine. 2,522,992, Sept. 19.
Chisholm, Clifton, assigner of one-fourth to M. F. Chisholm, Cleveland Heights, and one-half to H. C. Osborn, Cleveland, Ohio. Keyboard operated printing machine. 2,506,701, May 9.
Chisholm, Clifton, assignor of one-fourth to M. F. Chisholm, Cleveland Heights, and one-half to H. C. Osborn, Cleveland, Ohio. Variable feed mechanism for typewriters or the like. 2,506,702, May 9.
Chisholm, Clifton, assignor of one-fourth to M. F. Chisholm, Cleveland Heights, and one-half to H. C. Osborn, Cleveland, Ohio. Key locking mechanism for keyboard controlled machines. 2,506,703, May 9.
Chisholm, Clifton, assignor of one-fourth to M. F. Chisholm, Cleveland Heights, and one-half to H. C. Osborn, Cleveland, Ohio. Type wheel shift mechanism for typewriting machines and the like. 2,506,704, May 9.
Chisholm, Gilbert G., London, assignor to Ferros Metals Research Co., Limited, Toronto, Ontario, Canada. Apparatus for concentrating ores centrifugally. 2,502,704, Apr. 4.
Chisholm, Hurley E., New Smyrna Beach, Fla. Brassière. 2,518,975, Aug. 15.
Chisholm, John A., Erie, Pa. Trailer. 2,512,142, June 20.
Chisholm, Marie F., assignee: *See*—
Chisholm, Clifton.
Chisholm-Ryder Company, Incorporated, assignee: *See*—
Benson, George O.
Chisolm, Howard T., and J. A. Harris, Meridian, Miss. Safety means for treadle operated machinery. 2,525,865, Oct. 17.
Chiswik, Haim H., East Orange, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Apparatus for the production of steel. 2,515,631, July 18.
Chittenden, George E., Warwickshire, assignor to The Keelavite Company Limited, Allesley, Coventry, Warwickshire, England. Control of end clearances of rotors. 2,498,911, Feb. 28.
Chittenden, John P., Bournemouth, and R. J. Welsh, Rugby, assignors to The English Electric Company Limited, London, England. Prime mover supplied by gas generators. 2,502,127, Mar. 28.
Chivers & Sons Limited, assignee: *See*—
Baker, George L., and Olliver.
Chiville, Leslie L., Jr., Carpentersville, Ill. Hydraulic planetary transmission. 2,534,104, Dec. 12.
Chloride Electrical Storage Company Limited, The, assignee: *See*—
Gray, Robin, and Jones.

Chmelar, Václav, assignor to Bata, Narodni Podnik, Zlin, Czechoslovakia. Latch operated clutch. 2,510,497, June 6.

Choate, Thomas H., Tuckerman, Ark. Multipurposed fixture for abrasive grinding wheels. 2,502,705, Apr. 4.

Chocacki, Joseph, and A. Zak, Detroit, Mich. Construction of cradles. 2,493,655, Jan. 3.

Choco-Essence Inc., assignee: *See*—
Masurovsky, Benjamin I.

Chodacki, Joseph P., and J. Kaminski, Detroit, Mich. Fire escape. 2,526,065, Oct. 17.

Chodziesner, Georg F., Bondi, near Sydney, New South Wales, assignor to Communication Engineering Pty. Limited, Sydney, New South Wales, Australia. Article dispensing system. 2,501,712, Mar. 28.

Choice, Frank C., Leicester, England, assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for working uppers over lasts. 2,524,883, Oct. 10.

Choice, Frank C., and C. H. James, Leicester, England, assignors to United Shoe Machinery Corporation, Flemington, N. J. End lasting maching for stitchdown shoes. 2,524,882, Oct. 10.

Chollar, Robert G., and C. G. Dudis, assignors to The National Cash Register Company, Dayton, Ohio. Ribbon inking and control thereof. 2,511,148, June 13.

Chomis, George J.: *See*—
Cheeseman, George W., and Chomis.

Choppa, John T., New Haven, Conn. Safety electrical switch attachment. 2,523,943, Sept. 26.

Chorlton, Herbert, Huntington, N. Y. Reversible adjustable checking gauge. 2,507,961, May 16.

Chorpening, Creed M., assignor to The Astatic Corporation, Conneaut, Ohio. Ground lug. 2,513,147, June 27.

Chouinard, Alfred F.: *See*—
Mott, Chester, and Chouinard.
Mott, Chester, Chouinard, and Tylutki.

Chrastina, John, assignor of twenty-four and one-half per cent to W. Diefenthaler and twenty-four and one-half per cent to C. C. Poarch, Decatur, Ill. Receptacle for a switch. 2,531,350, Nov. 21.

Christ, Joseph G., Pittsburgh, Pa., and R. L. Ferguson, Bronx, N. Y., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Brazing flux. 2,504,802, Apr. 18.

Christ, Robert E., Elizabeth, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Stabilized iron pentacarbonyl and motor fuel containing the same. 2,493,712, Jan. 3.

Christ, Robert E., Elizabeth, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Stabilized iron pentacarbonyl and motor fuel containing the same. 2,493,713, Jan. 3.

Christ, Robert E., Elizabeth, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Stabilized iron pentacarbonyl and motor fuel containing the same. 2,493,714, Jan. 3.

Christ, Robert E., Elizabeth, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Stabilized iron pentacarbonyl and motor fuel containing the same. 2,493,715, Jan. 3.

Christ, Robert E., Elizabeth, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Stabilized iron pentacarbonyl and motor fuel containing the same. 2,493,716, Jan. 3.

Christ, Robert E., Elizabeth, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Stabilized iron pentacarbonyl and motor fuel containing the same. 2,493,717, Jan. 3.

Christ, Robert E., Elizabeth, N. J., assignor to U. S. Industrial Chemicals, Inc., New York, N. Y. Dialkyl silane derivative of ricinoleic acid ester. 2,496,335, Feb. 7.

Christ, Robert E., Elizabeth, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Stabilized iron carbonyl. 2,514,312, July 4.

Christaldi, Peter S.: *See*—
Kline, Melvin B., and Christaldi.

Christen, Charles, Hastings on Hudson, N. Y. Decimal point locator for slide rules. 2,526,730, Oct. 24.

Christen, Earl W., Toledo, Ohio. Fishline reel pole mounting. 2,498,648, Feb. 28.

Christensen, Alfred, assignor to Stewart-Warner Corporation, Chicago, Ill. Windshield wiper. 2,499,298, Feb. 28.

Christensen, Alfred C., Chicago, assignor, by mesne assignments, to H. S. Simpson, Evanston, Ill., as trustee. Method of and apparatus for sand recovery. 2,515,194, July 18.

Christensen, Alfred C., Chicago, assignor, by mesne assignments, to H. S. Simpson, Evanston, Ill., as trustee. Sand recovery apparatus. 2,530,651, Nov. 21.

Christensen, Byron C., Oklahoma City, Okla. Combination traveling block and swivel connection. 2,508,595, May 23.

Christensen, Carl W.: *See*—
Ralston, Anderson W., Turinsky, and Christensen.

Christensen, Charles L., Woden, Iowa. Hitch. 2,513,003, June 27.

Christenson, Edward A., Los Angeles, Calif. Shaper blade holder. 2,520,116, Aug. 29.

Christensen, Gjerlow G., Hartford, Conn. Notching machine. 2,526,851, Oct. 24.

Christensen, Hans, Salem, Oreg. Saw setting device. 2,502,706, Apr. 4.

Christensen, Jens H., Holte, Denmark. Sensitive photographic emulsions. 2,517,541, Aug. 8.

Christensen, Kaj S., Norwalk, Conn., assignor, by mesne assignments, to S. Briskman, New York, N. Y. Pinking machine. 2,520,529, Aug. 29.

Christensen, Leo M., Lincoln, Nebr., assignor to National Agrol Company, Washington, D. C. Producing light-colored sirups. 2,503,241, Apr. 11.

Christensen, Leonard W., Milwaukee, Wis. Variable speed alternating current motor. 2,507,399, May 9.

Christensen Machine Company, The, assignee: *See*—
Belluche, Elmer W., and F. R.

Christensen, Niels A., South Euclid, Ohio. Reversing valve. 2,496,036, Jan. 31.

Christensen, Niels A., South Euclid, Ohio. Apparatus and system for fluid control. 2,501,661, Mar. 28.

Christensen, Niels A., South Euclid, Ohio. Slide valve. 2,509,671, May 30.

Christensen, Niels A., South Euclid, Ohio. Sealing device. 2,509,672, May 30.

Christensen, Norman V., Chicago, and G. Sauer, Berwyn, assignors to Union Special Machine Company, Chicago, Ill. Sewing unit. 2,511,047, June 13.

Christensen, Norman V., and C. F. Rubel, assignors to Union Special Machine Company, Chicago, Ill. Sewing machine. 2,530,860, Nov. 21.

Christensen, Oscar E., Salt Lake City, Utah. Clarinet. 2,506,489, May 2.

Christensen, Raymond E., assignee: *See*—
King, John M.

Christensen, Viggo, Milwaukee, Wis. Self-contained boat trailer. 2,500,602, Mar. 14.

Christenson, Charles, Chicago, Ill. Method and apparatus for making saws. 2,510,462, June 6.

Christenson, Donald L., Haddon Heights, N. J., assignor to Radio Corporation of America. Oscillation generator circuit. 2,532,834, Dec. 5.

Christenson, George L.: *See*—
Van Dolah, Robert W., Christenson, and Shelton.

Christenson, Nils H., Wyoming, Ohio. Attachment unit for acetylene torches. 2,524,098, Oct. 3.

Christenson, Roger M.: *See*—
Vogel, Henry A., and Christenson.

Christenson, Roger M., Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Preparation of break-free glyceride oils. 2,510,379, June 6.

Christenson, Roger M., and S. W. Gloyer, Milwaukee, Wis., assignors to Pittsburgh Plate Glass Company. Fractionation of tall oil. 2,530,809, Nov. 21.

Christenson, Roger M., and S. W. Gloyer, Milwaukee, Wis., assignors to Pittsburgh Plate Glass Company. Separation of unsaponifiable matter from tall oil residue. 2,530,810, Nov. 21.

Christian, Edward C., and J. C. Diehl, Philadelphia, Pa. Cam grinding device. 2,534,231, Dec. 19.

Christian, Frank M., Ventura, Calif. Airplane motor. 2,501,315, Mar. 21.

Christian, John E., and G. L. Jenkins, La Fayette, Ind., assignors to Purdue Research Foundation. Aluminum methionate. 2,504,107, Apr. 18.

Christian, Joseph B., New York, N. Y. Gauging apparatus for aligning shafts. 2,516,854, Aug. 1.

Christian, Joseph D., San Francisco, Calif. Gear reduction unit. 2,503,027, Apr. 4.

Christian, Joseph D., San Francisco, Calif., assignor to The American Pulley Company, Philadelphia, Pa. Reduction gear. 2,504,066, Apr. 11.

Christian, Lorin M., Atlanta, Ga. Electric motor. 2,517,462, Aug. 1.

Christian, Moss B., Tallulah, and H. F. Ladd, Delhi, La., assignors to Chicago Mill and Lumber Company, Chicago, Ill. Glue. 2,494,744 Jan. 17.

Christian, Ray H., Wauwatosa, assignor to Milwaukee Lock & Mfg. Co., Milwaukee, Wis. Engine governor. 2,527,352, Oct. 24.

Christian, Ray H., Wauwatosa, assignor to Milwaukee Lock & Mfg. Co., Milwaukee, Wis. Engine governing apparatus. 2,527,353, Oct. 24.

Christian, Ray H., Wauwatosa, assignor to Milwaukee Lock & Mfg. Co., Milwaukee, Wis. Engine speed governor. 2,527,354, Oct. 24.

Christian, Raymond A., assignor to The National Cash Register Company, Dayton, Ohio. Differential setting mechanism for printing machines. 2,503,865, Apr. 11.

Christian, Raymond A., Oakwood, assignor to The National Cash Register Company, Dayton, Ohio. Tens transfer mechanism for totalizers. 2,503,800, Apr. 11.

Christian, Raymond A., Oakwood, and W. L. Paden, assignors to National Cash Register Company, Dayton, Ohio. Clutch control mechanism for calculating machines. 2,500,346, Mar. 14.

Christian, Schuyler M., Decatur, Ga., assignor to Radio Corporation of America. Friction measuring device. 2,531,906, Nov. 28.

Christiano, Frank and N., Hartford, Conn. Baffle type muffler with plural tubular passages. 2,499,018, Feb. 28.

Christiano, Nicholas: *See*—
Christiano, Frank and N.

Christiansen, Andrew L., Willowbrook, Calif. Can packing machine. 2,518,223, Aug. 8.

Christiansen, Andrew L., Willowbrook, Calif. Bulk feed fish machine. 2,535,349, Dec. 26.

Christiansen, Christian, Lille Foren, V. Aker, near Oslo, and G. O. K. Rüsch, Mandal, Norway. Circular loom for weaving of hose. 2,514,842, July 11.
Christiansen, Christian, Swampscott, Mass. Box sealing machine. 2,499,461, Mar. 7.
Christiansen, Milton J., and R. J. Detuno, Chicago, Ill., and H. W. Garbe, Madison, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Apparatus for manufacturing radio tubes. 2,533,919, Dec. 12.
Christiansen, Shirley R., St. Cloud, Minn. Lawn edging spade attachment. 2,532,147, Nov. 28.
Christie, Alonzo B.: *See*—
Burry, William C., and Christie.
Christie, Claude T.: *See*—
Bennett, Charles J., Christie, and Cuddyre.
Christie, Gloria H., Flushing, N. Y. Hair and scarf clasp. 2,510,554, June 6.
Christie, Harold F., Caldwell, N. J. Adjustable supplemental table top for power-driven tools. 2,523,680, Sept. 26.
Christie, John E., Miami Beach, Fla. Tow skiff. 2,524,188, Oct. 3.
Christie, John K., New City, N. Y. Pocket flight position indicator. 2,516,677, July 25.
Christie, Lewis D., assignor to Remington Arms Company, Inc., Bridgeport, Conn. Article orienting means. 2,510,555, June 6.
Christie, Llewellyn M., assignor to National Fireproofing Corporation, Pittsburgh, Pa. Cable protector. 2,506,064, May 2.
Christie, Ralph C.: *See*—
Pratt, Elbert H., and Christie.
Christie, Robert K., assignor to Champion Spark Plug Company, Toledo, Ohio. Spark plug cleaning apparatus. 2,515,336, July 18.
Christie, Robert K., assignor to Champion Spark Plug Company, Toledo, Ohio. Aviation spark plug. 2,526,933, Oct. 24.
Christie, Soren L., Los Angeles, Calif. Cooling system. 2,516,184, July 25.
Christman, Harold E., San Jose, Calif. Air circulation control for refrigerator trucks. 2,525,866, Oct. 17.
Christman, Harold E., San Jose, Calif. Refrigerating system having air circulating means. 2,530,598, Nov. 21.
Christman, Peter J., Green Bay, Wis. Web winding machine. 2,507,144, May 9.
Christmann, William F., assignor to Kroeschell Engineering Co., Chicago, Ill. Air-conditioned elevator. 2,532,268, Nov. 28.
Christoffersen, Eivind B., Ogema, Wis. Putlog supporting clip. 2,495,408, Jan. 24.
Christofilos, Nicolas C., or N. C. Philos, Athens, Greece. Electron accelerating apparatus. 2,531,028, Nov. 21.
Christopher, Audy W.: *See*—
Sitnick, Peter A., and Christopher.
Christopher, Claude J., Los Angeles, Calif. Vegetable chopper and dicer. 2,505,096, Apr. 25.
Christopher, Edward F.: *See*—
Young, Harland H., and Christopher.
Christopher, Terence R., London, England. Threading toolholder with adjustable limit stop. 2,532,148, Nov. 28.
Christy, Nixon O., assignor to H. J. Maulbetsch, Portland, Oreg. Electric furnace. 2,494,035, Jan. 10.
Chrome-Gold Alloys Inc., assignee: *See*—
Tifft, Dalmar A.
Chromium Mining and Smelting Corporation, Limited, assignee: *See*—
Griffiths, Frederick J.
Chromogen, Incorporated, assignee: *See*—
Gaspar, Bela.
Chronic, Clarence C., Freeport, Ill., and C. A. Shaffer, Pasadena, Calif., assignors to Lever Motors Corporation, Wheaton, Ill. Lever engine action. 2,493,718, Jan. 3.
Chrysler Corporation, assignee: *See*—
André, Peter C.
Auten, Jay C.
Bailey, Edgar L.
Balden, Alvin R., and Morse.
Bauer, Clarence G.
Blue, Roy E.
Breer, Carl, Zeder, and Cousino.
Brush, Alanson P.
Calkins, William G., and Upham.
Clark, Bruce E.
Dickson, John B.
Dudley, John C.
Forman, Louis B.
Gilbert, Alva B.
Hendrick, John V.
Herreshoff, Alexander G.
Herreshoff, Alexander G., and Butterfield.
Iavelli, Teno.
Janeway, Robert N.
Knocke, Louis T.
La Brie, Ludger E.
Lickteig, Edward G.
Mayrath, Robert L.
McKechnie, Ian C., and Ball.
Neeson, Charles R.
Neracher, Carl A.
Newton, Alwin B.
Chrysler Corporation, assignee: *See*—Continued.
Nims, Paul T.
Patterson, Matthew C.
Patterson, Matthew C., and Baker.
Pennington, Gordon R.
Phelan, Hubert S.
Redenbaugh, Gerald E.
Robinson, Maurice C.
Rodger, Robert M.
Scoville, Robert W.
Smith, Robert F.
Toot, David F., and Matulaitis.
Utz, Chester C.
Van Der Sluys, William.
Waelde, William E.
Wallace, David A.
Wyckoff, Paul W.
Chrysler, Lewis H., and E. F. Almy, Columbus, Ohio, assignors to M & R Dietetic Laboratories, Inc. Preparation of a stabilized cream product. 2,503,866, Apr. 11.
Chrystal Research Laboratories, Incorporated, assignee: *See*—
Andersen, Walther M. A.
Chubb, Alexander A.: *See*—
Fairbairn, Eric P., and Chubb.
Chubbuck, Horace A., assignor to Ford Motor Company, Dearborn, Mich. Oil separator for crankcase vapors. 2,493,617, Jan. 3.
Chupp, Warren W., Berkeley Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Flanged joint sealing gasket. 2,532,891, Dec. 5.
Church, Albert E., assignor to Union Manufacturing Company, New Britain, Conn. Fluid pressure operated chuck. 2,509,673, May 30.
Church, Albert E., assignor to Union Manufacturing Company, New Britain, Conn. Jaw adjustment for chucks. 2,513,284, July 4.
Church, Arthur G., Madison, Wis. Flower holder. 2,517,842, Aug. 8.
Church, Herman S., Cuyahoga Falls, assignor to The Monarch Rubber Company, Hartville, Ohio. Hose construction. 2,503,934, Apr. 11.
Church, J. Frank, Bartlesville, Okla., assignor to Phillips Petroleum Company. Preparation of catalytic bodies. 2,500,801, Mar. 14.
Church, J. Frank, Bartlesville, Okla., assignor to Phillips Petroleum Company. Pebble heater process. 2,531,725, Nov. 28.
Church, J. Frank, Bartlesville, Okla., assignor to Phillips Petroleum Company. Pebble heater. 2,532,606, Dec. 5.
Church, Sam D., Cleveland Heights, Ohio. Tent. 2,509,759, May 30.
Church, Walter L., Houston, Tex. Safety joint. 2,500,276, Mar. 14.
Churchill, Basil L., Brewster, Wash. Carloading jack. 2,507,769, May 16.
Churchill, Donald L., assignee: *See*—
Voytershark, Frank P., and Churchill.
Churchill, Donald L., and D. L. Scott, Devon, Conn. Can opener and pouring holder. 2,535,783, Dec. 26.
Churchill, George R., Hingham, Mass. Buffing wheel. 2,522,092, Sept. 12.
Churchill, George R., Hingham, Mass. Buffing wheel. 2,522,093, Sept. 12.
Churchill, George R., Hingham, Mass. Buffing wheel. 2,522,094, Sept. 12.
Churchill, Harold E., assignor to The Studebaker Corporation, South Bend, Ind. Spring suspension for vehicles. 2,496,906, Feb. 7.
Churchill, Harold E., P. V. Haigh, and H. O. Zander, assignors to The Studebaker Corporation, South Bend, Ind. Transmission. 2,505,171, Apr. 25.
Churchill, John W., Kenmore, N. Y., assignor to Mathieson Chemical Corporation. Azeotropic distillation of vinyl aromatic compounds. 2,527,916, Oct. 31.
Churchill Machine Tool Company Limited, The, assignee: *See*—
Asbridge, George H.
Churchill, Ralph H., Chicago, Ill. Candle follower. 2,503,236, Apr. 11.
Churchill, Ralph H., Chicago, Ill. Candle and candle holder. 2,519,544, Aug. 22.
Churchill, Wilmer H., Saugus, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Fastener clip. 2,511,801, June 13.
Churchill, Wilmer H., Saugus, assignor to United-Carr Fastener Corporation, Cambridge, Mass. T-head molding fastener with tensioning member. 2,531,351, Nov. 21.
Churchill, Wilmer H., Saugus, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Turnable T-member type molding fastener. 2,531,352, Nov. 21.
Churchill, Wilmer H., Saugus, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Receptacle and closure fastener therefor. 2,534,105, Dec. 12.
Churchman, Nellie, executrix: *See*—
Churchman, Russell C.
Churchman, Russell C., Des Moines, Iowa; N. Churchman, executrix of said R. C. Churchman, deceased. Draining accumulated moisture from storage tanks. 2,505,663, Apr. 25.
Churchman, Russell C., deceased, Des Moines, Iowa; N. Churchman, executrix of said R. C. Churchman. Valve used as a control. 2,532,607, Dec. 5.

Churn, Charles R.: *See*—
Lisle, William G., and Churn.

Chuy, Nicholas, assignor to Herbnick Manufacturing and Engineering Co., Inc., Detroit, Mich. Spark plug for controlling heat ranges. 2,497,862, Feb. 21.

Chyba, Joseph A., assignor to Hydro-Form Corporation, Baltimore, Md. Shape-forming device. 2,507,194, May 9.

Ciaccio, Peter L., Los Angeles, Calif. Winch belt-clutch. 2,505,277, Apr. 25.

Ciambriello, Sam, Tuckahoe, N. Y. Golf ball retriever. 2,523,942, Sept. 26.

Ciambrone, Frederick P., and E. W. Goral, Rochester, N. Y., assignors to Stromberg-Carlson Company. Wire insulating apparatus. 2,507,589, May 16.

Ciano, Florence, St. Albans, N. Y. Candle residue dispenser. 2,530,288, Nov. 14.

Ciba, Joseph J., Mansfield Center, Conn. Chain saw. 2,515,550, July 18.

Ciba Limited, assignee: *See*—
Ackermann, Franz, and Meyer.
Albrecht, Otto, Frei, and Landolt.
Albrecht, Otto, Sallmann, and Graenacher.
Brunner, Albert.
Felix, Friedrich, Heckendorn, Reich and Oesterlein.
Felix, Friedrich, and Mueller.
Fioroni, Walter.
Friedrich, Felix, and Heckendorn, Reich, and Oesterlein.
Graenacher, Charles, Usteri, and Geiger.
Grossmann, Paul, and Kern.
Hanhart, Walter.
Holbro, Theodor, Sutter and Kern.
Huber, Wilhelm, and Krauer.
Jenny, Walter, and Kern.
Kaiser, Otto.
Koch, Jacob.
Lambelet, Lucien, and Jaeck.
Moergell, Eduard, Sutter, and Kern.
Ruzicka, Leopold and Prelog.
Sallmann, Richard.
Sallmann, Richard, and Graenacher.
Schibler, Luzius.
Schmid, Max and Johner.
Sutter, Paul, and Kern.
Usteri, Eduard, and Graenacher.
Widmer, Willy, and Buehler.
Widmer, Willy, Heckendorn, and Mannhart.
Widmer, Willy, and Mannhart.
Widmer, Willy, and Zollinger.

Ciba Pharmaceutical Products, Inc., assignee: *See*—
Djerassi, Carl, and Scholz.
Druey, Jean.
Hartmann, Max, Druey, and Allemann.
Hartmann, Max, and Panizzon.
Hoffmann, Karl, and Tagmann.
Hofman, Klaus.
Hofmann, Klaus.
Isler, Hans.
Isler, Hans, Schellenberg, and Urech.
Meier, Rolf, and Bucher.
Miescher, Karl, and Anner.
Miescher, Karl, and Heer.
Miescher, Karl, Heer, Billeter, and Anner.
Miescher, Karl, and Kaegi.
Miescher, Karl, and Klarer.
Miescher, Karl, Marxer, and Urech.
Miescher, Karl, and Meystre.

Cibie, Pierré, Paris, France. Adjustable spring pivot for relay armatures. 2,509,724, May 30.

Cibrian, Manuel, assignor to Ronson Art Metal Works, Inc., Newark, N. J. Cigar lighter casing construction. 2,508,882, May 23.

Cicchetti, Eugene G., assignee: *See*—
Turley, Jerome W.

Cicero, Ralph S., Waterbury, Conn. Paste dispenser. 2,515,440, July 18.

Cichetti, Grace J., Ozone Park, N. Y. Diaper. 2,509,858, May 30.

Cierva Autogiro Company, The, assignee: *See*—
Pullin, Cyril G.

Cierva Autogiro Company Limited, The, assignee: *See*—
Pullin, Cyril G.
Watson, Kenneth.

Cieslak, Leo, Salem, Oreg. Trash clearing device for harrow teeth and the like. 2,520,117, Aug. 29.

Cihlar, Anthony J., Riverside, Ill., and W. E. Moore, St. Paul, Minn., assignors to Western Electric Company, Incorporated, New York, N. Y. Electrical protective device. 2,530,228, Nov. 14.

Cikanek, James, assignee: *See*—
Campbell, Eldon E.

Cilag Limited, assignee: *See*—
Richter, Carl.
Suter, Hans.

Cimbura, Joseph W., Newport, and E. C. Ives, assignors to Mueller Can and Tube Co., St. Paul, Minn. Powder sprayer. 2,518,522, Aug. 15.

Cimbura, Joseph W., Newport, and E. C. Ives, assignors to Mueller Can and Tube Co., St. Paul, Minn. Powder sprayer. 2,518,523, Aug. 15.

Cinch Manufacturing Corporation, assignee: *See*—
Del Camp, Scipione M.
Johanson, Bengt J.

Cincinnati Bickford Tool Company, The, assignee: *See*—
Schauer, Ozni E.

Cincinnati Industries, Inc., assignee: *See*—
Dorst, Paul W.
Rowe, William W.

Cincinnati Metalcrafts, Inc., assignee: *See*—
Carraher, Vincent F.

Cincinnati Milling Machine Co., The, assignee: *See*—
Boehm, Carl A.
Buckles, John Q., Lensky, and Trible.
Cox, Walter A.
Dall, Albert H.
Dall, Albert H., and Schroeder.
Ernst, Hans, and Dall.
Hance, Robert T., and O'Brien.
Hassman, Fred A., and Vancil.
Nenninger, Lester F., and Hassman.
Romaine, Millard, and Roehm.
Strauchen, David M., and Garvin.
Waters, Milton V., McDonald, and Baecker.

Cincinnati Planer Company, The, assignee: *See*—
Daugherty, Jesse.

Cinecolor Corporation, assignee: *See*—
Kaylor, James W., Phelps, Jones, and Holm.

Cinema-Television Limited, assignee: *See*—
Buchanan, William H.
Samson, Kurt A. R.

Cinex, Inc., assignee: *See*—
Rowe, Walter, and Adler.

Cintron, Juan E., assignor to J. L. Schohl, South Bend, Ind. Fishing reel. 2,501,378, Mar. 21.

Cipolla, Joseph S., Brooklyn, N. Y. Hair curler. 2,508,374, May 23.

Cipolla, Joseph S., Brooklyn, N. Y. Apparatus for permanently waving hair. 2,508,375, May 23.

Cipriani, Chester, K. I. Robinson, and C. J. Eaton, Toledo, Ohio. Spark plug. 2,503,194, Apr. 4.

Cipriani, Chester, and C. J. Eaton, Toledo, Ohio. Spark plug constructon. 2,516,754, July 25.

Cipriano, Enrico, Johnston, assignor to Roll-Feeds Corporation, Pawtucket, R. I. Intermittent grip with lever actuator. 2,515,032, July 11.

Cipriano, Gandolfo, Dongan Hills, N. Y. Method of and apparatus for shaping and sizing hatbrims. 2,505,460, Apr. 25.

Cipyak, John, assignor of thirty-five percent to F. E. Sterner, Lansford, Pa. Nursing bottle. 2,514,744, July 11.

Circo Products Company, assignee: *See*—
Black, John F.
Black, John F., and Skelly.

Circuit Breakers Corporation, assignee: *See*—
Gubing, Frank.

Cirillo, Lee, East Cleveland, assignor to Towmotor Corporation, Cleveland, Ohio. Industrial truck. 2,517,085, Aug. 1.

Ciringione, Rosaria, Forest Hills, N. Y. Bust support. 2,533,312, Dec. 12.

Ciro Cameras, Inc., assignee: *See*—
Stahl, Rodolphe.

Cirone, William T., assignor of seventy-five per cent to Photocheck Company, Yuma, Ariz. Identification and fingerprint camera. 2,530,758, Nov. 21.

Cisco, Edward S., Highland, Ind., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Refrigerator car floor rack and gutter construction. 2,509,961, May 30.

Cisco, Edward S., Highland, Ind., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Coupler operating rod bracket. 2,520,832, Aug. 29.

Cisin, Harry G., Brooklyn, N. Y. Radio receiver operable for either radio reception or telephone amplification. 2,528,636, Nov. 7.

Cislak, Francis E., assignor to Reilly Tar & Chemical Corporation, Indianapolis, Ind. Pyridylethyl sulfonic acids. 2,508,904, May 23.

Cislak, Francis E., F. A. Karnatz and K. Kelley, assignors to Reilly Tar & Chemical Corporation, Indianapolis, Ind. Alkylcyclohexylmethylpyridines. 2,505,461, Apr. 25.

Cislak, Francis E., and L. H. Sutherland, Indianapolis, Ind. Pyridinium compounds. 2,512,789, June 27.

Cislak, Francis E., and W. R. Wheeler, assignors to Reilly Tar & Chemical Corporation, Indianapolis, Ind. Manufacturing pyridine carboxylic acids. 2,522,163, Sept. 12.

Cislak, Francis E., and M. M. Otto, Indianapolis, Ind. Separating 1,3,4-xylenol and 1,4,2-xylenol from mixtures containing the same and organic base complexes derived therefrom. 2,526,807, Oct. 24.

Cisler, Marvin C., Fayetteville, N. Y., assignor to General Electric Company. Wiring duct. 2,531,110, Nov. 21.

Cisney, Evelyn A.: *See*—
Parrish, William, and Cisney.

Cissell, W. M., Manufacturing Co., Inc., assignee: *See*—
Richterkessing, Frank H.

Ciszki, Irving, Schiller Park, assignor to Ampro Corporation, Chicago, Ill. Locking mechanism for operation-control mechanism for motion-picture cameras. 2,493,443, Jan. 3.

Ciszki, Irving, Schiller Park, assignor to Ampro Corporation, Chicago, Ill. Indexing detent means for optical lens turrets. 2,496,269, Feb. 7.

Cities Service Oil Company, assignee: *See*—
Dermer, Otis C.
Greenwald, Bertrand W., and Cohen.
Heinze, Bennie, and King.
Mastin, Robert G.
Moyer, Melvin I., and Hersh.
Cities Service Research and Development Company, assignee: *See*—
Dermer, Otis C., and Hawkins.
Citso, Steven J., Chicago, Ill. Telephone holder. 2,521,043, Sept. 5.
City Auto Stamping Company, The, assignee: *See*—
Baier, Sydney W., and MacNaughtan.
City National Bank and Trust Company of Chicago, trustee, assignee: *See*—
Frankel, Leo.
City Tank Corporation, assignee: *See*—
Walker, Nelson C., and Gmitter.
Civkin, Victor, Fairfield, and G. M. Macari, South Norwalk, Conn., assignors to General Electric Company. Wall for model building structures. 2,528,211, Oct. 31.
Cizek, Frank G.: *See*—
Hess, Relza J., and Cizek.
Ckola, John L., Minneapolis, Minn. Rotary toothbrush. 2,492,966, Jan. 3.
Claassen, Howard H., Norman, Okla., assignor to Phillips Petroleum Company. Transducer for ultrasonic waves. 2,507,770, May 16.
Claassen, Lawrence L., Webster Groves, Mo., assignor to Socony-Vacuum Oil Company, Incorporated. Fines distributor. 2,511,463, June 13.
Clachko, Josiah S., Ridgefield Park, N. J., assignor, by mesne assignments, to Ritter Company, Inc., Rochester, N. Y. Surgical table with hydraulic adjusting system. 2,520,455, Aug. 29.
Clack, Basil N., Wembley Park, and D. S. Hills, Kenton, England, assignors to General Electric Company. Starting and operating circuit for electric discharge devices. 2,504,498, Apr. 18.
Claesson, Per H. E.: *See*—
Fredholm, Johan O. H., and Claesson.
Claesson, Per H. E., Jakobsberg, and I. W. Grundin, Stockholm, Sweden. Automatic switching arrangement. 2,534,500, Dec. 19.
Claffey, Thomas R.: *See*—
Brazee, Henry S., and Claffey.
Claitor, Lilburn C., and D. B. Crawford, assignors to Elliott Company, Jeannette, Pa. Method and apparatus for liquefying gaseous fluids. 2,509,034, May 23.
Clanahan, Sim V., assignor to Carter Carburetor Corporation, St. Louis, Mo. Carburetor metering control. 2,504,651, Apr. 18.
Clancy, Gilbert E., assignor to Drayer-Hanson, Incorporated, Los Angeles, Calif. Reversible cycle system. 2,530,681, Nov. 21.
Clanton, Albert R., North Hollywood, Calif. Machine for molding concrete blocks. 2,526,198, Oct. 17.
Clapbourn, Glen L., Pittsburgh, and G. G. Gernhardt, Swissvale, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Shield for switchgear enclosures. 2,523,095, Sept. 19.
Clapham, Harry F., Wilmington, Del., and A. L. Smith, Takoma Park, said Smith assignor to Harris Research Laboratories, Bethesda, Md. Imparting shrink resistance to wool. 2,499,987, Mar. 7.
Clapp, Charles W., Scotia, N. Y., assignor to General Electric Company. Variable impedance apparatus. 2,514,935, July 11.
Clapp, Delbert B., Miami, Fla. Fish stringing device. 2,511,696, June 13.
Clapp, Jerome B., North Plainfield, assignor to The Thomas & Betts Co., Elizabeth, N. J. Armor for overhead cable mountings. 2,494,285, Jan. 10.
Clapp, Jerome B., North Plainfield, assignor to The Thomas & Betts Co., Elizabeth, N. J. Aerial cable messenger ring. 2,509,422, May 30.
Clapp, Kenneth S., Cincinnati, Ohio. Tamping device for semiplastic pumps. 2,507,888, May 16.
Clapp, Richard G.: *See*—
Smith, David B., Clapp, Montgomery, Emerson, and Hoffman.
Clapp, Richard G., Haverford, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Electrical system. 2,512,305, June 20.
Clapp, Richard G., Haverford, assignor to Philco Corporation, Philadelphia, Pa. Variable inductance device. 2,534,854, Dec. 19.
Clapp, Richard G., Haverford, and W. E. Bradley, Swarthmore, assignors, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Device for testing pulse type radar system. 2,505,525, Apr. 25.
Clapp, Roger E., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Control of the velocity of phase propagation of electric waves in wave guides. 2,527,477, Oct. 24.
Clapp, William H., Pasadena, Calif. Controlling bit action. 2,495,364, Jan. 24.
Clapper, Clyde E., Kansas City, Mo. Tractor towing hitch. 2,503,935, Apr. 11.
Clapper, Clyde E., Kansas City, Mo. Tractor hitch. 2,507,369, May 9.
Clapper, Clyde E., Kansas City, Mo. Umbrella. 2,528,578, Nov. 7.
Clardy, Le Roy, assignor to Swift & Company, Chicago, Ill. Cloud point indicator. 2,498,941, Feb. 28.
Clare, C. P., & Company, assignee: *See*—
Horlacher, Albert F.
Clare, Irwin C., assignor to Hercules Powder Company, Wilmington, Del. Phonograph record. 2,529,282, Nov. 7.
Clare, Samuel, Maplewood, assignor to Claremould Plastics Company, Newark, N. J. Pouring device. 2,511,429, June 13.
Claremould Plastics Company, assignee: *See*—
Clare, Samuel.
Clarendon, Charles H., Jackson Heights, N. Y. Infant's undershirt and the like. 2,498,528, Feb. 21.
Claret, Lucien, Colombes, France. Fountain pen. 2,519,635, Aug. 22.
Claridge Food Co. Inc., assignee: *See*—
Hoffman, Julian, and Gruff.
Clark, A. F., assignee: *See*—
Smith, Louie F.
Clark, Adna R., Evansville, Ind., assignor to International Harvester Company. Fold-away shelf for refrigerators or the like. 2,517,385, Aug. 1.
Clark, Adna R., Evansville, Ind., assignor to International Harvester Company. Multiple compressor truck refrigeration unit. 2,518,284, Aug. 8.
Clark, Albert F., Los Angeles, and A. Shapiro, Monrovia, Calif., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Pumping viscous petroleum. 2,533,878, Dec. 12.
Clark, Alfred S.: *See*—
Bertrand, Frederic E., and Clark.
Clark, Alfred, Bartlesville, Okla., assignor to Phillips Petroleum Company. Synthesis of hydrocarbons. 2,497,761, Feb. 14.
Clark, Alfred, Bartlesville, Okla., assignor to Phillips Petroleum Company. Process and apparatus for the synthesis of hydrocarbons. 2,500,519, Mar. 14.
Clark, Alfred, Bartlesville, Okla., assignor to Phillips Petroleum Company. Production of diolefins and motor fuel from carbon monoxide and hydrogen. 2,506,065, May 2.
Clark, Alfred, Bartlesville, Okla., assignor to Phillips Petroleum Company. Synthesizing aliphatic amines. 2,518,754, Aug. 15.
Clark, Alfred, Bartlesville, Okla., assignor to Phillips Petroleum Company. Removal of exothermic heat of reaction. 2,526,934, Oct. 24.
Clark, Alfred S., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for making ribbed strips for insoles. 2,498,751, Feb. 28.
Clark, Alfred S., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine and method for use in making ribbed strips for insoles. 2,502,615, Apr. 4.
Clark, Alfred S., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Making ribbed strips for insoles. 2,528,719, Nov. 7.
Clark, Ancel W., Oakland, Calif. Selective two-speed brace. 2,520,456, Aug. 29.
Clark, Arthur E., Ferndale, Mich. Drill and reamer holder. 2,532,058, Nov. 28.
Clark-Babbitt Industries, Inc., assignee: *See*—
Chiego, Bernard.
Clark Bros. Co., Inc., assignee: *See*—
Laverty, Francis W., and Cole.
McNall, Fredlee M.
Clark, Bruce E., and G. K. Vieson, Dearborn, Mich. Radiator pressure cap. 2,521,201, Sept. 5.
Clark, Bruce E., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Wiper for limited contact disk brakes. 2,496,699, Feb. 7.
Clark, Bruce E., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Fluid pressure operated disk brake with compensating piston. 2,533,093, Dec. 5.
Clark, Bullard, Company, The, assignee: *See*—
Crocker, John C.
Moe, J. Edgar.
Clark, C. & J., Limited, assignee: *See*—
Graves, Alfred L.
Mackay, James E.
Clark, Carl L., Warren, assignor to Mullins Manufacturing Corporation, Salem, Ohio. Making wheel hubs. 2,492,967, Jan. 3.
Clark, Carleton L., New York, N. Y. Suction box. 2,503,436, Apr. 11.
Clark, Carmelita M., assignee: *See*—
Clark, Edward J.
Clark, Charles A.: *See*—
Anish, Alfred W., and Clark.
Clark, Charles C., Kenmore, assignor to Mathieson Chemical Corporation, New York, N. Y. Insecticidal compositions containing primary polyhalophenylethylamine. 2,504,803, Apr. 18.
Clark, Charles C., Kenmore, N. Y., assignor to Mathieson Chemical Corporation. Rubbery copolymer of butadiene and alpha-methyl 2,4-dichlorostyrene. 2,522,491, Sept. 19.
Clark & Clark Co., assignee: *See*—
Goggin, Theodore C.
Mackay, James E.

Clark Controller Company, The, assignee: *See*—
Few, William.
Tregoning, William C.
Clark, Converse V., Toledo, Ohio, assignor to The Chase Bag Company, New York, N. Y. Web former and cutter for satchel bottom paper bags. 2,533,433, Dec. 12.
Clark, David L., and J. F. Young, Bridgeport, Conn., assignors to General Electric Company. Column spring snap switch. 2,501,497, Mar. 21.
Clark, David L., and J. F. Young, Bridgeport, Conn., assignors to General Electric Company. Column spring switch. 2,512,306, June 20.
Clark, David M., Worcester, Mass., and E. H. Wood, Rochester, Minn., said Wood assignor to said Clark. Garment or attachment for controlling the distribution, pressure and circulation of body fluids. 2,495,316, Jan. 24.
Clark, Delbert H., Grand Rapids, Mich. Extensible ironing board. 2,494,506, Jan. 10.
Clark, Don A., San Jose, Calif., assignor to Food Machinery and Chemical Corporation. Hose reel. 2,533,432, Dec. 12.
Clark, Don B., St. Louis, Mo. Mechanical baseball game. 2,511,048, June 13.
Clark, Dudley B., Palm Springs, Calif. Power rectifier tube. 2,528,033, Oct. 31.
Clark, Earl A., Visalia, Calif. Protector pen. 2,516,366, July 25.
Clark, Earl K., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Temperature responsive control. 2,500,061, Mar. 7.
Clark, Earl K., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Apparatus for drying fabrics or the like. 2,500,062, Mar. 7.
Clark, Earl K., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Flash type steam iron. 2,520,360, Aug. 29.
Clark, Earl K., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Heating apparatus. 2,528,579. Nov. 7
Clark, Edward B., Milford, Conn., assignor to General Electric Company. Entrance fitting. 2,511,668, June 13.
Clark, Edward B., Milford, Conn., assignor to General Electric Company. Grounding device. 2,525,447, Oct. 10.
Clark, Edward J., assignor to Carmelita M. Clark, Los Angeles, Calif. Zipper actuating device for hookless fasteners. 2,531,805, Nov. 28.
Clark, Edward J., Bethayres, Pa., assignor to International Business Machines Corporation, New York, N. Y. Music printing device. 2,502,928, Apr. 4.
Clark, Edward M., and F. E. Ledecq, Montreal, Quebec, Canada, assignors, by mesne assignments, to The Sherwin-Williams Company, Cleveland, Ohio. Multichromatic spraying apparatus. 2,513,081, June 27.
Clark, Edwin L.: *See*—
Obert, Maximilian J., and Clark.
Wright, Antony, and Clark.
Clark, Edwin L., Collingswood, N. J., and A. Wright, Drexel Park Gardens, Pa., assignors to Radio Corporation of America. High-voltage supply for cathode-ray tubes. 2,535,530, Dec. 26.
Clark Equipment Company, assignee: *See*—
Crawford, Madison L.
Dence, Donald S.
Eaton, Ernest E.
Fisk, Phillip.
Gunning, Alfred W.
Hogue, Francis M.
Lapsley, Robert.
Philp, William J.
Clark, Eugene F., Leaksville, N. C., assignor to Pine Tree Rug and Accessories, Inc., Newcastle, Maine. Braiding machine. 2,513,451, July 4.
Clark, Floyd H., Douglaston, B. M. Hager, and O. J. Larson, assignors to Art Metal Construction Company, Jamestown, N. Y. Filing device. 2,530,566, Nov. 21.
Clark, Francis E.: *See*—
Brown, Keith E., Clark, and Jackson.
Clark, Frank M., Pittsfield, Mass., assignor to General Electric Company. Dielectric composition. 2,508,099, May 16.
Clark, Frank M., Pittsfield, Mass., assignor to General Electric Company. Dielectric composition. 2,512,886, June 27.
Clark, Frank M., Pittsfield, Mass., assignor to General Electric Company. Cellulose acetate coated dielectric paper for electrical devices. 2,526,330, Oct. 17.
Clark, Frederick G., assignor to Eastman Machine Company, Buffalo, N. Y. Cushioning roller unit. 2,502,929, Apr. 4.
Clark, Geoffrey W., Bramcote, England, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Holder for thermionic valves. 2,497,811, Feb. 14.
Clark, Geoffrey and W., Kingston-upon-Hull, England. Mounting and adjustment of stator blades in grinding, crushing, and pulverizing machinery. 2,525,650, Oct 10.
Clark, George H., Yakima, Wash. Grip tightening device for pipe wrenches. 2,495,699, Jan. 31.
Clark, George P. R., Oakland, Calif. Luminous display unit. 2,515,820, July 18.
Clark, Gerald I., Santa Clara, Calif., assignor, by mesne assignments, to R. G. Le Tourneau, Inc., Peoria, Ill. Motor powered earth mover. Re. 23,251, Aug. 1.
Clark, Gilbert R.: *See*—
Busignies, Henri G., and Clark.
Dodington, Sven H. M., and Clark.
Herbst, John A., and Clark.
Clark, Gilbert R., Fort Wadsworth, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Secrecy preserving signaling system. 2,521,690, Sept. 12.
Clark, Gilbert R., Nutley, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Telautograph control system. 2,498,649, Feb. 28.
Clark, Gilbert R., Nutley, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Indicator system. 2,510,072, June 6.
Clark, Gilbert R., Nutley, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Synchronous filter. 2,535,040, Dec. 26.
Clark, Harold A., assignor to Dow Corning Corporation, Midland, Mich. 2,4-dimethyl-2,4-trimethylsilylphenyl-2,4-disilapentane. Re. 23,270, Sept. 26.
Clark, Harold A., assignor to Dow Corning Corporation, Midland, Mich. 2,4-dimethyl-2,4-trimethylsilylphenyl-2,4-disilapentane. 2,507,514, May 16.
Clark, Harold A., assignor to Dow Corning Corporation, Midland, Mich. Bis-trihydrocarbon silylphenyl silanes. 2,507,515, May 16.
Clark, Harold A., assignor to Dow Corning Corporation, Midland, Mich. Organosiloxanes. 2,507,516, May 16.
Clark, Harold A., assignor to Dow Corning Corporation, Midland, Mich. Trifunctional disilmethylene compounds and hydrolysis products. 2,507,517, May 16.
Clark, Harold A., assignor to Dow Corning Corporation, Midland, Mich. Production of organosilicon polymers. 2,507,521, May 16.
Clark, Harry H., Los Angeles, Calif. Railroad spike. 2,530,229, Nov. 14.
Clark, Henry S., Indianapolis, Ind., assignor, by mesne assignments, to Cornell-Dubilier Electric Corporation, South Plainfield, N. J. Vibrator with cradle. 2,515,077, July 11.
Clark, Howard L.: *See*—
Berry, Theodore M., and Clark.
Clark, Hubert M.: *See*—
Humes, Lawrence W., and Clark.
Clark, Hubert M., Detroit, assignor to Sherman Products, Inc., Hazel Park, Mich. Drill press construction. 2,500,662, Mar. 14.
Clark, Hubert M., Detroit, Mich., assignor to G. B. Sherman, trustee, assignor to Sherman Industries, Inc. Coupling means for tractors. 2,521,503, Sept. 5.
Clark, Hugh K., Waynesboro, Va., assignor to the United States of America as represented by the Secretary of War. Wide band stub line device. 2,516,505, July 25.
Clark, J. A., assignee: *See*—
Lucius, George P.
Clark, James, Dayton, Ohio. Pressure operated resistor. 2,507,501, May 16.
Clark, James, Dayton, Ohio. Equipment for measuring pulsating and steady pressure. 2,509,210, May 30.
Clark, James, Dayton, Ohio. Pressure actuated pickup device. 2,510,073, June 6.
Clark, James H.: *See*—
Bohmker, Thomas W., Walz, and Clark.
Walz, Claude W., and Clark.
Clark, James E., Williston Park, and V. L. Ronci, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Metal to glass sealing method. 2,504,303, Apr. 18.
Clark, James E., Williston Park, and V. L. Ronci, Brooklyn, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Glass-to-metal seal. 2,509,906, May 30.
Clark, James E., Williston Park, V. L. Ronci, New York, and J. W. West, Jackson Heights, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Metal to glass seal and producing same. 2,515,337, July 18.
Clark, James L., Cambridge, Mass., assignor to the United States of America as represented by the Secretary of war. Adjustable length coaxial transmission line. 2,521,829, Sept. 12.
Clark, James L., Elmhurst, Ill., assignor to the United States of America as represented by the Secretary of War. High-frequency oscillator. 2,498,529, Feb. 21.
Clark, James L., and M. E. Horton, assignors to Clarvan Corporation, Milwaukee, Wis. Making inflatable toys. 2,516,552, July 25.
Clark, James M., Carthage, Tex. Well device. 2,498,791, Feb. 28.
Clark, Joe H.: *See*—
English, Jackson P., and Clark.
Clark, Joe H., Glenbrook, Conn., assignor to American Cyanamid Company, New York, N. Y. Preparation of 2-substituted pyrimidines. 2,513,550, July 4.
Clark, Joel B., Canfield, assignor to The Auto Appliance Patents Co., Youngstown, Ohio. Filter. 2,522,502, Sept. 19.
Clark, John F., Jr.: *See*—
Burnight, T. Robert, and Clark.
Burnight, Thomas R., and Clark.

Clark, John F., Jr., Bethlehem, Pa. Pulse collecting method. 2,515,195, July 18.
Clark, John F., III, Burbank, Calif., assignor to Radio Corporation of America. Volume indicator system. 2,494,643 Jan. 17.
Clark, John R., Silver Spring, Md. Removable cover for bricks. 2,496,984, Feb. 7.
Clark, John R., Vancouver, British Columbia, Canada. Natural draft oil burner. 2,506,138, May 2.
Clark, John R., Nutley, and J. D. Malkemus, Allendale, assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J. Stabilizing sulfated products. 2,493,444, Jan. 3.
Clark, John R., Nutley, J. D. Malkemus, Allendale, and J. Ross, Ramsey, assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J. Method for stabilizing sulfated products. 2,493,445, Jan. 3.
Clark, John R., Stratford, and D. L. McFarland, Milford, assignors to United Aircraft Corporation, East Hartford, Conn. Droppable wing-tip tank. 2,505,604, Apr. 25.
Clark, John R., Stratford, Conn., and G. P. Mina, Massapequa Park, N. Y., assignors to United Aircraft Corporation, East Hartford, Conn. Down lock for landing gears. 2,507,962, May 16.
Clark, John R., and R. D. Pickett, Stratford, assignors to United Aircraft Corporation, East Hartford, Conn. Nose gear down lock. 2,511,528, June 13.
Clark, John R., Nutley, and J. D. Malkemus, Allendale, assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J. Stabilized sulphamic acid product and preparing the same. 2,513,549, July 4.
Clark, John R., Jr., Los Angeles, assignor to Technicolor Motion Picture Corporation, Hollywood, Calif. Imbibition printing. 2,526,995, Oct. 24.
Clark, John T.: *See*—
Johnson, Carroll W., and Clark.
Clark, John W., assignor to Collins Radio Comany, Cedar Rapids, Iowa. Filament mount for high-power tubes. 2,510,171, June 6.
Clark, Joseph C., assignor to Jeny Corporation, Merchantville, N. J. Batteryless flashlight. 2,535,041, Dec. 26.
Clark, Kathryn K., Avon, N. Y. Educational book structure. 2,527,242, Oct. 24.
Clark, Kendall: *See*—
McCormick, Francis H., and Clark.
Clark, Kendall, Oakwood, assignor to General Motors Corporation, Dayton, Ohio. Control switch means for clothes-washing machines. 2,502,823, Apr. 4.
Clark, Lauriston E., Los Angeles, assignor to Technicolor Motion Picture Corporation, Hollywood, Calif. Light-sensitive photographic element having a fluorescent layer and using the same. 2,511,462, June 13.
Clark, Marion A., Tulare, Calif. Hayrake. 2,511,100, June 13.
Clark, Marion A., Tulare, Calif. Sliding side jaw wrench having toggle means for moving and locking the movable jaw relative to the fixed jaw. 2,524,376, Oct. 3.
Clark, Marion T., Tulare, Calif. Drag scraper. 2,528,741, Nov. 7.
Clark Metal Products, Inc., assignee: *See*—
Lockwood, Harry A.
Clark, Morton, La Jolla, Calif. Knee joint locking device. 2,512,826, June 27.
Clark, Morton, Seattle, and F. C. Priestly, Edmonds, assignors to United States Loc-Bloc Corporation, Seattle, Wash. Block molding machine and process. 2,502,075, Mar. 28.
Clark, Norris L., Burbank, Calif. Ultraviolet electrotherapeutic device. 2,505,944, May 2.
Clark, Otho A., Atherton, Mo. Potato digger. 2,516,957, Aug. 1.
Clark, Otho A., and O. D. Hughes, Atherton, Mo. Hinge structure for spraying attachments. 2,532,996, Dec. 5.
Clark, Paul B., Houston, Tex. Casing expander. 2,499,630, Mar. 7.
Clark, Paul P., assignee: *See*—
Kutik, William R., Jr.
Clark, Ralph C., assignor to R. E. Clark, Willowbrook, Calif. Bathroom lock. 2,525,340, Oct. 10.
Clark, Ray E., assignee: *See*—
Clark, Ralph C.
Clark, Raymond G. *See*—
Clark, William A. and R. G.
Clark, Richard A., Barberton, Ohio. Spring mounting for children's wagons or the like. 2,531,933, Nov. 28.
Clark, Robert A., Jr., Owensboro, assignor to Glenmore Distilleries Company, Incorporated, Louisville, Ky. Label picking mechanism. 2,511,566, June 13.
Clark, Robert A., Owensboro, Ky., assignor, by mesne assignments, to Wright Machinery Company, Durham, N. C. Article holding means. 2,528,860, Nov. 7.
Clark, Robert A., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Chip breaking device. 2,521,900, Sept. 12.
Clark, Robert H., assignee: *See*—
Curtis, Myron S., and Clark.
Wilson, Harry C.
Clark, Robert H., Solon, assignor to The Warner & Swasey Company, Cleveland, Ohio. Electric motor stopping control. 2,495,507, Jan. 24.
Clark, Robert H., Solon, assignor to The Warner & Swasey Company, Cleveland, Ohio. Machine tool. 2,528,299, Oct. 31.
Clark, Robert L., assignee: *See*—
Griffith, Glen I.
Clark, Robert S., Albany, N. Y., assignor, by mesne assignments, to F. N. Bard, Chicago, Ill. Apparatus for recording the operation of control levers of electrically driven vehicles. 2,530,508, Nov. 21.
Clark, Roger G., assignee: *See*—
Chandler, Dana G.
Clark, Ruth G., Oakland, Calif. Track for portable chicken coops. 2,524,959, Oct. 10.
Clark, S. W., Yuma, Ariz. Sharpening device for clipper blades. 2,503,322, Apr. 11.
Clark, Stephen J.: *See*—
Thompson, William G., and Clark.
Clark, Thomas, and J. H. C. Atkins, assignors to Armstrong Siddeley Motors Limited, Coventry, England. Multidisk rotor. 2,497,151, Feb. 14.
Clark, Thomas F.: *See*—
Williamson, Robert V., and Clark.
Clark, Thomas F., Peoria, Ill., assignor to the United States of America as represented by the Secretary of Agriculture. Phenolic molding resins. 2,520,913, Sept. 5.
Clark, Thomas R., Dayton, Ohio. Induction motor and method of manufacture. 2,500,802, Mar. 14.
Clark Thread Company, The, assignee: *See*—
Camp, William M.
Price, Thomas J.
Clark, Trevor H., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Radio direction finder. 2,524,768, Oct. 10.
Clark, Walter: *See*—
Clark, Geoffrey and W.
Clark, William A. and R. G., assignors to Clarks Potteries Limited, Auckland, New Zealand. Earthenware pipe making machine. 2,502,247, Mar. 28.
Clark, William E., Arkansas City, Kans. Aperture meter. 2,532,892, Dec. 5.
Clark, William F., assignor to The Ohio Brass Company, Mansfield, Ohio. Rail bond. 2,508,225, May 16.
Clark, William R., Jenkintown, assignor to Leeds & Northrup Company, Philadelphia, Pa. Electron beam self-balancing measuring system. 2,507,590, May 16.
Clark, Winslow B. M., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Electrical ratio indicating instrument. 2,500,628, Mar. 14.
Clark, Winslow B. M., Boulder, Colo., assignor to himself and H. H. Furn, Orange, N. J. Rheostatic control. 2,501,159, Mar. 21.
Clark, Zella K., East Cleveland, Ohio. Hairpin opening device. 2,519,953, Aug. 22.
Clarke, Albert E.: *See*—
Clarke, John S. and A. E., and Coupe.
Clarke, Albert T., Waltham, Mass. Holder for jeweler's magnifying glass, loupe and the like. 2,519,822, Aug. 22.
Clarke, Charles J., deceased, Syracuse, N. Y.; The Merchants National Bank and Trust Company of Syracuse, executor. Corn holder. 2,503,801, Apr. 11.
Clarke, Douglas C.: *See*—
Deschamps, Desire J., and Clarke.
Clarke, Douglas C., Mountain Lakes, N. J., assignor of one-third to R. Ostertag, Brooklyn, N. Y. Dispensing container. 2,502,311, Mar. 28.
Clarke, Edward L., Scranton, Pa. Lever for screw drivers. 2,518,755, Aug. 15.
Clarke, Eric T.: *See*—
Carlin, Jack R., and Clarke.
Clarke, Eva, assignee: *See*—
Phillips, Erwin.
Clarke, Frank W., Meadville, Pa., assignor to Talon, Inc. End stop for slide fasteners. 2,535,391, Dec. 26.
Clarke, Harry D., Waltham, Mass. Scorekeeper. 2,494,330, Jan. 10.
Clarke, Herbert A., Merion, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Detonation indicating apparatus. 2,517,976, Aug. 8.
Clarke, John D., Downers Grove, assignor to Morris Paper Mills, Chicago, Ill. Container and display insert. 2,531,255, Nov. 21.
Clarke, John E.: *See*—
Peterson, Robert A., Heckle, and Clarke.
Clarke, John L., Lacine, Quebec, assignor, by mesne assignments, to Northern Electric Company, Limited, Montreal, Quebec, Canada. Electrical protective apparatus. 2,504,804, Apr. 18.
Clarke, John S., assignor to Joseph Lucas Limited, Birmingham, England. Multiple truncated conical element combustion chamber. 2,525,206, Oct. 10.
Clarke, John S., Burnley, A. E. Clarke, Brierfield, Burnley, and N. P. Coupe, Burnley, assignors to Joseph Lucas Limited, Birmingham, England. Gaseous fuel burner. 2,523,194, Sept. 19.
Clarke, John S., and A. Huyton, Burnley, assignors to Joseph Lucas Limited, Birmingham, England. Ignition torch for internal-combustion prime movers. 2,525,207, Oct. 10.
Clarke, John V.: *See*—
Phillips, Erwin.
Clarke, Lewis H., Brookline, Mass. Liquid cooler. 2,496,777, Feb. 7.
Clarke, Maurice W., Detroit, Mich. Chiropodial device. 2,511,101, June 13.

Clarke, Ray A., Staunton, Va., assignor to Hercules Powder Company, Wilmington, Del. Esters of 10,11-di(alkylcarbonyloxy) hendecanoic acid. 2,510,802, June 6.

Clarke, Richard T., Coronado, assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Lighting system for display models. 2,501,160, Mar. 21.

Clarke, Robert L., Albany, N. Y. Light polarizing apparatus for determining color blindness. 2,494,543, Jan. 17.

Clarke Sanding Machine Company, assignee: *See*— Petersen, William L.

Clarke, Sidney G., Toronto, Ontario, Canada. Mechanical golf cup. 2,508,100, May 16.

Clarke, Thomas B., Leicester, England, assignor to United Shoe Machinery Corporation, Flemington, N. J. Heel attaching machine. 2,524,120, Oct. 3.

Clarke, Thomas B., and A. A. Rivington, Leicester, England, assignors to United Shoe Machinery Corporation, Flemington, N. J. Heel-pricking means. 2,493,859, Jan. 10.

Clarke, Varro J., Schenectady, N. Y., assignor to General Electric Company. Selective relay system. 2,497,656, Feb. 14.

Clarke, Varro J., Schenectady, N. Y., assignor to General Electric Company. Phase indicating instrument. 2,525,448, Oct. 10.

Clarke, William C., Jr., Dundalk, Md., assignor to Armco Steel Corporation. Alloy steel. 2,528,497, Nov. 7.

Clarke, William C., Jr., Baltimore, Md., assignor to Armco Steel Corporation. Alloy steel. 2,528,637, Nov. 7.

Clarke, William C., Jr., Dundalk, Md., assignor to Armco Steel Corporation. Alloy steel. 2,528,638, Nov. 7.

Clarke, William T.: *See*— Carter, William, and Clarke.

Clarks Potteries Limited, assignee: *See*— Clark, William A. and R. G.

Clarkson, Alick, Bloomingdale Township, Du Page County, Ill. Pressure gauge stabilizer. 2,515,394, July 18.

Clarkson, Alick, Itasca, assignor of one-half to Vapor Heating Corporation, Chicago, Ill. Oil burner with radial fuel nozzles. 2,534,160, Dec. 12.

Clarkson, Clarence W., Jr., Corning, N. Y. Gunnery practice range control device. 2,531,400, Nov. 28.

Clarkson, Leonard B., assignee: *See*— Jeffery, Harold E.

Clarkson, Robert J., Winnsboro, S. C., assignor to United States Rubber Company, New York, N. Y. Mechanism for twisting together two strands. 2,503,242, Apr. 11.

Clarkson, Robert J., Winnsboro, S. C., assignor to United States Rubber Company, New York, N. Y. Fabric slitting machine. 2,533,996, Dec. 12.

Clarkson, William S., Washington, D. C., and J. H. Rupe, Mount Rainier, Md. Resilient fair-lead. 2,529,486, Nov. 14.

Clarostat Mfg. Co., Inc., assignee: *See*— Mucher, George J.

Clarvan Corporation, assignee: *See*— Clark, James L., and Horton.

Clary, Carrie M., assignee: *See*— Clary, William L.

Clary, Harry B., assignor to Laher Spring and Tire Corporation, Oakland, Calif. Vehicle spring manufacturing method. 2,518,867, Aug. 15.

Clary Multiplier Corporation, assignee: *See*— Boyden, Robert E., and Drake.
Boyden, Robert E., and Parsons.
Drake, Edward P.
Petit, William H.

Clary, Thomas J., Sergeant Bluff, Iowa. Buck rake and stacker. 2,522,814, Sept. 19.

Clary, William L., assignor of fifty-one per cent to C. M. Clary, Louisville, Ky. Automatic power transmission. 2,523,944, Sept. 26.

Clasen, Arthur C., Kansas City, Kans., and H. J. Millgard, Spokane, and T. A. Phelps, Seattle, Wash. Fishing lure. 2,528,861, Nov. 7.

Clasen, Carl F. N., and J. M. Hummer, Wichita, Kans. Fireproof and insulating hardenable plastic composition. 2,511,904, June 20.

Clasen, Charles B., Reno, Nev. Sash lock. 2,531,256, Nov. 21.

Clasen, John H.: *See*— Evans, Russell T., and Clasen.

Clason, Bertil H., Flint, assignor to General Motors Corporation, Detroit, Mich. Temperature responsive switch. 2,497,025, Feb. 7.

Claud-Mantle, Arthur, Trumbull, assignor to The Bassick Company, Bridgeport, Conn. Hood latch. 2,523,814, Sept. 26.

Claudet, Aymon F. M., Orly, assignor to Societe des Usines Chimiques Rhone - Poulenc, Paris, France. Glazing earthenware and glaze therefor. 2,498,912, Feb. 28.

Claude, Charles J., St. Paul, Minn. Multiple shelf construction. 2,522,748, Sept. 19.

Claus, Alois A.: *See*— Berra, Albert H., and Claus.

Claus, Philip S., Plymouth, assignor to W. A. King, Highland Park, Mich., trustee. Automatic drill head. 2,510,329, June 6.

Claus, Philip S., and E. J. Readman, Plymouth, assignors to W. A. King, Highland Park, Mich., trustee. Feeding mechanism for tools. 2,510,330, June 6.

Claus, Philip S., and E. J. Readman, Plymouth, assignors to W. A. King, Highland Park, Mich., trustee. Automatic tool feeding mechanism. 2,518,599, Aug. 15.

Claus, William H., Downers Grove, Ill., assignor to The Union Switch and Signal Company, Swissvale, Pa. Switch lock control and indication. 2,496,580, Feb. 7.

Clausen, Heriberto E. G. J., and M. A. G. Fabiá, assignors to Tecnica Industrial y Comercial Sociedad Anonima Tecosa, Buenos Aires, Argentina. Tangential injector burner for pulverulent fuel and air mixture. 2,523,462, Sept. 26.

Clausen, Howard F.: *See*— Walz, Claude W., and Clausen.

Clausen, Theodore L., Richmond, and J. T. Rutherford, Berkeley, assignors to California Research Corporation, San Francisco, Calif. Lubricating oil composition. 2,514,625, July 11.

Clauser, Gordon E., Elyria, Ohio. Set indicator aid for micrometers. 2,527,058, Oct. 24.

Clauson-Kaas, Niels K. F. W., Klampenborg, assignor to Kemisk Vaerk Koge A/S., Copenhagen, Denmark. Preparing 2,5-diacyloxy - 2,5 - dihydrofurans. 2,514,026, July 4.

Claussen, Eugene E.: *See*— Bissell, Frederick E., Jr., and Claussen.

Claussner, Robert E., Paducah, Ky., assignor to Union Special Machine Company, Chicago, Ill. Manufacturing hosiery. 2,532,008, Nov. 28.

Clavier, André G., andM. Denis, Paris, France, assignors to International Standard Electric Corp., New York, N. Y. Modulator of the dry type. 2,510,075, June 6.

Clavier, André G., Nutley, N. J., assignor to International Standard Electric Corporation, New York, N. Y. Pulse code system. 2,520,125, Aug. 29.

Clawson, John H., Schenectady, N. Y., assignor to General Electric Company. Tinning a steel shell bearing. 2,498,485, Feb. 21.

Clay Equipment Corporation, assignee: *See*— Clay, Joseph B.

Clay, Howard W., assignor to H. and C. L. Miller, Rockford, Ill. Screw driver having angularly adjustable bit. 2,501,561, Mar. 21.

Clay, Joseph B., assignor to Clay Equipment Corporation, Cedar Falls, Iowa. Farm gate. 2,517,086, Aug. 1.

Clay, Murray G., Chicago, Ill. assignor by mesne assignments, to Pettibone Mulliken Corporation. Apparatus for ramming flasks. 2,497,585, Feb. 14.

Clay, Murray G., River Forest, Ill. Hook structure. 2,524,189, Oct. 3.

Clay, Murray G., River Forest, Ill. Cooking. 2,532,009, Nov. 28.

Clay, Pieter H., deceased, by J. D. Heijligers, administrator, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electric discharge tube and cooling the anode thereof. 2,535,669, Dec. 26.

Clay, Reginald S., and J. A. Moore, Mill Hill, London, assignors to United Kingdom Optical Company, Limited, London, England. Apparatus for fine measurements such as comparators and extensometers. 2,497,345, Feb. 14.

Clay, William H.: *See*— Gerts, Christian A., and Clay.

Clayborne, Norman F., Chicago, Ill. Valve seat and valve stem gauging apparatus. 2,521,966, Sept. 12.

Claybourn, Glen L.: *See*— Pierson, Paul R., and Claybourn.

Claybourn, Glen L., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit breaker control system. 2,519,225, Aug. 15.

Clayden, Francis W., Bronxville, N. Y., and R. E. Coleman, Jr., Jersey City, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Tool for use in replacing insulators in switch banks. 2,528,424, Oct. 31.

Clayden, Harold, Philadelphia, Pa. Garden tool. 2,498,069, Feb. 21.

Claydon, Lynold L., assignee: *See*— Trenholm, Kenneth S.

Clayton, Andrew B., Sea Bright, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Adjustable needle guide for sewing machines. 2,496,243, Jan. 31.

Clayton, Benjamin assignee: *See*— Edel, Walter L.
Gwynn, Marion H.
Kuble, William L., and Mattikow.
Mattikow, Morris.

Clayton, Clarence R., Snomac, Okla. Sand separator. 2,498,913, Feb. 28.

Clayton Dewandre Company Limited, assignee: *See*— Dessart, Jean.

Clayton, Erith T., assignor, by mesne assignments, to The Talnton Company, Baltimore, Md. Mica-coated metallic paint pigments. 2,528,034, Oct. 31.

Clayton, Harold H., assignor, by mesne assignments, to Essex Wire Corporation, Logansport, Ind. Switch. 2,528,035, Oct. 31.

Clayton, Harold H., assignor to Essex Wire Corporation, Logansport, Ind. Detent means for switches. 2,528,115, Oct. 31.
Clayton, Hassell F., Oswego, N. Y. Ignition timing switch. 2,522,478, Sept. 12.
Clayton, Howard D.: *See*—
Seyb, Leslie P., Foster and Clayton.
Clayton, James O.: *See*—
Borsoff, Victor N., and Clayton.
Clayton, James O., Berkeley, Calif., and W. H. Alderson, Bahrein Island, Arabia, assignors to California Research Corporation, San Francisco, Calif. Phenate compounded oils. 2,501,991, Mar. 28.
Clayton, James O., Berkeley, Calif., and W. H. Alderson, Bahrein Island, Arabia, assignors to California Research Corporation, San Francisco, Calif. Lubricating oils. 2,501,992, Mar. 28.
Clayton, James O., Berkeley, and D. H. Etzler, Albany, assignors to California Research Corporation, San Francisco, Calif. Lubricating oil detergent. 2,516,616, July 25.
Clayton & Lambert Manufacturing Company, assignee: *See*—
Edel, Walter L.
Clayton Manufacturing Company, assignee: *See*—
Arant, Perry.
Griswold, Donald G.
Clayton, Mary C., Decatur, Ga. Collapsible hoop skirt. 2,528,639, Nov. 7.
Clayton, Paul M., Detroit, assignor to Ford Motor Company, Dearborn, Mich. Manifold heating system. 2,523,611, Sept. 26.
Claytor, Edward M., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Ventilating apparatus for dynamoelectric machines. 2,494,471, Jan. 10.
Claytor, Edward M., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Solenoid unit. 2,531,500, Nov. 28.
Clearfield Machine Company, assignee: *See*—
McMurray, Walter E.
Clearing Machine Corporation, assignee: *See*—
Johansen, Einar K.
Nowak, Alois K.
Cleary, Edward J., Kansas City, Mo. Warning signal for hydraulic brakes. 2,520,237, Aug. 29.
Cleary, Thomas F., Jr., New Brunswick, N. J., assignor to The Plant Products Corporation, Blue Point, N. Y. Making thiophosphates. 2,506,344, May 2.
Cleary, William H., assignor of one-half to J. D. Shourt, Minneapolis, Minn. Dual-purpose container. 2,510,211, June 6.
Cleary, William J., Bridgeport, and H. J. Cook, Litchfield, assignors to The Cornwall & Patterson Company, Bridgeport, Conn. Tool and detachable handle therefor. 2,527,492, Oct. 24.
Cleave, Arthur B., Whitefish, Mont. Gate latch keeper. 2,534,414, Dec. 19.
Cleaveland, Le Roy A., Mountainside, and F. H. Tooker, West Orange, assignors to United States Instrument Corporation, Summit, N. J. Interrupter. 2,496,376, Feb. 7.
Cleaveland, Le Roy A., Mountainside, and F. H. Tooker, West Orange, assignors to United States Instrument Corporation, Summit, N. J. Signaling device for sound powered telephone systems. 2,502,824, Apr. 4.
Cleaver, Katherine, Indianapolis, Ind., assignor to Continental Optical Company, Inc., Rochester, N. Y. Detachable ornamental spectacle frame. 2,495,508, Jan. 24
Cleaver, Louis T.: *See*—
Daum, Claude R., and Cleaver.
Cleaver, Richard F., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Deflection arrangement for oscillographs. 2,502,428, Apr. 4.
Cleaver, Richard F., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Display arrangement for electric oscillographs. 2,510,074, June 6.
Cleeton, Claud E., Washington, D. C. Trigger circuit and switching device. 2,534,232, Dec. 19.
Cleeton, Claud E., Washington, D. C. Electronic trigger and switch circuits. 2,534,233, Dec. 19.
Clegg, Douglas: *See*—
White, Gifford E., and Clegg.
Clegg, Douglas, Great Neck, N. Y., assignor to The Sperry Corporation. Aircraft turret. 2,501,662, Mar. 28.
Cleland, James E., and J. B. Longenecker, Granite City, Ill., assignors to Union Starch & Refining Company, Columbus, Ind. Caramel color separation. 2,533,221, Dec. 12.
Clem, Benjamin H., and J. W. Flaig, New Madison, Ohio. Automatically controlled oscillating electric incubator. 2,518,224, Aug. 8.
Clem, Willis J., Wilmington, Del., and R. J. Plunkett, Woodstown, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacturing tetraethyl lead. 2,515,821, July 18.
Clemence, Le Roy W.: *See*—
Moore, Edmond E., and Clemence.
Clemence, Le Roy W., Highland Park, and M. T. Leffler, Lake Bluff, assignors to Abbott Laboratories, North Chicago, Ill. Oil soluble tri-(substituted-mercapto)-antimonous acids. 2,510,738, June 6.
Clemence, Le Roy W., Highland Park, and M. T. Leffler, Lake Bluff, assignors to Abbott Laboratories, North Chicago, Ill. Cyclic-alkyl isothiuronium halides. 2,510,739, June 6.
Clemence, Le Roy W., Highland Park, and M. T. Leffler, Lake Bluff, assignors to Abbott Laboratories, North Chicago, Ill. Tri-(cyclic-lower alkylene mercapto)-S-antimonous acids. 2,510,740, June 6.
Clemens, Louis T.: *See*—
Jackson, Wilbur C., and Clemens.
Clemens, Milton L., and J. E. Magoffin, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Multiple step process for preparing N,N'-diphenyl p-phenylene diamine. 2,503,712, Apr. 11.
Clement, George A., Mount Vernon, N. Y. Apparatus for blocking lenses. 2,509,211, May 30.
Clement, George F.: *See*—
Burger, Michael J., and Clement.
Clement, George P.: *See*—
Hoffman, Robert F., and Clement.
Clement, Irving H., River Edge, N. J., assignor to Dielectric Products Company, Incorporated. Gas dehydration system. 2,494,644, Jan. 17.
Clement, Milton A., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Switching device. 2,529,375, Nov. 7.
Clement, William H., Spartanburg, S. C. Loading and unloading truck attachment. 2,514,843, July 11.
Clements, James E.: *See*—
Eisenberg, Mann, and Clements, and Druck.
Clements, MacMillan, Southport, Conn. Structural panel. 2,511,620, June 13.
Clements, Robert W.: *See*—
Rowley, George B., and Clements.
Clements, William A., Glendale, Calif. Liquid fuel vaporizer. 2,523,096, Sept. 19.
Clemmer, Julius B., Tucson, Ariz., and B. H. Clemmons, Tuscaloosa, Ala., assignors to the United States of America as represented by the Secretary of the Interior. Concentrating fluorspar ores. 2,497,863, Feb. 21.
Clemmons, Ballard H.: *See*—
Clemmer, Julius B., and Clemmons.
Clemson Bros., Inc., assignee: *See*—
Clemson, Richard D.
Clemson, Richard D., assignor to Clemson Bros., Inc., Middletown, N. Y. Roller for lawn mowers. 2,528,116, Oct. 31.
Clench, Edward C. S., assignor to Automotive Products Company Limited, Leamington Spa, England. Sequentially operated multiple blower. 2,493,656, Jan. 3.
Clerc, Leonard F., Nutley, N. J. Refrigerator. 2,498,028, Feb. 21.
Clerc, Leonard F., Nutley, N. J. Pump. 2,498,029, Feb. 21.
Clerk, Ernest J., Jamaica, British West Indies. Shear grinding mill with centrifugally positioned pestles. 2,524,884, Oct. 10.
Clerke, John W., Little Falls, N. J. Pipe coupling. 2,531,401, Nov. 28.
Cleveland, Allen E., Cleveland Heights, assignor to Perfection Stove Company, Cleveland, Ohio. Liquid fuel burning apparatus and electrical control means therefor. 2,500,663, Mar. 14.
Cleveland Chain and Manufacturing Company, The, assignee: *See*—
Martin, Charles C.
Cleveland Container Company, The, assignee: *See*—
Betz, Carl.
Cleveland Crane & Engineering Company, The, assignee: *See*—
Dehn, Roy F.
Wehr, William G.
Weise, Kurt R., and Cotesworth.
Cleveland-Detroit Corporation, assignee: *See*—
Oliveau, John V.
Stewart, James E.
Cleveland, Donald L., and J. A. Hatton, Long Beach, and G. C. Montgomery, Wilmington, assignors to Shell Development Company, San Francisco, Calif. Effecting catalytic conversions with finely divided catalysts. 2,501,436, Mar. 21.
Cleveland, Earl C., Pittsburgh, Pa. Drawing board support. 2,520,029, Aug. 22.
Cleveland, Frank A., II, Pasadena, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Control and indicator for supersonic vehicles. 2,512,790, June 27.
Cleveland Frog & Crossing Co., assignee: *See*—
Arnold, George, and Schultz.
Arnold, George, Schultz, and Prentice.
Arnold, George, Schultz, and Rhoads.
Cleveland Graphite Bronze Company, assignee: *See*—
Schaefer, Ralph A.
Schaefer, Ralph A., Mohler, and Pochapsky.
Cleveland Hobbing Machine Company, The, assignee: *See*—
Merrill, George L.
Staples, Otis E.
Cleveland, Norman B., Beverly, Mass. Adjustable rotary vibrator. 2,505,753, May 2.
Cleveland Patents, Incorporated, assignee: *See*—
Hickok, Robert D.

Cleveland Pneumatic Tool Company, The, assignee: *See*—
Bjerke, Allan E.
Hawn, Ralph A.
Horvath, Frank J.

Cleveland Punch & Shear Works Co., The, assignee: *See*—
Weiland, John N.

Cleveland, Robert C., and W. H. Said, assignors to Corning Glass Works, Corning, N. Y. Casting glass. 2,534,415, Dec. 19.

Cleveland Steel Products Corporation, assignee: *See*—
Grissinger, Daniel D.
Schinnerer, Ludwig J.
Smith, William J., and Slaght.

Cleveland Tapping Machine Company, The, assignee: *See*—
Graves, Mark.

Cleveland Welding Company, The, assignee: *See*—
Kranz, Harry W.
Mueller, Homer L.

Cleveland Wire Spring Company, assignee: *See*—
Sjolander, John L.

Clewell, Dayton H., Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Agitating device. 2,498,393, Feb. 21.

Clifcorn, La Verne E., Elmhurst, G. T. Peterson, Elmwood Park, and J. M. Boyd, Chicago, Ill., assignors to Continental Can Company, Inc., New York, N. Y. Canning food products under aseptic conditions. 2,514,027, July 4.

Clifcorn, La Verne E., G. T. Peterson and J. M. Boyd, Chicago, Ill., assignors to Continental Can Company, Inc., New York, N. Y. Heating food products in sealed containers. 2,517,542, Aug. 8.

Cliff, Benjamin A., Washington, D. C. Radiant oven. 2,520,030, Aug. 22.

Clifford, Albert M., Stow, assignor to Wingfoot Corporation, Akron, Ohio. Copolymers of butadiene and monocyclic terpene alcohol esters of acrylic acids. 2,496,935, Feb. 7.

Clifford, Albert M., and J. R. Long, Stow, Ohio, assignors to Wingfoot Corporation, Wilmington, Del. Cyano-butadiene copolymers. 2,508,226, May 16.

Clifford, Alfred T.: *See*—
Cassel, Norman S., and Clifford.

Clifford, Dorothy M., assignee: *See*—
Mitchell, Arch L.

Clifford, George, Mount Clemens, Mich. Moving target game. 2,510,380, June 6.

Clifford, Kenneth R., assignee: *See*—
Mitchell, Arch L.

Clifford, Wilfred J., and H. H. Adams, assignors to The Pyrene Company Limited, Brentford, England. Foam-producing apparatus. 2,508,227, May 16.

Clift, William C., Philadelphia, Pa. Elevator safety apparatus. 2,511,697, June 13.

Clifton Products, Inc., assignee: *See*—
McCready, Wesley K., and Schormuller.

Clifton, Richard T., Detroit, Mich. Hair curler. 2,533,434, Dec. 12.

Climo, Samuel, Massillon, Ohio. Fishing rod holder. 2,522,255, Sept. 12.

Cline, Cranmore W., Jacksonville, Fla. Rotary vane pump. 2,535,267, Dec. 26.

Cline, Delbert C., Silver Lake, assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Neoprene-polybutadiene freeze-resistant composition. 2,514,194, July 4.

Cline, Delbert G., assignor to H. & A. Selmer, Inc., New Castle, Ind. Piano construction. 2,501,641, Mar. 21.

Cline Electric Manufacturing Company, The, assignee: *See*—
Robertson, Alexander T.

Cline, Harold A., assignor of one-half to J. J. Daggon, Dayton, Ohio. Electric plug. 2,507,092, May 9.

Cline, Harold A., and E. C. Briggs, Dayton, Ohio, assignors, by mesne assignments, to Emarco Corporation, Chicago, Ill. Airport lighting device. 2,501,437, Mar. 21.

Cline, John T. B., Eureka, Calif. Bark stripper and splitter. 2,520,274, Aug. 29.

Cline, Kenneth W., and D. F. Rinehart, Magnolia, Ohio. Tractor drawbar. 2,531,768, Nov. 28.

Cline, Kermit R., Sandston, Va. Water heater. 2,499,631, Mar. 7.

Cline, Leeland A.: *See*—
Hall, James W., and Cline.

Cline, Luther V., San Diego, Calif. Chair having spring supported back rest and seat. 2,534,574, Dec. 19.

Cline, Norman, Chicago, Ill. Adjustable cornice for draperies and the like. 2,530,567, Nov. 21.

Cline, Paul T., St. Petersburg, Fla. Portable shelter. 2,531,501, Nov. 28.

Cline, Robert E., assignee: *See*—
Redmon, Frank M., Sr.

Cline, Truman H.: *See*—
Chesser, Cecil E., and Cline.

Cline, Truman H., assignor to Newark Stove Company, Newark, Ohio. Oven venting. 2,511,328, June 13.

Clink, Ray, Sedro Woolley, Wash. Fish lure. 2,515,591, July 18.

Clink, Ray, Sedro Wooley, Wash. Sectional tool cabinet. 2,525,208, Oct. 10.

Clinton, Edward J., Jr., Chatham, and J. J. Flynn, Jersey City, N. J., assignors to Air Reduction Company, Incorporated. Starting rod feed device for gas torches. 2,533,353. Dec. 12.

Clinton Industries, Inc., assignee: *See*—
Fetzer, Walter R.
Newton, John M., and Ough.

Clinton, Raymond O., Albany, N. Y., assignor to Sterling Drug Inc., Wilmington, Del. Preparing a tertiary amino-alkyl thiol-ester hydrochloride. 2,510,773, June 6.

Clinton, Raymond O., and C. M. Suter, Albany, N. Y., assignors to Sterling Drug Inc., Wilmington, Del. Alkamine sulfides of quinoline and producing the same. 2,505,462, Apr. 25.

Clinton, Raymond O., Albany County, and W. Huber, Kings County, N. Y., and G. M. Fohlen, Philadelphia County, Pa., assignors to Sterling Drug Inc., Wilmington, Del. Alkylaminoalkylmercaptoalkyl esters of benzilic acid. 2,511,835, June 20.

Clinton, Raymond O., Albany County, and W. Huber, Kings County, N. Y., and G. M. Fohlen, Philadelphia County, Pa., and S. C. Laskowski, Albany County, N. Y., assignors to Sterling Drug Inc., Wilmington, Del. Esters of disubstituted acetic acids and sulfur containing tertiary amino alkanols. 2,512,307, June 20.

Clippard Instrument Laboratories, Inc., assignee: *See*—
Frommer, Joseph C.

Clipson, Samuel, London, England. Method of and apparatus for applying slurries to structural surfaces. 2,504,805, Apr. 18.

Clipson, Samuel, London, England. Smoothing or finishing trowel. 2,514,626, July 11.

Clogg Company, The, assignee: *See*—
Eckhardt, William A.

Clogston, Albert M.: *See*—
Bowen, Dwain B., and Clogston.

Clogston, Albert M., Morris Plains, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron injection space discharge device. 2,530,948, Nov. 21.

Clokey, John W., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Varnish treatment for rotors. 2,524,885, Oct. 10.

Clopton, Mortimer L., Los Angeles, Calif. Dual image driftmeter. 2,504,108, Apr. 18.

Clore, John T., assignor to L. H. Withey Company, Ionia, Mich. Bottle carrier. 2,503,544, Apr. 11.

Clorox Chemical Co., assignee: *See*—
Wolford, Walter L.

Clotworthy, Harold R. S.: *See*—
Tallis, Ernest E., and Clotworthy.

Cloud, Carey C., Morgantown, Ind. Paper optical illusion toy. 2,516,367, July 25.

Cloud, Jerry L., New York, assignor to G & G Precision Works, Inc., Long Island City, N. Y. Moving picture projector with convection-current motor and picture disk. 2,501,862, Mar. 28.

Cloud, Kenneth M.: *See*—
Ginn, Earl, and Cloud.

Cloud, Kenneth M., Muskegon, assignor to Continental Motors Corporation, Detroit, Mich. Internal-combustion engine. 2,504,499, Apr. 18.

Cloud, Robert W.: *See*—
Trump, John G., and Cloud.

Cloud, William S., Wilmette, Ill. Controlling stretch in stretch-wrapping. 2,514,028, July 4.

Cloudsley, John L., Oxfordshire, England. Shock-absorbing or fluid-pressure relieving apparatus. 2,521,202, Sept. 5.

Clouez, André P., Paris, France. Calculating apparatus. 2,530,191, Nov. 14.

Clough, Jerome L., Milwaukee, Wis. Authorizer. 2,521,284, Sept. 5.

Clough, Paul D., Burbank, Calif. Nonslip screw driver. 2,522,164, Sept. 12.

Clouser, Benn E., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Photocopy device having a translucent prism support. 2,511,102, June 13.

Clover, Incorporated, assignee: *See*—
Crowley, Joseph A.

Cloyd, Harold S., assignor to National Organ Supply Company, Erie, Pa. Picture frame. 2,523,815, Sept. 26.

Cluett, Peabody & Co., Inc., assignee: *See*—
Macrides, Philip C.
Pfeffer, Edward C., Jr., and Epelberg.
Pfeffer, Edward C., Jr., Gannon, and Fiscella.

Clunan, Albert B., assignor to Wingfoot Corporation, Akron, Ohio. Reinforced edge transparent wall container and blank therefor. 2,500,484, Mar. 14.

Clunan, Albert B., assignor to Wingfoot Corporation, Akron, Ohio. Packaging. 2,525,651, Oct. 10.

Clute, Foster L., San Francisco, Calif. Bottle supporting bracket. 2,527,796, Oct. 31.

Clute, Howard H., assignee: *See*—
Currier, Carl J.

Clutsom, Charles, Ashby-de-la-Zouch, England. Loom with stationary weft supply. 2,532,087, Nov. 28.

Clutton, Sam W., Great Falls, Mont. Grease-well journal box dust guard. 2,497,864, Feb. 21.

Clutz, Charles W., and E. A. Young, assignors to Eastman Kodak Company, Rochester, N. Y. Scale engraving and numbering apparatus. 2,496,936, Feb. 7.

Cly-Del Mfg. Co., assignee: *See*—
Garthwait, Clyde W., and Turner.
Cneesh, Adam, San Francisco, Calif. Slidable jaw wrench with face attachments. 2,524,308, Oct. 3.
Coake, Charles F., Indianapolis, assignor to Senn Corporation, New Augusta, Ind. Magnetically operated oscillatory switch. 2,499,632, Mar. 7.
Coake, Charles F., Indianapolis, Ind. Snap switch. 2,505,605, Apr. 25.
Coar, Richard J., Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Supercharger control. 2,533,714, Dec. 12.
Coast Envelope Company, assignee: *See*—
Miller, Joseph C.
Coate, Ralph S., Haddonfield, N. J., assignor to Radio Corporation of America. Cathode-ray tube tester. 2,532,759, Dec. 5.
Coates, Clyde E., assignor to The Taylor-Winfield Corporation, Warren, Ohio. Movement controlling valve means for follow-up pressure fluid servomotors and the like. 2,516,449, July 25.
Coates, Kenneth W., La Porte, Ind. Worm nut brake for adjustable end wrenches. 2,506,066, May 2.
Coats, Gilbert E., Fort Dodge, Iowa. Tire-changing stand with a rotatable tool suporting shaft. 2,505,172, Apr. 25.
Coats, Judson M., assignor to Merco Industries Inc., Seattle, Wash. Infrared generator. 2,535,268, Dec. 26.
Cobb, Clifton A., University City, assignor to Missouri Automatic Control Corporation, St. Louis, Mo. Temperature control device. 2,502,556, Apr. 4.
Cobb, Clifton A., University City, assignor to Missouri Automatic Control Corporation, St. Louis, Mo. Temperature responsive control. 2,527,117, Oct. 24.
Cobb, John B., Washington, N. C. Basketball backboard goal support. 2,517,463, Aug. 1.
Coberly, Clarence J., Los Angeles, assignor to Kobe, Inc., Huntington Park, Calif. Fluid-operated pumping device with hydraulic lift. 2,499,356, Mar. 7.
Coberly, Clarence J., Los Angeles, assignor to Kobe, Inc., Huntington Park, Calif. Two-zone pumping system with control valve. 2,499,357, Mar. 7.
Coberly, Clarence J., Los Angeles, assignor to Kobe, Inc., Huntington Park, Calif. Two-zone pumping system with gas anchor. 2,499,849, Mar. 7.
Cobine, James D., Niskayuna, N. Y., assignor to General Electric Company. Magnetically controlled electric discharge device. 2,522,209, Sept. 12.
Coborn Engineering Company Limited, assignee: *See*—
Aspeek, Reginald J.
Coburn, D. A., assignee: *See*—
Heidger, Leonard.
Coburn, Kenneth G., Middletown, Ohio, assignor to Armco Steel Corporation. Method of and apparatus for coating metallic strands with a metal coating. 2,526,731, Oct. 24.
Coburn Manufacturing Company, assignee: *See*—
Heidger, Leonard.
Coburn, O. A., assignee: *See*—
Heidger, Leonard.
Coburn, R. O., assignee: *See*—
Heidger, Leonard.
Coburn, Robert C., East Hartford, Conn. Pipe cutter. 2,502,825, Apr. 4.
Coburn, William K., Cambridge, assignor to Serdex, Inc., Boston, Mass. Chronometric recorder. 2,495,652, Jan. 24.
Coca Cola Bottling Company of Minnesota, Incorporated, assignee: *See*—
Anglo, James E.
Coca-Cola Company, The, assignee: *See*—
Copping, Bruce G.
Harrison, Joseph S.
Cochran, Charles B., Baltimore, Md. Combination advertising and return order blank. 2,517,843, Aug 8.
Cochran, Charles W., Jr., U. S. Navy, Yeadon, Pa. Fuel air ratio instrument. 2,526,635, Oct. 24.
Cochran, Charles W., Jr., U. S. Navy, Yeadon, Pa. Compound indicating instrument. 2,532,290, Dec. 5.
Cochran, Earl V., Dayton, Ohio, assignor to Hansen Manufacturing Company, Princeton, Ind. Electric motor. 2,518,756, Aug. 15.
Cochran, James H.: *See*—
Bousquet, Euclid W., Cochran, and Krister.
Cochran, John K., Conyngham, Pa., assignor, by mesne assignments, to The Marquette Metal Products Company, Cleveland, Ohio. Latch mechanism for textile spindles. 2,497,865, Feb. 21.
Cochran, John K., Conyngham, Pa., assignor, by mesne assignments, to The Marquette Metal Products Company, Cleveland, Ohio. Textile spindle slide mounting. 2,497,866, Feb. 21.
Cochran, John K., Conyngham, assignor to The Duplan Corporation, Hazleton, Pa. Yarn guard for double twist spindle assembly. 2,503,936, Apr. 11.
Cochran, John W., assignor to Warwood Tool Company, Wheeling, W. Va. Packaging for handled tools. 2,501,811, Mar. 28.
Cochran, Richard, South Gate, Calif. Lawn edger. 2,496,377, Feb. 7.
Cochrane, Alfred P. M.: *See*—
Mill, Alfred P.
Cochrane, Louis W., Matawan, N. J., assignor to United Board & Carton Corporation, New York, N. Y. Cup-carrying tray. 2,533,997, Dec. 12.
Cochrane, Richard M.: *See*—
Logan, Joseph A., and Cochrane.
Cochrane, Richard M., Longmeadow, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Control system for dual firing rate oil burners. 2,504,250, Apr. 18.
Cocker Machine and Foundry Company, assignee: *See*—
Bodansky, John C.
Watson, Thomas E.
Cockerell, Ronald L. R., Regina, Saskatchewan, Canada. Pendulum inclinometer. 2,505,884, May 2.
Cockrell, Blanche L., Seat Pleasant, Md. Article of furniture. 2,512,416, June 20.
Cockrell, Dennis, Durham, Okla. Sectional grain pan for threshing machines. 2,500,803, Mar. 14.
Cockrell, William S., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Self-broaching rivet. 2,510,076, June 6.
Cockrill, Huston W.: *See*—
Wild, Norman R., and Cockrill.
Cocks, Russell H., Long Beach, and R. G. Smith, Los Angeles, assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif. Gun package. 2,493,945, Jan. 10.
Codd, Joseph W., San Francisco, Calif. Fishing lure. 2,500,451, Mar. 14.
Cody, Edward L., Denver, Colo. Automobile servicing system and means. 2,511,316, June 13.
Cody, Richard J., Evanston, Ill., assignor to Federal-Mogul Corporation, Detroit, Mich. Shipping and display box. 2,517,767, Aug. 8.
Cody, Richard J., Evanston, Ill., assignor to Federal-Mogul Corporation, Detroit, Mich. Shipping and display box. 2,524,516, Oct. 3.
Cody, Richard J., Evanston, Ill., assignor to Federal-Mogul Corporation, Detroit, Mich. Shipping and display box. 2,529,595, Nov. 14.
Coe, Frank S.: *See*—
Hogeman, Hans, and Coe.
Coe, George B., Upper Montclair, N. J., assignor, by mesne assignments, to Tube Reducing Corporation, Stamford, Conn. Die-shaping machine. 2,513,285, July 4.
Coe, James C., Inyokern, Calif. Automatic gain control. 2,515,196, July 18.
Coe, James C., Washington, D. C. Noise limiter. 2,518,449, Aug. 15.
Coe Manufacturing Company, The, assignee: *See*—
Haumann, George.
St. Clair, Charles W.
Coe, Thomas H., Jr., Lakeville, Conn. Hydraulic knee joint for artificial legs or leg braces. 2,519,226, Aug. 15.
Coel, Leo, New York, N. Y., assignor to Holland-Rantos Company, Inc. Clinical model. 2,495,568, Jan. 24.
Coes, Loring, Jr., Brookfield, assignor to Norton Company, Worcester, Mass. Plasticization and vulcanization of butadiene-acrylic nitrile copolymer. 2,526,601, Oct. 17.
Coeterier, Frederik, Eindhoven, Netherlands, assignor by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn. as trustee. Cavity resonator device for ultra-short waves. 2,496,378, Feb. 7.
Coeterier, Frederik, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Discharge tube. 2,508,228, May 16.
Coeterier, Frederik, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Device comprising a discharge tube sensitive to space charge variations. 2,533,767, Dec. 12.
Coeterier, Frederik, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Device comprising an electric discharge tube for ultra high frequencies. 2,534,545, Dec. 19.
Coff, Leo, New York, N. Y. Composite floor of metal and concrete. 2,510,958, June 13.
Coffee, Joseph D., Pueblo, Colo. Flume divider. 2,500,452, Mar. 14.
Coffeen, William W., Union, and R. R. Danielson, Elizabeth, N. J., assignors to Metal & Thermit Corporation, New York, N. Y. Acid-resistant enamels. 2,507,691, May 16.
Coffey, Charles A., and W. T. Walton, Chicago, Ill., assignors to The Sherwin-Williams Company, Cleveland, Ohio. Production of dehydrated castor oil. 2,517,765, Aug. 8.
Coffey, Charles A., W. T. Walton, and N. Britan, Chicago, Ill., assignors to The Sherwin-Williams Company, Cleveland, Ohio. Manufacture of modified alkyd resins and products. 2,528,946, Nov. 7.
Coffey, Daniel J., Bronx, N. Y. Line holder. 2,505,606, Apr. 25.
Coffey, Elmer W., La Grange, Ill. Drafting-scale guard. 2,504,251, Apr. 18.
Coffey, Francis T., Sr., Los Angeles, Calif. Motion-picture viewer. 2,516,678, July 25.
Coffey, Francis T., Sr., Los Angeles, Calif. Motion-picture projector having cam operated intermittent film feed and shutter. 2,533,560, Dec. 12.
Coffey, George L., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Control for automatically reversing the carriage feed of a lathe. 2,521,901, Sept. 12.

Coffey, James R., deceased, by U. Coffey, administratrix, Louisville, Ky., assignor to General American Transportation Corporation, Chicago, Ill. Seal for driers. 2,522,993, Sept. 19.

Coffey, Samuel, G. W. Driver, and D. A. W. Fairweather, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Preparing leuco sulfuric ester derivatives of 1:4-dibenzoylamino-anthroquinone. 2,504,806, Apr. 18.

Coffey, Samuel, G. W. Driver, D. A. W. Fairweather, and F. Irving, Manchester, England, assignors to Imperial Chemical Industries, Limited. Manufacture of sulfuric esters of leuco vat dyestuffs. 2,506,580, May 9.

Coffey, Samuel, D. A. W. Fairweather, and D. E. Hathway, Blackley, Manchester, England., assignors to Imperial Chemical Industries Limited. Leuco sulfate esters of 1:1'-dianthraquinonylamides of dibasic carboxylic acids. 2,508,814, May 23.

Coffey, Ursula, administratrix: *See*— Coffey, James R.

Coffin, David D., Waltham, assignor to Raytheon Manufacturing Company, Newton, Mass. Condenser charging system. 2,515,632, July 18.

Coffin, John M., Silver Spring, Md. Combination roller chock and mooring bitts. 2,498,394, Feb. 21.

Coffin, Joseph G.: *See*— De Ganahl, Carl, Coffin, and Basch.

Coffin, Wesley W.: *See*— Erisman, Maurice J., and Coffin.

Coffing, Fredrick W., assignor to Coffing Hoist Company, Danville, Ill. Cable or chain jack. 2,506,705, May 9.

Coffing, Fredrick W., assignor to Coffing Hoist Company, Danville, Ill. Free chain combination hoist and wire stretcher. 2,507,889, May 16.

Coffing, Fredrick W., assignor to Coffing Hoist Company, Danville, Ill. Threaded keylock structure. 2,519,023, Aug. 15.

Coffing Hoist Company, assignee: *See*— Coffing, Fredrick W.

Coffing, James R., Danville, Ill. Pet feeder. 2,528,742, Nov. 7.

Coffman, Donald D., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Ethylene-alkylene oxide copolymers. 2,516,960, Aug. 1.

Coffman, Donald D., Wilmington, Del., and J. F. Lontz, Nutley, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Lubricants containing copolymers of ethylene and vinyl acetate. 2,499,723, Mar. 7.

Coffman, Donald D., and J. T. Maynard, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Dithiocyanogen adducts of esters of 4-hydroxybutadiene-1,2, and making same. 2,502,507, Apr. 4.

Coffman, Donald D., and L. F. Salisbury, Wilmington, Del., and N. D. Scott, Sanborn, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Nitriles from butadiene and hydrogen cyanide. 2,509,859, May 30.

Coffman, Ralph K., Arlington County, Va. Portable self-locking clamp. 2,510,077, June 6.

Coffman, Robert S.: *See*— Simpson, Roy L., and Coffman.

Cofran, Louis L.: *See*— Goepfert, George J., and Cofran.

Coggeshall, Almy D.: *See*— Scott, Benjamin B., Greene, and Coggeshall.

Coggeshall, Norman D., Verona, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Electrical logarithm computer. 2,497,208, Feb. 14.

Coggeshall, Thellwell R.: *See*— Skeats, Wilfred F., and Coggeshall.

Coggeshall, Thellwell R., Bala Cynwyd, Pa., assignor to General Electric Company. Resistance unit for electric circuit breakers. 2,513,918, July 4.

Coggeshall, Thellwell R., Bala Cynwyd, Pa., assignor to General Electric Company. Electric circuit interrupter. 2,522,994, Sept. 19.

Coghill, Robert D.: *See*— Stodola, Frank H., Wachtel, and Coghill.

Coghill, Robert D., Lake Bluff, A. W. Weston, Waukegan, and D. W. MacCorquodale, Highland Park, assignors to Abbott Laboratories, North Chicago, Ill. Penicillin salts of aminoacid esters of sterols and preparation thereof. 2,519,112, Aug. 15.

Coghlan, Jacob W., Pueblo, Colo. Saw clamping and filing machine. 2,505,278, Apr. 25.

Cogsdill, Stuart A., assignor to Cogsdill Twist Drill Co., Detroit, Mich. Container for holding a set of drills and punch. 2,526,732, Oct. 24.

Cogsdill Twist Drill Co., assignee: *See*— Cogsdill, Stuart A.

Cogswell, Byron A., Williamston, Mich. Axial flow pump. 2,500,400, Mar. 14.

Cohee, Rolland F., Jr., Wheaton, Ill., assignor to Corn Products Refining Company, New York, N. Y. Treating vinegar. 2,531,029, Nov. 21.

Cohen, Aaron: *See*— Bergel, Franz, and Cohen.

Cohen, Aaron, Welwyn Garden City, England, assignor to Hoffmann-La Roche Inc., Nutley, N. J. Manufacture of pyridyl-3-carbinol. 2,520,037, Aug. 22.

Cohen, Abraham, Brooklyn, N. Y. Gaseous compressing system. 2,511,494, June 13.

Cohen, Albert, United States Navy. Electrodynamic relay. 2,503,243, Apr. 11.

Cohen, Arthur M., New Rochelle, N. Y., assignor to Ward Leonard Electric Company. Electric controlling apparatus. 2,496,120, Jan. 31.

Cohen, Arthur M., New York, N. Y. Cascade regulator. 2,509,262, May 30.

Cohen, Charles A., Roselle Park, N. J., assignor to Standard Oil Development Company. Purification of petroleum sulfonates. 2,497,152, Feb. 14.

Cohen, Charles A., Roselle Park, N. J., assignor to Standard Oil Development Company. Extensively treating petroleum distillates. 2,515,197, July 18.

Cohen, Charles A., Roselle Park, N. J., assignor to Standard Oil Development Company. Treatment of oils corrosive to copper. 2,527,176, Oct. 24.

Cohen, Charles A., Roselle Park, N. J., assignor to Standard Oil Development Company. Production of alkaline earth sulfonates. 2,532,997, Dec. 5.

Cohen, Charles A., Roselle Park, N. J., assignor to Standard Oil Development Company. Producing mahogany acids and mahogany soaps. 2,535,784, Dec. 26.

Cohen, Charles A., Roselle Park, and C. W. Muessig, Roselle, N. J., assignors to Standard Oil Development Company. Alkylation of aromatic hydrocarbons. 2,521,344, Sept. 5.

Cohen, Emanuel I., Philadelphia, Pa. Portable altar construction. 2,522,210, Sept. 12.

Cohen, Emanuel I., Philadelphia, Pa. Portable altar construction. 2,529,002, Nov. 7.

Cohen, Esther, Washington, D. C. Teething ring. 2,514,844, July 11.

Cohen, Felix, Denver, Colo. Christmas tree lighting system. 2,533,222, Dec. 12.

Cohen, Harry: *See*— Steinberg, Ralph H., and Cohen.

Cohen, Heinrich, assignor to Laboratoires Medial S. A., Geneva, Switzerland. Preparation of aromatic coffee extract. 2,494,928, Jan. 17.

Cohen, Helen S., East Bakersfield, Calif. Safety pin device. 2,515,551, July 18.

Cohen, Jacques, New York, N. Y. Baby's garment. 2,509,674, May 30.

Cohen, Jeffrey S., Los Angeles, Calif., assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Antenna input circuits. 2,512,481, June 20.

Cohen, Jeffrey S., Los Angeles, Calif., assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Antenna input circuits. 2,515,441, July 18.

Cohen, Joseph S., Great Neck, N. Y., assignor to Chairtown Manufacturing Company, Gardner, Mass. Detachable chair base. 2,531,322, Nov. 21.

Cohen, Julius: *See*— Greenblatt, Hyman S., and Cohen.

Cohen, Karl, New York, N. Y., and E. H. McArdle, Linden, N. J., assignors to Standard Oil Development Company. Transferring heat by a hydrocarbon medium. 2,497,929, Feb. 21.

Cohen, Louis, and S. R. Rahn, Philadelphia, Pa. Motion-picture reel end signal mechanism. 2,493,340, Jan. 3.

Cohen, Maurice M., assignee: *See*— Fichter, Julius.

Cohen, Myer, Beverly, Mass. Infant's folding chair. 2,508,905, May 23.

Cohen, Nathaniel L., Rockaway Beach, N. Y. Servo mechanism. 2,534,106, Dec. 12.

Cohen, Raymond D., Bronx, N. Y. Shoulder pad for garments. 2,526,808, Oct. 24.

Cohen, Raymond K.: *See*— Greenwald, Bertrand W., and Cohen.

Cohen, Samuel J., Henderson, Nev., assignor to Hardesty Chemical Co. Inc. Alkyl benzyl sebacates. 2,500,893, Mar. 14.

Cohen, Samuel J., Henderson, Nev. Centrifugal apparatus and method for effecting chemical reactions. 2,507,490, May 16.

Cohen, Samuel J., Rochester, and W. E. Scheer, Jackson Heights, N. Y., said Scheer assignor to said Cohen. Vulcanized dehydrochlorinated material. 2,500,152, Mar. 14.

Cohen, Theodore A., Chicago, Ill., assignor to Wheelco Instruments Company. Motor control system for recording instruments. 2,527,797, Oct. 31.

Cohn, Arthur, New York, N. Y. Desk pad structure. 2,530,115, Nov. 14.

Cohn, Charles E., South Orange, N. J. Plug-in electrical unit. 2,506,067, May 2.

Cohn, Ernst M., and L. J. E. Hofer, Pittsburgh, Pa., assignors to the United States of America as rpresented by the Secretary of the Interior. Preparation of iron carbides. 2,535,042, Dec. 26.

Cohn, Eugene, Chicago, Ill. Atmosphere purifying device. 2,535,565, Dec. 26.

Cohn, Irwin, Leominster, Mass. Musical pinwheel. 2,495,365. Jan. 24.

Cohn, Irwin, Leominster, Mass. Dancing doll. 2,504,652, Apr. 18.

Cohn, Irwin, Leominster, Mass. Drinking doll. 2,504,653, Apr. 18.

Cohn, Irwin, Leominster, Mass. Sound-producing toy pin wheel. 2,532,835, Dec. 5.

Cohn, Jacob V., Detroit, Mich. Roll collar. 2,500,910, Mar. 14.

Cohn, Jacob V., Detroit, Mich. Roll collar. 2,500,911, Mar. 14.
Cohn, Louis A., Ossining, and A. Zola, New York, N. Y. Medicament dispenser. 2,528,819. Nov. 7.
Cohn, Louis I., Philadelphia, Pa. Hand truck. 2,519,113, Aug. 15.
Cohn, Maurice L., assignor to Change-A-Blade Corporation, New York, N. Y. Thread cutter. 2,505,705, Apr. 25.
Cohn, Maurice L., assignor to Change-A-Blade Corporation, New York, N. Y. Pinking shears. 2,508,706, May 23.
Cohn, Milton L., Tampa, Fla. Pipe puller. 2,502,826, Apr. 4.
Cohoes Envelope Company, Inc., assignee: *See*—
McMillan, Harold.
Simpson, William.
Cole, William R., Des Moines, Iowa. Head support for telephones. 2,535,269, Dec. 26.
Coit, Burton C., Jr., assignor to Tri-State Engineering Company, Washington, Pa. Combined pallet and crate structure. 2,513,452, July 4.
Cojan, Jean, Bourg-La-Reine, France. Ocular lens system. 2,528,468, Oct. 31.
Coker, Morton M., assignor to Caterpillar Tractor Co., Peoria, Ill. Hydraulically actuated clutch and brake mechanism. 2,526,935, Oct. 24.
Cokins, Leona M., Washington, Ind. Mechanical toy. 2,503,655, Apr. 11.
Colaluca, Leonardo, Somerville, N. J. Shuffleboard weight. 2,494,929, Jan. 17.
Colaluca, Phillip, Youngstown, Ohio. Casting target. 2,511,430, June 13.
Colander, Roy, Cedar Rapids, Iowa, and M. L. Doelz, Minneapolis, Minn., assignors to Collins Radio Company, Cedar Rapids, Iowa. Temperature control of electrovibratory systems. 2,524,886, Oct. 10.
Colanto, Joseph M., Saugus, Mass. Dispensing attachment for barrels. 2,509,962, May 30.
Colarossi, Malvina, Los Angeles, Calif. Door hook. 2,516,185, July 25.
Colbeck, Eric W., and D. W. Adams, assignors to Hadfields Limited, Sheffield, England. Composite surfacing weld rod. 2,507,195, May 9.
Colbert, William H., and A. R. Weinrich, Brackenridge, and W. L. Morgan, Haverford, Pa., assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Forming strongly adherent metallic compound films by glow discharge. 2,501,563, Mar. 21.
Colbert, William H., Brackenridge, Pa., W. L. Morgan, Columbus, Ohio, and A. R. Weinrich, Brackenridge, Pa., assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Mirror having a strongly adherent metallic coating. 2,508,858, May 23.
Colbert, William H., Brackenridge, and W. L. Morgan, Haverford, Pa., assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Colored mirror. 2,519,545, Aug. 22.
Colbert, William H., Brackenridge, and W. L. Morgan, Haverford, Pa., assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Colored mirror. 2,519,546, Aug. 22.
Colbert, William H., Brackenridge, and W. L. Morgan, Haverford, Pa., assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Colored mirror. 2,519,547, Aug. 22.
Colburn, George C.: *See*—
Beckwith, Edwin L., and Colburn.
Colburn, William E.: *See*—
Wallace, Roger W., and Colburn.
Colby, Amerst E.: *See*—
Dosser, Robert C., and Colby.
Colby, Carroll C.: *See*—
Andersen, Tengel, and Colby.
Colby, Noel T., Burney, Calif. Ground mine. 2,509,213, May 30.
Cold Metal Products Company, The, assignee: *See*—
Cooper, David P.
Cooper, David P., and Sevenich.
Sevenich, Earnest D.
Cold, Otto H., Los Angeles, Calif. Clothespin. 2,527,674, Oct. 31.
Coldsnow, Van B., St. Clair Shores, assignor to Dihydrol Company, Detroit, Mich. Water treatment pump with measuring trap. 2,530,682, Nov. 21.
Coldwell, Walter A., Tallahassee, Fla. Internal-grip wrench having a flexible shank and a resilient, compressible, gripping member. 2,511,049, June 13.
Cole, Abel J., Chicago, assignor to The Buda Company, Harvey, Ill. Nozzle tester. 2,517,766, Aug. 8.
Cole, Albert B. and S. H., Holborn, London, England. Construction of suit and like cases. 2,497,979, Feb. 21.
Cole, Allan B.: *See*—
Laverty, Francis W., and Cole.
Cole, Arthur E., West Haven, assignor to National Folding Box Company, Inc., New Haven, Conn. Bottle carrier. 2,524,517, Oct. 3.
Cole, Ben R., Princeton, N. J., assignor to Radio Corporation of America. Radio system. 2,503,546, Apr. 11.
Cole, Charles E., Tenafly, assignor to Bendix Aviation Corporation, Teterboro, N. J. Servo valve actuating device for boost regulators. 2,508,229, May 16.
Cole, Cornelius C., El Paso, Tex. Combination paste dispenser and brush holder. 2,500,520, Mar. 14.
Cole, Dalton E., Chicago, Ill. Construction toy. 2,497,657, Buffalo, N. Y. Relay control circuits for signal-seeking Feb. 14.
Cole, Dana W., assignor to Colonial Radio Corporation, receivers. 2,500,347, Mar. 14.
Cole, Dana W., Buffalo, R. A. Gull, Kenmore, J. C. Pontius, Williamsville, and J. P. Rug, assignors to Colonial Radio Corporation, Buffalo, N. Y. Dynamic test apparatus for piezoelectric crystals. 2,517,977, Aug. 8.
Cole, Edward S., Upper Montclair, N. J., assignor to Pitometer Log Corporation, New York, N. Y. Ship's log. 2,533,998, Dec. 12.
Cole, Emmett R., Peru, Ind. Steam boiler. 2,496,985, Feb. 7.
Cole, Frank A., Pittsburgh, Pa. Portable power-driven file. 2,493,226, Jan. 3.
Cole, Frank E., Manchester, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for applying pressure to shoe bottoms. 2,529,798, Nov. 14.
Cole, Fred H., Los Angeles, Calif. Switch contact device. 2,498,250, Feb. 21.
Cole, Frederick A., Detroit, Mich. Knob assembly. 2,496,700, Feb. 7.
Cole, Henry B., assignor to American Optical Company, Southbridge, Mass. Diagnostic instrument. 2,507,771, May 16.
Cole, Herbert, assignee: *See*—
Seil, Harvey A., and Cole.
Cole, Herbert, Boston, Mass. Multicompartment condiment holder. 2,513,625, July 4.
Cole, Herman D., Girard, Kans. Invalid handling apparatus. 2,516,553, July 25.
Cole Hot Blast Mfg. Co., assignee: *See*—
Wedderspoon, Arthur F.
Cole, John W.: *See*—
Julian, Percy L., Cole, Meyer, and Magnani.
Cole, Lester, Nicholls, Ga. Root cutter. 2,495,052, Jan. 17.
Cole, Lyndon C., Cleveland, Ohio, assignor to H-P-M Development Corporation, Wilmington, Del. Adjustable booster ram assembly for hydraulic motors. 2,526,809, Oct. 24.
Cole, Melville R., Manchester, Tenn. Washing machine with gas supply means. 2,535,901, Dec. 26.
Cole, Melvin B., River Edge, assignor, by mesne assignments, to Federal Electric Products Company, Newark, N. J. Electric switch. 2,498,531, Feb. 21.
Cole, Peter A.: *See*—
Kuper, James B. H., and Cole.
Cole, Philip L., Silver Spring, Md. Card aligning device. 2,527,532, Oct. 31.
Cole, Ralph N., assignor to The Canton Malleable Iron Company, Canton, Ohio. Annealing furnace. 2,502,204, Mar. 28.
Cole, Reginald A. L., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Heat radiator for electron discharge devices. 2,502,429, Apr. 4.
Cole, Robert M., Oakland, assignor to Shell Development Company, San Francisco, Calif. Solvent extraction of unsaturated hydrocarbons. 2,523,681, Sept. 26.
Cole, Sydney H.: *See*—
Cole, Albert R. and S. H.
Cole, William A., assignee: *See*—
Webber, John D.
Coleman, Buck R., Bronte, assignor of forty-nine percent to B. E. Bolander, Miles, Tex. Surveying instrument. 2,523,255, Sept. 19.
Coleman Company, Inc., The, assignee: *See*—
Coleman, William C.
Coleman, Dempsey, Fairbluff, N. C. Fire alarm system. 2,523,097, Sept. 19.
Coleman, Edwin D., Maywood, Ill. Changeable graduated scale. 2,528,640, Nov. 7.
Coleman, Eva B., Regina, Saskatchewan, Canada. Salt and pepper shaker. 2,493,109, Jan. 3.
Coleman, Gerald H.: *See*—
Britton, Edgar C., and Coleman.
Coleman, Gregory, New York, N. Y. Hobbyhorse. 2,504,000, Apr. 11.
Coleman, Grover C., Detroit, Mich. Tire and wheel puller and replacer. 2,517,631, Aug. 8.
Coleman, Harold M.: *See*—
Hopkins, Ervin W., Jendryaszek, and Coleman.
Coleman, Howard, Bay City, Mich. Vehicle body construction. 2,534,501, Dec. 19.
Coleman, Joseph E., Red Bank, N. J., assignor to the United States of America as represented by the Secretary of War. Crystal analysis apparatus having a removable crystal holder. 2,497,070, Feb. 14.
Coleman Lamp and Stove Company, The, assignee: *See*—
Olds, Ambrose D.
Coleman, Marvin W., Dearborn, Mich. Plunger pump. 2,498,359, Feb. 21.
Coleman, Marvin W., Detroit, Mich. Fixture for portable power-driven tools. 2,502,640, Apr. 4.
Coleman, Maurice, Brooklyn, N. Y. Electric bell with momentum action gong striker. 2,522,664, Sept. 19.
Coleman, Ralph M., C. H. La Mar, and H. N. Robertson, El Paso, Tex. Selective passenger registration meter for taxicabs. 2,530,861, Nov. 21.

Coleman, Richard N., Broadview, Ill., assignor to International Harvester Company. Filter element. 2,518,285, Aug. 8.

Coleman, Robert E., Jr.: *See*—
Clayden, Francis W., and Coleman.

Coleman, Sidney B., Basking Ridge, N. J. Control means for sound-slide film projectors. 2,498,070, Feb. 21.

Coleman, William C., assignor to The Coleman Company, Inc., Wichita, Kans. Heating apparatus. 2,516,368, July 25.

Coleman, William C., assignor to The Coleman Company, Inc., Wichita, Kans. Heating apparatus. 2,516,369, July 25.

Coleman, William C., assignor to The Coleman Company, Inc., Wichita, Kans. Chimney cap. 2,522,995, Sept. 19.

Coleman, William C., assignor to The Coleman Company, Inc., Wichita, Kans. Floor furnace. 2,530,151, Nov. 14.

Colegrove, Earl: *See*—
Boggs, Nelson N., Colegrove, and Walters.

Colegrove, Nathaniel E., assignor to White Sewing Machine Corporation, Cleveland, Ohio. Sewing machine. 2,515,338, July 18.

Colegrove, Nathaniel E., assignor to White Sewing Machine Corporation, Cleveland, Ohio. Speed regulator for electric motors. 2,520,492, Aug. 29.

Coler-Dark, Leslie, Flushing, assignor to Universal Fountain Pen & Pencil Company, New York, N. Y. Ball-pointed pen. 2,500,979, Mar. 21.

Coler, Myron A., assignor to Synergistics, Inc., New York, N. Y. Skin dressings with fugitive colors. 2,496,270, Feb. 7.

Coles, Harold J., assignor, by mesne assignments, to E. G. Davis, Cleveland, Ohio. Live center for lathes, etc. 2,499,131, Feb. 28.

Coles, Horace E.: *See*—
Hull, Robert R., and Coles.

Coles, Joseph F.: *See*—
Mayer, Erwin and Coles.

Coles, Robert F.: *See*—
Tulagin, Vsevolod, and Coles.

Coles, Robert F., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Magenta phenazonium dyestuff images from 8-hydroxyquinoline couplers. 2,524,725, Oct. 3.

Coles, Samuel L., Robertson, Mo. Lockable pliers. 2,513,401, July 4.

Coley, George S., San Jose, and J. Sousa, Mountain View, Calif., assignors to Schuckl & Co., Inc. Vegetable canning device. 2,518,757, Aug. 15.

Coley, John R., Chicago, Ill., assignor to The Texas Company, New York, N. Y. Producing ketones. 2,516,958, Aug. 1.

Coley, Nelson B., assignor to General Railway Signal Company, Rochester, N. Y. Air traffic control system. 2,515,633, July 18.

Coley, Nelson B., assignor to General Railway Signal Company, Rochester, N. Y. Airplane approach control system. 2,529,596, Nov. 14.

Coley, Wade H., Montgomery, W. Va. Key filing card. 2,506,199, May 2.

Coley, William R., Edgewood, Pa. Earpiece with plural sound passages. 2,506,490, May 2.

Colgate-Palmolive-Peet Company, assignee: *See*—
Bell, Adam C., and Alsop.
Clark, John R., and Malkemus.
Heald, Robert F., Sutter, and Compa.
Holuba, Stanley J.
Hughes, Harley R., and Rice.
Ittner, Martin H.
Klippert, Andrew A.
Krause, George A., and Grunewald.
Malkemus, John D., and Ross.
Marshall, Donald E.
Ross, John, and Gebhart.
Ross, John, and Malkemus.
Schulerud, Albert L.
Telschow, William F.
Whitman, Robert G.

Colgate, William H., Highland Park, Ill. Package. 2,497,071, Feb. 14.

Colibri Lighters Limited, assignee: *See*—
Lowenthal, Julius, and Moore.

Colin, Robert I.: *See*—
Busignies, Henri G., Adams, and Colin.

Colingsworth, Donald R., assignor to The Upjohn Company, Kalamazoo, Mich. Production of streptomycin using fermentation solubles. 2,504,067, Apr. 11.

Collard, John, Hammersmith, London, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. High-frequency impedance transformer for transmission lines. 2,507,692, May 16.

Collard, John, Hammersmith, London, assignor to Electric & Musical Industries Limited, Hayes, England. Connector for high-frequency transmission lines and the like. 2,518,665, Aug. 15.

Collard, John, Hammersmith, London, England, assignor to Electric and Musical Industries, Limited. Minimizing reflection of radio waves. 2,527,918, Oct. 31.

Collard, Lewis L., Camas, Wash., assignor to Crown Zellerbach Corporation, San Francisco, Calif. Expansible shaft. 2,520,126, Aug. 29.

Colle, William G., assignor to The Tilley Lamp Company Limited, London, England. Incandescent mantle for lighting and heating appliances. 2,506,706, May 9.

Collender, Gustave A., assignor to Six Wheels, Inc., Los Angeles, Calif. Clutch. 2,515,986, July 18.

Collender, Gustave A., assignor to Six Wheels, Inc., Los Angeles, Calif. Steering linkage for heavy-duty multiple-wheeled vehicles. 2,519,742, Aug. 22.

Collett, Howard E., Redondo Beach, Calif. Overhead valve spring remover. 2,519,024, Aug. 15.

Collette, Joseph C., Rock Falls, Ill. Spring. 2,514,475, July 11.

Colley, Ralph, Tonica, Ill. Harrow truck. 2,533,999, Dec. 12.

Colley, Russell S., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Inflatable cable-support apparatus for aircraft landing means. 2,526,541, Oct. 17.

Collier, Donald W., Philadelphia, Pa., assignor to The Sharples Corporation. Treating aconitic acid-containing plant extracts. 2,513,287, July 4.

Collier, Millard, Vinita, Okla. Ice breaking attachment for vessels. 2,517,978, Aug. 8.

Collier, Millard, Vinita, Okla., assignor of one-half to C. D. Stephens, Omaha, Tex. Roller skate. 2,535,566, Dec. 26.

Collier, Robert H., Oak Park, Ill., assignor to International Harvester Company. Portable wire-bound box. 2,507,693, May 16.

Collin, Einer E., Grants Pass, Oreg. Article of furniture. 2,512,827, June 27.

Colling, Charles E., San Diego, Calif. Two-piece rodent trap of springy sheet material. 2,526,199, Oct. 17.

Collings, Nigel J., Lombard, assignor to W. R. Brown Corporation, Chicago, Ill. Pulley. 2,507,093, May 9.

Collings, Thomas G.: *See*—
Derby, John H., and Collings.

Collins, Arthur A., assignor to Collins Radio Company, Cedar Rapids, Iowa. Radio receiving and frequency conversion system. 2,509,963, May 30.

Collins, Arthur L., Troy, N. Y. Hypodermic syringe holder and guide. 2,525,398, Oct. 10.

Collins, Arthur R.: *See*—
Ryder, Frank A., Korsgren, and Collins.

Collins, Arthur R., Park Ridge, assignor to Stewart-Warner Corporation, Chicago, Ill. Heater control. 2,509,334, May 30.

Collins, Arthur R., Park Ridge, J. H. Leslie, II, Winnetka, and C. T. Novak, Oak Park, assignors to Stewart-Warner Corporation, Chicago, Ill. Method of and apparatus for making spiral heat exchangers. 2,507,094, May 9.

Collins, Arthur R., Park Ridge, F. A. Ryder and R. D. Randall, assignors to Stewart-Warner Corporation, Chicago, Ill. Device for controlling a heater in response to the heater combustion conditions. 2,512,919, June 27.

Collins, Benjamin W., Swarthmore, Pa., assignor to American Viscose Corporation, Wilmington, Del. Manufacture of yarns and the like. 2,519,227, Aug. 15.

Collins, Charles H., Miamisburg, Ohio. Forming tool. 2,506,012, May 2.

Collins, Charles S., Dover, Ohio. Bowling span measuring ball. 2,503,324, Apr. 11.

Collins, David H., Grass Valley, Calif. Towel holder. 2,513,846, July 4.

Collins, Douglas, Salisbury, N. C. Auxiliary control for hydraulic brakes. 2,506,543, May 2.

Collins, Douglas, Salisbury, N. C. Auxiliary control for hydraulic brakes. 2,506,544, May 2.

Collins, Edgar V.: *See*—
Hagie, Raymond W., and Collins.

Collins, Edgar V., and V. S. Peterson, Ames, Iowa. Stack curing apparatus. 2,502,205, Mar. 28.

Collins, Frank, Dearborn, Mich. Apron. 2,512,920, June 27.

Collins, Fred V.: *See*—
Stahl, William D., and Collins.

Collins, Fred V., Des Plaines, assignor to W. F. Stahl, Chicago, Ill. Tube forming apparatus. 2,504,500, Apr. 18.

Collins, Fred V., Des Plaines, assignor to W. F. Stahl, Kenilworth, Ill. Speaker's stand. 2,512,828, June 27.

Collins, Fred V., Des Plaines, assignor to W. F. Stahl, Kenilworth, Ill. Container forming apparatus. 2,514,937, July 11.

Collins, Fred V., Des Plaines, assignor to W. F. Stahl, Kenilworth, Ill. Feed apparatus for tubes. 2,525,590, Oct. 10.

Collins, Fred V., Des Plaines, assignor to W. F. Stahl, Kenilworth, Ill. Power-distribution system. 2,528,722, Nov. 7.

Collins, George H., Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Ammunition box holder. 2,505,097, Apr. 25.

Collins, Henry H., Bryn Mawr, Pa. Utility plate. 2,522,703, Sept. 19.

Collins, Henry L., Fort Worth, Tex. Auto ventilating device. 2,503,323, Apr. 11.

Collins, Henry L., Fort Worth, Tex. Automobile ventilating device. 2,520,623, Aug. 29.

Collins, Henry M., Vaughan, Ontario, assignor to Reliable Plastics Company, Limited, Toronto, Ontario, Canada. Coloring method for plastics. 2,497,346, Feb. 14.

Collins, Henry M., Vaughan Township, York County, and N. E. Adcock, assignors to Reliable Plastics Company, Limited, Toronto, Ontario, Canada. Apparatus for homogeneously combining finely divided substances. 2,502,778, Apr. 4.

Collins, Henry M., Vaughan Township, and C. D. Wright, assignors to Reliable Plastics Company, Limited, Toronto, Ontario, Canada. Apparatus for combining finely divided substances. 2,532,224, Nov. 28.

Collins, Howard C., Molalla, Oreg. Fluid pump. 2,505,386, Apr. 25.

Collins, James G., assignor to Atlas Press Company, Kalamazoo, Mich. Table saw with tiltable and vertically adjustable arbor. 2,530,290, Nov. 14.

Collins, Laurence H., and E. C. Smith, Baltimore, Md. Electric razor. 2,530,759, Nov. 21.

Collins, Leonard T., Curundu, C. Z., assignor of thirty-five-one hundredths to C. A. Keck. Anchor insert for all purposes. 2,517,979, Aug. 8.

Collins, Linza A., Wichita, Kans. Baking tray. 2,514,845, July 11.

Collins, Milford E., Los Angeles, Calif., assignor to Radio Corporation of America. Two-way light communication system. 2,494,645, Jan. 17.

Collins, Milford E., Studio City, Calif., assignor to Radio Corporation of America. Film reel drive. 2,499,850, Mar. 7.

Collins, Milford E., Studio City, Calif., assignor to Radio Corporation of America. Reversible film drive mechanism. 2,499,947, Mar. 7.

Collins, Milford E., Studio City, Calif., assignor to Radio Corporation of America. Recording sound on film. 2,527,399, Oct. 24.

Collins, Neil R., Los Altos, and A. E. Esterberg, Redwood City, assignor to Marine Magnesium Products Corporation, South San Francisco, Calif. Liquid treatment apparatus. 2,499,054, Feb. 28.

Collins, Olive R. B.: *See*—
Balmfirth, Alfred.

Collins Radio Company, assignee: *See*—
Bachmann, Albert E.
Bruene, Warren B.
Clark, John W.
Colander, Roy, and Doelz.
Collins, Arthur A.
Couillard, Luther W.
Davis, Frank M.
Doelz, Melvin L.
Giacoletto, John P.
Hubbard, Merle R.
Hunter, Theodore A.
Kohl, Walter H.
Livingood, John J., Peters, and Streeter.
May, Richard W.
Pyle, Ross S.
Salisbury, Winfield W.
Shanklin, John P.
Sherwood, John R., and Klippel.
Vogel, Vernon H.

Collins, Ralph D., Beverly Hills, Calif., assignor, by mesne assignments, of one-half to The Whitney Blake Company, Hamden, Conn. Continuous method and apparatus for making coiled structures. 2,525,285, Oct. 10.

Collins, Raymond R., Southport, Conn., assignor to The Lummus Company, New York, N. Y. Filter drum screen fastening means. 2,534,161, Dec. 12.

Collins, Raymond R., Southport, Conn., and W. W. Kraft, Scarsdale, assignors to The Lummus Company, New York, N. Y. Bubble cap and riser tube assembly. 2,510,556, June 6.

Collins, Reginald, Harrisville, N. Y. Cruiser's compass. 2,528,339, Oct. 31.

Collins, Robert B., Downers Grove, assignor to Universal Oil Products Company, Chicago, Ill. Mineral wool furnace. 2,521,830, Sept. 12.

Collins, Roy L., Redwood, N. Y. Outlet box hanger. 2,504,180, Apr. 18.

Collins, Roy T.: *See*—
Rydner, Gustaf W., and Collins.

Collins, Russell W.: *See*—
Burger, Michael J., Collins, and Cosler, Jr.

Collins, Sammy G., Oklahoma City, Okla. Stencil stamp. 2,530,378, Nov. 21.

Collins, Samuel C., Watertown, Mass. Apparatus for winding heat exchangers. 2,494,286, Jan. 10.

Collins, Stanley: *See*—
Martin, Aaron, Male, and Collins.

Collins, Vincent J.: *See*—
Griffin, Howard E., and Collins.

Collins, William W.: *See*—
Bortner, William A., Collins, and Tousignan.

Collins and Williams Company, Incorporated, assignee: *See*—
Williams, La Vergne H.

Collis, Clarence B.: *See*—
Birch, Stanley F., Habeshaw, and Collis.

Collis, James A., Los Angeles, Calif. Stop pad for wind instruments. 2,534,660, Dec. 19.

Collis, Melvin, assignor of seventy-five per cent to C. E. Bybee and twenty-five per cent to G. and J. Jeffery, Chico, Calif. Abrasion and grinding machine for saws. 2,501,498, Mar. 21.

Collis, Melvin, Klamath Falls, Oreg. Automatic saw sharpening machine. 2,521,777, Sept. 12.

Collison, Elmer C., assignee: *See*—
Collison, William J.

Collison, John G., Greensboro, N. C. Bone surgery. 2,494,229, Jan. 10.

Collison, John S., Campbell, assignor to R. B. Collison, Bruning, Nebr. Self-locking wrench. 2,533,436, Dec. 12.

Collison, Roland B., assignee: *See*—
Collison, John S. and R. B.

Collison, William J., Pasadena, assignor of one-half to E. C. Collison, Bakersfield, Calif. Cleanout soil fitting. 2,525,399, Oct. 10.

Collmar Corporation, The, assignee: *See*—
Cooksey, Otha.

Collom, Cletus J., Southfield Township, Oakland County, assignor to Weltronic Company, Detroit, Mich. Electrical control apparatus. 2,512,482, June 20.

Collura, Francesco, New York, N. Y., assignor to Waterous Company, St. Paul, Minn. Centrifugal pump. 2,494,988, Jan. 17.

Colman, Edward A., Berkeley, Calif., assignor to the United States of America as represented by the Secretary of Agriculture. Moisture measuring instrument. 2,526,636, Oct. 24.

Colmant, Jean, assignor to Etablissements Colmant & Cuvelier Societe Anonyme, Tournai, Belgium. Impregnating thick textile fabrics with gum. 2,495,808, Jan. 31.

Colomb, Henri, Lausanne, Switzerland. Shock-absorbing bearing. 2,525,525, Oct. 10.

Colombu, Eugéne: *See*—
De Lacotte, Robert H., and Colombu.
Pierrat, Paul, and Colombu.

Colombu, Eugene, assignor to Comptoir des Textiles Artificiels, Paris, France. Thread winder. 2,524,623, Oct. 3.

Colomy, Roy H., Springdale, and C. J. Boenisch, Norwalk, Conn., assignors to Pratt & Gray Company, Inc. Reel driving system. 2,528,580, Nov. 7.

Colonial Broach Company, assignee: *See*—
Gotberg, Harry H.
Gotberg, Harry H., and Gran.
Jessup, James L.
Pataki, Denes, and Welte.
Welte, Benedict.

Colonial Knife Company, Inc., assignee: *See*—
Paolantonio, Antonio.

Colonial-Premier Company, assignee: *See*—
Brandels, Harold.

Colonial Radio Corporation, assignee: *See*—
Carlzen, Carl F.
Cole, Dana W.
Cole, Dana W., Gull, Pontius and Rug.
Gull, Roy A.
Meyer, Alvin D., and Carlzen.
Nicholson, Madison G., Jr.
Pifer, Marion J.
Pifer, Marion J., Meyer, and McGarvey.
Scriven, Alonson E., and Van Every.
Van Every, Bliss E.
Wiley, Verlis H.
Winfield, William S.

Colonnade Company, The, assignee: *See*—
Roberts, Arthur.

Colony Metal Co., Inc., assignee: *See*—
Sanders, Gustave.

Colorado Fuel and Iron Corporation, The, assignee: *See*—
Stuart, Kenneth B.

Colorado Iron Works Company, assignee: *See*—
Weinig, Arthur J.

Colquitt, Odie, assignor to Patents Inc., Denver, Colo. Casing tongs. 2,495,834, Jan. 31.

Colsen, Frank T., Inglewood, Calif. Multiple toolholder. 2,526,617, Oct. 24.

Col-Snac Corporation, assignee: *See*—
Ewertz, Clement G.

Colson Corporation, The, assignee: *See*—
Roe, William C.

Colson, U. O., Company, assignee: *See*—
Hagen, Kenneth R.

Colston, Arthur L., Manhattan Beach, Calif. Body manipulating table. 2,494,746, Jan. 17.

Coltemp Corporation, assignee: *See*—
Munshower, Clarence F.

Colthup, Norman B.: *See*—
Giesecke, Paul, and Colthup.

Coltman, John W.: *See*—
Marshall, Fitz-Hugh B., and Coltman.
Mason, Ruric C., and Coltman.

Colton, Roland J., Port Washington, N. Y. Folding miter gauge. 2,526,852, Oct. 24.

Colton, Roland J., Port Washington, and J. Martial, New York, N. Y. Razor blade ejector pack. 2,502,248, Mar. 28.

Colt's Manufacturing Company, assignee: *See*—
Hedges, Ellsworth C.
Pastore, Michael W., and Rothwell.

Colucci, John, Jr., and R. G. Redmayne, Wilmington, N. C. Apparatus for treating wood veneer by forming spaced incomplete slits therein. 2,535,195, Dec. 26.

Columbia Blind Stitch Machine Mfg. Corp., assignee: *See*—
Zahler, Ben.

Columbia Broadcasting System, Inc., assignee: *See—*
Bretz, Rudolf C.
Goldmark, Peter C.
Schlesinger, Kurt.

Columbia Burner Company, The, assignee: *See—*
Burns, Gordon E.

Columbia Enterprises, assignee: *See—*
Powell, Herman.

Columbia Mills, Inc., The, assignee: *See—*
Burns, Fred J.

Columbia Protektosite Company, Inc., assignee: *See—*
Baldanza, Nicholas T.

Columbia Ribbon and Carbon Manufacturing Company, Inc., assignee: *See—*
Newman, Douglas A.

Columbia Steel Company, assignee: *See—*
Myers, Henry F., and Proelss.

Columbian Bronze Corporation, assignee: *See—*
Steinmeyer. Frank E.

Columbian Carbon Company, assignee: *See—*
Downs, Charles D., and Martin.
Foster, Henry C., and Johnson.
Heller, George L.
Lichtenfels, Merle F.
Venuto, Louis J.
Wiegand, William B., and Braendle.
Wiegand, William B., and Sweitzer.

Columbian Rope Company, assignee: *See—*
Orser, Keith L.

Columbus Auto Parts Company, The, assignee: *See—*
Flumerfelt, William A.

Columbus, John C., Ferguson, Mo. Filter for coffee makers. 2,506,013. May 2.

Columbus McKinnon Chain Corporation, assignee: *See—*
Parker, Humphrey F., and Robins.

Columbus Metal Products, Inc., assignee: *See—*
Custance, Douglas A.

Columbus Show Case Company, The, assignee: *See—*
Teach, Max K.

Colvin, Clifford: *See—*
Westcott, Brayton W., Colvin, and Grant.

Colvin, Joseph H., assignee: *See—*
Goldberg, Ralph.

Colyer, Julian S., assignee: *See—*
Whittingham, Barron S.

Combee, Bart: *See—*
Van der Tuuk, Jacob H., and Combee.

Comber, Thomas J., Knoxville, Tenn. Tent. 2,523,195, Sept. 19.

Combined Metals Reduction Company, assignee: *See—*
Klepetko, Ernest, Kaye, and Hartzell, Jr.
Shields, Clyde.

Combined Optical Industries Limited, assignee: *See—*
Johnson, John.

Combs, Edward E., Long Branch, N. J. Superheterodyne circuit. 2,505,754, May 2.

Combs, P. S., assignee: *See—*
Combs, Presley S.

Combs, Presley S., assignor to P. S. Combs and A. S. Bilger, Los Angeles, Calif. Monorail wheel. 2,532,661, Dec. 5.

Combustion Control Corporation, assignee: *See—*
Hamilton, James C.
Thomson, E. Craig.

Combustion Engineering-Superheater Inc., assignee: *See—*
Caracristi, Virginius Z.
Frangquist, Gustav H.
French, Gulver O.
Gagliardi, Emilio A. J., Mellor and Hamm.
Gordon, Charles W.
Griffin, Joseph F.
Griffin, Joseph F., and Skoog.
Hamm, Alexander L.
Hochmuth, Frank W.
Huet, Andre P. J.
Jackson, George P.
Marshall, Leonard J.
Nehrbas, Howard C.
Powell, Elno M., and Caracristi.
Toensfeldt, Kurt.

Comer, Curtis G., assignor of one-half to F. A. Nells, Dayton, Ohio. Shelf bracket. 2,534,952, Dec. 19.

Comerford, William H.: *See—*
Golding, James L., Bowman and Comerford.

Comerford, William H., Bellwood Village, and J. L. Golding, Chicago, Ill., assignors to J. L., E. L., and A. Golding, doing business as Plasti-Glo Manufacturing Company. Bracket for curtains and draperies. 2,524,426, Oct. 3.

Comfort, Edgar E.: *See—*
Milhench, Harry, Gresty, and Comfort.

Comfort, John, Nahant, Mass. Paintbrush holder. 2,533,354, Dec. 12.

Comfort, John, Nahant, Mass. Paintbrush holder and cover therefor. 2,533,355, Dec. 12.

Comfort Lines, Inc., assignee: *See—*
Gelman, Harry A.

Comley, Eugene A.: *See—*
Golden, Sidney, Comley, and Alexander.

Commerce, United States of America as represented by the Secretary of, assignee: *See—*
Creitz, Elmer C.
Howard, Frank L., and Brooks.
Hunter, Richard S.
Isbell, Horace S., and Frush.
Lapham, Evan G.
Loudenslager, Oscar W.
Teele, Ray P., Jr.

Commercial Controls Corporation, assignee. *See—*
Dohl, Robert A., and Ziegelhoefer.
Rast, Frederick Q.
Ryan, Commodore D., and Drake.
Ryan, Commodore D., Sager, Atherton, and Bergmark.
Ryan, Commodore D., Sager, Bergmark, and Atherton.

Commercial Lithograph Company, Ltd., assignee: *See—*
Smith, Walter H.

Commercial Solvents Corporation, assignee: *See—*
Gilbert, William J.
Hodge, Edward B.
James, Robyn M.
Keko, Wilbur L., and Martin.
Kloetzel, Milton C.
McMillan, Graham W.
McMillan, Graham W., and Rudert.
Morey, Glen H.
Senkus, Murray.
Smith, Everet F.
Stengel, Leonard A.
Tryon, Philip F.

Commin, André, Paris, France, assignor to Societe Francaise Radio Electrique. Capping means for electric vacuum tubes. 2,516,450. July 25.

Commonwealth Engineering Company of Ohio, The, assignee: *See*
Toulmin, Harry A., Jr.

Communication Engineering Pty. Limited, assignee: *See—*
Chodziesner, Georg F.
Haskew, Spencer.
McGibbon, Reginald H., Skillman, and Owen.
Stewart, James C.

Communication Measurements Laboratory, assignee: *See—*
Griffin, Dana A., and Waller.

Compa, Russell E.: *See—*
Heald, Robert F., Sutter, and Compa.

Compagnie Cherifienne des Textiles S. A., Safi (Maroc), assignee: *See—*
Latieule, Yves, and Bricout.

Compagnie de Produits Chimiques et Electrometallurgiques Alais, Froges et Camargue, assignee: *See—*
André, Jean.
Cartoux, Henri G. M.
Frejacques, Jean L. M.
Ollivier, Pierre J. M. C., and Perieres.

Compagnie des Enterprises Industrielles, assignee: *See—*
Barrot, Marcel P.

Compagnie des Forges et Acieries de la Marine et d'Homecourt, assignee: *See—*
Lafont, Jean.
Meley, Francois.

Compagnie des Machines Bull (Societe Anonyme), assignee: *See—*
Cahour, Pierre, and Velte.
Knutsen, Knut A.
Lienhart, Jean.

Compagnie Francaise de Raffinage (Societe Anonyme), assignee: *See—*
Gislon, Andre.
Schaeffer, Jean A.

Compagnie Generale d'Electricite, assignee: *See—*
Albrand, Wladimir.
Domenach, Louis, and Macardier.
Genin, Georges A. V. J., and Albrand.
Parmentier, Maurice J. M.
Pernic, Joseph, and Leroy.
Pouzet, Georges.

Compagnie Generale de T. S. F., assignee: *See—*
Charles, Daniel.

Compagnie Generale de Telegraphie Sans Fil, assignee: *See—*
Achard, Edouard.
Bertein, François, and Bruck.
Bezy, Georges
Blattmann, Henri, and Bruck.
Chireix, Henri.
Dauvillier, Alexandre, and Ponte.
Doehler, Oskar, Kleen, and Huber.
Dussaussoy, Pierre.
Gallet, Georges, and Chi.
Grivet, Pierre.
Gutton, Henri.
Gutton, Henri, and Hugon.
Gutton, Henri, and Ortusi.
Kleen, Werner, Döhler, and Huber.
Ortusi, Antoine J., and Paul.
Ortusi, Antoine J., and Ponte.
Ponte, Maurice, and Ortusi.
Warnecke, Robert, and Lortie.

Compagnie Generale pour l'Equipement Aeronautique, assignee: *See*—
Audemar, Pierre.
Compagnie Industrielle des Telephones, assignee: *See*—
Hurault, Jean L.
Compagnie Internationale des Pieux Armes Franklgnoul, Societe Anonyme, assignee: *See*—
Bertrand, Raymond.
Compagnie Normande d'Etudes pour l'Application de Procedes Mecaniques, assignee: *See*—
Loubiere, Casimir A.
Compagnon, Patrice, Neuilly sur Seine, assignor to Societe a Responsabilite Limitee dite: Societe Auxiliaire de l'Institut Francais du Caoutchouc, Paris, France. Sensitizing latex applicable to the manufacture of articles by molding at normal temperatures. 2,505,229, Apr. 25.
Compania Salitrera de Tarapaca y Antofagasta, assignee: *See*—
Lesesne, Sherman D.
Compare, Aldo, London, assignor to Garrard Engineering & Manufacturing Co. Ltd., Swindon, England. Record changer. 2,511,567, June 13.
Compco Corporation, assignee: *See*—
Patrick, Paul E.
Compiano, Micheal, Des Moines, Iowa. Measurer for marking trousers to be shortened. 2,493,618, Jan. 3.
Compo Shoe Machinery Corporation, assignee: *See*—
Small, Edward F.
Composto, Frank R., Brooklyn, N. Y. Educational toy. 2,505,230, Apr. 25.
Comptoir des Cendres et Metaux Precieux, assignee: *See*—
Klein, Siegfried.
Comptoir des Textiles Artificiels, assignee: *See*—
Colombu, Eugene.
Drisch, Nicolas, and Fays.
Drisch, Nicolas, and Priou.
Compton, Henry P., Abilene, Tex. Coin actuated clockless parking meter. 2,509,480, May 30.
Compton, Jack, Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Composite structure and producing same. 2,499,724, Mar. 7.
Compton, Jack, Rome, Ga., assignor to The B. F. Goodrich Company, New York, N. Y. Cotton fiber treatment. 2,522,095, Sept. 12.
Compton, James A.: *See*—
Lauck, John A., and Compton.
Compton, John D., Wilmington, Del., J. W. Justice, Woodstown, N. J., and C. F. Irwin, New Castle, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Plasticized polymers. 2,510,078, June 6.
Compton, Joseph B., assignor of one-half to G. A. Jones, Jacksonville, Fla. Axially shifting type, fluid pressure operated tire remover and applier. 2,519,114, Aug. 15.
Comstock, Edison S., assignor of fifty per cent to J. H. Comstock, Lincoln, Nebr. Medical spoon. 2,532,696, Dec. 5.
Comstock, Eugene F., Rochester, N. Y. Machine for sharpening the knives of lawn mowers. 2,493,619, Jan. 3.
Comstock, George F., Niagara Falls, and L. J. Frost, Lewiston, N. Y., assignors to G. N. Hibben, Chicago, Ill., as trustee. Light-colored enameled steel article. 2,495,835, Jan. 31.
Comstock, George F., Niagara Falls, and L. J. Frost, Lewiston, N. Y., assignors to G. N. Hibben, Chicago, Ill., as trustee. Enamelware. 2,495,836, Jan. 31.
Comstock, John H., assignee: *See*—
Comstock, Edison S.
Conant, Harold B., Lincoln, Nebr. Alternating current rectifier bridge instrument. 2,508,446, May 23.
Conaty, John A.: *See*—
Kellinger, John, and Conaty.
Conaway, Paul L., Wellsburg, W. Va. Heating system. 2,522,860, Sept. 19.
Conaway, Rollin F., and I. V. Hitt, Waynesboro, Va., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Drying of yarns and the like. 2,495,053, Jan. 17.
Concelman, Carl W.: *See*—
Eriksen, Kenneth, and Concelman.
Concklin, George W., Suffern, assignor to John Chatillon & Sons, New York, N. Y. Folding basket for market carriers. 2,496,778, Feb. 7.
Concklin, George W., Suffern, assignor to John Chatillon & Sons, New York, N. Y. Folding basket for market carriers. 2,501,843, Mar. 28.
Concord Mica Corporation, assignee: *See*—
Mattson, William M.
Concrete Transport Mixer Co., assignee: *See*—
Hunkins, Everett D.
Condit, Paul C.: *See*—
Denison, George H., Jr., and Condit.
Condit, Paul C., Berkeley, assignor to California Research Corporation, San Francisco, Calif. Esters of cyclohexadiene polycarboxylic acids. 2,511,621, June 13.
Condo, Fred E., El Cerrito, and C. W. Schroeder, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Granular polymerization of vinyl chloride. 2,528,469, Oct. 31.
Condon, Howard M., assignor to Grand Duchess Steaks, Inc., Akron, Ohio. Meat product and treating meat. 2,527,493, Oct. 24.
Condon, J. Cheever, assignee: *See*—
Edwards, William C.
Condra, Elmo L., Long Beach, Calif. Suction bailer. 2,508,746, May 23.
Cone Automatic Machine Company Inc., assignee: *See*—
Garrand, Ralph A.
Miller, Carroll E.
Ranney, Herbert H., and Brown.
Weld, Henry H.
Cone, Charles H., assignee: *See*—
Jones, Edwin S.
Cone, Joseph H., assignor to Casco Products Corporation, Bridgeport, Conn. Screw driver. 2,522,996, Sept. 19.
Cone, Lois D., assignee: *See*—
Cone, William M.
Cone, Loris E., Pullman, Wash. Tire chain installer and car mover. 2,532,149, Nov. 28.
Cone, Ralph R., and W. Lewis, assignors to Riverside Mills, Augusta, Ga. Pile fabric. 2,521,831, Sept. 12.
Cone, William M., assignor of one-third to L. D. Cone, Atlanta, Ga. Corn pad. 2,503,656, Apr. 11.
Conery, William J., assignor to The F. E. Myers & Bro. Company, Ashland, Ohio. Centrifugal ejector pump. 2,524,770, Oct. 10.
Cones, Ben, Indianapolis, Ind. Concealed bed lamp. 2,498,942, Feb. 28.
Confections, Inc., assignee: *See*—
Kooman, Jacob J.
Congdon, Waldo F., assignee: *See*—
Cox, Parker G.
Conkey, W. B., Company, assignee: *See*—
Biesen, Arthur W.
Conklin, Alfred A., West Haven, and R. G. Sherman, North Haven, Conn. Expansible tube plug. 2,533,715, Dec. 12.
Conklin, Dwight B.: *See*—
Bacon, Leslie R., and Conklin.
Conlee, George D., Chicago, assignor to Conlon-Moore Corporation, Cicero, Ill. Ironing machine with reciprocating ironing shoe. 2,522,432, Sept. 12.
Conley, Agnes C. and T. J., Chicago, Ill. Adjustable stool. 2,523,817, Sept. 26.
Conley, Bernard F., South Chicago, Ill. Holder for cigarettes and the like. 2,518,976, Aug. 15.
Conley, Frank: *See*—
Brinker, John H., and Conley.
Conley Frog and Switch Co., assignee: *See*—
Chapman, Asa B.
Conley, Howard W., Detroit Lakes, Minn. Cigarette container and dispenser. 2,519,438, Aug. 22.
Conley, Joseph T., and O. D. True, Minneapolis, Minn. Dolly for house trailers. 2,534,575, Dec. 19.
Conley, Thomas A., Harrisville, R. I., assignor to American Optical Company, Southbridge, Mass. Respirator. 2,505,173, Apr. 25.
Conley, Thomas J.: *See*—
Conley, Agnes C. and T. J.
Conlon Manufacturing Company, The, assignee: *See*—
Bassett, Charles A. L., and Evertz.
Conlon-Moore Corporation, assignee: *See*—
Conlee, George D.
Freis, Frederick M.
Conlon, Thomas A., Silver Spring, Md., T. O. Davidson, and A. R. Taylor, Milwaukee, H. E. Richardson, H. A. Riniker and H. C. Beitzel, South Milwaukee, Wis. Mobile heavy ordnance. 2,520,118, Aug. 29.
Conlon, Thomas L., assignee: *See*—
Hamilton, Howard.
Conmar Products Corporation, assignee: *See*—
Disinger, Claude, and Ulrich.
Low, Richard.
Mikulas, William.
Natzler, Paul.
Natzler, Paul, and Scheuermann.
Scheuermann, Otto G., and Natzler.
Conn, C. G., Ltd., assignee: *See*—
Jeffries, Leroy J.
Kent, Earle L.
Long, Thomas H.
Wiesner, Harold J.
Conn, John B., Westfield, assignor to Merck & Co., Inc., Rahway, N. J. Electrolytic oxidation of quinoline to quinolinic acid. 2,512,483, June 20.
Conn, Leroy J., Clarendon, Pa. Rigid shaft coupler. 2,504,501, Apr. 18.
Conn, William R.: *See*—
Neher, Harry T., Conn, and Kroeker.
Connaghan, Charles R., Niantic, Ill. Detachable crutch bracket. 2,495,889, Jan. 31.
Connar Products Corporation, assignee: *See*—
Ulrich, Frederick, and Disinger.
Connell, Edward, Cleveland, Ohio. Amusement game. 2,514,029, July 4.
Connell, William S., Norwood Park Township, Cook County, assignor to The Bastian-Blessing Company, Chicago, Ill. Article dispensing device. 2,500,664, Mar. 14.
Connell, William S., Norwood Park Township, Cook County, assignor to The Basitan-Blessing Company, Chicago, Ill. Refrigeration cabinet. 2,531,323, Nov. 21.
Conner, Guy O., Cleveland Heights, Ohio. Forming machine. 2,503,029, Apr. 4.
Conner, Guy O., East Cleveland, Ohio. Hydraulic antifriction die set. 2,523,358, Sept. 26.
Conner, Harold A., Aurora, Ill. Railroad car brake. 2,519,888, Aug. 22.

Conner, Kenneth B., Riverton, assignor to William R. Thropp & Sons Co., Trenton, N. J. Safety brake loading device for rubber and plastic mills and the like. 2,513,453, July 4.
Conner, William S., Atlanta, Ga. Machine for making corrugated paperboard. 2,499,267, Feb. 28.
Connolly, Gerald C., Elizabeth, N. J., assignor to Standard Oil Development Company. Preparation of silica-vanadia catalyst. 2,504,001, Apr. 11.
Connolly, Peter F., Chicago, Ill., and C. H. Holmstrom, San Diego, Calif. Concrete compacting device. 2,520,833, Aug. 29.
Connor, Arthur A. Hove, England. Reciprocating pump and compressor. 2,515,033, July 11.
Connor, Edward H.: *See*—
Mirfield, George E., and Connor.
Connor, Roger: *See*—
Welk, Nelson S., and Connor.
Connor, W. B., Engineering Corporation, assignee: *See*—
Dauphinee, George S.
Connors, John S., Cleveland, Ohio. Hitch coupling. 2,529,868, Nov. 14.
Conover, Courtney, Silver Spring, Md., assignor to Monsanto Chemical Company, St. Louis, Mo. Purification of phthalic anhydride. 2,529,448, Nov. 7.
Conquest, Victor, assignee: *See*—
Kraybill, Henry R., and Beadle.
Conrad, Albert G.: *See*—
Holden, Artemas F., and Conrad.
Conrad, Edward L.: *See*—
Mayer, Joseph U., Kahoe and Conrad.
Conrad, Edward V., East Orange, N. J. Portable carrying and sleeping container. 2,535,531, Dec. 26.
Conrad, Edward V., and B. G. Worth, East Orange, N. J. Pot strainer. 2,520,382, Aug. 29.
Conrad, Harry E., San Bernardino, Calif. Auto fender hammer. 2,517,285, Aug. 1.
Conrad, Horton, Chicago, Ill., assignor, by mesne assignments, to Lake Shore Engineering Company, Iron Mountain, Mich. Conveyer. 2,515,988, July 18.
Conrad, John Francis, Ebensburg, Pa. Trolley section switch. 2,495,569, Jan. 24.
Conrad, Karl F., Eggertsville, assignor to Allied Chemical & Dye Corporation, New York, N. Y. Monazo dyestuff. 2,499,133, Feb. 28.
Conrad Razor Blade Co., Inc., assignee: *See*—
Bodkin, Irving S.
Conrad, Samuel L., Columbus, Ohio. Safety signaling device for double track railway systems. 2,533,768, Dec. 12.
Conradson, Prentice H., Chicago, Ill., assignor of one-half to T. P. Slattery. Timing mechanism. 2,530,599, Nov. 21.
Conradt, Richard J., Rochester, N. Y. Chair attachment device. 2,501,993, Mar. 28.
Conroy, Hugh V., New York, N. Y. Display and advertising apparatus. 2,535,484, Dec. 26.
Consalvo, Gabriel, assignor to R. Wampach, Brussels, Belgium. Apparatus for extruding plastic materials. 2,508,495, May 23.
Conser, Hugh F., assignor to Shedd-Bartush Foods, Inc., Detroit, Mich. Carton feeding mechanism. 2,500,804, Mar. 14.
Consolidated Car-Heating Company, Inc., assignee: *See*—
Griffin, Percy M.
Hamilton, Wallace.
Consolidated Development & Improvements Corp., assignee: *See*—
Yardeny, Michel, Bernas, and Goldberg.
Consolidated Edison Company of New York, Inc., assignee: *See*—
Arnold, Charles B., and Lawrence.
Walker, Woods S.
Consolidated Engineering Corporation, assignee: *See*—
Hunter, James B., Taylor, and Young.
Lyon, Howard.
Richardson, Arthur D.
Consolidated Gas Electric Light and Power Company of Baltimore, assignee: *See*—
Betz, Paul L.
Consolidated Iron-Steel Mfg. Co., The, assignee: *See*—
Berger, Albert H.
Maine, James F.
Consolidated Machine Tool Corporation, assignee: *See*—
Roberts, Roland R.
Consolidated Packaging Machinery Corporation, assignee: *See*—
Gantzer, Howard E.
Consolidated Sewing Machine & Supply Co., Inc., assignee: *See*—
Ingwer, Max.
Perignat, Joseph M.
Consolidated Vultee Aircraft Corporation, assignee: *See*—
Bordelon, Lawrence J.
Clarke, Richard T.
Cockrell, William S.
Draney, John J.
Eldred, Wendell E., and Boody.
Fink, Frank W., and Morgan.
Flood, Edmund L.
Giffen, Harvey D., and Thomson, Jr.
Glover, Thurmon P.
Hoeltzel, Orval R., Saville, and Larson.
Honkanen, Eric G.
Consolidated Vultee Aircraft Corporation, assignee: *See*—Continued.
Hudson, John M.
Powers, Bradford W.
Rother, Carl J., and Larson.
Schmidt, Howard F., and Brady.
Simpson, Norman H., and Cutter.
Van Norman, Stefan D.
Williams, John K.
Consolidated Western Steel Corporation, assignee: *See*—
Noll, Paul E., Crawford, Aller, and Rethey.
Consor, Herbert A., Shaker Heights, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,502,641, Apr. 4.
Constant, Antime, assignor to Societe Anonyme des Manufactures des Glaces et Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France. Process of and apparatus for the manufacture of fertilizers. 2,518,286, Aug. 8.
Constant, Hayne, Farnborough Park, assignor to Power Jets (Research and Development) Ltd., London, England. Double compound independent rotor turbojet power unit. 2,504,181, Apr. 18.
Constantine, Arthur R.: *See*—
Mintner, George E., and Constantine.
Construction Improvements Limited, assignee: *See*—
Bateman, Norman S., and Missiaen.
Construction Machinery Company, assignee: *See*—
Smith, Earl G., and McDermott.
Consumer-Pak Machine Co., assignee: *See*—
Miller, Cecil.
Container Corporation of America, assignee: *See*—
Acker, Ralph E.
Acker, Ralph E., and Nemoede.
Davies, Arthur J.
Foster, Thomas W.
Hunsworth, Melvin T.
Rau, Eric J.
Conterman, Fred A., assignor to Jamestown Metal Equipment Company, Inc., Jamestown, N. Y. Washing machine. 2,512,847, June 27.
Conti, Angelo J.: *See*—
Heller, Max A., and Conti.
Conti, John A., assignor to Hedstrom-Union Company, Gardner, Mass. Baby walker. 2,497,393, Feb. 14.
Contiguglia, Domenico, Medford, Mass. Combination cooker and grill. 2,512,223, June 20.
Continental Air Filters, Inc., assignee: *See*—
Roop, Elston A.
Continental Aviation & Engineering Corporation, assignee: *See*—
Parducci, William J.
Continental Can Company, Inc., assignee: *See*—
Ardron, Gerald L.
Bates, Henry A.
Beck, Ronald D.
Cameron, Allan M., and Johnson.
Clifcorn, La Verne E., Peterson, and Boyd.
Coyle, John.
Coyle, John, and Punte.
Fink, Henry A.
Fukal, Alfred F.
Furminger, William.
Gray, Harry C.
Henchert, John.
Hermani, Louis
Hook, George C.
Jackson, Joseph L., and Tipton.
Johnson, Otto C.
Kronquest, Alfred L.
Kurek, Francis L.
McPherson, Robert M.
Minaker, Herbert L.
Nurnberg, John.
Pesch, Herman.
Pfeffer, Edward C., Jr.
Puschel, William H., Smith, and Garrett.
Rasmussen, Fred.
Rogers, Louis F., and Ebert.
Schneider, Julius L., and Evans.
Sedwick, Matthew M.
Seigh, Joseph W.
Simpson, Justin, and Mero.
Tomkins, Walter M.
Continental Car-Na-Var Corporation, assignee: *See*—
Leonard, Rollen G.
Continental-Diamond Fibre Company, assignee: *See*—
Benge, Frank H.
Parkinson, Alfred E.
Shepard, Randall H.
Continental Equipment Corporation, assignee: *See*—
Fruhling, Frederick H.
Continental, Incorporated, assignee: *See*—
Fulton, Robert E., Jr.
Fulton, Robert E., Jr., and Alvarez.
Continental Machines, Inc., assignee: *See*—
Harrington, John A.
Peterson, Hans E.
Continental Motors Corporation, assignee: *See*—
Altman, Peter, and Baker.
Cloud, Kenneth M.
Ginn, Earl.
Ginn, Earl, and Cloud.
Jackson, Thomas.

Continental Oil Company, assignee: *See—*
Bell, Alexander H.
Hersh, Joseph M.
Continental Optical Company, Inc., assignee: *See—*
Cleaver, Katherine.
Lauber, John A.
Soden, Frederick H.
Continental Paper Products Company, assignee: *See—*
Peiker, Walter L.
Continental Research Corp., assignee: *See—*
Gayer, Frederick H.
Continental Silver Co., Inc., assignee: *See—*
Kolisch, Emil.
Continental Thermotrol, Incorporated, assignee: *See—*
Hoskinson, Gordon H.
Continental X-Ray Corporation, assignee: *See—*
Worden, Jesse L., and Saltzman.
Continenza, Joseph, Stuart, Fla. Window display protector. 2,534,576, Dec. 19.
Control Devices, Inc., assignee: *See—*
Orvedahl, Walter.
Control Instrument Company, Inc., assignee: *See—*
Behn, Eric R.
Braun, Karl J.
Feller, Anton M.
Fialkow, Aaron D.
Herr, Donald L.
Libman, Earl E.
Lohse, Edward.
Wockenfuss, William.
Control Products, Inc., assignee: *See—*
Parkhurst, Malcolm K.
Controulis, John: *See—*
Crooks, Harry M., Jr., Rebstock, Controulis, and Bartz.
Convenient Carrier Corporation, assignee: *See—*
Bassichis, William M.
Conveyor Company, Inc., The, assignee: *See—*
Saxe, Walter E.
Conveyor Specialty Company, Inc., assignee: *See—*
Hubbell, Roger K.
Conveyor Systems, Inc., assignee: *See—*
Hoeffleur, Arthur V.
Conviser, Albert A., Jackson Heights, and D. B. Grossman, New Rochelle, assignors to Alkon Photo Products, Inc., New York, N. Y. Holder for cut photographic film. 2,522,347, Sept. 12.
Conway, Edward S., New York, and V. Amendolara, Brooklyn, assignors of one-half to said Conway, and one-half to S. B. Good, Brooklyn, N. Y. Finger ring lighter. 2,530,291, Nov. 14.
Conway, George E., Cresskill, N. J. Rotary reduced speed power transmission. 2,500,485, Mar. 14.
Conway, Hobart M., Jr., Atlanta, Ga. Thrust meter. 2,516,855, Aug. 1.
Conway, James L., Los Angeles, Calif. Retractable safety pin. 2,518,977, Aug. 15.
Conway, John W., Bridgeport, Conn. Clothesline pulley assembly. 2,532,998, Dec. 5.
Conwiser, Sylvia T., New York, N. Y. Carrying kit removably insertable into a purse or the like. 2,529,724, Nov. 14.
Conyne, Richard F.: *See—*
Beavers, Ellington M., and Conyne.
Rothrock, David A., Jr., and Conyne.
Conzelman, John E., Jr., Sierra Madre, and H. D. Eggleston, La Mesa, assignors to Solar Aircraft Company, San Diego, Calif. Inside diameter comparator. 2,508,496, May 23.
Cook, Alton A., Glen Ridge, and I. Sapers, assignors to Arkansas Company, Inc., Newark, N. J. Tippy wool dyeing assistants. 2,524,041, Oct. 3.
Cook, Alton A., Glen Ridge, and I. Sapers, assignors to Arkansas Company, Inc., Newark, N. J. Baths for stripping vat-dyed textile materials and agents useful therein. 2,525,770, Oct. 17.
Cook, Alton A., Glen Ridge, and I. Wolf, West New York, assignors to Arkansas Company, Inc., Newark, N. J. Fatty acid-aliphatic amine polyglycol combinations useful as textile assistants and producing the same. 2,525,771, Oct. 17.
Cook, Arthur, Clapham, London, and H. D. Bickley, Welwyn Garden City, England, assignors to International Standard Electric Corporation, New York, N. Y. Frequency shift radio telegraph system. 2,509,212, May 30.
Cook, Berton E., assignor to M. M. Blumenthal, Chicago, Ill. Combination multiple switch unit and ornament. 2,509,809, May 30.
Cook, Burton A., North Hollywood, Calif. Garment support. 2,528,036, Oct. 31.
Cook, Charles A.: *See—*
Keese, Beverly W., and Cook.
Cook, Charles A., Oshkosh, assignor to The Timken-Detroit Axle Company, Detroit, Mich. Vehicle drive mechanism. 2,513,286, July 4.
Cook, Charles B., Jr., West Hartford, Conn. Carbon paper. 2,496,856, Feb. 7.
Cook, Charles J., East Greenville, assignor to R. I. Polite, doing business as Dexter-Wayne Company, Lansdale, Pa. Bracket for basketball goals. 2,512,417, June 20.
Cook, Chester K., Vallejo, Calif. Shock absorber for wheel pullers. 2,504,393, Apr. 18.
Cook, Clarence A., Glendale, assignor of fifty-one per cent to W. M. Lane, Los Angeles, Calif. Yarn ball support. 2,502,545, Apr. 11.
Cook, Curtiss L., and A. E. Young, assignors to Syracuse Chilled Plow Co., Inc., Syracuse, N. Y. Tractor mounted spring tooth harrow. 2,527,355, Oct. 24.
Cook, Curtiss L., and A. E. Young, assignors to Syracuse Chilled Plow Co., Inc., Syracuse, N. Y. Subsoiler. 2,533,435, Dec. 12.
Cook, Earle S., Forest Hills, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Variable load brake mechanism. 2,501,713, Mar. 28.
Cook Electric Company, assignee: *See—*
Baker, John S.
Downing, James R.
Flubacker, Charles H.
Hasselhorn, Walter C.
Cook, Elmer W., New York, and S. Kushner, Nanuet, assignors to American Cyanamid Company, New York, N. Y. Preparation of a penicillin-like compound. 2,494,745, Jan. 17.
Cook, Emory G.: *See—*
Capps, Isabel L., and Cook.
Cook, Emory G., Floral Park, N. Y. Amplifier feed-back system for magnetic motors. 2,522,567, Sept. 19.
Cook, Ernest E.: *See—*
Sadler, Harry J., and Cook.
Cook, Everett J., Toledo, assignor, by mesne assignments, to Glass Fibers, Inc., Waterville, Ohio. Producing glass fibers. 2,495,956, Jan. 31.
Cook, Everett J., Toledo, assignor, by mesne assignments, to Glass Fibers, Inc., Waterville, Ohio. Apparatus for producing glass fibers. 2,514,627, July 11.
Cook, Fay V., assignor to Stanolind Pipe Line Company, Tulsa, Okla. Diesel fuel. 2,496,444, Feb. 7.
Cook, Francis L., assignee: *See—*
Delaney, John J.
Cook, George B., Philadelphia, Pa. Traffic-light modulator. 2,514,373, July 11.
Cook, George B., Philadelphia, Pa. Magnetic stirring apparatus. 2,518,758, Aug. 15.
Cook, George W., Washington, D. C. Wave analyzer. 2,535,043, Dec. 26.
Cook, Gerhard A., Snyder, N. Y., assignor to The Linde Air Products Company. Production of propylene oxide. 2,530,509, Nov. 21.
Cook, Gilbert V., Denver, Colo. Pole gaining machine. 2,520,457, Aug. 29.
Cook, Gordon H.: *See—*
Wikkenhauser, Gustav, Adams, Cook, and Duggan.
Cook, Gordon H., assignor to Taylor, Taylor & Hobson Limited, Leicester, England. Highly corrected three component optical objectives of large aperture. 2,502,508, Apr. 4.
Cook, Gordon H., assignor to Taylor, Taylor & Hobson Limited, Leicester, England. Wide aperture corrected optical objectives comprising two members formed of four air spaced components. 2,502,509, Apr. 4.
Cook, Gordon H., assignor to Taylor, Taylor & Hobson Limited, Leicester, England. Optical objective. 2,528,212, Oct. 31.
Cook, Hal L., Cleveland Heights, assignor to The Warner & Swasey Company, Cleveland, Ohio. Optical measuring device. 2,518,524, Aug. 15.
Cook, Harmon J.: *See—*
Cleary, William J., and Cook.
Cook, Harold M., assignor to Tymatics, Inc., Dallas, Tex. Machine and method for producing bows and pompons. 2,528,820, Nov. 7.
Cook, Herbert D., Worthington, Ind. Automatic trailer braking system. 2,508,493, May 23.
Cook, James M., assignor to Kalamazoo Stove and Furnace Company, Kalamazoo, Mich. Cooking stove broiler. 2,514,936, July 11.
Cook, James M., and S. C. Salter, assignors to Kalamazoo Stove and Furnace Company, Kalamazoo, Mich. Stove top assembly. 2,507,660, May 16.
Cook, James M., and S. C. Salter, assignors to Kalamazoo Stove and Furnace Company, Kalamazoo, Mich. Stove burner chamber construction. 2,507,661, May 16.
Cook, John B., assignor to Reliable Electric Company, Chicago, Ill. Making C-shaped clamps. 2,514,474, July 11.
Cook, John F., Rockford, Ill. Heat regulator apparatus. 2,527,917, Oct. 31.
Cook, John G., Detroit, Mich., assignor to American Brake Shoe Company, New York, N. Y. Bearing. 2,503,028, Apr. 4.
Cook, Lawrence H.: *See—*
Carder, Earle H., and Cook.
Cook, Lee R.: *See—*
Emerson, Charles G., and Cook.
Cook, Leon D., Jr., Chicago, Ill., assignor to International Detrola Corporation, Detroit, Mich. Polymerizing styrene in the presence of a polyvinyl alcohol-alkyl aldehyde reaction product. 2,501,562, Mar. 21.
Cook, Lyman B., Haddon Township, Camden County, assignor to Acme Staple Company, Camden, N. J. Staple having a closed loop and making the same. 2,530,811, Nov. 21.
Cook, Ralph H., Ferndale, and H. W. Grikscheit, Detroit, Mich. Gauge. 2,508,494, May 23.

Cook, Richard H.: *See*—
Walker, James R., and Cook.

Cook, Stanley V., Dayton, and A. E. Bishop, Oakwood, assignors to General Motors Corporation, Dayton, Ohio. Working fluid for compression refrigeration systems. 2,523,863, Sept. 26.

Cook, Wallace L., Chicago, Ill., assignor to The Whitney Blake Company, Hamden, Conn. Molding objects of sponge rubber and the like. 2,530,289, Nov. 14.

Cook, Walter A.: *See*—
Rueggeberg, Walter H. C., and Cook.

Cook, Willard G., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Motor control system. 2,515,987, July 18.

Cook, Willard G., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Adjustable counting relay system. 2,498,249, Feb. 21.

Cooke, Albert W. M.: *See*—
Finlayson, Donald, and Cooke.

Cooke, Charles G., Little Ferry, assignor to Bendix Aviation Corporation, Teterboro, N. J. Rotary pump. 2,498,530, Feb. 21.

Cooke, Joseph E., Philadelphia, Pa. Opener for rimless cans. 2,499,904, Mar. 7.

Cooke, Lawrence E., New York, N. Y. Amusement device. 2,509,860, May 30.

Cooke, Raynold J., East Tawas, Mich. Surveyor's monument setter. 2,535,722, Dec. 26.

Cooke, Ted E., Seattle, Wash. Supporting stand for tables, basins, and the like. 2,522,096, Sept. 12.

Cooke, Theodore F.: *See*—
Loukomsky, Anne M., Kienle, and Cooke.

Cooksey, Otha, Louisville, Ky., assignor to The Collmar Corporation, Chicago, Ill. Web severing and clamping means. 2,492,968, Jan. 3.

Cookson, Leonard T., and W. G. Klettke, assignors to The Upjohn Company, Kalamazoo, Mich. Vane type discharge control and counting unit. 2,518,868, Aug. 15.

Cookson, William, Fareham, England. Joint between resilient sheet material parts. 2,522,097, Sept. 12.

Coolerator Company, The, assignee: *See*—
Frykdahl, Carl Edward Harry.

Cooley, Austin G.: *See*—
Grafstein, Paul L., and Cooley.

Cooley, Austin G., assignor to Times Facsimile Corporation, New York, N. Y. Remote self-synchronous control system. 2,499,132, Feb. 28.

Cooley, Austin G., assignor to Times Facsimile Corporation, New York, N. Y. Telefacsimile communication. 2,513,402, July 4.

Cooley, Austin G., New York, N. Y., assignor to Times Facsimile Corporation. Phase adjusting apparatus. 2,519,178, Aug. 15.

Cooley, Austin G., New York, N. Y., assignor to Times Facsimile Corporation. Electrooptical scanning method and apparatus. 2,524,651, Oct. 3.

Cooley, Edward H., West Newton, Mass. Ship's hull construction. 2,513,004, June 27.

Cooley, Lenore B., New York, N. Y. Brassière. 2,509,263, May 30.

Cooley, Lenore B., New York, N. Y. Woman's slip. 2,528,117, Oct. 31.

Cooley, Lenore B., New York, N. Y. Woman's hose supporter. 2,529,074, Nov. 7.

Cooley, Robert F., deceased, Humboldt, by S. W. Cooley, executrix, Prescott, Ariz., assignee by decree of distribution to S. W. Cooley. Spring aligned universal joint socket wrench. 2,499,569, Mar. 7.

Cooley, Sara W., executrix, assignee: *See*—
Cooley, Robert F.

Cooley, Vernon E., U. S. Army, Arlington, Va. Rotor assembly. 2,529,487, Nov. 14.

Coolidge, Arthur W., Jr., Scotia, N. Y., and D. S. Peck, Allentown, Pa., assignors to General Electric Company. Electrode assembly for electric discharge devices. 2,508,992, May 23.

Coombs, Frederick C., Miami, Fla. Lawn sprinkler. 2,535,723, Dec. 26.

Coombs, Robert S., San Francisco, Calif. Motorcar signal system. 2,513,712, July 4.

Coon, Charles O., Wichita, Kans. Fixture support for toilet paper. 2,494,376, Jan. 10.

Coon, Edwin L., assignor to S. Howes Co., Inc., Silver Creek, N. Y. Brush for use with vibrating screens. 2,510,741, June 6.

Coon, Howard A., Highland Park, Mich. Ice auger. 2,508,230, May 16.

Cooney, John R., North Guilford, Conn. Fish lure. 2,517,844, Aug. 8.

Coonradt, Harry L., Woodbury, and H. D. Hartough, Pitman, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Production of octachlorothiolane. 2,504,068, Apr. 11.

Coonradt, Harry L., Woodbury, and H. D. Hartough, Pitman, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Chlorine addition product of thiophene. 2,525,773, Oct. 17.

Coonradt, Harry L., Woodbury, and H. D. Hartough, Pitman, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Heptachlorothiolane and producing the same. 2,525,774, Oct. 17.

Coons, Burton C., San Jose, Calif., assignor to Food Machinery and Chemical Corporation. Container feed and control mechanism. 2,497,586, Feb. 14.

Coons, Burton C., San Jose, Calif., assignor to Food Machinery and Chemical Corporation. Pear positioner for pear feeding mechanism. 2,502,779, Apr. 4.

Coons, Curtis C., assignor to The Hoover Company, North Canton, Ohio. Regulating pressures in an absorption refrigerating system in accordance with ambient temperatures. 2,494,989, Jan. 17.

Coons, Curtis C., assignor to The Hoover Company, North Canton, Ohio. Intermittent absorption refrigeration. 2,513,148, June 27.

Coons, Curtis C., assignor to The Hoover Company, North Canton, Ohio. Absorption refrigeration. 2,520,530, Aug. 29.

Coons, Edward A., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Catalytic conversion of hydrocarbons. 2,500,737, Mar. 14.

Cooper, Alfred B., assignee: *See*—
Willis, Elijah J.

Cooper, Allyn R., Marshalltown, Iowa. Reel blade forming machine. 2,512,224, June 20.

Cooper, Alva H., Atlanta, Ga. Folding clothes drier. 2,524,190, Oct. 3.

Cooper, Arthur B., Massillon, Ohio. Torsion spring wheel suspension. 2,497,072, Feb. 14.

Cooper-Bessemer Corporation, assignee: *See*—
Boyer, Ralph L.
Gehres, Hewitt A.

Cooper-Bessemer Corporation, The, assignee: *See*—
Gehres, Hewitt A.

Cooper, Cedric L., and L. J. Ellison, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Manufacture of dry rectifiers. 2,531,402, Nov. 28.

Cooper, David L., Battle Creek, Mich. Portable sectional fence. 2,517,386, Aug. 1.

Cooper, David M., Huddersfield, England. Means for use in the designing of woven fabrics. 2,495,054, Jan. 17.

Cooper, David P., assignor to The Cold Metal Products Company, Youngstown, Ohio. Furnace. 2,502,827, Apr. 4.

Cooper, David P., and E. D. Sevenich, assignors to The Cold Metal Products Company, Youngstown, Ohio. Furnace and heating method. 2,502,828, Apr. 4.

Cooper, Dexter P., Jr., assignor to Polaroid Corporation, Cambridge, Mass. Melamine-formaldehyde-surfaced cellulose derivative lamination for polarizers. 2,527,400, Oct. 24.

Cooper, Douglas E., assignor to Bristol Laboratories, Inc., Syracuse, N. Y. Amine salts of penicillin. 2,504,182, Apr. 18.

Cooper, Eleanor, assignee: *See*—
Meany, Vincent J.

Cooper, Franklin D.: *See*—
Tiddy, William, and Cooper.

Cooper, Harry A., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Trunk lock. 2,495,287, Jan. 24.

Cooper, Henry, Hackensack, assignor, by mesne assignments, to Steel and Alloy Tank Company, Newark, N. J. Selvage motion. 2,533,094, Dec. 5.

Cooper, Henry J., High Lane, near Stockport, England. Inserting a weft into a warp in a circular loom. 2,506,442, May 2.

Cooper, Herbert G.: *See*—
Walker, Roland, Wilkin, Cooper, and Brown.

Cooper-Hewitt Electric Company, assignee: *See*—
Macksoud, Michel E.

Cooper, Howell C., Sewickley, Pa. Regasifier. 2,499,462, Mar. 7.

Cooper, Howell C., Sewickley, Pa. Natural gas liquefaction. 2,500,118, Mar. 7.

Cooper, Howell C., Sewickley, Pa., assignor to Pittsburgh-Des Moines Company. Storage reservoir for liquefied gases. 2,512,308, June 20.

Cooper, Hugh S., Cleveland Heights, assignor to Acme Aluminum Alloys, Inc., Dayton, Ohio. Deoxidizer alloy for molten metal baths consisting predominately of copper. 2,503,377, Apr. 11.

Cooper, Hugh S., Shaker Heights, W. E. Martin, Rocky River, S. L. Reiches, Cleveland Heights, and J. B. Gray, Euclid, assignors to Acme Aluminum Alloys, Inc., Dayton, Ohio. Magnetic recording and reproduction. 2,522,665, Sept. 19.

Cooper, James J., assignor to H. R. Koch, St. Louis, Mo. Snap switch and contacts therefor. 2,517,845, Aug. 8.

Cooper, Jeremiah, Selkirk, Manitoba, Canada. Core barrel coupling. 2,510,865, June 6.

Cooper, Joseph H., San Francisco, Calif., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Azo pigment and alkyd resin coating compositions containing same. 2,508,447, May 23.

Cooper, Leone O. M., assignee: *See*—
Macumber Otto.

Cooper, Lester, Milford, Conn., and H. Pfleumer, New Brunswick, N. J., assignors to Rubatex Products, Inc., New York, N. Y. Producing expanded rubber material. 2,500,603, Mar. 14.

Cooper, Lewis F., Shawnee, Okla. Jack support. 2,517,286, Aug. 1.

Cooper, Lonzo S., Piqua, assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,512,090, June 20.

Cooper, Lyle M., Rahway, N. J., assignor to Standard Oil Development Company. Fluid container. 2,500,119, Mar. 7.
Cooper, Lyle M., Rahway, N. J., assignor to Standard Oil Development Company. Spray particle collector. 2,509,861, May 30.
Cooper, Lyle M., Rahway, N. J., assignor to Standard Oil Development Company. Device for puncturing containers and dispensing fluid held under pressure in said containers. 2,513,234, June 27.
Cooper, Morris L., Baltimore, Md. Integral grinding and mixing mortar with integral pestle. 2,525,867, Oct. 17.
Cooper, Nathan, Jersey City, N. J. Water tube boiler. 2,501,161, Mar. 21.
Cooper Oven Thermometer Company, The, assignee: *See*— Nodine, Frederick A.
Cooper, Peter, Corporations, assignee: *See*— Tutt, Richard, Jr., and Hubbard.
Cooper, Robert A., Bloomington, assignor to P. M. Laymon, Spencer, Ind. Insecticide diffuser. 2,529,245, Nov. 7.
Cooper, Roland S., Oak Park, Ill., and P. H. Karlsson, Wellsville, assignors to The Air Preheater Corporation, New York, N. Y. Corrosion control in air heaters by recirculation and by-passing. 2,499,358, Mar. 7.
Cooper, Ross J., Toledo, Ohio. Pipe jack. 2,514,374, July 11.
Cooper-Smith, Morris: *See*— Peiser, Josephine and Cooper-Smith.
Cooper, Victor J., Writtle, England, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Frequency-modulated transmitter. 2,502,557, Apr. 4.
Cooper, William B., and E. J. Seabold, assignors to Crown Cork & Seal Company, Inc., Baltimore, Md. Apparatus for annealing. 2,521,044, Sept. 5.
Cooper, William C., assignor to Pittsburgh Coke & Chemical Company, Pittsburgh, Pa. Vanadium pentoxide catalysts. 2,510,803, June 6.
Coopey, Walter, Charleston, W. Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing hydrocyanic acid. 2,534,000, Dec. 12.
Coote, Jack H., assignor to British Tricolour Processes Limited, London, England. Color photography. 2,509,232, May 30.
Coote, Jack H., St. John's Wood, and A. P. Jenkins, Bloomsbury, assignors to British Tricolour Processes Limited, London, England. Apparatus for the continuous liquid treatment of flexible materials in strip-like form having means for conserving liquid. 2,517,632, Aug. 8.
Coover, Harry W., T. E. Stanin and J. B. Dickey, assignors to Eastman Kodak Company, Rochester, N. Y. Solutions of acrylonitrile polymers. 2,503,244, Apr. 11.
Coover, Harry W., T. E. Stanin and J. B. Dickey, assignors to Eastman Kodak Company, Rochester, N. Y. Solutions of acrylonitrile polymers. 2,503,245, Apr. 11.
Coover, Harry W., Rochester, N. Y., and N. J. Bowman, Gary, Ind., assignors to Merck & Co., Inc., Rahway, N. J. Substituted pyridones. 2,523,612, Sept. 26.
Coover, Harry W., J. E. Guillet, and J. D. Dickey, assignors to Eastman Kodak Company, Rochester, N. Y. Preparing alkyl isodehydroacetates. 2,529,917, Nov. 14.
Coover, Harry W., Jr.: *See*— Dickey, Joseph B., and Coover.
Coover, Harry W., Jr., and J. B. Dickey, assignors to Eastman Kodak Company, Rochester, N. Y. N-fluoroalkylacrylamides and polymers thereof. 2,521,902, Sept. 12.
Coover, Harry W., Jr., T. E. Stanin, and J. B. Dickey, assignors to Eastman Kodak Company, Rochester, N. Y. Preparing alkenyl trifluoroacetates. 2,525,526, Oct. 10.
Cope, Arthur C., Belmont, Mass., assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa. Alkylamino alkyl benzoates. 2,497,394, Feb. 14.
Cope, Frank T., assignor to The Electric Furnace Company, Salem, Ohio. Carburizing low carbon strip steel. 2,513,713, July 4.
Cope, Frank T., assignor to The Electric Furnace Company, Salem, Ohio. Stripper plate construction for conveyer furnaces. 2,525,286, Oct. 10.
Cope, John Q., El Cerrito, and J. W. Scott, Jr., Berkeley, assignors to California Research Corporation, San Francisco, Calif. Preparation of alkylated aromatic hydrocarbons and sulfonation thereof. 2,531,324, Nov. 21.
Cope, Robert H.: *See*— Ingle, Edward, Doten, and Cope.
Copeland, Emory F.: *See*— Fausek, Irwing F., Reedy, and Copeland.
Copeland, Ernest, Elizabeth, N. J., assignor to Standard Oil Development Company. Expansion joint. 2,506,293, May 2.
Copeland, Jacob C., Chicago, Ill. Streak retinoscope. 2,501,438, Mar. 21.
Copeland, Norman A., Louisville, Ky., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Tubular falling-film exchanger. 2,498,752, Feb. 28.
Copeland, Paul L.: *See*— DeLany, Beatrice P., and Copeland.
Copeland Refrigeration Corporation, assignee: *See*— Buschmann, Oskar H.
Copeland, Robert A.: *See*— Forshey, Elmore A., and Copeland.
Copeland, Walter: *See*— Olsen, Thomas, and Copeland.
Copelin, Harry B., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of pentanediol. 2,497,812, Feb. 14.
Copelin, Harry B., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Making esters of monocarboxylic acids. 2,499,725. Mar. 7.
Copeman Laboratories Company, assignee: *See*— Copeman, Lloyd G.
Copeman, Lloyd G., Metamora, assignor to Copeman Laboratories Company, Flint, Mich. Ice tray. 2,514,476, July 11.
Copeman, Lloyd G., Metamora, assignor to Copeman Laboratories Company, Flint, Mich. Hand tool for agricultural implements. 2,528,947, Nov. 7.
Copenhaver, Elmer L., Charleston, W. Va., assignor to Purity Research & Development Corporation. Endless band blade cake slicing machine. 2,498,615, Feb. 21.
Copenhaver, John W., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Preparation of mixed mercaptal-acetals. 2,500,486, Mar. 14.
Copenhaver, John W., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Acetals of oxy and polyoxy α, ω-aldehydes and preparing the same. 2,502,433, Apr. 4.
Copenhaver, John W., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Production of pyrazoles. 2,515,160, July 11.
Copenhaver, John W., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Producing acetals of aldehydes containing at least four carbon atoms. 2,516,679, July 25.
Copenhaver, John W., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Acetals of 2-oxy-tetrahydropyran and tetrahydrofuran-3-aldehydes and preparing the same. 2,517,543, Aug. 8.
Copenhaver, John W., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Preparation of orthoformic esters. 2,527,494, Oct. 24.
Copenhaver, John W., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Preparation of acetals. 2,527,533, Oct. 31.
Copenhaver, John W., and D. E. Sargent, Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y. Production of diene hydrocarbons. 2,502,430, Apr. 4.
Copenhaver, John W., and D. E. Sargent, Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y. Production of diene hydrocarbons. 2,502,431, Apr. 4.
Copenhaver, John W., and D. E. Sargent, Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y. Production of diene hydrocarbons. 2,502,432, Apr. 4.
Copes, Joseph P., Easton, Pa., and C. McKinley, Belvidere, N. J., assignors to General Aniline & Film Corporation, New York, N. Y. Dehydration of sodium sulfide. 2,533,163, Dec. 5.
Coplan, Raye, Jamaica, N. Y. Marionette. 2,509,135, May 23.
Coplen, Gene J., Denver, Colo. Wrench for rock drill bits. 2,508,664, May 23.
Coplen, George, Colorado Springs, Colo. Sectional shelving. 2,529,649, Nov. 14.
Coppage, Charles L., assignor of one-half to R. P. Haydock, Los Angeles, Calif. Loose-leaf ring binder. 2,520,999, Sept. 5.
Copping, Bruce G., Atlanta, Ga., assignor to Don Manufacturing Company, Chicago, Ill. Thermostatically controlled ventilator. 2,523,497, Sept. 26.
Copping, Bruce G., Atlanta, Ga., assignor to Don Manufacturing Company, Chicago, Ill. Automatic thermostatic register. 2,523,498, Sept. 26.
Copping, Bruce G., Atlanta, Ga., assignor to Don Manufacturing Company, Chicago, Ill. Automatic thermostatic register. 2,523,499, Sept. 26.
Copping, Bruce G., Atlanta, Ga., assignor to The Coca-Cola Company, Wilmington, Del. Dispensing apparatus. 2,530,045, Nov. 14.
Copping, Bruce G., Fulton County, Ga. Automatic valve for dispensing and proportioning sirup and carbonated water. 2,495,210, Jan. 24.
Copping, Bruce G., Fulton County, Ga., assignor to The Coca-Cola Company, Wilmington, Del. Nozzle. 2,511,529, June 13.
Copping, Bruce G., Fulton County, Ga. Apparatus for proportioning a measured amount of sirup and carbonated water for beverage dispensers. 2,526,331, Oct. 17.
Coppleman, Archie E., Los Angeles, Calif. Phonograph pickup arm. 2,522,997, Sept. 19.
Coppock, Franklin E., Frenchtown, N. J., assignor to F. A. Krause, West McHenry, Ill. Dipping machine. 2,529,488, Nov. 14.
Coppock, Kenneth E., Pleasant Ridge, and A. A. Limberg, Grosse Pointe, assignors to General Motors Corporation, Detroit, Mich. Weatherstrip. 2,528,264, Oct. 31.
Coppock, Philip D., Epsom Downs, England, assignor to The Distillers Company Limited, Edinburgh, Scotland. Preparation of streptomycin. 2,523,245, Sept. 19.

Coppold, Leslie, Montreal, Quebec, Canada. Transparent continuous baffle fare receiving receptacle. 2,514,846, July 11.
Corbell, Gertrude, née Laporte, St. Jerome, Quebec, Canada. Brassière. 2,517,287, Aug. 1.
Corbell, Harry T., Cologne, Va. Scarifier tooth. 2,521,045, Sept. 5.
Corbett, Edward L., New York, N. Y. Busy tone call system for telephone exchanges. 2,510,011, May 30.
Corbett, Harold, East Orange, N. J. Machine for mixing and molding plastic materials. 2,518,124, Aug. 8.
Corbett, Mitchell S., Chicago, Ill. Therapeutic plaster. 2,529,139, Nov. 7.
Corbett, Ray F., Lewisburg, Pa. Pie. 2,509,035, May 23.
Corbiere, Jacques P. C. E., Lyon, assignor to Societe "Rhodiaceta," Paris, France. Manufacture of solutions of polymerized styrene compounds. 2,497,259, Feb. 14.
Corbin, Joseph E., West Orange, and R. C. Newhouse, Millburn, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y Voltage supply apparatus. 2,532,697, Dec. 5.
Corcoran, Laurence E., Buffalo, N. Y. Portable desk lamp. 2,521,448, Sept. 5.
Corcoran, William B., Detroit, Mich., assignor to the United States of America as represented by the Secretary of the Air Force. Preheating system for internal-combustion engines. 2,517,464, Aug. 1.
Cordell, Lyon, Venice, and L. S. Cordero, Inglewood, Calif. Dress form. 2,534,757, Dec. 19.
Cordell, Ralph L.: *See*—
Toomey, John F., and Cordell.
Cordero, Luis S.: *See*—
Cordell, Lyon and L. S.
Cordes, Charles P., Hillside, N. J. Drumhead construction. 2,524,592, Oct. 3.
Cordes, Frank, Pittsburgh, Pa. Making cast mill rolls. 2,501,663, Mar. 28.
Cordes, Walter J., Bakersfield, Calif. Oil saver. 2,513,714, July 4.
Cordis, Nat, Bassett, Wis. Milking apparatus. 2,509,214, May 30.
Cordis, Nat, Bassett, Wis. Silo apparatus. 2,518,601, Aug. 15.
Cordis, Nat, Silver Lake, Wis. Cleansing apparatus. 2,532,088, Nov. 28.
Cordivano, Guy J., Kennett Square, Pa. Compost turning machine. 2,521,832, Sept. 12.
Cordrey, Almon J.: *See*—
Hartman, Charles D., Jr., and Cordrey.
Core, John C., Jr., Huntington, W. Va. Calisthenic bar. 2,509,810, May 30.
Corex Limited, assignee: *See*—
Isserstedt, Siegfried G.
Corey, Donald W., assignor to Buxton, Incorporated, Springfield, Mass. Receptacle for articles such as electric razors. 2,504,252, Apr. 18.
Corey, Edward L.: *See*—
Webster, Andrew P., and Corey.
Corey, William G., Altadena, Calif. Apparatus for pressuring air counterbalance cylinders. 2,493,341, Jan. 3.
Corey, William S., Tujunga, A. B. and R. B. Watt, San Fernando, Calif. Wood slicing machine. 2,493,914, Jan. 10.
Corey, William S., Tujunga, Calif. Utility service clamp. 2,526,200, Oct. 17.
Corhanidis, Sebastian S., Athens, Greece. Refrigerating system having a detachable unit. 2,525,868, Oct. 17.
Corhanidis, Sebastian S., Athens, Greece. Refrigerating system removably mounted. 2,525,869, Oct. 17.
Cork, Bruce B., Peck, Mich., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Transmit-receive device. 2,522,861, Sept. 19.
Cork, Edward C., and M. Bowman-Manifold, Ealing, London, assignors to Electric & Musical Industries Limited, Hayes, England. Electric wave guide. 2,494,691, Jan. 17.
Cork, Edward C., and M. Bowman-Manifold, Ealing, London, assignors to Electric & Musical Industries Limited, Hayes, England. Electric wave guide. 2,509,196, May 23.
Cork, Edward C., and M. Bowman-Manifold, Ealing, London, assignors to Electric & Musical Industries Limited, Hayes, Middlesex, England. Electromagnetic wave guide. 2,512,849, June 27.
Cork, Spencer M., Macon, Ga., and J. L. Boyer, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Tilting cathode for ignitron. 2,500,153, Mar. 14.
Corkins, Lloyd A., Battle Creek, Mich. Dispensing apparatus for dispensing measured amounts of granular material. 2,532,698, Dec. 5.
Corless, Thomas K., Hempstead, N. Y. Muffler with rotatable baffle. 2,518,869, Aug. 15.
Corlett, Robert C., Oak Park, assignor to The Goss Printing Press Company, Chicago, Ill. Registration control device. 2,521,691, Sept. 12.
Corlett-Turner Co., assignee: *See*—
Corlett, Webster D., Jr.
Corlett, Webster D., Jr., assignor to Corlett-Turner Co., Chicago, Ill. Silent stock tubing. 2,534,811, Dec. 19.
Corley, Bennie O., Union City, Tenn. Scissors. 2,497,587, Feb. 14.
Corley, Hoyt M.: *See*—
Ralston, Anderson W., and Corley.
Corman, Gareld M., Los Angeles, Calif., assignor to The Corman and Young Optical Company, Inc., Reno, Nev. Lens for focusing infrared and ultraviolet rays. 2,493,110, Jan. 3.
Corman and Young Optical Company, Inc., The, assignee: *See*—
Corman, Gareld M.
Corn Products Refining Company, assignee: *See*—
Artz, Neal E.
Cohee, Rolland F., Jr.
Gehman, Harry, and Hach.
Kerr, Ralph W.
Schoch, Thomas J.
Sowden, John C.
Corneil, Ernest R., Niagara Falls, N. Y. Tube flexing pumping machine. 2,534,855, Dec. 19.
Cornelius, Edward B.: *See*—
Mills, George A., and Cornelius.
Cornelius, Peter H. K. G., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Aerial system. 2,505,098, Apr. 25.
Cornelius, Richard T., Minneapolis, Minn. Apparatus for discharging fluid at ambient temperature and a selected pressure, using a gas condensible at said temperature and pressure and acting on a flexible wall contacting said fluid. 2,513,455, July 4.
Cornell Aeronautical Laboratory, Inc., assignee: *See*—
Smith, Loren W., and Pingel.
Steward, Colby W., and Rivenburgh.
Cornell, Charles A.: *See*—
Johnson, Frederick W., and Cornell.
Cornell, Charles A., Johnstown, Ohio. Tire repair unit. 2,512,309, June 20.
Cornell, Dana R., East Chicago, Ind., assignor to Standard Forgings Corporation, Chicago, Ill. Forging railway axles. 2,512,484, June 20.
Cornell, Dana R., East Chicago, Ind., assignor to Standard Forgings Corporation, Chicago, Ill. Railway car wheel. 2,519,548, Aug. 22.
Cornell, Donald S., assignee: *See*—
Farkas, John W.
Cornell-Dubilier Electric Corporation, assignee: *See*—
Clark, Henry S.
Gray, Donald E.
Hings, Donald L.
Mas, Joseph A.
Robinson, William M.
Weiss, Felix.
White, John I., and Mossman.
Cornell, Elliott C., Jr.: *See*—
Knight, Floyd C., and Cornell.
Cornell, Franklin M., Brooklyn, N. Y. Screening ball mill. 2,530,862, Nov. 21.
Cornell, Fritz G., Jr., Mountain Lakes, N. J., assignor, by mesne assignments, to General Dairy Equipment Inc., Minneapolis, Minn. Variable speed churn and butter worker. 2,514,375, July 11.
Cornell, Herman, administrator: *See*—
Spinasse, Arthur E., and Pumphrey.
Cornell, James E., El Cerrito, and J. E. Hanson, Richmond, assignors to California Research Corporation, San Francisco, Calif. Aqueous detergent. 2,500,024, Mar. 7.
Cornell, Paul W., Mount Lebanon, assignor to Gulf Oil Corporation, Pittsburgh, Pa. Process and apparatus for concentrating dilute solutions. 2,509,136, May 23.
Cornell Research Foundation, Inc., assignee: *See*—
Smith, Lloyd P.
Corner, Eugene S., Roselle, R. V. J. McGee, Union, and C. S. Lynch, Plainfield, N. J., assignors to Standard Oil Development Company. Oxygen carrier for the oxidation of gaseous hydrocarbons. 2,507,502, May 16.
Corner, Eugene S., Roselle, and K. K. Kearby, Cranford, N. J., assignors to Standard Oil Development Company. Preparation of a silica-alumina-magnesia catalyst. 2,529,283, Nov. 7.
Cornery, William J., assignor to The F. E. Myers & Bro. Co., Ashland, Ohio. Convertible ejector pump. 2,525,772, Oct. 17.
Cornett, Elton J., Los Angeles, Calif. Smoke-cooling pipe. 2,519,823, Aug. 22.
Cornett, Walter V., Los Angeles, Calif. Breaker attachment for shovels. 2,517,980, Aug. 8.
Corning Glass Works, assignee: *See*—
Armistead, William H.
Armistead, William H., Jr.
Bair, George J.
Cleveland, Robert C., and Said.
Dockerty, Stuart M., Gray, Romig, and Wisner.
Goodrich, Levi F.
Guyer, Edwin M.
Hatch, Robert A.
Hyde, James F.
Kohl, Charles F., Jr.
Lukes Robert V.
McGregor, Rob R., and Warrick.
Mochel, John M.
Nordberg, Martin E.
Paquette, Cyril T., and Webb.
Peterson, Milton M.

Corning Glass Works, assignee: *See*—Continued.
Prokopec, James C.
Schuck, Charles A.
Smith, Gail P.
Speier, John L., Jr.
Stookey, Stanley D.
Warrick, Earl L.
Corning, Walter D., Knoxville, Tenn. Place card. 2,523,196, Sept. 19.
Cornwall, Leo W.: *See*—
Maduff, Sydney L., and Cornwall.
Cornwall & Patterson Company, The, assignee: *See*—
Cleary, William J., and Cook.
Cornwell, Earl D., Downers Grove, assignor to Armour and Company, Chicago, Ill. Adhesives from blood hemoglobin, formaldehyde, and ethylene diamine. 2,512,418, June 20.
Cornwell, Lionel B., New Canaan, Conn., and J. F. Nielsen, Forest Hills, N. Y. Electrical sound translating device. 2,508,783, May 23.
Cornwell, Ralph E., La Canada, Calif. Pneumatic suspension and shock absorbing mechanism for vehicles. 2,503,378, Apr. 11.
Cornwell, Ralph E., La Canada, Calif. Hydraulic resistance brake for rotary members. 2,529,540, Nov. 14.
Coronet Phosphate Company, assignee: *See*—
Hollingsworth, Clinton A.
Maust, Ernest J.
Maust, Ernest J., and Hollingsworth.
Coroniti, Samuel C., Johnson City, N. Y., W. A. Schmidt, Easton, Pa., and H. S. Baldwin, Cliffside, N. J., assignors to General Aniline & Film Corporation, New York, N. Y. Apparatus for measuring the width of flexible strip material. 2,514,847, July 11.
Corporon, Richard P.: *See*—
Weschler, William S., and Corporon.
Corrado, Domenic R., Torrington, Conn. Glass breaking hand tool. 2,534,756, Dec. 19.
Correa, Estanislao, Santiago, Chile. Statistical graph forming apparatus. 2,502,707,, Apr. 4.
Correll, Francis G., Los Angeles, Calif. Kick shifter attachment. 2,498,914, Feb. 28.
Correll, John T., assignor to The Upjohn Company, Kalamazoo, Mich. Surgical gelatin dusting powder and preparing same. 2,507,244, May 9.
Corrigan, Elwyn W., Hamilton, and W. R. Lindner, Ancaster, Ontario, Canada. Threadless lock nut and bolt. 2,521,567, Sept. 5.
Corrington, Murlan S.: *See*—
Sands, William F., and Corrington.
Corrington, Murlan S., Camden, N. J., assignor to Radio Corporation of America. Angle modulation receiver. 2,501,122, Mar. 21.
Corriston, John W., Springfield, Pa. Water-cooled furnace door. 2,513,626, July 4.
Corsaw, Harry B., Visalia, Calif. Film splicer and viewer. 2,495,957, Jan. 31.
Corser, Calvin G., assignor to Johnson Spring Cushion Company, Chicago, Ill. Stacker mechanism for coil springs. 2,498,850, Feb. 28.
Corson, Almon J., Marblehead, Mass., and T. A. Rich, Schenectady, N. Y., assignors to General Electric Company. Mutual inductance type frequency meter. 2,522,998, Sept. 19.
Corson, Bayard R., Fishkill, assignor to International Business Machines Corporation, New York, N. Y. Vacuum tube assembly process. 2,517,981, Aug. 8.
Corson, Bayard R., Fishkill, assignor to International Business Machines Corporation, New York, N. Y. Electron tube cathode heater. 2,528,425, Oct. 31.
Corson, Ben B.: *See*—
Stahly, Eldon E., and Corson.
Corson, Ben B., and G. A. Webb, assignors to Koppers Company, Inc., Pittsburgh, Pa. Silica-alumina-nickel dehydrogenation catalyst. 2,495,700, Jan. 31.
Corson, G. and W. H., Inc., assignee: *See*—
Brown, Charles R.
Corson, William G., Akron, Ohio. Rubber floor mat. 2,512,310, June 20.
Cortes, Edmundo, New York, N. Y. Electric cord holder and connector. 2,514,628, July 11.
Cortés, René, assignor of sixty per cent to Dario Sainte-Marie, Santiago, Chile. Electric lamp with switch operated by lamp movement. 2,523,818, Sept. 26.
Cortés, René, Vina Del Mar, assignor of sixty per cent to Dario Sainte-Marie, Santiago, Chile. Compensating shock absorber. 2,523,819, Sept. 26.
Cortright, Robert E., assignor, by mesne assignments, to Eastman Kodak Company, Rochester, N. Y. Condensation pump. 2,521,345, Sept. 5.
Corwin, Bernard, Easton, Pa. Foldable support frame for garment bags. 2,535,625, Dec. 26.
Corwin, Bernard, East Orange, N. J. Garment bag. 2,523,682, Sept. 26.
Corwin, Dorsey D., Kansas City, Mo. Stapling machine. 2,530,152, Nov. 14.
Corwin, John F., Unadilla, J. R. Calhoun, Bainbridge, and T. M. Buzzo, Unadilla, assignors to The Borden Company, New York, N. Y. Casein filaments treated with mercuric salt and formaldehyde solution. 2,533,356, Dec. 12.
Corwin, Melvin J., near Plymouth, Mich. Vegetable harvester. 2,525,018, Oct. 10.
Corwith, Howard P.: *See*—
D'Humy, Fernand E., Corwith, Parrott, and O'Brien.
Cory Corporation, assignee: *See*—
Alsdorf, James W.
Blakeslee, Herbert G.
Crossley, Charles N., and Gagan.
Cosakis, Nicolas, Cairo, Egypt. Airplane passenger carrier. 2,497,153, Feb. 14.
Cosby, Eric L. H., London, England. Brush with detachable fitting for bristle-carrying stocks. 2,510,804, June 6.
Cosby, James R.: *See*—
Sturm, Ralph E., and Cosby.
Cosby, John N.: *See*—
Porter, Frank, Bumpus, and Cosby.
Porter, Frank, and Cosby.
Porter, Frank, Erchak, and Cosby.
Cosby, John N., and M. Erchak, Jr., Morris Plains, N. J., assignors to Allied Chemical & Dye Corporation, New York, N. Y. Production of nitriles. 2,499,055, Feb. 28.
Cosby, Wheeler, Battle Ground, Ind. Chicken feeder. 2,515,698, July 18.
Cosler, Arthur S., Jr.: *See*—
Burger, Michael J., Collins, and Cosler.
Cosmopolitan Wares, Inc., assignee: *See*—
O'Neill, Louis R.
Cosper, Dale L., assignor to Versal Inc., South Bend, Ind. Folding bath cabinet. 2,526,733, Oct. 24.
Coss, Bert A.: *See*—
Strother, Fred P., and Coss.
Coss, George R., Detroit, Mich., assignor to Eureka Williams Corporation. Suction cleaner nozzle adjustment. 2,509,964, May 30.
Coss, George R., St. Clair Shores, assignor to Flex-O-Tube Company, Detroit, Mich. High-pressure swivel hose coupling. 2,498,395, Feb. 21.
Cossa, Frank, Bronx, N. Y. Advertising display device for dispensing containers. 2,521,449, Sept. 5.
Cossaboon, Karl F.: *See*—
Schmidt, Edgar H., and Cossaboon.
Cossar, A. C., Limited, assignee: *See*—
Bedford, Leslie H., Bell, and Langham.
Cossette, Albert F., assignor to Leominster Tool Company, Inc., Leominster, Mass. Nozzle head for injection molding. 2,500,401, Mar. 14.
Cossor, A. C., Limited, assignee: *See*—
Bell, David A.
Fleming-Williams, Brian Clifford, and Allen.
Jofeh, Lionel.
Mitchell, Arthur G.
Phipps, Darrell C.
Rhodes, Dennis H. J.
Shelton, Edward E.
Costa, Joseph L., Scarsdale, assignor to Oscar Kohorn & Co. Ltd., New York, N. Y. Apparatus for the liquid treatment of thread. 2,520,594, Aug. 29.
Costa, Joseph L., Westchester County, assignor to Oscar Kohorn & Co., Ltd., New York, N. Y. Production of regenerated cellulose products. 2,521,450, Sept. 5.
Costa, Lawrence J.: *See*—
Wade, Estes M., and Costa.
Costakos, Theodore M., Minneapolis, Minn. Liquid dispenser. 2,519,115, Aug. 15.
Coste, James V., Hinton, W. Va. Radio indicating apparatus. 2,522,098, Sept. 12.
Costea, Louis, Brea, Calif. Inflated elastic body within another inflated elastic body. 2,505,526, Apr. 25.
Costello, Edward, Washington, D. C. Exercising device for horses. 2,500,805, Mar. 14.
Costello, Francis G., Los Angeles, Calif. Nut for lead screws. 2,495,409, Jan. 24.
Costello, Frank T., South Boston, Mass. Protector for reeds on musical instruments. 2,502,558, Apr. 4.
Costello, Hal F., assignor to Costello-Mausure, Inc., Detroit, Mich. Vaporizer. 2,513,919, July 4.
Costello, John B., assignor to Lee Rubber & Tire Corporation, Conshohocken, Pa. Apparatus for and method of forming surgical tubes and other tubular articles. 2,505,099, Apr. 25.
Costello-Mausure, Inc., assignee: *See*—
Costello, Hal F.
Costello, Michael J., Surbiton, assignor of one-half to P. Alderman, West Bexington, near Dorchester, England. Device for effecting the threading of needles and the like. 2,518,287, Aug. 8.
Costello, William A., Philadelphia, Pa. Baffle packing. 2,521,692, Sept. 12.
Costner, Jack C.: *See*—
Robinson, Elvin B., and Costner.
Cosulich, Donna B.: *See*—
Smith, James M., Jr., and Cosulich.
Cotabish, Harry N.: *See*—
Yant, William P., and Cotabish.
Cotchett, Louis M., Hingham, Mass. Top roll for textile drafting mechanisms. 2,525,591, Oct. 10.
Cotchett, Louis M., Hingham, Mass. Top roll for textile drafting mechanisms. 2,525,592, Oct. 10.
Cote, George H., assignee: *See*—
Miller, John R.
Cote, George H., Bridgeport, Conn. Releasing toolholder. 2,505,303, Apr. 25.
Cote, Leon J., Hampden, Mass. Fastener applying device. 2,511,795, June 13.

Cote, Omer E., Providence, R. I., assignor to United States Automatic Box Machinery Co., Inc. Method and machine for filling containers with powdered material and for removing dust and airborne particles at region ambient the container. 2,524,560, Oct. 3.

Cote, Rodolphe, assignee: *See*—
Le Duc, Joseph E.

Cotesworth, Harry A.: *See*—
Weise, Kurt R., and Cotesworth.

Cothern, Alfred J., Tucumcari, N. Mex. Minnow bucket. 2,512,791, June 27.

Cotner, Walter W., Ithaca, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electronic system for energizing direct-current motors from an alternating current supply. 2,530,949, Nov. 21.

Cotsworth, Albert, III: *See*—
Ellett, Alexander, Gustafson, and Cotsworth, III.

Cotten, Ernest W.: *See*—
Reynolds, William B., and Cotten.

Cotter Manufacturing Co., Inc., assignee: *See*—
Cotter, William A.

Cotter, Ralph E., Jr., assignee: *See*—
Miller, William O.

Cotter, William A., assignor to Cotter Manufacturing Co., Inc., New York, N. Y. Atomizer. 2,528,641, Nov. 7.

Cotterell, Maurice S., assignee: *See*—
Fox, Clarence D.

Cotterill, Ernest, Braintree, assignor to Courtaulds Limited, London, England. Flier for double twist machines. 2,499,726, Mar. 7.

Cottet, Emile C., and R. L. F. Chazal, Lyon, assignors to Societe des Usines Chimiques Rhone-Poulenc, Paris, France. Polyvinyl resin emulsions. 2,498,792, Feb. 28.

Cottet, Emile C., and R. L. F. Chazal, Lyon, assignors to Societe des Usines Chimiques Rhone-Poulenc, Paris, France. Safety glass. 2,524,960, Oct. 10.

Cotton, Claud D., Jr., Birmingham, and E. F. Nichols, Bessemer, Ala. Automatic selective battery charger. 2,502,249, Mar. 28.

Cotton, Lucy, Miami, Fla. Massaging device. 2,506,856, May 9.

Cotton, Robert B., Lansdowne, Pa., assignor to All American Airways, Inc. Safety belt. 2,521,203, Sept. 5.

Cotton, Robert H., Orlando, Fla., and A. L. Schroeder, Brookline, assignors to National Research Corporation, Boston, Mass. Preparing products for storage and packaged products produced thereby. 2,520,878, Aug. 29.

Cottrell, C. B., & Sons Company, assignee: *See*—
Barber, Howard M.
Luehrs, Hans J.
Meyer, Joseph E.

Cottrell, Jack A., D. H. Hewitt, and F. Armitage, Homerton, London, E. Booth and R. H. Buckle, both of London, England, executors of said Hewitt, deceased, assignors, by mesne assignments, to The Sherwin-Williams Company, Cleveland, Ohio. Allyl esters of cyclohexyl substituted succinic acids. 2,496,271, Feb. 7.

Cottrell, Robert B., assignor to American Steel Foundries, Chicago, Ill. Truck arrangement. 2,495,570, Jan. 24.

Cottrell, Robert B., assignor to American Steel Foundries, Chicago, Ill. Brake beam. 2,499,905, Mar. 7.

Cottrell, Robert B., assignor to American Steel Foundries, Chicago, Ill. Snubbed truck. 2,512,829, June 27.

Cottrell, Robert B., assignor to American Steel Foundries, Chicago, Ill. Brake beam, head and guide structure. 2,524,726, Oct. 3.

Cottrell, Robert B., assignor to American Steel Foundries, Chicago, Ill. Brake beam casting. 2,525,775, Oct. 17.

Cottrell, Robert B., assignor to American Steel Foundries, Chicago, Ill. Spring group. 2,527,356, Oct. 24.

Cottrell Robert B., assignor to American Steel Foundries, Chicago, Ill. Brake hanger and making. 2,535,626, Dec. 26.

Coty, Inc., assignee: *See*—
Martin, Jean R. L.

Couch, James F., Glenside, and C. F. Krewson, and W. L. Porter, Philadelphia, Pa., assignors to the United States of America as represented by the Secretary of Agriculture. Refining rutin. 2,500,930, Mar. 21.

Couch, James F., Glenside, and J. Naghski and W. L. Porter, Philadelphia, Pa., assignors to the United States of America as represented by the Secretary of Agriculture. Purifying rutin. 2,520,127, Aug. 29.

Couch, S. H., Company, Inc., assignee: *See*—
Johnson, Carl A. P., and Morrison.

Coughlan, Standly T.: *See*—
Thomas, Earl E., and Coughlan.

Coughlin, Earl A., Detroit, Mich. Fish tackle float. 2,531,806, Nov. 28.

Coughlin, John M., Elmira, N. Y. Automobile coat hanger suspension means. 2,516,617, July 25.

Cougias, Gus, Gary, Ind. Toothbrush record. 2,512,485, June 20.

Cougnard, Jérôme, Nanterre, France. Apparatus for the protection of high-voltage electric installations against high-frequency atmospheric discharges. 2,517,087, Aug. 1.

Couillard, Louis, Paris, France, assignor to Societe Francaise Radio Electrique. Radioaltimeter amplifier. 2,513,454, July 4.

Couillard, Louis, Paris, France, assignor to Societe Francaise Radio Electrique. Radio altimeter. 2,533,769, Dec. 12.

Couillard, Luther W., assignor to Collins Radio Company, Cedar Rapids, Iowa. Automatic volume control arrangement. 2,530,000, Nov. 14.

Coulborn, Howard D., assignor to Economic Heating Engineers, Wynnewood, Pa. Inclined water tube boiler. 2,516,755, July 25.

Coull, Ward I., Timber Lake, S. Dak. Dehorner. 2,516,959, Aug. 1.

Coulson, Gordon R., Calgary, Alberta, Canada. Overhead transporting door for garages and the like. 2,517,768, Aug. 8.

Coultas, Wilbur J.: *See*—
Andrews, Norman F., Dort, Verger, Coultas, and Hill.
Paradise, Louis A., Coultas, and Andrews.

Coulter, George H., assignee: *See*—
Coulter, Robert.

Coulter, Guy H., assignor to United Lens Corporation, Detroit, Mich. Compact relay and supporting means therefor. 2,529,212, Nov. 7.

Coulter, Robert W., assignor of one-half to G. H. Coulter, Massillon, Ohio. Manually operated portable washer. 2,509,907, May 30.

Coulthard, William, Scotby, near Carlisle, England. Die-casting machine. 2,530,760, Nov. 21.

Coulthard, William & Company Limited, assignee: *See*—
Gash, Frederick.

Coultrip, Raymond L., assignor to Perfex Corporation, Milwaukee, Wis. Timing mechanism. 2,521,693, Sept. 12.

Counter, Virgil A., and W. M. Fairbank, Cambridge, and J. Halpern, Boston, Mass., assignors, by mesne assignments, to the United States of America as represented by the Secretary of War. Testing device for radio object detection systems. 2,532,539, Dec. 5.

Counterman, Lewis B., Kenvil, N. J., assignor to Hercules Powder Company, Wilmington, Del. Explosive cartridge unit. 2,535,196, Dec. 26.

Coupe, Noel P.: *See*—
Clarke, John S. and A. E., and Coupe.

Couperus, Pierce G.: *See*—
Smith, Frederick H., and Couperus.

Coures, Frank, assignee: *See*—
Bowling, Robert B., and Bennett.

Couri, George, Astoria, N. Y. Fluid operated press and control therefor. 2,535,785, Dec. 26.

Couri, George, Astoria, N. Y. Fluid operated press. 2,535,786, Dec. 26.

Coursen, John W., New York, N. Y., and E. J. Schweitzer, Milford, assignors to United Aircraft Corporation, East Hartford, Conn. Hydraulic strut. 2,497,489, Feb. 14.

Coursey, Dallas J., Chicago, Ill. Closure for mufflers. 2,507,333, May 9.

Coursey, Philip R., Liss, England, assignor to Engineering Development Laboratories, Inc., New York, N. Y. Electrical condenser. 2,533,716, Dec. 12.

Coursey, Philip R., Kingston, England, assignor to Engineering Development Laboratories, Inc., N. Y. Making electrical condensers. 2,533,717, Dec. 12.

Coursey, Philip R., Kingston, C. H. Munday, Barnes, and K. A. Gough, Sutton, England, assignors to Engineering Development Laboratories, Inc., New York, N. Y. Making electrical condensers. 2,533,718, Dec. 12.

Court, Alva B.: *See*—
Jones, Watkins W., Brewer, and Court.

Court, Frank T., deceased, late of Moline, Ill., by V. F. Court, executrix, Rock Island, assignor to Deere & Company, Moline, Ill. Valve control mechanism for hydraulic circuit. 2,505,527, Apr. 25.

Court, Frank T., assignor to Deere & Company, Moline, Ill. Cultivator tooth releasing means. 2,506,443, May 2.

Court, Frank T., assignor to Deere & Company, Moline, Ill. Hydraulic mechanism. 2,515,395, July 18.

Court, Frank T., deceased, Moline, Ill., by V. F. Court, executrix, assignor to Deere & Company, Moline, Ill. Follow-up valve control means for hydraulic mechanism. 2,519,228, Aug. 15.

Court, Leslie W., Richmond, Ind., assignor to International Harvester Company. Apparatus for forming potato digger links. 2,497,297, Feb. 14.

Court, Stanley A. F.: *See*—
Minns, Frederick J., Court, and Langdale.

Court, Virginia F., executrix: *See*—
Court, Frank T.

Courtaulds Limited, assignee: *See*—
Cotterill, Ernest.
Entwistle, Donald.
Givens, John H., Wale, and Rose.
Happey, Frank, and Grimes.
Hegan, Horace J.
MacGregor, James H., and Happey.
Morton, Thomas H., and Ward.
Tallis, Ernest E., and Clotworthy.

Courter, Richard J., Jewell, Kans. Animal exterminator. 2,534,699, Dec. 19.

Courter, Theresa, San Francisco, Calif. Umbrella container. 2,522,604, Sept. 19.

Courtier, Armand J., Meudon, assignor to Societe Anonyme des Manufactures des Glaces et Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France. Preparation of thiourea. 2,521,788, Sept. 12.
Courtney, Joseph F., Chicago, Ill. Illuminated switch socket. 2,498,943, Feb. 28.
Courtney, Robert P., Bloomfield, N. J., assignor, by mesne assignments to Union Carbide and Carbon Corporation. Oil-well sealing compositions. 2,512,716, June 27.
Courtot, Louis B., assignor to The Weatherhead Company, Cleveland, Ohio. Pressure regulator. 2,493,111, Jan. 3.
Courtot, Louis B., assignor to The Weatherhead Company, Cleveland, Ohio. Composite hose end. 2,496,037, Jan. 31.
Courtot, Louis B., assignor to The Weatherhead Company, Cleveland, Ohio. Tool for assembling inserts in hose ends. 2,499,056, Feb. 28.
Courtot, Louis B., assignor to The Weatherhead Company, Cleveland, Ohio. Making hose ends. 2,499,241, Feb. 28.
Courtot, Louis B., assignor to The Weatherhead Company, Cleveland, Ohio. Pressure regulator. 2,517,534, Aug. 8.
Courtot, Louis B., assignor to The Weatherhead Company, Cleveland, Ohio. Valve. 2,534,577, Dec. 19.
Courtright, Harry C., Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation. High temperature insulation and method of manufacture. 2,500,665, Mar. 14.
Courvoisier, Frédéric, Zurich, Switzerland. Determination of moisture contents. 2,532,010, Nov. 28.
Couse, Kibbey W., Newark, N. J. Two-blade reciprocating saw device. 2,534,001, Dec. 12.
Cousineau, John B.: *See*—
Hise, Herbert, and Cousineau.
Cousineau, John B., Forest Park, assignor to Valco Manufacturing Co., Chicago, Ill. Stringed musical instrument. 2,519,824, Aug. 22.
Cousineau, Napoleon E., Cleveland, Ohio. Scale attachment. 2,516,046, July 18.
Cousino, Walter P.: *See*—
Breer, Carl, Zeder, and Cousino.
Cousy, Edwin V.: *See*—
Williams, Everard M., and Cousy.
Coutant, André, and J. Mathot, Paris, France. Kinematographic camera view finder. 2,503,325, Apr. 11.
Coutant, André, and J. Mathot, Paris, France. Cinematographic camera having separable gate forming means. 2,505,231, Apr. 25.
Coutant, André C., and J. Mathot, Paris, France. Tripod with ball-and-socket joint. 2,496,986, Feb. 7.
Coutant, André C., and J. Mathot, Paris, France. Film presser having a central projecting plane portion for moving picture cameras. 2,497,847, Feb. 21.
Coutant, André C., and J. Mathot, Paris, France. Rotary reflecting element in a view finder for cinematographic cameras. 2,513,149, June 27.
Coutant, André C., assignor to Suzanne., R. Coutard, born Mathot, Paris, France. Steerable motion-picture camera stand. 2,518,288, Aug. 8.
Coutant, André C., and J. Mathot, Paris, France. Extensible leg for tripods. 2,519,549, Aug. 22.
Coutant, Edward R., Stratford, Conn., assignor to General Electric Company. Two wire electrical connector. 2,525,449, Oct. 10.
Coutard, Suzanne, Rosalie, assignee: *See*—
Coutant, André C.
Coutcher, William A., Monroe, Mich. Vehicle control accessory. 2,503,802, Apr. 11.
Couture, Albert P., Detroit, Mich. Window lock. 2,523,559, Sept. 26.
Covalt, Arnold, assignee: *See*—
Davis, Clarence C., and Covalt.
Covalt, Paul: *See*—
Davis, Clarence C., and Covalt.
Coven, Inus M., Gainesville, Ga. Hospital jacket. 2,528,340, Oct. 31.
Cover, Martin L., Allen Park, Mich., assignor to National Steel Corporation. Apparatus for conveying liquids. 2,528,642, Nov. 7.
Cover, Ralph, Westminster, Md. Corn cutter blade sharpening machine. 2,510,557, June 6.
Cover, Ralph, Westminster, Md. Corn cutting machine. 2,510,558, June 6.
Cover, Ralph, Westminster, Md. Corn ear trimmer. 2,511,464, June 13.
Cover, Ralph, Westminster, Md. Corn husking machine. 2,535,485, Dec. 26.
Cover, Raymond, Springdale, Conn. Spring bracer. 2,525,065, Oct. 10.
Covey, Dewey L., San Diego, Calif. Pin fastener. 2,513,847, July 4.
Covington, Carl A.: *See*—
Earle, Clarence E., and Covington.
Covington, Charles W., and J. E. Mann, Richmond, Va., assignors to General Outdoor Advertising Co., Inc. Poster panel. 2,512,519, June 20.
Covington, Harry H.: *See*—
Bylin, Richard S., Covington, and Heydenfeldt.
Covington, Reginald W., administrator: *See*—
Vickery, Frederick W.
Covins, Meyer, Danville, Ill. Gas compressor. 2,514,223, July 4.
Covrall Industries, Inc., assignee: *See*—
Vitarelli, Henry.
Cowan, Irma M., Chicago, Ill. Garment clasp. 2,509,965, May 30.
Cowan, John C.: *See*—
Beckel, Arthur C., Cowan, and Belter.
Croston, Clarence B., Evans, McKinney, and Cowan.
Lewis, Arthur J., Moser and Cowan.
McKinney, Leonard L., Uhing, and Cowan.
Cowan, Malcolm H., Parkton, N. C. Fire extinguisher. 2,530,001, Nov. 14.
Cowan, Morris, New York, N. Y. Extensible band. 2,513,288, July 4.
Cowan, Ralph T., Detroit, Mich., assignor to Bailey Meter Company, Fluid flow control system. 2,504,304, Apr. 18.
Cowardin, Constance K., executrix: *See*—
Cowardin, Harry A.
Cowardin, Harry A., deceased, Richmond, Va.; C. K. Cowardin, executrix. Switch device. 2,515,078, July 11.
Cowen, Sidney T. V., Asbury Park, and M. A. Shriro, Elberon, N. J., assignors to the United States of America as represented by the Secretary of War. Cushioned package of fragile articles. 2,518,450, Aug. 15.
Cowgill, Paul K.: *See*—
Agee, Harold J., Cowgill, and Gordon.
Cowgill, William W., Fairfield, Conn., assignor to United States Rubber Company, New York, N. Y. Freezing unit defroster. 2,515,294, July 18.
Cowherd, Robert D., West Terre Haute, Ind., assignor to The Bristol Company, Waterbury, Conn. Vent control for processing containers. 2,531,257, Nov. 21.
Cowles, Albon C., Jr., United States Navy. Cooling gas turbine blades. 2,506,581, May 9.
Cowles, Eugene H.: *See*—
Mumford, Manly S., and Cowles.
Cowles, Robert J., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Automatic stop-on carrier tuning system. 2,516,856, Aug. 1
Cowley, Greer W., Lincoln Park, N. J., and D. E. Thomas, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Meter protection circuit. 2,516,756, July 25.
Cowsert, Ross, assignee: *See*—
Johnson, Victor E.
Cox, Charles N., assignee: *See*—
Glover, Victor O.
Cox, Charles W., St. Albans, W. Va., assignor to American Viscose Corporation, Wilmington, Del. Filter system. 2,507,591, May 16.
Cox, Charles W., St. Albans, W. Va., assignor to American Viscose Corporation, Wilmington, Del. Sampling device. 2,509,264, May 30.
Cox, Charles W., St. Albans, W. Va., assignor to American Viscose Corporation, Wilmington, Del. Handling staple fibers. 2,511,970, June 20.
Cox, Claire M.: *See*—
Meunier, Vincent C., and Cox.
Cox, Clarence H., Clayton, Mo. Sealing and antiseize pipe joint compound. 2,508,596, May 23.
Cox, Duncan W. F.: *See*—
Cox, William M., and Cox.
Cox, Elza A., Marion, Ill. Clarifier of sewage by colloidal degeneration. 2,533,223, Dec. 12.
Cox, George C., Charleston, W. Va. Immersion anode. 2,507,694, May 16.
Cox, George C., Charleston, W. Va. Electrocoating method. 2,534,234, Dec. 19.
Cox, Henry C., assignee: *See*—
Whitlock, Charles H.
Cox, Herald R., Suffern, and S. Aiston, Pearl River, assignors to American Cyanamid Company, New York, N. Y. Separating live viruses from nonviral protein matter. 2,506,345, May 2.
Cox, Herald R., Suffern, and H. Koprowski, Pearl River, assignors to American Cyanamid Company, New York, N. Y. Hog cholera vaccine. 2,518,978, Aug. 15.
Cox, Herbert F., Jr., assignor to American Can Company, New York, N. Y. Machine for flaking plastic material. 2,499,359, Mar. 7.
Cox, Herbert F., Jr., assignor to American Can Company, New York, N. Y. Scoring roller. 2,519,355, Aug. 22.
Cox, Irvin W., West Allis, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Multiple gap arc starting ionizer. 2,533,095, Dec. 5.
Cox, Isaac E., Kirkwood, Mo., assignor to American Brake Shoe Company, New York, N. Y. Machine tool. 2,496,379, Feb. 7.
Cox, James C., assignor to S-M-S Corporation, Detroit, Mich. Electrode holder. 2,518,289, Aug. 8.
Cox, James O., Jr.: *See*—
Farish, Med B., Jr., and Cox.
Cox, John H.: *See*—
Hale, James E., Cox, and Kreyer.
Cox, John H., Seville, and R. L. Miller, assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Pneumatic jack inflatable by exhaust of automobiles. 2,495,092. Jan. 17.
Cox, John W., assignor, by mesne assignments, to Shellmar Products Corporation, Chicago, Ill. Molded pulp carton. 2,517,465, Aug. 1.
Cox, John W., assignor to Shellmar Products Corporation, Chicago, Ill. Carton. 2,529,140, Nov. 7.
Cox, Joseph B., assignor to Oregon Saw Chain Mfg. Corp., Portland, Oreg. Power saw chain. 2,508,784, May 23.

Cox, Joseph H., and H. A. Rose, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,515,989, July 18.

Cox, Joseph, Jr.: *See*—
Cox, Joseph W.

Cox, Joseph W. and J., Jr., Bronx, N. Y. Folding infant's chair. 2,509,036, May 23.

Cox, Laura E., Brownfield, Ill. Weaning basket. 2,523,820, Sept. 26.

Cox, Linvell A., Chicago, Ill., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Temperature control apparatus. 2,534,416, Dec. 19.

Cox, Merrill, University Heights, and A. L. Foell, Cleveland Heights, Ohio. Solids concentrating method and apparatus. 2,499,057, Feb. 28.

Cox, Norman L., Claymont, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Spinning of viscose. 2,535,044, Dec. 26.

Cox, Norman L., Claymont, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Spinning of viscose. 2,535,045, Dec. 26.

Cox, Norman L., Claymont, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Spinning of viscose. 2,536,014, Dec. 26.

Cox, Parker G., Rochester, N. Y., assignor to W. F. Congdon. Air-line lubricator. 2,532,441, Dec. 5.

Cox, Ramsey M., Avoca, Tex. Kite. 2,508,747, May 23.

Cox, Roscoe W., Rensselaer, N. Y. Cargo bracing means for railway freight cars. 2,509,966, May 30.

Cox, Robert E.: *See*—
Silver, Walter H., and Cox.

Cox, Samuel W., Miami, Fla. Protector for drink mixers. 2,513,848, July 4.

Cox, Stephen J., Westfield, assignor, by mesne assignments, to Worthington Pump and Machinery Corporation, Harrison, N. J. Treating plastic concrete pavements. 2,509,675, May 30.

Cox, Thomas K., Randallstown, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Synthetic and natural rubber compositions containing wax and heat-treated gilsonite. 2,501,123, Mar. 21.

Cox, Thomas K., Randallstown, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for molding articles. 2,501,863, Mar. 28.

Cox, Truitt V., assignor of one-half to H. H. Ogburn, Greensboro, N. C. Hydraulically operated adjustable bed. 2,517,466, Aug. 1.

Cox, Virgil L., Ashland, Ohio. Attachment for plows. 2,499,988, Mar. 7.

Cox, Walter A., assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Infeed attachment for grinding machines. 2,518,600, Aug. 15.

Cox, Walter C., Denver, Colo. Suspension railway. 2,508,748, May 23.

Cox, William M., Woodside, and D. W. F. Cox, Hillside Heights, N. Y. Combination warning signal and trouble lamp. 2,496,618, Feb. 7.

Coxhead, Ralph C., Corporation, assignee: *See*—
Resch, Henry.

Coxon, George E., Cicero, assignor to Stewart-Warner Corporation, Chicago, Ill. Electric pressure responsive device. 2,502,559, Apr. 4.

Coxon, George E., Cicero, and T. Paul, assignors to Stewart-Warner Corporation, Chicago, Ill. Pressure responsive sending unit for indicators. 2,525,095, Oct. 10.

Coy, Joseph A., Tulsa, Okla. Cooling tower spray. 2,530,002, Nov. 14.

Coyle, John, Baltimore, Md., assignor to Continental Can Company, Inc., New York, N. Y. Olican spout structure and attaching the spout. 2,535,837, Dec. 26.

Coyle, John, Baltimore, Md., assignor to Continental Can Company, Inc., New York, N. Y. Making a tablet box. 2,535,838, Dec. 26.

Coyle, John, Baltimore, Md., and W. F. Punte, Chicago, Ill., assignors to Continental Can Company, Inc., New York, N. Y. Container top and closure therefor. 2,535,840, Dec. 26.

Coyle, John, and W. F. Punte, Baltimore, Md., assignors to Continental Can Company, New York, N. Y. Nozzle equipped valve outlet for containers. 2,514,030, July 4.

Coyle, John, and W. F. Punte, Baltimore, Md., assignors to Continental Can Company, Inc., New York, N. Y. Metal container for food products. 2,535,839, Dec. 26.

Coyne, Bernard B., assignor to American Marietta Co., Seattle, Wash. Antifoamers for proteinaceous solutions. 2,524,309, Oct. 3.

Coyne, John F., Abbotsford, Melbourne, Victoria, Australia. Blind fastener device. 2,516,554, July 25.

Cozart, Leonard D., Fort Worth, Tex. Automatic station indicator. 2,502,829, Apr. 4.

Cozart, Leonard D., Fort Worth, Tex. Bench key for split stem watches. 2,519,439, Aug. 22.

Cozzoli, Frank J., Plainfield, N. J. Sealing machine. 2,500,521, Mar. 14.

Cozzoli, Frank J., Plainfield, N. J. Sealing machine. 2,500,522, Mar. 14.

Cozzoli, Frank J., Plainfield, N. J. Variable displacement filling machine. 2,518,870, Aug. 15.

Cozzoli, Frank J., Plainfield, N. J. Filling machine. 2,523,560, Sept. 26.

Cozzoli, Frank J., Plainfield, N. J. Combined filling and sealing machine. 2,530,230, Nov. 14.

Crabb, Silas F., Des Moines, Iowa. Vacuum cleaner. 2,534,578, Dec. 19.

Crabbe, John D., Liverpool, and S. E. Harper, Heswall Hills, England, assignors to Dunlop Tire and Rubber Corporation, Buffalo, N. Y. Apparatus for the vulcanization of rubber articles in transitu. 2,518,125, Aug. 8.

Crabbs, Herbert J., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,528,118, Oct. 31.

Crabtree, George W., Cleveland Heights, Ohio. Hydraulic spring control means and their mounting on vehicles. 2,503,030, Apr. 4.

Crabtree, J. A., & Co. Limited, assignee: *See*—
Besag, Ernst, Hill, and Wintle.

Crabtree, J. A., & Co. Ltd., assignee: *See*—
Hill, Walter E., and Wintle.

Cracas, Louis J., Oradell, N. J., assignor to The Upjohn Company, Kalamazoo, Mich. Separation of gamma and beta-picolines. 2,516,370, July 25.

Craft, Clifford J., 3rd, Flushing, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cold cathode gas tube trigger pulse circuit. 2,504,963, Apr. 25.

Craft, Clifford J., 3rd, Flushing, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cold cathode gas tube counting circuit. 2,534,856, Dec. 19.

Craft, George E., assignor to F. M. Lewis, Mount Clemens, Mich. Differential mechanism. 2,509,560, May 30.

Craft, Glen, and V. G. Carlson, Cherokee, Iowa. Gradometer. 2,493,946, Jan. 10.

Craft, William S., Cranford, N. J., assignor to Standard Oil Development Company. Tunnel-type bubble cap and controlling vapor distribution therethrough. 2,531,030, Nov. 21.

Crafton, Henry H., Baden, assignor to H. H. Robertson Company, Pittsburgh, Pa. Shearing apparatus. 2,509,760, May 30.

Crafts, Curtis S., Oak Park, assignor to The Goss Printing Press Company, Chicago, Ill. Clutch and locking device therefor. 2,493,059, Jan. 3.

Crafts, Curtis S., Oak Park, assignor to The Goss Printing Press Company, Chicago, Ill. Rotary cutting mechanism. 2,499,570, Mar. 7.

Crafts, Curtis S., Oak Park, assignor to The Goss Printing Press Company, Chicago, Ill. Plate securing means. 2,496,200, Jan. 31.

Crafts, Curtis S., Oak Park, assignor to The Goss Printing Press Company, Chicago, Ill. Printing press former. 2,504,502, Apr. 18.

Crafts, Curtis S., Oak Park, assignor to The Goss Printing Press Company, Chicago, Ill. Rotary printing and folding mechanism. 2,511,149, June 13.

Crafts, Curtis S., Oak Park, assignor to Goss Printing Press Company, Chicago, Ill. Printing press ink fountain. 2,519,229, Aug. 15.

Crafts, Curtis S., Oak Park, assignor to The Goss Printing Press Company, Chicago, Ill. Registration control device. 2,522,479, Sept. 12.

Crafts, Curtis S., Chicago, W. J. Nolan, Cook County, and W. G. Zimmer, Villa Park, assignors to The Goss Printing Press Company, Chicago, Ill. Ink roller vibrator. 2,506,778, May 9.

Crafts, Dermont B., Auburn, Maine. Hair drier. 2,504,394, Apr. 18.

Cragg, William D., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Velocity microphone with ribbon supported along its edges. 2,510,079, June 6.

Crago, Harry R., Schenectady, N. Y., assignor to General Electric Company. Automatically reversible regulating valve. 2,495,226, Jan. 24.

Craig, Alfred B., and W. H. Yanko, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Synthetic rubber copolymer of a butadiene hydrocarbon and ortho-n-acrylyl or methacrylyl amino biphenyl. 2,503,195, Apr. 4.

Craig, Burnie J., Los Angeles County, Calif. Latch for automotive vehicle doors. Re. 23,292, Nov. 7.

Craig, Burnie M., Pasadena, and G. J. Robinson, Glendale, Calif., assignors, by mesne assignments, to Fairchild Camera and Instrument Corporation, Jamaica, N. Y., and Pasadena, Calif. Fore-and-aft aerial camera. 2,512,486, June 20.

Craig, Charles A., Santa Barbara, Calif. Fishing lure. 2,514,938, July 11.

Craig, Charles W., South Euclid, Ohio, assignor to General Electric Company. Glass severing apparatus. 2,518,871, Aug. 15.

Craig, David, Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Distillation of volatile monomeric materials from aqueous polymer dispersions while reducing foam formation by the presence of acetic acid. 2,500,894, Mar. 14.

Craig, David, Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. N-phenyl-3,5-diethyl-2-propyl-pyridinium compounds. 2,501,209, Mar. 21.

Craig, Edward, Brea, Calif. Lens shield. 2,511,329, June 13.

Craig, Edward, Brea, Calif. Auxiliary wheel for motor vehicles. 2,535,567, Dec. 26.

Craig, Ernest, Toronto, Ontario, Canada. Rotary vibratory hammer. 2,500,402, Mar. 14.
Craig, Frank S., Chili, assignor to General Railway Signal Company, Rochester, N. Y. Adjusting pliers for electrical spring contacts. 2,503,657, Apr. 11.
Craig, Harry G., assignor of one-half to W. H. Schnacke, Evansville, Ind. Flush pin gauge. 2,517,846, Aug. 8.
Craig, Leo S., Eatontown, N. J., and L. Hillman, New York, N. Y., assignors to the United States of America as represented by the Secretary of War. Radiosonde. 2,509,215, May 30.
Craig, Louis E.: *See*—
Kropa, Edward L., Craig, and Nyquist.
Craig Machine, Inc., assignee: *See*—
Winskowicz, John A.
Craig, Palmer H., Gainesville, Fla., assignor to Invex, Inc. Ultra high frequency oscillator. 2,520,383, Aug. 29.
Craig, Paul S., State College, Pa. Electrically operated lock for motor vehicles. 2,499,727, Mar. 7.
Craig, W. E.: *See*—
Hester, William F., and Craig.
Craig, W. E., Philadelphia, and W. F. Hester, Drexel Hill, assignors to Rohm & Haas Company, Philadelphia, Pa. Methylol phosphites. 2,494,862, Jan. 17.
Craig, W E, Philadelphia, and W. F. Hester, Drexel Hill, assignor to Rohm & Haas Company, Philadelphia, Pa. Diallyl esters of phosphorous acid. 2,495,958, Jan. 31.
Craig, Willis, G., Cleveland, assignor to The Lubrizol Corporation, Wickliffe, Ohio. Asphalt emulsion. 2,503,246, Apr. 11.
Craig, Winfred C., Westfield, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Yellow diffusion-fast color formers of the benzimidazole class. 2,500,487, Mar. 14.
Craig, Rufus, Hobbs, N. Mex. Snapper attachment for wrench handles. 2,530,863, Nov. 21.
Craig, Winfred C., Westfield, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Cyan color formers capable of yielding fine grain images. 2,530,349, Nov. 14.
Crain, Tom, assignee: *See*—
Adams, Mozel A.
Crain, William D., Stoneham, Colo. Dump hayrake. 2,498,650, Feb. 28.
Crake, Wilfred S., Houston, Tex., assignor to Shell Development Company, San Francisco, Calif. Deformable packer. 2,519,116, Aug. 15.
Cramer, Charlotte A., New York, N. Y. Wedge heel shoe. 2,509,423, May 30.
Cramer, John M., Carbondale, Pa. Bobbin. 2,499,989, Mar. 7.
Cramer, Raymond H., Bloomfield, N. J., assignor to General Motors Corporation, Detroit, Mich. Grinding of rollers. 2,507,334, May 9.
Cramer, Raymond H., Bloomfield, N. J., assignor to General Motors Corporation, Detroit, Mich. Centerless grinding of longitudinally contoured articles. 2,526,332, Oct. 17.
Cramer, Richard R., Dayton, Ohio. Adjustable stool. 2,505,100, Apr. 25.
Cramer, Robert, Jr., Hales Corners, Wis. Adjustable leveling support comprising identical coacting wedges. 2,524,961, Oct. 10.
Cramer, Roy A., Sr., Hickman Mills, Mo. Reclining chair. 2,497,395, Feb. 14.
Cramer, Roy A., Kansas City, Mo. Resilient chair back mounting. 2,524,624, Oct. 3.
Cramer, Royal G., Zanesville, Ohio. Ring roll bearing. 2,529,918, Nov. 14.
Crampton, Basil R., assignor, by mesne assignments, to Crampton Manufacturing Company, Grand Rapids, Mich. Spud for flush tank levers. 2,497,396, Feb. 14.
Crampton Manufacturing Company, assignee: *See*—
Crampton, Basil R.
Crandall, Charles B., assignor to Barber-Colman Company, Rockford, Ill. Warp tying machine for operating upon leased warps. 2,496,038, Jan. 31.
Crandall Dry Dock Engineers Inc., assignee: *See*—
Ducharme, Jean M.
Crandall, Gladstone B., Woodstock, Ontario, Canada. Pattern control means for shotguns. 2,512,850, June 27.
Crandall, Max E., assignor of one-half to M. T. Sanders, Kingfisher, Okla. Flush ball guide. 2,526,936, Oct. 24.
Crandell, Dean D., Buffalo, N. Y., and D. W. Burnett, Alexandria, Ind., assignors to National Gypsum Company Buffalo, N. Y. Mineral wool fibers and preparing same. 2,501,316, Mar. 21.
Crane & Breed Casket Company, The, assignee: *See*—
Brown, Raymond W., and Wienkamp.
Slaughter, Bernard J., Jr., and Brown.
Crane, Carl J., Sacramento, Calif. Night and all-weather ground trainer. 2,492,969, Jan. 3.
Crane Co., assignee: *See*—
De Craene, Edmond P.
De Craene, Edmond P., Fennema, and Cantalupo.
Dopp, Carl A., and Petrie.
Fennema, Richard.
Fredrickson, Edward A., Bolling and Zinkil.
Fredrickson, Edward A., and Turek.
Haklin, Michael J., Jr.
Hedberg, Albert F.
Peterson, Edgar M.
Crane Co., assignee: *See*—Continued.
Petrie, Engene C., and Trefil.
Schmidt, Edward G.
Scott, Andrew, and Amstutz.
Stone, Carl R., and Fredrickson.
Towner, Charles E.
Trefil, James.
Yant, Chester W.
Ziegler, Nicholas A., Meinhart, and Goldsmith.
Crane, Fred S., Euclid, Ohio. Selective system for use with thin strips or sheets of paper and using the same. 2,503,658, Apr. 11.
Crane, George R., Santa Monica, Calif., assignor to Western Electric Company, Incorporated, New York, N. Y. Film sound recording system. 2,505,528, Apr. 25.
Crane, Harold C., Toronto, Ontario, Canada. Elevator control. 2,521,568, Sept. 5.
Crane, James E., assignor to Foster Grant Co., Inc., Leominster, Mass. Ophthalmic mounting. 2,512,011, June 20.
Crane, Louis, Brooklyn, N. Y. Attachment for vehicle seats. 2,505,463, Apr. 25.
Crane Packing Company, assignee: *See*—
Brown, Edward K.
Hastings, Shirrel A.
Payne, Frank E.
Voytech, Charles F.
Crane, Walter, assignee: *See*—
Blankenship, Alma.
Crane, Walton B., assignor to Alpak, Los Angeles, Calif. Container. 2,515,151, July 11.
Crane, Webster O., assignor to Operadio Manufacturing Co., St. Charles, Ill. Electric siren. 2,500,063, Mar. 7.
Cranfill, Otis, Groesbeck, assignor of one-half to B. F. Weekley, Fort Worth, Tex. Dual flowing device. 2,531,258, Nov. 21.
Cranford Development Corporation, assignee: *See*—
Steinbach, Warner.
Crank, Carroll, Clarence, Mo. Removable ventilated rib for shotgun barrels. 2,496,854, Feb. 7.
Crankshaw, Hugh M., Moseley, Birmingham, England. Mast and spar of yachts and other craft. 2,519,230, Aug. 15.
Cranmer, Leonard S., and M. Ferreira, Alameda County, Calif. Egg cleaning device. 2,502,616, Apr. 4.
Cranston, William H., Cranston, R. I., assignor to Standard Plastics Company, Attleboro, Mass. Display tray. 2,501,379, Mar. 21.
Crapsey, Arthur H., Jr., and K. A. Van Dyck, assignors to Eastman Kodak Company, Rochester, N. Y. Strap end attaching device. 2,521,903, Sept. 12.
Crary, Jay D., assignor to Paper Strap, Inc., Portland, Oreg. Paper strap. 2,499,463, Mar. 7.
Crary, Jay D., Portland, Oreg. Paper fastener. 2,514,939, July 11.
Crary, Jay D., and H. M. Mathers, assignors to Paper Strap Inc., Portland, Oreg. Paperboard box. 2,527,705, Oct. 31.
Crary, Selden B.: *See*—
Mason, Charles R., Crary, and Kennedy.
Crater, Willard D., Newark, assignor to Hercules Powder Company, Wilmington, Del. Recovery of cyclotrimethylenetrinitramine. 2,535,350, Dec. 26.
Craton, Paul F., Long Beach, Calif. Control unit for motors with belt drives. 2,528,581, Nov. 7.
Craven, Claud C., Kansas City, Mo. Self-aligning hone or reamer drive for fitting piston pins. 2,522,749, Sept. 19.
Craven, Donald E.: *See*—
Myers, Robert B., and Craven.
Craven Ernest C., Hedon Hull, E. H. Harbard, Epsom Downs, and K. H. W. Tuerck, Banstead, England, assignors of one-half to The Distillers Company Limited, Edinburgh, Scotland, and one-half to British Industrial Solvents Limited, London, England. Concentration of acetaldol. 2,521,204, Sept. 5.
Craven, Kenneth C., Fitchburg, Mass., assignor to General Electric Company. Arc stud welding gun. 2,510,620, June 6.
Craven, Robert L., Westfield, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Formaldehyde polymers. 2,519,550, Aug. 22.
Craven, Walter S., Kremmling Colo. Detachable antislip device for footwear. 2,494,692, Jan. 17.
Craver, John K., Webster Groves, assignor to Monsanto Chemical Company, St. Louis, Mo. Polyvinyl chloride compositions. 2,502,370, Mar. 28.
Craver, Thomas W., executor: *See*—
Mirfield, George E., and Connor.
Craver, William C., Winston-Salem, N. C. Sign. 2,501,759, Mar. 28.
Cravis, William B., assignor to Quaker Maintenance Company, Inc., New York, N. Y. Fountain washing device. 2,526,119, Oct. 17.
Crawford, Charles W.: *See*—
Noll, Paul E., Crawford, Aller, and Rethey.
Crawford, Chester C.: *See*—
Sperberg, Lawrence R., and Crawford.
Crawford, Clinton W., Oak Lawn, Ill., assignor to General Electric Company. Cyclic burner safety control system. 2,519,889, Aug. 22.
Crawford Company, The, assignee: *See*—
Crawford, Nancy.

Crawford, Duffer B.: *See*—
Claitor, Lilburn C., and Crawford.
Roberts, Irving, and Crawford.
Crawford, Duffer B., assignor to Elliott Company, Jeannette, Pa. Gas purifying method and apparatus. 2,496,380, Feb. 7.
Crawford, Duffer B., assignor to Elliott Company, Jeannette, Pa. Method and apparatus for separating mixed gases. 2,526,996, Oct. 24.
Crawford, Duffer B., assignor to Elliott Company, Jeannette, Pa. Gas purifying apparatus. 2,535,351, Dec. 26.
Crawford, Frank T., Waipahu, Oahu, Hawaii. Sugar cane cleaning method and apparatus. 2,533,357, Dec. 12.
Crawford, Franzo H., Williamstown, Mass., and M. D. Hare, Chicago, Ill., assignors to the United States of America as represented by the Secretary of War. Tunable magnetron. 2,505,529, Apr. 25.
Crawford, Hulon L., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Hard film corrosion preventive. 2,500,120, Mar. 7.
Crawford, James C., Jr., White Plains, assignor to Johns-Manville Corporation, New York, N. Y. Insulating material. 2,520,914, Sept. 5.
Crawford, James H.: *See*—
Davidson, John T., Ganger, Crawford, and Sadgebury.
Davidson, John T., Williams, Ganger, and Crawford.
Crawford, John T., assignor to Towmotor Corporation, Cleveland, Ohio. Load pusher for industrial trucks. 2,496,039, Jan. 31.
Crawford, John W. C., Welwyn Garden City, and E. R. Wallsgrove, Leamington Spa, England, assignors to Imperial Chemical Industries Limited. Production of fluoroacetic acids. 2,506,068, May 2.
Crawford, Joseph, Washington, D. C. Dialing aid for dial telephones. 2,520,834, Aug. 29.
Crawford, Joseph W., Boonton, N. J., assignor to Textile Machine Works, Wyomissing, Pa. Yarn conditioning apparatus for knitting machines. 2,522,211, Sept. 12.
Crawford, Madison L., Battle Creek, assignor to Clark Equipment Company, Buchanan, Mich. Pallet construction. 2,506,346, May 2.
Crawford, Nancy, assignor to The Crawford Company, Mattoon, Ill. Sandal with overlapping side and end panels. 2,513,005, June 27.
Crawford, Raymond F., Steubenville, Ohio. Air heater with solid fuel and fluid fuel burning furnaces arranged in tandem. 2,525,400, Oct. 10.
Crawford, Richard A., and G. C. Rogers, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Heat-resistant tire curing bag. 2,519,231, Aug. 15.
Crawford, Robert B. P., Kansas City, Mo. Solution concentrating apparatus. 2,535,008, Dec. 19.
Crawford, William L., Plainfield, N. J. Coaster brake and freewheeling device. 2,509,628, May 30.
Crawley, Charles H.: *See*—
Hufferd, George H., and Crawley.
Crawley, William P., Chester, Pa., assignor to American Viscose Corporation, Wilmington, Del. Knitted structure and producing said structure. 2,529,541, Nov. 14.
Crawshaw, Harry: *See*—
Finlayson, Donald, and Crawshaw.
Crawshaw, Harry, London, England, assignor, by mesne assignments, to Celanese Corporation of America. Woven fabric. 2,494,646, Jan. 17.
Crea, George J., Fenn, Idaho. Briquetting machine. 2,507,491, May 16.
Cream City Boiler Company, assignee: *See*—
Webb, Arthur B.
Creamery Package Mfg. Company, The, assignee: *See*—
Duer, John E.
Franz, Henry H.
Credland, Frederick R.: *See*—
Davey, Edward L., and Credland.
Creech, Hasell E., Orangeburg, S. C., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Combination regular and test connector for automatic telephone systems. 2,515,696, July 18.
Creed and Company Limited, assignee: *See*—
Mason, Frederick P.
Munck, Leslie S.
Salmon, Reginald D.
Thompson, Alfred E.
Creek, John O.: *See*—
Marchant, Lawrence E., Hall, and Creek.
Creek, John O., Brampton, Ontario, Canada. Pressure fluid coupling. 2,502,206, Mar. 28.
Creekmore, Rufus, assignee: *See*—
Hearn, Benjamine F., Crowder, and Valentine.
Creel, Ernest S., Houston, Tex. Drill bit. 2,498,251, Feb. 21.
Creeley, John R., Clayton, N. J. Ball feeder. 2,528,341, Oct. 31.
Creely, Joseph W.: *See*—
Angus, Everett N., Creely, and Fischer.
Creighton, Martha Mabel: *See*—
Fox, Herman H. and Creighton.
Creitz, Elmer C., Beloit, Kans., assignor to the United States of America as represented by the Secretary of Commerce. Stove. 2,502,434, Apr. 4.
Crell, Willy F., Cleveland, Ohio. Air-heating furnace for alternative forced and convection air flows. 2,532,089, Nov. 28.
Cremer, Frits, Montclair, N. J., and S. Steinitz and J. R. Manheimer, New York, N. Y., said Cremer and said Steinitz assignors to said Manheimer. Method of and apparatus for testing objects made of insulating material. 2,503,803, Apr. 11.
Cremieux George V., Orange, N. J. Automatic tablet counting and bottle filling machine. 2,523,098, Sept. 19.
Cremins, William: *See*—
Tichenor, Edwin L., and Cremins.
Crenshaw, William F., Lafayette, La. Double piston valveless pump or engine. 2,495,445, Jan. 24.
Cresale Incorporated, assignee: *See*—
Mitchell, August.
Crescent Manufacturing Company, assignee: *See*—
Forsberg, Hjalmer E.
Cresci, Anthony L., Vineland, N. J. Dump truck. 2,494,377, Jan. 10.
Cresci, Anthony L., Vineland, N. J. Dump truck chute support. 2,535,841, Dec. 26.
Creson, William K., assignor to Ross Gear & Tool Company, La Fayette, Ind. Transmission control. 2,497,930, Feb. 21.
Creson, William K., assignor to Ross Gear & Tool Company, La Fayette, Ind. Steering post bearing. 2,509,587, May 30.
Cress, Melvin P., Mena, Ark. Dishwasher. 2,501,887, Mar. 28.
Cress, Ralph V., Syracuse, assignor to Penn Electric Switch Co., Goshen, Ind. Damping device for galvanometers and the like. 2,526,006, Oct. 17.
Cressey, Steve E., San Pedro, Calif. Undercutting drill. 2,495,509, Jan. 24.
Cresswell, Arthur, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Treatment of spinnerettes. 2,515,697, July 18.
Cresswell, Arthur, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Compositions comprising an acrylonitrile polymerization product and a cyanoalkylaminoacetonitrile. 2,517,544, Aug. 8.
Cresswell, Arthur, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Polymeric compositions and preparing the same. 2,533,224, Dec. 12.
Crest Silver Mfg. Co. Inc., assignee: *See*—
Shatkin, Sidney.
Cretin, George J., Cluny, Alberta, Canada. Fishhook. 2,501,210, Mar. 21.
Cretors, Charles J., Highland Park, Ill. Elevator mechanism. 2,528,265, Oct. 31.
Creutz, Edward S.: *See*—
Shank, Walter B., Gurinsky, and Creutz.
Creveling, Anna W., executrix: *See*—
Creveling, John L.
Creveling, John L., deceased, near Tucson, Ariz.; A. W. Creveling, executrix. Electric regulation operated switch. 2,523,752, Sept. 26.
Crew, Ernest W.: *See*—
Webster, Rockwell L., and Crew.
Crew, Fred W.: *See*—
Carlson, Artie C., and Crew.
Crewdson, Henry, Chester County, Pa., assignor to American Viscose Corporation, Wilmington, Del. Apparatus for fluid treatment of artificial filaments and threads. 2,499,464, Mar. 7.
Crewe Manufacturing & Tool Co., assignee: *See*—
Crewe, Samuel.
Crewe, Samuel, East Cleveland, assignor to Crewe Manufacturing & Tool Co., Cleveland, Ohio. Ratchet mechanism for calking guns. 2,534,857, Dec. 19.
Crews, Julia B., assignee: *See*—
Prout, Elmer W.
Crews, Lowell T., assignor to Armour and Company, Chicago, Ill. Cyanoether esters of dihydric alcohols. 2,495,214, Jan. 24.
Cribben and Sexton Company, assignee: *See*—
Mendel, Leo E.
Nelson, James A., and Port.
Port, Frederick J., Jr., Kamin, and Zaltzman.
Cri-Dan Societe a Responsabilite Limitee, assignee: *See*—
Castelli, Xavier F.
Crider, Thomas G.: *See*—
Fletcher, James L., Peglow, and Crider.
Criger, Glenn M., Riverside, Calif., assignor to Food Machinery and Chemical Corporation. Loose fruit lowerator. 2,506,779, May 9.
Criley, William W., Shaker Heights, assignor to The Ajax Manufacturing Company, Cleveland, Ohio. Control valve mechanism for clutches and brakes. 2,496,040, Jan. 31.
Criley, William W., Shaker Heights, assignor to The Ajax Manufacturing Company, Cleveland, Ohio. Stall relief for forging presses and the like. 2,535,842, Dec. 26.
Crimora Research & Development Corporation, assignee: *See*—
Jacobs, James H.
Koster, John.
Lloyd, Rex R.
McLaughlin, John J.
Criner, Harry J., assignor of one-half to A. G. Bush, Davenport, Iowa. Bread slicing machine having endless band knives. 2,524,310, Oct. 3.
Cripe, Earnest C., Goshen, Ind. Fitting. 2,526,937, Oct. 24.

Crippen, George B., Decatur, Ill. Troweling tool. 2,535,568, Dec. 26.
Cripps, Albert: *See*—
Wernig, James H., and Cripps.
Cripps, James M., Wharton, assignor to Danciger Oil & Refining Company, Fort Worth, Tex. Heating apparatus. 2,507,662, May 16.
Crise, George W., Columbus, Ohio. Thermostatic control for electrical heating elements. 2,499,906, Mar. 7.
Crise, George W., assignor to Crise Manufacturing Company, Columbus, Ohio. Electric motor for furnace regulators. 2,502,830, Apr. 4.
Crise, George W., Columbus, Ohio. Rotating vane parachute. 2,509,481, May 30.
Crise, George W., Columbus, Ohio. Thermostatic valve. 2,509,482, May 30.
Crise, George W., Columbus, Ohio. Hermetically sealed thermostatic switch. 2,519,025, Aug. 15.
Crise, George W., Columbus, Ohio. Solid fuel furnace having thermally controlled fuel and air supply means. 2,528,037, Oct. 31.
Crise, George W., Columbus, Ohio. Variable color density antiglare visor for motor vehicles. 2,528,038, Oct. 31.
Crise Manufacturing Company, assignee: *See*—
Crise, George W.
Crisp, Milton B., assignee: *See*—
Charles, Sinnet.
Crisp, Park P.: *See*—
Mason, John K., and Crisp.
Criss, Clarence C., Arkansas City, Kans. Static grounding device for vehicles. 2,524,163, Oct. 3.
Crist, A. Blair, assignee: *See*—
Shepard, Kelvin K.
Cristiani, Amedeo, Lake Placid, N. Y. Picture frame. 2,505,232. Apr. 25.
Cristiani, Luigi, Firenze, Italy. Device for four-color stereoscopic cinematography based on additional synthesis. 2,533,719, Dec. 12.
Cristopher, Ludovic, Kansas City, Mo. Signaling device. 2,493,112, Jan. 3.
Criswell, Byron R., Lake Forest, Ill., assignor to Zenith Radio Corporation. Electrical switch. 2,493,185, Jan. 3.
Criswell, James L., Massillon, assignor to Republic Steel Corporation, Cleveland, Ohio. Crane hook lock nut. 2,493,282, Jan. 3.
Critchfield, Charles W., Alma, Ga. Pan-type liquid fuel burner for tobacco curers. 2,496,987, Feb. 7.
Critchfield, Robert M., and P. L. Schneider, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Generator control system. 2,498,793, Feb. 28.
Critchfield, Walter V., St. Albans, W. Va. Swivel base. 2,494,230, Jan. 10.
Criterion Bell & Specialty Co., Inc., assignee: *See*—
Bronson, Frederic L.
Critoph, David I.: *See*—
Lowber, Dapid D., Gradisar, and Critoph.
Crittenden, Eugene D., Petersburg, Va., assignor to Allied Chemical & Dye Corporation. Preparation of isopropyl amines. 2,504,807, Apr. 18.
Croce, Michele, Evanston, assignor to Certain-Teed Products Corporation, Chicago, Ill. Plastic composition materials and products made therefrom. 2,526,066, Oct. 17.
Crocella, Thomas, New York, N. Y. Illuminated license plate holder. 2,526,460, Oct. 17.
Crochet, Pierre, and R. E. Lambert, assignors to Societe Anonyme des Manufactures des Glaces & Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France. Melting glass by electricity. 2,531,612, Nov. 28.
Crocker, De Witt S., Springfield Gardens, N. Y. Curb inlet casting. Re. 23,205, Mar. 14.
Crocker, De Witt S., Springfield Gardens, N. Y. Road barricade. 2,517,982, Aug. 8.
Crocker, H. S., Co., Inc., assignee: *See*—
Leach, Thomas L.
Crocker, Harry, Inwood, N. Y. Bricklayer's plumb rule. 2,503,098, Apr. 4.
Crocker, J. Allen: *See*—
Smith, Nicholas M., Jr., and Crocker.
Crocker, John C., Ware Shoals, S. C., assignor, by mesne assignments, to The Bullard Clark Company, Danielson, Conn. Picker and picker stick and fastener therefor. 2,522,862, Sept. 19.
Crocker, William D., Suffield, Conn., assignor to American Bosch Corporation, Springfield, Mass. Impulse coupling. 2,508,497, May 23.
Crockett, Harold W., Berkeley, assignor to the Paraffine Companies, Inc., San Francisco, Calif. Moisture resistant covering material. 2,529,799, Nov. 14.
Crockett, Oscar, Boulder, Colo. Roping bit. 2,512,012, June 20.
Crockett, Robert E., Montclair, N. J., assignor to H. A. Brassert & Company, New York, N. Y. Recovery of asbestos from asbestos tailings. 2,500,154, Mar. 14.
Crockett, Thomas E., Corpus Christi, Tex. Foot operated air compressor. 2,516,371, July 25.
Croco, Carlton W.: *See*—
Rosenberg, Hans R., and Croco.
Terry, Daniel H., and Croco.
Crofoot, Charles E., Gear Corp., assignee: *See*—
Barron, John T.
Crofoot, John M., Mead, Wash. Baled hay loader. 2,525,870, Oct. 17.
Croft, Arthur C., Essex, Conn. Mailer. 2,522,256, Sept. 12.
Croft, Cyril M., Ocotlan, Mex., assignor to Celanese Corporation of America. Production of organic derivative of cellulose staple fibers by solvent dyeing mechanical crimping, and cutting in that order. 2,504,183, Apr. 18.
Croft, Cyril M., and T. S. Waller, Cumberland, Md., assignors to Celanese Corporation of America. Pad dyeing of cellulose derivative fabrics with an alcoholic solution followed by padding with an aqueous thiocyanate solution. 2,511,103, June 13.
Croft, John J., Sr., assignor to High Point Bending & Chair Company, Siler City, N. C. Multiple boring machine. 2,535,670, Dec. 26.
Crom, George C., Alamogordo, N. Mex. Actuating handle assembly for switches. 2,498,651, Feb. 28.
Crom, John M., Washington, D. C., assignor to Preload Enterprises, Inc. Pipe lining method and machine. 2,513,289, July 4.
Crom, John M., Washington, D. C., assignor to Preload Enterprises, Inc. Reinforced concrete structure. 2,522,165, Sept. 12.
Crome, Lester C., West Alexandria, assignor to The Dayton Malleable Iron Company, Dayton, Ohio. Gray iron castings. 2,515,822, July 18.
Crompton, George, Jr., Framingham, Mass. Shuttle check, picking mechanism, and parallel motion for looms. 2,525,776, Oct. 17.
Crompton & Knowles Loom Works, assignee: *See*—
Beatrice, Gabriel C.
Bergstrom, Carl P.
Blanchard, William A.
Brouwer, Benjamin W.
Cederlund, Albert.
Darwin, Clifford.
Dion, Raymond F., and Laraia.
Hemingway, Joseph J.
Hutchins, Allan S.
Johnson, Glenn D.
Kennedy, John T.
Kronoff, Clarence R.
Kronoff, Clarence R., and Peterson.
Le Blanc, Osias J., and Schedin.
Palmer, Albert, and Payne.
Peterson, George N.
Robb, Walter Y.
Sepavich, Victor F.
Turner, Richard G.
Wakefield, Walter H.
Whitin, Herbert A.
Cromwell, Harold J.: *See*—
Schneider, Paul L., Nighbert, and Cromwell.
Croname, Incorporated, assignee: *See*—
Ott, Ernest B.
Cronert, Rickard F., Enskede, assignor to Lumalampan Aktiebolag, Stockholm, Sweden. Electrode for electric discharge tubes. 2,521,451, Sept. 5.
Cronholm, Einar, assignor to F. V. Hasselblad, Goteborg, Sweden. Adjustable mount for camera diaphragms. 2,527,243, Oct. 24.
Cronholm, Fredrik N., Salt Lake City, Utah. Apparatus for curing ingrowing nails and infections caused by said ingrowing nails. 2,499,851, Mar. 7.
Cronk, Earle T.: *See*—
Carson, Arthur, and Cronk.
Cronstedt, Val, Malboro, and A. H. King, West Hartford, assignors to United Aircraft Corporation, East Hartford, Conn. Reduction gear unit. 2,496,857, Feb. 7.
Cronstedt, Val, Marlboro, W. H. Sprenkle, Andover, and A. Kalitinsky, Eageville, assignors to United Aircraft Corporation, East Hartford, Conn. Electrical restraining device for free-piston units. 2,501,030, Mar. 21.
Cronquist, Nils R., Hartsdale, assignor to Universal Bulb Corporation, Yonkers, N. Y. Display card. 2,513,456, July 4.
Cronvall, Lars P., Stockholm, and G. Winkler, Appelviken, Stockholm, Sweden, assignors to International Standard Electric Corporation, New York, N. Y. Regulated rectifier. 2,533,225, Dec. 12.
Crook, Arthur J. H., Havelock, assignor to Canada Needle and Fishing Tackle Company Limited, Toronto, Ontario, Canada. Hook to gut holder. 2,530,292, Nov. 14.
Crook, James L., South Wales, assignor of one-half to G. R. Sedita, Buffalo, N. Y. Combined cabin cruiser, trailer, and light freight trailer. 2,518,602, Aug. 15.
Crook, Louis H., assignor of sixty-five per cent to S. B. Pack, Washington, D. C. Electric distribution system. 2,533,920, Dec. 12.
Crook, William M.: *See*—
Wolf, Andrew J., Moller, and Crook.
Crooker, Robert M., assignor to Motorola, Inc., Chicago, Ill. Saw tooth voltage generator. 2,509,761, May 30.
Crooks, Earl G., Binghamton, assignor to Lestershire Spool and Manufacturing Company, Johnson City, N. Y. Unit bobbin construction. 2,499,268, Feb. 28.
Crooks, Harry M., Jr., M. C. Rebstock, J. Controulis and Q. R. Bartz, assignors to Parke, Davis & Company, Detroit, Mich. Triacyl nitrophenylpropaneaminodiols and preparation thereof. 2,514,376, July 11.

Crooks, Harry M., Jr., M. C. Rebstock, J. Controulis and Q. R. Bartz, assignors to Parke, Davis & Company, Detroit, Mich. 1-nitrophenyl, 2-amino, 1,3-propanediols. 2,514,377, July 11.

Crooks, Marcius L. : *See*—
Minnium, Byron B., and Crooks.

Crookston, Anthony J., Akron, Ohio. Shingling and rock lathing tool. 2,500,629, Mar. 14.

Crookston, Robert R., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Automatic weight control device. 2,534,700, Dec. 19.

Crosby, Edward A., Minneapolis, Minn. Number or letter carrying device. 2,510,331, June 6.

Crosby, Melvin A., and E. L. Luaces, Dayton, Ohio, assignors to The Dayton Rubber Company. Manufacturing wire cord. 2,500,523, Mar. 14.

Crosby, Murray G., Riverhead, N. Y., assignor to Radio Corporation of America. Receiver system. 2,513,786, July 4.

Crosby, Murray G., Riverhead, N. Y., assignor to Radio Corporation of America. Selectivity control system. 2,514,443, July 11.

Crosby, Murray G., Riverhead, N. Y., assignor to Radio Corporation of America. Angle modulated wave receiver. 2,519,890, Aug. 22.

Crosby, Murray G., Upper Montclair, N. J., assignor to Radio Corporation of America. Radio receiver noise muting circuit. 2,493,446, Jan. 3.

Crosby, Murray G., Upper Montclair, assignor to Boonton Radio Corporation, Boonton, N. J. Variable reactance. 2,521,694, Sept. 12.

Crosby, Murray G., Upper Montclair, N. J., assignor to Radio Corporation of America. Frequency-modulation distance finder. 2,522,863, Sept. 19.

Crosby, Murray G., Upper Montclair, N. J., assignor to Radio Corporation of America. Frequency modulation range finder. 2,528,119, Oct. 31.

Crose, Harvey L., Tulare, Calif. Side delivery rake mounting. 2,531,934, Nov. 28.

Crosland, Edward M., Culcheth, near Warrington, assignor to T. & T. Vicars Limited, Newton-le-Willows, England. Loop bridging structure for conveyers. 2,517,983, Aug. 8.

Crosley Broadcasting Corporation, assignee : *See*—
Hollis, James L.

Crosley Division, Avco Manufacturing Corporation, assignee : *See*—
Russell, William J.
Russell, William J., and Anderson.

Crosley Motors, Inc., assignee : *See*—
Klotsch, Paul.

Crosley, Walter M., Pittsburgh, Pa. Dump trailer. 2,506,139, May 2.

Crosman, Loring P., Darien, Conn., assignor to Remington Rand Inc., New York, N. Y. Pulse generator. 2,512,851, June 27.

Cross, Carroll N., Middleboro, Mass. Card mount. 2,517,535, Aug. 8.

Cross, Charles, assignor, by mesne assignments, to Lanagan and Hoke, Inc., Philadelphia, Pa. Apparatus for testing armatures. 2,504,395, Apr. 18.

Cross, Clint, assignor to W. C. Norris, Manufacturer, Inc., Tulsa, Okla. Forming pipe bends. 2,516,372, July 25.

Cross, Garrett P. S. : *See*—
Topham, Laurence E., and Cross.

Cross, Joseph A., Westerville, Ohio, assignor to Mojonnier Bros. Co. Apparatus used in the processing of fruit and vegetable juices and the like. 2,498,836, Feb. 28.

Cross, Joseph A., Westerville, Ohio, assignor to Mojonnier Bros. Co. Inc., Chicago, Ill. Refrigerating method and apparatus. 2,512,576, June 20.

Cross, Joseph A., Westerville, Ohio, assignor to Mojonnier Bros. Co. Removing oil from citrus fruit juices. 2,534,341, Dec. 19.

Cross, Mary F., executor : *See*—
Cross, Roy.

Cross, Robert C., Riverside, and W. Krauss, Oak Park, assignors to Sears, Roebuck and Co., Chicago, Ill. Textile flexing and abrasion tester. 2,519,551, Aug. 22.

Cross, Roy; M. F. Cross and First National Bank of Kansas City, executors of said R. Cross, deceased, assignors to Kansas City Testing Laboratory, Kansas City, Mo. Phosphoric acid. 2,493,915, Jan. 10.

Crossingham, James H., Mount Airy, N. C., assignor to Mount Airy Knitting Co. Diaper. 2,530,046, Nov. 14.

Crossland, Theodore K., Hialeah, Fla. Coaster brake. 2,493,227, Jan. 3.

Crossland, Theodore K., Hialeah, Fla. Magnetic clutch control means for coaster brakes. 2,528,039, Oct. 31.

Crossland, Theodore K., Minneapolis, Minn. Coaster brake. 2,517,847, Aug. 8.

Crossley, Alfred, assignee : *See*—
Elam, David L.

Crossley, Charles N., Riverside, and R. J. Gagen, Oak Park, assignors to Cory Corporation, Chicago, Ill. Preparing coffee beverage. 2,514,596, July 11.

Crossley, Moses L., Plainfield, P. F. Dreisbach and R. J. Turner, Somerville, and C. M. Hofmann, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y. 9-dialkylamino-5-arylamino [a] phenoxazines. 2,528,863, Nov. 7.

Crossley, Moses L., Plainfield, and R. J. Turner and P. F. Dreisbach, Somerville, N. J., assignors to American Cyanamid Company, New York, N. Y. 9-propylalkylamino-5-arylaminobenzo [a] phenoxazines. 2,528,862, Nov. 7.

Crossman, Theodore C., Wilkinsburg, and E. G. Mueller, Churchill, assignors to The American Brake Company, Swissvale, Pa. Brake rigging. 2,526,333, Oct. 17.

Croston, Clarence B., C. D. Evans, L. L. McKinney, and J. C. Cowan, Peoria, Ill., assignors to the United States of America as represented by the Secretary of Agriculture. Curing prolamine fibers with aldehyde in liquid organic medium. 2,524,042, Oct. 3.

Crot, André, North Hollywood, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Universal and slip joint. 2,511,495, June 13.

Crotty, Thomas A., Erie, Pa. Cable holder. 2,532,893, Dec. 5.

Crouch, Logan R., Jackson, Miss. Brazing and welding. 2,528,040, Oct. 31.

Crouch, Marshall F., assignee : *See*—
Steel, Claude G.

Crouch, Willie W. : *See*—
Lyon, Joseph P., Jr., and Crouch.
Schulze, Walter A., and Crouch.

Crouch, Willie W., Bartlesville, Okla., assignor to Phillips Petroleum Company. Mass polymerization. 2,506,857, May 9.

Crouch, Willie W., Bartlesville, Okla., assignor to Phillips Petroleum Company. Production of thiolesters. 2,509,483, May 30.

Crouch, Willie W., Bartlesville, Okla., assignor to Phillips Petroleum Company. Pelleting carbon black. 2,526,120, Oct. 17.

Crouch, Willie W., and L. D. Jurrens, Bartlesville, Okla., assignors to Phillips Petroleum Company. Coagulating a latex of a sulfur dioxide resin. 2,531,403, Nov. 28.

Crouse-Hinds Company, assignee : *See*—
Bissell, Carl H.
Bush, Harold L.
Livingston, John F.
Rock, Joseph, Jr.

Crouzet, Henri, Riorges, France. Winder. 2,524,121, Oct. 3.

Crowder, Alexander N., Bridgewater Township, Somerset County, N. J., assignor to Research Corporation, New York, N. Y. Protective device for electrical precipitators. 2,506,996, May 9.

Crowder, Paul C., Sahara Village, Utah. Sprinkler. 2,493,528, Jan. 3.

Crowder, Rowe S., assignee : *See*—
Hearn, Benjamine F., Crowder, and Valentine.

Crowder, Wiley K. : *See*—
McClure, Ralston H., Crowder, and Snell.

Crowe, John J., Westfield, N. J., assignor to Air Reduction Company, Incorporated. Method and apparatus for flame hardening and annealing. 2,495,055, Jan. 17.

Crowe, Stanley A., Seattle, Wash. Reminder slide for film-pack adapters. 2,503,547, Apr. 11.

Crowell, Gordon W., Glen Ridge, N. J., assignor to R. Willis, New York, N. Y. Power unit for shifting gears of marine engines. 2,534,002, Dec. 12.

Crowl, Louis A., and L. F. Gast, Baltimore, Md. Collapsible dagger for stabbing and opening oysters, etc. 2,516,618, July 25.

Crowley, George C. : *See*—
Spooner, David C., Jr., and Crowley.

Crowley, George C., Bridgeport, Conn., assignor to General Electric Company. Electric heating device and control therefor. 2,501,499, Mar. 21.

Crowley, George C., Bridgeport, Conn., assignor to General Electric Company. Switch to be built into a heating pad or similar device. 2,508,101, May 16.

Crowley, George C., Bridgeport, Conn., assignor to General Electric Company. Electric control device. 2,530,003, Nov. 14.

Crowley, Henry L., & Company, Inc., assignee : *See*—
Henderson, Ashland S., & Beidler.

Crowley, Henry L., South Orange, E. F. Mosthaf, Orange, and A. S. Henderson, Caldwell, N. J., said Mosthaf and said Henderson assignors to said Crowley. Fluid type attrition mill and separator. 2,521,000, Sept. 5.

Crowley, John A., Jr. : *See*—
Simpson, Thomas P., Payne, and Crowley.

Crowley, John A., Jr., New York, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated. Conducting gaseous reactions in the presence of a moving particle form solid. 2,508,993, May 23.

Crowley, John A., Jr., Scarsdale, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated. Regenerating spent contact mass materials. 2,506,545, May 2.

Crowley, Joseph A., North Arlington, assignor to Clover, Incorporated, Jersey City, N. J. Miniature bowling alley. 2,535,724, Dec. 26.

Crowley, Millard E., Elk Grove, assignor of twenty-four percent to W. C. Nichols, and twenty-five percent to W. H. Newlands, San Francisco, Calif. Hop-picking machine. 2,496,858, Feb. 7.

Crown Controls Company, Inc., assignee : *See*—
Dicke, Allen A.
Dicke, Allen A., Jr.
Muth, Wilhelm C.

Crown Cork Company Limited, The, assignee : *See*—
Armstrong, Norman F., and Twedell.

Crown Cork & Seal Company, Inc., assignee: *See*—
Cooper, William B., and Seabold.
Dennis, Stanley W.
Dennis, Stanley W., and Henschen.
Dunn, Joseph E.
Enkur, Edward M.
Enkur, Edward M., Pahl, and Lauve.
Glock, Charles E.
Warth, Albin H.
Wilckens, Eibe A.

Crown Cork Specialty Corporation, assignee: *See*—
Brookshier, James W.

Crown Fastener Corporation, assignee: *See*—
Morin, Louis H., and Gries.

Crown Iron Works Co., assignee: *See*—
Erickson, Ellsworth L.

Crown Machine and Tool Company, assignee: *See*—
Bohannon, George S.

Crown Zellerbach Corporation, assignee: *See*—
Bukowsky, Harry E.
Collard, Lewis L.
Holmberg, John A.
Swift, Frank H.

Crownover, Joseph W., Hartsdale, N. Y. Parallax correction lenticular screen arrangement for cooperable indicators movable in parallel planes. 2,520,758, Aug. 29.

Crownover, Joseph W., Hartsdale, and H. A. Pearson, Mount Vernon, assignors to The Sonotone Corporation, Elmsford, N. Y. Hearing aid amplifier. 2,528,498, Nov. 7.

Crowther, Albert F., F. H. S. Curd, and F. L. Rose, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Manufacture of biguanide derivatives. 2,508,376, May 23.

Crowther, George A., Manhasset, N. Y., assignor to The Sperry Corporation. Sine and cosine function voltage device. 2,507,890, May 16.

Croxall, Willard J.: *See*—
Fegley, Marian F., and Croxall.
Neher, Harry T., Croxall, and Kroeker.
Neher, Harry T., Kroeker, and Croxall.
Van Hook, John O., and Croxall.

Croxall, Willard J., Bryn Athyn, and J. O. Van Hook, assignors to Rohm & Haas Company, Philadelphia, Pa. Preparation of esters of cyclic acetalacetic acids. 2,500,155, Mar. 14.

Croxall, Willard J., Bryn Athyn, and M. F. Fegley, Mont Clare, assignors to Rohm & Haas Company, Philadelphia, Pa. Chlorination of alkoxy esters. 2,526,007, Oct. 17.

Croxall, Willard J., Bryn Athyn, and M. F. Fegley, Mont Clare, assignors to Rohm & Haas Company, Philadelphia, Pa. Preparation of trichloro ether esters. 2,526,008, Oct. 17.

Croxall, Willard J., Bryn Athyn, and L. R. Freimiller, assignors to Rohm & Haas Company, Philadelphia, Pa. Phenylmercaptoacrylates and phenylmercaptomaleates. 2,532,291, Dec. 5.

Croxall, Willard J., Bryn Athyn, and J. O. Van Hook, assignors to Rohm & Haas Company, Philadelphia, Pa. Producing esters of alkoxy carboxylic acids. 2,535,009, Dec. 19.

Croxall, Willard J., Bryn Athyn, and J. O. Van Hook, assignors to Rohm & Haas Company, Philadelphia, Pa. Transetherification of β-ether-substituted esters. 2,535,010, Dec. 19.

Croxall, Willard J., Bryn Athyn, and J. O. Van Hook, assignors to Rohm & Haas Company, Philadelphia, Pa. Formation of diether esters. 2,535,011, Dec. 19.

Croxall, Willard J., Bryn Athyn, and H. J. Schneider, assignors to Rohm & Haas, Philadelphia, Pa. Producing aldehydic acid ester acetals. 2,535,012, Dec. 19.

Crozier, Michael A., New York, N. Y. Removable towel bar structure. 2,501,317, Mar. 21.

Crucible Steel Company of America, assignee: *See*—
Hansen, John R.
Lombard, Eugene.
Murray, Carl J., and Lowe.
Payson, Peter.
Payson, Peter, Schempp, and Savage.

Cruikshank, Ross T., assignor of one-half to C. A. Anderson, Minneapolis, Minn. Power jack for pumps and the like. 2,534,428, Dec. 19.

Cruise, Alvis L., assignor of one-half to I. H. Dameron, Marshfield, Mo. Adjustable protector cap. 2,519,743, Aug. 22.

Crum, Stephen, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Stoker timer. 2,504,002, Apr. 11.

Crum, Stephen, Minneapolis, and H. W. Sandhoff, St. Louis Park, assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control apparatus. 2,493,476, Jan. 3.

Crumb, Charles F.: *See*—
Johnson, Arnold E. W., Baker, and Crumb.

Crumb, Helma K., administratrix: *See*—
Johnson, Arnold E. W., Baker, and Crumb.

Crummie, Marshall, assignee: *See*—
Porter, Hallie.

Crump, Elmo E.: *See*—
Baker, George H., and Crump.

Crump, Walter J.: *See*—
Hoffmann, Anton R., and Crump.

Crumrine, Chester W., assignor to Products Technicians, Inc., Rochester, N. Y. Receptacle kit. 2,526,602, Oct. 17.

Crumrine, Chester W., Irondequoit, N. Y., assignor, by mesne assignments, to Bell & Howell Company, Chicago, Ill. Film position indicator for cameras. 2,530,510, Nov. 21.

Crumrine, Chester W., Irondequoit Township, Monroe County, assignor, by mesne assignments, to L F C Corporation, Rochester, N. Y. Animal trap. 2,515,947, July 18.

Crumrine, Chester W., Rochester, assignor to International Business Machines Corporations, New York, N. Y. Ribbon feeding and reversing mechanism for typewriting machines. 2,531,872, Nov. 28.

Crumrine, Kenneth C.: *See*—
Herzog, Gerhard, and Crumrine.

Crumrine, Kenneth C., Bellaire, Tex., assignor to The Texas Company, New York, N. Y. Radiological well logging. 2,509,908, May 30.

Crumrine, Kenneth C., Bellaire, Tex., assignor to The Texas Company, New York, N. Y. Neutron detection. 2,512,769, June 27.

Crutcher-Rolfs-Cummings Company, assignee: *See*—
Cummings, James D.

Cruz, Mamerto M., Jr., assignor to American Viscose Corporation, Wilmington, Del. Rendering regenerated cellulose water-repellent. 2,519,232, Aug. 15.

Cruzan, Harold: *See*—
Warrick, Edward C., and Cruzan.

Cruze, John B., Highway Highlands, Calif. Framework to snap over electric light bulbs. 2,515,592, July 18.

Cryer, John, New Lenox, J. C. Owens, and R. J. F. Lee, Chicago, Ill., assignors to The Sherwin-William Company, Cleveland, Ohio. Preparation of pentaerythritol. 2,534,191, Dec. 12.

Crystal Waxing Company, The, assignee: *See*—
Kievit, Jasper.

Crystal-Flo Products Company, assignee: *See*—
Burgess, Archibald R.
Grow, Joseph A., Jr.
Thompson, Parke H.

Csencsics, Steve: *See*—
Surre, Milton S., and Csencsics.

C-Thru Ruler Company, assignee: *See*—
Suto, Paul A.

Cuban-American Sugar Company, The, assignee: *See*—
Swenson, Oscar J.

Cubbage, Thomas L., Borger, Tex., assignor to Phillips Petroleum Company. Removal of magnetic material from furfural. 2,498,794, Feb. 28.

Cube Steak Machine Co., assignee: *See*—
Spang, William F.

Cucchiara, Joseph: *See*—
Infranca, Jack, and Cucchiara.

Cuccia, Carmen L.: *See*—
Donal, John S., Jr., Brown, and Cuccia.
Donal, John S., Jr., Bush, and Cuccia.

Cuckler, Lee E., Philadelphia, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Resistance measuring apparatus. 2,528,342, Oct. 31.

Cudahy Packing Company, The, assignee: *See*—
Flint, Einar P., Miller, and Douglass.

Cudd, Herschel H., and E. J. Freeman, East Point, Ga., assignors to International Minerals & Chemical Corporation. Production of iron powder. 2,533,096, Dec. 5.

Cuddeback, Nelson C., Chicago Heights, Ill., assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,520,531, Aug. 29.

Cuddyre, Peter J., Jr.: *See*—
Bennett, Charles J., Christie, and Cuddyre.

Cudini, Roger G., Birmingham, assignor to Moynahan Bronze Company, Detroit, Mich. Deep drilling machine. 2,507,503, May 16.

Cudini, Roger G., Birmingham, assignor to Moynahan Bronze Company, Detroit, Mich. Deep drilling. 2,507,504, May 16.

Cudini, Roger G., Birmingham, Mich., assignor to Moynahon Bronze Company. Folding stool. 2,531,259, Nov. 21.

Cukier, Michel F., assignor to Pharma Chemical Corporation, New York, N. Y. Alkyd resins derived from cyclohexene oxide. 2,515,758, July 18.

Culbertson, John H., Princeton, N. J. Multijointed device. 2,496,519, Feb. 7.

Culbreath, Ernest F., Charlotte, N. C., assignor to Numo Machine and Engineering Company. Automatic spinning control. 2,503,099, Apr. 4.

Culkosky, Martin, Gary, Ind. Lathe control. 2,522,779, Sept 19.

Cull, Edwin L.: *See*—
Learned, Charles G., and Cull.

Cull, John W.: *See*—
Brown, Walter R., Lushbaugh, and Cull.

Cullen, John J., Brighton, Mass. Tube joining. 2,511,836, June 20.

Cullum, Bertram L., assignor of one-half to G. P. Hardin, Atlanta, Ga. Privy seat. 2,514,537, July 11.

Culnane, Charles H.: *See*—
Patterson, John A., and Culnane.

Culp, Benson V., West Mansfield, Ohio. Overhead carriage and hoist for milk cans. 2,520,238, Aug. 29.

Culpepper, Oliver G., Charlotte, N. C., Apparatus for removing impurities from air. 2,516,680, July 25.
Culver, James E., Chicago, Ill. Display stand base. 2,517,467, Aug. 1.
Culver, Merlyn M., and L. L. Duncan, Dayton, Ohio. Filler-cap mechanism. 2,534,003, Dec. 12.
Culver, William, Chicago, Ill. Assorting system. 2,527,244, Oct. 24.
Cumberland Case Co., assignee: *See*—
Swingle, Donald R.
Cumfer, Donald A., Elmhurst, assignor to United States Gypsum Company, Chicago, Ill. Loop controlled variable-speed drive. 2,535,352, Dec. 26.
Cummer-Graham Company, assignee: *See*—
Mackey, Joseph R.
Cumming, James M.: *See*—
Baker, Benjamin P., Ludwig, and Cumming.
Peterson, Alfred J. A., and Cumming.
Cumming, James M., Turtle Creek, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Fluid blast circuit breaker. 2,501,318, Mar. 21.
Cumming, James M., and S. H. Boden, Turtle Creek, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,534,901, Dec. 19.
Cummings, Ethel L. and M. M., St. Louis, Mo. Budget box. 2,504,305, Apr. 18.
Cummings, Harry G., New York, N. Y. Self-clinching nail. 2,501,664, Mar. 28.
Cummings, James D., assignor to Crutcher-Rolfs-Cummings Company, Houston, Tex. Pipe-bending machine. 2,500,980, Mar. 21.
Cummings, Leland W. T., Wyncote, assignor to Sun Oil Company, Philadelphia, Pa. Catalytic reaction apparatus. 2,512,562, June 20.
Cummings, Leland W. T., Wyncote, assignor to Sun Oil Company, Philadelphia, Pa. Catalytic reaction apparatus. 2,517,525, Aug. 1.
Cummings, Lloyd A., Glendale, Calif. Fingernail shield. 2,501,211, Mar. 21.
Cummings, Millard M.: *See*—
Cummings, Ethel L. and M. M.
Cummings, Orra J., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Drier feed distribution. 2,514,204, July 4.
Cummings, Roy W., Beverly, and G. F. C. Burke, Fairhaven, Mass., assignors to United States Shoe Machinery Corporation, Flemington, N. J. Article-forming system. 2,531,555, Nov. 28.
Cummings, William G., Tulsa, Okla. Dope brush. 2,496,381, Feb. 7.
Cummins Business Machines Corporation, assignee: *See*—
Bluemink, Gary G., and Beach.
Cummins, George A., San Francisco, Calif. Sectional fishing lure. 2,507,772, May 16.
Cunder, Joseph, East Orange, and F. J. Licata, West Caldwell, assignors to Nopco Chemical Company, Harrison, N. J. Aluminum stearate solution. 2,494,331, Jan. 10.
Cundiff, Winston H., Baton Rouge, La., assignor to Kaiser Aluminum & Chemical Corporation. Extraction of alumina from aluminous ores. 2,522,605, Sept. 19.
Cuneo, Joseph F.: *See*—
Doumani, Thomas F., and Cuneo.
Cuneo, Lawrence J., U. S. Navy. Optical projection system. 2,510,080, June 6.
Cuningham, Hugh R., Houston, Tex. Swivel joint. 2,525,652, Oct. 10.
Cunneen, John I., Welwyn Garden City, assignor to The British Rubber Producers Research Association, London, England. Manufacture of oil resisting rubbers. 2,506,997, May 9.
Cunningham, Arthur R., Detroit, Mich. Vehicle construction. 2,527,118, Oct. 24.
Cunningham, Arthur R., Detroit, Mich. Watering trough for livestock. 2,513,006, June 27.
Cunningham, Cecil, East Orange, N. J. Megaphone including mouth and earpieces. 2,496,988, Feb. 7.
Cunningham, David H., Haddonfield, N. J., assignor to Radio Corporation of America. Magnetic field structure for dynamic loud speakers and the like. 2,501,031, Mar. 21.
Cunningham, Edward P., Jr., New Rochelle, N. Y. Merchandise case. 2,496,619, Feb. 7.
Cunningham, Frederick G.: *See*—
Roberts, Edward S., Rinckhoff, and Cunningham.
Cunningham, George J., Indianapolis, Ind. Automatic clutch for motor bicycles. 2,529,919, Nov. 14.
Cunningham, George L., New York, N. Y., and F. Pretka, St. Paul, Minn., assignors to Diamond Alkali Company, Cleveland, Ohio. Preparation of sodium chlorite. 2,520,915, Sept. 5.
Cunningham, Gordon, East Rutherford, N. J., assignor to A. Kimball Company, New York, N. Y. Attaching price tags. 2,503,902, Apr. 11.
Cunningham, Gordon, East Rutherford, N. J., and J. E. Woods, Atlanta, Ga., assignors to A. Kimball Company, New York, N. Y. Apparatus for attaching price tags. 2,503,903, Apr. 11.

Cunningham, James J., Manhasset, N. Y., L. H. Larime, Royal Oak, and R. P. Nevin, Pontiac, Mich., assignors to The American Tobacco Company, New York, N. Y. Portable sound and picture reproducing apparatus. 2,517,387, Aug. 1.
Cunningham, James L., Kansas City, Mo. Valve. 2,498,396, Feb. 21.
Cunningham, James M.: *See*—
Brand, Samuel, Cunningham, and Bishop.
Cunningham, James M., Endicott, assignor to International Business Machines Corporation, New York, N. Y. Perforated record sensing device. 2,517,984, Aug. 8.
Cunningham, John P., assignor to Shell Development Company, San Francisco, Calif. Liquid antifreeze composition. 2,525,478, Oct. 10.
Cunningham, Lawrence E., Olympia, Wash. Hoze nozzle attachment. 2,505,101, Apr. 25.
Cunningham, Leslie B. C., deceased, Stanmore, H. Ford, J. W. Barnes, B. Sykes, M. Hancock, and B. W. Robinson, Farnborough; Barclays Bank Limited, London, administrator of said Cunningham, assignors, by mesne assignments, to Ferranti Limited, Hollinwood, England. Gyroscopically controlled gunsight. 2,527,245, Oct. 24.
Cunningham, Lewis L., Sherman Oaks, Calif. Burner control system. 2,504,964, Apr. 25.
Cunningham, Lewis L., Sherman Oaks, Calif. Burner control system. 2,524,377, Oct. 3.
Cunningham, Marion M., South Bend, Ind., assignor to United States Rubber Company, New York, N. Y. Flexible container. 2,505,348, Apr. 25.
Cunningham, Marion M., and G. P. McDowell, South Bend, Ind., assignors to United States Rubber Company, New York, N. Y. Collapsible fuel tank. 2,508,906, May 23.
Cunningham, Orval J., Evanston, Ill. Baby carriage attachment. 2,507,095, May 9.
Cunningham, Richard C., Buffalo, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electronic motor control system. 2,525,479, Oct. 10.
Cuno, Charles H., assignor to The Cuno Engineering Corporation, Meriden, Conn. Filter. 2,525,287, Oct. 10.
Cuno Engineering Corporation, The, assignee: *See*—
Ashton, Philip E.
Cuno, Charles H.
Kroll, Alfred J., and Bilger.
Cunow, Fred L., New York, N. Y. Receiver and transmitter telephone desk set. 2,501,212, Mar. 21.
Cupery, Martin E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Aqueous dispersion of ethylene polymers containing a salt of a polymeric amic acid. 2,496,989, Feb. 7.
Cupery, Martin E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Ammonium salt of polymeric N-hydroxymethyl amic acids and water-repellent compositions containing them. 2,504,003, Apr. 11.
Cupery, Martin E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Shrinkproofed wool and producing same. 2,526,637, Oct. 24.
Cupery, Martin E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Paper treated with formaldehyde and a polymeric polyamine. 2,526,638, Oct. 24.
Cupery, Martin E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymeric materials from formaldehyde and a hydrogenated butadiene-1,3-acrylonitrile copolymer. 2,526,639, Oct. 24.
Cupido, Piet M., B. O. M. Gall, J. L. H. Jonker, and A. J. W. M. van Overbeek, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Thermionic tube. 2,532,836, Dec. 5
Cupler, John A., II, Cumberland, Md. Grinding. 2,508,102, May 16.
Cupo, William J., Jersey City, N. J., assignor to Waldorf Paper Products Co., St. Paul, Minn. Carton and sealing the flaps thereof. 2,496,336, Feb. 7.
Curd, Francis H. S.: *See*—
Crowther, Albert F., Curd, and Rose.
Curd, Francis H. S., deceased, Blackley, Manchester, England, by M. R. Curd, executrix, Bramhall, and F. L. Rose, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Biguanide derivatives. 2,531,405, Nov. 28.
Curd, Francis H. S., J. K. Landquist, C. G. Raison, and F. L. Rose, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Quinoline derivatives. 2,497,347, Feb. 14.
Curd, Francis H. S., and F. L. Rose, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Biguanide compounds. 2,498,252, Feb. 21.
Curd, Francis H. S., and F. L. Rose, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Biguanide derivatives. 2,510,081, June 6.
Curd, Francis H. S., and F. L. Rose, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Biguanide compounds. 2,531,404, Nov. 28.
Curd, Muriel R., executrix: *See*—
Curd, Francis H. S., and Rose.
Cureton, Paul, Long Beach, Calif. Flatiron support mechanism. 2,528,821, Nov. 7.
Curl, Henry M., Columbus, Ohio, assignor to Curtiss-Wright Corporation. Tool. 2,514,121, July 4.

Curlee, Harvey P., Charlotte, N. C., assignor to Lance Inc. Sandwich making machine. 2,520,493, Aug. 29.
Curley, James P., Pittsburgh, Pa. Locomotive tire tongs. 2,509,484, May 30.
Curley, Morton B., Worthington, and J. Kilbourne, Bexley, Ohio, assignors, by mesne assignments, to The Jeffrey Manufacturing Company. Ventilator. 2,502,207, Mar. 28.
Curr, Alberta E.: *See*—
Curr, Chauncey R. and A. E.
Curr, Chauncey R. and A. E., San Diego, Calif. Nursery furniture. 2,524,099, Oct. 3.
Curran, Ernest, Flushing, N. Y. Bitstock. 2,515,759, July 18.
Curran, Frank M. J., assignor of one-half to V. C. Curran, Grand Rapids, Mich. Drawer or like receptacle. 2,499,299, Feb. 28.
Curran, John W., Natick, Mass., assignor to General Railway Signal Company, Rochester, N. Y. Coded track circuit signaling system for railroads. 2,499,728, Mar. 7.
Curran, Stanley T., Mountain Lakes, N. J., and W. J. Thayer, Arlington, Vt., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone substation apparatus. 2,511,622, June 13.
Curran, Vivian C., assignee: *See*—
Curran, Frank M. J.
Current, Ira B., U. S. Navy. Apparatus for the duplicating of index cards and the like for cross filing purposes. 2,496,272, Feb. 7.
Currie, Chester C., assignor to Dow Corning Corporation, Midland, Mich. Automobile polish. 2,523,281, Sept. 26.
Currie, Dugald, Des Moines, Iowa. Cornhusking mechanism. 2,497,298, Feb. 14.
Currie, Gilbert, Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Adjustable transversely engaging brake. 2,514,378, July 11.
Currie, Grover C., assignor to Dacam Corporation, Charlotte, N. C. Bottle carton. 2,529,725, Nov. 14.
Currie, Margaret F., Manhasset, N. Y. Hair curling device. 2,497,848, Feb. 21.
Currier, Carl J., assignor of one-half to H. H. Clute, Elmira, N. Y. Easy threading needle. 2,513,235, June 27.
Currier, Donald R.: *See*—
Knowland, Thomas M., and Currier.
Currier, Hiram D., Chicago, assignor of one-half to L. A. Bisson, Evanston, Ill. Ignition system analyzer. 2,508,498, May 23.
Currier, Leslie W., Jr., Kingston, N. H. Cooking machine. 2,510,866, June 6.
Currier, Leslie W., Jr., Kingston, N. H. Cooking machine. 2,532,894, Dec. 5.
Currivan, John F.: *See*—
Kimball, Wallace D., Currivan, and Mosley.
Currlin, Bernard, Toledo, Ohio. Lock nut. 2,502,642, Apr. 4.
Curry, Arthur V., San Francisco, Calif. Combination radio receiver and coin savings bank. 2,496,620, Feb. 7.
Curry, Herman H., Inverness, Fla. Induction generator. 2,497,114, Feb. 14.
Curry, Herman H., Inverness, Fla. Electrical machine for self-synchronous systems. 2,515,496, July 18.
Curry, Herman H., Morristown, N. J. Defrosting system. 2,492,970, Jan. 3.
Curry, Herman H., United States Coast Guard. Induction generator. 2,497,113, Feb. 14.
Curry, Herman H., United States Coast Guard. Self-synchronous system. 2,515,495, July 18.
Curry, John H., Viola, Mo. Watercraft. 2,534,812, Dec. 19.
Curry, Lucy A., La Crescenta, and A. M. Denegan, Los Angeles, Calif. Nursing bottle holder. 2,526,121, Oct. 17.
Curry, Maurene D., Dallas, Tex. Electrical incinerator. 2,534,953, Dec. 19.
Curry, Robert S., Jr., Baldwin, N. Y., assignor to The Sperry Corporation. Reversible alternating current electromotive apparatus. 2,519,356, Aug. 22.
Curry, Robert S., Jr., Baldwin, N. Y., assignor to The Sperry Corporation. Servomotor. 2,535,046, Dec. 26.
Curry, Watson F., St. Louis, Mo. Pickpocket trap. 2,522,606, Sept. 19.
Curtess, James H., Oklahoma City, Okla. Fishing pole holder. 2,526,067, Oct. 17.
Curtis, Cecil M., Prairie City, Ill. Making gymnasium floors fast. 2,518,290, Aug. 8.
Curtis, Charles G., New York, N. Y. Two-cycle multiple cylinder Diesel engine. 2,511,905, June 20.
Curtis, Clarence R., Lombard, assignor to F. H. Smith Manufacturing Company, Chicago, Ill. Decorative candleholder. 2,527,706, Oct. 31.
Curtis, Clarence R., Lombard, assignor to F. H. Smith Manufacturing Company, Chicago, Ill. Decorative candleholder. 2,527,707, Oct. 31.
Curtis, David, New York, N. Y. Levulinic acid salts of amino benzoates. 2,518,525, Aug. 15.
Curtis, Dean S., Los Angeles, Calif. Dispenser having a screw feed with terminal outlet and closure. 2,527,876, Oct. 31.
Curtis, Earl W., Bedford, Ohio. Lead pencil holder. 2,502,435, Apr. 4.
Curtis, Francis J., assignor to Monsanto Chemical Company, St. Louis, Mo. Polyvinyl acetal compositions. 2,506,014, May 2.
Curtis, Frank, Seattle, Wash. Hydraulic lifting jack. 2,503,659, Apr. 11.
Curtis, Franklin E., Willoughby, Ohio, assignor to Addressograph-Multigraph Corporation, Wilmington, Del. Plate positioning means in printing machines. 2,535,725, Dec. 26.
Curtiss, George E., Jr., Penn Wynne, assignor to Philco Corporation, Philadelphia, Pa. Door latch. 2,528,864, Nov. 7.
Curtis, George W., Wauwatosa, Wis. Torque dividing driving and control mechanism for vehicles. 2,529,489, Nov. 14.
Curtis, Harold B., Lake Forest, Ill. Star finder. 2,495,211, Jan. 24.
Curtis, John C., Claremont, N. H., assignor to Joy Manufacturing Company. Drilling apparatus. 2,500,931, Mar. 21.
Curtis, John C., Claremont, N. H., assignor to Joy Manufacturing Company, Pittsburgh, Pa. Rock drill bit. 2,502,128, Mar. 28.
Curtis, John C., and E. G. Gartin, Claremont, N. H., assignors to Joy Manufacturing Company. Drilling apparatus. 2,500,932, Mar. 21.
Curtis, John C., and E. G. Gartin, Claremont, N. H., assignors to Joy Manufacturing Company. Material unloading apparatus. 2,524,887, Oct. 10.
Curtis, Leslie F., Great Neck, and B. D. Loughlin, Bayside, N. Y., assignors to Hazeltine Research, Inc., Chicago, Ill. Frequency-modulation detector system. 2,498,253, Feb. 21.
Curtis, Myron S., assignor to The Warner & Swasey Company, Cleveland, Ohio. Machine tool. 2,519,117, Aug. 15.
Curtis, Myron S., and H. Schoepe, assignors to The Warner & Swasey Company, Cleveland, Ohio. Change-speed mechanism for machine tools. 2,504,306, Apr. 18.
Curtis, Myron S., Cleveland, and R. H. Clark, Solon, assignors to The Warner & Swasey Company, Cleveland, Ohio. Variable-speed mechanism. 2,519,118, Aug. 15.
Curtis, Newell H., assignor to Vermont Plastics, Inc., Montpelier, Vt. Clothespin. 2,526,810, Oct. 24.
Curtis, Norman S.: *See*—
Ransburg, Edwin M., and Curtis.
Ransburg, Harold P., and Curtis.
Curtis, Richard C., Short Hills, N. J., and S. J. Martin, Long Island City, assignors to Faximile, Inc., New York, N. Y. Exciter lamp operation. 2,496,273, Feb. 7.
Curtis, Rowland G., Dover, Ohio. Reinforcing ear for handle bails. 2,494,507, Jan. 10.
Curtis, Russell R., Dayton, Ohio, assignor, by mesne assignments, to Thompson Products, Inc. Pump entry vane construction. 2,494,086, Jan. 10.
Curtis, Stanley R., Toledo, Ohio. Holder for note paper. 2,504,654, Apr. 18.
Curtis, Thomas E.: *See*—
De Montmollin, James M., and Curtis.
Gussow, William A., and Curtis.
Curtis, Walter A., assignor to The Bishop & Babcock Manufacturing Company, Cleveland, Ohio. Forming tubes from tubular blanks. 2,522,257, Sept. 12.
Curtis, Wilbur R., Fresno, Calif. Trim and miter gauge for saw tables. 2,535,843, Dec. 26.
Curtiss, Frank R., New Haven, Conn. Magazine and feed means for stapling machines. 2,522,931, Sept. 19.
Curtiss, Leon F.: *See*—
Krasnow, Shelley, and Curtiss.
Curtiss-Wright Corporation, assignee: *See*—
Avondoglio, Leo.
Bender, Joseph A., and McKiernan.
Bowcott, Robert W.
Brady, George W.
Brady, George W., and Chillson.
Bucher, Edward S., and Elliott, Jr.
Chillson, Charles W., and Palmatier.
Curl, Henry M.
Cushman, Maurice E.
Dean, George A.
Donner, Verne P.
Focht, Harry P.
Gibson, David C., and Lemp.
Grandmont, Paul E.
Griese, Elmer G.
Griffin, Harry M.
Heller, Richard V.
Holt, Oscar E., and Swenson.
Jenny, Robert W.
Karnuth, Richard E., and Hume.
Kochenburger, Ralph J.
Kress, Ralph, and Griswold.
Lyons, Howard F.
Matthews, Arthur F.
Morris, Edward W.
Moyer, Edward L.
Palmatier, Everett P.
Poss, Harvey.
Schoenbaum, Joseph R.
Sheets, Jack H., and Cushman.
Smith, Clovis W., and Warner.
Speir, Godrey B., and Wehrle.
Statham, Louis D.
Steele, Frederick I., and Heath.
Steele, Frederick I., and Willis.
Steinberger, Arthur W.
Stulen, Foster B.

Curtiss-Wright Corporation, assignee—Continued
Swartzel, Karl D., and Frederick.
Tedrick, William V.
Tichenor, Edwin L., and Cremins.
Trimbach, Clem G., and Parkin.
Ulrich, Arthur E., Hume, Arcarese, and Steele.
Wishart, Herbert W.

Curzon, Thomas, assignor to C. A. V. Limited, London, England. Sound absorbing casing for noise emitting apparatus. 2,505,854, May 2.

Curzon, Thomas, assignor to C. A. V. Limited, London, England. Electric lamp holder for tubular lamps having pin contacts. 2,519,636, Aug. 22.

Curzon, Thomas, assignor to C. A. V. Limited, London, England. Electric circuit breaker and indicating device therefor. 2,534,107, Dec. 12.

Cusano, Paul, Hasbrouck Heights, N. J. Billiard type game board. 2,526,334, Oct. 17.

Cusano, Paul, Union City, N. J. Board leveling mechanism. 2,493,620, Jan. 3.

Cusano, Paul, Union City, N. J. Scoreboard. 2,512,197, June 20.

Cusenbary, William R., Sonora, Tex. Tree grubber. 2,506,662, May 9.

Cushing, Gregory P., Chicago, Ill. Gas compressor. 2,514,224, July 4.

Cushing, Philbrook, Morristown, assignor to Aircraft Radio Corporation, Boonton, N. J. Frequency meter. 2,510,381, June 6.

Cushion Grip National, assignee: *See*—
Williams, Ivan A.

Cushman Chuck Company, The, assignee: *See*—
Sloan, Harry E.

Cushman, Edward S., Sands Point, N. Y. Garment supporter. 2,503,804, Apr. 11.

Cushman, Maurice E.: *See*—
Sheets, Jack H., and Cushman.

Cushman, Maurice E., Verona, N. J., assignor to Curtiss-Wright Corporation. Variable pitch propeller. 2,514,477, July 11.

Cushman, Maurice E., Verona, N. J., assignor to Curtiss-Wright Corporation. Variable pitch propeller. 2,533,358, Dec. 12.

Cushman, Walton W., Webb City, Mo. Litter rack. 2,520,128, Aug. 29.

Cushman, Walton W., Webb City, Mo., and S. Koren, Silver Spring, Md.; said Koren assignor to the United States of America as represented by the Secretary of War. Apparatus for testing balls. 2,517,545, Aug. 8.

Cusic, John W., Skokie, assignor to G. D. Searle & Co., Chicago, Ill. 8-haloxanthine salts of diarylalkyl dialkylaminoalkyl ethers. 2,499,058, Feb. 28.

Cusic, John W., assignor to G. D. Searle & Co., Skokie, Ill. Amino cyclohexyl ethers. 2,508,499, May 23.

Cusic, John W., assignor to G. D. Searle & Co., Skokie, Ill. Hydroxyalkylaminoalkyl phenothiazine derivatives and the production thereof. 2,512,520, June 20.

Cusic, John W., assignor to G. D. Searle & Co., Skokie, Ill. Basic fluorenyl ketones and carbinols and the function thereof. 2,527,798, Oct. 31.

Cusic, John W., assignor to G. D. Searle & Co., Skokie, Ill. Diarylmethyl ethers of amino alkanols. 2,532,292, Dec 5.

Cusic, John W., Skokie, assignor to G. D. Searle & Co., Chicago, Ill. 8-haloxanthine salts of dialkylaminoalkyl type antihistamine bases. 2,534,235, Dec. 19.

Cusic, John W., Skokie, assignor to G. D. Searle & Co., Chicago, Ill. 8-haloxanthine salts of dialkylaminoalkyl o-benzylphenyl ethers and the production thereof. 2,534,236, Dec. 19.

Cusic, John W., Skokie, assignor to G. D. Searle & Co., Chicago, Ill. 8-haloxanthine salts of aminoalkyl phenothiazines and the production thereof. 2,534,237, Dec. 19.

Cusic, John W., Skokie, assignor to G. D. Searle & Co., Chicago, Ill. 8-haloxanthine salts of α-phenyl-α-2-pyridylalkyl dialkylaminoalkyl ethers and the production thereof. 2,534,238, Dec. 19.

Cusic, John W., Skokie, assignor to G. D. Searle & Co., Chicago, Ill. 8-haloxanthine salts of diarylalkyamines and the production thereof. 2,534,239, Dec. 19.

Cusic, John W., Skokie, assignor to G. D. Searle & Co., Chicago, Ill. 8-haloxanthine salts of N,N-dialkyl-N'-pyridyl-N'-thenylalkylenediamines and the production thereof. 2,534,240, Dec. 19.

Cusic, John W., Skokie, assignor to G. D. Searle & Co., Chicago, Ill. 8-haloxanthine salts of N,N-dialkyl-N'-aryl-N'-thenyl-ethylenediamines. 2,534,241, Dec. 19.

Cusic, John W., Skokie, assignor to G. D. Searle & Co., Chicago, Ill. 8-haloxanthine salts of 2-alkyl-9-phenyl-2,3,4,9-tetrahydro-1-pyridindenes and the production thereof. 2,534,242, Dec. 19.

Cusic, John W., Skokie, assignor to G. D. Searle & Co., Chicago, Ill. 8-haloxanthine salts of 1-aryl-1-pyridyl-3-dialkylaminoalkanes and the production thereof. 2,534,243, Dec. 19.

Cusic, John W., Skokie, assignor to G. D. Searle & Co., Chicago, Ill. 8-haloxanthine salts of 2-(phenyl-benzyl-amino-methyl) imidazoline and the production thereof. 2,534,244, Dec. 19.

Cusic, John W., Skokie, assignor to G. D. Searle & Co., Chicago, Ill. 8-haloxanthine salts of 3'-dialkylaminomethyl-4,5,6-trihydroxybenzo-(1,2)-furan-1'-(3')-ones. 2,534,245, Dec. 19.

Cusic, John W., Skokie, assignor to G. D. Searle & Co., Chicago, Ill. 8-haloxanthine salts of N,N-dialkyl-N'-arylmethyl-N'-pyrimidyl-alkylenediamines and preparing same. 2,534,246, Dec. 19.

Cusic, John W., Skokie, assignor to G. D. Searle & Co., Chicago, Ill. 8-haloxanthine salts of 1-diarylmethyl-4-alkylpiperazine. 2,534,247, Dec. 19.

Cusic, John W., Skokie, assignor to G. D. Searle & Co., Chicago, Ill. 8-haloxanthine salts of cyclic-aminoalkyl benzohydryl ethers and the production thereof. 2,534,813, Dec. 19.

Cusick, Arthur, Youngstown, Ohio. Mounting and operating means for Venetian blinds. 2,521,151, Sept. 5.

Custance, Douglas A., Royal Oak, Mich., assignor to Columbus Metal Products, Inc., Columbus, Ohio. Pilot structure for vaporizing burners. 2,513,551, July 4.

Custer, Harrold M., assignee: *See*—
Ross, Frank E.

Custer, Kenneth G., assignor to The Gates Rubber Company, Denver, Colo. Belt. 2,511,330, June 13.

Custer, Vincent L., Eau Claire, Wis. Guide for barn cleaner conveyers. 2,499,212, Feb. 28.

Custer, Willard R., Hagerstown, Md. Airplane with high-lift channeled wings. 2,510,959, June 13.

Custer, Willard R., Hagerstown, Md. Channel wing airplane. 2,514,478, July 11.

Custer, Willard R., Hagerstown, Md. Multiple channel wing airplane. 2,532,481, Dec. 5.

Custer, Willard R., Hagerstown, Md. Boundary layer remover for airplanes. 2,532,482, Dec. 5.

Custin, Thomas G.: *See*—
Sutter, Walter E., and Custin.

Custot, Francois: *See*—
Gailliot, Paul, and Custot.

Cutaia, Samuel J., Houston, Tex. Garment hanger support and card holder. 2,524,427, Oct. 3.

Cutler, Barney, New Haven, Conn. Holder for toothpaste or the like. 2,535,671, Dec. 26.

Cutler, Cassius C., Oakhurst, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Directive antenna system. 2,518,526, Aug. 15.

Cutler-Hammer, Inc., assignee: *See*—
Charbonneau, Allan P.
Cox, Irvin W.
Douglas, John F. H., Pell, and Seeger.
Drugmand, Lester D.
Drugmand, Lester D., and Hampe.
Elliot, William H.
Fath, Douglas W.
Heller, Herbert E.
Heller, Herbert E., and Kuhn.
Hodgson, Howard E.
Hunter, Richard B., and Mekelburg.
Jochem, Theodore B.
Jochem, Theodore B., Seeger, and Severson.
Jones, Jesse E.
Kaufmann, Fred H.
Krieger, Alvin W.
Kuhn, Clarence W.
Kuhn, Clarence W., and Rosing.
Lexa, George J.
Mekelburg, Harold L.
Newman, John M., and Seeger.
Pell, Eric.
Pouchnik, Lawrence J., and Welch.
Robbins, Clyde F.
Seeger, Edwin W., and Schmitz.
Swinehart, Merle R.
Welch, Jerome B.

Cutler, Ralph H., Morristown, N. J., assignor to Raycrest Mills, Inc., New York, N. Y. Fabric. 2,501,213, Mar. 21.

Cutler, Royal A.: *See*—
Surrey, Alexander R., and Cutler.

Cuttat, Georges E., Geneva, Switzerland, assignor to Manufacture de Machines du Haut-Rhin, Haut-Rhin, France. Lathe control movement. 2,493,621, Jan. 3.

Cuttat, Georges E., Geneva, Switzerland, assignor to Manufacture De Machines Du Haut-Rhin, Haut-Rhin, France. Two-speed drive for lathe camshafts. 2,493,738, Jan. 10.

Cuttat, Georges E., Geneva, Switzerland, assignor to Manufacture de Machines du Haut-Rhin. Threading apparatus for automatic lathes. 2,511,196, June 13.

Cuttat, Georges E., Geneva, Switzerland, assignor to Manufacture de Machines du Haut-Rhin, Haut-Rhin, France. Adjustment device for female clutch cones in coupling for drive in automatic lathes. 2,519,026, Aug. 15.

Cuttat, Georges E., Geneva, Switzerland, assignor to Manufacture de Machines du Haut-Rhin, Haut-Rhin, France. Automatic lathe. 2,530,813, Nov. 21.

Cutter, Fred A.: *See*—
Butler, William F., and Cutter.

Cutter Laboratories, assignee: *See*—
Butler, William F., and Cutter.

Cutter, Paul R.: *See*—
Simpson, Norman H., and Cutter.

Cutting, Irving E.: *See*—
Holbrook, Frederic L., and Cutting.

Cutting Room Appliances Corporation, assignee: *See*—
Gilbert, Herman W.
Gilbert, Herman W., Dexter, and Deichmann.

Cuttino, William H., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Automatic switching system. 2,534,902, Dec. 19.
Cuypers, Michael V., New York, N. Y. Molding hollow concrete blocks. 2,498,513, Feb. 21.
Cymmer, Thomas, Jersey City, N. J. Moistureproof construction for shafts. 2,497,867, Feb. 21.
Cyphers, Elmer B.: *See*—
McNulty, George M., and Cyphers.
Mikeska, Louis A., and Cyphers.
Cyphers, Elmer B., Cranford, N. J., assignor to Standard Oil Development Company. Extreme pressure lubricants. 2,494,332, Jan. 10.
Cyphers, Elmer B., Cranford, N. J., and L. J. Osborne, Jr., Brooklyn, N. Y., assignors to Standard Oil Development Company. Lubricants and extreme pressure additives therefor. 2,498,628, Feb. 28.
Cyr, Benjamin, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Throttle device. 2,515,948, July 18.
Cyr, Theodore J., assignee: *See*—
Shoemaker, Austin D.
Daane, Adrian H.: *See*—
Carter, James H., and Daane.
Dabbs, Lucian R., Quincy, and L. R. Palmer, Amory, Miss. Rolling cotton chopper. 2,504,004, Apr. 11.
Dabbs, Lucian R., Quincy, and L. R. Palmer, Amory, Miss. Rolling tractor supported cotton chopper. 2,517,288, Aug. 1.
Dabrohua, Castro M., Winnetka, Ill. Dishwashing device. 2,514,225, July 4.
Dabrowski, Theodore J.: *See*—
Mantell, Charles L., and Dabrowski.
Dacam Corporation, assignee: *See*—
Currie, Grover C.
Dacar Chemical Products Company, assignee: *See*—
Napier, Anthony J., and Lesso.
Dach, Max, Flushing, N. Y. Brake drum. 2,505,031, Apr. 25.
Dach, Max, Flushing, N. Y. Safety control. 2,527,177, Oct. 24.
Daco Metal Products, assignee: *See*—
Marvin, Stanley, and Orth.
Daddona, Anthony J., assignor to Hardinge Brothers, Inc., Elmira, N. Y. Feed chuck. 2,530,568, Nov. 21.
Daddona, Anthony J., assignor to Hardinge Brothers, Inc., Elmira, N. Y. Separating the spring fingers of feed chucks. 2,530,569, Nov. 21.
Daderko, John: *See*—
Daderko, Michael, Sr., Lisella, and Daderko.
Daderko, Michael, Sr., and R. A. Lisella, Summit Hill, and J. Daderko, Coaldale, Pa. Saw set. 2,519,744, Aug. 22.
Dadisman, Harry A., Wichita, Kans. Shoe with channel members embedded in sole. 2,509,335, May 30.
Dady, Arthur O., Flossmoor, assignor to Sears, Roebuck and Co., Chicago, Ill. Stoker apparatus, including a uniformly increasing pitch feed screw. 2,507,245, May 9.
Dafforn, Kenneth B., and R. I. Huffman, Dover, Ohio, assignors, by mesne assignments, to Knapp-Monarch Company, St. Louis, Mo. Steam iron with movable boiler. 2,512,054, June 20.
Daggett, Byron G., San Diego, Calif. Apparatus for cutting teeth in hand saws. 2,514,567, July 11.
Daggett, Dewey E., assignee: *See*—
Pratt, Edward R.
Daggett, George W., Meadville, Pa. Power mower unit. 2,507,758, May 16.
Daggon, John J., assignee: *See*—
Cline, Harold A.
Dague, Alvie B. C., and J. W. Myers, Bartlesville, Okla., assignors to Phillips Petroleum Company. Process and catalyst for dehydrogenation of hydrocarbons. 2,500,920, Mar. 21.
Dahl, Carl P., assignor of The Parker Appliance Company, Cleveland, Ohio. Valve assembly. 2,533,921, Dec. 12.
Dahl, Elis G., New York, N. Y. Steam iron with wetting strip. 2,530,116, Nov. 14.
Dahl, Hilmer, assignor to Wm. W. Nugent & Co., Inc., Chicago, Ill. Method of and apparatus for tamping waste in filter cartridges. 2,521,833, Sept. 12.
Dahl, Laurence S.: *See*—
Berdis, Albert J., and Dahl.
Dahl, Ralph T., Portland, Oreg. Liner for mess kit covers. 2,531,671, Nov. 28.
Dahlbäck, Sven H.: *See*—
Larsson, Torsten V., and Dahlbäck.
Dahlberg, Carl, Duluth, Minn. Garment hanger track. 2,507,853, May 16.
Dahlberg, Robert S., Jr., Caracas, Venezuela, assignor to Standard Oil Development Company. Seismic wave transmitter. 2,522,433, Sept. 12.
Dahlgren, Einer W., assignee: *See*—
Mitchell, Harry A.
Dahlin, John, Minneapolis, Minn. Wall construction. 2,530,940, Nov. 21.
Dahline, Lawrence J., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electronic amplifier. 2,522,348, Sept. 12.
Dahlman, Verner, New Lenox, Ill., assignor to American Air Filter Company, Inc., Louisville, Ky. Electrical gas cleaner unit. 2,502,560, Apr. 4.
Dahlman, Verner, New Lenox, Ill., assignor to American Air Filter Company, Inc., Louisville, Ky. Automatic electrostatic filter for furnaces. 2,522,568, Sept. 19.
Dahlquist, Carl A., St. Paul, J. O. Hendricks, White Bear Lake, and W. E. Sohl, Birchwood, assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Liners and adhesive tapes having low adhesion polyvinyl carbamate coatings. 2,532,011, Nov. 28.
Dahlstedt, Fyr H., Nasaker, Sweden. Cap. 2,501,760, Mar. 28.
Dahlström, Gottfrid O. A., assignor to Aktiebolaget Slipmaterial-Naxos, Vastervik, Sweden. Sawing stones and a device for carrying out the same. 2,522,999, Sept. 19.
Dahm, Cornelius G., Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Seismic prospecting method. 2,503,904, Apr. 11.
Daiger, George P., Canton, assignor to The Hoover Company, North Canton, Ohio. Electric toaster. 2,527,708, Oct. 31.
Daigle, Earl C., Beaumont, Tex., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Deodorizing refined petroleum oils and waxes. 2,498,201, Feb. 21.
Dailey, Charles G.: *See*—
Villane, Michael P., Dailey, and Wisentaner.
Dailey, Donald E.: *See*—
Myers, Joseph W., and Dailey.
Dailey, Edward L., Priest River, Idaho. Gutter drain. 2,516,961, Aug. 1.
Dailey, Francis N., Rockville, assignor to Hartford-Empire Company, Hartford, Conn. Tongs for forehearth skimmer blocks and the like. 2,533,770, Dec. 12.
Dailey, Hampton J., Verona, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electron discharge device having a radiator integrated therewith. 2,512,143, June 20.
Dailey, Joseph P.: *See*—
Busse, Warren F., and Dailey.
Dailey, Lawrence A., Elizabeth, and E. A. Erickson, Clairton, Pa. Automatic billet stamper. 2,532,540, Dec. 5.
Dailey, Lewis A., assignor to The Bell Machine Company, Oshkosh, Wis. Control device for machine tools. 2,500,933, Mar. 21.
Dailey, Manvel C., Elmhurst, and J. R. Parsons, assignors to United States Gypsum Company, Chicago, Ill. Metal-casting molds and processes and materials for producing the same. 2,529,835, Nov. 14.
Dailey, William H., Jr., Library, Pa., assignor to Carnegie-Illinois Steel Corporation. Annealing. 2,504,808, Apr. 18.
Dailey, William H., Jr., Library, Pa., assignor to Carnegie-Illinois Steel Corporation. Annealing stand construction. 2,504,809, Apr. 18.
Dailey, William H., Jr., Library, Pa., assignor to Carnegie-Illinois Steel Corporation. Apparatus for annealing. 2,504,810, Apr. 18.
Dailey, William H., Jr., Library, Pa., assignor to Carnegie-Illinois Steel Corporation. Gas drier. 2,535,902, Dec. 26.
Dailey, William H., Jr., Library, and E. A. Di Nucci, Pittsburgh, Pa. Conveyer roll for heated strips or the like. 2,497,154, Feb. 14.
Daily, Robert A., Muncie, Ind., assignor to General Motors Corporation, Detroit, Mich. Manufacture of storage batteries. 2,518,527, Aug. 15.
Daily, Robert A., A. L. Hindall, D. G. Mahoney, and B. A. Miller, Muncie, Ind., and R. H. Bish, Downers Grove, Ill., assignors to General Motors Corporation, Detroit, Mich. Battery charging and forming apparatus. 2,528,266, Oct. 31.
Daily, Sherwood, Downers Grove, Ill., assignor to International Harvester Company. Supporting means for milking apparatus. 2,497,299, Feb. 14.
Dairy Specialties, Inc., assignee: *See*—
Jones, John P.
Daka Paper Company, assignee: *See*—
Lage, Claire B.
Dakin, Leonard F., Pleasantville, N. Y. Hoist. 2,513,403, July 4.
Dakin, Thomas W., Pittsburgh, and C. N. Works, Edgewood, Pa., and F. W. Boggs, Woodstock, N. Y., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Dielectric heating with cavity resonator. 2,504,109, Apr. 18.
Daland, Elliot, Wallingford, assignor, by mesne assignments to Piasecki Helicopter Corporation, Sharon Hill, Pa. Helicopter. 2,523,197, Sept. 19.
Daland, Elliott, Wallingford, and D. N. Meyers, Philadelphia, assignors, by mesne assignments, to Piasecki Helicopter Corporation, Morton, Pa. Control for tandem rotored helicopters. 2,532,483, Dec. 5
Dalbeck, Clarence, Wakefield, Mich. Portable power hoist. 2,519,119, Aug. 15.
Dalboni, Carlo, New York, N. Y. Calculator. 2,494,609, Jan. 17.
D'Albora, John, Brooklyn, N. Y. Heating pad with strap fastener. 2,498,983, Feb. 28.
Dale, Charles F., Mayhill, N. Mex. Minnow fish bait. 2,535,392. Dec. 26.
Dale, Clarence R., Altadena, Calif. Union and expansion joint. 2,533,097, Dec. 5.

Dale, Colin B., Barrington, assignor to Webster-Chicago Corporation, Chicago, Ill. Tone arm mounting. 2,496,382, Feb. 7.
Dale, Colin B., Oak Park, assignor to Webster-Chicago Corporation, Chicago, Ill. Winding wire onto a spool. 2,493,657, Jan. 3.
Dale, Colin B., Oak Park, assignor to Webster-Chicago Corporation, Chicago, Ill. Phonograph record changer. 2,496,658, Feb. 7.
Dale, Colin B., Oak Park, assignor to Webster-Chicago Corporation, Chicago, Ill. Phonograph record changer. 2,502,208, Mar. 28.
Dale, Colin B., Oak Park, assignor to Webster-Chicago Corporation, Chicago, Ill. Tone arm control mechanism. 2,509,811, May 30.
Dale, Colin B., Oak Park, assignor to Webster-Chicago Corporation, Chicago, Ill. Turntable mechanism. 2,529,376, Nov. 7.
Dale, Colin B., Oak Park, assignor to Webster-Chicago Corporation, Chicago, Ill. Mounting for wire recorder supply spools. 2,532,541, Dec. 5.
Dale, Eldon L., Long Beach, Calif. Practice shooting apparatus. 2,510,382, June 6.
Dale, George R., Los Angeles, Calif. Endless belt conveyer drive. 2,528,865, Nov. 7.
Dale Service Corp., assignee: *See*— Woodard, Stanley W.
D'Alelio, Gaetano F.: *See*— Finzel, Theron G., and D'Alelio.
D'Alelio, Gaetano F., Shaker Heights, assignor to Industrial Rayon Corporation, Cleveland, Ohio. N, N-dimethyl acetamide-containing compositions. 2,531,406, Nov. 28.
D'Alelio, Gaetano F., Shaker Heights, assignor to Industrial Rayon Corporation, Cleveland, Ohio. N, N-dimethyl acetamide-containing compositions. 2,531,407, Nov. 28.
D'Alelio, Gaetano F., Shaker Heights, assignor to Industrial Rayon Corporation, Cleveland, Ohio. Interpolymers of acrylonitrile and itaconic acid. 2,531,408, Nov. 28.
D'Alelio, Gaetano F., Shaker Heights, assignor to Industrial Rayon Corporation, Cleveland, Ohio. Interpolymers of acrylonitrile and fumarodinitrile. 2,531,409, Nov. 28.
D'Alelio, Gaetano F., Shaker Heights, assignor to Industrial Rayon Corporation, Cleveland, Ohio. Polymeric compositions. 2,531,410, Nov. 28.
D'Alelio, Gaetano F., Northampton, and H. D. Addison, Florence, assignors to Pro-phy-lac-tic Brush Company, Northampton, Mass. Nylon article rendered self-sterilizing by treatment with an aryl mercuric compound and making it. 2,507,299, May 9.
Dales, George F., Akron, Ohio. Thermostat switch. 2,497,397, Feb. 14.
Daley, Frank J., Schenectady, N. Y. Antiskid device. 2,517,634, Aug. 8.
Dalgleish, James W., assignor to Pye Limited, Cambridge, England. Cutting or trimming thermoplastic materials. 2,510,383, June 6.
Dalgleish, James W., and F. Higginbottom, assignors to Pye Limited, Cambridge, England. Electrically heated oven. 2,520,532, Aug. 29.
Dalglish, Herbert F., St. Paul, Minn. Lawn mower. 2,508,060, May 16.
Dalglish, John, assignee: *See*— Kaurie, Kenneth S.
Daligault, René: *See*— Rochette, René E., and Daligault.
Dalin, David, assignee: *See*— Edling, Gustaf E.
Dalin, David, Sodertalje, Sweden. Underground exploitation of fuel deposits. 2,497,868, Feb. 21.
Dalin, David, Stenkullen, Ronninge, Sweden. Heating. 2,532,608, Dec. 5.
Dalin, David, Ronninge, and G. V. Hagby, Ostertalje, Sweden. Air preheater for steam generating plants. 2,535,047, Dec. 26.
Dalin, George A., New York, N. Y. Distilling column and the like. 2,520,494, Aug. 29.
Da-Lite Screen Company, Inc., assignee: *See*— Heck, John T., Du Mais, and Talbot.
Dalkin, A., Company, assignee: *See*— Yuza, Rudolph.
Dall, Albert H.: *See*— Ernst, Hans, and Dall.
Dall, Albert H., assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Lubricating system. 2,520,879, Aug. 29.
Dall, Albert H., and W. Schroeder, assignors to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Dynamic balancing mechanism. 2,507,558, May 16.
Dall, Albert H., Silverton, and M. Martellotti, Cincinnati, Ohio. Lubricating system. 2,520,129, Aug. 29.
Dall, Edward D., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Hood latch. 2,507,196, May 9.
Dallas, John, Wheeling, W. Va. Method of and apparatus for cutting and breaking sheet glass. 2,504,655, Apr. 18.
Dalley, Charles J., Maplewood, N. J. Fastening member. 2,524,652, Oct. 3.
Dalley, Charles J., Maplewood, N. J. Thread clipper. 2,524,653, Oct. 3.
Dallmus, Erwin G.: *See*— Lyons, Sanford C., and Dallmus.
Dal Monte, Giorgio, Milan, assignor to Officine Lombarde Apparecchi di Precisione O. L. A. P. della Siemens Societa per Azioni, Milano, Italy. Sidetone correction winding in telephone receiver. 2,535,903, Dec. 26.
Dalrymple, Ferdinand H., Bedford, Ohio. Conveyor chain. 2,515,079, July 11.
Dalrymple, Ferdinand H., Bedford, Ohio. Conveyer chain. 2,515,080, July 11.
Dalrymple, William P., Rochester, assignor to American Brake Shoe Company, New York, N. Y. Valve. 2,500,806, Mar. 14.
Dalrymple, William P., Rochester, assignor to American Brake Shoe Company, New York, N. Y. Lubricating system. 2,503,905, Apr. 11.
Dalrymple, William P., Rochester, assignor to American Brake Shoe Company, New York, N. Y. Spraying equipment. 2,508,597, May 23.
Dalrymple, William P., Rochester, assignor to American Brake Shoe Company, New York, N. Y. Internal mix spray gun. 2,518,759, Aug. 15.
Dalsemer, Gordon H., Baltimore, Md. Method and apparatus for scoring and cutting cardboard. 2,524,962, Oct. 10.
Dalton, Byron W., Chicago, Ill. Plasterer's hawk. 2,535,726, Dec. 26.
Dalton Engineering Corporation, The, assignee: *See*— Brougher, George R.
Dalton, John F., Springfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Hand telephone. 2,504,307, Apr. 18.
Dalton, John T., Durham, N. C., assignor to The American Tobacco Company, New York, N. Y. Cigarette turning device. 2,509,725, May 30.
Dalton, John T., Durham, N. C., assignor to The American Tobacco Company, New York, N. Y. Cigarette turning device. 2,534,954, Dec. 19.
Dalton, Lester F., Torrance, Calif. Rubberlike article. 2,506,069, May 2.
Dalton, Masten R., New Castle, assignor to American Viscose Corporation, Wilmington, Del. Compositions comprising acrylonitrile homopolymers. 2,523,282, Sept. 26.
Dalton, Thomas L., Kansas City, Mo. Combination of a vehicle and rearview mirror signal and extremity marker device therefor. 2,511,971, June 20.
Daly, Arthur J.: *See*— Locke, Ronald S., and Daly.
Daly, Daniel F., Hartford, Conn., assignor to Federal Electric Products Company, Newark, N. J. Spring biased pivoted fuse terminal clip. 2,526,201, Oct. 17.
Daly, George F.: *See*— Beattie, Horace S., Hamilton, and Daly.
Daly, George F., Endicott, assignor to International Business Machines Corporation, New York, N. Y. Card feeding mechanism. 2,510,559, June 6.
Daly, George F., Endicott, assignor to International Business Machines Corporation, New York, N. Y. Record perforation analyzing mechanism. 2,514,031, July 4.
Daly, George F., Endicott, assignor to International Business Machines Corporation, New York, N. Y. Record controlled machine. 2,531,873, Nov. 28.
Daly, George M., Collingswood, N. J., assignor to Radio Corporation of America. Image projection and cabinet body means. 2,497,931, Feb. 21.
Daly, Lawrence E., Mishawaka, Ind., assignor to United States Rubber Company, New York, N. Y. Laminar structure. 2,498,652, Feb. 28.
Daly, Lawrence E., Mishawaka, Ind., assignor to United States Rubber Company, New York, N. Y. Laminar structure. 2,498,653, Feb. 28.
Daly, Lawrence E., Mishawaka, Ind., assignor to United States Rubber Company, New York, N. Y. Elastomer-resin compositions. 2,505,349, Apr. 25.
Daly, Le Grand, Birmingham, Mich. Making articles from plastic materials. 2,514,597, July 11.
Daly, Le Grand, Birmingham, Mich. Molded article. 2,532,442, Dec. 5.
Daly, Loretta M., Pittsfield, Mass., assignor to General Electric Company. Concentric coil sheath heating unit. 2,494,333, Jan. 10.
Daly, Martin E., Passaic, N. J. Educational toy. 2,513,290, July 4.
Daly, Walter J., Waterbury, Conn. Tool for sheet metal workers. 2,498,397, Feb. 21.
Dalzell, Clarence W., West Caldwell, assignor to Heyer Industries Incorporated, Belleville, N. J. Battery charger. 2,496,859, Feb. 7.
Dalzell, Clarence W., West Caldwell, assignor to Heyer Industries Incorporated, Belleville, N. J. Insulated thermostatic switch. 2,506,070, May 2.
Dalzell, Clarence W., West Caldwell, assignor to Heyer Industries Incorporated, Belleville, N. J. Selectable scale electrical instrument. 2,509,485, May 30.
Dalzell, Clarence W., West Caldwell, assignor to Heyer Industries, Incorporated, Belleville, N. J. Changeable scale electrical testing instrument. 2,514,745, July 11.
Dalzen Tool & Manufacturing Co., assignee: *See*— Dalzen, William R.
Dalzen, William R., assignor to Dalzen Tool & Manufacturing Co., Detroit, Mich. Furnace having multiple gas burners and air deflector. 2,516,619, July 25.
Dalziel, William, and J. W. Gray, Bebington, England, assignors to Lever Brothers Company, Cambridge, Mass. Stacking articles into layers. 2,498,071, Feb. 21.

Daman, Arthur C., assignor to Mining Process and Patent Company, Denver, Colo. Jigging apparatus for separating divided solids. 2,518,451, Aug. 15.
D'Amato, Celestino G., Philadelphia, Pa. Nose hair clipper. 2,525,450, Oct. 10.
D'Ambola, Joseph, assignee: *See*— Holinger, Carl J.
D'Ambola, Nicholas, assignee: *See*— Holinger, Carl J.
Dameron, Douglas P., and F. R. Shoaf, assignors of one-half to said Shoaf and one-half to J. R. Livengood, Jr., Concorn, N. C. Hosiery inspection and repair form. 2,510,332, June 6.
Dameron, Ivy H., assignee: *See*— Cruise, Alvis L.
Damiano, Frank, Newburgh, N. Y. Catchup dispenser. 2,532,484, Dec. 5.
D'Amico, Paul M., Philadelphia, Pa. Line holder. 2,532,394, Dec. 5.
Dammers, Hendrik F., Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Concentration of aqueous solutions of hydrocarbon sulfates and sulfonates. 2,522,212, Sept. 12.
Dammeyer, Edwin H., Fort Wayne, Ind. Lawn sprinkler. 2,509,762, May 30.
Damon, Gardner M., Marblehead, assignor to Eastern Tool & Stamping Co., Inc., Saugus, Mass. Platform shoe construction and shank therefor. 2,505,706, Apr. 25.
Damon, Thayer S.: *See*— Kamp, James V., and Damon.
Damosel, Inc., assignee: *See*— Hall, Lawrence J. and M. R.
Damroth, William G., assignor to Hile-Damroth, Inc., New York, N. Y. Multiple panel display board. 2,526,603, Oct. 17.
Damrow Brothers Company, Inc.: *See*— Peters, Norman J.
Damschroder, Rudolph E., and J. W. Gates, Jr., assignors to Eastman Kodak Company, Rochester, N. Y. Preparing gelatin derivatives. 2,518,666, Aug. 15.
Damstra, Peter G., Holland, Mich. Clamp. 2,503,548, Apr. 11.
Damuth, Fred G., Carlsbad, assignor to C. G. Stratton, Los Angeles, Calif. Preserving eggs. 2,525,096, Oct. 10.
Dana, Charles A.: *See*— Lund, Alvin O., and Dana.
Dana Corporation, assignee: *See*— Peterson, Carl D., and Deimel. Thelander, W. Vincent. Thelander, W. Vincent, and De Coursey. Zingsheim, Edward W.
Dance, Barbara G., San Jose, Calif. Diaper construction. 2,493,113, Jan. 3.
Danciger Oil & Refining Company, assignee: *See*— Cripps, James M. Greene, David H. Spring, Otto.
D'Andrea, Rocco, Long Island City, N. Y. Magnetic window-cleaning device. 2,507,559, May 16.
Danehy, James P., Riverside, Ill., assignor to Harris-Seybold Company, Cleveland, Ohio. Protein reaction product preparation. 2,500,453, Mar. 14.
Danel, Pierre F., assignor to Ateliers Neyret-Beylier & Piccard-Pictet, Grenoble, France. Spillway installation for dams. 2,529,141, Nov. 7.
Danel, Pierre F., assignor to Ateliers Neyret-Beylier & Piccard-Pictet, Grenoble, France. Branch pipe breeching for pressure conduits. 2,533,720, Dec. 12.
Danforth, Joseph D., Downers Grove, assignor to Universal Oil Products Company, Chicago, Ill. Separation of hydrocarbons. 2,509,486, May 30.
Danforth, Joseph D., Downers Grove, assignor to Universal Oil Products Company, Chicago, Ill. Condensation of vinyl esters and aliphatic amines. 2,527,709, Oct. 31.
Danforth, Joseph D., Grinnell, Iowa, assignor to Universal Oil Products Company, Chicago, Ill. Resinous condensation products from an aldehyde or a ketone and an N-alkenylarylamine. 2,495,890, Jan. 31.
Danforth, Joseph D., Grinnell, Iowa, assignor to Universal Oil Products Company, Chicago, Ill. Production of aliphatic amines. 2,518,528, Aug. 15.
Danforth, Richard S., Berkeley, Calif. Making anchors. 2,510,867, June 6.
Dangerfield, B. M., assignee: *See*— Augustine, Heinz.
Danhier François G. Schaerbeek, assignor to La Soudure Electrique Autogene, Societe Anonyme, Brussels, Belgium. Metal cutting rod and process. 2,510,960, June 13.
Daniel, Arthur F., Fair Haven, N. J., assignor to the United States of America as represented by the Secretary of War. Primary cell. 2,526,640, Oct. 24.
Daniel, Eberhard, Irondequoit, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Protector for traversing screw on microscope stage. 2,500,604, Mar. 14.
Daniel, Nathan I., Long Branch, N. J. Vibrato means for audioamplifiers. 2,534,342, Dec. 19.
Daniels, Cady L., Colorado Springs, Colo. Trailer. 2,514,746, July 11.
Daniels, Clare R., Milwaukee, Wis. Calk assemblage for shoes. 2,517,179, Aug. 1.
Daniels, Ervie H., Aitkin, Minn. Securing a fabric cover over an enclosure. 2,510,307, June 6.
Daniels, Felix, Williamsport, Pa., assignor to Celanese Corporation of America. Weft detecting shuttle. 2,493,114, Jan. 3.
Daniel, Garth W., Austin, Tex. Adjustable shower. 2,496,520, Feb. 7.
Daniels, George H., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of chloroprene polymers. 2,494,087, Jan. 10.
Daniel, Henry B., Takoma Park, Md. Band saw attachment for producing propeller blanks. 2,497,869, Feb. 21.
Daniels, James F., Greenfield, Ohio. Reinforced insole for shoes. 2,510,560, June 6.
Daniels, John K., Minneapolis, Minn. Window. 2,506,631, May 9.
Daniels, Joseph S., Rhinelander, Wis. Support. 2,526,009, Oct. 17.
Daniels, Lee C., Cleveland, Ohio, assignor to The Oliver Corporation, Chicago, Ill. Friction drive rubber track. 2,531,111, Nov. 21.
Daniels, Lewis H., and H. L. Lindstrom, Detroit, Mich., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Welder. 2,508,145, May 16.
Daniels, Louis R., Belmont, Mass. Outboard motor mounting for boats. 2,497,490, Feb. 14.
Daniels Manufacturing Company, assignee: *See*— Draheim, Ernest C.
Daniels, Oscar, Oshawa, Ontario, Canada. Fluid pressure operated apparatus. 2,514,747, July 11.
Daniels, Ralph: *See*— Cahnmann, Hans J., and Daniels.
Daniels, Ross, Des Moines, Iowa. Root feeding device. 2,505,174, Apr. 25.
Daniels, Vitold J., Des Plaines, Ill., assignor to Magnesium Company of America, East Chicago, Ind. Loading ramp. 2,496,445, Feb. 7.
Daniels, Wesley A., Chaumont, N. Y. Drop wire tie. 2,521,452, Sept. 5.
Danielsen, August A., Rosedale, and A. P. Schleret, Babylon, assignors, by mesne assignments, to General Bronze Corporation, Garden City, N. Y. Shock absorber and accelerator. 2,534,248, Dec. 19.
Danielson, Elmer L.: *See*— Dofsen, Floyd J., and Danielson.
Danielson, Ralph R.: *See*— Coffeen, William W., and Danielson.
Danielson, Rudolph V., assignor of one-half to M. A. Olson, Sioux Falls, S. Dak. Automatic hoist lock and hoist control. 2,522,166, Sept. 12.
Danielson, Vincent A., Fort Dodge, and L. B. Neasham, Nevada, Iowa. Garden tractor. 2,519,745, Aug. 22.
Danielsson, Paul, Stora Essingen, assignor to Arenco Aktiebolag, Stockholm, Sweden. Dressing fish. 2,529,920, Nov. 14.
Danis, George H., Oakland, Calif. Cooling hotboxes. 2,532,609, Dec. 5.
Dank, Alfred P., Euclid, assignor to The Brush Development Company, Cleveland, Ohio. Magnetic record transducing apparatus having a backing element for coupling a record tape to the magnetic head. 2,535,486, Dec. 26.
Dankert, Lester J.: *See*— Arnold, James B., and Dankert.
Danly, George I.: *See*— Danly, Philo H. and G., and Georgeff.
Danly Machine Specialties, Inc., assignee: *See*— Danly, Philo H. and G. I., and Georgeff. Georgeff, Vasil.
Danly, Philo H., Hinsdale, G. I. Danly, Elmhurst, and V. Georgeff, assignors to Danly Machine Specialties, Inc., Chicago, Ill. Circulating oil system for presses. 2,511,972, June 20.
Dann, Charles W., Malden, Mass., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Stylus protection mechanism. 2,524,561, Oct. 3.
Dann, Charles W., Malden, Mass., and R. M. Somers, assignors to Thomas A. Edison, Incorporated, West Orange, N. J. Transducer carriage feed and control mechanism therefor. 2,533,359, Dec. 12.
Dannatt, Cecil: *See*— Polson, Reginald A., and Dannatt.
Dannatt, Cecil, Hale, and F. H. Belsey, Stretford, Manchester, assignors to Metropolitan-Vickers Electrical Company Limited and Vickers-Armstrong Limited, London, England. Electric follow-up control system. 2,528,486, Nov. 7.
Dannenberg, Hans: *See*— Adelson, David E., and Dannenberg.
Dannenberg, Kurt, Etruria, Stoke-on-Trent, England. Ring main distribution protection system. 2,525,527, Oct. 10.
Danner, Edward, Newark, Ohio. Tubular glass manufacturing apparatus. 2,502,312, Mar. 28.
Danner, Edward, Newark, Ohio. Glass severing means and process. 2,530,511, Nov. 21.
Danninger, Felix, Milwaukee, Wis. Tabernacle safe. 2,493,947, Jan. 10.
Dan River Mills, Incorporated, assignee: *See*— Chase, Harold M., and Jennings.
Dansereau, Prime J., Pittsfield, Mass. Apparatus for gumming bands. 2,515,760, July 18.
Dansk Skrivemaskinefabrik ved Foss, Rindom & Lauritzen, assignee: *See*— Thunbo, Anton P. R.

Dante, Joseph J., Bantam, Conn. Electric cigar lighter. 2,510,308, June 6.

Dantolan, Wilfred V., Chicago, Ill. Bar bell. 2,528,213, Oct. 31.

Dantzler, Cecil H., Chickasaw, Ala. Soap tray. 2,505,387, Apr. 25.

Dantzler, Cecil H., Chickasaw, Ala. Paper roll dispenser. 2,515,990, July 18.

Danzer, Frank, Rochester, Wash. Log turner for portable sawmills. 2,530,683, Nov. 21.

Danziger, Harold I., West Orange, N. J. Machine for applying solder to the ends of condenser bodies. 2,510,463, June 6.

Danziger, Harold I., West Orange, N. J. Machine for sealing condenser bodies in shells. 2,510,464, June 6.

Daon, Rene, assignor to Yankee Metal Products Corporation, Norwalk, Conn. Automobile spotlight. 2,494,288, Jan. 10.

Daoust, Lucian J., Detroit, Mich. Combined package and reel for coiled wire. 2,527,401, Oct. 24.

Daphne Investment Trust, assignee: *See*—
Handschin, Max.
Muller, Willy, and Grimm.
Wagner, Kurt.

Darash, Nicholas P., assignor to The Warner & Swasey Company, Cleveland, Ohio. Releasable bearing for looms. 2,514,152, July 4.

Darby, Albert S., Abilene, Tex. Shoe rack. 2,509,336, May 30.

Darby, Clement H., assignee: *See*—
Dean, John R.

Darby, Edna, assignee: *See*—
Darby, Jabez B.

Darby, Jabez B., assignor of one-fourth to E. Darby, one-fourth to M. D. Traweek, one-fourth to E. D. Willis and one-fourth to W. J. Darby, Florence, Ala. Combination water and feed trough. 2,498,981, Feb. 28.

Darby, Joseph R., Richmond Heights, assignor to Monsanto Chemical Company, St. Louis, Mo. Polyvinyl chloride compositions. 2,502,371, Mar. 28.

Darby, Reuben U., Middletown, Md. Visual indicating apparatus for determining correction of postural foot alignment. 2,535,787, Dec. 26.

Darby, Wilbur J., assignee: *See*—
Darby, Jabez B.

Darcangelo, Leonard, Cleveland, Ohio. Keg truck. 2,511,623, June 13.

D'Arcy, Ellis W.: *See*—
Howell, Edward N., and D'Arcy.

D'Arcy, James M., Brooklyn, N. Y., assignor to Triumph Laboratories Inc. Cymbal holder for drums. 2,524,518, Oct. 3.

D'Arcy, Robert M., Dallas, Tex. Rotary impact pipe cutter. 2,501,761, Mar. 28.

Darden, Robert R., Jr., Solromar, Calif., and M. F. Kolodziej, Waltham, assignors to Raytheon Manufacturing Company, Newton, Mass. Radar marker circuit. 2,517,635, Aug. 8.

Dargis, Christopher C., Ridley Park, Pa. Musical instrument. 2,534,417, Dec. 19.

Darley, Ralph: *See*—
Calkins, Austin E., Darley, and Beerbower.

Darley, W. S., & Company, assignee: *See*—
Yates, De Witt E.

Darling, Elton R., Muncie, Ill., and W. E. C. Yelland, Washington, D. C., assignors to Lauhoff Grain Company, Danville, Ill. Making corn starch. 2,534,249, Dec. 19.

Darling, Louis H., Vallejo, assignor to Fol-Gaf Limited, Stockton, Calif. Folding gaff hook. 2,516,620, July 25.

Darling, Robert P., Fairview, N. J. Mechanical paintbrush. 2,498,360, Feb. 21.

Darling, Samuel M.: *See*—
Hughes, Everett C., and Darling.

Darling, Samuel M., assignor to The Standard Oil Company, Cleveland, Ohio. Supported metal oxyfluoride cracking catalyst. 2,524,771, Oct. 10.

Darling, Woodrow, Merchantville, N. J., assignor to Radio Corporation of America. Broadcast antenna. 2,513,007, June 27.

Darling, Woodrow, Merchantville, N. J., assignor to Radio Corporation of America. Relay satellite broadcast system. 2,531,199, Nov. 21.

Darlington, Henry S., Media, assignor to A. H. Wirz, Inc., Chester, Pa. Applicator for treatment of diseases of the udder. 2,529,836, Nov. 14.

Darlington, Sidney: *See*—
Boghosian, William H., Darlington, and Och.

Darlington, Sidney, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Differential analyzer. 2,494,036, Jan. 10.

Darlington, Sidney, New York, N. Y., C. H. Townes, Chatham, and D. E. Wooldridge, Madison, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Averaging device. 2,511,197, June 13.

Darlington, Thomas J.: *See*—
Matthews, Stanley R., and Darlington.

Darlington, William H., Stretford, assignor to Metropolitan-Vickers Electrical Company Limited, London, England. Combustion chambers with perforated end walls and upstream fuel injection for combustion turbines. 2,526,122, Oct. 17.

Darmody, Thomas R., Jr.: *See*—
Pederson, Arthur H., Holback, and Darmody.

Darmstadt, Louis J.: *See*—
Payson, Arthur H., and Darmstadt.

Darnell, Rex C., Dexter, assignor to King-Seeley Corporation, Ann Arbor, Mich. Hydraulic speed governor. 2,525,653, Oct. 10.

Darnell, Thomas E., Detroit, Mich. Center punch. 2,494,287, Jan. 10.

Darnielle, Robert B.: *See*—
Wild, Rudolf F., and Darnielle.

Daroux, William G.: *See*—
Nicolai, Lloyd A., and Daroux.

Darr, Clinton L., Vancouver, Wash. Machine for measuring distances and locating a ball on a playing field. 2,520,031, Aug. 22.

Darr, Harold W., assignor to Char-Lynn Co., Minneapolis, Minn. Portable pressure fluid servomotor and valve therefor. 2,497,813, Feb. 14.

Darr, Harold W., assignor to Char-Lynn Co., Minneapolis, Minn. Tire support and inspection light. 2,505,233, Apr. 25.

Darrell, George H., Stonington, Conn. Target-throwing machine. 2,531,613, Nov. 28.

Darrieus, Georges, Houilles, France, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Pressure exchange apparatus. 2,526,618, Oct. 24.

Dart, Jack C., Baton Rouge, La., assignor to Standard Oil Development Company. Hydrocarbon synthesis operation. 2,497,932, Feb. 21.

Dart, Norman C., assignee: *See*—
Sheren, Glen W.

Dart, Rodger W., Essondale, British Columbia, Canada, assignor to International Mutoscope Corporation, Long Island City, N. Y. Automatic photographic plate exposing and developing apparatus. 2,506,632, May 9.

Darwin, Clifford, Paxton, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Reed setting gauge for looms. 2,511,496, June 13.

Darwin, Clifford, Paxton, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Stop mechanism for shifting shuttle box looms. 2,523,648, Sept. 26.

Darwin, Joseph A., East Orange, N. J. Automatic phonograph. 2,521,046, Sept. 5.

Daschke, Arthur W., Huntington, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical control device. 2,493,060, Jan. 3.

Dasenbrock, John, Poughkeepsie, N. Y., assignor to The A. C. Gilbert Company, New Haven, Conn. Toy puffing locomotive. 2,520,916, Sept. 5.

Dasenbrock, John, Poughkeepsie, N. Y., assignor to The A. C. Gilbert Company, New Haven, Conn. Toy puffing locomotive apparatus. 2,525,288, Oct. 10.

Dasher, Don E., Birmingham, Mich. Air conditioning system. 2,532,012, Nov. 28.

Dasher, Paul J., Wiloughby, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Reclaiming composite material. 2,498,398, Feb. 21.

Dashkin, Irving, Jamaica, and H. Randel, assignors to Stub-Rod Control Corporation of America, New York, N. Y. Admission ticket device. 2,511,431, June 13.

Dasse, Lester F.: *See*—
Myers, Claude R., and Dasse.

D'Assis-Fonseca, Evelyn C. M., assignor to The Bristol Aeroplane Company Limited, Bristol, England. Ammunition feed mechanism for machine guns. 2,521,346, Sept. 5.

Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorbing mechanism for railway draft riggings. 2,501,888, Mar. 28.

Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Railway draft rigging. 2,504,253, Apr. 18.

Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Lever operated rotary bar fastener. 2,505,945, May 2.

Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorbing mechanism. 2,510,277, June 6.

Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorbing mechanism. 2,510,278, June 6.

Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Handle lever operated power multiplying hand brake. 2,505,946, May 2.

Dath, George E., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorbing mechanism. 2,506,707, May 9.

Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorbing mechanism. 2,506,708, May 9.

Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Hinge. 2,507,759, May 16.

Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorber. 2,507,760, May 16.

Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Hand brake for railway cars. 2,507,761, May 16.

Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Friction buffer. 2,514,568, July 11.

Dath, George E., Mokena, assignor to W. H. Milner, Inc., Chicago, Ill. Friction shock absorbing mechanism for railways cars. 2,516,300, July 25.

Dath, George E., Mokena, assignor to W. H. Miner, Inc. Chicago, Ill. Friction shock absorber for railway car trucks. 2,525,871, Oct. 17.
Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Winding mechanism for deck hoists. 2,529,597, Nov. 14.
Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Buffer. 2,532,013, Nov. 28.
Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorber for railway car trucks. 2,532,358, Dec. 5.
Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Latch means. 2,533,360, Dec. 12.
Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Shock absorber for railway car trucks. 2,534,418, Dec. 19.
Dath, George E., Mokena, assignor to W .H. Miner, Inc., Chicago, Ill. Shock absorber for railway car trucks. 2,534,419, Dec. 19.
Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Shock absorbing mechanism for railway draft riggings. 2,535,197, Dec. 26.
Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorber for railway car trucks. 2,535,198, Dec. 26.
Dath, George E., Mokena, and C. A. Anderson, assignors to W. H. Miner, Inc., Chicago, Ill. Friction shock absorbing mechanism. 2,521,834, Sept. 12.
Datom Company, Inc., The, assignee: *See*— Greene, David.
Datsko, Jack, Los Angeles, Calif. Cigar and cigarette holder. 2,501,714, Mar. 28.
Daub, Andrew C., Kirkwood, assignor of one-half to E. J. Methudy, University City, Mo. Machine for removing pods from the seed of wax beans or the like. 2,524,519, Oct. 3.
Daub, Rudolph, Caldwell, N. J., assignor to Wright Aeronautical Corporation. Internal-combustion engine lubrication. 2,511,248, June 13.
Daubenmeyer, Lewis E., Dearborn, Mich. Pressure fluid servomotor. 2,531,907, Nov. 28.
Dauber, Joseph, Chicago, and P. Berndt, Winnetka, Ill. Automaitc control valve and the like control indicator. 2,527,119, Oct. 24.
Dauel, Detlef H., Toledo, Ohio. Can opener and closure device. 2,495,056, Jan. 17.
Daugert, Emilian M., Upper Darby, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Synchronous motor starting control. 2,504,812, Apr. 18.
Daugert, Peter C., assignor to Infra Appliances Corporation, Wilkes-Barre, Pa. Therapeutic lamp and baker. 2,535,393, Dec. 26.
Daugherty, Fount F., assignor to T. Francis, F. F. Daugherty, N. S. Wood, T. H. Mize, I. L. Rhodes, W. J. Moran, L. P. Carpenter, D. R. Francis, St. Louis, Mo., and N. Ewing, Fort Lewis, Wash., as trustees. Coin singling and sorting device. 2,519,357, Aug. 22.
Daugherty, George W., Marengo, Iowa. Toy vehicle having severable individual attachments. 2,524,695, Oct. 3.
Daugherty, Jesse, assignor to The Cincinnati Planer Company, Cincinnati, Ohio. Controlling temperature of machinery. 2,524,043, Oct. 3.
Daugherty, Lucius L., Jr., Jacksonville, Fla. Ironing board leg mounting. 2,497,763, Feb. 14.
Daugherty, Ralph K.: *See*— Magnuson, Roy M., Smith, and Daugherty.
Daugherty, Ralph K., San Jose, Calif., assignor to R. M. Magnuson. Rotary cutter for severing roots from vegetables. 2,512,921, June 27.
Daukus, John F., Detroit, Mich., assignor, by mesne assignments, to McKay Machine Co., Youngstown, Ohio. Pipe and tube shearing mechanism. 2,516,451, July 25.
Daul, George C.: *See*— Reid, John D., and Daul.
Daum, Claude R., and L. T. Cleaver, Denver, Colo., assignors to the United States of America as represented by the Secretary of the Interior. Electronic detector. 2,503,247, Apr. 11.
Dauphiné, Thonet C., Irvington on Hudson, N. Y., assignor to California Research Corporation, San Francisco, Calif. Regeneration of hydrofluoric acid catalyst. 2,531,112, Nov. 21.
Dauphinee, George S., Brooklyn, assignor, by mesne assignments, to W. B. Connor Engineering Corporation, New York, N. Y. Portable odor adsorption device. 2,511,497, June 13.
Daussan, Henri J., Metz, France. Refractory compositions for use in foundry and the like. 2,499,729, Mar. 7.
Daussat, Russell L., and O. W. Moak, Baton Rouge, La., assignors to Standard Oil Development Company. Preparation of catalyst. 2,502,930, Apr. 4.
Dautrick, Owen L., assignor of one-half to Stewart J. Dautrick, Detroit, Mich., said Stewart J. Dautrick, executor of said Owen L. Dautrick, deceased, assignor to Robert H. Wendt, Chicago, Ill. Garage door. 2,495,672, Jan. 24.
Dautrick, Stewart J., assignee, executor: *See*— Dautrick, Owen L.
Dauvergne, Pierre, Flushing, N. Y. Ear clip. 2,509,726, May 30.
Dauvillier, Alexandre, and M. Ponte, assignors, by mesne assignments, to Compagnie Generale de Telegraphie Sans Fil, Paris, France. Flame responsive fire alarm system. 2,524,100, Oct. 3.
Da Veiga Soares, João, Rio de Janeiro, Brazil. Drop counting closure for bottles and the like. 2,497,980, Feb. 21.
Daven Company, The, assignee: *See*— Smith, John P., Jr. Keroes, Herbert I.
Davenport, Charles C., Swarthmore, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Gas turbine lubrication. 2,531,411, Nov. 28.
Davenport, William E., Lima, Ohio. Animated figure toy. 2,531,260, Nov. 21.
Daves, Bruner R.: *See*— Irvine, Warren L., and Daves.
Daves, Howard W., Alcoa, Tenn., assignor to Aluminum Company of America, Pittsburgh, Pa. Sheet material handling. 2,517,388, Aug. 1.
Davey, Edward L.: *See*— Beaver, Charles J., and Davey.
Davey, Edward L., Hale, assignor to W. T. Glover & Company Limited, Trafford Park, England. Leakage indicating device for gas-filled electric cables, pipe lines, or the like. 2,520,624, Aug. 29.
Davey, Edward L., Hale, and F. R. Credland, Audenshaw, assignors to W. T. Glover & Company Limited, Trafford Park, Manchester, England. Fluid-tight joint for use between the parts of an electric cable system. 2,530,153, Nov. 14.
Davey, Edward P.: *See*— Teal, Eric F., and Davey.
Davey, George M., Downey, and H. Hauflaire, Glendale, assignors to Hadco Engineering Company, Huntington Park, Calif. Hitch coupler. 2,523,500, Sept. 26.
Davey, Jack, Buffalo, N. Y. Tobacco pipe. 2,503,713, Apr. 11.
Davey, James R., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telegraph hub repeater. 2,528,120, Oct. 31.
Davey, Joseph: *See*— Tapp, Ernest T. J., and Davey.
Davey, Paul H., Kent, Ohio. Mechanical movement. 2,510,082, June 6.
David-Ludwig Company, assignee: *See*— Ludwig, John E., Sr.
David, Malham H., Chicago, Ill. Life preserver attachment for two-piece swim suits. 2,521,205, Sept. 5.
David, Mario T., Los Angeles, Calif. Molding device. 2,506,071, May 2.
David, Victor M., Vancouver, British Columbia, Canada. Apparatus for treating fish and meat. 2,507,891, May 16.
David, Victor M., Vancouver, British Columbia, Canada. Dehydrating and preserving by application of a vacuum. 2,512,897, June 27.
David, Werner: *See*— Mitchell, Reginald G., Tait, Gilbert, and David.
David, Werner, Chester, England, assigner to Shell Development Company, San Francisco, Calif. Composition for removing fingerprint deposits from nonabsorbent surfaces. 2,517,636, Aug. 8.
Davidoff, David M., Brooklyn, N. Y. Electromagnetic machine. 2,535,788, Dec. 26.
Davidon, Jack: *See*— Siecke, Albert C. W., and Davidon.
Davids, Hans, Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Engine fuel control. 2,518,291, Aug. 8.
Davidson, Bruce J., Manhasset, assignor to National Biscuit Company, New York, N. Y. Rotary cutting and creasing press. 2,515,863, July 18.
Davidson, Donald, Franklin Square, N. Y. Self-closing automobile gas cap. 2,503,031, Apr. 4.
Davidson, Donald D., Long Beach, assignor to Shell Development Company, San Francisco, Calif. Catalytic reforming of gasoline. 2,508,014, May 16.
Davidson, Donald D., Long Beach, assignor to Shell Development Company, San Francisco, Calif. Production of synthesis gas. 2,513,994, July 4.
Davidson, Donald E., and F. J. Lilly, assignors to Davidson Manufacturing Company, Los Angeles, Calif. Tiltable camera mount. 2,514,313, July 4.
Davidson, Edward E., and J. R. Doggett, assignors to Gray Tool Company, Houston, Tex. Apparatus for supporting tubing during well completion. 2,507,246, May 9.
Davidson, Harold E., Quantico, Va. Lady's blouse. 2,498,254, Feb. 21.
Davidson, Harold O., Jr., Atlanta, Ga. Device for locking knives in their scabbards. 2,527,710, Oct. 31.
Davidson, Harold O., Jr., Atlanta, Ga. Device for locking knives in their scabbards. 2,527,711, Oct. 31.
Davidson, Harry A. (Mont), Detroit, Mich. Collapsible poultry crate. 2,501,642, Mar. 21.
Davidson, Harvey E., Tulsa, Okla., assignor, by mesne assignments, to Bethlehem Supply Company. Power clutch shifter. 2,521,779, Sept. 12.
Davidson, Herman A., Detroit, Mich., assignor to Avco Manufacturing Corporation. Flue structure for gas ranges. 2,512,521, June 20.
Davidson, Howard M.: *See*— Travis, Paul H., and Davidson.

Davidson, Iva C., assignee: *See*—
Ashcraft, Ernest G.

Davidson, J. Quinton, assignee: *See*—
Ringholz, Norbert A.

Davidson, John B., and J. F. Olin, Grosse Ile, Mich., assignors to Sharples Chemicals Inc. Manufacture of glycol thioethers. 2,494,610, Jan. 17.

Davidson, John R., assignor of fifty per cent to W. L. Alexander, Jefferson, Tex. Combined sign and burglar alarm signal. 2,518,979, Aug. 15.

Davidson, John T., J. R. Ganger, J. H. Crawford, and H. F. Sadgebury, assignors to The National Cash Register Company, Dayton, Ohio. Record material equipment for accounting machines. 2,503,805, Apr. 11.

Davidson, John T., P. H. Williams, J. R. Ganger, and J. H. Crawford, assignors to The National Cash Register Company, Dayton, Ohio. Accounting machine. 2,526,734, Oct. 24.

Davidson, Louis, New York, N. Y. Space heating rubbish incinerator with agitating means. 2,515,497, July 18.

Davidson Manufacturing Company, assignee: *See*—
Davidson, Donald E., and Lilly.
Davidson, William W., and Dell.

Davidson, Mead B., Dallas, Tex. Air cooler. 2,512,198, June 20.

Davidson, Morgan W., Bartlesville, Okla., assignor to Phillips Petroleum Company. Azeotropic distillation of hydrocarbons with tetrahydrofuran. 2,506,858, May 9.

Davidson, Norman R.: *See*—
Fried, Sherman, and Davidson.

Davidson, Trevor O.: *See*—
Conlon, Thomas A., Davidson, Taylor, Richardson, Riniker, and Beitzel.

Davidson, Trevor O., Milwaukee, assignor to Bucyrus-Erie Company, South Milwaukee, Wis. Tread-belt link and cooperating driving tumbler. 2,530,379, Nov. 21.

Davidson, William A., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Electric sewing-machine cabinet with built-in motor controller. 2,502,372, Mar. 28.

Davidson, William W., Evanston, and E. F. Dell, assignors to Davidson Manufacturing Corporation, Chicago, Ill. Dampening fountain for printing presses. 2,516,757, July 25.

Davidson, Wilson, South Euclid, Ohio, assignor to General Electric Company. Glow discharge lamp. 2,515,699, July 18.

Davie, James, assignee: *See*—
Duff, John C. M.

Davie, Preston, assignee: *See*—
Edwards, William C.

Davies, Arthur J., Cleveland, Ohio, assignor to Container Corporation of America, Chicago, Ill. Machine for cleaning printing press rollers and analogous articles. 2,526,542, Oct. 17.

Davies, Clarence J., assignor to National Automotive Fibres, Inc., Detroit, Mich. Apparatus for making trim panels. 2,500,895, Mar. 14.

Davies, Drury N., and F. S. Deutsch, Feltham, assignors, by mesne assignments, to British Resin Products Limited, London, England. Resorcinol aldehyde resinous compositions. 2,502,511, Apr. 4.

Davies, George, Welwyn, assignor to A. P. Warren, East Twickenham, England. Abrasive type cutting element and the manufacture thereof. 2,498,982, Feb. 28.

Davies, Harry W., assignee: *See*—
Johnson, Archie A.

Davies, Henry, Stockton Heath, assignor to Electro-Hydraulics Limited, Warrington, Lancashire, England. Undercarriage suspension for aircraft. 2,529,377, Nov. 7.

Davies, Idris I., assignor to Johnson Service Company, Milwaukee, Wis. Electropneumatic control of atmospheric conditions. 2,523,198, Sept. 19.

Davies, James A., Scarsdale, assignor to The Texas Company, New York, N. Y. Refining oil with a selective solvent. 2,497,588, Feb. 14.

Davies, James M., and J. L. Deffenbaugh, Peoria, Ill., assignors to Caterpillar Tractor Co., San Leandro, Calif. Tractor lubrication. 2,515,552, July 18.

Davies, James M., K. J. Mogk, and R. C. Williams, Peoria, Ill., assignors to Caterpillar Tractor Co., San Leandro, Calif. Clutch disk separator. 2,523,501, Sept. 26.

Davies, Leonard J., L. Rushforth, W. D. Sinclair, and C. J. Milner, Rugby, England, assignors to General Electric Company. Electron discharge device of the velocity modulation type. 2,512,887, June 27.

Davies, Lynn E., Park Ridge, assignor to White Cap Company, Chicago, Ill. Arranging and feeding apparatus. 2,532,760, Dec. 5.

Davies, Richard E., Plainfield, and A. R. Esterly, Metuchen, N. J., assignors to Catalin Corporation of America. Copolymers of diallyl fumarate and styrene. 2,493,948, Jan. 10.

Davies, Richard H.: *See*—
Wood, Hubert, Davies, and Whitehead.

Davies, Richard S., assignor to The Budd Company, Philadelphia, Pa. Electrical percentage control apparatus. 2,508,328, May 16.

Davies, Robert H., Bedford, assignor to The Parker Appliance Company, Cleveland, Ohio. Nozzle attachment for tanks. 2,519,358, Aug. 22.

Davies, Robert H., assignor to The Parker Appliance Company, Cleveland, Ohio. Fuel tank. 2,528,499, Nov. 7.

Davies, Walter R., Shakopee, assignor to Northrup, King & Co., Minneapolis, Minn. Corn detasseling machine. 2,526,543, Oct. 17.

D'Avila, John, Richmond, Calif. Buck rake. 2,499,465, Mar. 7.

Davis, Adela R., Chicago, Ill. Shoulder pad envelope. 2,519,637, Aug. 22.

Davis, Adolph H.: *See*—
Hartley, Albert L., Davis, and Whalen.

Davis, Allan W., assignor to The Fairfield Shipbuilding and Engineering Company Limited, Glasgow, Scotland. Reversible speed-reduction gear for ship propulsion. 2,535,904, Dec. 26.

Davis, Alto J., Montgomery, Ala. Apparatus for heat-treating metal objects. 2,496,383, Feb. 7.

Davis, Arthur C., Burbank, Calif. Straight-line attenuator. 2,517,180, Aug. 1.

Davis, Arthur P., New York, assignor to Arma Corporation, Brooklyn, N. Y. Stable vertical element. 2,530,154, Nov. 14.

Davis, Barbara B., assignee: *See*—
Davis, Malcolm I., Jr.

Davis, Bianca F., Ridgewood, N. J. Apparatus for waving hair. 2,503,937, Apr. 11.

Davis, Charles C., West Los Angeles, Calif., assignor to Western Electric Company, Incorporated, New York, N. Y. Phonographic apparatus. 2,509,054, May 23.

Davis, Charles E., Lake Orion, Mich. Air-conditioning system. 2,519,120, Aug. 15.

Davis, Charles H.: *See*—
Aron, Walter A., Davis, and Hollingsworth.

Davis, Charles J., Jr.: *See*—
Koppit, Raymond, and Davis, Jr.

Davis, Charles L., Jr., New Orleans, La. Garbage storage receptacle. 2,501,762, Mar. 28.

Davis, Charles P., Jr., R. L. Guentner, R. J. Wagner, and E. W. Vaughn, Baltimore, Md., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Adjustable X-ray apparatus. 2,508,449, May 23.

Davis, Clarence C., and P. Covalt, Mooreland, said Davis, assignor to A. Covalt, Woodward County, Okla. Brush cutter. 2,507,247, May 9.

Davis, Clarence G., Seattle, Wash. Paintbrush holder. 2,508,707, May 23.

Davis, Clarence G., Tracyton, Wash. Combination brush holder and paint can handle. 2,493,751, Jan. 10.

Davis, Claude E., and E. D. Stevenson, Fullerton, Calif. Fog light attachment for headlights. 2,530,685, Nov. 21.

Davis, Clifford P., U. S. Navy, Brooklyn, N. Y., and E. W. Moles, Birmingham, Ala. Tool guide. 2,510,083, June 6.

Davis, Clinton S., Chicago, Ill. Photoflash lamp circuit. 2,509,967, May 30.

Davis, Cortland W.: *See*—
Engh, Walter B., and Davis.

Davis, Craig L., Catawissa, Pa. Valve device. 2,504,006, Apr. 11.

Davis, Dale V.: *See*—
Boger, Sam, and Davis.

Davis, David L.: *See*—
Messer, John S., and Davis.

Davis, Dorothy M., New York, N. Y. Dress form and cover therefor. 2,510,333, June 6.

Davis, Douglas L., Fullerton, Calif. Dispensing device for bait. 2,498,795, Feb. 28.

Davis, Dreyfus C.: *See*—
Carrier, Ralph A., Jr., and Davis.

Davis, Dwillard J., Detroit, Mich., assignor to Avco Manufacturing Corporation. Apparatus for measuring propeller blades. 2,495,891, Jan. 31.

Davis, Edgar B., Tangerine, Fla. Waterproof pocket. 2,521,047, Sept. 5.

Davis, Edgar B., Tangerine, Fla. Alarm for strongboxes. 2,531,842, Nov. 28.

Davis, Edward M., Brooklyn, N. Y. Hanger device. 2,532,255, Nov. 28.

Davis, Edward R., Wilkes-Barre, Pa. Bracket. 2,504,005, Apr. 11.

Davis, Edward V., Los Angeles, Calif. Line slack adjuster. 2,527,402, Oct. 24.

Davis, Edward W., assignor to Regents of the University of Minnesota, Minneapolis, Minn. Furnace. 2,520,384, Aug. 29.

Davis, Edwin L., Anderson, and O. T. Hinton, Jr., Pickens, S. C. Apparatus for the reading of facsimile and printed matter by the blind. 2,500,630, Mar. 14.

Davis, Elias V., Miami, Fla. Mail receptacle. 2,498,361, Feb. 21.

Davis, Ellis E., Muncy, Pa. Combined clutch and brake mechanism. 2,515,295, July 18.

Davis, Elmer G., assignee: *See*—
Coles, Harold J.

Davis, Elmer W., Newton Center, assignor to American Locker Company, Inc., Boston, Mass. Coin-controlled garment checking cabinet. 2,513,150, June 27.

Davis, Elwood T., Brookline, assignor to Leeds and Northrup Company, Philadelphia, Pa. Control system. 2,496,860, Feb. 7.

Davis, Elwood T., Brookline, Mass., assignor to Leeds and Northrup Company, Philadelphia, Pa. Electrical control system and apparatus. 2,530,326, Nov. 14.
Davis, Elwood T., Brookline, assignor to Leeds and Northrup Company, Philadelphia, Pa. Automatic control system using non-linear responsive elements. 2,531 200, Nov. 21.
Davis, Emerson F., executor and ancillary executor: *See*— Jensen, James A.
Davis Engineering Corporation, assignee: *See*— Thompson, William H.
Davis, Ernest W., River Forest, Ill. Lubrication gun. 2,497,762, Feb. 14.
Davis, Ernest W., River Forest, Ill. Oiling system. 2,499,571, Mar. 7.
Davis, Ernest W., River Forest, Ill. Pump for centralized lubricating systems. 2,500,524, Mar. 14.
Davis, Ernest W., River Forest, Ill. Coupler for lubricating apparatus. 2,516,758, July 25.
Davis, Ernest W., River Forest, Ill. Lubricant compressor. 2,521,569, Sept. 5.
Davis, Ernest W., River Forest, Ill. Multiple oiler. 2,523,899, Sept. 26.
Davis, Ernest W., River Forest, assignor to Stewart-Warner Corporation, Chicago, Ill. Measuring valve. 2,532,269, Nov. 28.
Davis, Eugene L., Jr., Ashland, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Wet cake creeling process. 2,509,487, May 30.
Davis, Floyd E., Gary, Ind. Rotary shear. 2,497,155, Feb. 14.
Davis, Frank L., assignee: *See*— Brown, William F.
Davis, Frank L., College Point, N. Y. Ear cleaner. 2,510,961, June 13.
Davis, Frank M., Cedar Rapids, Iowa, assignor to Collins Radio Company. Power supply unit. 2,509,216, May 30.
Davis, Franklin O.: *See*— Patrick, Joseph C., and Davis.
Davis, Fred, Lynn, Mass., assignor to General Electric Company. Lead-base solder. 2,506,348, May 2.
Davis & Furber Machine Company, assignee: *See*— Kooistra, John A.
Davis, Garland H. B., Elizabeth, and J. C. Zimmer, Union, N. J., assignors to Standard Oil Development Company. Nonfoaming compositions. 2,515,115, July 11.
Davis & Geck, Inc., assignee: *See*— Themak, Edward.
Davis, George B., Jr., Washington, D. C., and E. C. Roberts, Arlington, Va. Mortar and mount. 2,518,452, Aug. 15.
Davis, George C., Oak Park, assignor to Davis Regulator Company, Chicago, Ill. Pump system and control. 2,495,571, Jan. 24.
Davis, George F., New Haven, Conn. Adjustable firearm sight. 2,494,163, Jan. 10.
Davis, George G., assignee: *See*— Randolph, Frank D.
Davis, George H., Detroit, Mich. Refrigerating apparatus. 2,511,568, June 13.
Davis, George W.: assignee: *See*— Davis, Wilbur A.
Davis, George W., Gibson City, Ill. Rotary sickle mower. 2,530,684, Nov. 21.
Davis, Gustoff W., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Conductive device. 2,509,909, May 30.
Davis, Guy R., Kansas City, Mo. Store window display system. 2,517,181, Aug. 1.
Davis, Harold G., Denver, Colo. Impeller for dishwashing machines. 2,529,650, Nov. 14.
Davis, Harold S., Greenwich, and E. L. Carpenter, Riverside, Conn., assignors to American Cyanamid Company, New York, N. Y. Production of olefinic nitriles. 2,500,403, Mar. 14.
Davis, Harold W., Bound Brook, and W. A. Johns, North Plainfield, assignors, by mesne assignments, to Vibradamp, Incorporated, New Brunswick, N. J. Hydraulic damping mechanism. 2,533,226, Dec. 12.
Davis, Harry A., New Brighton, Pa., and G. W. Ruhl, East Liverpool, Ohio, assignors to Treadwell Construction Company, Midland, Pa. Stopper rig for ladles. 2,531.556, Nov. 28.
Davis, Harry D., Toledo, Ohio. Lifter tool. 2,514,629, July 11.
Davis, Hazel A., Yazoo City, Miss. Safety boot. 2,526,997, Oct. 24.
Davis, Herbert L., Highland Park, N. J., and M. L. Tringali, Brooklyn, N. Y., assignors to Johnson & Johnson. Sutures. 2,524,772, Oct. 10.
Davis, Homer G., Oklahoma City, Okla. Aircraft landing gear strut dolly. 2,521,695, Sept. 12.
Davis, Homer H., Akron, Ohio. Roasting aid. 2,509,727, May 30.
Davis, Hosea B., San Antonio, Tex. Shoe for hunting dogs. 2,535,394, Dec. 26.
Davis, Hyman R.: *See*— Kelley, John W., and Davis.
Davis, Hyman R., Jackson Heights, and F. Kraus, Pelham, assignors to The Lummus Company, New York, N. Y. Solvent extraction apparatus. 2,528,426, Oct. 31.
Davis, James A., Jr., assignor to J. Jones, Quitman, Ga. Support for receptacles. 2,505,885, May 2.
Davis, James H., Verona, assignor to Aluminum Company of America, Pittsburgh, Pa. Metal spray coating mechanism. 2,505,530, Apr. 25.
Davis, James R., Detroit, Mich. Self-centering detachable coupling for machine tools. 2,526,998, Oct. 24.
Davis, James W., Aberdeen, Wash. Lock for electric terminal connections. 2,511,906, June 20.
Davis, John G., and C. Jacobsen, Portland, Oreg. Apparatus for and method of toasting foodstuffs. 2,504,110, Apr. 18.
Davis, John W., El Monte, Calif. Pivoted bathtub. 2,514,848, July 11.
Davis, Lee: *See*— Flanders, Ralph E., and Davis.
Davis, Lee Y., Atlanta, Ga. Concrete form. 2,513,008, June 27.
Davis, Lincoln K., Brockton, Mass. Cigarette lighter. 2,528,500, Nov. 7.
Davis, Lionel A., Lindfield, near Sydney, New South Wales, Australia. Watertight container. 2,522,480, Sept. 12.
Davis, Luther C., Thomaston, Ga. Toilet case. 2,525,209, Oct. 10.
Davis, Malcom A., Jacksonville, Fla. Chimney for liquid fuel burners. 2,517,985, Aug. 8.
Davis, Malcolm I., Jr., assignor of twenty per cent to B. B. Davis, New York, N. Y., twenty per cent to T. Wallace, IV, and twenty per cent to M. M. Wallace, Woodbridge, Conn. Baby support for use in bathtubs. 2,503,938, Apr. 11.
Davis, Maurice F., Syracuse, N. Y., assignor to General Electric Company. High-frequency heating apparatus. 2,512,311, June 20.
Davis, Melvin C., Denver, Colo. Coupling flange. 2,528,343, Oct. 31.
Davis, Menno H., Detroit, Mich. Collapsible auxiliary seat. 2,497,658, Feb. 14.
Davis, Meyer, Chicago, Ill. Automatic camera focusing device. 2,506,347, May 2.
Davis, Milford, assignee: *See*— Gjertson, Melvin J.
Davis, Milton E., New York, N. Y. Garment construction. 2,517,289, Aug. 1.
Davis, Murray C.: *See*— Davis, Reese G. and M. C.
Davis, Nelson L., Chicago, Ill. Mineral separation apparatus and process. 2,516,962, Aug. 1.
Davis, Nelson L., Chicago, Ill. Mineral separation process. 2,521,152, Sept. 5.
Davis, Nelson L., Chicago, Ill. Densifier. 2,521,347, Sept. 5.
Davis, Noble L.: *See*— Chapin, Bernard L., Davis, and Cabot.
Davis, Pat R., Amarillo, Tex. Ranch and farm service unit. 2,524,963, Oct. 10.
Davis, Paul B., and J. N. Pryor, assignors to The Davison Chemical Corporation, Baltimore, Md. Moisture indicator. 2,526,938, Oct. 24.
Davis, Pearl D., and E. P. Porter, Jr., Bellfontaine, Ohio. Singing bird clock. 2,504,811, Apr. 18.
Davis, Phillip W., Stockbridge, Mass. Sheath for hunting knives. 2,528,501, Nov. 7.
Davis, R. Burnett, Seattle, Wash. Air filter. 2,505,175, Apr. 25.
Davis, Ralph C., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Control apparatus. 2,495,160, Jan. 17.
Davis, Ralph P., Squantum, Mass. Wrench frame mounting a pivoted inner jaw fulcruming on a nut rotatable on threaded shank of a sliding outer jaw. 2,493,529, Jan. 3.
Davis, Raymond A., Seattle, Wash. Fishing boat hold and cold storage construction. 2,529,651, Nov. 14.
Davis, Reese G. and M. C., Forty Fort, Pa. Hinge. 2,527,403, Oct. 24.
Davis Regulator Company, assignee: *See*— Davis, George C.
Davis, Richard C., Great Neck, and V. F. Bohman, Astoria, N. Y., and C. E. Germanton, Summit, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Aircraft trainer. 2,519,233, Aug. 15.
Davis, Robert L.: *See*— Macintyre, John R., and Davis.
Davis, Robert L., assignor to American Seating Company, Grand Rapids, Mich. Apparatus for heating canned foods. 2,532,014, Nov. 28.
Davis, Robert S., Ajo, Ariz., assignor of one half to R. E. Edgington, Cleveland, Ohio. Camp kit having two table closures providing multiple seals. 2,497,156, Feb. 14.
Davis, Roy P. M., assignee: *See*— Shaeffer, Norbert.
Davis, Roy P. M., Hollywood, Calif. Haircutting comb. 2,519.954, Aug. 22.
Davis, S. H., Paper Box Company, The, assignee: *See*— Davis, Stanley H.
Davis, Stanley H., Middlesworth and Milstein.
Davis, Stanley H., assignor to The S. H. Davis Paper Box Company, Toledo, Ohio. Article holding and display container. 2,503,379, Apr. 11.

Davis, Stanley H., L. F. Middlesworth and A. L. Milstein, assignors to The S. H. Davis Paper Box Company, Toledo, Ohio. Article holding insert for containers. 2,511,569, June 13.

Davis, Thomas: *See*—
Perret, William R., and Davis.
Wohlers, Herbert C., and Davis.

Davis, Thomas J., and V. B. Miller, Beaumont, Tex. Tubing cleaning device. 2,497,659, Feb. 14.

Davis & Thompson Company, assignee: *See*—
Weimer, William H.

Davis, Vincent C.: *See*—
Ausman, Milton A., Davis, and Hundere.

Davis, Verne L., La Crescenta, Calif. Endless conveyer for viewing apparatus. 2,521,348, Sept. 5.

Davis, Verner F., West Orange, assignor to Atlas Valve Company, Newark, N. J. Snap-action control mechanism. 2,530,652, Nov. 21.

Davis, Vernon C., Holabird, S. Dak. Device to prevent breakage of poles and wires. 2,535,270, Dec. 26.

Davis, Vernon J., Buffalo, N. Y. Lawn mower. 2,528,041, Oct. 31.

Davis, Vincent C., Oakland, assignor to California Research Corporation, San Francisco, Calif. Electrical bridge network. 2,504,965, Apr. 25.

Davis, Walter R., Hitchin, England, assignor to Imperial Chemical Industries Limited. Production of ammonium nitrate charges. 2,509,812, May 30.

Davis, Wells L.: *See*—
Marco, Salvatore M., and Davis.

Davis, Wilbur A., assignor of one-half to G. W. Davis, Gibson City, Ill. Clip for pens and pencils. 2,531,113, Nov. 21.

Davis, William C., New Canaan, Conn., and W. H. Woodrow, Wilbraham, Mass., assignors to Monsanto Chemical Company, St. Louis, Mo. Creasing device. 2,526,202, Oct. 17.

Davis, William F., Westport, N. Y. Antiskid device for auto tires. 2,505,102, Apr. 25.

Davis, William L., assignee: *See*—
Letner, Frank A.

Davis, William L., Savannah, Ga., assignor to Union Bag & Paper Corporation, New York, N. Y. Adjustable cam mechanism. 2,528,344, Oct. 31.

Davis, William L., Wray, Colo. Coaxial switch. 2,509,217, May 30.

Davis, William W., Greenwood, assignor to Eli Lilly and Company, Indianapolis, Ind. Linear measuring device having light projection means. 2,498,030, Feb. 21.

Davison Chemical Corporation, The, assignee: *See*—
Davis, Paul B., and Pryor.
Legal, Casimer C., Tongue, and Wight.
Nicholson, Finley C., and Wilson.
Patrick, Walter A., Jr.
Waring, Charles E., and Legal, Jr.
Wight, Edward H., and Tongue.

D'Avitaya, Raymond F. A. V., Marseille, France. Driving of motion-picture film. 2,532,542, Dec. 5.

Davitcho, Samuel I., Montreal, Quebec, Canada. Comb. 2,497,209, Feb. 14.

Davitcho, Samuel I., Montreal, Quebec, Canada. Juice extractor for squeezing the juice from lemons, oranges, and other fruits. 2,507,963, May 16.

Davol Rubber Company, assignee: *See*—
Little, Jesse.

Davolt, Elton, Kelso, Wash. Starter booster. 2,529,921, Nov. 14.

Daw, Reginald F., Harbourne, and H. R. Fletcher, Ward End, England, assignors to Dunlop Tire and Rubber Corporation, Buffalo, N. Y. Circumferentially distributed thrust type tire removing apparatus. 2,518,126, Aug. 8.

Dawance, Jean: *See*—
Braconier, Frederic F. A., and Dawance.

Dawbarn, Waring L., Winchester, assignor to Dewey and Almy Chemical Company, North Cambridge, Mass. Lift-calibrating nozzle for meteorological balloons. 2,524,562, Oct. 3.

Dawes, Bailey P., Palo Alto, Calif. Condenser. 2,508,815, May 23.

Dawes, Robert T., Hudson, Mass. Ribbon-type parachute canopy. 2,520,533, Aug. 29.

Dawsey, Lynn H., R. R. Umhoefer, and C. K. Muehlhausser, Kenmore, assignors to Buffalo Electro-Chemical Company, Inc., Tonawanda, N. Y. Production of tetrahydroanthraquinones. 2,495,229, Jan. 24.

Dawson, Charles R., New York, and D. Wasserman, Brooklyn, N. Y., assignors, by mesne assignments, to The Harvel Corporation. Azo dyestuffs. 2,496,151, Jan. 31.

Dawson, Charles R., New York, and D. Wasserman, Brooklyn, N. Y., assignors, by mesne assignments, to The Harvel Corporation. 4-amino-3-pentadecyl phenol. 2,502,436, Apr. 4.

Dawson, Charles R., New York, and D. Wasserman, Brooklyn, N. Y., assignors, by mesne assignments, to The Harvel Corporation. Tri-nitro 3-pentadecyl phenols. 2,502,437, Apr. 4.

Dawson, Charles R., New York, and D. Wasserman, Brooklyn, N. Y., assignors, by mesne assignments, to The Harvel Corporation. Nitro-hydrogenated cardanols and preparing same. 2,502,708, Apr. 4.

Dawson, Edward G.: *See*—
Gerli, David C., and Dawson.

Dawson, Emma R., assignee: *See*—
Smith, Samuel H.

Dawson, Fred, Manchester, England, assignor to Imperial Chemical Industries Limited. Production of dispersions containing solid polymers of ethylene. 2,496,907, Feb. 7.

Dawson, George, Jr., Malvern, assignor to Paragon Oil Company, Inc., Brooklyn, N. Y. Can and drum filling machine. 2,512,199, June 20.

Dawson, James C., Jr., Kirkwood, assignor to Loose Leaf Metals Co., St. Louis, Mo. Loose-leaf binder device. 2,528,866, Nov. 7.

Dawson, James F., Houston, Tex. Deep fat fryer. 2,535,905, Dec. 26.

Dawson, John H., Rockville, Md. Dice game device. 2,526,123, Oct. 17.

Dawson, John H., Rockville, Md. Biscuit or cooky cutter. 2,526,811, Oct. 24.

Dawson, John W., Auburndale, assignor to Raytheon Manufacturing Company, Newton, Mass. Condenser welding system. 2,508,103, May 16.

Dawson, John W., Auburndale, assignor to Raytheon Manufacturing Company, Newton, Mass. Resistance welding system. 2,508,708, May 23.

Dawson, John W., Auburndale, assignor to Raytheon Manufacturing Company, Newton, Mass. Condenser discharge system. 2,525,872, Oct. 17.

Dawson, John W., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Condenser charging system. 2,515,635, July 18.

Dawson, John W., West Newton, and D. P. Faulk, Waltham, assignors to Raytheon Manufacturing Company, Newton, Mass. Control circuits. 2,499,730, Mar. 7.

Dawson, John W., West Newton, and H. Klemperer, Belmont, assignors to Raytheon Manufacturing Company, Newton, Mass. Electrical system. 2,515,634, July 18.

Dawson, John W., West Newton, and H. Klemperer, Belmont, assignors to Raytheon Manufacturing Company, Newton, Mass. Condenser welding system. 2,515,636, July 18.

Dawson, Reginald D., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Oil base drilling fluid. 2,497,398, Feb. 14.

Dawson, Reginald D., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Emulsion fluid for drilling wells. 2,509,588, May 30.

Dawson, Richard S., Evanston, assignor to Henry Valve Company, Incorporated, Chicago, Ill. Combination drier and accumulator. 2,504,184, Apr. 18.

Dawson, Samuel E.: *See*—
Pimlott, John R., and Dawson.

Dawson, Wilfred P., Detroit, Mich. Winding mechanism. 2,529,075, Nov. 7.

Dawson, William O., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Reacting a chrome-tanned hide first with a sulfonic acid syntan and then with methylolmelamine. 2,522,666, Sept. 19.

Day, Bernard C., assignor to Bryant Chucking Grinder Company, Springfield, Vt. Gear holding diaphragm chuck. 2,535,199, Dec. 26.

Day, Chester B., and E. G. Gault, Wewoka, Okla. Earth drill bit. 2,524,428, Oct. 3.

Day, Eugene C., San Mateo, Calif. Paint can attachment. 2,532,895, Dec. 5.

Day, Everett E., Andover, assignor to The Bolta Company, Lawrence, Mass. Simultaneously molded bridge stop construction for sliding clasp fasteners. 2,511,397, June 13.

Day, George A., and B. G. Hoos, assignors to Brown Company, Berlin, N. H. Bleaching treatment for cellulosic materials. 2,513,787, July 4.

Day, George A., and B. G. Hoos, assignors to Brown Company, Berlin, N. H. Bleaching of sulfate wood pulp. 2,513,788, July 4.

Day, Harold M.: *See*—
Arms, Merton H., Grobey, and Day.
Jayne, David W., Day, and Gieseke.
Jayne, David W., Jr., and Day.

Day, Harold M., Cos Cob, Conn., assignor to American Cyanamid Company, New York, N. Y. Preparation of cation active resins. 2,497,054, Feb. 7.

Day, Harold M., Cos Cob, Conn., and R. L. De Hoff, Flemington, N. J., assignors to American Cyanamid Company, New York, N. Y. Preparation of cation active resins 2,522,569, Sept. 19.

Day, James R., Ottumwa, Iowa, assignor to Deere Manufacturing Co. Crop comminuting machine. 2,535,122, Dec. 26.

Day, James R., Peconic, assignor to Press Wireless, Inc., New York, N. Y. Wave transmission filter circuits. 2,510,868, June 6.

Day, John G., Seattle, Wash. Box hook. 2,506,349, May 2.

Day, Luther V., Gosport, Ind., assignor to National Tool and Die Company, Inc., Louisville, Ky. Window movement control spring. 2,505,638, Apr. 25.

Day, Maurice J., Oak Park, Ill., assignor to Carnegie-Illinois Steel Corporation. Production of thermally hardenable boron-titanium steels. 2,528,867, Nov. 7.

Day, Ralph K., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Fabricating glazing units. 2,521,048, Sept. 5.
Day, Ray E., Detroit, Mich. Casting metals. 2,497,210, Feb. 14.
Day, William B.: *See*—
Litchford, George B., and Day.
Day, William M., Salisbury, Md., and R. L. Fryer, Jr., Washington, D. C. Container with capillary controlled dispensing means. 2,495,230, Jan. 24.
Daye, Marvin H., Henderson, Tex. Pump plunger packing. 2,531,672, Nov. 28.
Dayger, Jonas E., Binghamton, and O. B. Shafer, Owego, assignors to International Business Machines Corporation, New York, N. Y. Record feeding device. 2,528,427, Oct. 31.
Daystrom Corporation, assignee: *See*—
Kipp, Karl.
Dayton, Carl S.: *See*—
Young, James F., and Dayton.
Dayton, Carl S., Bridgeport, Conn., assignor to General Electric Company. Gear and clutch mechanism for spinner type clothes-washing machines. 2,517,088.
Dayton Folding Box Company, The, assignee: *See*—
Buerger, William J.
Dayton, Grant H., Kingsburg, Calif. Rotary power cultivator. 2,531,557, Nov. 28.
Dayton Malleable Iron Company, The, assignee: *See*—
Crome, Lester C.
Dayton Pump and Mfg. Company, The, assignee: *See*—
Eickmeyer, Earl E., and Mains.
Dayton Rubber Company, The, assignee: *See*—
Bacon, Henry M.
Crosby, Melvin A., and Luaces.
Rockoff, Joseph.
Rothermel, Edward M.
Waugh, Dale L.
Wolfe, H. Hix.
Daze, Henry, Mount Vernon, N. Y. Cigarette holder. 2,502,831, Apr. 4.
Dazley, Frederick C., Startford, Conn., assignor to General Electric Company. Lamp holder for circular lamps. 2,534,955, Dec. 19.
Dazzi, Joachim, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Plasticized vinyl chloride polymers. 2,520,084, Aug. 22.
Dazzi, Joachim, and C. H. Rector, Jr., Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Vinyl chloride compositions. 2,498,602, Feb. 21.
Deacy, William H., New York, N. Y., assignor to Vermont Marble Company, Proctor, Vt. Forming letters in stone and resulting product. 2,524,593, Oct. 3.
Deakin, Gerald, assignor to International Standard Electric Corporation, New York, N. Y. Contact brush spreader and guide for electric selector switches. 2,495,701, Jan. 31.
Deakin, Gerald, assignor to International Standard Electric Corporation, new York, N. Y. Combined contact brush guide and spreader for electric selector switches. 2,495,702, Jan. 31.
Deakin, Gerald, assignor to International Standard Electric Corporation, New York, N. Y. Remote position control system. 2,498,654, Feb. 28.
Deakin, Gerald, assignor to International Standard Electric Corporation, New York, N. Y. Selector switch. 2,502,438, Apr. 4.
Deakin, Gerald, assignor to International Standard Electric Corporation, New York, N. Y. Telecommunication system. 2,502,439, Apr. 4.
Deakin, Gerald, assignor to International Standard Electric Corporation, New York, N. Y. Variable impulse transmitter. 2,502,440, Apr. 4.
Deakin, Gerald, assignor to International Standard Electric Corporation, New York, N. Y. Reciprocating drive mechanism for automatic selectors and similar devices. 2,510,084, June 6.
Deakin, Gerald, assignor to International Standard Electric Corporation, New York, N. Y. Chain drive for universal selectors. 2,512,612, June 27.
Deakin, Gerald, assignor to International Standard Electric Corporation, New York, N. Y. Reciprocating drive mechanism for automatic selectors and similar devices. 2,517,546, Aug. 8.
Deakin, Gerald, assignor to International Standard Electric Corporation, New York, N. Y. Night switching for private automatic branch exchanges. 2,520,130, Aug. 29.
Deakin, Gerald, assignor to International Standard Electric Corporation, New York, N. Y. Selector switch carriage control means. 2,520,131, Aug. 29.
Deakin, Gerald, assignor to International Standard Electric Corporation, New York, N. Y. Calling party identification for automatic telephone systems. 2,524,773, Oct. 10.
Deakin, Gerald, assignor to International Standard Electric Corporation, New York, N. Y. Telephone system. 2,524,774, Oct. 10.
Deakin, Gerald, New York, N. Y., and J. C. Jablonowski, Jersey City, N. J., assignors to International Standard Electric Corporation, New York, N. Y. Selector switch drive. 2,510,085, June 6.
Deakin, Stanley T., Ewell West, assignor to British Mechanical Productions Limited, Leatherhead, Surrey, England. Thermionic valve holder. 2,493,658, Jan. 3.
Deakin, Stanley T., Ewell West, assignor to British Mechanical Productions Limited, Leatherhead, England. Saddle fixing for thermionic valve holders and other electrical components. 2,495,838, Jan. 31.
Deal, Carl H., Jr.: *See*—
Nixon, Alan C., Deal, and Evans.
Deal, Erastus C., Rye, assignor to Deal Slide-Lock Devices, Inc., New York, N. Y. Adjustable lock. 2,521,836, Sept. 12.
Deal, Erastus C., Rye, assignor to Deal Slide-Lock Devices, Inc., New York, N. Y. Brake with drive release. 2,531,970, Nov. 28.
Deal, Harmon B.: *See*—
Rankin, John A., Alexander, and Deal.
Deal, Louis L., Rye, assigner to Deal Slide-Lock Devices, Inc., New York, N. Y. Adjustable locking device. 2,521,835, Sept. 12.
Deal, Louis L., Rye, assignor to Deal Slide-Lock Devices Inc., New York, N. Y. Adjustable locking device. 2,531,971, Nov. 28.
Deal Slide-Lock Devices, Inc., assignee: *See*—
Deal, Erastus C.
Deal, Louis L.
Deal, Troy M., Cedar Rapids, Iowa, assignor to Link-Belt Speeder Corporation. Dragline bucket. 2,525,528, Oct. 10.
Dean, Albert G, Narberth, assignor to The Budd Company, Philadelphia, Pa. Joint structure between underframe and side wall subassemblies of railway cars. 2,504,656, Apr. 18.
Dean, Albert G., Narberth, assignor to The Budd Company, Philadelphia, Pa. Body for vehicles, especially railway cars. 2,504,660, Apr. 18.
Dean, Albert G., Narberth, assignor to The Budd Company, Philadelphia, Pa. Door operator. 2,514,033, July 4.
Dean, Albert G., Narberth, assignor to The Budd Company, Philadelphia, Pa. Supporting railway cars on their trucks. 2,514,034, July 4.
Dean, Albert G., Narberth, assignor to The Budd Company, Philadelphia, Pa. Roof and side wall connection for railway cars and similar vehicles. 2,514,122, July 4.
Dean, Albert G., Narberth, assignor to The Budd Company, Philadelphia, Pa. Roof and side wall construction of bodies for land vehicles, especially railway cars. 2,514,123, July 4.
Dean, Albert G. and W. B., Narberth, assignors to The Budd Company, Philadelphia, Pa. End underframe construction for vehicles, especially railway cars. 2,504,112, Apr. 18.
Dean, Albert G., Narberth, and N. W. Fesmire, Willow Grove, assignors to The Budd Company, Philadelphia, Pa. Sleeping car facilities. 2,514,032, July 4.
Dean, David: *See*—
Glascoe, Paul K., and Dean.
Dean, David, and R. C. Houck, assignors to Eastman Kodak Company, Rochester, N. Y. Color process involving change in isoelectric point of gelatin. 2,529,922, Nov. 14.
Dean, Dion K., Rahway, N. J., assignor to Foster Wheeler Corporation, New York, N. Y. Apparatus for the stripping of volatiles from fluids. 2,500,934, Mar. 21.
Dean, Elliott D., Putnam, Conn., and A. H. Rogers, North Billerica, Mass., assignors, by mesne assignments, to The Putnam Needle Company. Machine for grinding down conical points of drawn steel rods. 2,528,042, Oct. 31.
Dean, George A., Radburn, N. J., assignor to Curtiss-Wright Corporation. Blade seal for propeller spinners. 2,498,072, Feb. 21.
Dean, Herbert J., Bay City, Mich. Fishline straightener and conditioner. 2,517,089, Aug. 1.
Dean, Joe O., Wallingford, Conn. Cap and clip for pens or the like. 2,501,439, Mar. 21.
Dean, John R., assignor of one-half to C. H. Darby, Buffalo, N. Y. Window cleaning device. 2,521,967, Sept. 12.
Dean, Karl C.: *See*—
Poole, Henry G., Ravitz, and Dean.
Dean, Kenneth W., H. S. Beattie, and R. E. Page, Poughkeepsie, assignors to International Business Machines Corporation, New York, N. Y. Sorting apparatus. 2,531,874, Nov. 28.
Dean, Raymond M., Westfield, and E. P. Cashman, Bayonne, N. J., assignors to Standard Oil Development Company. Manufacture of organo-substituted acids of phosphorous. 2,523,147, Sept. 19.
Dean, Reginald S. and F. R. Keeshan, Jr., Washington, D. C.; said Keeshan, Jr. assignor to said Dean. Sulfur coated diaphragm and making same. 2,519,891, Aug. 22.
Dean, Russell T., Baltimore, Md., assignor to American Cyanamid Company, New York, N. Y. Rubberlike polymers plasticized with dibutyl dihydracrylate. 2,498,532, Feb. 21.
Dean, Walter B.: *See*—
Dean, Albert G. and W. B.
Dean, Walter B., Narberth, assignor to The Budd Company, Philadelphia, Pa. Body, especially roof and vehicles such as railway cars. 2,504,111, Apr. 18.

Dean, Walter B., Narberth, assignor to The Budd Company, Philadelphia, Pa. Underframe for vehicles, especially railway cars. 2,504,113, Apr. 18.

Dean, Walter B., Narberth, assignor to The Budd Company, Philadelphia, Pa. Body for vehicles, especially railway cars. 2,504,657, Apr. 18.

Dean, Walter B., Narberth, assignor to The Budd Company, Philadelphia, Pa. Body side wall for vehicles, especially railway cars. 2,504,659, Apr. 18.

Dean, Walter B., Narberth, and N. W. Fesmire, Willow Grove, assignors to The Budd Company, Philadelphia, Pa. Sleeping car room arrangement. 2,498,255, Feb. 21.

Dean, Walter B., Narberth, and G. C. Smith, Glenside, Pa., assignors, by mesne assignments, to Heywood-Wakefield Company, Gardner, Mass. Reclining seat. 2,508,598, May 23.

Dean, Walter N., Washington, D. C., assignor to The Sperry Corporation. Automatic volume control. 2,519,359, Aug. 22.

Dean, William F., Warrington, Fla. Storm ventilator. 2,520,625, Aug. 29.

Dean, William W. H., Pointe Claire, Quebec, Canada, assignor to Radio Corporation of America. Control circuit. 2,496,446, Feb. 7.

Dean, William W. H., Pointe Claire, Quebec, Canada, assignor to Radio Corporation of America. Peak limiting expanding amplifier. 2,507,145, May 9.

Dean, William W. H., Pointe Claire, Quebec, Canada, assignor to Radio Corporation of America. Automatic gain control of an audio system. 2,507,695, May 16.

Deanesly, Richard M., Hinsdale, assignor to Universal Oil Products Company, Chicago, Ill. Reactor for high-temperature cracking. 2,529,598, Nov. 14.

De Angelis, Frederick, Hasbrouck Heights, N. J. Metal fabric cleaning pad with pockets. 2,517,637, Aug. 8.

De Anglis, Mario, Okanogan, Wash. Sewage disposal system. 2,518,292, Aug. 8.

De Anguera, Eva, assignee: *See*—
De Anguera, Philip.

De Anguera, Philip, Cincinnati, assignor to E. de Anguera, Hamilton, Ohio. Heavy-duty vehicle. 2,518,293, Aug. 8.

Deans, Lillian W., Charlotte, N. C. Mounting for cornices. 2,513,009. June 27.

Dear, Alexander T. C., assignor to Lewin Road Sweepers Limited, West Bromwich, England. Refuse collecting vehicle. 2,505,731, Apr. 25.

Dear, Alexander T. C., assignor to J. Bruckhouse & Company Limited, West Bromwich, England. Coupling for vehicles. 2,516,555, July 25.

Dear, Earl, New London, assignor to The Hancock Brick & Tile Company, Findlay, Ohio. Tile handling and cut-off mechanism. 2,494,037, Jan. 10.

Dearborn, Arthur S., assignor to Ampro Corporation, Chicago, Ill. Safety shutter for picture projectors. 2,504,966, Apr. 25.

Dearborn Chemical Company, assignee: *See*—
Gunderson, Lewis O.
Loudenback, Clyde I., and Riesen.

Dearborn Company, The, assignee: *See*—
Kelly, Gooding N.

Dearborn Glass Company, assignee: *See*—
Gilstrap, Vernon M.

Dearborn Motors Corporation, assignee: *See*—
Simmonds, John J.
Simmonds, Wayne W.

Dearborn, Robert J., and J. A. Stekol, Toledo, Ohio, assignors to International Minerals and Chemical Corporation. Resolution of amines with pyrrolidone carboxylic acid. 2,528,267, Oct. 31.

Deardorff, C. E., Inc., assignee: *See*—
Deardorff, Clarence E.

Deardorff, Clarence E., Sacramento, Calif., assignor to C. E. Deardorff, Inc. Cream separator. Re. 23,215, Apr. 4.

Deardorff, Clinton E., San Fernando, and W. E. Elder, Sherman Oaks, Calif., assignors to Bendix Aviation Corporation, South Bend, Ind. Valve. 2,509,589, May 30.

Deardorff, Clinton E., San Fernando, and A. A. Meddock, North Hollywood, Calif., assignors to Bendix Aviation Corporation, South Bend, Ind. Lever handle detent and release. 2,512,312, June 20.

Dearman, James V., Hollywood, Calif. Fountain pen. 2,521,285, Sept. 5.

De Armond, James K., Arlington, Va. Optimum frequency radio communication system. 2,521,696, Sept. 12.

De Armond, Raymond, Collinsville, Okla. Combination wire-stretching tool. 2,501,500, Mar. 21.

Dearsley, George: *See*—
Molins, Desmond W., Ruau, and Dearsley.

Dearsley, George, assignor to Molins Machine Company Limited, London, England. Rotary tobacco cutting machine. 2,535,672, Dec. 26.

Dearsley, George, Scarsdale, N. Y., assignor to Molins Machine Company Limited, London, England. Packet making or other machines comprising intermittently rotatable disks or turrets. 2,512,922, June 27.

Deatherage, William N., assignee: *See*—
Simons, Lowell W.

De Back, William, San Jose, Calif., assignor to Food Machinery and Chemical Corporation. Oiling system for lifts. 2,504,661, Apr. 18.

De Baufre, William L., Lincoln, Nebr. Process and apparatus for removing water vapor and carbon dioxide from gases. 2,503,939, Apr. 11.

De Baufre, William L., Lincoln, Nebr. Process and apparatus for variable low temperature refrigeration. 2,506,350, May 2.

De Baufre, William L., Lincoln, Nebr. Gas liquefaction process and apparatus. 2,520,626, Aug. 29.

De Baun, John E., Upper Saddle River, N. J. Educational game. 2,493,477, Jan. 3.

De Beauregard, Amedee C., Locust Valley, N. Y., assignor to Specialties, Inc. Safe pull-out altitude computer. 2,524,007, Sept. 26.

De Becze, George: *See*—
Liebmann, Alfred J., and de Becze.

De Becze, George, and A. J. Liebmann, Cincinnati, Ohio, assignors to Schenley Industries, Inc. Apparatus for aerating liquids. 2,530,814, Nov. 21.

De Bell, George W., East Chatham, N. Y., assignor to Beneke Corporation, Columbus, Miss. Toilet seat hinge and stop. 2,535,789, Dec. 26.

De Benedictis, Aldo: *See*—
Luten, Daniel B., Jr., and De Benedictis.
Luten, Daniel B., Jr., Hedberg, and De Benedictis.

Debenham, William S., Chicago, Ill., assignor to Carnegie-Illinois Steel Corporation. Making basic furnace bottoms. 2,504,185, Apr. 18.

De Benneville, Peter L.: *See*—
Bock, Louis H., and de Benneville.

De Benneville, Peter L., assignor to Rohm & Haas Company, Philadelphia, Pa. Butenylene bis (ammonium halides). 2,525,777, Oct. 17.

De Benneville, Peter L., Philadelphia, Pa., L. J. Armstrong, Wenona, Ill., and L. H. Bock, Huntingdon Valley, Pa., assignors to Röhm & Haas Company, Philadelphia, Pa. Quaternated 3,5-dimethylphenyl ethers. 2,499,213, Feb. 28.

De Benneville, Peter L., Philadelphia, and L. H. Bock, Huntingdon Valley, assignors to Röhm & Haas Company, Philadelphia, Pa. Quaternary ammonium compounds from halomethylated 3,5-dimethylphenyl polyethers. 2,499,214, Feb. 28.

De Benneville, Peter L., Philadelphia, and L. H. Bock, Huntingdon Valley, assignors to Röhm & Haas Company, Philadelphia, Pa. Quaternary ammonium derivatives from halomethylated polymers of 3,5-dimethylphenyl ethers. 2,499,215, Feb. 28.

De Benneville, Peter L., Philadelphia, Pa., L. H. Bock, Shelton, Wash., and R. W. Gormly, Collingswood, N. J., assignors to Rohm & Haas Company, Philadelphia, Pa. Xylylene bis (quaternary ammonium halides). 2,519,440, Aug. 22.

De Benneville, Peter L., Philadelphia, Pa., and R. W. Gormly, Collingswood, N. J., assignors to Rohm & Haas Company, Philadelphia, Pa. Tris-quaternary salts of 1,3,5-tris-dimethylaminomethyl benzene and alkyl benzyl chlorides. 2,519,441, Aug. 22.

De Benneville, Peter L., Philadelphia, Pa., and R. W. Gormly, Collingswood, N. J., assignors to Rohm & Haas Company, Philadelphia, Pa. Dialkoxyxylylene-bis-quaternary salts. 2,519,999, Aug. 22.

De Benneville, Peter L., Philadelphia, Pa., and L. H. Bock, Shelton, Wash., assignors to Rohm & Haas Company, Philadelphia, Pa. 1,4-but-2-yne bis quaternary ammonium halides. 2,525,778, Oct. 17.

De Benneville, Peter L., Philadelphia, Pa., and R. W. Gormly, Collingswood, N. J., assignors to Rohm & Haas Company, Philadelphia, Pa. Alkane bis quaternary ammonium salts. 2,525,779, Oct. 17.

De Benneville, Peter L., Philadelphia, Pa., and H. D. Segood, Flushing N. Y., assignors to Allied Chemical & Dye Corporation. Benzhydryl esters as insecticides. 2,530,653, Nov. 21.

De Blasio, Conrad G., Red Bank, N. J. Magnetic recorder adapter for motion-picture projectors. 2,532,761, Dec. 5.

De Boer, Grey, New York, N. Y. Hair dressing device. 2,518,667, Aug. 15.

De Boer, Jan, and G. Schenkel, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Pickup provided with a member for protecting the scanning needle. 2,496,861, Feb. 7.

De Boer, Jan, and G. Schenkel, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electrodynamic pickup. 2,509,968, May 30.

De Boer, Kornelis, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Device for the stereophonic transmission of sound. 2,520,798, Aug. 29.

De Boer, Kornelis, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Stereophonic sound recording system. 2,532,150, Nov. 28.

De Boer, Willis, Williamsville, G. A. Betts, Eggertsville, and E. C. Polidor, Rochester, assignors to Precision Methods Co., Inc., Buffalo, N. Y. Optical projection comparison device. 2,504,503, Apr. 18.

De Boisblanc, Deslonde R., Bartlesville, Okla., assignor to Phillips Petroleum Company. Detonation meter. 2,496,337, Feb. 7.

De Boisblanc, Deslonde R., Bartlesville, Okla., assignor to Phillips Petroleum Company. Volume control. 2,506,491, May 2.

De Boisblanc, Deslonde R., Bartlesville, Okla., assignor to Phillips Petroleum Company. Detonation voltage measuring means. 2,534,004, Dec. 12.
De Boisblanc, Deslonde R., Bartlesville, Okla., assignor to Phillips Petroleum Company. Detonation meter. 2,534,005, Dec. 12.
De Bose, George P., assignee: *See*—
Lea, Henry V.
De Brabander, Camiel, Newport, assignor to American Viscose Corporation, Wilmington, Del. Treating filamentary materials. 2,502,129, Mar. 28.
De Brey, Heinrich: *See*—
Rinia, Herre, de Brey, van Weenen, Boers, Sypkens, and van Heeckeren.
Debrie, Andrié V. L. C., Paris, France. Diaphragm strip for film printing. 2,504,813, Apr. 18.
Debrie, André V. L. C., Paris, France. Camera having film cutoff knife and removable magazine. 2,520,799, Aug. 29.
Debrie, André V. L. C., Paris, France. Gravity-operated friction means. 2,531,558, Nov. 28.
De Brocke, Ben H., Jackson Heights, N. Y. Tray for making ice cubes of various designs and shapes. 2,505,947, May 2.
De Bruyne, Norman A., Duxford, England, assignor, by mesne assignments, to Rohm & Haas Company, Philadelphia, Pa. Providing adhesion between surfaces. 2,499,134, Feb. 28.
De Bruyne, Norman A., assignor to Techne (Cambridge) Limited, Duxford, England. Device for maintaining a constant fluid pressure. 2,514,226, July 4.
De Buigne, Carl, Detroit, Mich. Knife sheath. 2,500,525, Mar. 14.
Debuit, Louis, Grenoble, France. Bicycle or motorcycle carrying a single steering wheel and transmission gears and connections therefor. 2,505,464, Apr. 25.
Debuit, Louis, Grenoble, France. Change-speed mechanism with permanently meshing gear wheels. 2,517,769, Aug. 8.
Debye, Peter P.: *See*—
Busse, Warren F., Lambert, and Debye.
Dec, Joseph: *See*—
Strain, William H., and Dec.
De Calignon, Philippe: *See*—
Urison, Jacques, de Calignon, and Pingard.
Decarlo, Vito, New Rochelle, N. Y. Hedge trimmer. 2,497,211, Feb. 14.
De Casson, Roger B., and L. Hemmer, Paris, France, assignors to Societe anonyme dite: Standart Francaise des Petroles. Producing synthetic lubricants. 2,518,529, Aug. 15.
Decatur Pump Company, assignee: *See*—
Burks, Arthur W.
Decca Record Company Limited, The, assignee: *See*—
Fennessy, Edward, and Roberts.
Grenfell, Alexis R.
O'Brien, William J.
O'Brien, William J., and Toller-Bond.
Toller-Bond, Dudley H.
Decepoli, Carmine, Belleville, N. J. Scoreboard. 2,527,621, Oct. 31.
De Cesaris, Frederick, Johnston, R. I., assignor to James Manufacturing Co., Inc. Key holder. 2,531,325, Nov. 21.
Dechamps, Georges, Liege, H. LeBihan, Embourg, and C. Beaudet, assignors to Societe Belge de l'Azote et des Produits Chimiques du Marly, Liege, Belgium. Adrenochrome mono-semicarbazone compound and haemostatic composition. 2,506,294, May 2.
De Champs, Gonzague, Paris, France, assignor to Societe Francaise Radio Electrique. Multiple switch. 2,528,345, Oct. 31.
Dechant, Frederick H., U. S. Navy. Valve and meter apparatus. 2,500,156, Mar. 14.
Deck, George C., Buffalo, N. Y. Hanger for trousers and skirts. 2,493,860, Jan. 10.
Deck, John C.: *See*—
Moyer, Wilmer L., and Deck.
Decker, George A., Fenton, assignor to Link Aviation, Inc., Binghamton, N. Y. Signaling means for training devices. 2,493,228, Jan. 3.
Decker, John B.: *See*—
McArthur, Herbert A., and Decker.
Decker, John F., Albany, N. Y. Electrical circuits for test meters. 2,517,638, Aug. 8.
Decker, William E., Melrose Highlands, Mass., assignor to Technical Specialties Company. Methylation of xanthine to form caffeine. 2,509,084, May 23.
Deckert, Oscar R., Newtonville, Mass. Meat tendering machine. 2,516,621, July 25.
Declercq, Aimé, Brussels, Belgium. Bicycle type racing device. 2,504,007, Apr. 11.
De Conti, Peter, New Britain, Conn. Hand cultivator and weeder. 2,529,542, Nov. 14.
De Coste, John B., Basking Ridge, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Stable curable polyorganosiloxane compositions. 2,516,047, July 18.
De Coste, John B., Basking Ridge, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sealing composition. 2,532,699, Dec. 5.
De Coursey, Everson M.: *See*—
Thelander, W. Vincent, and De Coursey.
De Craene, Edmond P., Westchester, assignor to Crane Co., Chicago, Ill. Unit providing mechanical movement responsive to temperature changes. 2,507,466, May 9.
De Craene, Edmond P., Westchester, R. Fennema and F. J. Cantalupo, assignors to Crane Co., Chicago, Ill. Toggle operating mechanism for valves. 2,515,498, July 18.
Dederich, Fred S., assignor to S. C. Johnson & Son, Inc., Racine, Wis. Conveyer gate. 2,528,868, Nov. 7.
Dedieu, Jean, His Haute-Garonne, France. Guided motion transmission. 2,522,607, Sept. 19.
De Directie van de Staatsmijnen in Limburg, assignee: *See*—
De Koning, Jacob.
Driessen, Maximiliaan G.
Plusje, Mathijs H. R. J.
Plusje, Mathijs H. R. J., and van der Zalm.
Dedricks, Alvin N., assignor to Manitowoc Shipbuilding Company, Manitowoc, Wis. Latch construction. 2,499,818, Mar. 7.
Dee, Audrey M., Hollywood, Calif. Shoulder pad. 2,532,059, Nov. 28.
Dee, Jack: *See*—
Gillman, Stanley N., and Dee.
De Eds, Floyd, San Francisco, and A. N. Booth, Berkeley, Calif., assignors to the United States of America as represented by the Secretary of Agriculture. Isolating quercitrin. 2,534,250, Dec. 19.
Deere & Company, assignee: *See*—
Anderson, Ralph L.
Andrews, Norman F.
Andrews, Norman F., and Dort.
Andrews, Norman F., Dort, Verger, Coultas, and Hill.
Beckstrom, Carl V.
Bohmker, Thomas W., Walz, and Clark.
Brown, Theophilus.
Cade, William M.
Court, Frank T.
Johnson, Ellsworth T.
Lesser, Nathan.
Neighbour, Leonard B., and Korum.
Neighbour, Leonard B., and Roscoe.
Neighbour, Leonard B., and Thomann.
Oehler, Alvin W.
Oerman, Orey W.
Oerman, Orey W., and Peterson.
Paradise, Louis A.
Paradise, Louis A., Coultas, and Andrews.
Rocoe, Merrill W.
Scheid, Herman.
Silver, Walter H., and Cantral.
Silver, Walter H., and Cox.
Stueland, Harold M.
Walz, Claude W.
Walz, Claude W., and Clark.
Walz, Claude W., and Clausen.
Walz, Claude W., and Griff.
Walz, Claude W., Griff, and Clausen.
White, Charles H.
Deere Manufacturing Co., assignee: *See*—
Adolphson, Evert W.
Carlson, Bernard E.
Day, James R.
Du Shane, Wallace H.
Gustin, William E.
Hill, George B.
Hill, George B., and West.
Hill, George B., and Zollars.
Jirsa, Emil F.
Jirsa, Emil F., Hansen, and Bopp.
Jones, Frank D., and West.
Rich, Barrett G.
Tuft, Miles H.
West, James R.
Worthington, Wayne H.
Deering, Milliken & Co., Inc., assignee: *See*—
Field, Jacob M.
Deering Milliken Research Trust, assignee: *See*—
Anderson, Wilmer C.
Ingham, Robert M., Jr.
Wainwright, Lawrence.
Deering, Roland F.: *See*—
Deery, Roland F.
Deerwester, Lester W., Canton, Ohio. Bottle carrier. 2,513,715, July 4.
Deery, Roland F., now by judicial change of name to R. F. Deering, assignor to Union Oil Company of California, Los Angeles, Calif. Catalytic hydration of olefins. 2,496,621, Feb. 7.
Deeter, Everett L., Washington, D. C. Electronic control system. 2,503,248, Apr. 11.
De Fábregues-Boixar Soler, Juan Antonio, Barcelona, Spain. Manufacture of articles of cellular structure. 2,503,139, Apr. 4.
De Faymoreau, Etienne, New York, N. Y., and A. de Gouvenain, Paris, France, assignors to International Standard Electric Corporation, New York, N. Y. Radio aerial. 2,498,655, Feb. 28.
Deffenbaugh, John L.: *See*—
Davies, James M., and Deffenbaugh.
Defiance Manufacturing Company, assignee: *See*—
Graham, Clarence T.

De Flon, James G., assignor to The Fluor Corporation, Ltd., Los Angeles, Calif. Cooling tower water distribution system. 2,517,639, Aug. 8.
De Florez Engineering Company, Incorporated, assignee: *See*—
Budden, Edgar L.
Cashin, Frank J.
Getzoff, Edward M.
De Florez, Luis, U. S. Navy. Aircraft instrument. 2,496,274, Feb. 7.
De Florez, Luis, E. K. Smith, and G. W. Hoover, U. S. Navy. Wind drift equipment. 2,528,502, Nov. 7.
De Forest, Taber, Northbrook, and H. N. Staats, assignors to Magnaflux Corporation, Chicago, Ill. Detecting surface discontinuities in electrically poor conductive surfaces. 2,499,466, Mar. 7.
De Forest, Taber, Northbrook, and H. N. Staats, assignors to Magnaflux Corporation, Chicago, Ill. Detecting surface discontinuities. 2,499,467, Mar. 7.
De Forest, Taber, Northbrook, and H. N. Staats, assignors to Magnaflux Corporation, Chicago, Ill. Apparatus for detecting surface discontinuities. 2,515,396, July 18.
De Forest, Taber, Northbrook, and H. N. Staats, assignors to Magnaflux Corporation, Chicago, Ill. Detecting cracks in porous surfaces. 2,516,857, Aug. 1.
De France, Henri, Saint-Cloud, France. Picture and sound transmitter. 2,510,621, June 6.
De France, Henri G., Saint Cloud, France. Apparatus for determining a direction. 2,513,849, July 4.
De France, Henri G., and R. Bocquel, assignors to Tele-Industrie S. A. R. L., Paris, France. Television device for recording motion-pictures thereof. 2,531,031, Nov. 21.
Defranoux, Jacques M., Albertville, assignor to Societe D'Electro-Chimie D'Electro-Metallurgie et des Acieries Electriques D'Ugine, Paris, France. Chromium nickel steels. 2,523,000, Sept. 19.
De Frees, Edwin H., assignee: *See*—
Holcomb, Normand P., and Rothwell.
De Frees, Joseph H., assignor to Pennsylvania Furnace and Iron Company, Warren, Pa. Tank truck support. 2,497,115, Feb. 14.
De Frees, Joseph H., Warren, Pa. Fusible and frangible plug for safety systems. 2,508,231, May 16.
De Frees, Joseph H., Warren, Pa. Safety tank closure. 2,529,329, Nov. 7.
De Frees, Joseph H., assignor to Pennsylvania Furnace and Iron Company, Warren, Pa. Vented closure for milk tank manholes. 2,533,771, Dec. 12.
De Frees, Joseph H., assignor to Pennsylvania Furnace and Iron Company, Warren, Pa. Fire truck. 2,533,772, Dec. 12.
De Fremery, Frank, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Fork circuit for connecting a two-wire line to wireless transmitting and receiving channels. 2,504,008, Apr. 11.
De Fremery, Frank, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Radio direction finder. 2,530,600, Nov. 21.
De Fremery, Frank, and C. J. de L. de la Sablonière, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Beacon transmitter. 2,523,900, Sept. 26.
De Ganahl, Carl, Trenton, J. G. Coffin, Vincentown, and H. F. Basch, Moorestown, N. J., assignors to Kaiser Metal Products, Inc. Axial flow compressor. 2,505,755, May 2.
De Garmo, Richard E., Upper Montclair, N. J., assignor to National-Standard Company, Niles, Mich. Apparatus for handling rolled strip steel. 2,515,397, July 18.
Degerfors Jarnverks Aktiebolag, assignee: *See*—
Eriksson, Edvard E.
De Gier, Johannes, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electric discharge tube with directional electron beam. 2,509,763, May 30.
De Gier, Johannes, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electric discharge tube comprising a directional electron beam. 2,523,099, Sept. 19.
De Giers, Clarence A., Forest Hills, assignor to The Liquidometer Corporation, Long Island City, N. Y. Electric telemetering device. 2,505,350, Apr. 25.
De Giers, Clarence A., Forest Hills, assignor to The Liquidometer Corporation, Long Island City, N. Y. Indicating instrument deactivation indication apparatus. 2,511,399, June 13.
De Giers, Clarence A., Forest Hills, and A. Edelman, New York, assignors to The Liquidometer Corporation, Long Island City, N. Y. Wind direction indicator. 2,496,339, Feb. 7.
De Giers, Clarence A., Forest Hills, and A. Edelman, New York, assignors to The Liquidometer Corporation, Long Island City, N. Y. Tank contents gauge with attitude correction. 2,500,348, Mar. 14.
De Giers, Clarence A., Forest Hills, and R. A. F. Sandberg, Queens Village, assignors to The Liquidometer Corporation, Long Island City, N. Y. Device for controlling discharge rates from tanks. 2,509,629, May 30.
De Giers, Clarence A., Forest Hills, and A. Edelman, New York, assignors to The Liquidometer Corporation, Long Island City, N. Y. Float controlled capacitor transmitter. 2,511,398, June 13.
De Giers, Clarence A., Forest Hills, and L. M. Campani, Freeport, assignors to The Liquidometer Corporation, Long Island City, N. Y. Liquid level indicating device. 2,516,452, July 25.
Degnen, William J., Westfield, assignor to The M. W. Kellogg Company, Jersey City, N. J. Catalytically converting hydrocarbon oils. 2,515,369, July 18.
Degner, Charles F., Chicago, Ill. Pump means. 2,523,901, Sept. 26.
Degner, Charles F., Chicago, Ill. Cutting implement. 2,528,300, Oct. 31.
De Gouvenain, André: *See*—
De Faymoreau, Etienne, and de Gouvenain.
De Graaff, Antonius, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Current regulator tube. 2,530,686, Nov. 21.
De Gramont, Armand A. A., assignor to Optique et Precision de Levallois, Levallois-Perret, France. Microscopic vernier reader. 2,497,981, Feb. 21.
De Gramont de Guiche, Henri A. A., assignor to Optique et Precision de Levallois, Levallois-Perret, France. Enlarging easel supporting means. 2,495,510, Jan. 24.
De Grave, Charles J., Jr., Chili, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Scale illumination means for projection lenses. 2,504,254, Apr. 18.
De Grazia, Joseph, Washington, D. C. Pocket. 2,501,162, Mar. 21.
De Grazia, Joseph, Washington, D. C. Protective hood. 2,524,775, Oct. 10.
De Grazia, Joseph, Washington, D. C. Garment support. 2,526,641, Oct. 24.
De Groff, Kenneth C., South Bend, Ind. Photographic printing easel. 2,496,701, Feb. 7.
De Groff, Mark E., Chicago, Ill. Bottle closure. 2,522,864, Sept. 19.
De Groote, Melvin: *See*—
Keiser, Bernhard, and De Groote.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,498,656, Feb. 28.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,498,657, Feb. 28.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,498,658, Feb. 28.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Oxyalkylated diphenylolmethanes and derivatives thereof. 2,499,360, Mar. 7.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Oxyalkylated phenol-aldehyde diols and derivatives thereof. 2,499,361, Mar. 7.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Oxyalkylated phenol-aldehyde diols and derivatives thereof. 2,499,362, Mar. 7.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Oxyalkylated phenol-aldehyde diols and derivatives thereof. 2,499,363, Mar. 7.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Oxyalkylated phenol-aldehyde diols and derivatives thereof. 2,499,364, Mar. 7.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Chemical manufacture. 2,499,365, Mar. 7.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Chemical manufacture. 2,499,366, Mar. 7.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Chemical manufacture. 2,499,367, Mar. 7.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Chemical manufacture. 2,499,368, Mar. 7.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,499,369, Mar. 7.
De Groote, Melvin, St. Louis, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,499,370, Mar. 7.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,500,349, Mar. 14.

De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,505,824, May 2.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,505,825, May 2.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Pyridinium esters. 2,505,948, May 2.
De Groote, Melvin, St. Louis, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,507,560, May 16.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Certain oxyalkylated blown oils and making same. 2,510,335, June 6.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Monopyridinium derivatives of esterified oxyalkylated diphenylol methanes. 2,517,091, Aug. 1.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Monopyridinium derivatives of esters of oxyalkylated diphenylol methanes. 2,517,092, Aug. 1.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Pyridinium derivatives of phenoxy-alkanol esters. 2,517,093, Aug. 1.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Dipyridinium derivatives of esterified oxyalkylated diphenylol methanes. 2,517,094, Aug. 1.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,518,668, Aug. 15.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,524,889, Oct. 10.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,524,890, Oct. 10.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,524,891, Oct. 10.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Processes for breaking petroleum emulsions. 2,524,892, Oct. 10.
De Groote, Melvin, University City, and O. H. Pettingill, Kirkwood, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Oxyalkylated drastically-oxidized cashew nutshell liquid, and making same. 2,531,502, Nov. 28.
De Guerin, Joseph D. S., assignor to Rotax Limited, London, England. Engine starting apparatus. 2,506,663, May 9.
De Hart, Edward S.: *See*—
Errig, William F., and De Hart.
De Hart, Melrose W., Little Rock, and W. I. White, North Little Rock, Ark. Telephone support. 2,519,746, Aug. 22.
Dehls & Stein, Inc., assignee: *See*—
Gunther, Roland E., Kohn, and Stone.
Dehmel, Richard C., Los Angeles, Calif. Aircraft flight training. 2,494,508. Jan. 10.
Dehmel, Richard C., Short Hills, N. J. Flight navigation training apparatus. 2,506,998, May 9.
Dehmel, Richard C., Short Hills, N. J. Coordinate conversion and vector apparatus. 2,510,384, June 6.
Dehmel, Richard C., Short Hills, N. J. Flight training apparatus. 2,510,385, June 6.
Dehmel, Richard C., Short Hills, N. J. Optical apparatus for flight trainers. 2,518,419, Aug. 8.
Dehmel, Richard C., Short Hills, N. J. Control response trainer for aircraft pilots. 2,522,434, Sept. 12.
Dehmel, Richard C., Short Hills, N. J. Radio range navigation apparatus for training aircraft personnel. 2,529,468, Nov. 7.
Dehmel, Richard C., Short Hills, N. J. Radio training system for aircraft pilots. 2,533,361, Dec. 12.
Dehmel, Richard C., Summit, N. J. Photoelectric apparatus for simulating radio range signals. 2,499,990, Mar. 7.
Dehn, Franklin C., Bradford, Pa. Gas and oil separator. 2,507,892, May 16.
Dehn, Joseph W., Great Neck, and O. H. Williford, Bronxville, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Automatic monitor for comparing designations received and transmitted by control circuits in dial switching systems. 2,508,053, May 16.
Dehn, Roy F., Cleveland, assignor to The Cleveland Crane & Engineering Company, Wickliffe, Ohio. Shear press back gauge. 2,520,495, Aug. 29.
Dehn, Roy F., Cleveland, assignor to The Cleveland Crane & Engineering Company, Wickliffe, Ohio. Shear press. 2,525,401, Oct. 10.
Dehn, Roy F., Cleveland, assignor to The Cleveland Crane & Engineering Company, Wickliffe, Ohio. Hoist brake. 2,525,402, Oct. 10.
De Hoff, Ronald L.: *See*—
Day, Harold M., and De Hoff.
Dehydration, Inc., assignee: *See*—
Birdseye, Clarence.
Deibel, Gottfried, Dresden, Germany. Device for precipitating and drawing off annoying and harmful vapors and gases developing during boiling of acids. 2,533,561, Dec. 12.
Deibel, Gottfried, Dresden, Germany. Devices for precipitating and drawing off annoying and harmful vapors and gases. 2,533,562, Dec. 12.
Deibele, Hans A., New York, N. Y. Elevator control signal system. 2,523,359, Sept. 26.
Deichert, Henry S., Fort Worth, Tex. Bottle beverage case. 2,526,335, Oct. 17.
Deichmann, Walter: *See*—
Gilbert, Herman W., Dexter, and Deichmann.
Deichmiller, Alwin, and E. F. Shalla, Pasadena, Md., assignors to Western Electric Company, Incorporated, New York, N. Y. Die. 2,533,922, Dec. 12.
Deimel, Albert H.: *See*—
Peterson, Carl D., and Deimel.
Deimel, Richard F., Hoboken, and W. A. Black, Montclair, N. J., assignors to General Time Corporation. Calculating instrument. 2,516,187, July 25.
Deinet, Joseph, Glassboro, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Vat dyes of benzanthrone diacridine series. 2,505,234, Apr. 25.
Deiss, Charles, Swansea, Mass. Chain making machine. 2,498,031, Feb. 21.
Deister, Emil E., assignor to Deister Machine Company, Fort Wayne, Ind. Vibratory power mechanism. 2,514,538, July 11.
Deister Machine Company, assignee: *See*—
Deister, Emil E.
Deitsch, Frank, Fort Thomas, Ky. Duct or the like. 2,498,753, Feb. 28.
Deitz, Jules., Baltimore, Md. Chart analyzer. 2,500,935, Mar. 21.
De Jager, Frank, and H. van de Weg, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Modulation circuit. 2,500,807, Mar. 14.
De Jahn, Fredrik W., assignor to H. A. Brassert & Company, New York, N. Y. Preparation of metallic oxides for reduction. 2,511,400, June 13.
De Jarlais, Philip, Champlin, assignor to Federal Cartridge Corporation, Minneapolis, Minn. Explosive testing apparatus. 2,525,020, Oct. 10.
De Jong, Frans H., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Welding apparatus and control therefor actuated by an electric current pulse timer. 2,496,779, Feb. 7.
De Jong, Isidorus J. M.: *See*—
Roovers, Wilhemus A., Prakke, van Steenis, and de Jong.
De Jong, Klaas: *See*—
Hehenkamp, Theodorus, and de Jong.
De Jonge, Marvin, Zeeland, Mich. Gun sight. 2,498,155, Feb. 21.
De Juhasz, Kalman J., State College, Pa. Adjustable triangle. 2,515,761, July 18.
De Jur-Amsco Corporation, assignee: *See*—
Moomaw, Lewis H.
DeKalb Agricultural Association, Inc., assignee: *See*—
Wright, Harold, and Blackman.
Deketh, Jan, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Surge protecting alternating-current vacuum tube meter. 2,505,465, Apr. 25.
Dekker, Adrianus J.: *See*—
Van Geel, Willem C., and Dekker.
De Koning, Jacob, Treebeek, assignor to De Directie van de Staatsmijnen in Limburg, Heerlen, Netherlands. Apparatus for the proportioning and control of fluid flow. 2,505,756, May 2.
De la Cierra, José, Jr., Mexico City, Mexico. Apparatus for treatment of nasal and respiratory cavities. 2,511,973, June 20.
De Lacotte, Robert H., and E. Colombu, Paris, France, assignors to Societe de Constructions Mecaniques de Stains, Spinnerette and mounting therefor. 2,512,488, June 20.
De Lacy, Joseph H., assignor to S. G. Rautbord, Chicago, Ill. Cylindrical photographic printing device. 2,512,487, June 20.
De Lacy, Joseph H., Park Ridge, Ill. Hangers for use in processing photographic prints. 2,533,664, Dec. 12.
De La Foret, Norman F., assignor to The Ottawa River Paper Company, Toledo, Ohio. Ventilated corrugated board container. 2,533,773, Dec. 12.
De La Mater, Andrew, San Francisco, Calif. Automobile cigarette lighter. 2,511,331, June 13.
De Lamater, Paul, assignor to The Triplett Electrical Instrument Company, Bluffton, Ohio. Stud assembly instrument connection locking means. 2,523,001, Sept. 19.

Delamere Company, Inc., assignee: *See*—
Goodman, Abraham.
Goodman, Jacob.

De Lanauze, Jacques, Montreal, Quebec, Canada. Behind-the-lens filter and mask adapter. 2,504,255, Apr. 18.

De Lancey, Ralph W., assignor to The Miller Company, Meriden, Conn. Convection and forced draft air flow and combustion air heating furnace. 2,498,362, Feb. 21.

De Lancey, Ralph W., assignor to The Miller Company, Meriden, Conn. Valve. 2,513,236, June 27.

De Lancey, Warren H.: *See*—
Pond, Bertram P., Vincent, and De Lancey.
Vincent, Edwin E., and De Lancey.

De Lancey, Warren H., assignor to Atlantic Development Company, Springfield, Mass. Ejector pump refrigerating apparatus. 2,530,293, Nov. 14.

De Land, John D. R., Palm Springs, Calif. Fog dispelling device. 2,522,667, Sept. 19.

Delaney, David, assignee: *See*—
Dole, William E., Jr.

Delaney, Harry W., Chicago, Ill. Apparatus for the manufacture of twist drills. 2,533,227, Dec. 12.

De Laney, James P., Chicago, Ill. Control mechanism for fire doors. 2,528,869, Nov. 7.

Delaney, John J., Los Angeles, Calif. Rear vision reflector tube for motor vehicles. 2,512,792, June 27.

Delaney, John J., Los Angeles, assignor of forty per cent to F. L. Cook, San Diego, Calif. Method and apparatus for testing nonmagnetic materials. 2,534,420, Dec. 19.

De Lange, Cornelis, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Wound condenser. 2,493,231, Jan. 3.

De Lange, Cornelis, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Insulating bushing for a lead-in conductor to a capacitor housed in a vessel containing a gas under pressure. 2,510,686, June 6.

De Lange, Cornelis, P. Goode, and H. J. van den Berge, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Method and device for manufacturing electric resistance bodies. 2,500,605, Mar. 14.

De Lange, Cornelis, and P. A. W. M. Sleegers, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Apparatus for applying metal coatings on insulators. 2,508,500, May 23.

De Lange, Hendrik, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Circuit arrangement for superregenerative reception. 2,525,529, Oct. 10.

De Lange, Owen E., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electronic control circuits for radar systems. 2,531,201, Nov. 21.

De Lanne, Jacque, San Francisco, Calif. Trailer hitch. 2,516,506, July 25.

Delano, George W., Detroit, Mich. Belt structure. 2,493,447, Jan. 3.

De Lano, Ralph B., Jr.: *See*—
Firestone, Floyd A., and De Lano.

De Lano, Ralph B., Jr., New York, N. Y., assignor to Sperry Products, Inc., Hoboken, N. J. Locating discontinuities by pulses of radiant energy. 2,494,990, Jan. 17.

De Lano, Ralph B., Jr., New York, N. Y., assignor to Sperry Products, Inc., Hoboken, N. J. Inspecting materials by wave trains. 2,507,854, May 16.

De Lano, Ralph B., Jr., New York, N. Y., assignor to Sperry Products, Inc., Hoboken, N. J. Lens system for ultrasonic viewing of defects in objects. 2,525,873, Oct. 17.

De Lano, Ralph B., Jr., New York, N. Y., and E. M. Williams, Pittsburgh, Pa., assignors to Sperry Products, Inc., Hoboken, N. J. Supersonic inspection device. 2,534,006, Dec. 12.

De Lany, Beatrice P., Miami Beach, Fla., and P. L. Copeland, Chicago, Ill. Pool type cathode with means for accelerating arc formation. 2,507,434, May 9.

De Lany, Beatrice P., Miami Beach, Fla., and P. L. Copeland, Chicago, Ill. Cathode. 2,507,435, May 9.

Delany, John J., assignor to Delany Realty Corporation, Brooklyn, N. Y. Bumper holder for flush valves. 2,503,940, Apr. 11.

Delany, John J., assignor to Delany Realty Corporation, Brooklyn, N. Y. Seal unit for flush valve actuators. 2,506,140, May 2.

Delany, John J., Brooklyn, assignor to Delany Realty Corporation, New York, N. Y. Valve and closure therefor. 2,523,864, Sept. 26.

Delany Realty Corporation, assignee: *See*—
Delany, John J.

De la Rosa, Manuel B., and D. C. Garcia, Habana, Cuba. Transmission unit for motor vehicles. 2,506,999, May 9.

De La Rue Gas Development Limited, assignee: *See*—
Friedman, Leopold.

De Larzelere, Frank P., Tulsa, Okla., assignor to The Bastian-Blessing Company, Chicago, Ill. Vaporizer for liquefied petroleum gas dispensing systems. 2,525,874, Oct. 17.

De la Sablonière, Christiaan J. de L.: *See*—
De Fremery, Frank, and de la Sablonière.

De Lassus St. Genies, Anne H. J., Versailles, France. Radiographic process. 2,512,242, June 20.

Delattre-Seguy, Jean, Washington, D. C., assignor to Universal Oil Products Company, Chicago, Ill. Catalytic cracking of hydrocarbons. 2,526,068, Oct. 17.

De Laval, Fulvio M., Los Angeles, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Airplane control surface. 2,510,561, June 6.

De Laval, Jacques H., Stockholm, Sweden. Method and apparatus to treat material in form of pieces or powder with gases. 2,522,704, Sept. 19.

De Laval Separator Company, The, assignee: *See*—
Scott, Walter A.
Strezynski, George J.

Delaware Engineering Corporation, assignee: *See*—
Moore, William E.
Simpson, George L.

De Lay, Earl, Columbia, S. C. Tiltable wheeled handcart. 2,532,015, Nov. 28.

Del Camp, Scipione M., Maywood, assignor to Cinch Manufacturing Corporation, Chicago, Ill. Electrical wiring terminal installation. 2,517,848, Aug. 8.

Del Camp, Scipione M., Maywood, assignor to Cinch Manufacturing Corporation, Chicago, Ill. Electrical socket and contacts therefor. 2,519,121, Aug. 15.

Del Camp, Scipione M., Maywood, assignor to Cinch Manufacturing Corporation, Chicago, Ill. Socket contact. 2,525,210, Oct. 10.

Del Campo, Angelo R., Chicago, Ill. Electret-type generator and motor. 2,526,642, Oct. 24.

Del Carlo, Bartolomeo, Stockton, Calif. Machine for sizing, cleaning, and cutting asparagus tips. 2,502,209, Mar. 28.

Delegard, Carl J., Chicago, and M. J. Nardulli, Elmwood Park, Ill., assignors to M. J. Nardulli, A. F. Naples, P. F. Nardulli, and W. H. Mozal, as trustees, under a trust known as Western Engineering Trust. Manufacture of framed panels. 2,531,375, Nov. 21.

Deletaille, Emile, Woluwe-St. Pierre, Belgium. Speed variator. 2,532,762, Dec. 5.

Delgaudio, Eugene, Brooklyn, N. Y. Venetian blind. 2,493,186, Jan. 3.

Delehanty, Allen J., assignor to Borroughs Tool and Equipment Company, Kalamazoo, Mich. Multiple valve spring depressor. 2,510,334, June 6.

De Leonardis, Michael J., Valley Stream, N. Y. Traveling case and fixture therefor. 2,518,603, Aug. 15.

De Lesio, Michael, assignee: *See*—
Bozzelli, Albert L.

D'Elia, Salvatore, New York, N. Y. Amusement slot machine for testing hand steadiness. 2,508,146, May 16.

De Libero, Bob B.: *See*—
Traugott, John E., and De Libero.

Delinted Seed Company, assignee: *See*—
McLemore, Price C.

Delisi, Philip: *See*—
Delisi, Violet J. and P.

Delisi, Violet J. and P., Lemont, Ill. Bedpan attachment. 2,533,774, Dec. 12.

De Lisle, Francis A., Albion, Ind., assignor to G. B. Finnegan, Jr., Mountain Lakes, N. J. Portable water purifying canteen. 2,507,893, May 16.

Delivuk, Louis, Spokane, Wash. Vertically sliding flexible door. 2,513,152, June 27.

Delivuk, Louis, Spokane, Wash. Grain elevator. 2,525,167, Oct. 10.

Dell, Albert H., Cheverly, Md., and J. H. Sreb, Washington, D. C., assignors to the United States of America as represented by the Secretary of the Navy. Thermal circuit breaker. 2,498,032, Feb. 21.

Dell, Edward F.: *See*—
Davison, William W., and Dell.

Dell, Mirah L. H., Nicholls, Ga. Jack top. 2,500,666, Mar. 14.

Dell'Anno, Francisco, Buenos Aires, Argentina. Artificial tooth. 2,530,601, Nov. 21.

Delloye, André L. C., Paris, France, vested in the Attorney General of the United States. Manufacturing insulating material. 2,510,086, June 6.

Del Mar, Bruce E., Los Angeles, assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif. Ventilation system. 2,496,862, Feb. 7.

De Loache, Waldo, assignee: *See*—
Squires, William P.

Deloghia, Louis E., Agawam, assignor to Perkins Machine and Gear Company, West Springfield, Mass. Operating mechanism for washing machines and the like. 2,531,353, Nov. 21.

De Long, Herbert K., assignor to The Dow Chemical Company, Midland, Mich. Pickling of magnesium and its alloys. 2,499,269, Feb. 28.

De Long, Herbert K., assignor to The Dow Chemical Company, Midland, Mich. Electrolytically coating magnesium and its alloys. 2,512,563, June 20.

De Long, Herbert K., assignor to The Dow Chemical Company, Midland, Mich. Producing a metallic coating on magnesium and its alloys. 2,526,544. Oct. 17.

Deloraine, Edmond M.: *See*—
Alexander, Ben, and Deloraine.

Deloraine, Edmond M., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Repeater link system. 2,509,218, May 30.

Deloraine, Edmond M., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Pulse time modulation repeater system. 2,524,776, Oct. 10.

Deloraine, Edmond M., assignor to Federal Telephone and Radio Corporation, New York, N. Y. System for determining distance and direction by electromagnetic wave energy. 2,531,412, Nov. 28.

Deloraine, Edmond M., Paris, France, and J. L. Fearing, White Plains, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Multiplex pulse time demodulator. 2,513,291, July 4.

Deloraine, Edmond M., Paris, France, and D. H. Ransom, Montclair, N. J., assignors to Federal Telephone and Radio Corporation, New York, N. Y. Electronic line finder system. 2,520,132, Aug. 29.

Deloraine, Edmond M., New York, N. Y., and P. R. Adams, Cranford, N. J., assignors to Federal Telephone and Radio Corporation, New York, N. Y. Traffic control system. 2,521,697, Sept. 12.

Deloraine, Edmond M., Paris, France, and P. R. Adams, Cranford, N. J., assignors to Federal Telephone and Radio Corporation, New York, N. Y. Communication and radio guidance system. 2,535,048, Dec. 26.

Delore, Paul G., San Francisco, Calif. Handle and supporting structure for hand stamps. 2,521,286, Sept. 5.

Delorey, Arthur H., Jamaica Plain, Mass. Lens-adjusting tool. 2,523,649, Sept. 26.

Delorme, Jean B., and G. Desthieux, Lyon, assignors to Societe Anonyme des Manufactures des Glaces et Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France. Compositions containing cellulosic filler united by polyvinyl chloride. 2,519,442, Aug. 22.

Del Rosario, Bernardo P., Lingayen, Pangasinan, P. I. Lockout device for party line telephones. 2,504,814, Apr. 18.

Del-Sab Corporation, assignee: *See*— Sabo, Louis.

Delsordo, Carlos F., Mexico City, Mexico. Pneumatic apparatus for the manufacture of cemented shoes. 2,530,761, Nov. 21.

Delta Electric Company, assignee: *See*— Rhodes, William E.

Delta-Star Electric Company, The, assignee: *See*— Fjellstedt, Thorsten, and Killian. Killian, Stanley C.

De Luca, Albert, New York, N. Y. Tone amplifier for musical instruments. 2,530,155, Nov. 14.

De Luca, Eugene, Philadelphia, Pa. Machine for molding concrete brick. 2,533,721, Dec. 12.

Delvaux, Jean L., Paris, France, assignor to General Electric Company. Response curve indicator. 2,534,957, Dec. 19.

Del Vecchio, Angelo M., Brooklyn, N. Y. Making shoes. 2,500,526, Mar. 14.

De Maestri, Fred A., Burlingame, assignor to The Permanente Metals Corporation, Oakland, Calif. Producing magnesium hydroxide. 2,493,752, Jan. 10.

Demant, William, Copenhagen, Denmark. Portable electromagnetic hearing aid. 2,522,099, Sept. 12.

De Marchi, Vincent S., assignor, by mesne assignments, to Inland Steel Company, Chicago, Ill. Removing silica from iron. 2,530,391, Nov. 21.

Demarco, Anthony J.: *See*— Zana, John J., and Demarco.

De Marco, Joseph C., St. Paul, Minn. Multiangular reflector sign. 2,504,396. Apr. 18.

De Marinis, Frank, Cleveland Heights, assignor to The S. K. Wellman Company, Cleveland, Ohio. Electroplating with iron and cobalt. 2,507,400, May 9.

De Marinis, Michael, Bronx, N. Y. Securing paper rolls to roll shafts. 2,498,486, Feb. 21.

De Mario, Joseph, Pennsauken, N. J. Multiple lipstick assembly. 2,523,683, Sept. 26.

Demark, Joseph F., Belleville, N. J. Indexing center work support. 2,517,770, Aug. 8.

De Martino, Marius, U. S. Coast Guard. Aircraft flight indicator. 2,504,114, Apr. 18.

De Matzdorf, Hilda T. S., Guatemala, Guatemala. Diaper. 2,507,197, May 9.

Demb, Kenneth: *See*— Payne, Elmer C., Hayes, and Demb.

De Mello, Edna J., assignee: *See*— Shelton, Hannah C.

De Ment, Harold E., Decatur, and H. L. Wisnasky, Forsyth, Ill. Grease shield for skillets and the like. 2,496,121, Jan. 31.

De Ment, Jack, Portland, Oreg. Prosthetic tooth composition. 2,508,816, May 23.

De Ment, Jack, Portland, Oreg. Message forming sea marker. 2,519,825, Aug. 22.

De Mers, Edward F.: *See*— Goldberg, Harold, and De Mers.

Demers, Paul E., assignor, by mesne assignments, to Northern Electric Company, Limited, Montreal, Quebec, Canada. Annunciator circuit. 2,526,853, Oct. 24.

De Mesquita, Edwin B., Jamaica, assignor to American Safety Razor Corporation, Brooklyn, N. Y. Cigarette lighter. 2,513,151, June 27.

Demetriades, Georges A., Thessaloniki, Greece. Fixing bodies to shafts. 2,502,512, Apr. 4.

Demeulenaere, Marcel: *See*— Demeulenaere, Robert and M.

Demeulenaere, Robert and M., New York, N. Y. Push-button control device. 2,512,243, June 20.

Demeulenaere, Robert and M., New York, N. Y. Automatic dial operator. 2,523,256, Sept. 19.

Demick, Kenneth C., Cambridge, Mass., assignor to The B. F. Goodrich Company, New York, N. Y. Overshoe with rear opening and tongue therein. 2,508,994, May 23.

Demick, Kenneth C., Cambridge, Mass., assignor to The B. F. Goodrich Company, New York, N. Y. Overshoe with shank filler piece therein. 2,535,123, Dec. 26.

Deming, George M., Orange, N. J., assignor to Air Reduction Company, Incorporated. Apparatus for thermochemically cutting metal. 2,525,875, Oct. 17.

Deming, George M., deceased, Orange, N. J., by L. G. Brown, administrator, South Orange, N. J., assignor to Air Reduction Company, Incorporated. Method and apparatus for controlling torch spacing. 2,534,958, Dec. 19.

Deming, George M., deceased, Orange, N. J., by L. G. Brown, administrator, South Orange, and J. Gilroy, Westfield, N. J., assignors to Air Reduction Company, Incorporated. Oxygen regulator. 2,534,959, Dec. 19.

Deming, Philip H., assignor to Shell Development Company, San Fransicso, Calif. Absorption separation process for hydrocarbons. 2,516,507, July 25.

Deming, Philip H., assignor to Shell Development Company, San Francisco, Calif. Production of hydrocarbon-oxygen mixtures. 2,519,955, Aug. 22.

Demmer, Edward U., assignee: *See*— Elliott, Gordon R.

Demolis, André, assignor to Aktiengesellschaft vorm. B. Siegfried, Zofingen, Switzerland. 5-(p-aminobenzene sulfonamido)-1,3 dimethyl-2,4 dioxo-6-amino-tetrahydropyrimidine and its preparation. 2,508,450, May 23.

De Mond, Willy, Hollywood, Calif., assignor to Sanson Hosiery Mills, Inc., Philadelphia, Pa. Hosiery. 2,520,091, Aug. 22.

De Montaner, Ramon, Barcelona, Spain. Iodinated sulfonamide. 2,494,930, Jan. 17.

De Montaner, Ramon, Barcelona, Spain. N^4-acetyl, n^1-(p-iodophenyl) sulfanilamide. 2,494,931, Jan. 17.

De Montmollin, James M., and T. E. Curtis, Hampton, Ga., assignors to Southern States Equipment Corporation. Electric switch. 2,510,051, June 6.

De Montremy, Jean, Pau, France. Photographic camera provided with range finder. 2,493,392, Jan. 3.

De Moss, Leonard, Des Moines, Iowa, assignor to Swift & Company, Chicago, Ill. Skinning machine and method. 2,494,138, Jan. 10.

De Moude, Adrian J., and W. H. Stout, Portland, Oreg. Self-sealing pipe connection. 2,517,290, Aug. 1.

Dempsey, Edwin A., Baltimore, Md. Vehicle body and attachment therefor. 2,514,695, July 11.

Dempsey, Oscar E., assignor to Dempsey Pump Co., Tulsa, Okla. Lifting apparatus. 2,501,380, Mar. 21.

Dempsey Pump Co., assignee: *See*— Dempsey, Oscar E.

Dempster Mill Manufacturing Company, assignee: *See*— Fuller, Marion G.

Demsey, Leo, assignee: *See*— Theilman, Milton R.

De Munck, Donald S., Burbank, Calif. Chuck. 2,504,186, Apr. 18.

Demuth, Charles, Mineola, N. Y. Spray type oil burner with air directing means. 2,502,210, Mar. 28.

Demuth, Hiram J., Enid, Okla. Automobile air cooling and ventilating system. 2,500,527, Mar. 14.

De Mytt, Louis, and R. E. Reed, assignors to Raymond Laboratories, Inc., St. Paul, Minn. Stabilized sulfite solutions. 2,506,492, May 2.

De Nardis, Cornelius R., Elmhurst, and J. J. Albin, Far Rockaway, N. Y. Kitchen shredder for both leafy and stalky vegetables. 2,496,780, Feb. 7.

Dence, Donald S., assignor to Clark Equipment Company, Buchanan, Mich. Transmission lubricating means. 2,519,122, Aug. 15.

Denegan, Arlen M.: *See*— Curry, Lucy A., and Denegan.

Deney, Herman J., assignor to Pierce & Stevens, Incorporated, Buffalo, N. Y. Adhesive composition. 2,524,008, Sept. 26.

De Nie, Willem L. J., Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Emulsion polymerization process for the manufacture of copolymers of homogeneous composition. 2,496,384, Feb. 7.

De Nie, Willem L. J., and G. E. Rumscheidt, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif. Rubber impregnated fabrics. 2,511,498, June 13.

De Nie, Willem L. J., and R. H. M. Meyer, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif. Copolymerizing monomers having different polymerization rates. 2,534,108, Dec. 12.

Denis, Albert P., Springfield, Mass. Cable shortening device. 2,510,622, June 6.

Denis, Louis, assignor of one-half to Societe Anonyme des Etablissements Neu, Lille, France. Air conditioning system. 2,508,749, May 23.

Denis, Marcel: *See*— Clavier, Andre G., and Denis.

Denison Engineering Company, The, assignee: *See*—
Adams, Cecil E.
Adams, Cecil E., and Peters.
Adams, Cecil E., and Renick.
Denison, William C., Jr.
Renick, Wendell E.
Scott, Arthur L.

Denison, George H., Jr., and J. E. Hanson, Berkeley, assignors to California Research Corporation, San Francisco, Calif. Injection engine fuel. 2,521,698, Sept. 12.

Denison, George H., Jr., San Rafael, and J. E. Hanson, Richmond, assignors to California Research Corporation, San Francisco, Calif. Di-organo peroxide. 2,522,016, Sept. 12.

Denison, George H., Jr., Oakland, and P. C. Condit, Berkeley, assignors to California Research Corporation, San Francisco, Calif. Lubricant compositions containing dialkyl diselenides. 2,528,346, Oct. 31.

Denison, George H., Jr., San Rafael, N. W. Furby, El Cerrito, and R. O. Bolt, Richmond, assignors to California Research Corporation, San Francisco, Calif. Nonflammable hydraulic fluid. 2,528,347, Oct. 31.

Denison, George H., Jr., San Rafael, N. W. Furby, El Cerrito, and R. O. Bolt, Richmond, assignors to California Research Corporation, San Francisco, Calif. Nonflammable hydraulic fluid. 2,528,348, Oct. 31.

Denison, Irving A., Silver Spring, Md., and P. L. Howard, Arlington, Va. Alkaline primary battery and electrolyte therefor. 2,513,292, July 4.

Denison Mattress Factory, assignee: *See*—
Challenner, Ansel P.

Denison, William C., Jr., Powell, assignor to The Denison Engineering Company, Columbus, Ohio. Agitator for powder feeding apparatus. 2,511,332, June 13.

Denison, William C., Jr., Powell, assignor to The Denison Engineering Company, Columbus, Ohio. Hydraulic apparatus. 2,516,301, July 25.

Denison, William E., Chicago, Ill. Indicator. 2,501,033, Mar. 21.

Denison, William E., assignor to Tammen and Denison, Inc., Chicago, Ill. Double compartment nesting band package. 2,529,837, Nov. 14.

Denivelle, Léon C., assignor of one-half to Manufactures de Produits Chimiques Du Nord Etablissements Kuhlmann, Paris, France. Preparation of butadiene. 2,527,120, Oct. 24.

Denker, Charles T., Chicago, and A. T. Johanson, Glenview, Ill. Solid fuel furnace of the rotary grate progressive feed type. 2,501,763, Mar. 28.

Denman, Earl W., Cranford, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Air circulator. 2,509,137, May 23.

Denneen, Francis S., Cleveland, and W. C. Dunn, Shaker Heights, assignors to The Ohio Crankshaft Company, Cleveland, Ohio. Heat-treating gear. 2,521,699, Sept. 12.

Denneen, Francis S., Cleveland, and W. C. Dunn, Shaker Heights, assignor to The Ohio Crankshaft Company, Cleveland, Ohio. Apparatus for heat-treating gear teeth. 2,524,044, Oct. 3.

Dennerline, John E., Paola, Kans., assignor of three-eights to Brundred Oil Corporation, Oil City, Pa. Casing cutter. 2,503,150, Apr. 4.

Denney, James H., Monticello, Ky., assignor to Barcalo Manufacturing Company, Buffalo, N. Y. Folding armchair. 2,525,876, Oct. 17.

Denning, Charles O., and J. R. Yancey, assignors to A-1 Bit & Tool Company, Inc., Houston, Tex. Sidewall coring tool. 2,494,932, Jan. 17.

Denning, Charles O., and J. R. Yancey, assignors to A-1 Bit & Tool Company, Inc., Houston, Tex. Side wall coring tool. 2,510,386, June 6.

Denning, Paul S., assignor to F. E. Schundler & Co., Joliet, Ill. Molding magnesite products. 2,517,090, Aug. 1.

Dennis, Albert E., United States Army, Philadelphia, Pa. Visual inspection by comparison with a series of three-dimensional pictures. 2,495,703, Jan. 31.

Dennis, Charles E., United States Navy. Radio-frequency testing circuit. 2,510,962, June 13.

Dennis, Charles E., Washington, D. C. Electrical frequency discriminator circuit. 2,525,780, Oct. 17.

Dennis, George F., High Point, N. C. Rayon-yarn basing pad. 2,534,579, Dec. 19.

Dennis, Stanley W., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Container closure. 2,497,870, Feb. 21.

Dennis, Stanley W., and E. Henschen, assignors to Crown Cork & Seal Company, Inc., Baltimore, Md. Container closing apparatus. 2,518,294, Aug. 8.

Dennis, Stanley W., and E. Henschen, assignors to Crown Cork & Seal Company, Inc., Baltimore, Md. Container closing apparatus. 2,533,437, Dec. 12.

Dennis, Wolcott, Darien, Conn., assignor to Air Reduction Company, Incorporated, New York, N. Y. Separation and recovery of the constituents of air. 2,497,589, Feb. 14.

Dennis, Wolcott, Darien, Conn., assignor to Air Reduction Company, Incorporated, New York, N. Y. Recovery of oxygen from the atmosphere. 2,502,250, Mar. 28.

Dennis, Wolcott, Darien, Conn., assignor to Air Reduction Company, Incorporated, New York, N. Y. Apparatus for the separation of gaseous mixtures. 2,502,251, Mar. 28.

Dennis, Wolcott, Darien, Conn., assignor to Air Reduction Company, Incorporated, New York, N. Y. Producing liquid oxygen. 2,519,892, Aug. 22.

Dennis, Wolcott, Darien, Conn., assignor to Air Reduction Company, Incorporated, New York, N. Y. Recovery of the constituents of gaseous mixtures. 2,530,602, Nov. 21.

Dennison Manufacturing Company, assignee: *See*—
Ogden, Floyd H.

Denny, Edson M.: *See*—
Bureau, Arthur A., and Denny.

Denny, Edson M., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Reel. 2,501,596, Mar. 21.

Denny, Joseph G., Jr., assignee: *See*—
Ichelson, Rose R.

Denny, Lee R., Inglewood, Calif. Hand truck. 2,497,440, Feb. 14.

Denny, Orion B., Charlotte, N. C. Folding bread crate. 2,512,522, June 20.

Den Outer, Marius, Rotterdam, Netherlands. Stenographic machine. 2,501,264, Mar. 21.

Denslow, Ralph E., Salem, Oreg. Safety switch for the light systems of vehicles. 2,535,271, Dec. 26.

Dent, James D.: *See*—
McCrary, Dorris C., and Dent.

Dent, Samuel G., Jr., and L. G. S. Brooker, assignors to Eastman Kodak Company, Rochester, N. Y. Preparing oxonol dyes. 2,533,206, Dec. 12.

Dental Research Corporation, assignee: *See*—
Erdle, Reiner W.

Dentler, Arnold E., La Grange, assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorber. 2,495,920, Jan. 31.

Dentler, Arnold E., La Grange, assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorber. 2,495,921, Jan. 31.

Dentler, Arnold E., La Grange, assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorber. 2,495,922, Jan. 31.

Dentler, Arnold E., La Grange, assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorbing mechanism. 2,501,889, Mar. 28.

Dentler, Arnold E., La Grange, assignor to W. H. Miner, Inc., Chicago, Ill. Shock absorber. 2,524,893, Oct. 10.

Denton, Claud E., Sallisaw, Okla. Shoe holder and stretcher. 2,500,242, Mar. 14.

Denton, Harvey R., Oakland, Calif. Display cabinet. 2,502,076, Mar. 28.

Denton, Harvey R., Oakland, Calif. Picture hanger. 2,509,424, May 30.

Denton, John J., Bound Brook, and H. W. Stewart, Plainfield, N. J., assignors to American Cyanamid Company, New York, N. Y. Preparation of diguanylpiperazine and salts thereof. 2,510,869, June 6.

Denton, John J., Bound Brook, and V. A. Lawson, Bedminster, N. J., assignors to American Cyanamid Company, New York, N. Y. 3-amino-1.2 diphenyl-propanol-1. 2,515,700, July 18.

Denton, Joseph A., assignor to The Fiber & Stowell Co., Milwaukee, Wis. Lift mechanism. 2,514,314, July 4.

Denton, William I.: *See*—
Bishop, Richard B., and Denton.
Bishop, Richard B., Denton, and Nygaard.
Chapman, Harold D., Denton, and Bishop.
Lukasiewicz, Sigmund J., and Denton.

Denton, William I., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Production of nitriles. 2,496,661, Feb. 7.

Denton, William I., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Preparation of oxygenated naphthenes. 2,519,309, Aug. 15.

Denton, William I., Woodbury, and R. B. Bishop, Haddonfield, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Production of nitriles. 2,496,659, Feb. 7.

Denton, William I., Woodbury, and R. B. Bishop, Haddonfield, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Production of aromatic nitriles. 2,496,660, Feb. 7.

Denton, William I., and C. J. Plank, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Production of nitriles. 2,518,295, Aug. 8.

Denver Fire Clay Company, The, assignee: *See*—
Wood, Iver C.

Denzer, Raymond F., Attleboro, Mass. Splash guard. 2,495,195, Jan. 17.

Deobald, Harold J.: *See*—
Beckel, Arthur C., Belter, and Deobald.
Singer, Philip A., and Deobald.

De Pangher, John, Berkeley, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Magnetic measuring apparatus and method. 2,531,807, Nov. 28.

De Pew, Chester C., assignor to Fairchild Engine and Airplane Corporation, Farmingdale, N. Y. Variable output linkage with multiple controlled elements. 2,531,614, Nov. 28.

De Pew, Chester C., Farmingdale, and A. T. Gregory, Massapequa, assignors to Fairchild Engine and Airplane Corporation, Farmingdale, N. Y. Output shaft coupling mechanism for multiple power plants. 2,505,853, May 2.

De Phillips, Henry A., Belleville, N. J. Water impermeable sheet material. 2,527,299, Oct. 24.

De Phillips, Henry A., Nutley, N. J., and H. J. Vath, Westhaven, Conn., said Vath assignor to said De Phillips. Agitating and dispensing unit. 2,504,009, Apr. 11.
Depp, Wallace A., Elmhurst, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Glow discharge device. 2,507,696, May 16.
Deprato Statuary Company, assignee: *See*— Rigali, John E.
De Pree, Lee: *See*— Barry, Arthur J., Hook, and De Pree.
Deprez, Charles, Uccle-Brussels, and A. Basilewsky, Boitsfort-Brussels, assignors to Solvay & Cie, Ixelles-Brussels, Belgium. Plant for the electrolysis of alkali salt solutions. 2,505,466, Apr. 25.
Deputy, Lena F.: *See*— Deputy, Lloyd R. and L. F.
Deputy, Lloyd R. and L. F., Jennings, La. Geophysical safety catch. 2,529,763, Nov. 14.
De Puy, Charles T., Brighton, assignor to Trimble Nurseryland Furniture, Inc., Rochester, N. Y. Infant's folding bath stand. 2,513,457, July 4.
De Puy, Charles T., Brighton, assignor to Trimble Nurseryland Furniture, Inc., Rochester, N. Y. Dressing table for infant's bath stand. 2,532,837, Dec. 5.
De Puy, Charles T., Brighton, and W. C. Baxter, assignors to Trimble Nurseryland Furniture, Inc., Rochester, N. Y. Infant's folding bath stand and dressing table. 2,494,164, Jan. 10.
Derbenwick, Frank, Oakland, J. F. Ryan, Jr., San Leandro, and N. C. Calhoun, Oakland, Calif., assignors to Gerber Products Company, Fremont, Mich. Apple halving machine. 2,505,235, Apr. 25.
Derbenwick, Frank, Oakland, J. F. Ryan, Jr., San Leandro, and N. C. Calhoun, Oakland, Calif., assignors to Gerber Products Company, Fremont, Mich. Centrifugal pitter for fruit. 2,516,963, Aug. 1.
Derby, Frank H., Miami, Fla. Awning type window operator. 2,519,234, Aug. 15.
Derby John H., Scarsdale, N. Y., and T. G. Collings, North Plainfield, N. J., assignors to American Fire Prevention Bureau, Inc., New York, N. Y. Thermostatic circuit controlling device. 2,516,964, Aug. 1.
Derby, Marshall T., South Gate, assignor to Thermacote Company, Los Angeles, Calif. Container. 2,503,380, Apr. 11.
Derby, Palmer P., Boston, assignor, to Raytheon Manufacturing Company, Newton, Mass. Electron discharge device. 2,519,826, Aug. 22.
Derby, Palmer P., Weston, assignor to Raytheon Manufacturing Company, Newton, Mass. Electron discharge device. 2,504,187, Apr. 18.
Derby Sealers, Incorporated, assignee: *See*— Aldrich, John W. Krueger, Alfred P. Krueger, Alfred P., and Erhardt.
Derbyshire, Charles F., Inglewood, assignor to Northrop-Hendy Co., Hawthorne, Calif. Epicyclic gear. 2,501,034, Mar. 21.
Derbyshire, Henry G., Johnson City, assignor to General Aniline & Film Corporation, New York, N. Y. Aza trinuclear cyanine dyes. 2,535,982, Dec. 26.
Derbyshire, Herbert, Mobile, Ala. Target with hit indicator. 2,525,211, Oct. 10.
De Reamer, Frank C.: *See*— Pistey, John M., and De Reamer.
De Reamer, William J., Crown Point, assignor to Mapes Consolidated Manufacturing Company, Griffith, Ind. Molded pulp cushion pad. 2,505,886, May 2.
De Reitzes-Mariewert, Maria, assignee: *See*— Alvarez, Octavio J., and Fulton.
De Remer, J. G., Research Corporation, assignee: *See*— De Remer, Jay G.
De Remer, Jay G., Darien, Conn., assignor to J. G. De Remer Research Corporation, Union City, N. J. Balancing of rotatable bodies. 2,525,781, Oct. 17.
De Remer, Jay G., Darien, Conn., assignor to J. G. De Remer Research Corporation, Union City, N. J. Balancing centrifugal drying and washing machine. 2,533,722, Dec. 12.
Dergance, Ralph B., Denver, Colo. Saw table with vertically adjustable circular saw. 2,512,419, June 20.
Derginer, Frank A., and J. E. Engebretsen, Green Bay, Wis. Auto body self-adjusting spring dolly. 2,517,547, Aug. 8.
Derington, Hollis H., Salem, Ill. Illuminated window ornament. 2,499,731, Mar. 7.
Der Mateosian, Edward, Washington, D. C. Electrolytic polishing of metals. 2,506,582, May 9.
Der Mateosian, Edward, Washington, D. C. Electrolytic polishing of metals. 2,516,105, July 25.
Dermer, Otis C., Stillwater, assignor to Cities Service Oil Company, Bartlesville, Okla. Dibenzylidene anhydroenneaheptitol. 2,493,572, Jan. 3.
Dermer, Otis C., and J. J. Hawkins, Stillwater, Okla., assignors to Cities Service Research and Development Company, New York, N. Y. Butadiene-methylal addition products. 2,524,777, Oct. 10.
Dermer, Otis C., and J. J. Hawkins, Stillwater, Okla., assignors to Cities Service Research and Development Company, New York, N. Y. Butadiene-methylal addition products. 2,524,778, Oct. 10.
Dermetics, Inc., assignee: *See*— Burger, Charles H.
Dermond, Franklin: *See*— Buhrendorf, Frederick G., and Dermond.
Dermond, Lawrence C.: *See*— Jorgensen, Clarence H., and Dermond.
Derner, William J., Buffalo, N. Y. Emergency gasoline tank. 2,512,225, June 20.
Derocher, Arthur H., Honolulu, territory of Hawaii. Centrifugal separator. 2,515,398, July 18.
Derome, Pierre, Brussels, Belgium. Sanitary equipment chiefly for the preparation of carbonic gas baths. 2,512,091, June 20.
De Roo, William C.: *See*— Van Alsburg, Jerold H., and De Roo.
De Rosa, Louis A., Bloomfield, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Automatic volume control system. 2,498,659, Feb. 28.
De Rosa, Louis A., Bloomfield, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Phase shifter. 2,510,087, June 6.
De Rosa, Louis A., Bloomfield, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Antenna structure. 2,535,049, Dec. 29.
De Rosa, Louis A., Staten Island, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J. Constant amplitude wave train generator. 2,495,704, Jan. 31.
De Rosa, Louis A., West Brighton, and F. J. Lundberg, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Sweep circuit system. 2,513,293, July 4.
De Rose, Alfred F., Bridgeport, Conn. Ruffling attachment for sewing machines. 2,508,750, May 23.
Derr, Lyman T., Los Angeles, Calif. Clothes drier. 2,508,938, May 23.
Derrick, Douglas D., St. Louis, Mo. Roll type collapsible tube squeezer. 2,530,327, Nov. 14.
Derrick, William S.: *See*— Boatright, Robert G., Jr., Kilpatrick, and Derrick.
De Russy, John H., San Antonio, Tex. Hydraulic drive and fuel feed for motor vehicles. 2,507,562, May 16.
De Salardi, Albert B., Wilkinsburg, Pa. Storage battery charger. 2,506,780, May 9.
De Samelson, Paul, New York, N. Y. Power booster for raising large type umbrellas. 2,503,032, Apr. 4.
De Santis, Fausto G.: *See*— Keene, Lester E., and De Santis.
De Santis, Vincent J.: *See*— Arditi, Maurice, and De Santis.
Desaulniers, Ernest S.: *See*— Vrotacoe, John, and E. S. and J. L. Desaulniers.
Desaulniers, Joseph L.: *See*— Vrotacoe, John, and E. S. and J. L. Desaulniers.
De Saussure, Leo F., Oakland, Calif. Dump trailer for semitrailer type vehicles. 2,494,472, Jan. 10.
De Saussure, William P., Englewood, N. J. Card index. 2,493,530, Jan. 3.
Descendre, Robert, assignor to Societe Francois Conte, Paris, France. Automatic change speed device. 2,524,342, Oct. 3.
Desch, Philip F., and D. E. Garr, Schenectady, and M. A. Edwards, Scotia, N. Y., assignors to General Electric Company. Regulating apparatus. 2,509,728, May 30.
Deschamps, Desire J., assignor to Deschamps Fuel Injection Corporation, Rutherford, N. J. Fuel injection pump. 2,531,202, Nov. 21.
Deschamps, Desire J., Rutherford, and D. C. Clarke, Mountain Lakes, N. J., assignors to Deschamps Fuel Injection Corporation, New York, N. Y. Fuel injection pump. 2,519,893, Aug. 22.
Deschamps Fuel Injection Corporation, assignee: *See*— Deschamps, Desire J. Deschamps, Desire J., and Clarke.
Deschamps, Jean B., Gennevilliers, France, assignor to Societe: Le Carbone-Lorraine. Preparing carbon brushes for electrotechnical purpose. 2,522,750, Sept. 19.
Deschamps, Jean B., and J. Bergier, assignors to Ste' S. E. R. A. P. (Societe d'Etudes, de Recherches et d'Applications des Poudres agglomerees), Paris, France. Producing cast iron rich in carbon. 2,496.863, Feb. 7.
Design Center, Inc., assignee: *See*— Maynard, Charles E., and Gustafson. Middleton, Earl F.
Designers for Industry, Inc., assignee: *See*— Mankki, Onnie.
Des Jardins, Clarence B.: *See*— Carothers, Thomas A., Des Jardins, and Utz.
Desmond, William J.: *See*— Desmond, William T. C. and W. J.
Desmond, William T. C., West Orange, and W. J. Desmond, Harrison, N. J., assignors to Noma Electric Corporation, New York, N. Y. Ornamental electric light fixture. 2,509,219, May 30.
Desmond, William T. C., West Orange, and W. J. Desmond, Harrison, N. J., assignors to Noma Electric Corporation, New York, N. Y. Ornamental electric light fixture. 2,509,220, May 30.
Desmoulins, Emile H., Puteaux, France. Propelling mechanism. 2,531,032, Nov. 21.
Despois, Edouard, Paris, France, assignor to Societe Francaise Radio Electrique. Manufacture of the envelopes of electron discharge and other evacuated devices. 2,504,504, Apr. 18.
Despres, Marcel, Grand Rapids, Mich. Gripper for dowel machines. 2,525,118, Oct. 10.

Desrochers, Fernand, assignor to Dominion Corset Company Limited, Quebec, Quebec, Canada. Girdle. 2,531,769, Nov. 28.

Dessart, Jean, Brussels, Belgium, assignor to Clayton Dewandre Company Limited, Lincoln, Great Britain. Vehicle brake with automatic adjustment. 2,525,212, Oct. 10.

Des Saulles, Lena, Anthony, N. Mex. Bobby pin opener. 2,506,859, May 9.

D'Essen, Martin S., assignee: *See*—
Stevens, Farron L.

Dessert, Alice M., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Preparation of 2-mercaptoimidazole. 2,519,310, Aug. 15.

Desso, David A., Sr., and G. F. White, Somers, Conn. Creeper attachment for crutches or canes. 2,501,890, Mar. 28.

De Stefano, Vincent, Union City, N. J. Extension shoe for ladder legs. 2,517,771, Aug. 8.

Desthieux, Georges: *See*—
Delorme, Jean and Desthieux.

De Swart, Jan, Los Angeles, Calif., assignor, by mesne assignments, to Shellmar Products Corporation, Mount Vernon, Ohio. Dispensing closure for containers. 2,507,248, May 9.

De Swart, Jan, Los Angeles, Calif., assignor, by mesne assignments, to Shellmar Products Corporation, Chicago, Ill. Dispenser for powdered material. 2,508,939, May 23.

De Tamble, Richard: *See*—
Edlund, Henry K., Monjar, Shuman, and De Tamble.

De Tar, De Los F.: *See*—
Carmack, Marvin, and De Tar.

De Tar, Donald R., Stratford, Conn., and M. J. Kirk, assignors to Aladdin Industries, Incorporated, Chicago, Ill. Channel selector. 2,521,968, Sept. 12.

De Tar, Donald R., White Plains, N. Y., assignor, by mesne assignments, to Allied Control Company, Inc. Automatic calipering and sorting mechanism. 2,504,505, Apr. 18.

De Thomas, Firsty, assignee: *See*—
Bozzelli, Albert L.

Detling, Kenneth D., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Production of organic halogen compound. 2,501,597, Mar. 21.

Detrex Corporation, assignee: *See*—
Kearney, Thomas J., and McGregor.

Détrez, René, Nogent, France. Supporting device for bottles and other receptacles on filling, stoppering, capsuling, and the like machines. 2,535,272, Dec. 26.

Detrick, Walter W., Quincy, Ill. Lateral drill. 2,529,246, Nov. 7.

Detroit Brass & Malleable Works, assignee: *See*—
Imhoff, Robert E., and Wildern.

Detroit Harvester Company, assignee: *See*—
Abgarian, Aram.
Floraday, Burton S.
Keller, August.

Detroit Lubricator Company, assignee: *See*—
Carter, Franklyn Y.
Dillman, Earnest J.
Landon, Walter S.
Von Wangenheim, Adolf.

Detroit Macoid Corporation, assignee: *See*—
Bradley, Stephen D.

Detroit Mold Engineering Company, assignee: *See*—
Kosobud, William.

Detroit Power Screwdriver Company, assignee: *See*—
Bailey, Roy W., and Faull.

Detroit Sheet Metal Works, assignee: *See*—
Baker, Wedworth V.

Detroit Stamping Company, assignee: *See*—
Spencer, John T.

Detroit Stoker Company, assignee: *See*—
Sparks, Cedric H.

Detroit Tap & Tool Company, assignee: *See*—
Hellstrom, Sven B.

Dettling, Edwin J., assignor of one-half to J. C. Dettling, Pittsburgh, Pa. Preformed concrete step. 2,515,823, July 18.

Dettling, J. Clayton, assignee: *See*—
Dettling, Edwin J.

Dettman, Fred C., Rochester, N. Y. Hot dog cutter. 2,520,000, Aug. 22.

Dettman, Virgil: *See*—
Reiter, William, and Dettman.

Detuno, Rocco J.: *See*—
Christiansen, Milton J., Detuno, and Garbe.

Detuno, Rocco J., Chicago, Ill., and H. W. Garbe, Eau Claire, Wis., assignors to Western Electric Company, Incorporated, New York, N. Y. Automatic conveyerized brazing apparatus. 2,504,815, Apr. 18.

Detweiler, Enos A., Chicago, Ill. Floor processing device. 2,528,870, Nov. 7.

Detweiler, James I., assignor to Lockheed Aircraft Corporation, Burbank, Calif. Hydraulic coupling. 2,497,441, Feb. 14.

Detweiler, James I., assignor to Lockheed Aircraft Corporation, Burbank, Calif. Pressure balanced packing. 2,520,306, Aug. 29.

Detweiler, Vernon F., Lansdale, Pa. Display carrier. 2,530,231, Nov. 14.

Deuschle, Basil C., Southport, assignor to The Fairfield Lumber and Supply Co., Fairfield, Conn. Headboard structure for bedsteads. 2,528,871, Nov. 7.

Deutsch, Charles K., Spring Valley, N. Y. Slider for slide fasteners. 2,520,496, Aug. 29.

Deutsch Company, The, assignee: *See*—
Douglas, Courtney C.

Deutsch, Franz S.: *See*—
Davies, Drury N., and Deutsch.

Deutsch, Fritz A., New York, N. Y. Applier for applying a length of an adhesive tape to a surface. 2,500,157, Mar. 14.

Deutsch, Harold F.: *See*—
Williams, John W., and Deutsch.

Deutsch, Walter H., Seattle, Wash. Jiffy slip fishing sinker. 2,95,572, Jan. 24.

Deutschman, Rudolph A., Hawarden, Iowa. Valved protector for cartons. 2,535,273, Dec. 26.

Deutschmann, Tobe, assignee: *See*—
Rich, Stanley R.

Deutschmann, Tobe, Corporation, assignee: *See*—
Sutter, Erwin L.
Turner, Edwin E., Jr.

Devaud, Albert J. assignee: *See*—
Jaccard, René P.

Devaney, Lawrence W., Fishkill, assignor to The Texas Company, New York, N. Y. Nuclear halogenation of thiophene. 2,533,098, Dec. 5.

De Vault, Albert N., Bartlesville, Okla., assignor to Phillips Petroleum Company. Propane fractionation of lubricating oil stocks. 2,527,404, Oct. 24.

De Vault, Ralph P., Arcadia, Calif. Egg beater. 2,499,371, Mar. 7.

Devaux, Lucien, Paris, France, assignor to International Standard Electric Corporation, New York, N. Y. Multiple frequency telegraph system. 2,495,705, Jan. 31.

Devaux, Lucien, Paris, France, assignor to International Standard Electric Corporation, New York, N. Y. Selective call system. 2,512,613, June 27.

Devens, Joseph M., Springfield, Mass. Vending machine. 2,493,753, Jan. 10.

Deverall, Charles N., Buffalo, assignor to Niagara Blower Company, New York, N. Y. Heat exchanger for cooling compressed gases. 2,513,010, June 27.

Devers, Charles E., Long Beach, Calif. Carpenter's transit. 2,497,933, Feb. 21.

Devers, William M., Springfield, Ohio. Preparing intaglio printing surfaces. 2,530,232, Nov. 14.

De Vilbiss Company, The, assignee: *See*—
Peeps, Donald J.

De Vilbiss, John A., St. Mary, Kans., assignor to Rockhurst College, Kansas City, Mo. Pressure regulator for inflatable bodies. 2,505,949, May 2.

Deviley, Milton H., Oneida, Wis. Hitch. 2,531,559, Nov. 28.

De Villafranca, Edward F.: *See*—
Groebe, John L., and de Villafranca.

De Ville, Edward J., Dayton, Ohio, assignor by decree of distribution to H. De Ville and C. Quartel. Water softener. 2,504,816, Apr. 18.

De Ville, Helen, assignee: *See*—
De Ville, Edward J.

De Ville, Milton J., Bossier City, La. Feed saver. 2,525,654, Oct. 10.

Devillers, René: *See*—
Breguet, Louis, and Devillers.

Devin, Katherine, Hollywood, Calif. Safety sleeping garment. 2,524,429, Oct. 3.

De Vincent, Michael J., and T. C. Pomatico, Brooklyn, N. Y. Sparking yo-yo. 2,517,849, Aug. 8.

De Vincenzi, Charles E., and D. Poverello, San Francisco, Calif.; said Poverello assignor to said De Vincenzi. Device for dispensing pastes or creams in collapsible tubular containers. 2,527,246, Oct. 24.

Devine, Bernard F., Wauwatosa, and L. G. Hilkemeier, Greenfield, assignors to Chain Belt Company, Milwaukee, Wis. Transit concrete mixer having adjustable discharge height. 2,533,362, Dec. 12.

Devine, George F., Easton, Conn., assignor to General Electric Company. Leakage minimizing shield for electron discharge devices. 2,497,660, Feb. 14.

Devine, J. E., assignee: *See*—
Ellis, Clarence M.

Devine, John U., Struthers, G. T. Radford, Youngstown, and M. S. Gettig, Poland, Ohio. Hydraulic pipe testing machine. 2,493,061, Jan. 3.

Devirian, Philip S., Jr., San Jose, Calif., assignor to Food Machinery and Chemical Corporation. Axle mounted power transmission and casing for drive wheels. 2,530,941, Nov. 21.

De Vitto, Salvatore T., Chicago, Ill., assignor to Society Brand Clothes, Inc. Garment pressing machine. 2,533,188, Dec. 5.

De Vlieg, Gerard A., San Diego, Calif. Lawn trimmer. 2,510,387, June 6.

Devoe & Raynolds Company, Inc., assignee: *See*—
Bixler, Carl E.
First, Melvin J.
Greenlee, Sylvan O.
Greenlee, Sylvan O., and Zech.
Montague, Latané G.

Devol, Lee, West Hartford, Conn., assignor to Anthracite Equipment Corporation, Wilkes-Barre, Pa. Vibratory conveyer. 2,535,050, Dec. 26.

Devol, Lee T., and William J. Ayers, Associated, assignors to Tide Water Associated Oil Company, San Francisco, Calif. Sweetening light hydrocarbon oils. 2,508,817, May 23.

Devol, Manson L., Wilkinsburg, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Making plate glass. 2,505,103, Apr. 25.

De Voos, Julius J., Forest Hills, N. Y. Sandal with notched sole element to receive strap ends. 2,505,032, Apr. 25.

De Vore, Henry B.: *See*—
Iams, Harley, and De Vore.

De Vore, Henry B., Belle Mead, N. J., assignor to Radio Corporation of America. Lens for focusing radio waves. 2,528,582, Nov. 7.

De Vore, Henry B., Cranbury, N. J., assignor to Radio Corporation of America. Electron discharge device employing cavity resonators. 2,497,831, Feb. 14.

De Vore, Henry B., Cranbury, N. J., assignor to Radio Corporation of America. Brightness control for pulse echo position indicator systems. 2,510,687, June 6.

De Voss, Letta I., and A. C. Beckel, Peoria, and P. A. Belter, Pekin, Ill., assignors to the United States of America as represented by the Secretary of Agriculture, Vegetable gel. 2,495,706, Jan. 31.

De Vries, Abraham and L., Amsterdam, Netherlands. Method and device for making biased spiral wound tension springs. 2,495,212, Jan. 24.

De Vries, Louis: *See*—
De Vries, Abraham and L.

De Vries, Reinier P., Melrose, Mass. Adjustable baffle arrangement for use with steam generating boilers. 2,515,701, July 18.

De Vry, Albert G., Chicago, Ill. Photo record book. 2,500,528, Mar. 14.

De Vry Corporation, assignee: *See*—
Washam, Joseph.

Dew, Elizabeth Newton, assignee: *See*—
Michaux, William W., Jr.

De Waal, Paul: *See*—
Lindquist, Arvid, and de Waal.

De Wall, Otto J., Titonka, Iowa. Buncher for baled hay. 2,531,560, Nov. 28.

De Walt, Kenneth C., Scotia, N. Y., assignor to General Electric Company. Fluid-cooled electric discharge device. 1,513,920, July 4.

Dewan, Leon, assignor of one-half to P. W. Andrews, New York, N. Y. Arc-welding mask. 2,514,990, July 11.

Dewar, James R., assignor to Stromberg-Carlson Company, Rochester, N. Y. Overload protection arrangement for harmonic converters. 2,508,907, May 23.

Dewar, James R., Rochester, N. Y. Gas tube and resistor shunt to prevent distortion at impulse contacts. 2,517,292, Aug. 1.

Dewar, James R., Rochester, N. Y., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Relay timing interrupter circuit. 2,522,705, Sept. 19.

Dewar, Norman F., Gages Lake, assignor to Graphic Calculator Company, Chicago, Ill. Slide rule. 2,530,047, Nov. 14.

Dewas, Raymond, Amiens, France. Apparatus for unwinding rayon cakes. 2,523,502, Sept. 26.

De Weese, Eugene R., Arlington, Va. Tone arm carriage. 2,532,293, Dec. 5.

De Weiss, Ferdinand A.: *See*—
Tandler, William S., Walker, and de Weiss.

De Westfelt, Gerard P.: *See*—
Braddon, Frederick D., De Westfelt, and Brannin.

Dewey and Almy Chemical Company, assignee: *See*—
Browne, Theodore C.
Dawbarn, Waring L.
Foye, Allen B.
Isom, Langley W.
Shanklin, Dunbar L., and Stokes.

Dewey, Chalmers B., Manhasset, N. Y., assignor to Reeves-Hoffman Corporation, Carlisle, Pa. Holder for piezoelectric oscillators. 2,508,232, May 16.

Dewey, Clarence L., Elkhart, Ind. Chair. 2,494,647, Jan. 17.

Dewey, Clarence L., Grand Rapids, Mich. Chair cover construction. 2,534,502, Dec. 19.

Dewey, David B., Pasadena, Calif. Control means for regulating feathering members. 2,501,994, Mar. 28.

Dewey, Edward B., Washington, D. C. Extensible tip for dividers. 2,510,805, June 6.

Dewey, Ray T., Watonga, Okla. Insect exterminator. 2,517,291, Aug. 1.

Dewey, Weytus E., Omaha, Nebr. Boot soiling apparatus. 2,522,021, Sept. 12.

Dewhirst, Paul A., assignee: *See*—
Hamer, Leland S.

Dewhurst, Wallace W., Haddon Heights, and P. R. Bennett, Merchantville, N. J., assignors to Radio Corporation of America. Adjustably tuned coupling unit. 2,503,100, Apr. 4.

De Wiess, Ferdinand A.: *See*—
Tandler, William S., Walker, de Wiess, and Teller.

Dewing, Francis W., Rockford, Ill. Shopping bag carrier cart. 2,514,849, July 11.

De Witt, Charles E., Big Prairie, Ohio. Tractor hitch. 2,534,109, Dec. 12.

De Witt, Edward J., Winnetka, assignor to Wallace Supplies Manufacturing Co., Chicago, Ill. Bending machine. 2,525,403, Oct. 10.

De Witt, Henry C.: *See*—
Hill, Gilbert, and De Witt.

De Witt, John P., La Mesa, and J. O. Butler, Chula Vista, assignors of one-half to W. M. Johnson, San Diego, Calif. Belt cleaner. 2,529,003, Nov. 7.

De Witt, Lloyd R., Mount Vernon, Ill. Film magazine. 2,497,157, Feb. 14.

De Wolfe, Harvey A., Costa Mesa, Calif. Bridle bit. 2,512,244, June 20.

Dexdale Hosiery Mills, assignee: *See*—
Berger, Emil J., and West.

Dexter Company, The, assignee: *See*—
Dunn, Vernon E.

Dexter, Earl E., Highgate Springs, Vt. Safety pin. 2,502,931, Apr. 4.

Dexter, Frank H.: *See*—
Gilbert, Herman W., Dexter, and Deichmann.

Dexter, Frederick A., assignor to The Leavitt Machine Company, Orange, Mass. Separator blowoff valve. 2,508,015, May 16.

Dexter, Lyall N., Glen Iris, Victoria, Australia. Apparatus for stripping fabrics. 2,494,378, Jan. 10.

Dexter, Stephen T., assignor to Michigan State Board of Agriculture, East Lansing, Mich. Preserving unpopped pop corn at optimum moisture content. 2,497,399, Feb. 14.

Dexter, Stephen T., assignor to The State Board of Agriculture, East Lansing, Mich. Apparatus for determining the moisture content of vegetable products. 2,531,673, Nov. 28.

Dexter-Wayne Company, assignee: *See*—
Cook, Charles J.

Dextone Company, The, assignee: *See*—
Falco, Louis L.

Dextrex Corporation, assignee: *See*—
Faler, John A.

Deyo, Leonard C., Lewiston, Idaho. Automatic Christmas tree fire extinguisher. 2,522,020, Sept. 12.

Deyo, Mark R., Peoria, Ill. Lock for doors and windows. 2,497,982, Feb. 21.

De Young, Peter, Clifton, Tex. Motor operated hedge or grass trimmer. 2,532,982, Dec. 5.

D'Halloy, Audoin, deceased, Paris, France; H. N. Hamdi, widow and sole heir. Piezoelectric element. 2,511,624, June 13.

D'Huy, Franciscus P., Overveen, Netherlands. Bookbinding case, the covers of which consist of cardboard, which is doubled by folding it along the edges. 2,517,640, Aug. 8.

D'Humy, Fernand E., Scarsdale, H. P. Corwith, New York, N. Y., and R. D. Parrott, West New York, and F. L. O'Brien, Rutherford, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Combined facsimile transmitter-recorder. 2,511,837, June 20.

Diago, Enrique R., Barranquilla, Colombia. System of transcribing for the blind. 2,503,941, Apr. 11.

Diagraph-Bradley Stencil Machine Corporation, assignee: *See*—
Magann, Merritt W., and McElvain.

Diamond Alkali Company, assignee: *See*—
Butler, Clarence A., Jr.
Cunningham, George L., and Pretka.
Olson, Harry S.
Seyb, Leslie P., Foster, and Clayton.

Diamond, Emanuel, Philadelphia, assignor of one-half to Clarence Frankford, Havertown, Pa. Fastener setting machine with depressible work-supporting member. 2,530,380, Nov. 21.

Diamond, Harry, Elizabeth, N. J. Loading bridge. 2,521,349, Sept. 5.

Diamond, Harry, New York, N. Y. Sewing machine for elastic seams. 2,534,701, Dec. 19.

Diamond Match Company, The, assignee: *See*—
Dunton, Frank E.
Wright, Charles F.

Diamond Power Specialty Corporation, assignee: *See*—
Handoll, Percy G., and Bettle.
Howse, Curtis L.

D'Ianni, James D., assignor to Wingfoot Corporation, Akron, Ohio. Urea aldehyde modified rubber. 2,522,349, Sept. 12.

D'Ianni, James D., assignor to Wingfoot Corporation, Akron, Ohio. Phenol-aldehyde-rubber derivatives. 2,525,655, Oct. 10.

Diaz, Braulio D., Brawley, Calif. Flagstaff. 2,507,623, May 16.

Diaz, Floyd C., Charleroi, Pa., assignor to The American Steel and Wire Company of New Jersey. Roof-nosed tuyère. 2,501,265, Mar. 21.

Di Bari, Joseph, Brooklyn, N. Y. Combined bottle cooler and holder. 2,494,289, Jan. 10.

Dibblee, Harold J., Eaton, Ohio. Vibration isolator. 2,510,963, June 13.

Dibdin, Thomas J. R., Liverpool, England, assignor to Dunlop Tire and Rubber Corporation, Buffalo, N. Y. Apparatus for vulcanizing rubber or the like. 2,505,826, May 2.

Dibdin, Thomas J. R., Liverpool, England, assignor to Dunlop Tire and Rubber Corporation, Buffalo, N. Y. Apparatus for gelling and vulcanizing rubber. 2,526,461, Oct. 17.

Dibert, Fred, Flint, Mich. Automatic temperature regulator. 2,527,622, Oct. 31.

Dibert, George F., and E. C. Holst, Spokane, Wash. Steering mechanism for trailers. 2,532,151, Nov. 28.

Dibrell, James W., Brooklyn, and P. White, Queens Village, N. Y.; D. L. White, administratrix of said P. White, deceased, assignor to said Dibrell. Instrument for drawing ellipses or the like. 2,493,229, Jan. 3.

Dibrell, Louis N., Jr., Danville, Va. Tobacco stemming. 2,509,488, May 30.

Dice, Carl M.: *See*—
Li, Kuo C., and Dice.

Dice, Robert P., Webster Springs, and B. H. Keener, Bergoo, W. Va. Remote-control device. 2,534,110, Dec. 12.

Diced Cream of America Co., assignee: *See*—
Luterick, Marcellus C.

Dick, Arthur A., Towson, Md. Combined dust-ridding and sand-reclaiming shield. 2,520,627, Aug. 29.

Dick, George W., Lima, Ohio, assignor to The Bastian-Blessing Company, Chicago, Ill. Gas generating apparatus. 2,500,936, Mar. 21.

Dick, George W., Loveland, Ohio, assignor to The Bastian-Blessing Company, Chicago, Ill. Method of and apparatus for generating gas from liquefied gas. 2,501,650, Mar. 21.

Dick, Marion T., assignor to Cadet Smokestands Company, Des Moines, Iowa. Trap door hopper top. 2,531,503, Nov. 28.

Dick, Ross L., Portsmouth, Ohio. Variable ratio ring gear and pinion assembly. 2,523,945, Sept. 26.

Dick, Wade W., Shreveport, La. Adjustable domestic tool carriage. 2,528,872, Nov. 7.

Dick, Wade W., Shreveport, La. Brake pin tool. 2,529,599, Nov. 14.

Dick, Wilbert E., Detroit, Mich. Dump wagon. 2,524,122, Oct. 3.

Dicke, Allen A., assignee: *See*—
Dicke, Robert H.

Dicke, Allen A., Montclair, N. J., assignor to Crown Controls Company, Inc., New Bremen, Ohio. Limit switch. 2,529,652, Nov. 14.

Dicke, Allen A., Jr., Upper Montclair, N. J., assignor, by mesne assignments, to Crown Controls Company, Inc., New Bremen, Ohio. Limit switch instrument. 2,504,010, Apr. 11.

Dicke, Oscar H., Rochester, N. Y., and R. H. Dicke, Cambridge, Mass., assignors to International Business Machines Corporation, New York, N. Y. Sustained power electric clock. 2,510,562, June 6.

Dicke, Robert H.: *See*—
Dicke, Oscar H. and R. H.

Dicke, Robert H., Cambridge, Mass., assignor, by mesne assignments to the United States of America as represented by the Secretary of War. Single side band modulation system. 2,496,521, Feb. 7.

Dicke, Robert H., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Electrical apparatus. 2,527,712, Oct. 31.

Dicke, Robert H., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Moving target indicator. 2,535,274, Dec. 26.

Dicke, Robert H., Princeton, N. J. Sound recording and reproducing apparatus. 2,508,451, May 23.

Dicke, Robert H., Princeton, assignor of one-half to A. A. Dicke, Montclair, N. J. Power transmission. 2,512,717, June 27.

Dicke, Robert H., Princeton, N. J. Electrostatic vibration detector. 2,532,060, Nov. 28.

Dickel, Geraldine B.: *See*—
Swern, Daniel, and Dickel.

Dickens, Hubert M.: *See*—
White, Norwood C., and Dickens.

Dickensheets, Tullie O., Dayton, Ohio. Novelty cane. 2,508,104, May 16.

Dickenson, Edna V., assignee: *See*—
Bruen, George C.

Dickerman, Fred N.: *See*—
Hefferman, Robert C., and Dickerman.

Dickerman, Harry K.: *See*—
Nyden, Robert, and Dickerman.

Dickerson, Delbert J., Agoura, assignor of one-half to A. B. McMahan, Long Beach, Calif. Tuning device. 2,514,153, July 4.

Dickerson, Delbert J., Agoura, assignor of one-half to A. B. McMahan, Long Beach, Calif. Apparatus for tuning stringed musical instruments. 2,514,315, July 4.

Dickey, Frank H.: *See*—
Rust, Frederick F., and Dickey.

Dickey, John W., Newfield, assignor to Bendix Aviation Corporation, Elmira Heights, N. Y. Electrical transmission system for speedometers and the like. 2,511,698, June 13.

Dickey, John W., Newfield, assignor to Bendix Aviation Corporation, Elmira Heights, N. Y. Engine starter control switch. 2,516,304, July 25.

Dickey, John W., Newfield, and N. S. Trout, Jr., Elmira, assignors to Bendix Aviation Corporation, Elmira Heights, N. Y. Electromagnetic pump. 2,533,164, Dec. 5.

Dickey, Joseph B.: *See*—
Coover, Harry W., Guillet, and Dickey.
Coover, Harry W., Stanin, and Dickey.
Coover, Harry W., Jr., and Dickey.
Coover, Harry W., Jr., Stanin, and Dickey.
Towne, Edmund B., and Dickey.

Dickey, Joseph B., assignor to Eastman Kodak Company, Rochester, N. Y. P-nitro-o-methylsulfonebenzeneazo-n-β-cyanoethyl-n-hydroxyalkylaniline dye compounds. 2,492,971, Jan. 3.

Dickey, Joseph B., assignor to Eastman Kodak Company, Rochester, N. Y. P-nitro-o-trifluoromethylbenzeneazo-n-β-cyanoethyl-n-hydroxyalkylaniline dye compounds. 2,492,972, Jan. 3.

Dickey, Joseph B., assignor to Eastman Kodak Company, Rochester, N. Y. Polymers and copolymers of unsaturated amides. 2,496,275, Feb. 7.

Dickey, Joseph B., assignor to Eastman Kodak Company, Rochester, N. Y. Aminobenzene compounds containing fluorine. 2,516,106, July 25.

Dickey, Joseph B., assignor to Eastman Kodak Company, Rochester, N. Y. Monocyclic aminobenzene compounds containing fluorine. 2,516,107, July 25.

Dickey, Joseph B., assignor to Eastman Kodak Company, Rochester, N. Y. Fluorine-containing azo compounds. 2,516,302, July 25.

Dickey, Joseph B., assignor to Eastman Kodak Company, Rochester, N. Y. Azo compounds containing fluorine. 2,516,303, July 25.

Dickey, Joseph B., assignor to Eastman Kodak Company, Rochester, N. Y. Monoazo compounds containing a 4-hydroxyquinolone-2 group. 2,529,924, Nov. 14.

Dickey, Joseph B., and T. E. Stanin, assignors to Eastman Kodak Company, Rochester, N. Y. Acylamino styrene polymers. 2,500,025, Mar. 7.

Dickey, Joseph B., Rochester, N. Y., N. J. Bowman, Gary, Ind., and C. G. Stuckwisch, Wichita, Kans., assignors to Eastman Kodak Company, Rochester, N. Y. Copolymers of 2-substituted-1-acyloxybutadiene-1,3 compounds. 2,500,121, Mar. 7.

Dickey, Joseph B., and F. C. Duennebier, assignors to Eastman Kodak Company, Rochester, N. Y. Making a 3-halo-2-methylquinoline. 2,507,146, May 9.

Dickey, Joseph B., and H. W. Coover, Jr., assignors to Eastman Kodak Company, Rochester, N. Y. Acyloxyvinyl alkyl sulfones and polymers thereof. 2,507,147, May 9.

Dickey, Joseph B., and A. Loria, assignors to Eastman Kodak Company, Rochester, N. Y. 1,4-diaminoanthraquinone compounds containing a cyano group in the 2-position. 2,510,088, June 6.

Dickey, Joseph B., and T. E. Stanin, assignors to Eastman Kodak Company, Rochester, N. Y. Polymers of carboxyamido-and sulfonamido-styrene. 2,520,917, Sept. 5.

Dickey, Joseph B., and T. E. Stanin, assignors to Eastman Kodak Company, Rochester, N. Y. Producing vinyl trifluoroacetate. 2,525,530, Oct. 10.

Dickey, Joseph B., Rochester, N. Y., and J. G. McNally, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. 2-(2-hydroxyethoxy)ethylamine. 2,529,923, Nov. 14.

Dickey, Joseph B., and H. W. Coover, Jr., assignors to Eastman Kodak Company, Rochester, N. Y. Copolymers containing 9-methylenefluorene. 2,533,207, Dec. 12.

Dickey, Paul S., East Cleveland, Ohio, assignor to Bailey Meter Company. Locomotive power plant. 2,496,041, Jan. 31.

Dickey, Paul S., East Cleveland, Ohio, assignor to Bailey Meter Company. Furnace fuel feeder control system. 2,530,117, Nov. 14.

Dickey, Ralph L., Fullerton, Calif. Base. 2,526,854, Oct. 24.

Dickey, Thomas A., United States Navy. Antidetonant flow control system. 2,495,231, Jan. 24.

Dickie, William A., and G. Rudorf, London, England, assignors, by mesne assignments, to Celanese Corporation of America. Self-sealing fuel container having a sealing layer composed of a textile fabric coated with a mixed cellulose ester. 2,500,158, Mar. 14.

Dickieson, Edward F., Jr., Detroit, Mich., N. L. Dickieson, executrix of said E. F. Dickieson, Jr., deceased. Refrigerating means, including a plurality of fans and adjustable means for driving the same. 2,494,117, Jan. 10.

Dickieson, Nathalie L., executrix: *See*—
Dickieson, Edward F., Jr.

Dickinson, Arthur H.: *See*—
Roth, Robert I., Dickinson, and Wheeler.

Dickinson, Arthur H., Greenwich, Conn., assignor to International Business Machines Corporation, New York, N. Y. Electronic accounting apparatus. 2,514,035, July 4.

Dickinson, Arthur H., Greenwich, Conn., assignor to International Business Machines Corporation, New York, N. Y. Selective number electronic pulse producer. 2,514,036, July 4.

Dickinson, Arthur H., Greenwich, Conn., assignor to International Business Machines Corporation, New York, N. Y. Electronic commutator. 2,514,037, July 4.

Dickinson, Arthur H., Greenwich, Conn., assignor to International Business Machines Corporation, New York, N. Y. Commutator. 2,517,986, Aug. 8.

Dickinson, Arthur H., Greenwich, Conn., assignor to International Business Machines Corporation, New York, N. Y. Electronic counter. 2,521,350, Sept. 5.
Dickinson, Arthur H., Greenwich, Conn., assignor to International Business Machines Corporation, New York, N. Y. Electronic system. 2,524,123, Oct. 3.
Dickinson, Arthur H., Greenwich, Conn., and B. F. Ambrosio, Long Island City, assignors to International Business Machines Corporation, New York, N. Y. Electrical system. 2,517,987, Aug. 8.
Dickinson, Edna V., assignee: *See*—
Bruen, George C.
Dickinson, Edwin A., Verona, N. J., and G. L. Pross, Valley Stream, assignors to Reeves-Ely Laboratories, Inc., New York, N. Y. Remote control swivel mounting for boom-supported microphones. 2,526,604, Oct. 17.
Dickinson, Ernest, Birmingham, assignor, by mesne assignments, to A. C. Wickman, Limited, Coventry, England. Lapping machine. 2,530,424, Nov. 21.
Dickinson, Frank R., Glen Ridge, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical connector. 2,528,121, Oct. 31.
Dickinson, Ingram, assignor to Southern Belting Company, Atlanta, Ga. Check strap for looms. 2,509,676, May 30.
Dickinson, John T., Basking Ridge, N. J., O. Morfit, Scarsdale, N. Y., and L. J. Van Orden, Bloomfield, assignors to The M. W. Kellogg Company, Jersey City, N. J. Method for concentrating vitamins by solvent fractionation. 2,499,991, Mar. 7.
Dickinson, Norman E., Windsor, Conn. Toy whip airplane. 2,528,268, Oct. 31.
Dickison, John M., Monroe, Wash. Director sight. 2,504,115, Apr. 18.
Dickmann, Edwin A.: *See*—
Gleave, Russell, and Dickmann.
Dickson, Charles H., assignor to Taylor Instrument Companies, Rochester, N. Y. Tube and Bourdon spring. 2,522,780, Sept. 19.
Dickson, John, Neptune, N. J. Pulse resolving network. 2,523,283, Sept. 26.
Dickson, John B., assignor to Chrysler Corporation, Highland Park, Mich. License plate mounting. 2,518,669, Aug. 15.
Dickson, Sidney M., Perrysville, Pa. Cigarette tray or receptacle. 2,505,351, Apr. 25.
Dickson, Stanley D., London, England. Scraper board and making. 2,523,650, Sept. 26.
Dickson, Wilburne A., Gretna, La. Fishing tool attachment. 2,504,397, Apr. 18.
Dickson, Wilburne A., Gretna, La. Cathead. 2,512,564, June 20.
Dicop, Jean R.: *See*—
Thirard, Armand H. J., and Dicop.
Di Cosmo, Pasquale V., Hopatcong, assignor to The Canister Company, Inc., Phillipsburg, N. J. Plug-type container closure with transparent window. 2,528,948, Nov. 7.
Dictaphone Corporation, assignee: *See*—
Beard, Theodore H., and Cameron.
Bossmeyer, Charles L.
Norton, Leland D.
Petruschell, Lucius P.
Roberts, Frederick W.
Roberts, Frederick W., and Yerkovich.
Dictavox Company, Inc., assignee: *See*—
Webb, Horace L.
Dictograph Products Company, Inc., assignee: *See*—
Young, Don H.
Diderrich, George T., Milwaukee, Wis. Fish rod holder or carrier. 2,516,759, July 25.
Diebel, Henry S., Downey, assignor to G. G. Bakewell, Pasadena, Calif. Door closing control hinge. 2,493,115, Jan. 3.
Diebel, Henry S., Downey, assignor to G. G. Bakewell, Pasadena, Calif. Door closer. 2,493,116, Jan. 3.
Diebel, Henry S., Downey, assignor to G. G. Bakewell, Pasadena, Calif. Hydraulic checking hinge. 2,493,117, Jan. 3.
Diebel, Henry S., Downey, assignor to G. G. Bakewell, Pasadena, Calif. Door-closing control hinge. 2,493,118, Jan. 3.
Diebold, Eduard, Zurich, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Mechanical rectifier. 2,502,932, Apr. 4.
Diebold, Fritz, assignor to Robert Bauman & Cie, Geneva, Switzerland. Trouser holder. 2,526,203, Oct. 17.
Diebold, Incorporated, assignee: *See*—
Miller, Karl H.
Diebold, Pierre, Nancy, France. Vertical elevator. 2,494,165, Jan. 10.
Diefenthaler, William, assignee: *See*—
Chrastina, John.
Diehl, Donald A.: *See*—
Cahusac, Clarence N., and Diehl.
Diehl, Elias S., Bedford, Pa. Animal confining means. 2,520,385, Aug. 29.
Diehl, G. M., Machine Works, Inc., The, assignee: *See*—
Gustin, George M.
Diehl, John C.: *See*—
Christian, Edward C., and Diehl.
Diehl, Walter S., U. S. Navy. Angle of attack indicator. 2,503,249, Apr. 11.
Diehl, William C., Jr., North Bergen, N. J. Valve. 2,499,732, Mar. 7.
Diehm, Robert A., Riverside, Ill., assignor, by mesne assignments, to Paper Patents Company, Neenah, Wis. Apparatus for preparation of rotogravure cylinders. 2,523,199, Sept. 19.
Diehnelt, Walter, Menomonee Falls, Wis. Beehive cover. 2,492,880, Feb. 28.
Diehr, Charles A., Fairfield, Conn. Shoulder bow. 2,520,713, Aug. 29.
Dieker, Robert J., St. Louis, Mo. Vaporizer. 2,534,661, Dec. 19.
Diekmann, Daniel J., Chicago, and R. Polivka, Berwyn, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Article forming apparatus. 2,526,336, Oct. 17.
Dielectric Products Company, Inc., assignee: *See*—
Marshall, James R.
Dielectric Products Company, Incorporated, assignee: *See*—
Clement, Irving H.
Diemer, Gesinus, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electric discharge tube comprising an indirectly heated cathode. 2,532,838, Dec. 5.
Diemer, Gesinus, and K. S. Knol, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Mixing or detector circuit arrangement. 2,519,443, Aug. 22.
Diener, A. J., administrator.: *See*—
Balch, Harry.
Diener, William W., Elizabeth, assignor to The M. W. Kellogg Company, Jersey City, N. J. Control mechanism. 2,524,343, Oct. 3.
Dienner, John A., assignee: *See*—
Tornquist, Earl L.
Dierick, Gerarda F. E. M., Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Insecticide composition. 2,509,764, May 30.
Diesbach, Eleanor C., trustee, assignee: *See*—
Waechter, Harry J.
Diesel Power Inc., assignee: *See*—
Thaheld, Fred A.
Dieter, Curtis E., and O. H. Hammer, South Haven, assignors to The Dow Chemical Company, Midland, Mich. Insecticide composition comprising di-(monochlorophenoxy)-methane and 1,1-di-(monochlorophenyl)-ethane. 2,499,992, Mar. 7.
Dieter, Curtis E., and B. J. Thiegs, assignors to The Dow Chemical Company, Midland, Mich. Insecticidal composition comprising 1,1-di-(4-chlorophenyl)-2,2,2-trichloro-ethane and 1,1-di-(monochloro-phenyl)-ethane. 2,510,870, June 6.
Dieter, George H., Glendale, assignor to The Fluor Corporation, Ltd., Los Angeles, Calif. Air-cooled heat exchanger. 2,518,760, Aug. 15.
Dieterich, Richard E., River Forest, Ill. Visor principally for one-piece windshields. 2,527,247, Oct. 24.
Dietert, Harry W., Company, assignee: *See*—
Dietert, Harry W., and Doelman.
Dietert, Harry W., and Steinmueller.
Dietert, Harry W., Steinmueller, and King.
Olsen, John J.
Dietert, Harry W., assignor to Harry W. Dietert Company, Detroit, Mich. Apparatus for analysis of gases. 2,526,337, Oct. 17.
Dietert, Harry W., R. E. Steinmueller and C. M. King, Detroit, Mich., assignors to Harry W. Dietert Company. Permeability meter. 2,516,188, July 25.
Dietert, Harry W., and R. L. Doelman, Detroit, Mich., assignors to Harry W. Dietert Company. Apparatus for testing specimens of molding material. 2,521,206, Sept. 5.
Dietert, Harry W., and R. E. Steinmueller, assignors to Harry W. Dietert Company, Detroit, Mich. Impact molding machine. 2,534,421, Dec. 19.
Dietrich, Earle E., Portsmouth, Va. Electric shaver. 2,502,036, Mar. 28.
Dietrich, Walter L., assignor to Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Switch operating mechanism with positive kickoff. 2,534,007, Dec. 12.
Dietz, John J., New York, N. Y., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Calibration of thermal relays. 2,494,863, Jan. 17.
Dietz, Thomas J., Philadelphia, and J. E. Hansen, North Wales, Pa., assignors to the United States of America as represented by the Secretary of Agriculture. Drying allyl starch. 2,510,089, June 6.
Dietz, Victor H.: *See*—
Erpf, Stanley F., Dietz, and Wirtz.
Dietz, Victor H., Ypsilanti, Mich. Apparatus for determining the pH of small amounts of a specimen. 2,499,852, Mar. 7.
Dietz, Waldemar, Little Neck, assignor to Beam Products, Inc., Long Island City, N. Y. Antitarnish composition. 2,531,114, Nov. 21.
Dietzler, Andrew J., assignor to The Dow Chemical Company, Midland, Mich. Ethers of 4,4'-(2-hydroxyisopropylidene) diphenol. 2,526,545, Oct. 17.
Dietzler, Andrew J., and F. Bryner, assignors to The Dow Chemical Company, Midland, Mich. Bis-phenols. 2,503,196, Apr. 4.
Diez, George E., Herrin, Ill. Brush grinder tool. 2,501,891, Mar. 28.

Diezel, Willy H., Fairfield, assignor to The Max Ams Machine Company, Bridgeport, Conn. Cover-feeding mechanism. 2,525,656, Oct. 10.

Di Filippo, Louis R.: *See*—
White, Howard T., Fritsch, and Di Filippo.

Digby, James J., Elmira, assignor to Bendix Aviation Corporation, Elmira Heights, N. Y. Engine starter drive. 2,95,653, Jan. 24.

Diggin, Myron B., Matawan, and O. Kardos, Leonardo, assignors to Hanson-Van Winkle-Munning Company, Matawan, N. J. Cadmium plating bath. 2,526,999, Oct. 24.

Diggle, Harry, assignor to Hivac Limited, Harrow-on-the-Hill, England. Thermionic valve element assembly. 2,503,806, Apr. 11.

Di Giovanna, Tigellia C., Brooklyn, N. Y. Bathing cap. 2,533,879, Dec. 12.

Di Giovanni, Joseph, Fairview, N. J., assignor to United Elevator Service, Inc., New York, N. Y. Call registering mechanism for elevator systems. 2,510,871, June 6.

Di Giulio, Armand, Detroit, Mich. Soldering flux. 2,508,501, May 23.

Digman, John E., Takoma Park, Md. Pedal depressor tool. 2,513,850, July 4.

Digman, John E., Takoma Park, Md. Ground switch for motor vehicle batteries. 2,521,837, Sept. 12.

Di Guglielmo, Joseph, Philadelphia, Pa. Sandal with integral retaining straps. 2,530,004, Nov. 14.

Dihydrol Company, assignee: *See*—
Coldsnow, Van B.

Di Ienno, John J.: *See*—
Stuber, Walter J., and Di Ienno.

Dijksman, Albert J., Bennekom, D. J. E. Nijkamp, Enschede, and O. A. H. Waters, Arnhem, Netherlands, assignors to American Enka Corporation, Enka, N. C. Winding crepe thread. 2,508,502, May 23.

Dike, George A., L. E. Thomas, and G. C. Granger, Seattle, Wash. Machine for molding concrete blocks. 2,512,092, June 20.

Dike, Sheldon H.: *See*—
Ferris, Robert G., and Dike.

Dike, Sheldon H., Ventnor, N. J., assignor to the United States of America as represented by the Secretary of the Navy. Time-delay circuit. 2,509,910, May 30.

Dikeman, Myron J., Grosse Pointe Woods, Mich. Universal fluid drive and control unit. 2,496,042, Jan. 31.

Dildilian, Ara T.: *See*—
Dow, James N., and Dildilian.

Dildilian, Ara T., Suffield, assignor to Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn. Tape and carpet joined therewith. 2,523,865, Sept. 26.

Dilg, Walter C., Hewlett, and G. R. Munro, Harbor Greene, assignors to Waugh Equipment Company, New York, N. Y. Draft gear. 2,522,570, Sept. 19.

Di Liberti, Ernest: *See*—
Kallas, Danos H., Eller, and Di Liberti.

Dilke, William E.: *See*—
Watkins, Douglas M., and Dilke.

Dill, Charles E., Dover, N. J., assignor to Armstrong Cork Company, Lancaster, Pa. Calendering sheet material. 2,533,228, Dec. 12.

Dill Manufacturing Company, The, assignee: *See*—
Boyer, Ralph K.
Wald, George R.

Dillavou, Robert W., Libert Township, Marshall County, Iowa. Combination airplane and wing unit for same. 2,517,850, Aug. 8.

Dillehay, Edward R., Glen Ellyn, Ill., assignor to The Richardson Company, Lockland, Ohio. Acid resistant molding composition and battery box. 2,501,995, Mar. 28.

Dillehay, Edward R., Glen Ellyn, and R. D. Schuetz, Chicago, Ill., assignors to The Richardson Company, Lockland, Ohio. Separator for electric storage batteries. 2,531,504, Nov. 28.

Diller, Isaac M., Glen Ridge, N. J. Forming propeller blades. 2,522,100, Sept. 12.

Diller, Isaac M., Glen Ridge, N. J. Electric arc welding. 2,525,657, Oct. 10.

Dilley, Donald C.: *See*—
Hose, Alfred G., and Dilley.

Dilley, Roy, Cedar Falls, assignor to Waterloo Tire Retreading Company, Waterloo, Iowa. Disk transport. 2,493,230, Jan. 3.

Dillingham, Morgan V., Lee's Summit, Mo. Tractor carried implement attaching mechanism. 2,495,057, Jan. 17.

Dillman, Earnest J., assignor to Detroit Lubricator Company, Detroit, Mich. Refrigeration expansion valve. 2,520,386, Aug. 29.

Dillman, Earnest J., assignor to Detroit Lubricator Company, Detroit, Mich. Temperature operated valve. 2,532,896, Dec. 5.

Dillman, Earnest J., assignor to Detroit Lubricator Company, Detroit, Mich. Automatic valve. 2,534,251, Dec. 19.

Dillman, William A.: *See*—
Castor, Thomas D., Dillman, Fehring, and Strandberg.

Dillon, Bernard C., New Haven, Conn. Fuse plug. 2,501,996, Mar. 28.

Dillon, Edward M., Wheeling, W. Va. Mouthpiece for musical instruments. 2,527,988, Oct. 31.

Dillon, Henry V., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Industrial truck for cable reels and the like. 2,505,352, Apr. 25.

Dillon, Ralph R., assignor to W. C. Dillon & Company, Inc., Chicago, Ill. Safety load limiting means for hoists and the like. 2,512,055, June 20.

Dillon, W. C., & Company, Inc., assignee: *See*—
Dillon, Ralph R.
Dillon, William C., and Kehm.

Dillon, William C., and C. H. Kehm, assignors to W. C. Dillon & Co., Inc., Chicago, Ill. Carrier wave communication system. 2,535,906, Dec. 26.

Dillow, Noel E., Schenectady, N. Y., assignor to General Electric Company. Ground fault neutralizer system. 2,523,002, Sept. 19.

Dills, Samuel L., Bristol, Tenn., assignor to Grey Hosiery Mills, Bristol, Va. Stocking having a contrasting seam and producing same. 2,512,489, June 20.

Dilworth, Otto L., Hartford, Conn. Electric heater. 2,528,503, Nov. 7.

Dilworth, Richard M., Hinsdale, Ill., assignor to General Motors Corporation, Detroit, Mich. Locomotive coupling device. 2,499,300, Feb. 28.

Dilworth, Richard M., Hinsdale, Ill., assignor to General Motors Corporation, Detroit, Mich. Generating electric traction and control system. 2,523,753, Sept. 26.

Di Maio, Vincent, Everett, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Producing sols. 2,515,949, July 18.

Di Maria, Fernando M., Philadelphia, Pa. Crosshatching device. 2,513,404, July 4.

Di Marzo, Vincent, Bronx, N. Y. Rollable type screen assembly. 2,519,638, Aug. 22.

Di Masi, Alberic T., U. S. Navy. Heat reaction product of phosphoric acid and butadiene-acrylonitrile copolymer and preparation. 2,510,090, June 6.

Di Mezza, David, Gloversville, N. Y. Business purse. 2,527,059, Oct. 24.

Dimick, Henry N., assignor to Hyster Company, Portland, Oreg. Intermittently operated vacuum horn. 2,498,256, Feb. 21.

Dimmendaal, Jacob J., Ellecom, Netherlands. Sectional block conduit. 2,521,351, Sept. 5.

Dimmick, Glenn L., Haddon Heights, N. J., assignor to Radio Corporation of America. Commutator for spectrophotometer indicator circuit. 2,515,762, July 18.

Dimmer, Robert P., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Mobile radiotelephone system having a single channel and a single frequency. 2,530,815, Nov. 21.

Dimon, Samuel, Los Angeles, Calif. Traveling scaffold. 2,506,860, May 9.

Di Monico, George S.: *See*—
Leathers, Ward, and Di Monico.

Dimpfl, Ludwig H., Berkeley, assignor to California Research Corporation, San Francisco, Calif. Resinous compositions. 2,498,533, Feb. 21.

Dineen, John, Sea Cliff, assignor to Stratos Corporation, Babylon, N. Y. Emergency disconnect means for auxiliaries. 2,509,813, May 30.

Dinesen, Laurits, assignor to Perfection Manufacturing Corporation, Minneapolis, Minn. Flow indicator for milking machines. 2,513,627, July 4.

Dinesen, Laurits, and L. J. Olson, assignors to Perfection Manufacturing Corporation, Minneapolis, Minn. Rotary pump. 2,493,478, Jan. 3.

Dingeldein, Harry A.: *See*—
Morey, Carl, and Dingeldein.

Dinger, Edward H., and R. R. Thatcher, Schenectady, N. Y., assignors to General Electric Company. Motor speed control system. 2,507,198, May 9.

Dinger, Jacob E.: *See*—
Gunn, Ross, and Dinger.

Dingley, Edward N., Jr., Arlington, Va. Omnidirectional radio beacon. 2,533,229, Dec. 12.

Dingley, Edward N., Jr., United States Navy. Radio beacon system. 2,510,964, June 13.

Dingley, Elmer A., Natick, Mass. Shovel loader. 2,535,727, Dec. 26.

Dingman, Glen H., Sidney, assignor to Bendix Aviation Corporation, New York, N. Y. Ventilating apparatus. 2,515,950, July 18.

Dingman, Harry D.: *See*—
Fletcher, Herbert J., and Dingman.

Dingman, Robert E., Indiana, Pa. Spectacle case. 2,498,202, Feb. 21.

Dings Magnetic Separator Co., assignee: *See*—
Blind, Karl A.
Bradley, William M.

Dinken, Jack M., New York, N. Y. Coat and trouser hanger. 2,494,648, Jan. 17.

Dinkler, George W., Beckley, W. Va. Guide clip for repairing commutators. 2,522,865, Sept. 19.

Dinsley, Alfred, La Canada, Calif. Electrophoretic apparatus for research. 2,535,395, Dec. 26.

Dinsmore, Albert P., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Precision aircraft tachometer. 2,516,189, July 25.

Dinsmore, Dawson J., Sioux Falls, S. Dak. Sash balance. 2,517,851, Aug. 8.

D'Intino, Vito, Sea Isle City, N. J. Safety device for boats towing dragnets. 2,513,153, June 27.

Di Nucci, Edward A.: *See*—
Dailey, William H., Jr., and Di Nucci.
Dinzl, Richard W., Westfield, assignor to The Watson-Stillman Co., Roselle, N. J. Injection molding machine. 2,493,805, Jan. 10.
Dion, Amedee, assignor to Dion Freres Inc., Ste-Therese de Blainville, Quebec, Canada. Belt guide. 2,522,435, Sept. 12.
Dion Freres Inc., assignee: *See*—
Dion, Amedee.
Dion, Raymond F., Leominster, and A. Laraia, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Photoelectric weft detector for looms. 2,522,101, Sept. 12.
Dion, Timothy, Los Angeles, Calif. Safety bayonet fastener for pressure cookers and the like. 2,513,458, July 4.
Dionne, John C.: *See*—
Barnes, Walter C., Keevil, and Dionne.
Dionne, John C., Chicago, Ill. Method and apparatus for detecting flaws. 2,531,413, Nov. 28.
Dionne, Stephen A., Green Bay, Wis. Piston ring tool. 2,526,855, Oct. 24.
Di Paola, George, assignee: *See*—
Bodnar, Joseph.
Di Paolo, Gerard R., North Arlington, and J. A. Anzovino, Elizabeth, assignors to Regal Tool & Mfg. Co., Inc. East Newark, N. J. Adjustable automotive upper control pin. 2,531,326, Nov. 21.
Di Pietro, Nicholas, Philadelphia, Pa. Trouser fly construction. 2,535,487, Dec. 26.
Dippy, Robert J., Old Bexley, England. Cathode-ray oscillograph device. 2,512,923, June 27.
Dirnberger, Lawrence A., Berea, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Neutralization of alkyl pyridinium chlorides. 2,502,643, Apr. 4.
Di Rubbio, Antonio, Brooklyn, N. Y. Cigarette holder. 2,499,733, Mar. 7.
Dishal, Milton, Nutley, N. J., assignor to Federel Telecommunication Laboratories Inc., New York, N. Y. Wide range phase meter. 2,516,858, Aug. 1.
Dishman, Leland F., assignee: *See*—
Mitchell, William F.
Disinger, Claude: *See*—
Ulrich, Frederick, and Disinger.
Disinger, Claude, South Plainfield, and F. Ulrich, Jersey City, assignors to Conmar Products Corporation, Newark, N. J. Automatic lock slider for slide fasteners. 2,521,453, Sept. 5.
Disken, Martin B., Brooklyn, N. Y. Snap coupled index card retainer for telephones. 2,512,457, June 20.
Disney, Bertrand A., Wanamaker, and H. S. Plummer, Indianapolis, Ind.; said Plummer assignor to said Disney. Motorcycle hand support. 2,519,027, Aug. 15.
Dispenso Valve Corporation, assignee: *See*—
Bowen, Leslie G.
Display Lighting Incorporated, assignee: *See*—
Price, Edison A.
Disposable Bottle Corporation, assignee: *See*—
Allen, Adda M.
Dissel, Theodore A., Hartford, and I. L. Newell, Wethersfield, assignors to United Aircraft Corporation, East Hartford, Conn. Ski lacquer. 2,494,531, Jan. 17.
Disston, Henry, and Sons, Inc., assignee: *See*—
Stevens, Joe O., and Melvin.
Thayer, Joseph T., Jr.
Distad, Merril F.: *See*—
Page, Robert M., Distad, and Blake.
Di Stefano, Albert, Philadelphia, Pa. Waste spray collector. 2,514,748, July 11.
Disticraft, Inc., assignee: *See*—
Kraft, Clarence W.
Distillers Company, Limited, The, assignee: *See*—
Bewley, Thomas, and Keeble.
Bramwyche, Peter L., Mugdan, and Stanley.
Coppock, Philip D.
Craven, Ernest C., Harbard, and Tuerck.
Elce, Alec, Stanley, and Tuerck.
Faulkner, Donald, and Salt.
Galitzenstein, Eugen G., Salt, Stanley, and Weir.
Hall, Reginald H., and Tuerck.
Howlett, John, and Wood.
Philip, Thomas B.
Disto Corporation, assignee: *See*—
Trainor, Foster J.
Ditchfield, Frank, assignor to The Youngstown Steel Door Company, Cleveland, Ohio. Lift mechanism for sliding doors. 2,511,570, June 13.
Ditmore, Lloyd C.: *See*—
Bly, Jewell L., and Ditmore.
Di Toro, Michael J., Brooklyn, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill. Time-delay network. 2,513,921, July 4.
Di Toro, Michael J., Brooklyn, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill. Multiple-reflecting time-delay system. 2,522,706, Sept. 19.
Ditter, Francis J., Minneapolis, Minn. Aircraft ski with adaptable mounting bushing. 2,522,350, Sept. 12.
Ditter, Francis J., Minneapolis, Minn. Aircraft ski. 2,532,610, Dec. 5.
Ditter, Francis J., Minneapolis, Minn. Aircraft ski. 2,532,611, Dec. 5.
Dittmar, Harry R.: *See*—
Larson, Alfred T., Loder, and Dittmar.
Dittmer, Joseph C., St. Albans, assignor to National Lead Company, New York, N. Y. Electrolytic refining of lead or lead alloys containing bismuth. 2,507,096, May 9.
Ditto, Incorporated, assignee: *See*—
Bergsten, Charles A., and Jones.
Camphouse, John J.
Genz, Herman A.
Gullixson, Harold R.
Ditto, Peter J.: *See*—
Bleeker, Edward F., and Ditto.
Dittrich, George M., Trenton, N. J. Collapsible outboard motorboat. 2,504,256, Apr. 18.
Ditty, Allan V., Grosse Pointe, Mich., assignor to A. J. Bradford. Moistening device for duplicating machines. 2,534,422, Dec. 19.
Ditty, Allan V., Grosse Pointe, Mich., assignor, by mesne assignments, to A. J. Bradford, Chicago, Ill. Foldable frame for screens. 2,534,960, Dec. 19.
Diuk, Stanley, assignor to Tru-Mark Mfg., Inc., Canton, Ohio. Stamp forming apparatus. 2,529,543, Nov. 14.
Diversey Corporation, The, assignee: *See*—
Rich, Hyman R.
Diversified Designing & Machine Products Corporation, assignee: *See*—
Mellert, Allen J.
Divine Brothers Company, assignee: *See*—
Blair, James D., and Hendey.
Divis, George F., Algonquin, Ill. Paintbrush holder. 2,521,049, Sept. 5.
Dix, Edgar H., Jr., Oakmont, assignor to Aluminum Company of America, Pittsburgh, Pa. Aluminum alloy fastening element. 2,501,440, Mar. 21.
Dixie Canner Company, assignee: *See*—
Rowe, Oliver R., King, and Stolp.
Dixie Cup Company, assignee: *See*—
Barbieri, Cesare.
Carew, Herman.
Carew, Herman, and Mack.
Mack, Wayne M.
Dixie Machinery Manufacturing Company, assignee: *See*—
Bindner, Charles M.
Dixie Mercerizing Company, assignee: *See*—
Luther, William F.
Dixon, Augustus E.: *See*—
Melcher, John, and Dixon.
Dixon, Charles A., Oklahoma City, Okla. Permanent hair-waving mechanism. 2,519,639, Aug. 22.
Dixon, Charles H., assignor to Ex-Cello-O Corporation, Detroit, Mich. Article delivery mechanism. 2,529,600, Nov. 14.
Dixon, Edward B., San Pablo, Calif. Dog feeding device. 2,500,243, Mar. 14.
Dixon, Elizabeth E., Madison, Wis. Locking closure. 2,524,430, Oct. 3.
Dixon, Frank T., Altoona, Pa. Manhole lid clamp. 2,535,275, Dec. 26.
Dixon, James K., Riverside, Conn., A. A. Miller, Madison, Wis., and J. F. Bruesch, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Isomeric polychloropyrazines and preparation thereof. 2,524,431, Oct. 3.
Dixon, James K., Riverside, and R. L. Morgan, Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Emulsions. 2,500,122, Mar. 7.
Dixon, Joseph, Crucible Company, assignee: *See*—
Ake, John E., and Miller.
Dixon, Paul H., Wenham, and D. W. Hannable, Beverly, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Drive mechanism. 2,512,738, June 27.
Dixon, Ramon V., assignor to General Motors Corporation, Detroit, Mich. Illuminated sign with edge-illuminated letters. 2,517,095, Aug. 1.
Dixon, William B., Houston, Tex. Packer head concrete pipe machine. 2,530,687, Nov. 21.
Dixon, Willis E., Stronghurst, Ill. Animal catcher and holder. 2,533,230, Dec. 12.
Djerassi, Carl, Chatham, and C. R. Scholz, assignors to Ciba Pharmaceutical Products, Incorporated, Summit, N. J. Aralkoxyalkylimidazolines. 2,516,108, July 25.
Djerassi, Carl, Morristown, and C. R. Scholz, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J. Phenoxyacetamidines. 2,517,468, Aug. 1.
Dlugas, Walter G., Huntington Park, Calif. Toothpick dispenser. 2,500,529, Mar. 14.
D'Mohowski, John: *See*—
Teerlink, James, D'Mohowski, and Pearson.
Doak Aircraft Co., Inc., assignee: *See*—
Doak, Edmond R., and Grace.
Doak, Edmond R., and N. E. Grace, Los Angeles, assignors to Doak Aircraft Co., Inc., Torrance, Calif. Toy automobile. 2,501,035, Mar. 21.
Doak, John B., Silver Spring, Md., assignor to the United States of America as represented by the Secretary of the Navy. Control-transfer circuit. 2,521,904, Sept. 12.
Doak, Kenneth W.: *See*—
Lewis, Frederick M., and Doak.
Doak, Robert A., Schenectady, N. Y., assignor to General Electric Company. Temperature sensitive circuit breaker. 2,531,115, Nov. 21.

DoAll Company, The, assignee: *See*—
McLear, Charles.
Doane, Charles S., Sr., assignee: *See*—
Biegal, Frank A.
Doane, Leroy C., Essex, Conn. Foraminous sheet material and luminaire made therefrom. 2,506,951, May 9.
Doba, Stephen, Jr., Whippany, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave translating device. 2,521,116, Sept. 5.
Dobbins, David T., Los Angeles, Calif. Aircraft propulsion mechanism. 2,514,749, July 11.
Dobbins, John P.: *See*—
Bisch, Paul E., Dobbins, and Elden.
Dobbs, Frank G. and S. H., New York, N. Y. Closure. 2,514,750, July 11.
Dobbs, Robert C., New York, N. Y. Bookshelf for auto steering wheels. 2,518,127, Aug. 8.
Dobbs, Stephan H.: *See*—
Dobbs, Frank G. and S. H.
Dobbs, William D., Palestine, Tex., assignor to Tide Water Associated Oil Company, Tulsa, Okla. Well activator. 2,533,563, Dec. 12.
Dobell, Curzon, New York, N. Y., assignor to Preload Enterprises, Inc. Prefabricating parts for concrete structures. 2,516,453, July 25.
Dobkin, William J., Jackson Heights, assignor to M. B. Feinson, New York, N. Y. Combined lavatory shelf and dispenser. 2,517,988, Aug. 8.
Dobkin, William J., New York, N. Y., assignor to The Nik-O-Lok Company, Indianapolis, Ind. Folding shelf. 2,494,798, Jan. 17.
Doblin, Joseph W., New York, N. Y. Broiler. 2,501,381, Mar. 21.
Dobrin, Edward P., assignor to Weksler Thermometer Corporation, New York, N. Y. Adjustable-angle thermometer. 2,524,894, Oct. 10.
Dobrin, Leo, New York, N. Y. Insulated closure and equipment therefor. 2,514,316, July 4.
Dobrý, Jaroslav, and A. Möstl, Kladno, assignors to Spojene Ocelarny, Narodni Podnik, Prague, Czechoslovakia. Hardness testing device. 2,520,387, Aug. 29.
Dobson & Barlow Limited, assignee: *See*—
Pimley, Gordon H.
Dobson, Don R.: *See*—
Dobson, Leon E. and D. R.
Dobson, Franklin A., Royal Oak, Mich. Sanding device. 2,517,548, Aug. 8.
Dobson, Leon E. and D. R., Holden, Utah. Motor vehicle tire pressure indicator. 2,526,124, Oct. 17.
Docken, Melford H., Northfield, Minn. Wire fence adjusting device. 2,527,877, Oct. 31.
Dockendorff, Victor A., Chicago, Ill., assignor to Motorola, Inc. Indicating and carrying means for portable radio receiving sets. 2,502,832, Apr. 4.
Dockerty, Stuart M., Pawtucket, R. I., D. E. Gray, and J. W. Romig, Corning, N. Y., and W. R. Wisner, Pawtucket, R. I., assignors to Corning Glass Works, Corning, N. Y. Glass severing apparatus. 2,521,352, Sept. 5.
Dockray, Willie L., and R. H. Bruesewitz, Eau Claire, Wis. Repair unit for radio sets. 2,530,233, Nov. 14.
Dod, Cedric, Giffnock, Scotland. Oxygen jet metal-cutting nozzle. 2,517,641, Aug. 8.
Dod, Cedric, Giffnock, Scotland. Oxygen jet metal cutting nozzle. 2,517,642, Aug. 8.
Dodd, Bertha A., Hot Springs, Ark. Cushion or receptacle. 2,521,780, Sept. 12.
Dodd, Sidney R., West Caldwell, N. J., and R. F. Ayres, assignors to Oakite Products, Inc., New York, N. Y. Phosphate coating of metals. 2,502,441, Apr. 4.
Dodds, Kay, Middletown, Ohio. Yard goods tensioning device. 2,513,851, July 4.
Dodds, Maxwell P.: *See*—
Lawson, Robert H., and Dodds.
Dodds, Robert B., Woodbridge, Conn., assignor to The Safety Car Heating and Lighting Company, Inc. Scourer-aspirator and method. 2,529,679, Nov. 14.
Dodenhoff, W. D., Company, assignee: *See*—
Leineweber, William F., Jr.
Dodenhoff, William D., assignee: *See*—
Boyd, Joseph C.
Dodenhoff, William D., Greenville, S. C. Bumper construction for loom pickers. 2,532,543, Dec. 5.
Dodge, Adiel Y., Rockford, Ill. Coupling. 2,493,232, Jan. 3.
Dodge, Adiel Y., Rockford, Ill. Speed responsive clutch mechanism. 2,496,201, Jan. 31.
Dodge, Adiel Y., Rockford, Ill. Transversely engaging positive clutch. 2,498,399, Feb. 21.
Dodge, Adiel Y., Rockford, Ill. Compound master cylinder. 2,507,663, May 16.
Dodge, Adiel Y., Rockford, Ill. Brake. 2,508,105, May 16.
Dodge, Adiel Y., Rockford, Ill. Torque transmitting coupling. 2,514,227, July 4.
Dodge, Adiel Y., Rockford, Ill. Coupling. 2,514,228, July 4.
Dodge, Adiel Y., Rockford, Ill. Friction brake for vehicles. 2,518,761, Aug. 15.
Dodge, Adiel Y., Rockford, Ill. Air treating apparatus. 2,519,028, Aug. 15.
Dodge, Adiel Y., Rockford, Ill. Electromechanically controlled planetary transmission. 2,532,897, Dec. 5.
Dodge, Arthur B., Lancaster, Pa. Portable cot or baby crib. 2,525,168, Oct. 10.
Dodge, Arthur B., Lancaster, Pa. Cork hub. 2,525,169, Oct. 10.
Dodge, Frederick G., Cumberland, Md., assignor to Celanese Corporation of America. Puckering a thermoplastic fabric by heating one side thereof. 2,524,895, Oct. 10.
Dodge, Howard M., Wabash, Ind., assignor to The General Tire & Rubber Company, Akron, Ohio. Vibration absorbing support. 2,502,313, Mar. 28.
Dodge Manufacturing Corporation, assignee: *See*—
Fast, Marion L.
Firth, David.
Dodge, Milton L., Newburyport, Mass. Shaping and setting strap shoes. 2,517,293, Aug. 1.
Dodge, Ronald D., Poughkeepsie, assignor to International Business Machines Corporation, New York, N. Y. Power mechanism for typewriting machines. 2,506,444, May 2.
Dodge, Ronald D., Poughkeepsie, assignor to International Business Machines Corporation, New York, N. Y. Case shift mechanism for typewriting machines. 2,517,989, Aug. 8.
Dodge, Ronald D., and J. L. Petz, Poughkeepsie, assignors to International Business Machines Corporation, New York, N. Y. Tape feeding mechanism for typewriting machines. 2,531,875, Nov. 28.
Dodge, Wesley, Salinas, Calif. Vegetable packing machinery. 2,513,459, July 4.
Dodin, Lucien J. E. A., Canet-Plage, France. Reflex focus determining view finder for cameras. 2,526,204, Oct. 17.
Dodington, Sven H. M., Nutley, and J. A. Herbst, Pines Lake, N. J., assignors to Federal Telephone and Radio Corporation, New York, N. Y. Oscillator control system. 2,521,700, Sept. 12.
Dodington, Sven H. M., and G. R. Clark, Nutley, N. J., assignors to Federal Telecommunications Labs. Inc., New York, N. Y. Radio distance indicator. 2,524,779, Oct. 10.
Dodson, Michael A., Long Beach, Calif. Rotary photoprint washer. 2,499,468, Mar. 7.
Dodson, Richard W., Pasadena, Calif., and W. H. Beamer, Youngstown, Ohio, assignors to the United States of America as represented by the United States Atomic Energy Commission. Method and apparatus for measuring alpha particle radiation. 2,517,469, Aug. 1.
Dodson, Walter L., and J. E. Wilson, Brady, Tex., said Dodson assignor to said Wilson. Terracing machine. 2,498,156, Feb. 21.
Dodwell, John M., Shawbridge, Quebec, Canada. Band type clutch. 2,518,453, Aug. 15.
Dodwell, John M., Shawbridge, Quebec, Canada. Disengageable belt drive. 2,522,503, Sept. 19.
Doe, Hans H., Milwaukee, Wis. Ventilating device. 2,528,301, Oct. 31.
Doebeli, Oscar, Zurich, Switzerland. Arrangement for absorption cooling systems. 2,521,781, Sept. 12.
Doebert, Martin H., Buffalo, N. Y. Tool for applying traction devices on wheels. 2,503,473, Apr. 11.
Doeg, Ralph W., assignor to Nash-Kelvinator Corporation, Detroit, Mich. Counterbalancing lid support. 2,499,907, Mar. 7.
Doeg, Ralph W., assignor to Nash-Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 2,500,669, Mar. 14.
Doehler, Oskar, W. Kleen, and H. Huber, Paris, France, assignors to Compagnie Generale de Telegraphie Sans Fil. Ultra short wave transmitting tube. 2,531,972, Nov. 28.
Doelling, George L.: *See*—
Adams, Kenneth H., and Doelling.
Doelling, George L., assignor to Wagner Electric Corporation, St. Louis, Mo. Brake fluid. 2,507,401, May 9.
Doelling, George L., St. Louis, and K. H. Adams, Fenton, assignors to Mississippi Valley Research Laboratories, Inc., St. Louis, Mo. Ethers. 2,527,506, Oct. 24.
Doelman, Robert L.: *See*—
Dietert, Harry W., and Doelman.
Doelz, Melvin L.: *See*—
Colander, Roy, and Doelz.
Doelz, Melvin L., Minneapolis, Minn., assignor to Collins Radio Company, Cedar Rapids, Iowa. Level-stabilized modulated carrier amplifier. 2,531,935, Nov. 28.
Doenges, John H., Clayton, Mo. Massaging device. 2,512,093, June 20.
Doepke, Edward R., Walla Walla, Wash. Valve extension for inner tubes. 2,508,503, May 23.
Doepke, Frederick C., Normandy, assignor to R. V. Flesh, Clayton, Mo. Label and record set. 2,506,015, May 2.
Doering, William V.: *See*—
Woodward, Robert B., and Doering.
Doerr, Charles L., Sr., Metairie, La. Cabinet having a removable false floor. 2,521,570, Sept. 5.
Doerr, Raymond S., assignor to H. B. Sherman Manufacturing Company, Battle Creek, Mich. Hose coupling mounting machine. 2,508,377, May 23.
Doerschler, Edgar E., Takoma Park, Md. Walker. 2,526,205, Oct. 17.
Dofsen, Floyd J., Millbrae, and E. L. Danielson, Oakland, Calif. Bonding thermoplastic materials. 2,492,973, Jan. 3.
Dofsen, Floyd J., Millbrae, and E. L. Danielson, Oakland, Calif. Severing sprues from a molded part and simultaneously molding a second plastic to the part. 2,510,091, June 6.

Doggett, Cecil M., San Antonio, and J. E. Doggett, Houston, Tex. Refuse can container. 2,496,522, Feb. 7.
Doggett, David L.: *See*—
Schier, Wallace, and Doggett.
Doggett, John E.: *See*—
Doggett, Cecil M. and J. E.
Doggett, John R.: *See*—
Davidson, Edward E., and Doggett.
Doherty, Edward E.: *See*—
Winheim, Adolph H., and Doherty.
Doherty, Harry G., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Polymerization of alpha olefins. 2,500,244, Mar. 14.
Doherty, Harry G., and A. N. Sachanen, Woodbury, and F. M. Seger, Pitman, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Synthetic lubricants. 2,500,159, Mar. 14.
Doherty, Harry G., and A. N. Sachanen, Woodbury, and F. M. Seger, Pitman, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Synthetic lubricants. 2,500,165, Mar. 14.
Doherty, Henry A., assignor to Machine Design Associates, Inc., Worcester, Mass. Apparatus for recording and for indicating machine stoppage due to function failures. 2,527,405, Oct. 24.
Doherty, Henry C., Amorita, Okla. Bale carrier. 2,520,458, Aug. 29.
Doherty, Mae F., Brooklyn, N. Y. Opening doors of locked enclosures from within. 2,525,019, Oct. 10.
Doherty, William H., Elmhurst, N. Y. Shoe last. 2,507,505, May 16.
Doherty, William H., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Three coordinate indicating system for radar apparatus. 2,515,339, July 18.
Dohl, Robert A., and E. G. Ziegelhoefer, Rochester, N. Y., assignors to Commercial Controls Corporation. Speed controlling mechanism for mail treating machines. 2,519,894, Aug. 22.
Döhler, Oskar: *See*—
Kleen, Werner, Döhler, and Huber.
Dohm, Arthur J., St. Paul, assignor, by mesne assignments, to The Northern Pump Company, Minneapolis, Minn. Locking apparatus. 2,520,459, Aug. 29.
Dohman, Quincy E.: *See*—
Brunt, Harold, and Quincy.
Dohn, Charles W., Glendale, N. Y. Davit. 2,527,060, Oct. 24.
Doiron, Jean, Cleveland, Ohio. Shifting mechanism for belt drives. 2,525,257, Oct. 10.
Dolan, Alpheus J., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Generator. 2,525,404, Oct. 10.
Dolan, Francis J.: *See*—
Cataldo, John B., and Dolan.
Dolan, Joseph W., assignor by mesne assignments, to The Third National Bank and Trust Company of Dayton, Ohio, Dayton, Ohio. Riveting press for commutator assemblies. 2,516,681, July 25.
Dolan, Thomas T., Chicago, Ill. Pencil guide. 2,498,105, Feb. 21.
Doland, James P., Springfield, Mass. Magnetic connection. 2,526,206, Oct. 17.
Dolas, Michael, New York, N. Y. Artist's maulstick. 2,496,276, Feb. 7.
Dolas, Michael, New York, N. Y. Artist's equipment. 2,503,807, Apr. 11.
Dolberg, Charles E., assignor by mesne assignments, to Philco Corporation, Philadelphia, Pa. Twin-T network and selective amplifier filter. 2,495,511, Jan. 24.
Dold, William C., Chicago, Ill. Infusion apparatus. 2,522,102, Sept. 12.
Dole, John L., Wayne, assignor to The Dole Valve Company, Chicago, Ill. Drink dispensing device. 2,519,235, Aug. 15.
Dole Refrigerating Company, assignee: *See*—
Kleist, Herman W.
Dole Valve Company, The, assignee: *See*—
Bauerlein, Carl C.
Bauerlein, Carl C., and Lund.
Brown, Clyde A.
Chace, Thomas B.
Dole, John L.
Halenza, Donald H.
Lund, James K.
Mikeska, Peter L.
Sanborn, Frank E.
Dole, William E., Jr., assignor of one-fourth to D. Delaney, one-fourth to R. Kearn, and one-fourth to M. Edwards, Oak Hill, Ohio. Vehicle headlight control system. 2,507,436, May 9.
Dolejs, Joseph, Antigo, Wis. Fishing bobber. 2,535,907, Dec. 26.
Dolgorukov, Gregory S., Detroit, Mich. Drawing instrument for lettering and dimensioning. 2,512,852. June 27.
D'Olier, George, Devon, Conn., assignor to Raybestos-Manhattan, Inc., Passaic, N. J. Production of asbestos-rubber compositions. 2,534,814, Dec. 19.
Doll, Edouard, Paris, France. Thread controlling and defect detecting device. 2,522,751, Sept. 19.
Doll, Henri-Georges, Houston, Tex., assignor to Electro-Mechanical Research Incorporated, Ridgefield, Conn. Electrooptical function synthesizer. 2,497,042, Feb. 7.
Doll, Henri-Georges, assignor to Schlumberger Well Surveying Corporation, Houston, Tex. Vibration insensitive galvanometer. 2,523,866, Sept. 26.
Dolliver, Morris A.: *See*—
Lott, William A., Berstein, and Dolliver.
Dolliver, Morris A., Stelton, and C. Glaser, Raritan, N. J., assignors to E. R. Squibb & Sons, New York, N. Y. Fractionation of mixtures of penicillins containing penicillin-K. 2,509,055, May 23.
Dollman, Stephen C.: *See*—
Struyk, Clifford, and Dollman.
Dolmage, John P., Iowa City, Iowa. Cylinder ridge grinder. 2,528,043, Oct. 31.
Dolphin Industries Developments Limited, assignee: *See*—
Dolphin, John R. V.
Dolphin, John R. V., assignor to Corgi Motor Cycle Company Limited, Welwyn, and Dolphin Industrial Developments Limited, Reading, England. Bicycle. 2,525,877, Oct. 17.
Dolt, Maurice L., Plainfield, N. J., and R. E. Sayre, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Vulcanization of elastoprenes using as an accelerator an amine salt of 2,6-dimercaptobenzo (1,2,4,5) bisthiazole. 2,518,670, Aug. 15.
Domack, Stanley A., J. J. Rutkowski, and D. L. Sissler, assignors to Keenline Equipment Corporation, Oshkosh, Wis. Beverage mixing machine. 2,501,441, Mar. 21.
Domar Products Inc., assignee: *See*—
Ehlert, William C., and Schneider.
Dombrow, Bernard A., New York, N. Y., assignor to Nopco Chemical Company, Harrison, N. J. Catalytic amine-ketone condensation. 2,533,723, Dec. 12.
Dome, Robert B., Bridgeport, Conn., assignor to General Electric Company. Intercarrier television receiver circuit. 2,504,662, Apr. 18.
Dome, Robert B., Bridgeport, Conn., assignor to General Electric Company. Synchronizing system. 2,509,729, May 30.
Dome, Robert B., Bridgeport, Conn., assignor to General Electric Company. Synchronizing system. 2,509,730, May 30.
Dome, Robert B., Bridgeport, Conn., assignor to General Electric Company. Selective system. 2,519,029, Aug. 15.
Dome, Robert B., Bridgeport, Conn., assignor to General Electric Company. Mixer circuit. 2,519,030, Aug. 15.
Dome, Robert B., Bridgeport, Conn., assignor to General Electric Company. Television synchronizing system. 2,521,504, Sept. 5.
Dome, Robert B., Bridgeport, Conn., assignor to General Electric Company. Wave conversion system for transmitters and receivers. 2,534,111, Dec. 12.
Dome, Robert B., Geddes Township, Onondaga County, N. Y., assignor to General Electric Company. Electronic musical instrument. 2,497,661, Feb. 14.
Dome, Robert B., Geddes Township, Onondaga County, N. Y., assignor to General Electric Company. Automatic frequency control for television receivers. 2,504,663, Apr. 18.
Dome, Robert B., Geddes Township, N. Y., assignor to General Electric Company. Power supply. 2,508,995, May 23.
Dome, Robert B., Geddes Township, Onondaga County, N. Y., assignor to General Electric Company. Deflection limiter. 2,510,623, June 6.
Dome, Robert B., Geddes Township, Onondaga County, N. Y., assignor to General Electric Company. Visual voltage indicator. 2,528,214, Oct. 31.
Domenach, Louis, and L. Macardier, Lyons, assignors to Compagnie Generale D'Electricite, Paris, France. Thin paper insulated electric cable. 2,532,152, Nov. 28.
Domenk, Paul, assignor to Boyle-Midway Inc., Chicago, Ill. Mop making machine. 2,500,667, Mar. 14.
Domestic Thermostat Company, assignee: *See*—
Jenkins, Wayne E.
Jenkins, Wayne E., and Thiele.
Dominguez, C. E., assignee: *See*—
Pulese, Ernesto.
Dominguez, Rafael, assignee: *See*—
Hrabal, Eduard.
Dominion Corset Company Limited, assignee: *See*—
Amyot, Pierre.
Desrochers, Fernand.
Godbout, Maurice.
Dominion Engineering Works Limited, assignee: *See*—
Malkin, Bernard A.
Dominion Tar & Chemical Company Limited, assignee: *See*—
Kemp, Woodrow E.
Sturrock, Murray G., and Lawe.
Dominion Textile Company Limited, assignee: *See*—
Carrier, Joseph A.
Dominy, Charles F., assignee: *See*—
Remonte, John.
Domler, Charles A., Johnston, R. I., assignor to Bulova Watch Company, Inc., New York, N. Y. Watch band terminal catch 2,525,066, Oct. 10.
Don Manufacturing Company, assignee: *See*—
Copping, Bruce G.
Huszagh, Ralph D.

Donahey, John W., Hudson, Ohio. Flag and flagstaff assembly with air deflector. 2,527,357, Oct. 24.

Donahoe, Donald J. and P. J., Fort Dodge, Iowa. Heatable water tank. 2,532,999, Dec. 5.

Donahoe, Paul J.: *See*—
Donahoe, Donald J. and P. J.

Donahue, Helen, Richland, Wash. Diaper. 2,494,933, Jan. 17.

Donahue, James P., Oak Park, Ill. Toy pin wheel. 2,510,336, June 6.

Donahue, Joseph, Shamokin, Pa. Wrench having manually closed spring-opened pivoted jaws. 2,493,949, Jan. 10.

Donahue, William H., assignee: *See*—
Rice, Percy F.

Donahue, William J., Jr.: *See*—
Grauman, Raymond L., and Donahue.

Donahue, William T., Chicago, Ill. Grained laminated structure. 2,496,122, Jan. 31.

Donal, John S., Jr., Princeton, N. J., assignor to Radio Corporation of America. Amplitude modulation. 2,502,077, Mar. 28.

Donal, John S., Jr., Princeton, N. J., B. B. Brown, Lancaster, Pa., and C. L. Cuccia, Princeton, N. J., assignors to Radio Corporation of America. Tunable cavity resonator magnetron. 2,509,265, May 30.

Donal, John S., Jr., R. R. Bush, and C. L. Cuccia, Princeton, N. J., assignors to Radio Corporation of America. Frequency-modulated magnetron microwave generator. 2,534,503, Dec. 19.

Donaldson, Jesse C., Long Beach, Calif. Rotatable airfoil kite. 2,501,442, Mar. 21.

Donaldson, William R., trustee, assignee, administrator: *See*—
Monroe, Thomas E.

Donalson, Joe W., and K. B. Oberhansly, Panama City, Fla., said Oberhansly assignor to F. B. Hanna, Logansport, Ind. Boat trailer. 2,529,925, Nov. 14.

Dondero, Joseph: *See*—
Ferrario, John J., and Dondero.

Doney, William A., Portland, Oreg. Mounting stud for junction boxes. 2,520,675, Aug. 29.

Donia, Robert A.: *See*—
Shotton, James A., and Donia.

Doniger, Sundel, New York, N. Y. Tool kit. 2,522,213, Sept. 12.

Donin, Beatrice, New York, N. Y. Lady's blouse or the like. 2,502,314, Mar. 28.

Donker, Pieter A., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Anode and grid bias voltage system for class B or C amplifiers. 2,527,406, Oct. 24.

Donkin, William F., Cleveland Heights, and C. F. Oestermeyer, Shaker Heights, assignors to Willard Storage Battery Company, Cleveland, Ohio. Battery nonspill vent plug. 2,533,880, Dec. 12.

Donkle, Lucius B., Jr., Ithaca, N. Y. Heating and cooling cover. 2,504,308, Apr. 18.

Donley, Hugh L., and C. Wentworth, Princeton, N. J., assignors to Radio Corporation of America. Capacitor for frequency modulation. 2,526,207, Oct. 17.

Donnald, Robert H.: *See*—
Russell, Robert G., and Donnald.

Donnallan, Martin R., Oildale, Calif. Plunger compressor for pistol magazines. 2,514,277, July 4.

Donnell, Charlie, Lovelock, Nev. Bucket type conveyer mechanism. 2,510,212, June 6.

Donnelley, Elliott, Lake Forest, Ill., assignor to Barr-Don Inc. Bicycle carrier rack. 2,512,267, June 20.

Donnelly, Francis J., Forest Hills West, N. Y. Monosalicylate of 2 ethyl hexandiol. 2,523,867, Sept. 26.

Donnelly, Joseph A., Pittston, Pa. Automatic emergency mechanism. 2,506,709, May 9.

Donnelly, Thomas S., Detroit, assignor to Ambory Electric & Manufacturing Company, Hazel Park, Mich. Drain cleaner. 2,500,404, Mar. 14.

Donner, Verne P., Palatine, Ill., assignor to Curtiss-Wright Corporation. Hydraulic system and valve therefor. 2,516,508, July 25.

Donning, Henry B., New Rochelle, N. Y. Sheet cutting apparatus for printing presses. 2,506,445, May 2.

Donofrio, Alfonso M., Toledo, Ohio. Manufacturing capsules. 2,497,212, Feb. 14.

Donofrio, Alfonso M., Toledo, Ohio. Encapsulating. 2,513,852, July 4.

Donoghue, Harold, Brooklyn, N. Y. Rain operated automatic window closer. 2,531,116, Nov. 21.

Donohoe, John J., Bellrose Manor, and E. A. Glasser, Kew Gardens, N. Y. Horizontally swingable stool. 2,533,363, Dec. 12.

Donohue, Bernard J., Jr., Stonehurst, Pa. Coupling for armored cable. 2,530,381, Nov. 21.

Donohue, Frank L.: *See*—
Schneider, Gerhard G., and Donohue.

Donohue, James P., Westfield, N. J. Dust arrester. 2,507,335, May 9.

Donohue, John F., Philadelphia, Pa. Adjustable centering gauge. 2,535,051, Dec. 26.

Donop, August W., assignor to Ajax-Consolidated Company, Chicago, Ill. Venetian blind structure. 2,523,003, Sept. 19.

Donovan, Charles, Grand Rapids, Mich. Deodorizing device. 2,504,309, Apr. 18.

Donovan, Jack T.: *See*—
Newman, Louis L., and Donovan.

Donovan, Joseph H., Las Vegas, Nev. Oven rack. 2,520,133, Aug. 29.

Donovan, Thomas S.: *See*—
Bean, Frederic R., and Donovan.

Donovick, Richard, New York, N. Y., W. L. Koerber, Kingston, and G. W. Rake, Milltown, N. J., assignors to E. R. Squibb & Sons, New York, N. Y. Producing streptomycin. 2,516,682, July 25.

Donow, Morris E., New York, N. Y. Calendar. 2,507,697, May 16.

Dooley, George W., assignor to The Warner Steel Products Co., Inc., Ottawa, Kans. Resilient rotary earth tiller. 2,503,474, Apr. 11.

Dooley, John F., Burbank, Calif. Retractive pilot for circle cutters. 2,505,236, Apr. 25.

Dooley, Leslie H., and H. H. Parris, Athens, Tenn. Tractor and implement coupling for soil preparing machinery. 2,515,637, July 18.

Dooley, William P., Dunbar, W. Va., assignor to American Viscose Corporation, Wilmington, Del. Production of sodium hydroxide. 2,518,530, Aug. 15.

Doolin, Earl B., Dallas, Tex. Preventing rancidity of cooking fats. 2,514,479, July 11.

Doolin, Earl B., assignor to Freto Company, Dallas, Tex. Cooking apparatus. 2,525,213, Oct. 10.

Doolittle, Donald B., Earleville, Md., assignor to All American Airways, Inc. Arresting gear with ribbon type energy absorber. 2,501,997, Mar. 28.

Doolittle, Howard A., East Haven, Conn. Frame with hold-down clips and release pins for placing elastic bands around container covers. 2,514,038, July 4.

Doolittle, Howard C., assignor to The Stanley Works, New Britain, Conn. Box strapping tool. 2,524,654, Oct. 3.

Doolittle, Howard D., Stamford, assignor to Machlett Laboratories Incorporated, Springdale, Conn. Filament structure. 2,527,799, Oct. 31.

Doolittle, James C., Belle Glade, assignor to American Machinery Corporation, Orlando, Fla. Vegetable cleaning machine. 2,504,946, Apr. 18.

Dopp, Carl A., Park Ridge, and E. C. Petrie, Elmhurst, assignors to Crane Co., Chicago, Ill. Baffle construction. 2,524,009, Sept. 26.

Doppelheuer, William A., Connellsville, Pa. Combined camp stove and chair. 2,498,984, Feb. 28.

Dopps, Paul E., assignee: *See*—
Arnett, George A.

Dopyera, Louis, Jackson, Wyo., assignor to Valco Manufacturing Company, Chicago, Ill. Stringed musical instrument. 2,497,116, Feb. 14.

Doran, James A., Providence, R. I. Device for holding gloves and suspending a handbag from a support. 2,516,760, July 25.

Doran, Thomas J., Cleveland Heights, assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Timing device for folding machines. 2,516,454, July 25.

Doras, Charles, Le Peage, assignor to Societe "Rhodiaceta," Paris, France. Manufacture of cellulose esters. 2,516,859, Aug. 1.

Doras, Charles, Dijon, assignor to Societe Rhodiaceta, Paris, France. Manufacture of cellulose esters. 2,517,096, Aug. 1.

Doras, Charles, Dijon, assignor to Societe Rhodiaceta, Paris, France. Manufacture of cellulose esters. 2,517,097, Aug. 1.

Dorazio, Nick, Baltimore, Md. Golf bag. 2,507,249, May 9.

Dorbec, Lucien, assignor to Societe Anonyme de Telecommunications, Paris, France. Harmonics generator. 2,495,317, Jan. 24.

Dore, Evelyn, New York, N. Y. Lamp. 2,499,469, Mar. 7.

Doré, Roland, Quebec, Quebec, Canada. Hoist for dump truck bodies. 2,509,911, May 30.

Doremus, Howard I., and S. B. Hurwich, assignors to Sponge-Aire Seat Company, Incorporated, Buffalo, N. Y. Fabric securing means for upholstered seats. 2,501,934, Mar. 28.

Doremus-Passaic Realty Corporation, assignee: *See*—
Forgie, Andrew R.

Dorey, George B., Westmount, Quebec, Canada, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Construction of outlet frames for hoppers. 2,493,393, Jan. 3.

Dorey, George B., Westmount, Quebec, Canada, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Dump door latching means. 2,502,833, Apr. 4.

Dorfan, Morton I., assignor to Koppers Company, Inc., Pittsburgh, Pa. Apparatus for coating sheet metal articles. 2,493,754, Jan. 10.

Dorfan, Morton I., Pittsburg, Pa. Bubble tower. 2,495,512, Jan. 24.

Dorfan, Morton I., Pittsburgh, Pa., assignor to American Wheelabrator & Equipment Corporation, Mishawaka, Ind. Suction hood. 2,499,301, Feb. 28.

Dorff, Arlo, Dundalk, Md. Bath mat. 2,525,531, Oct. 10.

Dorgelo, Eduard G.: *See*—
Jonger, Johan L. H., and Dorgelo.
Verburg, Cornelis, Dorgelo, and Penning.
Zaayer, David, and Dorgelo.

Dorgelo, Eduard G., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Getter structure for electric discharge tubes. 2,493,659, Jan. 3.
Dorgelo, Eduard G., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Device for very high frequencies comprising a lead-through conductor carrying high-frequency energy. 2,530,603, Nov. 21.
Dorgelo, Eduard G., and H. J. Lemmens, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustees. Producing a gas-tight joint between a glass object and a metal object which have mutually different coefficients of expansion. 2,508,233, May 16.
Dorian, Gaston, assignee: *See*—
Szekely, Otto E.
D'Orio, Pat A., Oak Park, assignor to Belmont Radio Corporation, Chicago, Ill. Making electrical coils. 2,505,104, Apr. 25.
Doriot, Kenneth E.: *See*—
Breisch, Edgar W., and Doriot.
Doriot, Kenneth E., assignor to The Union Switch & Signal Company, Swissvale, Pa. Noise suppression means for communication receiving apparatus. 2,531,505, Nov. 28.
Dorman, Harley A., Detroit, Mich. Exhaust muffler including plural Venturi elements. 2,502,709, Apr. 4.
Dorman, James A., Elsie, Mich. Pipe chuck. 2,528,873, Nov. 7.
Dorman, Leonard M.: *See*—
Firing, Osborne, and Dorman.
Dormeyer Corporation, assignee: *See*—
Krause, Walter W.
Schwaneke, Fred C.
Dorn, Eugene W., Jr., and W. E. James, Indianapolis, Ind Foot steering apparatus. 2,507,894, May 16.
Dorn, Frank L.: *See*—
Hinz, Henry C., Jr., Schermerhorn, and Dorn.
Dorn, Roy L., Riverdale, Calif. Lathe control system. 2,502,078, Mar. 28.
Dorn, William E., Prairie View, assignor of one-half to W. F. Jonas, Antioch, Ill. Heating device. 2,509,138, May 23.
Dorner, John A., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Friction and positive clutch for tool drivers. 2,513,460, July 4.
Dornfeld, Edmund G., Barrington, N. J., assignor to Radio Corporation of America. Adjustable specimen support for electron-optical instruments. 2,499,019, Feb. 28.
Dornin, George A., Jr., Warren, Ohio. Ingot mold and stool. 2,514,850, July 11.
Dornte, Ralph W., Westfield, and J. F. McKay, Jr., Elizabeth, N. J., assignors to Standard Oil Development Company. Low temperature polymerization catalyst and using same. 2,516,683, July 25.
Dorough, George L., Niagara Falls, N. Y., assignor to E. I du Pont de Nemours & Company, Wilmington, Del. Esters of epoxy alcohols with propenoic compounds. 2,524,432, Oct. 3.
Dorr Company, The, assignee: *See*—
Fitch, Elliott B.
Graner, Frank L.
Jacobs, Ray T., and Fitch.
Jordan, David W.
Jukkola, Walfred W., and Roberts.
Lances, Leo E.
Lundberg, Harry E.
Rawlings, Franklin N.
Roberts, Elliott J.
Scott, Charles H.
Swenson, Walter R.
Thompson, Robert B., Munro, and Marriott.
White, Frank S.
Wilcox, Arnold L., Roberts, and Fitch.
Dorrance, Harold J., West Palm Beach, Fla. Foot massaging apparatus. 2,520,307, Aug. 29.
Dorrestijn, Jan: *See*—
Van Overbeek, Adrianus J. W. M., and Dorrestijn.
Dorrington, Neill E.: *See*—
Hartman, Carl H., Marsh, and Dorrington.
Dorsey, Dennis B., Chicago, Ill. Camera control. 2,527,800, Oct. 31.
Dorso, Eugene R.: *See*—
Plunkett, John A., and Dorso.
Dorst, Paul W., Cincinnati, assignor to Cincinnati Industries, Inc., Lockland, Ohio. Process of and apparatus for making longitudinally and laterally stretchable creped webs. 2,494,334, Jan. 10.
Dorst, Stanley O., assignor to Sprague Electric Company, North Adams, Mass. Electrically insulated conductor and producing same. 2,495,630, Jan. 24.
Dorst, Stanley O., assignor to Sprague Electric Company, North Adams, Mass. High-frequency resistor. 2,518,225, Aug. 8.
Dort, Russell L.: *See*—
Andrews, Norman F., and Dort.
Andrews, Norman F., Dort, Verger, Coultas, and Hill.
Dorton, John M., Bonner Springs, Kans. Folding chair. 2,529,726, Nov. 14.
Doschek, Antony, Crafton, Pa. Triboelectric metal identifier. 2,495,707, Jan. 31.
Doscher, Bernhard F., Berkeley, Calif. Cream separator. 2,523,561, Sept. 26.
Dosmann, Lucian P.: *See*—
Bodle, Virgil H., Blair and Dosmann.
Dosmar, Kurt J., New York, N. Y. Air ventilating device. 2,500,606, Mar. 14.
Doss, William R., and C. J. Hogue, Memphis, Tenn. Key holder. 2,514,940, July 11.
Dosser, Robert C., and A. E. Colby, assignors to The Dow Chemical Company, Midland, Mich. Herbicides. 2,515,198, July 18.
Dostal, Ferdinand A.: *See*—
Bernardi, Dominic J., and Dostal.
Dostal, Frank, Racine, Wis. Grass shears. 2,511,571, June 13.
Doten, William L.: *See*—
Ingle, Edward, Doten, and Cope.
Dotts, Walter M., Jr., Richmond, Va., and J. R. Morrison, Brunswick, Maine. Unidirectional flow valve. 2,498,985, Feb. 28.
Doty, Clifford B., assignor to Briggs Manufacturing Company, Detroit, Mich. Weather strip for vehicle doors. 2,498,851, Feb. 28.
Doty, Clifford B., assignor to Briggs Manufacturing Company, Detroit, Mich. Weather strip for vehicle doors. 2,498,852, Feb. 28.
Doub, Leonard, and W. H. Seegers, assignors to Parke, Davis & Company, Detroit, Mich. Neutralized oxidized cellulose products. 2,517,772, Aug. 8.
Double, Walter F.: *See*—
Armington, Raymond Q., and Double.
Double, Walter F., Wickliffe, assignor to The Euclid Road Machinery Co., Cleveland, Ohio. Double planetary drive axle. 2,529,330, Nov. 7.
Double, Walter F., Wickliffe, S. F. Armington, Willoughby, and R. Q. Armington, Shaker Heights, assignors to The Euclid Road Machinery Company, Cleveland, Ohio. Tandem axle construction. 2,510,172, June 6.
Doucette, Adrain R., assignor to The Union Switch & Signal Company, Swissvale, Pa. Assembly for communication apparatus. 2,515,638, July 18.
Doucette, Adrian R., Millvale, assignor to The Union Switch & Signal Company, Swissvale, Pa. Direct reading capacity meter. 2,494,934, Jan. 17.
Dougert, Peter C., assignor to Infra Appliances Corporation, Wilkes-Barre, Pa. Supporting stand. 2,502,510, Apr. 4.
Doughboy Industries, Inc., assignee: *See*—
Humphrey, James M.
Dougherty, Harry F., York, Pa., assignor to American Chain & Cable Company, Inc., Bridgeport, Conn. Resistance welding chain links. 2,514,444, July 11.
Dougherty, Robert S. A., and J. E. Eberhardt, Bethlehem, Pa., assignors to Bethlehem Steel Company. Apparatus for charging blast furnaces. 2,516,190, July 25.
Dougherty, Thomas E.: *See*—
Brown, Dan A., and Dougherty.
Dough-King, Inc., assignee: *See*—
Toews, Peter J.
Doughman, Clifford W. *See*—
Barr, Theodore F., and Doughman.
Doughnut Corporation of America, assignee: *See*—
Ackles, Virgil E.
Walsh, James F., Levitt, and Goodman.
Doughty, Ellen K., Allentown, Pa. Hospital bed gown. 2,497,764, Feb. 14.
Doughty, Howard W., Amherst, assignor to Firetox Company, Holyoke, Mass. Fire extinguisher. 2,505,827, May 2.
Doughty, John C.: *See*—
Bray, Frederick H., Bates, and Doughty.
Doughty, Leon A., Glenside, assignor, by mesne assignments, to C & D Batteries, Inc., Conshohocken, Pa. Closure for storage batteries. 2,506,952, May 9.
Doughty, William E., assignor to James Vernor Company, Detroit, Mich. Sirup cooler. 2,517,773, Aug. 8.
Douglas Aircraft Company, Inc., assignee: *See*—
Anderson, Warren K.
Badenoch, Benjamin W.
Castle, John B.
Chadwick, Charles.
Cocks, Russell H., and Smith.
Del Mar, Bruce E.
Groebe, Harold F.
Knowles, Talbot R.
Marty, Frank A.
McCrumm, John D., and Plesset.
Neyhart, Arthur P.
Perry, Oscar R.
Urquhart, Archibald M.
Zgranik, Steven A.
Douglas, Arthur D., Berkeley, Calif. Pickup for harvester gathering reels. 2,496,002, Jan. 31.
Douglas, Arthur D., Berkeley, Calif. Detent for wrench ratchet handles. 2,514,598, July 11.
Douglas, Courtney C., Temple City, assignor to The Deutsch Company, Los Angeles, Calif. Modulating gas control means. 2,526,069, Oct. 17.
Douglas Fraser & Sons Limited, assignee: *See*—
Brown, James S.
Douglas, James K., Shorewood, assignor to The Oilgear Company, Milwaukee, Wis. Accumulator. 2,497,491, Feb. 14.

Douglas, James K., Shorewood, assignor to The Oilgear Company, Milwaukee, Wis. Hydraulic drive for planers and the like. 2,499,633, Mar. 7.
Douglas, James K., Shorewood, assignor to The Oilgear Company, Milwaukee, Wis. Hydraulic drive for reciprocating tables. 2,504,664, Apr. 18.
Douglas, James K., Shorewood, assignor to The Oilgear Company, Milwaukee, Wis. Hydraulic transmission with pressurized reservoir. 2,504,665, Apr. 18.
Douglas, James K., Shorewood, assignor to The Oilgear Company, Milwaukee, Wis. Apparatus for effecting operation of pressure operated mechanisms. 2,525,021, Oct. 10.
Douglas, John F. H., Milwaukee, E. Pell, Shorewood, and E. W. Seeger, Wauwatosa, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Braking system for induction motors. 2,534,423, Dec. 19.
Douglas Manufacturing Co., assignee: *See*—
Kelly, George M.
Douglas, Melvin, Chicago, Ill., assignor to H. Hildebrandt. Apparatus for grinding drills. 2,512,888, June 27.
Douglas, Peyton W., Syracuse, N. Y. Baby bathing appliance. 2,518,604, Aug. 15.
Douglass, Charles R., Jr., Los Angeles, Calif. Electrodynamic recording head. 2,514,379, July 11.
Douglass, H. A., Mfg. Co., assignee: *See*—
Penfold, Charles S.
Douglass, Wallace C., Tuckahoe, N. Y. Cleaning apparatus for lamp shades having a rotary support, fluid spray, and drier. 2,515,702, July 18.
Douglass, Wilson F.: *See*—
Flint, Einar P., Miller, and Douglass.
Doull, Robert M., and M. Radonich, Montreal, Quebec, Canada. Pneumatic cement-applying apparatus. 2,516,684, July 25.
Douma, Tjiske, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Device for generating high-frequency electrical oscillations. 2,498,257, Feb. 21.
Doumani, Thomas F.: *See*—
Skinner, Davis A., and Doumani.
Doumani, Thomas F., assignor to Union Oil Company of California, Los Angeles, Calif. Preparation of unsaturated thio-ethers. 2,532,612, Dec. 5.
Doumani, Thomas F., and J. F. Cuneo, assignors to Union Oil Company of California, Los Angeles, Calif. Thiophene acylation with catalyst of sulfuric acid-carboxylic acid complex. 2,522,752, Sept. 19.
Doumitt, Philip S., Portland, Oreg. Punchboard. 2,531,674, Nov. 28.
Doupnik, John J., Los Angeles, Calif. Poultry picking machine attachment. 2,528,215, Oct. 31.
Doura, Emilio, Buenos Aires, Argentina. Full-fashioned stocking and producing the same. 2,500,631, Mar. 14.
Doussain, Robert, Villeurbanne, France. Propelling means. 2,523,651, Sept. 26.
Doutt, Kingsley A., Cortland, assignor to Federal Machine and Welder Company, Warren, Ohio. Control means. 2,531,033, Nov. 21.
Douty, Alfred, Elkins Park, and E. Snyder, Philadelphia, assignors to American Chemical Paint Company, Ambler, Pa. Preparing iron and aluminum surfaces to receive organic coatings and solution therefor. 2,516,685, July 25.
D'Ouville, Edmond L., Chicago, Ill., assignor to Koppers Company, Inc., Pittsburgh, Pa. Manufacture of hydrocarbons. 2,499,372, Mar. 7.
Doux, Alfred W., New York, N. Y. Serving device. 2,496,908, Feb. 7.
Dove, Carl D., South Gate, Calif. Combined highway and rail freight unit. 2,513,552, July 4.
Dover Industries, Inc., assignee: *See*—
Jensen, Leo D.
Dow Chemical Company, The, assignee: *See*—
Amos, James L., and Stober.
Arnold, James B., and Dankert.
Bacon, Kenneth D., and Young.
Barry, Arthur J., Hook, and De Pree.
Bauman, William C.
Berhenke, Luther F., and Begin.
Berhenke, Luther F., and Byers.
Boyer, Raymond F.
Brines, Melvin E., and Sarge.
Britton, Edgar C., and Begin.
Britton, Edgar C., and Berhenke.
Britton, Edgar C., and Brown.
Britton, Edgar C., and Byers.
Britton, Edgar C., and Coleman.
Britton, Edgar C., and Le Fevre.
Britton, Edgar C., Monroe, and Hand.
Britton, Edgar C., and Slagh.
Britton, Edgar C., Vander Weele, and Livak.
Brust, Harry F.
Cessna, Oren C.
Chamberlin, Marshall V.
Chenault, Woodford S.
De Long, Herbert K.
Dieter, Curtis E., and Hammer.
Dieter, Curtis E., and Thiegs.
Dietzler, Andrew J.
Dietzler, Andrew J., and Bryner.
Dosser, Robert C., and Colby.
Drake, Stevens S., and Lang.
Dreisbach, Robert R., Martin, and Erbel.
Dow Chemical Company, The, assignee—Continued
Dulmage, Frederic E., and Cheney.
Ernst, Robert C., and Moore.
Frevel, Ludo K.
Glesner, Joseph G., and Robinson.
Gunn, George F., and Logan.
Hammer, Oscar H.
Hanson, Alden W., Heston, and Buecken.
Havens, Carl B.
Hoogsteen, Harold M.
Houtman, Thomas, Jr.
Hummer, Richard W., and Kenaga.
Hunter, Melvin J.
Hunter, Ralph M.
Hunter, Ralph M., Blue, and Neipert.
Irons, Carroll R.
Johnson, Julius E., and Mussell.
Johnson, Julius E., Jr., and Mussell.
Kenaga, Eugene E.
Kropscott, Earle L., and Lipke.
Livak, John E., and Britton.
Long, Merton W., Jr.
Lowry, Robert D., and Schaefer.
Lynn, George E.
Matheson, Lorne A.
McCurdy, John L.
McIntire, Otis R.
Miller, Herman H.
Monroe, Ezra, and Hand.
Morris, Elton K.
Moyle, Clarence L.
Moyle, Clarence L., and Drake.
Moyle, Clarence L., and Gruenhagen.
Mullison, Wendell R.
Norton, Ted R.
Pelton, Earl L.
Pelton, Earl L., and Holzschuh.
Reilly, John H.
Robinson, Harold A.
Ryden, Laurence L.
Schubert, Frank J., and Anderson.
Serdynsky, Eugene D.
Sexton, Arthur R., and Britton.
Smith, Ralph H.
Stanton, George W. and L.
Stenger, Vernon A.
Stober, Kenneth E., and Amos.
Swinehart, Richard W.
Swinehart, Richard W., and Allen.
Taylor, Frank C., Jr.
Vander Weele, John C.
White, Halbert C., and Britton.
Wiggins, Glenn C.
Williams, Guy F.
Yates, William M., and Swayze.
Young, Arthur E., and Bacon.
Dow Corning Corporation, assignee: *See*—
Barry, Arthur J.
Barry, Arthur J., and Gilkey.
Braley, Orville A.
Clark, Harold A.
Currie, Chester C.
Fenn, Howard N., and Rauner.
Fletcher, Herbert J., and Dingman.
Goodwin, John T., Jr.
Hunter, Melvin J.
Kohl, Charles F., Jr.
McGregor, Rob R., and Warrick.
Pedersen, William W.
Smith, Earle J.
Sommer, Leo H.
Speier, John L., Jr.
Tyler, Leslie J.
Dow, James N., St. Charles, Ill., assignor to Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn. Pile floor covering. 2,510,563, June 6.
Dow, James N., Clemson, S. C., and A. T. Dildilian, Suffield, assignors to Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn. Pile fabric frayproofing. 2,517,389, Aug. 1.
Dow, Orville E., Port Jefferson, N. Y., assignor to Radio Corporation of America. Stabilized oscillator system. 2,523,684, Sept. 26.
Dow, Sumner W., Boston, Mass. Spiral binder. 2,501,501, Mar. 21.
Dow, Warren R., Newton, Mass. Sound head mounting. 2,519,360, Aug. 22.
Dow, William G., and H. C. Early, Boston, Mass., and H. J. Gomberg, Washington, D. C., assignors to General Motors Corporation, Detroit, Mich. High-frequency inductive welding apparatus. 2,493,950, Jan. 10.
Dowbiggin, Alan, Lancaster, assignor to Storey Brothers and Company Limited, White Cross Mills, Lancaster, Lancaster, England. Production of dull lacquer finishes. 2,523,946, Sept. 26.
Dowd, Chester W., Dover, and H. G. Mogensen, Shrewsbury, Mass. Shoe cleat assembly. 2,523,652, Sept. 26.
Dowden, Dennis A.: *See*—
Bremner, John G. M., Starkey, and Dowden.
Dowell, John T., Riverside, assignor to Projects, Inc., Berwyn, Ill. Stilt. 2,504,922, Apr. 18.
Dowell, Oren P., Lawrenceville, Ill. Device for partitioning a basket into compartments for packing different kinds or different colors of fruits. 2,503,326, Apr. 11.

Dower, Edward W., assignor to Elgin National Watch Company, Elgin, Ill. Plug gauge. 2,493,233, Jan. 3.
Dowick, Benjamin, Jersey City, N. J. Chuck for motor drive shafts. 2,526,208, Oct. 17.
Dowlais Hosiery Mills Limited, assignee: *See*— Edwards, Aubrey G., Hooper, and White.
Dowler, Frank A., Alameda, Calif. Rotating cutting reel lawn mower. 2,501,163, Mar. 21.
Dowling, Arthur P., Narberth, Pa., assignor to Plastic Products Corp., New York, N. Y. Plastic casket. 2,494,473, Jan. 10.
Dowling, Leslie H., Sutton Coldfield, England. Antislip tread. 2,532,485, Dec. 5.
Down, Sidney G., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Two station control of fluid motors. 2,512,013, June 20.
Down, Sidney G., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Locomotive throttle control. 2,515,951, July 18.
Downe, Edward R., assignor to The C. A. Olsen Manufacturing Company, Elyria, Ohio. Furnace burner mount. 2,531,261, Nov. 21.
Downer, Milton B., Adrian, Mich. Lawn mower. 2,498,796, Feb. 28.
Downes, Kenneth W.: *See*— Lowe, Sherwin P., Long, Downes, and Kent.
Downes, Lloyd C., and J. F. Wiggin, Syracuse, N. Y., assignors to General Electric Company. Pulsed light film projection for television transmissions. 2,499,181, Feb. 28.
Downey, Paul M., Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Preparing hydroxy ethyl mercapto thiazoles. 2,513,922, July 4.
Downie, John W., Syracuse, N. Y., assignor to General Electric Company. Direct current restoration circuit for television. 2,515,763, July 18.
Downing, Frederick B., Carney's Point, N. J., assignor to the United States of America as represented by the United States Atomic Energy Commission. Regenerating antimony pentafluoride from spent antimony halides resulting from the fluorination of organic chlorides. 2,510,872, June 6.
Downing, Frederick H., Balboa, C. Z. Picture hanger. 2,496,990, Feb. 7.
Downing, George, Parkersburg, W. Va., assignor to American Viscose Corporation, Wilmington, Del. Automatic lead-burning machine. 2,524,896, Oct. 10.
Downing, James R., assignor to Cook Electric Company, Chicago, Ill. Liquid level control. 2,514,630, July 11.
Downing, James R. O., assignor to National Research Corporation, Boston, Mass. Pressure gauge. 2,497,213, Feb. 14.
Downing, Rexford D., Rock Island, Ill., assignor to International Harvester Company. Auxiliary cutter for harvester platforms. 2,517,390, Aug. 1.
Downing, Rexford D., Rock Island, Ill., and C. N. Adams, Davenport, Iowa, assignors to International Harvester Company. Remote control for gear shift levers. 2,527,801, Oct. 31.
Downing, Richard E.: *See*— Pajes, Wolf S., and Downing.
Downs, Austin H., Glen Ridge, assignor to Eclipse Air Brush Co., Newark, N. J. Multicolor spray gun. 2,504,116, Apr. 18.
Downs, Austin H., Glen Ridge, assignor to Eclipse Air Brush Co., Newark, N. J. Spraying multicolored coatings. 2,504,117, Apr. 18.
Downs, Bernard W.: *See*— Linnit, Christopher E., and Downs.
Downs, Charles D., Newtown, Pa., and J. Martin, Trenton, N. J., assignors to Columbian Carbon Company, New York, N. Y. Preparation of magnesium ferrite pigment. 2,502,130, Mar. 28.
Downs, Charles D., Newtown, Pa., and J. Martin, Trenton, N. J., assignors to Columbian Carbon Company, New York, N. Y. Magnetic recording. 2,524,433, Oct. 3.
Downs, Louise S., assignee: *See*— Peters, Ernest C., and English.
Downs, Orville, Clayton, N. J. Heating water by electricity. 2,530,382, Nov. 21.
Downs, Stewart A., assignee: *See*— Peters, Ernest C., and English.
Downs, William A., Hempstead, N. Y. Visible index. 2,529,926, Nov. 14.
Downward, Frank M., Minquadale, assignor of one-half to S. W. Buckley, Wilmington, Del. Fluid pressure turbine. 2,514,039, July 4.
Dowsett Engineering Construction Limited, assignee: *See*— Barber, Ronald S. V., and Lester.
Dowsing, George H., Seattle, Wash. Illusory display device. 2,526,546, Oct. 17.
Dowty Equipment Limited, assignee: *See*— Carey, Frederick H.
Doying, Ernest G.: *See*— Slyh, John A., Janes, and Doying.
Doyle, Charles C., Willoughby, Ohio. Electric (infrared) heating appliance. 2,495,513, Jan. 24.
Doyle, Edmund A., New York, N. Y., assignor to The Linde Air Products Company. Method and apparatus for surface conditioning metal bodies. 2,500,245, Mar. 14.
Doyle, Frank P.: *See*— Kendall, John D., and Doyle.
Doyle, Irving W., Massapequa, assignor to Fairchild Camera and Instrument Corporation, Jamaica, N. Y. Camera with delayed shutter action. 2,521,153, Sept. 5.
Doyle, Irving W., Massapequa, assignor to Fairchild Camera and Instrument Corporation, Jamaica, N. Y. Compound blade symmetrical opening camera shutter. 2,531,034, Nov. 21.
Doyle, Irving W., Massapequa, and R. A. White, Pleasantville, assignors to Fairchild Camera and Instrument Corporation, Jamaica, N. Y. Film feeding and winding apparatus. 2,495,161, Jan. 17.
Doyle, Irving W., Massapequa, and C. V. Johnson, Kew Gardens, assignors to Fairchild Camera and Instrument Corporation, Jamaica, N. Y. Camera having film winding and shutter setting mechanism. 2,514,991, July 11.
Doyle, James C., Hollis, N. Y. Apparatus for molding confections. 2,515,952, July 18.
Doyle, Paul J., and C. H. Flickinger, Lakewood, assignors to Republic Steel Corporation, Cleveland, Ohio. Lubricating oil for use on rolling metal. 2,508,016, May 16.
Doyle, Thomas J., South Braintree, assignor to Tubular Rivet and Stud Company, Quincy, Mass. Adjustment means for rivet feeding hoppers. 2,514,851, July 11.
Doyle, Thomas J., Milton, assignor to Tubular Rivet and Stud Company, Quincy, Mass. Apparatus for assembling rivet setting anvils. 2,521,505, Sept. 5.
Doyle, William M.: *See*— Hall, Horace C., Gresham, Doyle, and Wilson.
Drabb, Nicholas E., assignee: *See*— Potter, Elbert R.
Drabenstott, Robert B.: *See*— Buchholzer, Julius W., and Drabenstott.
Drabik, Joseph, Chicago, Ill. Tweezers actuating device. 2,507,762, May 16.
Drachman, Myron J., Bronxville, N. Y., assignor to The McBee Company, Athens, Ohio. Apparatus for duplicating slotted cards. 2,519,031, Aug. 15.
Drackett Company, The, assignee: *See*— Calvert, Francis E.
Drafto Corporation, assignee: *See*— Tucker, Charles D.
Drager, Rupert H., United States Navy, and H. Friedman, Arlington, Va. Electrically controlled flicker fusion testing apparatus. 2,495,708, Jan. 31.
Draeger, Rupert H., and H. F. A. Long, United States Navy. Manually operated photofluorographic camera. 2,510,965, June 13.
Drago, Michael, Hempstead, N. Y. Mechanical fish. 2,510,309, June 6.
Draheim, Ernest C., assignor to Daniels Manufacturing Company, Rhinelander, Wis. Cured meat wrapper. 2,518,762, Aug. 15.
Drake, Alden M., assignor to Niles-Bement-Pond Company, West Hartford, Conn. Automatic screw thread lapping machine. 2,493,573, Jan. 3.
Drake, Alden M., assignor to Niles-Bement-Pond Company, West Hartford, Conn. Balanced wheel mounting. 2,518,226, Aug. 8.
Drake, Alfred E., Tucson, Ariz. Controllable aromatic dispenser. 2,500,896, Mar. 14.
Drake, Arthur W., assignee: *See*— Ormont, Bernard.
Drake, Billy B.: *See*— Smythe, Carl V., Drake, and Neubeck.
Drake, Earl D., assignor to Gibson Refrigerator Company, Greenville, Mich. Refrigerator cabinet. 2,505,322, Apr. 25.
Drake, Earl D., assignor to Brooker Engineering Co., Detroit, Mich. Universal lamp holder and safety switch. 2,522,103, Sept. 12.
Drake, Edward P.: *See*— Boyden, Robert E., and Drake. Ryan, Commodore D., and Drake.
Drake, Edward P., Glendale, assignor to Clary Multiplier Corporation, San Gabriel, Calif. Calculating machine. 2,515,442, July 18.
Drake, Francis M.: *See*— McElrath, Thomas, Jr., and Drake.
Drake, George F., W. J. Whitehead, and H. C. Plummer, assignors to Woodward Governor Company, Rockford, Ill. Speed-responsive governor. 2,533,231, Dec. 12.
Drake, Harcourt C., Hempstead, N. Y., assignor to Sperry Products, Inc., Hoboken, N. J. Rail flaw detector recording mechanism. 2,527,000, Oct. 24.
Drake, Harcourt C., Hempstead, N. Y., assignor to Sperry Products, Inc., Danbury, Conn. Rail flaw detector recording mechanism. 2,527,001, Oct. 24.
Drake, Harcourt C., Hempstead, N. Y., assignor to Sperry Products, Inc., Danbury, Conn. Rail flaw detector recording mechanism. 2,527,002, Oct. 24.
Drake, Harcourt C., Hempstead, N. Y., W. I. Bendz, Ridgefield, and W. E. Mesh, Brookfield, assignors to Sperry Products, Inc., Danbury, Conn. Rail flaw detector mechanism. 2,535,353, Dec. 26.
Drake, Irvin J.: *See*— Brouwer, Clarence J., and Drake.
Drake, James W., assignor to Woodward Governor Company, Rockford, Ill. Follow-up mechanism. 2,495,162, Jan. 17.
Drake, Lewis R.: *See*— Moyle, Clarence L., and Drake.

Drake, Nathan L., College Heights, Md., and C. M. Eaker, Affton, Mo., assignors to the United States of America as represented by the Secretary of the Army. Insect repellents. 2,535,052, Dec. 26.
Drake, Percell L., Detroit, Mich. Shoe-cleaning machine with reciprocating cleaning elements. 2,500,530, Mar. 14.
Drake, Ralph E., Palisade, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrolytic device. 2,500,632, Mar. 14.
Drake, Russell P., Caledonia, assignor to Barber-Colman Company, Rockford, Ill. Bunch building mechanism for bobbin winding machines. 2,520,134, Aug. 29.
Drake, Russell P., Caledonia, assignor to Barber-Colman Company, Rockford, Ill. Warping apparatus. 2,520,135, Aug. 29.
Drake, Russell P., Caledonia, assignor to Barber-Colman Company, Rockford, Ill. Donning mechanism for bobbin handling machines. 2,534,162, Dec. 12.
Drake, Stevens S., and J. L. Lang, assignors to The Dow Chemical Company, Midland, Mich. Stabilization of nuclear chlorostyrenes by 2,6-dinitrophenols. 2,526,567, Oct. 17.
Drake, Virgil R.: *See*—
Hopper, William H., and Drake.
Drammens Glassverk, assignee: *See*—
Tanberg, Ragnar.
Draney, John J., Le Mesa, assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Safety device for pressurized aircraft. 2,515,639, July 18.
Drangle, Leon, Gilman, Wis. Cheese and cracker package. 2,527,919, Oct. 31.
Draper Brothers Company, assignee: *See*—
Blumenbaum, Louis G., and Langlois.
Draper, Charles H., Los Angeles, Calif. Ink bottle dispenser. 2,517,182, Aug. 1.
Draper Corporation, assignee: *See*—
Brown, Carl D.
Brown, Carl D., and Nichols.
Burdett, Horace H.
Fiset, Alphonse J., and Brown.
French, Willard C.
Hamilton, Wallace.
Nichols, Edward C.
Repass, James E.
Tifft, Emerson B.
Tuten, James M.
Draper, George C., Westmount, Quebec, Canada. Attitude indicator. 2,515,199, July 18.
Draper, George C., Rosemere, Quebec, Canada. Attitude indicating instrument. 2,515,200, July 18.
Draper, James C.: *See*—
Sullivan, Emmet J., and Draper.
Drapier, Jean P., Lyon, France. Aerodyne having wings movable in circular translation. 2,496,385, Feb. 7.
Dravo Corporation, assignee: *See*—
King, Howard J., and Jacobi.
Lester, Harry H.
Liebman, Arno J.
McLean, William B.
Reilly, Bertram B.
Rush, Ralph M.
Drayer-Hanson, Incorporated, assignee: *See*—
Clancy, Gilbert E.
Drechsel, Erhart K., Stamford, and W. M. Thomas, Springdale, Conn., assignors to American Cyanamid Company, New York, N. Y. N-unsaturated hydrocarbon, N'-phthaloyl substituted urea and polymers thereof. 2,516,836, Aug. 1.
Dredske, Arthur P., Rockford, Ill. Surface grinder attachment for milling machines. 2,520,676, Aug. 29.
Dreffein, Henry A., West Chicago, Ill. Heat-treating material. 2,497,442, Feb. 14.
Dreffein, Otto F., assignor to Arens Controls, Inc., Chicago, Ill. Control mechanism. 2,502,780, Apr. 4.
Drega, Frank: *See*—
Kolper, Charles J., and Drega.
Dreher, Elmer H., East Norwalk, Conn., assignor to Remington Rand Inc., New York, N. Y. Typewriter ribbon carrier. 2,509,862, May 30.
Dreisbach, Charles A., assignor to Standard Radial Blast Corporation, Yonkers, N. Y. Feed and discharge control means for paired rolls within rotary housing. 2,506,267, May 2.
Dreisbach, Edwin J., New Haven, Conn. Roll film camera having combined film-advancing and shutter-operating means. 2,522,214, Sept. 12.
Dreisbach, Paul F.: *See*—
Crossley, Moses L., Dreisbach, Turner, and Hofmann.
Crossley, Moses L., Turner, and Dreisbach.
Dreisbach, Robert R., R. A. Martin, Midland, and A. J. Erbel, Bay City, assignors to The Dow Chemical Company, Midland, Mich. Method and intermediates for production of alkenyl aromatic compounds. 2,507,506, May 16.
Dremel, Albert J., Racine, Wis. Clip for holding sanding paper. 2,509,561, May 30.
Drennan, Harry E., El Dorado, Ark. Cushion tire. 2,506,861, May 9.
Drennan, Pat S.: *See*—
Radford, Hershel D., Lee, and Drennan.

Drennen, John T., Newburgh, N. Y., assignor to American Viscose Corporation, Wilmington, Del. Tape condenser. 2,513,405, July 4.
Drescher, Rowland B., and A. C. Wenzel, assignors to Republic Flow Meters Company, Chicago, Ill. Control apparatus. 2,532,153, Nov. 28.
Dresko Machine Corporation, assignee: *See*—
Haumann, Joseph.
Dressel, Harold C., Batavia, N. Y. Starting gate. 2,522,932, Sept. 19.
Dressel, Henry M., assignor to Stackpole Carbon Company, St. Marys, Pa. Device for tuning high-frequency circuits. 2,497,662, Feb. 14.
Dressel, Merle N., assignor of one-half to C. A. Trossen, St. Cloud, Minn. Rotor for hammer mills. 2,517,990, Aug. 8.
Dresser, Frank G., Providence, R. I. Device for reading meniscuses. 2,496,447, Feb. 7.
Dresser, Frank G., Providence, R. I. Support for burettes and the like. 2,516,965, Aug. 1.
Dresser Industries, Inc., assignee: *See*—
Martin, Clyde J.
Dressler, Max, assignee: *See*—
Browner, William J.
Dressler, Max, Chicago, Ill., assignor to Chicago Pump Company. Aeration unit and support therefor. 2,521,454, Sept. 5.
Dressler, Robert F.: *See*—
Beard, Joseph G., and Dressler.
Dressler, Russell G., Louisiana, Mo., assignor to California Research Corporation, San Francisco, Calif. Production of para xylene. 2,533,232, Dec. 12.
Drew, E. F., & Co., Inc., assignee: *See*—
Ackelsberg, Oscar J.
Barsky, George.
Little, Lawrence L.
Molteni, Henry A.
Drew, Glen M., Kansas City, Mo. Combined pack frame and truck. 2,507,855, May 16.
Drew, Louis D., Independence, Calif. Fine gold recovering machine. 2,518,605, Aug. 15.
Drew, Robert D.: *See*—
Eastwood, Sylvander C., and Drew.
Drewitt, James G. N.: *See*—
Allen, Sidney J., and Drewitt.
Lincoln, James, and Drewitt.
Drewitt, James G. N., Spondon, near Derby, England, assignor to Celanese Corporation of America. Oxidation of aliphatic esters. 2,530,512, Nov. 21.
Drews, Sheldon, Annapolis, Md. Transmission for slow-motion signs. 2,528,122, Oct. 31.
Drexel Enterprises, Inc., assignee: *See*—
Frye, Drexel S.
Drexel Furniture Company, assignee: *See*—
Hildebrand, Samuel B., and Shirlen.
Dreyer, Albert G., Scotch Plains, N. J. Amusement device simulating air combat. 2,502,834, Apr. 4.
Dreyer, Isaac, Brooklyn, N. Y. Vaporizer. 2,519,444, Aug. 22.
Dreyer, John F., assignee: *See*—
Dreyer, John F.
Dreyer, John F., Springfield, assignor, by mesne assignments, to J. F. Dreyer, doing business as Dreyer Laboratories, Cincinnati, Ohio. Flexible noncrystalline self-contained polarizing films and making and using the same. 2,524,286, Oct. 3.
Dreyer Laboratories, assignee: *See*—
Dreyer, John F.
Dreyer, William F., Miami, Fla. Stud extractor tool. 2,497,214, Feb. 14.
Dreyfus, Camille, New York, N. Y. Surface-bonding fibrous batts. 2,497,117, Feb. 14.
Dreyfus, Camille, New York, N. Y. Production of high tenacity filamentary materials. 2,506,710, May 9.
Dreyfus, Camille, New York, N. Y. Cord. 2,532,395, Dec. 5.
Dreyfus, Camille, and A. Schwartz, New York, N. Y., assignors to Celanese Corporation of America. Producing differential color effects in fabrics, and the fabric. 2,507,561, May 16.
Dreyfus, Henry, deceased, London, England, by C. Bonard, administrator, assignor to Celanese Corporation of America. Tire building and material used therein. 2,494,649, Jan. 17.
Dreyfus, Jean A., Geneva, Switzerland. Electroacoustic apparatus. 2,512,889, June 27.
Dreyfus, Ludwig, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Induction stirrer. 2,513,082, June 27.
Dreyfus, Ludwig A., assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Induction furnace. 2,517,098, Aug. 1.
Dreyfus, Ludwig A., assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Induction furnace. 2,518,872, Aug. 15.
Dreyling, Alfred, South River, N. J., and C. W. Johnson, Flint, Mich., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Airplane fabric and manufacturing air frames. 2,517,852, Aug. 8.
Dreywood, Roman P., assignor to Eastman Kodak Company, Rochester, N. Y. Simultaneously developing and fixing photographic images. 2,525,532, Oct. 10.

Dri-Air Products Company, assignee: *See*—
Mannix, Richard L.
Drienka, John S., Chicago, Ill. Wallpaper pasting device. 2,496,581, Feb. 7.
Driesbach, Gilbert O., Robesonia, Pa., assignor to Publix Shirt Corporation, New York, N. Y. Combined garment pocket and flap. 2,528,044, Oct. 31.
Drieschman, Donald F.: *See*—
Sorg, Harold E., Williams, and Drieschman.
Drieschman, Donald F., Los Altos, assignor to Eitel-McCullough, Inc., San Bruno, Calif. Making electrodes. 2,519,445, Aug. 22.
Driessen, Maximiliaan G., Brunssum, assignor to De Directie van de Staatsmijnen in Limburg, Heerlen, Netherlands. Cyclone separator. 2,534,702, Dec. 19.
Dri-Fast Process Corporation, assignee: *See*—
Nugey, Anthony L.
Drill, Charles, assignor to E. M. Drill, St. Louis, Mo. Emergency plane carrier. 2,497,590, Feb. 14.
Drill, Emma M., assignee: *See*—
Drill, Charles.
Drink-O-Matic Co., assignee: *See*—
Goldberg, Joseph H.
Drisch, Nicolas, and R. Fays, Paris, France, assignors to Comptoir des Textiles Artificiels. Cellulose derivatives and preparing same. 2,495,232, Jan. 24.
Drisch, Nicolas, and R. Fays, Paris, France, assignors to Comptoir des Textiles Artificiels. Treating cellulose materials with trimethylolphenol. 2,495,233, Jan. 24.
Drisch, Nicolas, and R. Fays, Paris, France, assignors to Comptoir des Textiles Artificiels. Treating cellulosic materials with trimethylolphenol. 2,495,234, Jan. 24.
Drisch, Nicolas, Paris, and R. Fays, Maisons-Lafitte, France, assignors to Comptoir des Textiles Artificiels. Treating cellulose. 2,495,239, Jan. 24.
Drisch Nicolas, and R. Priou, Paris, France, assignors to Comptoir des Textiles Artificiels, Spinning viscose. 2,511,699, June 13.
Drisch, Nicolas, and R. Fays, assignors, by mesne assignments, to Societe Novacel, Paris, France. Making retractile articles from solutions of celulose triacetate in a solvent comprising glycol formal. 2,512,490, June 20.
Drisch, Nicolas, and R. Fays, Paris, France, assignors to Comptoir des Textiles Artificiels. Making shaped synthetic products. 2,524,625, Oct. 3.
Driscoll, Clare, Brookline, Mass., assignor to the United States of America as represented by the Secretary of War. Unbalanced-to-balanced impedance matching device. 2,530,048, Nov. 14.
Driscoll, Joseph M., Milwaukee, Wis. Hay and grain handling device. 2,509,814, May 30.
Driscoll, Roy A., Fontana, Calif. Apparatus for converting metals. 2,515,764, July 18.
Driskell, John C., U. S. Army. Colored smoke bomb. 2,502,442, Apr. 4.
Driskill, George R., San Bernardino, Calif. Flush tank ball operator. 2,524,897, Oct. 10.
Drissner, Alfred E., assignor to The National Acme Company, Cleveland, Ohio. Floating chuck. 2,494,166, Jan. 10.
Dritz, Arthur, Brooklyn, N. Y. Toy blowgun and sounding device. 2,512,313, June 20.
Dritz, John, & Sons, assignee: *See*—
Wolff, George.
Driver, George William: *See*—
Coffey, Samuel, Driver, and Fairweather.
Coffey, Samuel, Driver, Fairweather, and Irving.
Driver-Harris Company, assignee: *See*—
Lohr, James M.
Drmic, Stipan A., Watsonville, Calif. Pruning shears. 2,532,359, Dec. 5.
Drobisch, Raymond W., assignor to The Swartzbaugh Manufacturing Company, Toledo, Ohio. Electric blanket control. 2,522,753, Sept. 19.
Drobish, Adolph E., Lincoln, Nebr., assignor to Western Electric Company, Incorporated, New York, N. Y. Bulb manufacturing apparatus. 2,504,817, Apr. 18.
Droemer, Paul E. H., Hartford, Conn. Tobacco lath. 2,494,379, Jan. 10.
Droescher, Le Roy A., Bala-Cynwyd, assignor to C. H. Wheeler Manufacturing Co., Philadelphia, Pa. Vacuum cooling apparatus. 2,512,056, June 20.
Droessler, Cyril J., Jamestown, Wis. Adjustable floodgate. 2,525,878, Oct. 17.
Dromgold, Jack K.: *See*—
Glenn, Howard A., and Dromgold.
Dros, Albert A., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Device comprising a gas turbine. 2,535,488, Dec. 26.
Drouin, Pierre A., Paris, France. Uniform microdisplacement device, particularly for gratings scriber. 2,506,141, May 2.
Drout, Valley A., Michigan City, assignor to Bastian-Morley Co., Inc., La Porte, Ind. Gas burner with internal mixture-distributing baffle. 2,519,956, Aug. 22.
Drow, Donald F., Los Angeles, Calif., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Temperature responsive safety valve for fuel burner systems. 2,530,942, Nov. 21.
Drown, Clifford F., Oklahoma City, Okla., N. H. Zimmerman, University City, Mo., and W. C. Ross, Dayton, Ohio. Weight and balance training model. 2,495,709, Jan. 31.
Drown, William L.: *See*—
Flygare, Carl G., Alvord, and Drown.
Druck, Charles: *See*—
Eisenberg, Manny, Clements, and Druck.
Drucker, William J., Richmond Hill, N. Y. Carrousel. 2,514,154, July 4.
Drucker, William J., Richmond Hill, N. Y. Manually operated collapsible carrousel. 2,515,499, July 18.
Druey, Jean: *See*—
Hartmann, Max, Druey, and Allemann.
Druey, Jean, Riehen, Switzerland, assignor to Ciba Pharmaceutical Products, Inc., Summit, N. J. Condensation product of 6-sulfanilamido-3-methyl-pyridazine with formaldehyde. 2,501,892, Mar. 28.
Druey, Jean, Riehen, Switzerland, assignor to Ciba Pharmaceutical Products, Inc., Summit, N. J. Pyrimidylmercapto-carboxylic acids and derivatives thereof. 2,530,570, Nov. 21.
Drugan, Allan J., Columbus, Ohio. Apparatus for heating motor vehicle door keys. 2,530,513, Nov. 21.
Druge, Daniel O., Oakland, Calif. Pressure gauge. 2,530,005, Nov. 14.
Drugman, George R., West Palm Beach, Fla. Electric can opener. 2,532,898, Dec. 5.
Drugmand, Lester D., Greenfield, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Arc welding system. 2,494,747, Jan. 17.
Drugmand, Lester D., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Oscillator circuit for high-frequency dielectric heating. 2,508,751, May 23.
Drugmand, Lester D., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. High-frequency heating of dielectric materials. 2,508,752, May 23.
Drugmand, Lester D., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electrostatic heating apparatus. 2,528,428, Oct. 31.
Drugmand, Lester D., Greenfield, and E. M. Hampe, Richfield, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Peaking transformer. 2,498,119, Feb. 21.
Drum, Joseph M., Pittsburgh, Pa. Flushing valve apparatus. 2,495,213, Jan. 24.
Drum, Vern R., Detroit, Mich. Splatter shield for frying pans and the like. 2,498,534, Feb. 21.
Drury, Victor P., Northmount, Ontario, Canada. Map holder. 2,503,101, Apr. 4.
Druschel, Emma T., executrix: *See*—
Druschel, Henry.
Druschel, Henry, deceased, Columbia, Pa.; E. T. Druschel, executrix of said Henry Druschel, assignor to O. K. Clutch and Machinery Company, Columbia, Pa. Portable elevator dump. 2,516,686, July 25.
Druyvesteyn, Mari J., and J. L. Meyering, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Hardening alloys by indiffusion of a metalloid. 2,493,951, Jan. 10.
Dry Corrugating method v/akselbo, Berbom og Drostholm, assignee: *See*—
Jacobsen, Peter.
Dryburgh, Douglas J. W., administrator: *See*—
Waterton, Edmund A.
Dryco Corporation, assignee: *See*—
Smith, Norman.
Dryden, Charles E.: *See*—
Buxton, Loran O., and Dryden.
Dryden, Ernest, Toronto, Ontario, Canada. Hacksaw blade. 2,534,424, Dec. 19.
Dryden Paper Company Limited, assignee: *See*—
Pietsch, Otto.
Dryer, Henry V.: *See*—
Amundson, Roald H., and Dryer.
Dryer, Henry V., Milwaukee, Wis., assignor to McGraw Electric Company. Fuse construction. 2,500,808, Mar. 14
Drying & Concentrating Company, assignee: *See*—
Hall, Joseph M.
Dry-Or-Shade, Inc., assignee: *See*—
Griffin, Harry L.
Drysdale, Royston F., and R. W. Parker, assignors to The Walterisation Company Limited, Croyden, England. Increasing the corrosion-resistance of metals. 2,514,941, July 11.
Dual Mfg. and Engineering Co., assignee: *See*—
Bouchard, Louis J.
Dualoc Engineering Co., assignee: *See*—
Randall, Ralph R.
Duart Manufacturing Co., Ltd., assignee: *See*—
Schleimer, Floyd V.
Duarte, John T., Honolulu, Hawaii. Heat distributing plate and drip pan. 2,513,011, June 27.
Dubbs, Arthur C.: *See*—
Stevens, Donald R., and Dubbs.
Dubbs, Carbon C., Orange, Calif. Process and apparatus for molding porous concrete products. 2,528,643, Nov. 7.
Dube, Aimee J., Troy, N. Y. Wheeled toy. 2,535,396, Dec. 26.
Dube, John B., Dallas, Tex. Heat, cold, and fume resisting wall structure. 2,514,696, July 11.
Dube, John E.: *See*—
Freedman, Rudolph, and Dube.
Kounovsky, Edward F., and Dube.
Dube, John E., Chesterfield, assignor to Alco Valve Company, University City, Mo. Thermal valve. 2,506,413, May 2.

Dube, John E., Chesterfield, F. M. MacDougall, Kirkwood, and G. D. Bower, assignors to Alco Valve Company, University City, Mo. Thermostatic valve with multiple override. 2,529,378, Nov. 7.

Dubeau, Archie L.: *See*—
Vincent, George P., and Dubeau.

Dubilier, Philip: *See*—
Katzman, Jacob, and Dubilier.

Dubilier, Philip, and J. Katzman, New York, N. Y. Electrical condenser. 2,506,446, May 2.

Dubilier, William, New Rochelle, N. Y. Electrical liquid treating device. 2,532,016, Nov. 28.

Dubin, Lester, Mount Vernon, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Radio beacon receiver control circuit. 2,495,710, Jan. 31.

Dubner, Harry J. Forest Hills, N. Y. Brassière. 2,513,406, July 4.

Du Bois, Adrien S., Jersey City, N. J., assignor to Onyx Oil & Chemical Company. Detergent composition. 2,519,747, Aug. 22.

Du Bois, Adrien S., Jersey City, N. J., and E. I. Valko, New York, N. Y., assignors to Onyx Oil & Chemical Company, Jersey City, N. J. Aromatic diquaternary ammonium compounds. 2,520,275, Aug. 29.

Du Bois, Daniel K., Watervliet, N. Y., assignor to American Telephone and Telegraph Company. Selector switch control for automatic telephone systems. 2,528,269, Oct. 31.

Du Bois, Donald, Ashokan, and P. Wheeler, Poughkeepsie, N. Y. Pilot turning attachment for lathes. 2,533,665, Dec. 12.

Dubois, Ernest, La Chaux de Fonds, Switzerland. Hairspring. 2,507,698, May 16.

Du Bois, George B., Radburn, and W. G. Ovens, Midland Park, N. J., assignors to Wright Aeronautical Corporation. Rocker box lubrication system. 2,502,933, Apr. 4.

Du Bois, George B., and R. B. Ungerer, Fairlawn, N. J., assignors to Wright Aeronautical Corporation. One-way drives with hydraulically loadable coupling. 2,521,117, Sept. 5.

Dubois, Oscar E., Vevey, Switzerland. Timepiece regulator. 2,508,940, May 23.

Du Bois, Stanley E., Piqua, Ohio. Multilegged crutch. 2,518,763, Aug. 15.

Du Bois, William H., assignor to Bendix Aviation Corporation, South Bend, Ind. Friction element. 2,516,966, Aug. 1.

Du Bose, George P.: *See*—
Schmidt, Lewis W.

Du Bose, Harriet G., executrix, assignee: *See*—
Schmidt, Lewis W.

Dubost, Charles, Lancey, France. Aerodynamic lifting device. 2,532,899, Dec. 5.

Dubourg, Jean, Paris, France. Apparatus for contacting solids with fluids. 2,496,523, Feb. 7.

Dubpernell, George, Watertown, Conn., assignor to United Chromium, Incorporated, New York, N. Y. Minimizing "patchiness" in etched chromium electrodeposits. 2,497,591, Feb. 14.

Dubreuil, Joseph A. N., Pawtucket, R. I. Hand control for motor vehicles. 2,529,076, Nov. 7.

Dubsky, Arthur, assignee: *See*—
Wiessner, Robert.

Dubuar, Arthur S., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Testing circuits for determining relay time intervals. 2,496,622, Feb. 7.

Dubuc, Jerome J., Burlington, Vt. Refrigerator for automobiles and motor boats. 2,532,090, Nov. 28.

Dubuit, Louis G., Paris, France. Polychrome offset printing. 2,510,388, June 6.

Duce, Ralph E., Kokomo, Ind., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Powder dispensing apparatus. 2,526,735, Oct. 24.

Ducey, Francis E., Midland, Mich. Table attached infant's chair. 2,493,187, Jan. 3.

Duch, Gabriel V. A., and M. A. Duch, nee Bernelin, Lyons, France. Electrically interconnecting wires, cables, tubes, plates, and other metallic elements. 2,535,397, Dec. 26.

Duch, Marie A.: *See*—
Duch, Gabriel V. A. and M. A.

Ducharme, Jean M., East Walpole, assignor to Crandall Dry Dock Engineers Inc., Cambridge, Mass. Multiple-roller bearing unit. 2,531,770, Nov. 28.

Duchesne, Earl L., Philadelphia, Pa. Stem lock for dial gauges. 2,495,240, Jan. 24.

Duckoff, Maxwell E., Manchester, N. H. Shoe with binding having elastic and inelastic sections. 2,500,668, Mar. 14.

Ducot, George B., Santa Ana, Calif. Cigarette holder. 2,530,688, Nov. 21.

Ducruet, Arthur, Paris, France. Telephonic call magneto. 2,528,874, Nov. 7.

Ductile Chrome Process Co., assignee: *See*—
Raab, Russell.

Dudderar, T. Dixon, administrator: *See*—
Rowen, John W., and Phillips.

Dudek, Harold M., Altadena, Calif. Mechanical movement. 2,507,664, May 16.

Dudenbostel, Bernard F., Jr.: *See*—
Heigl, John J., Black, and Dudenbostel.

Dudenbostel, Bernard F., Jr., Linden, N. J., assignor to Standard Oil Development Company. Determination of aromatics in hydrocarbon mixtures. 2,527,121, Oct. 24.

Dudis, Charles G.: *See*—
Chollar, Robert G., and Dudis.

Dudley, Clarence, assignor of one-half to J. F. Francis, Breckenridge, Tex. Pipe beveling machine. 2,501,893, Mar. 28.

Dudley, Frank E., Philadelphia, Pa., and H. K. Dudley, Chicago, Ill. Tube expander. 2,524,164, Oct. 3.

Dudley, Harold K.: *See*—
Dudley, Frank E. and H. K.

Dudley, James R., Cos Cob, Conn., assignor to American Cyanamid Company, New York, N. Y. Triallyl cyanurate and insecticidal compositions containing the same. 2,510,564, June 6.

Dudley, James R., Cos Cob, Conn., assignor to American Cyanamid Company, New York, N. Y. Furfural condensation products. 2,515,116, July 11.

Dudley, James R., Cos Cob, Conn., assignor to American Cyanamid Company, New York, N. Y. Processes of producing fluid purification materials and products thereof. 2,521,664, Sept. 5.

Dudley, James R., Cos Cob, Conn., assignor to American Cyanamid Company, New York, N. Y. Synthetic resins prepared from ketone condensation products. 2,522,668, Sept. 19.

Dudley, James R., Cos Cob, Conn., assignor to American Cyanamid Company, New York, N. Y. Resinous composition suitable for anion exchange. 2,529,142, Nov. 7.

Dudley, James R., Darien, Conn., assignor to American Cyanamid Company, New York, N. Y. Reaction products of an aldehyde and a triazine derivative. 2,524,727, Oct. 3.

Dudley, James R., Darien, Conn., assignor to American Cyanamid Company, New York, N. Y. Copolymers of unsaturated sulfonic acids and polyunsaturated compounds. 2,527,300, Oct. 24.

Dudley, James R., Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Anion exchange resins. 2,525,480, Oct. 10.

Dudley, James R., Darien, and J. A. Anthes, Springdale, Conn., assignors to American Cyanamid Company, New York, N. Y. Reaction products of dicyandiamide with an amine-formaldehyde reaction product. 2,497,073, Feb. 14.

Dudley, James R., Darien, and J. A. Anthes, Springdale, Conn., assignors to American Cyanamid Company, New York, N. Y. Modified urea-formaldehyde resins and preparing the same. 2,497,074, Feb. 14.

Dudley, John C., assignor to Chrysler Corporation, Highland Park, Mich. Door seal. 2,513,789, July 4.

Dudley, Leslie P. C. J., Twickenham, assignor to Stereoptics Limited, London, England. Making stereoscopic X-ray photographs. 2,521,154, Sept. 5.

Dudley, Lyman, Tucumcari, N. Mex. Fishing lure. 2,519,236, Aug. 15.

Duel Message Clock Co., assignee: *See*—
Perry, Arthur S.

Duell, Edith B., Sharpsburg, Pa. Dispensing container. 2,510,389, June 6.

Duennebier, Fred C.: *See*—
Dickey, Joseph B., and Duennebier.

Duer, John E., Elgin, assignor to The Creamery Package Mfg. Company, Chicago, Ill. Bottle filler valves. 2,501,764. Mar. 28.

Duer, Morris J.: *See*—
Richardson, David A., Robinson, Martin, and Duer.

Duerr, Carl F., Jr., Gates Mills, Ohio. Electric cord reeling mechanism. 2,506,583, May 9.

Duester, Hans J., assignor to himself and J. Major, Chicago, Ill. Grinding flat coil spring bands and a work holder therefor. 2,511,700, June 13.

Dufay-Chromex Limited, assignee: *See*—
May, George.

Du Fay, Earl E., Chicago, Ill. Spray nozzle for paints and the like. 2,527,093, Oct. 24.

Duff, Jack E., Canton, assignor to The Hoover Company, North Canton, Ohio. Electrostatic heating. 2,507,964, May 16.

Duff, John C. M., Springfield Gardens, assignor of one-half to J. Davie, Long Island City, N. Y. Heater. 2,533,881, Dec. 12.

Duff, Richard D.: *See*—
Johnson, John R., and Duff.

Duff, T. H., Dallas, Tex. Dispensing system for liquefied gases. 2,516,761, July 25.

Duff, Walter J., Ilford, assignors to G. W. F. Richards, Chigwell, and D. H. King, London, England. Liquid fuel burning apparatus with access means. 2,515,640, July 18.

Duffey, Dick, La Fontaine, Ind., assignor to the United States of America as represented by the United States Atomic Energy Commission. Distillation apparatus. 2,508,234, May 16.

Duffey, William A., Paterson, N. J. Hoist bracket. 2,530,452, Nov. 21.

Duffield, William A., Windsor, Ontario, assignor, by mesne assignments, to Windfields (1946) Limited, Montreal, Quebec, Canada. Speed varying transmission. 2,498,797, Feb. 28.

Duffin, George F.: *See*—
Kendall, John D., and Duffin.

Duffin, George F., and J. D. Kendall, assignors to Ilford Limited, Ilford, England. Dyestuffs from S-(thiazolyl-2)-thioglycollic acid and preparing same. 2,513,923, July 4.
Duffin, Richard J.: *See*—
Hughes, Ernest S., Agy, and Duffin.
Duffy, Edward W.: *See*—
Nies, Brainard W., and Duffy.
Duffy, George E., Sr.: *See*—
Willing, Joseph E., and Duffy.
Willing, Joseph E., Duffy, and Stevenson.
Duffy, James J., assignee: *See*—
Brownson, George T.
Duffy, Joseph S., Baltimore, Md., assignor to American Brake Shoe Company, Wilmington, Del. Universal coupling. 2,500,277, Mar. 14.
Duffy, Robert E., Buffalo, N. Y. Egg holder with reciprocating cutter. 2,509,630, May 30.
Duffy-Mott Company, Inc., assignee: *See*—
Melnick, Daniel.
Dufilho, Leon G., Shreveport, La. Telescoping pen or pencil. 2,518,128, Aug. 8.
Dufilho, Leon G., Shreveport, La. Magnetic compass. 2,529,764, Nov. 14.
Dufond, Edmond R. J., Sao Paulo, Brazil. Ring spinning apparatus. 2,499,342, Feb. 28.
Du-For, Denis W., Chicago, Ill. Bathroom spray, 2,504,506, Apr. 18.
Dufour, Leon, Geneva, Switzerland. Coupling mechanism for connecting the rear end of a tractor mounted power plant to a trailer device. 2,515,991, July 18.
Dufour, Maurice F.: *See*—
Hills, Robert C., and Dufour.
Dufour, Raymond J., Wheaton, Ill. Gas range testing plate. 2,519,237, Aug. 15.
Dufresne, Joseph E., Beaconsfield, Quebec, Canada. Rodding machine. 2,515,953, July 18.
Dugan, Thomas L., Sioux City, Iowa. Electrical booster starting system. 2,521,969, Sept. 12.
Dugas, Joseph J., assignor to Higgins Industries, Inc., New Orleans, La. Mixing machine. 2,513,012, June 27.
Duggan, Archie W., assignee: *See*—
Duggan, Florence G.
Duggan, Florence G., Los Angeles, Calif., assignor, by decree of distribution, to A. W. Duggan. Shirt collar support. 2,521,970, Sept. 12.
Duggan, Richard E.: *See*—
Wikkenhauser, Gustav, Adams, Cook, and Duggan.
Duhaime, Edward J., Brooklyn, N. Y. Knot and rope instruction board. 2,505,279, Apr. 25.
Duhaime, Edward J., Brooklyn, assignor to Robert S. and Robert F. Rodier, copartners, doing business as Hudson Molded Products, White Plains, N. Y. Dustpan. 2,515,117, July 11.
Duhnkrack, George H., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Intercommunicating telephone system. 2,530,943, Nov. 21.
Duinker, Daniel M., and J. G. W. Mulder, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Self-protecting electric discharge device. 2,504,310, Apr. 18.
Duis, Glenn A., and K. W. Hermann, assignors to Anthony Company, Streator, Ill. Gate. 2,502,079, Mar. 28.
Duitman, Anna C., assignee: *See*—
Bechmann, August A.
Duke, Marshall: *See*—
Fortess, Fred, and Duke.
Duke, Samuel, Chicago, Ill. Motor attachment for wheel chairs. 2,495,573, Jan. 24.
Duke, Stephen M., Birmingham, England. Combined insulator and metallic clamping support. 2,519,827, Aug. 22.
Duke, Vernon J., Rockville Center, N. Y., assignor to Radio Corporation of America. Signal translating system. 2,505,732, Apr. 25.
Duke, Vernon J., Rockville Centre, N. Y., assignor to Radio Corporation of America. Voltage control circuits. 2,516,556, July 25.
Duke, Vernon J., Rockville Centre, and E. D. Goodale, New Rochelle, N. Y., assignors to Radio Corporation of America. Biased diode wave shaping circuit. 2,519,238, Aug. 15.
Duket, Henry T., Toledo, Ohio. Multiple jaw jar cap wrench. 2,524,434, Oct. 3.
Duket, John J., Toledo, Ohio. Line-tightener means. 2,501,214, Mar. 21.
Dulak, John T.: *See*—
Pawelsky, Vernon R., McCarty, Biermann, and Dulak.
Du-Lite Chemical Corporation, assignee: *See*—
Verner, Harry G., and Wood.
Dulity, Nicholas M., Los Angeles, Calif. Colon irrigating device. 2,494,088, Jan. 10.
Dulken, Charles F., Montclair, D. Oberreit, Ridgewood, and H. Sonntag, Newark, N. J., said Oberreit and said Sonntag assignors to said Dulken. Yarn conditioning device. 2,510,390, June 6.
Dulli, Hermann G., Hamilton, Ohio. Cutting tool. 2,534,759, Dec. 19.
Dulmage, Frederick E., Saginaw, and G. W. Cheney, assignors to The Dow Chemical Company, Midland, Mich. Gear pump for metering and extruding hot organic thermoplastics. 2,515,201, July 18.
Dulrae Limited, assignee: *See*—
Musgrave, Joseph L., and Lewis.
Dulson, Arthur W., assignee: *See*—
Sharratt, John G. and A. G.
Du Lude, Miriam A., St. Paul, Minn. Support for garment hangers. 2,498,400, Feb. 21.
Duma, Stephen, Temecula, Calif. Setting and releasing emergency footbrake mechanism. 2,530,759, Aug. 29.
Du Mais, Leo J.: *See*—
Heck, John T., Du Mais, and Talbot.
Duman, Louis R., assignee: *See*—
Epstein, Hirsch E.
Freeman, Ernest H.
Dumanois, Emile P., Boulogne-Billancourt, and L. Poincaré, assignors, by mesne assignments, to Office National d'Etudes et de Recherches Aeronautiques (O. N. E. R. A.), Paris, France. Two-cycle low-boiling fuel injection engine. 2,535,532, Dec. 26.
Dumas, Francois U., Spencer, Mass. Perforated combustion tube oil burner having atmospheric air draft inducing means. 2,494,991, Jan. 17.
Dumas, Jean, Chicago, Ill. Paintbox. 2,515,703, July 18.
Dumas, Jean, Chicago, Ill. Painter's easel. 2,524,898, Oct. 10.
Dumas, Walter L., Miami, Okla. Portable auxiliary seat for automobiles. 2,493,806, Jan. 10.
Dumble, William H., Bakersfield, Calif. Washover, cutter, and fish removing tool. 2,501,319, Mar. 21.
Dumbleton, Claude, and D. Gunston, Westwood Works, assignors to Baker Perkins Limited, Peterborough, England. Conveyer oven. 2,501,765, Mar. 28.
Dumelin, Charles, Detroit, Mich. Ankle coupling for paralytic feet. 2,525,658, Oct. 10.
Dumford, Harry A., Greene County, Ohio. Cattle stanchion. 2,499,819, Mar. 7.
Du Mont, Allen B., Upper Montclair, N. J., P. Raibourn, Southport, Conn., and T. T. Goldsmith, Jr., Cedar Grove, assignors to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Projection screen. 2,521,571, Sept. 5.
Du Mont, Allen B., Laboratories, Inc., assignee: *See*—
Berkeley, Carl.
Bernard, Herbert.
Beste, Harold E.
Du Mont, Allen B., Raibourn, and Goldsmith.
Huffman, Charles E.
Kasperowicz, Henry.
Kline, Melvin B., and Christaldi.
Koch, Stanley J.
Koch, Stanley J., and Rutherford.
McCord, Willis I.
Patremio, Salvatore R.
Ruston, John.
Ware, Paul.
Ware, Paul, and Bernard.
Dumont, Francois P. J. H., Jambes, Belgium. Arrangement for the control of a variable-speed mechanism. 2,529,379, Nov. 7.
Dunakin, Paul H., Wheaton, and F. B. Korb, Downers Grove, Ill. Ink drier for printing presses. 2,499,572, Mar. 7.
Dunaway, Frank, Cowden, Ill. Feeding arm for hay balers. 2,496,524, Feb. 7.
Dunbar, James Y., U. S. Navy. Shock wave trap for multiple combustion chamber reso-jet motors. 2,525,782, Oct. 17.
Dunbar, James Y., W. Schubert, and N. R. Hussey, U. S. Navy. High capacity, low inertia check valve for jet propulsion motors. 2,505,757, May 2.
Dunbar, Richard F., assignor to Bendix Aviation Corporation, Elmira Heights, N. Y. Starter gearing for internal-combustion engines. 2,536,002, Dec. 26.
Duncan, Daniel M., assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif. Safety stop for drum travel. 2,502,710, Apr. 4.
Duncan, Edward T., Jacksonville, Ill. Windshield deicing apparatus. 2,533,000, Dec. 5.
Duncan Electric Manufacturing Company, assignee: *See*—
Green, Stanley S.
Paine, Louis A.
Paine, Louis A., and Road.
Road, Richard A.
Duncan, Everett S., El Cerrita, Calif. Fishing reel. 2,498,987, Feb. 28.
Duncan, George R., Washington, Mo. Milking system and apparatus therefor. 2,498,401, Feb. 21.
Duncan, George R., Washington, Mo. Milking and handling the milk of farm animals. 2,512,094, June 20.
Duncan, Harold D., Danville, Ind. Amusement device. 2,499,470, Mar. 7.
Duncan, Julian J., Garden City, assignor to Western Electric Company, Incorporated, New York, N. Y. Portable fluid applicator with controlled feed. 2,530,234, Nov. 14.
Duncan, Lane, Los Angeles, Calif. Internal-combustion engine piston. 2,512,739, June 27.
Duncan, Laura B., Miami, Fla. Counting and printing mechanism. 2,506,072, May 2.
Duncan, Lyle L.: *See*—
Culver, Merlyn M., and Duncan.
Duncan, Morris C., Russellville, Ky. Roll supporting typewriter attachment. 2,512,200, June 20.
Duncan Parking Meter Corporation, assignee: *See*—
Starts, Albert.

Duncan, Robert C.: *See*—
Kissinger, Lewis E., Duncan, Ellison, and Turlay.

Duncan, Robert K., Mount Ephraim, N. J., assignor to Radio Corporation of America. Electrodynamic hand-microphone of the pressure gradient type. 2,520,714, Aug. 29.

Duncan, Theodore R., North Hollywood, assignor to Mattel Creations, Inc., Culver City, Calif. Musical instrument having pluckable teeth. 2,493,119, Jan. 3.

Duncan, Theodore R., North Hollywood, assignor to Mattel Creations, Inc., Culver City, Calif. Melody comb. 2,504,666, Apr. 18.

Duncan, Thomas P., Jr., Newport News, Va. Device for holding flowers. 2,513,461, July 4.

Duncan, William M., Alton, Ill. Sintering machine. 2,519,179, Aug. 15.

Dundon, Edward C., Paso Robles, Calif. Simulated pocket handkerchief. 2,513,154, June 27.

Duner Company, assignee: *See*—
Duner, Sven.

Duner, Sven, assignor to Duner Company, Chicago, Ill. Shielded water closet. 2,532,763, Dec. 5.

Dungan, James C., St. Cloud, Fla. Fishing float. 2,525,067, Oct. 10.

Dungler, Julien, Basel, Switzerland. Nozzle member used for the drying of textile and other materials. 2,492,974, Jan. 3.

Dungler, Julien, Basel, Switzerland. Tentering or like machine for drying cloth or other material. 2,495,163, Jan. 17.

Dungler, Julien, Basel, Switzerland. Reservoir forming roller device for cloth dyeing and like machines. 2,511,625, June 13.

Dungler, Julien, Basel, Switzerland. Automatic clip for tentering machines. 2,515,399, July 18.

Dungler, Julien, Basel, Switzerland. Control device for cloth-finishing machines. 2,524,520, Oct. 3.

Dungler, Julien, Basel, Switzerland. Tenter. 2,530,118, Nov. 14.

Dungler, Julien, Basel, Switzerland. Tentering machine. 2,530,119, Nov. 14.

Dungler, Julien, Basel, Switzerland. Calender, including upper and lower rollers with improved guiding and lifting means for central roller means. 2,533,724, Dec. 12.

Dunham, George S., Plainfield, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Apparatus for gas-solid contacting. 2,493,235, Jan. 3.

Dunham, James A., Los Angeles, Calif. Humidifying system for internal-combustion engines. 2,533,438, Dec. 12.

Dunham, Le Roy S., East Orange, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Air-depolarized cell. 2,514,480, July 11.

Dunham, Thomas M., Aurora, Ill. Shelf and divider assembly and spring clip anchoring means therefor. 2,500,309, Mar. 14.

Dunipace, Donald W., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Apparatus for bending glass sheets. 2,500,278, Mar. 14.

Dunk, Dunmore W.: *See*—
Atlee, Zed J., and Dunk.

Dunkelberger, Milton S., assignor to The American Display Company, Dayton, Ohio. Trap. 2,525,533, Oct. 10.

Dunkle, Robert V.: *See*—
Boelter, Llewellyn M. K., Dunkle, Gier, and Martinelli.

Dunkley, Melville E., Modesto, Calif. Treating fruit juice. 2,500,670, Mar. 14.

Dunkley, Melville E., Modesto, Calif. Preserving animal fats. 2,504,507, Apr. 18.

Dunlap, Charles E.: *See*—
Boyer, Warren G., and Dunlap.

Dunlap, Charles K., Hartsville, S. C., assignor to Sonoco Products Company. Bobbin. 2,495,058, Jan. 17.

Dunlap, Henry L.: *See*—
Nampa, Sulo M., Tobin, and Dunlap.

Dunlap, Hobert M., assignor to The Sparks-Withington Company, Jackson, Mich. Table top refrigerator with elevating interior. 2,518,764, Aug. 15.

Dunlap, Hobert M., assignor to The Sparks-Withington Company, Jackson, Mich. Refrigerator assembly. 2,524,655, Oct. 3.

Dunlap, Hobert M., assignor to The Sparks-Withington Company, Jackson, Mich. Two-temperature table top refrigerator. 2,534,546, Dec. 19.

Dunlap, Lucy W., Belton, Mo. Making garments. 2,508,331, May 16.

Dunlap, Ralph L., Jr., Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Isomerization of secondary aralkyl phenols. 2,514,347, July 4.

Dunlap, Thomas C., Jr., Nashville, Tenn. Reflex camera having built-in diaphragm control means. 2,504,011, Apr. 11.

Dunlavey, Robert J., assignor to Ampro Corporation, Chicago, Ill. Projector lens mounting with adjusting and locking means. 2,496,448, Feb. 7.

Dunlee Corporation, assignee: *See*—
Atlee, Zed J., and Dunk.

Dunlevy, Joe H.: *See*—
Blake, Frank W., and Dunlevy.

Dunlop, Andrew P., Riverside, and P. R. Stout, Chicago, Ill., assignors to The Quaker Oats Company. Ammonium thiocyanate-aldehyde-furfuryl alcohol resins. 2,526,643, Oct. 24.

Dunlop, Andrew P., Riverside, and P. R. Stout, Chicago, Ill., assignors to The Quaker Oats Company. Aldehyde-ammonium thiocyanate-furfuryl alcohol resins. 2,526,644, Oct. 24.

Dunlop, Andrew P., Riverside, and E. L. Washburn, Wilmette, Ill., assignors to The Quaker Oats Company. Resinous condensation products of furylethylene derivatives and aldehydes. 2,527,714, Oct. 31.

Dunlop, Richard D., Texas City, Tex., assignor to Monsanto Chemical Company, St. Louis, Mo. Preparing emulsions of water wet polyvinyl acetal resins. 2,504,667, Apr. 18.

Dunlop Rubber Company Limited, assignee: *See*—
Bulgin, Douglas.
Butler, Henry J.
Lacey, Bernard W. D., and Willcocks.
Trevaskis, Henry.
Trevaskis, Henry W.

Dunlop Tire and Rubber Corporation, assignee: *See*—
Crabbe, John D., and Harper.
Daw, Reginald F., and Fletcher.
Dibdin, Thomas J. R.
Illingworth, James W.
Illingworth, James W., and Madge.
McChesney, Cuyler S.
Willshaw, Harry.

Dunmore, Francis W., Rockville, Md., and H. Lyons, Washington, D. C. Collapsible multicorner reflector for ultra high frequency radiant energy. 2,498,660, Feb. 28.

Dunn, Albert, and O. C. Eiland, Mount Rainier, Md. Mowing apparatus. 2.514.278, July 4.

Dunn, Allen I., Hollywood, assignor to S & D Engineering Company, Glendale, Calif. Valve-seat grinding means. 2,525,119, Oct. 10.

Dunn, Allen P., Phoenix, Ariz. Saxophone mouthpiece. 2,494,231, Jan. 10.

Dunn, Andrew C., Chicago, Ill. Forging. 2,494,935, Jan. 17.

Dunn, Cecil G.: *See*—
Morrill, Weston, Dunn, and Ward.

Dunn, Cecil G., Pittsfield, Mass., and B. L. Johnson, Jr., Scotch Plains, N. J., assignors to General Electric Company. Selective grain growth of silicon steel. 2,528,216, Oct. 31.

Dunn, Clarence F., Seattle, Wash. Spinning type casting reel. 2,525,289, Oct. 10.

Dunn, Clarence L., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Purification of crude acrolein by rectified absorption. 2,514,968, July 11.

Dunn, Digby S., Mildura, Victoria, Australia. Holder for tools. 2,527,713, Oct. 31.

Dunn, Emanuel T.: *See*—
Smith, Elmer V., and Dunn.

Dunn, Ernest A., Long Beach, Calif. Automatic shutoff valve. 2,528,822, Nov. 7.

Dunn, George E., assignor to Universal Products Company Incorporated, Dearborn, Mich. Constant velocity joint. 2,509,969, May 30.

Dunn, Guy A., Oakland, assignor to California Packing Corporation, San Francisco, Calif. Seeding apparatus. 2,529,727, Nov. 14.

Dunn, Harold E., assignor, by mesne assignments, to P. E. Dunn, Santa Barbara, Calif. Collapsible play pen. 2,523,422, Sept. 26.

Dunn, Henry, Detroit, Mich. Lathe attachment. 2.516,305, July 25.

Dunn, Henry, Detroit, Mich. Printing mask. 2,534,961, Dec. 19.

Dunn, Holbert E., Crafton, H. W. Rathmann, Pittsburgh, Pa., and H. C. Parkman, Niagara Falls, assignors to Vanadium Corporation of America, New York, N. Y. Pouring metals and products produced thereby. 2,493,394, Jan. 3.

Dunn, Jesse T., Charleston, W. Va., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Purification of fatty acid esters. 2,524,899, Oct. 10.

Dunn, John R., South Groveland, Mass., and B. M. Smith, East Point, Ga., assignors to Western Electric Company, Incorporated, New York, N. Y. Conveyer system. 2,526,856, Oct. 24.

Dunn, John W., Alhambra, Calif. Venetian blind supporting means. 2,493,234, Jan. 3.

Dunn, Joseph A., assignee: *See*—
Ekblom, Olaf E.

Dunn, Joseph B.: *See*—
Muzzey, Clifford L., and Dunn.

Dunn, Joseph E., Imperial, Pa., assignor, by mesne assignments, to Crown Cork & Seal Company, Inc., Baltimore, Md. Bottle filling machine. 2,528,644, Nov. 7.

Dunn, Linwood G.: *See*—
Shea, Robert P., Jarosch, Dunn, and Love.

Dunn, Pearl E., assignee: *See*—
Dunn, Harold E.

Dunn, Roland H.: *See*—
McWhirter, Eric M. S., Dunn and Lennox.

Dunn, Roland H., and P. W. Lennox, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Circuit arrangement for electric discharge devices. 2,498,986, Feb. 28.

Dunn, Roland H., and P. G. Pearce, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Universal electronic code sender. 2,502,443, Apr. 4.

Dunn, Roscoe H., Bloomington, Ill. Cleansing nozzle attachment for toilet bowls. 2,504,257, Apr. 18.
Dunn, Stephen M., assignee: *See*—
Sopris, Robley F.
Dunn, Stephen M., Los Angeles, Calif. Apparatus for inserting bolts into concrete. 2,504,311, Apr. 18.
Dunn, Ted E.: *See*—
Robinson, David H., and Dunn.
Dunn, Ulysses S., Milwaukee, Wis. Dual welder. 2,511,050, June 13.
Dunn, Vernon E., Alliance, Ohio, assignor to The Dexter Company, Fairfield, Iowa. Washing machine drive mechanism. Re. 23,296, Nov. 28.
Dunn, William C.: *See*—
Denneen, Francis S., and Dunn.
Dunn, William E., Westwood, Colo. Mixer cabinet. 2,527,407, Oct. 24.
Dunn, William J., Winnetka, Ill., and R. R. Richolt, Tujunga, Calif., assignors, by mesne assignments, to General American Transportation Corporation, Chicago, Ill. Collapsible brace. 2,517,183, Aug. 1.
Dunn, William L., Glenview, Ill., assignor to Belmont Radio Corporation. Signal-seeking tuner. 2,499,573, Mar. 7.
Dunn Woolen Company, assignee: *See*—
Wageley, Tevis R.
Dunne Rubber Company, assignee: *See*—
Fulton, Alfred C.
Dunnegan, Edward E., Newport, Ark. Toy rubber band pistol. 2,508,235, May 16.
Dunnell, William W., Jr.: *See*—
Bradford, Leonard R., Dunnell, Jr., and McAvinney.
Dunning, Elmer D., Roselle, N. J. Automatic steering device for boats and planes. 2,499,471, Mar. 7.
Dunning, Robert M., assignor to Waldorf Paper Products Company, St. Paul, Minn. Carton pouring spout. 2,509,289, May 30.
Dunning, Sanford F., Glen Ellyn, Ill., assignor to American Telephone and Telegraph Company. Device for timing telephone calls. 2,509,489, May 30.
Dunsdon, Harry L., Edgeley, N. Dak. Harrow lift device. 2,502,835, Apr. 4.
Dunstan, George E., assignee: *See*—
Kiss, Ernest J., and Brown.
Dunstan, Thomas W., assignor to Walker Brothers (Wigan) Limited, Wigan, England. Hydraulically adjustable vehicle body. 2,493,236, Jan. 3.
Dunston, Earl E., assignee: *See*—
Vanderhoofven, Leonard, Sr.
Dunton, Frank E., Plattsburg, assignor, by mesne assignments, to The Diamond Match Company, New York, N. Y. Web roll backstand. 2,508,566, May 23.
Dupeyron, Madeleine, née Junca, Paris, France. Telescopic stand for photographic cameras. 2,496,165, Jan. 31.
Duplan Corporation, The, assignee: *See*—
Cochran, John K.
Hasler, Albert A., and Pfister.
Dupler, Raymond R., Toledo, Ohio. Globe mounting. 2,511,770, June 13.
Dupler, Raymond R., Toledo, Ohio. Illuminated globe mounting. 2,515,400, July 18.
Dupler, Raymond R., Toledo, Ohio. Illuminated globe structure. 2,515,401, July 18.
Duplessis, René E., Beverly, assignor to United Shoe Machinery Corporation, Boston, Mass. Firing control for multiple gun mounts. 2,527,715, Oct. 31.
Duplex Walls, Inc., assignee: *See*—
Shuter, Edwin.
Duplin, Victor J., Jr.: *See*—
Norton, Charles L., Jr., and Duplin.
Du Pont, E. I., de Nemours & Company, assignee: *See*—
Abernathy, Henry H., and Scott.
Alderson, Witty L., Jr.
Amos, Stephen E., and Jeffrey.
Andrews, James F.
Armstrong, Noel.
Arnold, Harold W.
Bacon, Osborne C.
Ball, Joseph A.
Ball, Joseph A., Jennings and Murray.
Banigan, Thomas F.
Barney, Arthur L.
Barrick, Paul L., Handy, and Schreiber.
Barrick, Paul L., and Pavlic.
Barrows, Robert S.
Barry, Arthur W.
Beachell, Harold C.
Bechtold, Max F.
Benson, Richard E.
Berry, Kenneth L.
Biswell, Charles B., and Sayers.
Blake, Ralph K.
Boller, Ernest R., Eubank, and Littler.
Bolton, Elmer K.
Bolton, Elmer K., and Kirk.
Booge, James E.
Borcherdt, Gerald T., and Rothrock.
Bordner, Charles A.
Bordner, Charles A., and Kamin.
Boudreau, Girard E.
Bousquet, Euclid W., Cochran and Krister.
Bradley, Harris W.
Branan, Wiley M., and Holmes.
Du Pont, E. I., de Nemours & Company, assignee: *See*—Continued.
Brizzolara, Alfred A.
Brooks, Richard E.
Brubaker, Merlin M.
Brubaker, Merlin M., and Jacobson.
Brubaker, Merlin M., Roland, and Peterson.
Bruner, Walter M.
Bryant, Harold W.
Bryden, John H.
Burk, Robert E.
Burk, Robert E., and Stamatoff.
Burke, William J.
Burke, William J., and Hoffman.
Burrows, Lawton A., and Herring.
Cadot, Henry M.
Cairns, Theodore L., Larchar, and McKusick.
Campbell, Donald J., and Lefson.
Carson, Boyce G.
Casassa, Edward F.
Cass, Oliver W.
Castle, John E.
Catlin, Willard E., and Howk.
Chadwick, Albert F.
Chance, Franklin S., Jr.
Chandler, Carroll F.
Chapman, Aurelius F.
Charch, William H.
Charch, William H., Hare, and Signaigo.
Clem, Willis J., and Plunkett.
Coffman, Donald D.
Coffman, Donald D., and Lontz.
Coffman, Donald D., and Maynard.
Coffman, Donald D., Salisbury, and Scott.
Compton, John D., Justice, and Irwin.
Conaway, Rollin F., and Hitt.
Cooper, Joseph H.
Coopey, Walter.
Copeland, Norman A.
Copelin, Harry B.
Cox, Norman L.
Craven, Robert L.
Cupery, Martin E.
Daniels, George H.
Davis, Eugene L., Jr.
Deinet, Joseph
Dirnberger, Lawrence A.
Dorough, George L.
Dreyling, Alfred, and Johnson.
Edgar, Donald E., and Winberg.
Elliott, John F.
Ellis, Linus M.
Elston, Arthur A.
Ernsberger, Maurice L.
Ernsberger, Maurice L., and Pinkney.
Farlow, Mark W.
Fennell, Francis L.
Field, Edmund.
Fieser, Louis F., and Schroeder.
Filbert, William F.
Firestine, John C.
Flenner, Albert L.
Foster, Robert E.
Franklin, Richard C.
Galbraith, Robert, and Short.
Gladding, Edward K.
Glick, Charles F., and Nicholes.
Goddin, Avery H., and Searle.
Gowing, Daniel M., Langdon, and Selby.
Graham, Boynton.
Gray, Allen G.
Gray, Hugh W.
Gray, Hugh W., and Latham.
Gresham, William F.
Gresham, William F., and Brooks.
Gresham, William F., Brooks, and Bruner.
Gresham, William F., and Grigsby.
Gresham, William F., and Schweitzer.
Gribbins, Myers F.
Gubelmann, Ivan.
Gulledge, Hugh C.
Hager, Glenn F.
Hamilton, George E.
Hanford, William E.
Hanford, William E., and Joyce.
Hansley, Virgil L.
Hare, Weston A.
Hare, Weston A., and Signaigo.
Harmon, Jesse.
Harris, Charles R.
Hartig, Martyal J. P.
Hauser, Paul M.
Hinegardner, Wilbie S.
Hochberg, Seymore.
Hoehm, Harvey H.
Hoffman, William A.
Hofrichter, Charles H., Jr.
Holbrook, George E.
Hoover, Fred W.
Hopkins, John H., and White.
Howk, Benjamin W., and Farlow.
Howk, Benjamin W., and Plambeck.
Howk, Benjamin W., and Whitman.

Du Pont, E. I., de Nemours & Company, assignee: *See*— Continued.
Hull, Donald R., Phillips, and Tate.
Hull, Richard O.
Hume, Harold F.
Hunt, Madison, and Bradley.
Iler, Ralph K.
Izard, Emmette F.
Jacobson, Henning W.
Jacobson, Ralph A.
Jelinek, Arthur G.
Jenner, Edward L.
Jennings, Alfred J., and Luzena.
Jennings, Andrew B.
Johnson, Charles C., and Thomas.
Johnson, John R.
Johnston, Frederick L., and Pease.
Joyce, Robert M., Jr.
Keller, Edwin H.
Kent, Robert E.
Killian, Donald B.
Kirby, James E.
Kirk, William, Jr.
Kirk, William, Jr., Schreiber, and Whitman.
Klein, David X.
Kralovec, Robert D.
Krchma, Ignace J.
Krchman, Ignace J., and Schaumann.
Kvalnes, Donovan E., and Carson.
Kvalnes, Donovan E., and Walling.
Langkammerer, Carl M.
Langkammerer, Carl M., and Pratt.
Lapple, Walter C.
Larchar, Arthur W.
Larson, Alfred T.
Larson, Alfred T., Loder, and Dittmar.
Larson, Alfred T., and Weber.
Laughlin, Edwin R., and Foulk.
Lee, Donald D., and Sparacino.
Lee, Henry R., and Belcher.
Lee, Henry R., and Weinmayr.
Leekley, Robert M.
Lemke, Charles H.
Littler, Clarence A.
Linville, Robert G.
Lockwood, William H.
Loder, Donald J.
Loder, Donald J., and Gresham.
Londergan, Thomas E.
Lubs, Herbert A., Wirth, Spiegler, and Bridgman.
MacDonald, Robert N.
Magat, Eugene E.
Maier, Robert E.
Marks, Barnard M.
Martin, Elmore L.
McKinney, Robert M.
McMillan, Donald.
McQueen, David M.
Meuly, Walter C.
Middleton, Edmund B.
Miles, John B.
Moffett, Walter K.
Morgan, Paul W.
Morgan, Russell.
Murray, Otis W.
Myers, Lee A.
Nicoll, William D.
O'Leary, Daniel K.
Olson, Carl M., and Booge.
Osdal, Le Verne K., and Pike.
Pavlic, Albert A.
Payne, Willard A.
Pease, Donald C.
Pickens, John D.
Pikl, Josef.
Pinkney, Paul S.
Pratt, Burt C.
Prichard, William W.
Prichard, William W., and Whitman.
Pyle, Cyrus, and Lane.
Ray, Linton G., Jr.
Remington, Ward J.
Renfrew, Malcolm M.
Richards, John C.
Richards, Lawrence M.
Richardson, Allan S., Jr.
Robbins, Gordon B.
Roberts, John B., Gage, and Brautcheck.
Robertson, James A.
Robinson, William D.
Roedel, Milton J.
Romilly, Llewellyn E.
Rosenberg, Hans R., and Croco.
Salisbury, Leroy F.
Sanders, Philip F.
Sauer, John C., and Wilkinson.
Schaumann, Holger H.
Scheiderbauer, Robert A.
Schmidt, Edgar H.
Schmidt, Edgar H., and Cossaboon.
Scott, George W.
Scott, Norman D., and Rogers.
Scott, Samuel L.
Searle, Norman E.
Searle, Norman E., and Flenner.

Du Pont, E. I., de Nemours & Company, assignee: *See*— Continued.
Seney, John S.
Sharkey, William H.
Short, Oliver A.
Signaigo, Frank K.
Smith, Francis H.
Smutz, Walter D.
Sorenson, Ben E.
Stanton, William A.
Stilmar, Frederic B.
Strain, Daniel E.
Strain, Daniel E., and Peterson.
Sturgis, Bernard M., and Trepagnier.
Sturgis, Bernard M., and Verbanc.
Sullivan, David J.
Sveda, Michael.
Terry, Daniel H., and Croco.
Theobald, Clement W.
Thomas, John C.
Thompson, Dorothy D.
Thompson, Henry T.
Torrence, Maynard F.
Trepagnier, Joseph H.
Tullock, Charles W.
Tyran, Leo W.
Upson, Robert W.
Vinal, Leroy W.
Vincent, John R.
Walker, Isaac F.
Walker, Joseph F.
Walker, Joseph F., and Mooney.
Weaver, Clay.
Webb, Irving D.
Webb, Myron Q.
Weber, Arthur G., and Bell.
Weinmayr, Viktor.
Wentz, William M.
Werner, Alfred J.
Wertz, James H.
Wherrett, William N.
White, Deane R., and Meschter.
White, Jesse O.
Whitman, Gerald M.
Wiley, Richard H.
Williams, Jonathan W., and Williamson.
Wilson, Joseph D. C., II.
Wingate, Phillip J., and Ranck.
Woodell, Rudolph.
Woodward, David W.
Woodward, Harold E.
Young, James H.
Zwilgmeyer, Frithjof.

Du Pont, Eleuthere P., Montchanin, Del. Vehicle supported tool and wheel drive control thereby. 2,500,168, Mar. 14.

Du Pont, Richard C., deceased, Granogue, by Wilmington Trust Company, executor, Wilmington, Del., assignor to All American Airways, Inc. Shock absorbing method and apparatus for air pickup systems and the like. 2,505,707, Apr. 25.

Du Pont, William J., Toledo, Ohio. Cutting and scraping instrument. 2,507,402, May 9.

Dupre, Francis C.: *See*— Faudree, Joseph H., and Dupre.

Duprey, Henry P., Astoria, N. Y., assignor to Burndy Engineering Company, Inc. Coaxial cable connection. 2,536,003, Dec. 26.

Duprie, Joseph W., assignee: *See*— Meese, Derald E.

Dupuy, Joseph E., East Cleveland, Ohio, assignor to General Electric Company. Circular lighting fixture. 2,525,022, Oct. 10.

Duquette, Edward J., Sommersworth, N. H. Automatic saw sharpening machine. 2,519,748, Aug. 22.

Dura-Bond, Incorporated, assignee: *See*— Langford, George W. and G. R.

Dura-Clip Co., assignee: *See*— Mayer, Louis G., and Neel.

Duran, Felix, Earl, Colo. Air vent. 2,493,861, Jan. 10.

Durand, Zenobe, Winnipeg, Manitoba, Canada. Marine type rice harvester. 2,526,812, Oct. 24.

Durant, Walter W., Old Greenwich, and W. A. Blann, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Sugar purification process. 2,522,022, Sept. 12.

Durbin, Robert T.: *See*— Durbin, Votaw S. and R. T.

Durbin, Votaw S., Webster Groves, Mo. Load binder. 2,512,491, June 20.

Durbin, Votaw S., Webster Groves, and R. T. Durbin, St. Louis County, Mo. Load binding device. 2,500,488, Mar. 14.

Durden, Ray, assignee: *See*— Fraley, Early P.

Durdin, Augustus C., III, assignor to Geo. D. Roper Corportion, Rockford, Ill. Positive displacement rotary pump. 2,531,726, Nov. 28.

Durey, Clarence M., University Heights, and F. Maynard, Cleveland, Ohio. Stiffening for garments. 2,531,843, Nov. 28.

Durez Plastics and Chemicals, Inc., assignee: *See*— Searer, Jay C., Shepard, and Less.
Shepard, Alvin F., and Bolney.

Durfee, Benjamin M., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Dividing machine. 2,493,862, Jan. 10.
Durgin, Charles B., and R. N. Foster, Anniston, Ala., assignors to Monsanto Chemical Company, St. Louis, Mo. Sodium potassium pyrophosphates and producing same. 2,511,249, June 13.
Durion Company, Inc., The, assignee: *See*—
Henderson, Ashland S., Slowter, and Gonser.
Jack, Delbert E.
Jack, Delbert E., Williamson, and Schenck.
Jacobsen, Oystein.
Schenck, Robert C.
Durkee, Henry E. Manchester, assignor to Niles-Bement-Pond Company, West Hartford, Conn. Lathe work driver. 2,493,574, Jan. 3.
Duro-Persian Mfg., Inc., assignee: *See*—
Unger, Abraham.
Du Rose, Arthur H., Euclid, and P. W. Moy, assignors to The Harshaw Chemical Company, Cleveland, Ohio. Electrodeposition of nickel. 2,524,010, Sept. 26.
Durrschmidt, Frederick J., Shelton, Conn. Commutator. 2,533,775, Dec. 12.
Durst, George, assignor to Metals & Controls Corporation, Attleboro, Mass. Making electrical contacts. 2,501,164, Mar. 21.
Durst, John A., Jr., Mountain View, Calif. Fireplace grill. 2,523,200, Sept. 19.
Durup, Paul H., Wollaston, assignor to J. D. Ramsey, Watertown, Mass. Hinge-holding mechanism. 2,526,209, Oct. 17.
Duryea, O. C., Corporation, assignee: *See*—
Simonson, Sigvard.
Duschinsky, Robert, Essex Fells, assignor to Hoffmann-La Roche Inc., Nutley, N. J. Diamines and production. 2,514,380, July 11.
Du Shane, Wallace H., Waterloo, assignor to Deere Manufacturing Co., Dubuque, Iowa. Draft or hitch connection. 2,522,215, Sept. 12.
Du Shane, Wallace H., Waterloo, assignor to Deere Manufacturing Co., Dubuque, Iowa. Vehicle radiator grille assembly. 2,534,425, Dec. 19.
Duske, Arthur C., New York, N. Y., and R. H. Reiss, Deal, N. J., assignors to Reiss Manufacturing Corporation, Wilmington, Del. Pressing garment seams. 2,498,258, Feb. 21.
Duskin, Morris L., Evanston, Ill. Luggage cover. 2,532,154, Nov. 28.
Dussaussoy, Pierre, Paris, France, assignor to Compagnie Generale De Telegraphie Sans Fil. Hermetic sealing of an evacuated enclosure, applying in particular to the luminescent discharge tubes. 2,528,217, Oct. 31.
Dustan, Frank, Fitchburg, Mass., assignor to National Lead Company, New York, N. Y. Hydraulic apparatus for pulsating the diaphragms of pulp mill screens. 2,524,964, Oct. 10.
Dustman, Otto L., Tucson, Ariz. Metal brace for sawhorses. 2,533,776, Dec. 12.
Dutch, Emery, New York, N. Y. Double-acting slide fastener. 2,508,147, May 16.
Dutcher, Harris A., Bartlesville, Okla., assignor to Phillips Petroleum Company. Production of styrene and halogenated styrene. 2,501,382, Mar. 21.
Dutcher, Harris A., Bartlesville, Okla., assignor to Phillips Petroleum Company. Hydrocarbon conversion in pebble heaters. 2,532,613, Dec. 5.
Dutra, Frank A.: *See*—
Carmer, Bertram H., Jr., and Dutra.
Dutrey, André, Montrouge, France. Roto-volumetric pump. 2,501,998, Mar. 28.
Dutson, Keith J. F., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Producing high purity normal heptane. 2,494,335, Jan. 10.
Dutterer, Rex J. L., assignor to Hastings Manufacturing Company, Hastings, Mich. Spark plug. 2,497,158, Feb. 14.
Dutton, Charles F., Rocky River, Ohio. Projecting lantern having interchangeable lenses. 2,512,314, June 20.
Dutton, Charles F., Rocky River, Ohio. Transparency holder for projection lanterns. 2,521,506, Sept. 5.
Dutton, Harry A., Jr., assignee: *See*—
Hess, Robert G.
Dutton-Lainson Company, assignee: *See*—
Green, Harold C.
Zaroban, Richard F.
Duus, Ray, U. S. Navy, Beverly Hills, Calif. Navigational plotting device. 2,506,584, May 9.
Duvall, William H., Houston, and A. L. Barnard, Ganado, Tex. Trailer coupling. 2,494,799, Jan. 17.
Duwe, Albert J.: *See*—
Wagner, Robert S., and Duwe.
Duzmal, Michael J., South Chicago, Ill. Egg sheller. 2,506,073, May 2.
Dvonch, William: *See*—
Mehltretter, Charles L., and Dvonch.
Dvorak, Ann K., New York, N. Y. Convertible features for stuffed dolls and animals. 2,496,152, Jan. 31.
Dvorak, Joseph T., assignor of one-half to C. H. Anderson, Davenport, Iowa. Cornstalk cutter and macerator. 2,513,155, June 27.
Dvornikoff, Michael N., assignor to Monsanto Chemical Company, St. Louis, Mo. Production of quinoxaline. 2,521,287, Sept. 5.
Dvornikoff, Michael N., assignor to Monsanto Chemical Company, St. Louis, Mo. Insecticidal compositions comprising heat-treated hexaethyl tetraphosphate. 2,531,354, Nov. 21.
Dvornikoff, Michael N., St. Louis, and H. L. Morrill, Clayton, assignors to Monsanto Chemical Company, St. Louis, Mo. Manufacture of tetraethyl pyrophosphate. 2,523,613, Sept. 26.
Dwelle, Thomas W., Visalia, Calif. Rotational speed governor. 2,533,564, Dec. 12.
Dwinell, Charles L., Kansas City, Mo. Illuminated advertising device. 2,514,599, July 11.
Dwyer, Dennis H., Detroit, Mich. Apparatus for clearing tubes in the head. 2,516,762, July 25.
Dwyer, George F., Branford, Conn. Floor-sanding apparatus. 2,508,452, May 23.
Dwyer, Jonal J., Detroit, Mich., assignor, by mesne assignments, to The Yale & Towne Manufacturing Company, Stamford, Conn. Rate of load change measuring instrument. 2,505,237, Apr. 25.
Dwyer, Martin, Hewlitt, and C. M. Tsang, Freeport, assignors to Aerial Products, Inc., Merrick, N. Y. Launchor discharging equipment for signaling. 2,505,950, May 2.
Dwyer, Martin, Hewlett, and R. Anzalone, Baldwin, N. Y. Hand-operated rocket type device for signaling and other purposes. 2,519,123, Aug. 15.
Dwyer, William J., assignor to J. I. Case Company, Racine, Wis. Corn picker. 2,527,802, Oct. 31.
Dyal, Gilford E., assignor of one-fourth to G. E. Hancock and one-fourth to H. C. Mills, San Antonio, Tex. Stenciling machine. 2,499,472, Mar. 7.
Dybvig, Edwin S., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus for window mounting. 2,498,661, Feb. 28.
Dyche, Howard E., Jr.: *See*—
Ferguson, John S., and Dyche.
Dyczynski, Elena: *See*—
Dyczynski, Karol T. and E.
Dyczynski, Karol T. and E., Rahway, N. J. Slide guide drawing adapter. 2,515,954, July 18.
Dyer, Alvin C., Shaker Heights, assignor to The Electric Controller & Manufacturing Co., Cleveland, Ohio. Control means for dynamic braking. Re. 23,312, Dec. 26.
Dyer, Alvin C., Shaker Heights, assignor to The Electric Controller & Manufacturing Co., Cleveland, Ohio. Control means for dynamic braking. 2,497,492, Feb. 14.
Dyer, Bernard C., Pittsford, N. Y. Angle bracket for ladders. 2,498,944, Feb. 28.
Dyer, Bert D., Seattle, Wash. Tree holder. 2,531,117, Nov. 21.
Dyer, Catharine J., South Orange, N. J. Combined cosmetic distributing and applicator device. 2,509,631, May 30.
Dyer, Colver P., Winchester, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Manufacture of melamine and condensation products thereof. 2,499,373, Mar. 7.
Dyer, Colver P., Winchester, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Manufacture of melamine and resinous products therefrom. 2,500,489, Mar. 14.
Dyer, Heyward J., Los Angeles, Calif. Gas and liquid separator. 2,515,202, July 18.
Dyer, James J., Toronto, Ohio. Apparatus for extruding hollow cylindrical bodies. 2,503,230, Apr. 4.
Dyer, John B., assignor to Easy Washing Machine Corporation, Syracuse, N. Y. Vacuum breaker. 2,502,211, Mar. 28.
Dyer, Lloyd W., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Inertia trip for circuit breakers. 2,508,148. May 16.
Dyk, Simon, Manhattan, Mont. Cable tensioning device. 2,498,603. Feb. 21.
Dyke, Joseph L., Norfolk, Va. Automatic valve. 2,509,085, May 23.
Dyken, Charles P., Saukville, Wis. Rotary printing and distributing means. 2,528,123, Oct. 31.
Dykman Manufacturing Corporation, assignee: *See*—
Dykman, Reinhold W., and Haubroe.
Dykman, Reinhold W., and C. A. Haubroe, assignors, by mesne assignments, to Dykman Manufacturing Corporation, Baltimore, Md. Flexible coupling. 2,496,702, Feb. 7.
Dymeck, Lewis G., Williamsport, Pa. Bar bell. 2,508,567, May 23.
Dymond, James E.: *See*—
Whitlock, Robert A., Jr., and Dymond.
Dynamatic Corporation, assignee: *See*—
Hayes, Charles T.
Jaeschke, Ralph L., and Winther.
Dysart, Birney, Florham Park, Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Regulator circuit. 2,521,507, Sept. 5.
Dysart, Lawrence S., Knoxville, Tenn., assignor to Robertshaw-Fulton Controls Company. Compound regulator. 2,515,765, July 18.
Dysart, Palmer, Phoenix, Ariz. Positioning stop for toilet flush valve arms. 2,512,924, June 27.
Dyson, Ernest F.: *See*—
Blakeslee, Clinton A., Balanda, and Dyson.
Dyson, Eugene E., and W. H. McCormick, New Britain, Conn. Rethreader. 2,495,318, Jan. 24.

Dyson, James, Rugby, England, assignor to General Electric Company. Automatic maximizing control system. 2,499,182, Feb. 28.

Dzus, William, assignee: *See*— Jones, Stewart H.

Dzus, William, West Islip, N. Y. Adjustable fastener receptacle. 2,499,574, Mar. 7.

Dzus, William, West Islip, N. Y. Fastening device. 2,506,953, May 9.

Dzus, William, West Islip, N. Y. Fastening device. 2,511,051, June 13.

Dzus, William, West Islip, N. Y. Fastening device. 2,513,553, July 4.

Dzus, William, West Islip, N. Y. Fastening device. 2,527,408, Oct. 24.

E. A. Laboratories, Inc., assignee: *See*— Aufiero, John M.

EGA Electric Limited, assignee: *See*— Kilminster, George.

Eaby, Le Roy, assignor to Armstrong Cork Company, Lancaster, Pa. Mixing apparatus. 2,495,241, Jan. 24.

Eaby, Le Roy, assignor to Armstrong Cork Company, Lancaster, Pa. Calender roll. 2,498,662, Feb. 28.

Eadie, Edward M., Jr.: *See*— Lamb, Anthony H., and Eadie, Jr.

Eagan, William A., Glen Rock, N. J. Sheet feeding mechanism for billing machines. 2,530,156, Nov. 14.

Eagle, John H., assignor to Eastman Kodak Company, Rochester, N. Y. Focusing mechanism for lens mounts. 2,518,671, Aug. 15.

Eagle, John H., and H. P. Caudle, assignors to Eastman Kodak Company, Rochester, N. Y. Filter holder for projectors. 2,503,714, Apr. 11.

Eagle Lock Company, The, assignee: *See*— Aspenwall, Carl, Smith, and Mathis.

Eagle, Manny, Brooklyn, N. Y. Apparel monogram attachment. 2,530,453, Nov. 21.

Eagle Manufacturing Company, assignee: *See*— Baehr, Herman W.

Eagle Pencil Company, assignee: *See*— Chesler, Isidor.
Grieco, Joseph R.

Eagle-Picher Company, The, assignee: *See*— Fay, Samuel C.

Eaglin, Harold G., Oak Park, Ill. Adjustable drapery cornice. 2,513,628, July 4.

Eaker, Charles M.: *See*— Drake, Nathan L., and Eaker.

Eakin, John E., and N. S. Wallace, Calgary, Alberta, Canada. Conveyer and chute combined with swingably mounted measuring hopper. 2,523,562, Sept. 26.

Eames, Walter R., Warren Township, Macomb County, Mich., assignors to Eaton Manufacturing Company, Cleveland, Ohio. Pump. 2,531,808, Nov. 28.

Eames, William F., Westfield, N. J., assignor, by mesne assignments, to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,501,320, Mar. 21.

Eames, William F., Westfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Emergency electrical control device. 2,512,315, June 20.

Earhart, Charles H., assignor of one-fourth to D. L. Gebhart, Danville, Ill. Photographic camera. 2,533,099. Dec. 5.

Earhart, Harold W., assignor to Beech Aircraft Corporation, Wichita, Kans. Operating mechanism for high lift devices for airplanes. 2,502,315, Mar. 28.

Earhart, Kenneth A., Baltimore, Md., assignor to U. S. Industrial Chemicals, Inc., New York, N. Y. Trialkyl silane derivative of ricinoleic acid ester. 2,496,340, Feb. 7.

Earl, Allan G., South Farnborough, assignor to Power Jets (Research and Development) Limited, London, England. Apparatus for supporting combustion in fast-moving air streams. 2,520,388, Aug. 29.

Earl, John R., Reno, Nev., E. M. Hartmann, Speckels, and R. A. McGinnis, and O. P. W. Bernhardt, Woodland, assignors to Spreckels Sugar Company, San Francisco, Calif. Photoelectric automatically balancing polariscope. 2,503,808, Apr. 11.

Earl, Paul D., Malone, N. Y., assignor, by mesne assignments, to The Cambridge Rubber Company. Boot with welted sole construction. 2,500,937, Mar. 21.

Earl Realty Company, assignee: *See*— Tom, John E.

Earle, Clarence E., Washington, D. C., and C. A. Covington, Arlington County, Va. Coupling. 2,521,701, Sept. 12.

Earle, Guyon L. C., Forest Hills, assignor, by mesne assignments, to Earle Kitchen Unit Corporation, New York, N. Y. Article rack for drawers. 2,498,402, Feb. 21.

Earle, Guyon L. C., Forest Hills, assignor, by mesne assignments, to Earle Kitchen Unit Corporation, New York, N. Y. Refrigerator assembly. 2,515,766, July 18.

Earle Kitchen Unit Corporation, assignee: *See*— Earle, Guyon L. C.

Earle, Ralph H., Wauwatosa, Wis., assignor to McGraw Electric Company. Combined lightning arrester and fuse construction. Re. 23,293, Nov. 14.

Earle, Ralph H., Wauwatosa, Wis., assignor to McGraw Electric Company. Circuit interrupting device. 2,524,101, Oct. 3.

Earle, Ralph H., Wauwatosa, and R. H. Amundson, Milwaukee, Wis., assignors to McGraw Electric Company. High-voltage circuit interrupter. 2,521,155, Sept. 5.

Earley, Robert W., Burlington, Vt., and E. S. Wegman, East Longmeadow, Mass., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Dispensing apparatus. 2,497,718, Feb. 14.

Earley, Walter D., Brooklyn, assignor of one-half to J. M. Lehrfeld, New York, N. Y. Combined chair and ladder. 2,505,607, Apr. 25.

Early, Cecil, assignee: *See*— Early, James A.

Early, Harold C.: *See*— Dow, William G., Early, and Gomberg.

Early, James A., San Pedro, assignor of one-half to J. H. Early and C. Early, Los Angeles, Calif. Emergency packing. 2,518,980, Aug. 15.

Early, James H., assignee: *See*— Early, James A.

Early, Paul F., Dayton, Ohio, assignor to Standard-Thomson Corporation. Light filter. 2,510,873, June 6.

Early, Paul F., assignor to Standard-Thomson Corporation, Dayton, Ohio. Magnetic device for transmitting movement through a solid wall. 2,522,815, Sept. 19.

Early, Paul F., Dayton, Ohio, assignor to Standard-Thomson Corporation. Mounting for lamps. 2,526,070, Oct. 17.

Early, Robert E., Wharton, assignor of one-half to J. C. Locke, Wharton County, Tex. Nut cracker with a reciprocating jaw. 2,521,050, Sept. 5.

Earnest, Harry A., St. Petersburg, Fla., assignor to G. C. Lythgoe, Detroit, Mich. Locking means for speedometer drive shafts. 2,519,828, Aug. 22.

Earp, Charles W., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Radio direction finder. 2,502,131, Mar. 28.

Earp, Charles W., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Frequency changing circuits particularly for the reception of ultra-short electromagnetic waves. 2,512,614, June 27.

Earp, Charles W., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Pulse radar system for detecting moving objects. 2,517,549, Aug. 8.

Earp, Charles W., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Electrical multivibrator circuits. 2,517,550, Aug. 8.

Earp, Charles W., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Superregenerative receiver for electromagnetic waves. 2,520,136, Aug. 29.

Earp, Charles W., and R. M. Godfrey, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Radio-position indicating system. 2,512,615, June 27.

Earp, Charles W., and C. E. Strong, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Radio navigational system. 2,521,702, Sept. 12.

Earp, Howard G., Silver Spring, Md. Push-pull diode detector. 2,509,337, May 30.

Earp-Thomas, George H., Glen Ridge, N. J. Activated composter. 2,535,627, Dec. 26.

Eash, George H., Toledo, Ohio. Helmet mounted loudspeaker. 2,497,871, Feb. 21.

Easley, Charles H., assignor of one-half to G. R. Easley, Chula Vista, Calif. Combination luggage carrier, tandem seat, and basket. 2,498,663, Feb. 28.

Easley, Gerald R., assignee: *See*— Easley, Charles H.

Easley, John K.: *See*— Aitchison, Thomas C., and Easley.

Eason, Barton H., McRae, Ga. Jacket for maternity dresses. 2,522,023, Sept. 12.

Eason, Clarence M., assignor to Industrial Clutch Corporation, Waukesha, Wis. Centrifugal clutch. 2,534,426, Dec. 19.

East, Jack K., and S. G. English, Oak Ridge, Tenn., assignors to the United States of America as represented by the United States Atomic Energy Commission. Ionization chamber. 2,496,123, Jan. 31.

Easterday, Loris E., Fulton, Ind. Tip-up for ice fishing. 2,530,864, Nov. 21.

Eastern Air Devices, Inc., assignee: *See*— Ross, Saul H.

Eastern Clay Products, Inc., assignee: *See*— Barlow, Thomas E.
Grube, Kenneth R.
Keyser, Naaman H.

Eastern Engineering & Sales, Inc., assignee: *See*— Kendig, James E.

Eastern Industries, Incorporated, assignee: *See*— Barker, John L.
Nagel, George A.

Eastern Tool & Mfg. Co., assignee: *See*— Anderson, Carl E.
Elwell, George H.

Eastern Tool & Stamping Co., Inc., assignee: *See*— Damon, Gardner M.

Eastin, Rolly R., Detroit, Mich. Combination toothbrush and paste holder. 2,507,250, May 9.
Eastman, du Bois, Scarsdale, assignor to The Texas Company, New York, N. Y. Manufacturing hydrogen and carbon monoxide. 2,523,284, Sept. 26.
Eastman, Fred C., Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Mechanical brake for gun mounts. 2,518,531, Aug. 15.
Eastman, Fred C., Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Articulated fairing. 2,530,571, Nov. 21.
Eastman, Howard W., San Francisco, Calif. Tag applying method and machine. 2,503,809, Apr. 11.
Eastman Kodak Company, assignee: *See*—
Allen, Charles F. H., and Burness.
Altman, Fred E.
Altman, Fred E., and Blash.
Askren, Lee T.
Austin, Kirby B.
Bancroft, George H.
Barkey, Kenneth T., and Mench.
Bean, Frederic R.
Bean, Frederic R., and Donovan.
Bell, Alan.
Bing, Herbert A., and Wolfe.
Blaber, Michael P. W.
Bliss, Lester E.
Brimer, Marshall R.
Brimer, Marshall R., Magoffin and Von Bramer.
Brooker, Leslie G. S., and Keyes.
Brooker, Leslie G. S., and Sprague.
Brooker, Leslie G. S., and White.
Caldwell, John R.
Capstaff, John G.
Carroll, Burt H., and Spence.
Carver, Emmett K.
Clemens, Milton L., and Magoffin.
Clutz, Charles W., and Young.
Coover, Harry W., Guillet, and Dickey.
Coover, Harry W., Stanin, and Dickey.
Coover, Harry W., Jr., and Dickey.
Coover, Harry W., Jr., Stanin, and Dickey.
Cortright, Robert E.
Crapsey, Arthur H., Jr., and Van Dyck.
Damschroder, Rudolph E., and Gates, Jr.
Dean, David, and Houck.
Dent, Samuel G., Jr., and Brooker.
Dickey, Joseph B.
Dickey, Joseph B., Bowman and Stuckwisch.
Dickey, Joseph B., and Coover.
Dickey, Joseph B., and Coover, Jr.
Dickey, Joseph B., and Duennebier.
Dickey, Joseph B., and Loria.
Dickey, Joseph B., and McNally.
Dickey, Joseph B., and Stanin.
Dreywood, Roman P.
Eagle, John H.
Eagle, John H., and Caudle.
Ernisse, Paul J.
Estes, Cameron B.
Ewald, William P.
Fairbanks, Henry N.
Fallesen, George E.
Fallesen, George E., and Spence.
Fierke, Scheuring S., and Barclay.
Fitch, Harold L.
Fordyce, Charles R., and Gramkee.
Frame, Gordon F.
Fuerst, Carl C.
Galbreath, Paul J.
Gardner, Thomas S.
Gates, John W., Jr., and Huse.
Gearhart, William M., and Broyles.
Gearhart, William M., and McAmis.
Glasoe, Paul K., and Dean.
Glass, Dudley B., and Richey.
Glass, Dudley B., Vittum, and Weissberger.
Gresham, Donald C.
Griggs, William H., and Fowler, Jr.
Haelen, John C.
Hagemeyer, Hugh J., Jr.
Hale, Joseph B.
Hanson, Wesley T., Jr., and Richey.
Harrison, Henry.
Harvey, Douglass C.
Hedberg, David G., Jr.
Hendel, Kenneth A.
Hickman, Kenneth C. D.
Hincke, William B., and Malm.
Hodges, Howard T.
Hopkins, Roy S.
Horton, William H.
Houck, Robert B.
Hughey, Carter J.
Hull, David C.
Hull, David C., and Snodgrass.
Hutchison, Miller R., Jr.
Ives, Charles E.
Jasper, John W.
Jelley, Edwin E.
Johnson, Merriam E., and Warren.
Keith, Garland B.
Kenyon, William O., and Unruh.
Kenyon, William O., Unruh, and Fowler.
Eastman Kodak Company, assignee: *See*—Continued.
Kenyon, William O., Unruh, and Laakso.
Keyes, Grafton H.
Keyes, Grafton H., and Brooker.
Kickman, Kenneth C. D.
Kingslake, Rudolf.
Knott, Edward B.
Knott, Edward B., and Morgan.
Koch, George J.
Leavitt, Roger P., and White.
Lee, Charles M.
Lee, Charles M., and Barringer.
Litten, Walter, Aklin, and Altman.
Lowe, Wesley G., and Allen.
Lowe, Wesley G., and Jones.
Luboshez, Benjamin E.
Magoffin, James E., and Vance.
McFarlane, John W., and Moses.
McLean, Eric K., and Ives.
Mench, John W.
Merriman, William E.
Meyer, Lester W. A.
Mihalyi, Joseph.
Mihalyi, Joseph, and Ward.
Mitson, Charles H., and Loening
Mix, Irving L.
Morey, Leon P.
Moss, William R.
Murray, Alexander.
Nadeau, Gale F., and White.
Perry, Edmond S.
Pike, Merle E., and Lane.
Pittman, Valerie P.
Pool, Stephen C.
Pribus, Clarence W.
Quaife, Mary L.
Reed, Henry G., and Beasley.
Reiss, Max.
Reynolds, Delbert D., and Kenyon.
Robeson, Charles D., and Eddinger.
Rodgers, John A.
Ruggles, Albert C.
Salminen, Ilmari F., and Weissberger.
Sawdey, George W.
Sawdey, George W., and Vittum.
Schade, Willy.
Schubert, Alvin E.
Silberstein, Hedwiga R., and Carroll.
Simmons, Arthur B.
Smith, Lawrence W.
Speck, Robert P.
Sprague, Robert H.
Sprague, Robert H., and Brooker.
Staehle, Henry C.
Stauffer, Robert E.
Stoiber, Joseph.
Stone, Herbert G.
Sun, Kuan-Han.
Sun, Kuan-Han, and Callear.
Sun, Kuan-Han, Callear, and Scharf.
Sun, Kuan-Han, and Huggins.
Teal, Eric F., and Davey.
Thompson, Russell G.
Thomson, Kenneth W.
Towne, Edmund B., and Dickey.
Tucker, William M., and Flint.
Tuttle, Clifton M.
Tuttle, Clifton M., and Brown.
Van Lare, Earl, and Brooker.
Van Zandt, Gertrude, and Brooker.
Vittum, Paul W.
Wallace, Roger W., and Ernisse.
Waller, Fred.
Weisler, Leonard.
Weissberger, Arnold.
Weissberger, Arnold, Vittum, and Edens.
White, Frank L., and Brooker.
Wilder, Lot S., and Brannock.
Williams, Franklin C.
Williams, Franklin C., and Brown.
Wittel, Otto.
Wittel, Otto, and Jungjohann.
Wolff, Frederick J., Jr.
Wood, Donald L., and Aklin.
Woodward, Robert N.
Yackel, Edward C.
Young, D'Arcy A., Jr.
Young, Richard V.
Yule, John A. C.
Yutzey, Henry C., and Frame.
Eastman Machine Company, assignee: *See*—
Clark, Frederick G.
Stevenson, Charles P., and Ulrich.
Eastman, Nels H., Detroit, Mich. Clothesline support. 2,511,052, June 13.
Eastman Oil Well Survey Company, assignee: *See*—
Gammill, Roy C.
Jackson, Gordon.
Livingston, Herman G.
Wright, Stanley.
Easton, Nelson R.: *See*—
Mozingo, Ralph, Folkers, and Easton.
East Rutherford Syringes, Inc., assignee: *See*—
Kolodny, Samuel, and Micci.

Eastwood, Sylvander C., Woodbury, and R. D. Drew, Wenonah, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Conducting chemical reactions. 2,513,294, July 4.

Eastwood, Sylvander C., Woodbury, and R. D. Drew, Wenonah, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Apparatus for contacting gases with granular solids. 2,513,995, July 4.

Easy Washing Machine Corporation, assignee: *See*— Dyer, John B.

Eatman, Josephine N., St. Augustine, Fla. Form fitting heating pad. 2,497,443, Feb. 14.

Eaton Appliance Corporation, assignee: *See*— Eaton, Charles F.

Eaton, Belden H., Allison Park, Pa. Internally cleaning bearings of engines. 2,493,120, Jan. 3.

Eaton, Carl J.: *See*— Cipriani, Chester, and Eaton. Cipriani, Chester, Robinson, and Eaton.

Eaton, Charles F., Salem Depot, assignor to Eaton Appliance Corporation, Salem, N. H. Headrest for operating tables. 2,509,086, May 23.

Eaton, Elmer F., Aberdeen, Md. Personalized ice cube molder. 2,514,942, July 11.

Eaton, Ernest E., Berrien Springs, assignor to Clark Equipment Company, Buchanan, Mich. Fluid drive with synchronizing clutch and control therefor. 2,512,853, June 27.

Eaton, Ernest E., assignor to Clark Equipment Company, Buchanan, Mich. Synchronizer. 2,519,032, Aug. 15.

Eaton, Frederic N., Pasadena, Calif. Tractor lift. 2,505,639, Apr. 25.

Eaton, John, Schenectady, N. Y., assignor to General Electric Company. Selective condition control. 2,497,663, Feb. 14.

Eaton, John, Schenectady, N. Y., assignor to General Electric Company. Selective variable condition control. 2,505,388, Apr. 25.

Eaton Manufacturing Company, assignee: *See*— Barkan, Louis R., and Anderson. Beatty, Robert D., Jr. Bitzer, Fred. Eames, Walter R. Findley, Howard J. Hedlund, Oscar. Hoern, Joseph H. Oldberg, Sidney. Russell, Robert C. Shaw, Clarence W. Voorhies, Harry E. Witchger, Eugene S.

Eaton, Milton, and W. E. Barker, Shawinigan Falls, Quebec, assignors to Shawinigan Chemicals Limited, Montreal, Quebec, Canada. Gaseous reaction furnace and controller. 2,521,207, Sept. 5.

Eaton, Morton F.: *See*— Snyder, William R., and Eaton.

Eaton Stamping Company, assignee: *See*— Hamman, Lyle J.

Eaton, Walter A., assignee: *See*— Rostock, Christian L.

Eaton, Wilfred A., Oakville, Conn., assignor, by mesne assignments, of one-half to Ex-Cell-O Corporation, Detroit, Mich., and one-half to a group comprising A. C. Fessenden and Ace Carton Corporation, Chicago, Ill. Hermetically sealed end closure for containers. 2,521,208, Sept. 5.

Eaton, Wilfred A., assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio. Compressor valve control mechanism. 2,533,777, Dec. 12.

Eaton, Wyman, assignor to Freyn Engineering Company, Chicago, Ill. Nonclogging bin structure. 2,521,156, Sept. 5.

Eavenson & Levering Company, assignee: *See*— Angus, Everett N., Creely, and Fischer.

Eaves, Hubert H., San Mateo, assignor to Eitel-McCullough, Inc., San Bruno, Calif. Electron tube having annular electrodes. 2,496,003, Jan. 31.

Eaves, John, Jr., and J. C. Jones, Bremen, Ga. Harrow elevating and transporting trailer. 2,496,153, Jan. 31.

Eaves, Robert B., Philadelphia Pa. Controllable pitch propeller. 2,513,156, June 27.

Ebauches S. A., assignee: *See*— Haidegger, Hans.

Ebberts, Avery R., Los Angeles, Calif. Applicator. 2,522,216, Sept. 12.

Ebbets, George D., Kenilworth, assignor to The Babcock & Wilcox Company, Rockleigh, N. J. Vapor generator. 2,515,443, July 18.

Eber, Leonard K., Pittsfield, Mass., assignor to General Electric Company. Condensation product of furfural and monohydroxy benzenes. 2,507,199, May 9.

Eberhard, Everett, Haddonfield, N. J., assignor to Radio Corporation of America. Pulse amplitude discrimination. 2,496,909, Feb. 7.

Eberhard, Everett, Haddonfield, N. J., assignor to Radio Corporation of America. Flip-flop counter circuit. 2,533,001, Dec. 5.

Eberhardt, Daniel A., St. Louis, Mo. Adjustable joint for expansible frames. 2,504,188, Apr. 18.

Eberhardt, Herman, Fairlawn, assignor to Van Vlaanderen Machine Company, Paterson, N. J. Embossing machine drive. 2,530,425, Nov. 21.

Eberhardt, John E.: *See*— Dougherty, Robert S. A., and Eberhardt.

Eberhart, Arthur H., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Window mounted air-conditioning unit. 2,519,085, Aug. 15.

Eberhart, Arthur H., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Window mounted air-conditioning unit. 2,519,086, Aug. 15.

Eberhart, John M., Punxsutawney, Pa. Sanitary liner for incubator trays. 2,529,284, Nov. 7.

Eberl, James J., Bound Brook, and W. L. George, South Bound Brook, N. J., assignors to Johnson & Johnson. Hemostatic alginic surgical dressings. 2,512,616, June 27.

Eberle, Harold W.: *See*— Martin, Lawrence B., Eberle, and Fengel.

Eberly, Kenneth C., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Vinyl chloride resin compositions. 2,514,185, July 4.

Eberly, Kenneth C., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Vapor phase polymerization of butadiene with sodium. 2,514,203, July 4.

Ebert Engineering and Manufacturing Company, assignee: *See*— McKinney, Norman.

Ebert, Howard P.: *See*— Maurer, Spencer B., and Ebert.

Ebert, Joseph F., assignee: *See*— McKinney, Norman.

Ebert, Louis J., Little Valley, N. Y. Separable tire rim. 2,532,764, Dec. 5.

Ebert, Ludwig, New York, assignor to Einson-Freeman Co., Inc., Long Island City, N. Y. Package device for shipping and displaying articles, and display mantle therefor. 2,502,561, Apr. 4.

Ebert, Ludwig, New York, N. Y., and R. Benchley, Jr., New Canaan, Conn., assignors to Einson-Freeman Co., Inc., Long Island City, N. Y. Collapsible cardboard display device. 2,530,950, Nov. 21.

Ebert, Michael S.: *See*— Rogers, Louis F., and Ebert.

Ebert, Walter, assignor to Tri-Clover Machine Co., Kenosha, Wis. Lift plug valve. 2,529,544, Nov. 14.

Ebert, William F., Rutledge, Pa. Voice input control system. 2,497,075, Feb. 14.

Ebling, Paul, assignee: *See*— Best, Charles L. Ecklund, Joseph E.

Eby, Hugh H., Inc., assignee: *See*— Wanner, Louis R.

Eby, Lawrence T.: *See*— Jasion, Leo Z., and Eby.

Eby, Lawrence T., Roselle, N. J., assignor to Standard Oil Development Company. Mineral oil composition and additive therefor. 2,523,100, Sept. 19.

Ecco High Frequency Electric Corp., assignee: *See*— Capita, Emil R., and Feehan.

Echard, Marcel, Neuilly-sur-Seine, France. Two-stroke multicylinder engine. 2,506,142, May 2.

Echols, Samuel T., Jr.: *See*— Echols, Samuel T., Sr., and S. T. Echols, Jr.

Echols, Samuel T., Sr., and S. T. Echols, Jr., St. Louis, Mo. Sirup dispensing pump. 2,519,640, Aug. 22.

Echter, David, and E. B. Paul, assignors to The Echter-Paul Corporation, New Haven, Conn. Cutting rounded glass blanks. 2,508,017, May 16.

Echter-Paul Corporation, The, assignee: *See*— Echter, David, and Paul.

Ecke, Harold R., Presidio, Tex. Starching attachment for clothes wringers. 2,513,629, July 4.

Eckel, Arthur F., assignor to Illinois Tool Works, Chicago, Ill. Telemetering device for testing surfaces. 2,509,185, May 23.

Eckel, Charles E., Scarsdale, and A. Silver, New York, N. Y. Cabinet having foldable supporting means. 2,521,572, Sept. 5.

Eckel, John E., and M. R. Jones, assignors to Oil Center Tool Company, Houston, Tex. Wellhead assembly. 2,532,662, Dec. 5.

Eckel, John F., Schenectady, and R. Gillis, Snyder, assignor to Western Electric Company, Incorporated, New York, N. Y. Cable manufacturing apparatus. 2,499,853, Mar. 7.

Eckener, Erwin H., New York, assignor to Heli-Coil Corporation, Long Island City, N. Y. Locking screw thread insert. 2,512,316, June 20.

Ecker, Louis, Chicago, Ill. Cleaning device having a brush and flanking sponge and squeegee elements. 2,518,765, Aug. 15.

Ecker, Murray F., Huntington Park, assignor to Pacific Pumps, Inc., Los Angeles, Calif. Fluid-operated pump. 2,497,348, Feb. 14.

Eckert, Ernst R. G., Patterson Field, Ohio. Air conditioning apparatus for high-speed aircraft. 2,503,250, Apr. 11.

Eckert, George W.: *See*— Knowles, Edwin C., Eckert, and Puryear.

Eckert, Samuel B., Haverford, Pa. Wobbler drive mechanism. 2,513,083, June 27.

Eckhardt, William A., assignor to The Clogg Company, Baltimore, Md. Sign display frame. 2,533,778, Dec. 12.

Eckles, Jesse F., Porterville, Calif. Wheel support with power actuated clamping means. 2,530,572, Nov. 21.
Ecklund, Joseph E., assignor of one-quarter to P. Ebling, Minneapolis, and one-quarter to E. Pollard, Welcome, Minn. Body dumping vehicle. 2,513,554, July 4.
Eckman, Donald P.: *See*—
Keegan, James H., and Eckman.
Eckman, Donald P., Ithaca, N. Y., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electric proportioning controller with liquid-operated follow-up. 2,530,157, Nov. 14.
Eckman, Donald P., Philadelphia, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control instrument. 2,514,445, July 11.
Eckman, George E., Oradell, N. J., assignor to American Can Company, New York, N. Y. Filling adapter for grease guns. 2,517,551, Aug. 8.
Eckman, Meril L., Canton, assignor to Republic Steel Corporation, Cleveland, Ohio. Conveyer for removing pipe from galvanizing baths. 2,495,093, Jan. 17.
Eckstein, George R.: *See*—
Catlin, Robert T., and Eckstein.
Eckstein, George R., assignor to Remington Arms Company, Inc., Bridgeport, Conn. Yield strength tester. 2,499,135, Feb. 28.
Eckstein, George R., Milford, assignor to Remington Arms Company, Inc., Bridgeport, Conn. Assembling machine. 2,516,687, July 25.
Eckstein, Karl J., Hamilton, Ohio. Continuous corrugating mechanism. 2,494,431, Jan. 10.
Eclipse Air Brush Co., assignee: *See*—
Downs, Austin H.
Eclipse Fuel Engineering Co., assignee: *See*—
Scharbau, Kurt A., and Stadler.
Stadler, Albert.
Eclipse Fuel Engineering Company, assignee: *See*—
Scharbau, Kurt A., and Stadler.
Eclipse Lawn Mower Co., The, assignee: *See*—
Turner, C. Neal.
Eclipse Sleep Products Inc., assignee: *See*—
Martin, Joseph.
Economic Heating Engineers, assignee: *See*—
Coulbourn, Howard D.
Economic Machinery Company, assignee: *See*—
Carter, Sidney T.
Holm, Carl.
Economics Laboratory, Inc., assignee: *See*—
Borell, George L.
Mendenhall, Elwyn E.
Economous, William, assignor of one-fourth to L. M. Reibstein and one-fourth to H. W. Rupnow, Chicago, Ill. Bolt pointer. 2,535,398, Dec. 26.
Economy Baler Company, assignee: *See*—
Barrows, Alford C.
Economy Forms Corporation, assignee: *See*—
Jennings, William A.
Economy Fuse and Manufacturing Company, assignee: *See*—
Messer, John S., and Davis.
Economy Pumps, Inc., assignee: *See*—
Morey, Carl.
Thomas, Richard H.
Ecusta Paper Corporation, assignee: *See*—
Harrison, Ward D., and Matthews.
Levy, Robert M., and Brennan.
Levy, Robert M., and Harrison.
Edberg, Norman S., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Discharge mechanism for endless conveyers. 2,523,947, Sept. 26.
Edberg, Per: *See*—
Thomas, Albert R., and Edberg.
Edberger, Per, Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Air conditioning apparatus having control means. 2,530,158, Nov. 14.
Eddinger, Clyde C.: *See*—
Robeson, Charles D., and Eddinger.
Eddison, William B., Ardsley-on-Hudson, N. Y., and A. W. Jacobson, New Haven, assignors to The Bristol Company, Waterbury, Conn. Submersible electrical resistance thermometer. 2,499,575, Mar. 7.
Eddison, William B., Irvington, and T. E. King, Hartsdale, N. Y., assignors to Burnham Corporation. Thermostatic control. 2,519,239, Aug. 15.
Eddy, Alfred W., Chicago, Ill. Sectional ladder. 2,517,991, Aug. 8.
Eddy, Clyde W., Berkeley, Calif., assignor to United States of America as represented by the Secretary of Agriculture. Drying fruit or vegetable materials containing added methyl cellulose. 2,496,278, Feb. 7.
Eddy, Edwyn A.: *See*—
Beck, Derwood A., and Eddy.
Eddy, Forrest R., Gary, Ind., assignor to Carnegie-Illinois Steel Corporation. Apparatus for indicating differential speeds of rotating elements. 2,511,104, June 13.
Eddy, John G., St. Paul, Minn. Collapsible card file. 2,524,965, Oct. 10.
Eddy, William C., Michigan City, Ind., assignor to Television Associates, Inc., Chicago, Ill. Kaleidoscopic image projection device. **2,493,237, Jan. 3.**
Eddy, William C., Michigan City, Ind., assignor to Television Associates, Inc., Chicago, Ill. Kaleidoscopic image projector with masking device. 2,493,238, Jan. 3.
Edel, Walter L.: *See*—
Stemmons, Robert, and Edel.
Edel, Walter L., assignor to Clayton & Lambert Manufacturing Company, Detroit, Mich. Generator and heat exchanger in an absorption refrigerator. 2,498,945, Feb. 28.
Edel, Walter L., assignor to Clayton & Lambert Manufacturing Company, Louisville, Ky. Absorber with evaporatively-cooled section. 2,507,624, May 16.
Edel, Walter L., assignor to Clayton & Lambert Manufacturing Company, Detroit, Mich. Circulating means in absorption refrigeration. 2,515,081, July 11.
Edelen, James L., Kirkwood, assignor to Carter Carburetor Corporation, St. Louis, Mo. Carburetor testing device and method. 2,494,936, Jan. 17.
Edell, Russell H., and R. G. Hall, Yalesville, assignors to R. Wallace & Sons Manufacturing Company, Wallingford, Conn. Abrading apparatus. 2,510,565, June 6.
Edelman, Abraham: *See*—
De Giers, Clarence A., and Edelman.
Edelman, Abraham, New York, assignor to The Liquidometer Corporation, Long Island City, N. Y. Circuits for electronic type indicating systems. 2,506,143, May 2.
Edelman, Frank J., New York, N. Y. Automatic rattrap. 2,510,874, June 6.
Edelman, Leonard B., U. S. Navy. Intermittent-firing thermal air jet motor with oscillating flapper valve control. 2,526,645, Oct. 24.
Edelman, Leone P., Chicago, Ill. Bust support for women's wear. 2,510,012, May 30.
Edelmann, E., & Co., assignee: *See*—
Edelmann, Robert B.
McClellan, Raymond H.
Edelmann, Robert B., assignor to E. Edelmann & Co., Chicago, Ill. Flaring tool. 2,526,210, Oct. 17.
Edelsohn, Charles R., assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Compact television receiver antenna. 2,514,992, July 11.
Edelstein, Oscar, Hamden, Conn., assignor to The Pond Lily Company. Moisture-resistant flameproofed product and making same. 2,526,462, Oct. 17.
Eden, William C., East Cleveland, and C. W. Bondurant, Euclid, Ohio. Thermostatic control mechanism. 2,498,988, Feb. 28.
Edens, Charles O.: *See*—
Weissberger, Arnold, Vittum, and Edens.
Edens, Henry N., Freeport, assignor to Fairbanks, Morse & Co., Chicago, Ill. Internal-combustion engine. 2,496,449, Feb. 7.
Edgar, David, Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for performing putting-out or analogous operations on hides or skins. 2,530,573, Nov. 21.
Edgar, Donald E., Westport, Conn., and H. E. Winberg, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Coating compositions, films and making same. 2,507,699, May 16.
Edgar, Robert, Los Angeles, Calif.; R. T. Edgar, administrator of said R. Edgar, deceased, assignor to R. T. Edgar as an individual. Rider-propelled vehicle. 2,510,013, May 30.
Edgar, Robert T., administrator and assignee: *See*—
Edgar, Robert.
Edgerly, Fay H., Flint, Mich. Heated floor construction. 2,512,854, June 27.
Edinborgh, Julius A., Washington, D. C. Remote antenna tuning indicator. 2,504,967, Apr. 25.
Edington, Robert E., assignee: *See*—
Davis, Robert S.
Edison, John S., assignor to Lockheed Aircraft Corporation, Burbank, Calif. Control for fluid-pressure actuated devices. 2,505,887, May 2.
Edison, Thomas A., Incorporated, assignee: *See*—
Cerf, Gustave D.
Clark, Winslow B. M.
Dann, Charles W.
Dann, Charles W., and Somers.
Dietz, John J.
Dunham, Le Roy S.
Fritzinger, George H.
Hornor, Aurelius P.
Jones, Harry S.
Kelly, Frederick G.
Somers, Richard M.
Somers, Richard M., and Weitzer.
Stamper, Willson Y.
Tichenor, Robert L.
Van Camp, Roscoe C.
Zar, Jacob L.
Edixon, John A., Ashtabula, Ohio. Mason's line anchor. 2,523,101, Sept. 19.
Edland, Laurence, Glen Ridge, assignor to Rodic Rubber Corporation, New Brunswick, N. J. Producing stabilized drive belts. 2,535,124, Dec. 26.
Edlen, George G.: *See*—
Bisch, Paul E., Dobbins, and Edlen.
Edling, Gustaf E., Stockholm, assignor to D. Dalin, Ostertalje, Sweden. Magazine furnace and method of burning fuel having a low sintering temperature. 2,504,508, Apr. 18.

Edlund Company, assignee: *See*—
Edlund, Walter W.

Edlund, Henry K., J. G. Monjar, G. R. Shuman, and R. De Tamble, Detroit, Mich., assignors to Tonno-Shield Corporation. Rear seat windshield for convertibles. 2,499,136, Feb. 28.

Edlund, Walter W., assignor to Edlund Company, Burlington, Vt. Can opener support. 2,503,102, Apr. 4.

Edlund, Walter W., South Burlington, assignor to Edlung Company, Burlington, Vt. Can opener. 2,508,106, May 16.

Edmonds, Lee O.: *See*—
Himel, Chester M., and Edmonds.

Edmonds, Verne E., Portland, Oreg. Venetian blind. 2,509,677, May 30.

Edmonds, Verne E., Portland, Oreg. Cotton-picking machine. 2,509,970, May 30.

Edmonds, Verne E., Portland, Oreg. Cotton-picking machine. 2,521,051, Sept. 5.

Edmondson, William, and W. Jones, Oxenhope, Keighley, England. Appliance for the production and administration of gas vapor mixtures. 2,499,734, Mar. 7.

Edmonstone, William M., Hyde Park, Mass. Insect exterminating device. 2,495,366, Jan. 24.

Edmonstone, William M., Hyde Park, Mass. Insect exterminating device. 2,495,367, Jan. 24.

Edmund, James M., Takoma Park, Md. Game missile. 2,509,087, May 23.

Edsall, Lou B.: *See*—
Kilander, Acton K., and Edsall.

Edsall, William S., Cambridge, assignor to The Chase-Shawmut Company, Newburyport, Mass. Adapter for cutout base receptacles. 2,496,662, Feb. 7.

Edson, Arthur W., Delta, Colo., and K. F. Thielking, assignors to Building-Logs, Incorporated, Santa Fe, N. Mex. Building log. 2,525,659, Oct. 10.

Edson, James O., Great Kills, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Multiplex pulse repeater. 2,520,534, Aug. 29.

Edson, Robert C., Livingston, and L. Hochgraf, Maplewood, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Power line carrier frequency telephone system. 2,516,763, July 25.

Edson, William A., Atlanta, Ga., and I. G. Wilson, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Microwave electrical testing system. 2,498,073, Feb. 21.

Edstrom, Eric H., assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Strip coiling apparatus. 2,526,010, Oct. 17.

Eduard, Carl J., West Springfield, Mass. Toilet kit. 2,498,664, Feb. 28.

Educational Toy Company, assignee: *See*—
Brown, James R.

Edwal Laboratories, Inc., The, assignee: *See*—
Kaplan, Julius F., and Mellick.
Krueger, John, Hayes, and Guthier.

Edwards, Albert E., New York, N. Y. Needle threader. 2,507,370, May 9.

Edwards, Alfred B., Jr., Plandome, N. Y. Window. 2,509,678, May 30.

Edwards, Allan, Inc., assignee: *See*—
Edwards, Allan J.

Edwards, Allan J., assignor to Allan Edwards, Inc., Tulsa, Okla. River weight. 2,518,981, Aug. 15.

Edwards, Andrew W.: *See*—
Wallace, James M., and Edwards.

Edwards, Andrew W., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit opening device. 2,523,984, Sept. 26.

Edwards, Arthur B., Camdenton, Mo. Church pew. 2,518,532, Aug. 15.

Edwards, Aubrey G., G. Uchaf, M. Tydfil, H. Hooper, and J. C. White, Baldock, assignors to Dowlais Hosiery Mills Limited, Dowlais, England. Welt-turning apparatus in straight bar knitting machines. 2,495,574, Jan. 24.

Edwards, Baden J., assignor to Pye Limited, Cambridge, England. Apparatus for reproducing radiolocation intelligence at a remote point. 2,500,633, Mar. 14.

Edwards, Baden J., and L. W. Germany, assignors to Pye Limited, Cambridge, England. View finder for television cameras. 2,525,290, Oct. 10.

Edwards, Clark, Albia, Iowa. Incubator brooder. 2,526,939, Oct. 24.

Edwards Company, Inc., assignee: *See*—
Edwards, Robert S.
Miller, Christian.
Slaker, Frank V.
Verkuil, Leo L.

Edwards-Councilor Company, assignee: *See*—
McDow, Thomas B.

Edwards, David C.: *See*—
Cheek, James B., and Edwards.

Edwards, Donald V., Montclair, assignor to Electrons, Incorporated, Newark, N. J. Control apparatus for gas tubes. 2,493,575, Jan. 3.

Edwards, Donald V., Montclair, assignor to Electrons, Incorporated, Newark, N. J. Electron discharge tube structure. 2,512,620, June 27.

Edwards, Donald V., Montclair, N. J., assignor to General Railway Signal Company, Rochester, N. Y. Apparatus providing magnetic fields for electron discharge tubes. 2,523,423, Sept. 26.

Edwards, Donald V., Montclair, and W. G. Brown, West Englewood, assignors to Electrons, Incorporated, Newark, N. J. Electron discharge device. 2,512,619, June 27.

Edwards, Donald V., Montclair, and D. C. Winters, assignors to Electrons, Incorporated, Newark, N. J. Electron discharge device. 2,512,617, June 27.

Edwards, Donald V., Montclair, and D. C. Winters, assignors to Electrons, Incorporated, Newark, N. J. Controllable electron discharge tube of the multiple cathode type. 2,512,618, June 27.

Edwards, Edward G., Salford, and R. J. W. Reynolds, Manchester, England, assignors to Imperial Chemical Industries Limited. Production of filaments, fibers, and the like. 2,503,251, Apr. 11.

Edwards, Edward R., Niles, Ohio. Space heater. 2,518,982, Aug. 15.

Edwards, Evan A., assignor to Massachusetts Institute of Technology, Cambridge, Mass. Hydraulic power transmission apparatus. 2,528,645, Nov. 7.

Edwards, Frank E.: *See*—
Edwards, Robert D. and F. E.

Edwards, Frank W., assignor to The Ohio Injector Company of Illinois, Chicago, Ill. Oiler device. 2,534,427, Dec. 19.

Edwards, George W., Seine et Marne, France. Preparing and homogenizing emulsions, mixtures, and the like. 2,516,455, July 25.

Edwards, Harold T., Los Angeles, Calif. Artificial arm. 2,497,493, Feb. 14.

Edwards, Harold T., Los Angeles, Calif. Artificial arm. 2,535,489, Dec. 26.

Edwards, Harrell N., Wichita, Kans. Colostomy ring. 2,505,664, Apr. 25.

Edwards, Harry D.: *See*—
Kendall, John D., and Edwards.

Edwards, Harry D., assignor to Ilford Limited, Ilford, England. Certain thio derivatives of alpha alkylidene cyanoacetic esters. 2,534,112, Dec. 12.

Edwards, Harry D., and J. D. Kendall, assignors to Ilford Limited, Ilford, England. Dyestuffs containing two heterocyclic nitrogen nuclei and an alkyl mercapto methinyl linking radical and their preparation. 2,531,973, Nov. 28.

Edwards, Harry D., and J. D. Kendall, assignors to Ilford Limited, Ilford, England. $\beta\beta$-dicyanoketene dialkyl mercaptoles and their preparation. 2,533,233, Dec. 12.

Edwards, Harry D., and J. D. Kendall, Ilford, assignors to Ilford Limited, Ilford, Essex, England. Rhodanic acid and oxarhodanic acid derivatives. 2,535,276, Dec. 26.

Edwards, Hayden, Columbus, Ohio. Reinforced building construction. 2,534,580, Dec. 19.

Edwards, Hilbert E., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Speed changing apparatus. 2,496,937, Feb. 7.

Edwards, James J., Siler City, N. C. Friction drive for garden tractors. 2,519,749, Aug. 22.

Edwards, James R.: *See*—
Nichols, Charles A., Bower, Edwards, Fletcher, McCoy, Sample, and Weiser.

Edwards, John A., Yucaipa, Calif. Electrical heating of oil wells. 2,512,226, June 20.

Edwards, Joseph: *See*—
Hill, Harold S., and Edwards.

Edwards, Joseph O., Fresno, Calif. Teaching device. 2,505,608, Apr. 25.

Edwards, Karl C., Chase, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Reel. 2,518,533, Aug. 15.

Edwards, Karl C., Chase, Md., and D. D. Jones, Weston, Conn., assignors to Western Electric Company, Incorporated, New York, N. Y. Connecting mechanism. 2,533,923, Dec. 12.

Edwards Manufacturing Company, Incorporated, The, assignee: *See*—
Myers, George D.

Edwards, Martin A.: *See*—
Bauersfield, Charles F., and Edwards.
Desch, Philip F., Carr, and Edwards.

Edwards, Martin A., Scotia, and C. F. Bauersfeld, Schenectady, N. Y., assignors to General Electric Company. Excitation control system. 2,512,317, June 20.

Edwards, Martin A., Scotia, N. Y., and C. B. Lewis, Erie, Pa., assignors to General Electric Company. Governing apparatus. 2,509,731, May 30.

Edwards, Martin A., Scotia, N. Y., and F. W. Merrill, Fort Wayne, Ind., assignors to General Electric Company. Rotor for dynamoelectric machines. 2,519,895, Aug. 22.

Edwards, Miles L., Longview, Wash. Scavenge pump. 2,511,150, June 13.

Edwards, Moffat, assignee: *See*—
Dole, William E., Jr.

Edwards, Osborne P., Maywood, N. J. Ellipsograph. 2,498,798, Feb. 28.

Edwards, Ray C., Glen Rock, N. J. Finned tubing. 2,529,545, Nov. 14.

Edwards, Robert B.: *See*—
Lindner, Ralph V., and Edwards.

Edwards, Robert B., Baltimore, assignor to Bendix Aviation Corporation, Towson, Md. Controlled carrier transmitter. 2,521,052, Sept. 5.

Edwards, Robert D. and F. E., Miami, Fla. Machine for assembling Venetian blinds. 2,532,294, Dec. 5.

Edwards, Robert H., Seattle, Wash. Self-retracting wheel chock for automotive vehicles. 2,522,104, Sept. 12.
Edwards, Robert S.: *See*—
Garbarini, Robert F., and Edwards.
Edwards, Robert S., New Canaan, assignor to Edwards Company, Inc., Norwalk, Conn. Electromagnetic annunciator unit. 2,504,012, Apr. 11.
Edwards, Roy I., assignee: *See*—
Baker, William E.
Edwards, Russell H., Wenatchee, Wash. Musical bank. 2,505,389, Apr. 25.
Edwards, Russell N., Schenectady, N. Y., assignor to General Electric Company. Overvoltage protective apparatus. 2,531,118, Nov. 21.
Edwards, William C., Jamaica, N. Y., assignor of one-half to J. C. Condon, Bel Air, Calif., P. Davie, Westbury, and C. D. Prutzman, Forest Hills, N. Y., and seven and one-half per cent to J. M. W. Miller, Los Angeles, Calif. Telephone answering apparatus. 2,533,234, Dec. 12.
Edwards, William D., Whitehaven, Tenn. Reciprocating and oscillating cultivator. 2,526,736, Oct. 24.
Eeman, Leon E., London, England. Chair and leg rest. 2,534,581, Dec. 19.
Effinger, Edward J.: *See*—
Neumann, George R., Farrell, and Effinger.
Effinger, William L., Jr., West Hempstead, N. Y. Control mechanism for model airplanes. 2,523,902, Sept. 26.
Efromson, Philip C., and R. C. Lewis, Winchester, Mass. Pickup for use in acceleration indicating, measuring, and recording apparatus. 2,502,132, Mar. 28.
Egan Cotton Mills, Inc., assignee: *See*—
Grant, Horace C.
Egan, Edward F., Bridgewater Township, Somerset County, N. J., assignor to Frank W. Egan & Company. Cutting apparatus. 2,515,296, July 18.
Egan, Frank W., & Company, assignee: *See*—
Egan, Edward F.
Egberts, Raymond W., Roselle, and J. Hooton, Linden, N. J., assignors to Standard Oil Development Company. Purification of crude aliphatic alcohols. 2,510,806, June 6.
Egedal, Lawrence E., Milwaukee, Wis. Grain abrading and cleaning apparatus. 2,507,507, May 16.
Eger, Ernst, Los Angeles, Calif., assignor to United States Rubber Company, New York, N. Y. Inner tube valve. 2,500,531, Mar. 14.
Eggebrecht, Edward T., Hammond, Ind. Cigarette case. 2,528,743, Nov. 7.
Eggeman, Robert G., Westminster, Colo. Skid boot for horses. 2,512,925, June 27.
Eggenberger, Hans: *See*—
Von Allmen, Samuel, and Eggenberger.
Egger, Eduard J. W.: *See*—
James, Thomas S., and Egger.
Egger, Eduard J. W., Pittsburgh, and D. E. Lytle, Leetsdale, Pa., assignors to The Linde Air Products Company. Powder dispenser. 2,530,689, Nov. 21.
Egger, Louis G., New York, N. Y., assignor to United Mechants & Manufacturers, Inc., Wilmington, Del. Making nonwoven material. 2,534,113, Dec. 12.
Eggering, Henry W., St. Louis, Mo. Trap. 2,502,836, Apr. 4.
Eggertsen, Frank T.: *See*—
Archibald, Raymond C., and Eggertsen.
Roberts, Richard M., Eggertsen, and Greensfelder.
Eggleston, Harold D.: *See*—
Conzelman, John E., Jr., and Eggleston.
Eggleston, Ira S., St. Paul, assignor to Stanard Conveyor Company, North St. Paul, Minn. Live roller conveyer. 2,493,479, Jan. 3.
Eggleston, Walter F., Oklahoma City, Okla. Cleaner for drain pipes. 2,496,525, Feb. 7.
Egglestone, Robert W.: *See*—
Stein, Joseph M., and Egglestone.
Egilson, Meyer, assignee: *See*—
Wikstrom, Adolph B.
Egli, Karl, San Francisco, Calif. Thread-cutting toolholder. 2,495,368, Jan. 24.
Eglin, Hans, Geneva, assignor to Machine Tool Works Oerlikon Administration Company, Zurich-Oerlikon, Switzerland. Automatic inertia-locked firearm with automatic hammer. 2,512,014, June 20.
Ego, George R., assignor to Massey-Harris Co. Ltd., Brantford, Ontario, Canada. Direct-coupled automatic release tractor plow. 2,505,609, Apr. 25.
Egolf, Charles B., assignor to Rohm & Haas Company, Philadelphia, Pa. Plastic chalkboard. 2,522,351, Sept. 12.
Egor, Basil, Valley Stream, N. Y. Push-button lock. 2,499,948, Mar. 7.
Egry Register Company, The, assignee: *See*—
Sadgebury, Herman F., and Ward.
Ward, Robert N., and Matthews.
Wyrick, Clayton E.
Eguchi, George M., and C. H. Wells, assignors to Hawaiian Pineapple Company, Limited, Honolulu, Territory of Hawaii. Processing of pineapple juice. 2,496,202, Jan. 31.
Eguchi, George M., and C. H. Wells, assignors to Hawaiian Pineapple Company, Limited, Honolulu, Territory of Hawaii. Secondary clarification of sugar solutions. 2,518,296, Aug. 8.
Ehardt, John H., assignee: *See*—
Sklenar, Wenzeslaw F.
Ehlers, George M., and G. T. Kodama, assignors to Globe-Union Inc., Milwaukee, Wis. Electrical capacitor. 2,499,634, Mar. 7.
Ehlers, Francis E., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Rectangular to circular wave guide junction. 2,519,750, Aug. 22.
Ehlert, Elmer R., assignor to Tipton Mfg. Co., Inc., Tipton, Iowa. Unloader for farm vehicles. 2,530,350, Nov. 14.
Ehlert, William C., Warrensville Heights, and F. J. Schneider, Jr., Pepper Pike, assignors to Domar Products Inc., Cleveland, Ohio. Mold for making integral plastic frames and lenses. 2,516,373, July 25.
Ehlert, William C., Warrensville Heights, and F. J. Schneider, Jr., Pepper Pike Village, assignors to Domar Products Inc., Cleveland, Ohio. Detachable auxiliary lens shield. 2,516,764, July 25.
Ehlinger, Marcel: *See*—
Mercier, Ernest, and Ehlinger.
Ehlschlager, Arthur J., Elmwood Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical testing instrument. 2,526,338, Oct. 17.
Ehmann, Leslie G., assignor to Electric Steel Foundry, Portland, Oreg. Hook for forming slip hitches in cables or the like. 2,503,151, Apr. 4.
Ehrenstein, Maximillian R., assignor to The Trustees of the University of Pennsylvania, Philadelphia, Pa. 19-nordesoxycorticosterone. 2,496,450, Feb. 7.
Ehrenstein, Maximilian R., assignor to The Trustees of The University of Pennsylvania, Philadelphia, Pa. Tetrahydroxy etiocholanic acid and esters thereof. 2,518,672, Aug. 15.
Ehrenstein, Maximilian R., assignor to The Trustees of the University of Pennsylvania, Philadelphia, Pa. 13 - monomethyl cyclopentanopolyhydrophenanthrenes and process. 2,530,816, Nov. 21.
Ehrenstein, Maximilian R., assignor to The Trustees of the University of Pennsylvania, Philadelphia, Pa. 13-monomethyl steroids. 2,530,817, Nov. 21.
Ehret, John, Jr.: *See*—
Buchwald, Charles E., and Ehret.
Ehrhardt, Charles H., Western Springs, assignor to Universal Oil Products Company, Chicago, Ill. Catalyst for conversion of hydrocarbons. 2,507,625, May 16.
Ehrhardt, Herman M.: *See*—
Langmore, Herbert C., and Ehrhardt.
Ehrhardt, Hugo: *See*—
Haigh, Frederick R., Koerner, and Ehrhardt.
Ehrhart, John B., Leavenworth, Kans., and B. A. Piner, Terre Haute, Ind. Writing instrument having an ellipsoid point revolving in a race. 2,504,189, Apr. 18.
Ehrlich, Bertha, New York, N. Y. Undergarment. 2,525,170, Oct. 10.
Ehrlich, Joseph C., assignee: *See*—
Futterman, Julius.
Ehrlich, Mauritius, Zurich, Switzerland. Detachable furniture and packing case. 2,518,983, Aug. 15.
Eiben, Jerome J., assignee: *See*—
Meese, Derald E.
Eich, Elizabeth A., administratrix: *See*—
Eich, Frank A., and Monfils.
Eich, Frank A., deceased, Melrose Mass.; by E. A. Eich, administratrix, Melrose, and N. A. Monfils, Haverhill, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Heel-breasting machine. 2,534,343, Dec. 19.
Eichacker, Homer, assignor to Vonnegut Hardware Company, Indianapolis, Ind. Pull locking control for closures. 2,514,317, July 4.
Eichel, Margaret L., Decatur, Ill. Holder for X-ray films and the like. 2,509,088, May 23.
Eichelberger, Edward, assignor to Safety Household Appliance Corporation, St. Louis, Mo. Press iron holder. 2,523,685, Sept. 26.
Eichelberger, William H.: *See*—
Buder, Spurgeon H., and Eichelberger.
Eichelman, John M., Downers Grove, Ill. Display device having removable nonrigid panel. 2,533,565, Dec. 12.
Eichenberg, Robert, assignor to McEvoy Company, Houston, Tex. Refinery valve. 2,496,451, Feb. 7.
Eichenberg, Robert, Houston, and F. Gober, Baytown, assignors to McEvoy Company, Houston, Tex. Valve. 2,496,452, Feb. 7.
Eicher, Clyde M., Swissvale, assignor of one-third to S. C. Pugliese, Pittsburgh, Pa., and two-thirds to Universal Tip & Equipment Company. Cutting torch tip. 2,520,001, Aug. 22.
Eicher, Eugene I., Peoria, Ill. Baled hay loader. 2,518,606, Aug. 15.
Eicher, Leonore K., Arcadia, Calif. Beater scraper. 2,525,341, Oct. 10.
Eichert, Edwin S.: *See*—
Sharpless, Thomas K., and Eichert.
Eichhorn, Charles W., Weston, Mass., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control device. 2,518,129, Aug. 8.
Eichinger, Ferdinand, Asnieres, France. Printing photographic or kinematographic films. 2,535,399, Dec. 26.
Eichmann, Richard M., New York, N. Y. Pantograph. 2,496,781, Feb. 7.

Eichner, Ferdinand R., assignor to Trail-A-Boat Co., Pontiac, Mich. Metal hull construction. 2,500,279, Mar. 14.

Eichner, Ferdinand R., Pontiac, assignor to General Motors Corporation, Detroit, Mich. Hinge. 2,507,965, May 16.

Eichorn, Arthur M., New York, N. Y. Razor blade sharpener. 2,519,033, Aug. 15.

Eichorn, Robert N.: *See*—
Fitch, Clyde J., and Eichorn.

Eichwald, Eric, assignor to Arrow Laboratories, Inc., New York, N. Y. Detergent composition. 2,503,381, Apr. 11.

Eickhoff, Harold H.: *See*—
Monnik, Harmon J., and Eickhoff.

Eickmeyer, Earl E., and S. O. Mains, assignors to The Dayton Pump and Mfg. Company, Dayton, Ohio. Apparatus for welding tanks. 2,517,853, Aug. 8.

Eide, Albert C., Duluth, Minn. Lunch box. 2,501,894, Mar. 28.

Eidman, Albert W.. *See*—
Melegan, William E., and Eidman.

Eidson, Gilbert J., Irving, Tex. Aerating device for live bait containers. 2,493,952, Jan. 10.

Eifler, Raymond, Flushing, N. Y. Dust receiving tank. 2,516,509, July 25.

Eigenbrode, Edwin M., assignor to Landis Machine Company, Waynesboro, Pa. Work holding fixture for grinding machines. 2,500,634, Mar. 14.

Eiland, Odus C.: *See*—
Dunn, Albert, and Eiland.

Eilerman, George E., Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Urea-formaldehyde resins of high naphtha tolerance. 2,532,396, Dec. 5.

Eilers, Herman, J. Overhoff, and J. C. Vlugter, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif. Production of dispersions of reaction products of halogenated paraffins and alkaline polysulfides. 2,496,227, Jan. 31.

Eilert, Walter O., Furley, Kans. Gate having multiple pintle spring hinge means. 2,505,467, Apr. 25.

Elmco Corporation, The, assignee: *See*—
Royle, Edwin B.

Einbecker, Henry B., Homewood, Ill., assignor to The Sherwin-Williams Company, Cleveland, Ohio. Apparatus for producing spatter finish coatings. 2,511,626, June 13.

Einbecker, Henry B., Homewood, Ill., assignor to The Sherwin-Williams Company, Cleveland, Ohio. Producing spatter finish coatings. 2,511,627, June 13.

Einhorn, Fannie, administratrix: *See*—
Einhorn, George.

Einhorn, George, Forest Hills, N. Y. Folding dish-drying rack. 2,516,088, July 18.

Einhorn, George, deceased, Forest Hills, N. Y.; F. Einhorn, administratrix. Collapsible wire basket. 2,524,900, Oct. 10.

Einson-Freeman Co., Inc., assignee: *See*—
Ebert, Ludwig.
Ebert, Ludwig, and Benchley.

Eisele & Company, assignee: *See*—
Schweizer, Bernard M.

Eisele, Logan, Nashville, Tenn. Clinical thermometer. 2,530,235, Nov. 14.

Eisen, Evelyn, assignee: *See*—
Chaft, Marc E.

Eisen, Jay B., Yonkers, assignor to Ferdinand Gutmann & Co., Brooklyn, N. Y. Receptacle closure. 2,514,124, July 4.

Eisen, Louis S., Newark, N. J. Machine for treating fur skins. 2,516,374, July 25.

Eisenberg, Bernard C., Brooklyn, N. Y. Button dipping and drying machine. 2,495,446. Jan. 24.

Eisenberg, Bernard C., Brooklyn, N. Y. Button shanking machine. 2,530,514, Nov. 21.

Eisenberg, Daniel, Plainfield, N. J. Collapsible support for umbrellas, shoes, and the like. 2,533,725, Dec. 12.

Eisenberg, Daniel, and I. Tornberg, Plainfield, N. J. Scouring pad holder. 2,518,873, Aug. 15.

Eisenberg, Julius G., now by judicial change of name Julius G. Elwood, Chicago, Ill., assignor to Carnegie-Illinois Steel Corporation. Antiplugging control for motors. 2,494,611, Jan. 17.

Eisenberg, Manny, and J. E. Clements, Bronx, and C. Druck, Long Beach, N. Y. Adjustable cornice and bracket. 2,495,514, Jan. 24.

Eisenberg, Phillip, Detroit, Mich. Tension dynamometer. 2,513,295, July 4.

Eisendrath, Oscar N.: *See*—
Michals, Henry T., and Eisendrath.

Eisenman, Albert L., Dallas, Tex. Chlorinating unit. 2,524,966, Oct. 10.

Eisenman, Louis, Brooklyn, N. Y. Fender attachment for automobiles. 2,522,105, Sept. 12.

Eisinger, Paul L.: *See*—
Todd, Keith H., Eisinger, and Vogt.

Eisler, Charles, South Orange, N. J. Machine for cracking and flaring blanks. 2,534,547, Dec. 19.

Eisler, Joseph D.: *See*—
Silverman, Daniel, Eisler, and Evans.

Eisler, Victor H.: *See*—
Fairbanks, Henry N., and Eisler.

Eisner, Burton D., assignor to S. G. Rautbord, Chicago, Ill., doing business as American Photocopy Equipment Co., Not Inc. Device for holding photographic prints while developing or fixing. 2,535,728, Dec. 26.

Eisner, Robert S., Red Bank, assignor to Hanlon & Goodman Co., Belleville, N. J. Implement for applying coatings. 2,493,480, Jan. 3.

Eitel-McCullough, Inc., assignee: *See*—
Chamberlain, Richard H., and Sorg.
Drieschman, Donald F.
Eaves, Hubert H.
Miller, Harold D., and Williams.
Murdock, Clayton E.
Sorg, Harold E., Williams, and Drieschman.
Williams, Paul D.

Ekblom, Olaf E., Boylston, assignor of one-half to J. A. Dunn, Boston, Mass., and one-half to K. M. Hannum, New York, N. Y. Holder and printer for sales slips. 2,530,049, Nov. 14.

Ekblom, Uno, Brooklyn, N. Y. Free piston pump engine. 2,503,152, Apr. 4.

Ekbom, Hilmer N., Goteborg, Sweden. Three-way gravity liquid separation. 2,496,703, Feb. 7.

Ekco Products Company, assignee: *See*—
Gehred, Jerome N.
Kollman, Jack.
Zimmer, Myron J.

Ekelund, Sigvard F. A., Halmstad, Sweden. Microbiological processes. 2,525,214, Oct. 10.

Ekholm, Herbert W., assignor to Chicago Railway Equipment Company, Chicago, Ill. Railway brake beam structure. 2,493,239, Jan. 3.

Ekholm, Herbert W., assignor to Chicago Railway Equipment Company, Chicago, Ill. Brake beam with mounting elements. 2,519,896, Aug. 22.

Eklov, Alf V., assignor to H. C. Gettner, Detroit, Mich. Universal paint striper. 2,517,099, Aug. 1.

Eko-Ensign Electric Limited, assignee: *See*—
Haegele, Frederick G. A.

Eklund, Einar, Glendale, Calif. Saw sharpener. 2,507,371, May 9.

Eklund, Elias N., Stockholm, Sweden. Milling machine. 2,504,968, Apr. 25.

Eklund, Henrik J., assignor to D. J. Murray Manufacturing Co., Wausau, Wis. Automatic pressure relief for tumbling barrels. 2,513,462, July 4.

Eklund, Karl G., Storängen, and J. E. Hultén, Johanneshov, Sweden. Air introducing device. 2,513,463. July 4.

Eksergian, Carolus L., Detroit, Mich., assignor to The Budd Company, Philadelphia, Pa. Shoe mounting for brake assemblies. 2,504,668. Apr. 18.

Eksergian, Carolus L., Detroit, Mich., assignor to The Budd Company, Philadelphia, Pa. Inertia-controlled switch device. 2,519,124, Aug. 15.

Eksergian, Carolus L., Media, assignor to The Budd Company, Philadelphia, Pa. Hopper discharge control for railway cars. 2,514,040, July 4.

Ekstedt, Henry V.: *See*—
Ellinwood, Wilfred E., and Ekstedt.

Ekstedt, John W., Union, A. F. Pityo, Clifton, and H. Butterfield, Maplewood, N. J. Geographical globe. 2,510,213, June 6.

Ekstedt, John W., Union, A. F. Pityo, Clifton, and H. Butterfield, Maplewood, N. J. Method of and apparatus for forming blanks. 2,510,214, June 6.

Ekstein, Hans, and S. Siegel, assignors to Armour Research Foundation of Illinois Institute of Technology, Chicago, Ill. X-ray apparatus and method. 2,511,151, June 13.

Ekstein, Hans, and S. Siegel, assignors to Armour Research Foundation of Illinois Institute of Technology, Chicago, Ill. X-ray diffraction method. 2,511,152, June 13.

Ekstrand, Ernest W., assignor, by mesne assignments, to Ekstrand Mfg. Co., Orange, N. J. Making coin wrappers. 2,507,626, May 16.

Ekstrand Mfg. Co., assignee: *See*—
Ekstrand, Ernest W.

Ekstrand, Sture O., Bergenfield, N. J., C. Maggs, and V. L. Ronci, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge device. 2,494,693, Jan. 17.

Ekstrand, Sture O., Bergenfield, and E. J. Walsh, Tenafly, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge device, including tunable cavity resonator. 2,513,296, July 4.

Ekstrom, Earl A.: *See*—
Gregson, Oswald W., and Ekstrom.

Elam, Daniel W., R. C. Morris, and J. L. Van Winkle, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Stabilization of sulfolanyl ethers. 2,502,934, Apr. 4.

Elam, David L., Roselle, Ill., assignor to A. Crossley. Detonation Indicator. 2,508,996, May 23.

Elam, Mary P., Atlanta, Ga., assignor to International Minerals and Chemical Corporation. Forming hydrogel beads. 2,516,967, Aug. 1.

Eland, Robert C. A., assignor to Philco Corporation, Philadelphia, Pa. Neutralizing feedback in a radio amplifier. 2,517,294, Aug. 1.

Elarde, Paul F., Westchester, Ill. Ejecting and coding means for recording devices. 2,520,918, Sept. 5.

Elastic Stop Nut Corporation of America, assignee: *See*—
Hallock, Robert L.
Hill, Thomas A.
Kolessar, Andrew G.
Elbric S. A., assignee: *See*—
Lüthi, Robert.
Elce, Alec, Banstead, H. M. Stanley, Tadworth, and K. H. W. Tuerck, Banstead, England, assignors to The Distillers Company, Limited, Edinburgh, Scotland. Manufacture of acetic anhydride. 2,514,041, July 4.
Elder, Charles J., assignor to The Moore Company, Muncie, Ind. Bedspring. 2,494,432, Jan. 10.
Elder, Emil M., Shaker Heights, assignor to The Joseph M. Stern Company, Cleveland, Ohio. Artificial grass mat and making same. 2,505,176, Apr. 25.
Elder, Flint C., Cleveland Heights, Ohio, assignor to The American Steel and Wire Company of New Jersey. Making coated wire screen cloth. 2,533,439, Dec. 12.
Elder, Flint C., and W. H. Johns, Cleveland Heights, Ohio, assignors to The American Steel and Wire Company of New Jersey. Apparatus for continuously coating wire. 2,531,561, Nov. 28.
Elder, Irvin L., assignor to A. O. Smith Corporation, Milwaukee, Wis. Speed reducer. 2,528,470, Oct. 31.
Elder, William B., Burnham, Pa. Varispeed washer transmission. 2,499,473, Mar. 7.
Elder, William E.: *See*—
Deardorff, Clinton E., and Elder.
Eldred, Wendell E., and F. J. Boody, Fort Worth, Tex., assignors to Consolidated Vultee Aircraft Corporation. Offset landing gear strut with continuously circulating ball type bearing. 2,493,342, Jan. 3.
Eldredge, Earle E., Westbury, assignor to Erco Radio Laboratories, Inc., Hempstead, N. Y. Frequency shift converter. 2,520,308, Aug. 29.
Eldredge, Ormond K., Adrian, Mich. Line drying reel. 2,511,701, June 13.
Eldridge, Frank R., Jr., assignor to Jones & Lamson Machine Company, Springfield, Vt. Load measuring system. 2,498,881, Feb. 28.
Electraulic Presses Limited, assignee: *See*—
Towler, John M., and F. Hathorn.
Electric Auto-Lite Company, The, assignee: *See*—
Launder, James M.
Electric Boat Company, assignee: *See*—
Ritchie, Alexander J.
Electric Controller & Manufacturing Co., The, assignee: *See*—
Dyer, Alvin C.
Griffes, Milton W.
Rathbun, Harold J.
Smith, Ward L.
Electric Eye Equipment Company, assignee: *See*—
Frommer, Joseph C.
Electric Furnace Company, The, assignee: *See*—
Cope, Frank T.
Electric Heat Devices, Inc., assignee: *See*—
Herrington, Lovic P.
Electric & Musical Industries Limited, assignee: *See*—
Ambrose, Edmund J., Pacey, and Salmon.
Barford, Norman C.
Blumlein, Alan D.
Collard, John.
Hart, Geoffrey W.
Holman, Herbert E., and Pearce.
Lubszynski, Hans G.
Metcalfe, Clifford, and Rae.
Pearce, Albert F.
Pearce, Albert F., Barford, and Mayo.
Sommer, Alfred.
White, Eric L. C.
Wilkinson, George H.
Electric and Musical Industries Limited, assignee: *See*—
Barford, Norman C.
Blumlein, Alan D.
Broadway, Leonard F.
Broadway, Leonard F., and Atherton.
Bull, Cabot S.
Cassman, Harry.
Collard, John.
Cork, Edward C., and Bowman-Manifold.
Horner, Kenneth W.
Newman, Edward A.
Percival, William S.
Watton, Walter L., Bull and White.
White, Eric L. C.
White, Eric L. C., and Newman.
White, Eric L. C., Nind, and Johnson.
White, Eric L. C., and Trott.
Electric Power Equipment Corporation, assignee: *See*—
Schmidt, Frederick G.
Electric Products Company, The, assignee: *See*—
Smith, Erasmus D.
Electric Resistance Furnace Company Limited, assignee: *See*—
Millar, William J.
Electric Service Manufacturing Company, assignee: *See*—
Hallman, Eric B.
Mageoch, Harry Y.
McFarlin, John R.
Electric Steel Foundry, assignee: *See*—
Ehmann, Leslie G.
Electric Storage Battery Company, The, assignee: *See*—
Batt, Walter E.
Galloway, Charles D.
Hampton, Harold J.
Longaker, Edgar L.
Riggs, Harold C.
Thomas, Leighton J.
White, Curtice C.
Electric Terminal Corporation, assignee: *See*—
Martines, Rene.
Electrical Engineers Equipment Company, assignee: *See*—
Farrell, Fred.
Electrical Testing Laboratories, Inc., assignee: *See*—
Salter, Ernest H.
Electricite de France, assignee: *See*—
Maillat, Gustave E.
Electricooker, Inc., assignee: *See*—
Bushway, George H.
Husk, Harry M., Smith, and Shaw.
Electrodyne Company, The, assignee: *See*—
Wellman, Bertram.
Electrographic Corporation, assignee: *See*—
Grumbache, Edward S.
Oettinger, Henry, Jr.
Electro-Hydraulics Limited, assignee: *See*—
Davies, Henry.
Lawson, Derek T.
Neilson, Christopher B. V., and Hoare.
Electrol Incorporated, assignee: *See*—
Ashton, Benjamin N.
Ashton, Benjamin N., and Barow.
Ashton, Benjamin N., and Westcott.
Electrolux Corporation, assignee: *See*—
Beede, Arnold H.
Berquist, Carl G.
Leslie, William H.
Lofgren, Gustaf E.
Peterson, Gustav A.
Traska, William.
Wahlberg, Eric C.
Electromecanique de l'Aveyron, S. A., assignee: *See*—
Bessière, Pierre E., and Ponsy.
Electro-Mechanical Research Incorporated, assignee: *See*—
Doll, Henri-Georges.
Electronic Products Corporation, assignee: *See*—
Zimmerman, Elmore.
Electronic Rectifiers, Inc., assignee: *See*—
Ogle, Charles R., and Freeman.
Electronics Enterprises, assignee: *See*—
Hall, Willard C.
Electronics Systems Corp., assignee: *See*—
Stuck, Frank L.
Electronized Chemicals Corporation, assignee: *See*—
Brasch, Arno.
Electrons, Incorporated, assignee: *See*—
Edwards, Donald V.
Edwards, Donald V., and Brown.
Edwards, Donald V., and Winters.
Smith, Earl K.
Electro Refractories & Alloys Corporation, assignee: *See*—
Leitten, Carl F.
Electro Voice, Incorporated, assignee: *See*—
Lewis, Fred S.
Wiggins, Alpha M.
Elektrokemisk A/S, assignee: *See*—
Jouannet, Robert.
Sejersted, Johannes.
Elenbaas, Willem: *See*—
Gooskens, Henricus, Elenbaas, and Padmos.
Elenewicz, Adolph, Chicago, Ill., assignor to International Harvester Company. Brake locking device. 2,504,258, Apr. 18.
Elevator Supplies Company, Inc., assignee: *See*—
Bruestle, Carl O.
Eley, Virgil D., Philadelphia, Pa. Powder applicator having a powder-receiving spout and a recessed outlet accommodating a toothbrush. 2,529,004, Nov. 7.
"Elfulux" Societe Anonyme-Holding, assignee: *See*—
Sabaut, Edmond R.
Elgin National Watch Company, assignee: *See*—
Dower, Edward W.
Ensign, George G., Lawson, Schaefer, and Wochos.
Harder, Oscar E., and Roberts.
Kromhout, Andrew.
Elgin Softener Corporation, assignee: *See*—
Kromhout, Andrew.
Elgin Sweeper Company, assignee: *See*—
Mott, Carl W.
Elian, Arthur J., Mexico City, Mexico. Projection screen. 2,511,702, June 13.
Elias, Solomon, New York, N. Y. Brassière halter. 2,498,487, Feb. 21.
Eliason, Axel, deceased, by E. E. Eliason, administratrix, Whitestone, assignor to Briam Industrial Corporation, New York, N. Y. Automatic vending machine. 2,495,576, Jan. 24.
Eliason, Esther E., administratrix: *See*—
Eliason, Axel.
Eliason, Marcus C.: *See*—
Strebe, Frank C., and Eliason.
Eliassen, Fred, New York, N. Y. Switch for clearance indicators. 2,508,149, May 16.

Eliasson, Gustaf O., Goteborg, Sweden. Sealing device. 2,509,912, May 30.

Elkies, Harry, Brooklyn, N. Y., assignor to Gemsco Inc. Military ribbon bar. 2,495,577, Jan. 24.

Elkins, Vance V., Cheyney, assignor to The Charles E. Hires Company, Philadelphia, Pa. Mixing faucet. 2,493,660, Jan. 3.

Elkinton, Herbert R., Orangeburg, G. Kesslin, New York, and L. Nicholl, Nyack, assignors to Kay-Fries Chemicals, Inc., West Haverstraw, N. Y. Preparing diphenyl acetic acid. 2,517,856, Aug. 8.

Elks, Joseph: *See*—
Hems, Benjamin A., and Elks.

Ellefson, Bennett S., Bayside, N. Y., assignor to Sylvania Electric Products Inc. Sealing method. 2,499,854, Mar. 7.

Ellefson, Bennett S., Bayside, N. Y., assignor to Sylvania Electric Products, Inc. Luminescent screen and manufacture. 2,511,572, June 13.

Elleman, Tom, Port Washington, Wis., assignor, by mesne assignments, to The Seng Company, Chicago, Ill. Chair iron. 2,498,106, Feb. 21.

Ellenberger, Francis R., Bloomfield, N. J., assignor to General Electric Company. Position recorder. 2,500,746, Mar. 14.

Ellenberger, Francis R., Cedar Grove, N. J., assignor to General Electric Company. Multiple self-balancing potentiometer system. 2,528,218, Oct. 31.

Eller, Lee, assignor to A. E. Rains, Spokane, Wash. Cutting tool. 2,497,400, Feb. 14.

Eller, Lee, assignor to A. E. Rains, Spokane, Wash. Cutting machine. 2,519,552, Aug. 22.

Eller, Saul A.: *See*—
Kallas, Danos H., Eller, and Di Liberti.

Ellerbe, Stephen E.: *See*—
Potts, Clarence P., Ellerbe, and Hall.

Ellerbeck, Grant C., San Leandro, Calif., assignor to Friden Calculating Machine Co., Inc. Value selecting and entering mechanism. 2,530,515, Nov. 21.

Ellerkamp, Harry M., Fort Lauderdale, Fla. Reversible irrigation pump. 2,512,420, June 20.

Ellern, Herbert, assignor to Universal Match Corporation, St. Louis, Mo. Methods and materials for stiffening paper match splints. 2,495,575, Jan. 24.

Ellestad, Reuben B., and K. M. Leute, assignors to Metalloy Corporation, Minneapolis, Minn. Extracting lithium values from spodumene ores. 2,516,109, July 25.

Ellett, Alexander, River Forest, Ill., assignor to Zenith Radio Corporation. Subscription type television transmitter. 2,531,974, Nov. 28.

Ellett, Alexander, and G. E. Gustafson, River Forest, and A. Cotsworth, III, Oak Park, Ill., assignors to Zenith Radio Corporation. Radio-wire signaling system. 2,510,046, May 30.

Elliff, Orla S., assignor to The Meeker Company, Inc., Joplin, Mo. Secret compartment billfold. 2,514,042, July 4.

Ellig, Carl G., Phillips, Tex., assignor to Phillips Petroleum Company. Guided carriage means for flushing the interior of lengths of pipe. 2,494,380, Jan. 10.

Ellilä, Karl L., Helsinki, Finland. Filtering apparatus. 2,534,760, Dec. 19.

Ellinger, Flora H., Chicago, Ill. Soap dispensing shampoo brush. 2,505,611, Apr. 25.

Ellinger, Flora H., Chicago, Ill. Scouring pad gripper and locking and manipulating device therefor. 2,514,481, July 11.

Ellinger, Flora H., Chicago, Ill. Trigger actuated portable spray head. 2,532,270, Nov. 28.

Ellinger, Flora H., Milwaukee, Wis. Soap dispensing back scrubbing brush. 2,505,610, Apr. 25.

Ellinger, Leo P.: *See*—
Goldberg, Alan A., and Ellinger.

Ellinghuysen, John F., Hillsdale Township, Winona County, Minn. Ridge cutting attachment for tractor cultivators. 2,505,280, Apr. 25.

Ellinwood, Wilfred E., St. Louis, and H. V. Ekstedt, Overland, Mo. Tank for steam irons. 2,527,409, Oct. 24.

Elliot, William H., Shorewood, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electronic synchronous timing system. 2,511,628, June 13.

Elliott, Alonzo K., and T. T. Munn, Indianapolis, Ind. Universally adjustable index for workholders. 2,509,338, May 30.

Elliott, Artemus E., Pasadena, Calif. Service handle for market bags. 2,506,781, May 9.

Elliott, Bernard V., assignor to H. C. Price Co., Bartlesville, Okla. Pipe bending machine. 2,534,429, Dec. 19.

Elliott Brothers (London), Limited, assignee: *See*—
Latham, Harry F.

Elliott, Charles I., Sea Girt, N. J., and V. R. Pantalone, Hamden, assignors to National Folding Box Company, Inc., New Haven, Conn. Folding box. 2,523,246, Sept. 19.

Elliott, Collier A., Pittsburgh, Pa., and R. N. Palmer, Wellesley Hills, Mass. Bobbin holder for winding thread on fish flies. 2,504,669, Apr. 18.

Elliott Company, assignee: *See*—
Baker, Virgil H., and Anderson.
Claitor, Lilburn C., and Crawford.
Crawford, Duffer B.
Hennig, Fritz O.
Mayers, Martin A.
McClure, Arthur W.

Elliott Company, assignee: *See*—Continued.
Multhaup, Robert H.
Pollard, Ernest I.
Roberts, Irving.
Roberts, Irving, and Crawford.
Smith, Ronald B., and Hennig.

Elliott, Dwight A., Richmond, Ind. Lawn mower. 2,514,539, July 11.

Elliott, Edison C.: *See*—
Turner, Willard, Elliott, and Richlin.

Elliott, Edward L., Arlington, Va., assignor to Federal Business Machines Corporation, Washington, D. C. Copyholder. 2,532,765, Dec. 5.

Elliott, Fred B., Jr.: *See*—
Bucher, Edward S., and Elliott.

Elliott, George E., Jr.: *See*—
Pardee, William A., and Elliott.

Elliott, Gordon R., Ferndale, Mich., assignor to I. A. Puchner and E. U. Demmer, Milwaukee, Wis. Power chamber. 2,495,369, Jan. 24.

Elliott, Gordon R., Ferndale, Mich., assignor to I. A. Puchner and E. U. Demmer, Milwaukee, Wis. Pressure differential servomotor and control. 2,532,801, Dec. 5.

Elliott, Harmon P., Watertown, Mass. Ribbon inker in reciprocating printing machines. 2,502,133, Mar. 28.

Elliott, Harold E., Palo Alto, Calif. Apparatus for positioning a rotary controlled element. 2,517,854, Aug. 8.

Elliott, Harold E., and G. C. Barton, Leicester, England, assignors to United Shoe Machinery Corporation, Flemington, N. J. Fastening inserting machine. 2,494,694, Jan. 17.

Elliott, Harold F., assignee: *See*—
Rohrer, John A.

Elliott, Harold F., Belmont, Mass. Control apparatus. 2,496,453, Feb. 7.

Elliott, Harold F., Belmont, Mass. Control device for radio tuners. 2,496,454, Feb. 7.

Elliott, Harold F., Belmont, Mass. Tuning control apparatus. 2,496,455, Feb. 7.

Elliott, Harold F., San Francisco, Calif. Electric control apparatus. 2,496,456, Feb. 7.

Elliott, Harold F., San Francisco, Calif. Control mechanism. 2,496,457, Feb. 7.

Elliott, Harold K., and T. J. Johnston, assignors to Lawn Mulcher Company, Inc., St. Paul, Minn. Grass dispenser and mulcher. 2,517,184, Aug. 1.

Elliott, Harold K., and T. J. Johnston, St. Paul, Minn. Adjustable grass dispenser and mulcher. 2,517,855, Aug. 8.

Elliott, Harry D., Wenham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Seam pressing machine. 2,513,464, July 4.

Elliott, Harry D., Wenham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Device for applying liquid adhesive to workpieces. 2,516,110, July 25.

Elliott, Irving C., Kelseyville, Calif. Floor treating composition. 2,492,975, Jan. 3.

Elliott, John F., Charleston, W. Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Floating piston pump. 2,497,300, Feb. 14.

Elliott, John R.: *See*—
Krieble, Robert H., and Elliott.
Patnode, Winton I., and Elliott.

Elliott, John R., and R. H. Krieble, Schenectady, N. Y., assignors to General Electric Company. Rendering materials water-repellent and compositions therefor. 2,507,200, May 9.

Elliott, John R., and R. H. Krieble, Schenectady, N. Y., assignors to General Electric Company. Chloromethyl silicon compounds. 2,513,924, July 4.

Elliott, Lee, Bakersfield, Calif. Self-blowing whistle for locomotives. 2,528,124, Oct. 31.

Elliott, Myron A., Washington, D. C. Method of and apparatus for determining the level of a liquid. 2,506,585, May 9.

Elliott, Myron A., Washington, D. C. Manufacture of water sealed cable and construction thereof. 2,518,454, Aug. 15.

Elliott, Myron A., and H. A. Pohl, Washington, D. C. Water sealing cable construction. 2,507,508, May 16.

Elliott, Ross W., San Diego, Calif. Electric current and voltage indicator. 2,509,815, May 30.

Elliott & Sons Limited, assignee: *See*—
Howe, Dennis J. T.

Elliott, Stanley B., Cleveland, and R. J. O'Hara, Bedford, assignors to Ferro Chemical Corporation, Cleveland, Ohio. Drier composition for paints and the like. 2,528,429, Oct. 31.

Elliott, Thomas N., Blackstone, Va. Rack for cans. 2,513,630, July 4.

Ellis, Albert R., Moncton, New Brunswick, Canada. Circular knitting machine. 2,527,534, Oct. 31.

Ellis, Arthur G., and M. W. Abberley, Stoke-on-Trent, England. Chuck. 2,529,331, Nov. 7.

Ellis, Charles G., Union, N. J., assignor to The Oilgear Company, Milwaukee, Wis. Clamping mechanism for draw presses. 2,532,663, Dec. 5.

Ellis, Clarence M., assignor of one-third to J. E. Devine and one-third to J. M. Prentice, Lodi, Calif. Resilient support for box loads. 2,524,378, Oct. 3.

Ellis, David G.: *See*—
Willson, Karl S., and Ellis.

Ellis, Dee, Oklahoma City, Okla. Vacuum operated synchronizing device for compounded internal-combustion engines. 2,521,053, Sept. 5.
Ellis, Delbert, Wilkinsburg, assignor to Westinghouse Electric Corporation. Circuit interrupter. 2,524,287, Oct. 3.
Ellis Drier Co., The, assignee: *See*—
Ellis, Hubert C.
Ellis, Edgar, assignor of one-half to S. C. Moore, Fort Payne, Ala. Portable push-pull swing. 2,524,967, Oct. 10.
Ellis, Elra, Kosciusko, Miss. Cigarette lighter. 2,528,583, Nov. 7.
Ellis-Foster Company, assignee: *See*—
Canfield, William B.
Joy, Homer V.
MacKenzie, Charles A.
MacKenzie, Charles A., and Rust.
Rust, John B.
Rust, John B., and Canfield.
Rust, John B., and Joy.
Rust, John B., and MacKenzie.
Rust, John B., and Spialter.
Ellis, George T., Trenton, N. J. Suction attachment. 2,523,201, Sept. 19.
Ellis, Grenville B., Red Bank, N. J., assignor to The United States of America as represented by the Secretary of War. Battery filler device having a puncturing element for piercing an evacuated battery enclosing can. 2,500,169. Mar. 14.
Ellis, Guy P., Lake Charles, La. Pipe cutter. 2,534,858, Dec. 19.
Ellis, Herbert, Shanghai, China, assignor to Linotype and Machinery Limited, London, England. Typographical machine. 2,523,102, Sept. 19.
Ellis, Herbert B., La Canada, Calif. Timed cycle controller. 2,510,465, June 6.
Ellis, Hubert C., Evanston, assignor to The Ellis Drier Co., Chicago, Ill. Clothes-washing machine and automatic fluid operated control device therefor. 2,504,013, Apr. 11.
Ellis, Hubert C., Evanston, assignor to The Ellis Drier Co., Chicago, Ill. Centrifugal extractor. 2,521,054, Sept. 5.
Ellis, Humphrey A., Fort Wayne, Ind. Automatic cradle type stoker. 2,499,735, Mar. 7.
Ellis, John W., assignor to S. Smith & Sons (England) Limited, Cricklewood, London, England. Clock-controlled switch gear. 2,499,270, Feb. 28.
Ellis, Johnstone D., assignor to The Troy Sunshade Company, Troy, Ohio. Umbrella. 2,493,121, Jan. 3.
Ellis, Kenneth W.: *See*—
Houghton, Lyle S., and Ellis.
Ellis, Linus M., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Moistureproofing regenerated cellulose. 2,523,868, Sept. 26.
Ellis, Raymond S.: *See*—
Hicks, James R., and Ellis.
Ellis, Robert, New York, N. Y. Flagpole. 2,530,654, Nov. 21.
Ellis, Robert P., New York, N. Y. Dust separating and collecting machine. 2,500,747, Mar. 14.
Ellis, Roy T., Webster Groves, Mo. Lock for safety deposit boxes. 2,524,696, Oct. 3.
Ellis, William A., Portland, Oreg. Spool for holding fishline leaders. 2,514,697, July 11.
Ellison, Edward F.: *See*—
Kissinger, Lewis E., Duncan, Ellison, and Turlay.
Ellison, Fred: *See*—
Anderson, Lloyd L., Hefferan, and Ellison.
Ellison, Leslie J.: *See*—
Cooper, Cedric L., and Ellison.
Richards, Edward A., and Ellison.
Ellison, Lynn E., Evanston, assignor to The Pure Oil Company, Chicago, Ill. Electronic control device. 2,525,593. Oct. 10.
Ellison, Wallace V., Soap Lake, Wash. Hydraulic ratchet wrench. 2,508,568, May 23.
Ellithorpe, Frank E., Glendale, Calif. Windshield visor. 2,511, 401, June 13.
Ellithorpe, Gilbert S., Chicago, Ill. Rotary switch construction. 2,530,006, Nov. 14.
Ellner, Edwin: *See*—
Kahn, Leo M., and Ellner.
Ellsworth, Carl E., assignor to The Girdler Corporation, Louisville, Ky. High-frequency apparatus having two work-engaging electrodes and one adjustable electrode. 2,504,969, Apr. 25.
Ellsworth, Ivan W., Belmont, and R. O. Farrar, West Acton, Mass. Electrically heated plate. 2,515,641, July 18.
Ellsworth, Walter A., assignor to Seeger Refrigerator Company, St. Paul, Minn. Breaker strip construction. 2,518,673, Aug. 15.
Ellwood, Walter B., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Magnetic jig for electroplating. 2,505,531, Apr. 25.
Ellwood, Walter B., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sealed wire contact device. 2,506,414, May 2.
Ellwood, Walter B., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sealing electrical apparatus. 2,508,018, May 16.
Ellwood, Walter B., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electromagnetic relay. 2,523,360, Sept. 26.
Ellwood, Walter B., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Jig. 2,523,903, Sept. 26.
Ellwood, Walter B., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Multicontact dry reed relay. 2,535,400, Dec. 26.
Elmendorf, Armin, Chicago, Ill. Facing frame structures. 2,498,403, Feb. 21.
Elmendorf, Armin, Winnetka, Ill. Plywood panel. 2,514,318, July 4.
Elmendorf, Armin, Winnetka, Ill. Panel for sidings and roofs. 2,532,017, Nov. 28.
Elmer, Morgan S., Central Valley, N. Y. Lock. 2,517,185, Aug. 1.
Elmer, William B., Lakewood, Ohio, assignor to Westinghouse Electric Corporation, Pittsburgh, Pa. Thermostatically actuated control system. 2,498,259, Feb. 21.
Elmlund, Hugo, Ludvika, and U. Lamm, Kopparberg, assignors to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Rectifier with direct-current saturable reactor for voltage regulation. 2,524,220, Oct. 3.
Elmore, Norman M., Elizabeth, and D. W. Young, Roselle, N. J., assignors to Standard Oil Development Company. Low temperature polymerization of mixed olefins with Al_2ClBr_5 catalyst. 2,519,034, Aug. 15.
Elmore, William C.: *See*—
Sands, Matthew L., Frisch, and Elmore.
Elmslie, Wallace P., assignor to Moorman Manufacturing Company, Quincy, Ill. Feed for livestock. 2,508,599, May 23.
Elsaesser, Frank S., Cincinnati, Ohio. Hamburg steak patty forming machine. 2,509,971, May 30.
Elsaesser, Frank S., Cincinnati, Ohio. Dispensing container. 2,527,178, Oct. 24.
Elsaesser, Frank S., Cincinnati, Ohio. Hamburg steak patty forming machine. 2,528,125, Oct. 31.
El-Said, Mohamed A. H.: *See*—
El Shishini, Mahmoud, and El-Said.
Elsea, Arthur R., Columbus, assignor, by mesne assignments, to The Jackson Iron and Steel Company, Jackson, Ohio. High-silicon cast iron. 2,501,215, Mar. 21.
Elsebusch, Otto, Los Angeles, Calif. Antidraft device. 2,519,446, Aug. 22.
Elsey, Howard M., Oakmont, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Dynamoelectric apparatus and current collector conditioning members therefor. 2,501,321, Mar. 21.
El Shishini, Mahmoud, and M. A. H. El-Said, Giza, Cairo, Egypt. High-frequency harmonic analyser. 2,533,566, Dec. 12.
Elsner, Frank, Hanover, Pa. Adhesive applying roller mechanism for label pasting machines. 2,503,810, Apr. 11.
Elsner, Frank, Hanover, Pa. Label pasting mechanism with variable throw label pickup and transfer means. 2,520,628, Aug. 29.
Elson, Clyde C., Chicago Heights, Ill. Brake testing apparatus. 2,509,816, May 30.
Elston, Arthur A., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilization of peroxide solutions. 2,497,814, Feb. 14.
Elstrom, Mabel A., Minneapolis, and R. M. Pauly, Medicine Lake, assignors to Alden Wonderall Company, Minneapolis, Minn. Garment. 2,506,493, May 2.
Elsworth, John Van V., Watertown, N. Y., assignor to The New York, Air Brake Company. Circuit failure protection device. 2,527,920, Oct. 31.
Eltenton, George C., Berkeley, and M. B. Fallgatter, San Leandro, assignors to Shell Development Company, San Francisco, Calif. Magnetic method of pipe-line inspection. 2,501,598, Mar. 21.
Eltenton, George C., Berkeley, and M. B. Fallgatter, San Leandro, assignors to Shell Development Company, San Francisco, Calif. Photoelectric colorimeter. 2,501,599, Mar. 21.
Elvadoor Company, The: *See*—
Hamilton, Howard.
Elvan, John, New York, and A. Masillo, Franklin Square, N. Y. Illuminated statuette. 2,506,295, May 2.
Elvers, Roy E., Los Angeles, Calif. Vending machine. 2,514,631, July 11.
Elverum, Gerard W., Minneapolis, Minn., assignor to General Mills, Inc. Cyclone dust separator. 2,523,614, Sept. 26.
Elvin, William J., Frostburg, Md., and E. R. Stahl, Meyersdale, Pa., assignors to Celanese Corporation of America. Creel. 2,493,863, Jan. 10.
Elvin, William J., Frostburg, and J. B. Steiding, Midland, Md., assignors to Celanese Corporation of America. Producing high tenacity regenerated cellulose yarns. 2,505,033, Apr. 25.
Elvin, William J., and G. L. McLukie, Frostburg, Md., assignors to Celanese Corporation of America. Packing. 2,509,290, May 30.
Elwell, Dorothy A., Boston, Mass. Ice-cream maker and dispenser. 2,493,395, Jan. 3.
Elwell, George H., New Haven, Conn., assignor to Eastern Tool and Manufacturing Company, Bloomfield, N. J. Slide loop. 2,497,401, Feb. 14.
Elwell-Parker Electric Company, The, assignee: *See*—
Abbe, Edward J.
Elwell, William E.: *See*—
Brooke, Lloyd F., Elwell, and Meier.

Elwell, William E., Berkeley, assignor to California Research Corporation, San Francisco, Calif. Aliphatic esters of cyclohexadiene dicarboxylic acids. 2,502,644, Apr. 4.

Elwell, William E., Berkeley, assignor to California Research Corporation, San Francisco, Calif. Unsaturated alcohol esters of cyclohexadiene dicarboxylic acids. 2,502,645, Apr. 4.

Elwell, William E., Berkeley, assignor to California Research Corporation, San Francisco, Calif. Production of vinyl xylenes. 2,531,327, Nov. 21.

Elwell, William E., Berkeley, assignor to California Research Corporation, San Francisco, Calif. Producing indenes. 2,531,328, Nov. 21.

Elwood, Julius G.: *See*—
Eisenberg, Julius G.

Elwood, Julius G., Chicago, Ill., assignor to Carnegie-Illinois Steel Corporation. Antiplugging control for motors. 2,505,281, Apr. 25.

Ely, Addison C., Westfield, N. J. Portable pedestal table. 2,526,011, Oct. 17.

Ely, George L., Hopkinton, assignor to Jordan Marsh Company, Boston, Mass. Elevator. 2,534,192, Dec. 12.

Ely, Robert S., Westbury, assignor, by mesne assignments, to T. A. Nosworthy, Bronxville, N. Y. Electronic control. 2,510,742, June 6.

Ely, Robert S., Westbury, and I. M. Ketcham, Roslyn Heights, assignors, by mesne assignments, to Safeway Heat Elements, Inc., New York, N. Y. Flexible electric heater for deicing air foils. 2,496,279, Feb. 7.

Emanuel, Benjamin D., Anderson, Ind. Storage battery. 2,534,582, Dec. 19.

Emarco Corporation, assignee: *See*—
Cline, Harold A., and Briggs.

Emblen, Herbert V., and M. D. Baker, San Diego, Calif. Record filing means. 2,530,604, Nov. 21.

Embshoff, Arthur C., Western Springs, assignor to Infilco Incorporated, Chicago, Ill. Making raw water ice. 2,528,875, Nov. 7.

Emde, Kurt, Itasca, Ill., assignor to Zenith Radio Corporation. Lug fastening means for electrical shields. 2,533,779, Dec. 12.

Emde, Kurt, Itasca, and H. H. Steglich, Wilmette, Ill., assignors to Zenith Radio Corporation. Combined dial-speaker arrangement for radio receivers. 2,523,103, Sept. 19.

Emeloid Co. Incorporated, The, assignee: *See*—
Madan, Edward K. and R. W.

Emerich, William B., Evansville, Ind. Air conditioning apparatus for vehicles. 2,493,122, Jan. 3.

Emerson, Charles G., and L. R. Cook, Rowlesburg, W. Va. Change maker. 2,530,865, Nov. 21.

Emerson Electric Manufacturing Company, The, assignee: *See*—
Phillips, Chester S.
Veltman, John C., and Michelsen.

Emerson, J. H., Company, assignee: *See*—
Leyenaar, Jan.

Emerson, John F.: *See*—
Reichel, Wladimir A., and Emerson.

Emerson, John F., Hasbrouck Heights, assignor to Bendix Aviation Corporation, Teterboro, N. J. Frequency voltage regulator. 2,531,727, Nov. 28.

Emerson, John H., Cambridge, Mass. Therapeutic vibrator. 2,512,621, June 27.

Emerson, John H., Cambridge, Mass. Aspirator for administering medicine. 2,535,844, Dec. 26.

Emerson, Kerneth H.: *See*—
Smith, David B., Clapp, Montgomery, Emerson, and Hoffman.

Emerson, Oliver H., Kensington Park, Calif., assignor to the United States of America as represented by the Secretary of Agriculture. Preparation of peptides. 2,498,665, Feb. 28.

Emerson, Richard C., Glendale, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind. Superregenerative receiver. 2,535,401, Dec. 26.

Emerson, Walter H., East Liverpool, Ohio, assignor to The Homer Laughlin China Company, Newall, W. Va. Potteryware decorating machine. 2,493,953, Jan. 10.

Emerson, William S., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Polymerization products of styrene. 2,498,616, Feb. 21.

Emerson, William S., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Para-vinylbenzyl compounds. 2,531,355, Nov. 21.

Emerson, William S., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Copolymers of styrene and para-vinylbenzyl compounds. 2,534,193, Dec. 12.

Emerson, William S., and T. M. Patrick, Jr., Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Dibromides of 2-vinylthiophenes. 2,503,197, Apr. 4.

Emerson, William S., and T. M. Patrick, Jr., Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. 5-(2′-thienyl) - 2 - iminodihydro - 1,3 - oxathioles. 2,503,198, Apr. 4.

Emerson, William S., and T. M. Patrick, Jr., Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. N, N′, N″-triacylmelamines. 2,507,700, May 16.

Emerson, William S., and T. M. Patrick, Jr., Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Thiophene derivatives. 2,522,436, Sept. 12.

Emery Industries, Inc., assignee: *See*—
Muckerheide, Victor J.
Myers, Latimer D.

Emery, Ray W.: *See*—
Schaefer, Frederick R., and Emery.

Emhardt, Fred W., assignor to Struthers Wells Corporation, Warren, Pa. Evaporator. 2,499,302, Feb. 28.

Emigh, Harry F., Hutchinson, Kans. Multiple head electric lantern. 2,524,435, Oct. 3.

Emigholz, Lawrence F., and C. C. Averill, assignors to Union Steel Products Company, Albion, Mich. Knockdown crate for shipping, storing, and other handling of merchandise. 2,503,811, Apr. 11.

Emley, Edward F.: *See*—
Ball, Charles J. P., Fox, Jessup, and Emley.
Ball, Charles J. P., Jessup, Emley, and Fisher.

Emley, Edward F., Clifton Junction, near Manchester, assignor to Magnesium Elektron Limited, London, England. Fluxes for the treatment of light alloys. 2,497,540, Feb. 14.

Emley, Edward F., and A. C. Jessup, Clifton Junction Works, near Manchester, and P. A. Fisher, Flixton, assignors to Magnesium Elektron Limited, London, England. Zirconium carrying alloying substance. 2,497,537, Feb. 14.

Emley, Edward F., and A. C. Jessup, Clifton Junction, near Manchester, assignors to Magnesium Elektron Limited, London, England. Fluxes for use in the treatment of light metals. 2,497,538, Feb. 14.

Emley, Edward F., and A. C. Jessup, Clifton Junction, near Manchester, assignors to Magnesium Elektron Limited, London, England. Process and flux for the treatment of light metals. 2,497,539, Feb. 14.

Emmer, Charles E., assignor to General Binding Corporation, Chicago, Ill. Loose-leaf binder. 2,511,153, June 13.

Emmert, Arthur P., Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Hydrodynamic coupling. 2,493,240. Jan. 3.

Emmert, Clayton F., and W. H. Stouder, assignors to Automatic Washer Company, Newton, Iowa. Washing machine. 2,534,194, Dec. 12.

Emmert, Walter E., Los Angeles, Calif. Ventilating attachment for vehicles. 2,523,104, Sept. 19.

Emmett, Robert A., Jr., U. S. Navy. Electronic phase shifter. 2,527,535, Oct. 31.

Emmitt, Helen P., Tallmadge, Ohio. Ball. 2,521,703, Sept. 12.

Emmons, Arthur N., Nedrow, assignor to Porter-Cable Machine Company, Syracuse, N. Y. Belt grinding and polishing device. 2,507,372, May 9.

Emmons, Arthur N., Nedrow, assignor to Porter-Cable Machine Company, Syracuse, N. Y. Grinding machine. 2,527,003, Oct. 24.

Emmons, Arthur N., Nedrow, and G. N. Enlund, assignors to Porter-Cable Machine Company, Syracuse, N. Y. Detachable covering for abrading drums. 2,504,923, Apr. 18.

Emmons, Neal L., Muskogee, Okla. Winch unit. 2,534,583, Dec. 19.

Empire Box Corporation, assignee: *See*—
Allen, William H., and Hall.
Hall, Maynard G.
Hall, Maynard G., and Kowal.
Kowal, Michael H.

Empire Electric Brake Company, assignee: *See*—
Ingres, Jeannot G.
Ingres, Jeannot G., and Ayers, Jr.

Empire Furniture Manufacturing Company, assignee: *See*—
Schoenberg, Abraham J.

Empire Industries, Inc., assignee: *See*—
Bowen, Thomas E.

Empire Products, Inc., assignee: *See*—
Roberts, Arthur E.

Empire State Laboratories, assignee: *See*—
Parlini, Alexander C., Hascher, and Recker.

Emrick, Melvin H., Jamaica, N. Y. Automatic electric index fixture. 2,535,490, Dec. 26.

Emsco Derrick & Equipment Company, assignee: *See*—
Duncan, Daniel M.
Tremolada, Guglielmo R.

Emslie, Alfred G., Boston, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Moving object detection system. 2,512,144, June 20.

Emulsol Corporation, The, assignee: *See*—
Fuchs, Charles F.
Katzman, Morris, and Epstein.

Enchelmaier, William F., Cedar Grove, N. J. Manufacture of brush equipment. 2,508,908, May 23.

Endee, Charles H., Canton, Mass. Carrying means for golf bags. 2,533,440, Dec. 12.

Endicott, Claude A., Cottage Hills, Ill. Plasterer's tool. 2,496,280, Feb. 7.

Endicott Trust Co., executor: *See*—
Ford, Eugene A.

Endo Products, Inc., assignee: *See*—
Weiss, Ulrich.

Endres, Oscar, San Diego, Calif. Portable shower inclosure means. 2,500,350, Mar. 14.

Endress, Clarence H., Cleveland Heights, assignor to Willard Storage Battery Company, Cleveland, Ohio. Heated battery. 2,516,048, July 18.
Endsley, Louis E., Pittsburgh, Pa., and J. E. Justus, Beloit, Wis., assignors to Fairbanks, Morse & Co., Chicago, Ill. Engine fuel control means. 2,496,458, Feb. 7.
Endsley, William H., Henderson, Tex. Jacket for pipe joints of wet strings. 2,505,282, Apr. 25.
Endsley, William H., Henderson, Tex. Mud mixing device. 2,512,095, June 20.
Endsley, William H., Henderson, Tex. Mud mixing device. 2,512,096, June 20.
Enebeck, Emil C., Boise, Idaho. Suction pickup rotor for seed dispensing machines. 2,505,758, May 2.
Engberg, Ralph E., Brooklyn, N. Y. Rotary screw pump. 2,527,536, Oct. 31.
Engebretsen, James E.: *See*—
Derginer, Frank A., and Engebretsen.
Engel, Arthur C., Haverhill, Mass. Prepared molded shoe vamp. 2,496,782, Feb. 7.
Engel, Arthur C., Haverhill, Mass. Shoe-vamp blank. 2,496,783, Feb. 7.
Engel Brothers, assignee: *See*—
Engel, Frederick W.
Engel, Frederick W., Jamaica, assignor to Engel Brothers, New York, N. Y. Stone mounting for bracelets or other articles. 2,510,774, June 6.
Engel, John A., Jr., Baltimore, Md. Cushioned pencil point. Re. 23,256, Aug. 22.
Engel, Karl, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Shoe shaping machine. 2,502,513, Apr. 4.
Engel, Karl H., Teaneck, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Recovery of quinaldine. 2,510,875, June 6.
Engel, Karl H., Teaneck, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Recovery of 2,4-lutidine and 2,3-lutidine. 2,510,876, June 6.
Engel, Karl H., Teaneck, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Resolution of nitrogen base mixtures. 2,510,877, June 6.
Engel, Karl H., Teaneck, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Preparation of concentrated formic acid. 2,511,198, June 13.
Engel, Willem F.: *See*—
Hoog, Han, Engel, and Koome.
Engel, Willem F., Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Catalytic hydration of olefins to produce ketones. 2,523,686, Sept. 26.
Engel, Willem F., and H. Hoog, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif. Production of pyridine-carboxylic acids. 2,515,593, July 18.
Engelberg, Goldie: *See*—
Engelberg, Markus and G.
Engelberg, Markus and G., Brooklyn, N. Y. Adjustable high chair. 2,503,942, Apr. 11.
Engelhaupt, Robert C., Bonesteel, S. Dak. Portable feeding trough. 2,531,262, Nov. 21.
Engelheart, Alexis C., New Orleans, La. Auto sunshade. 2,496,085, Jan. 31.
Engelmann, Ernest C., Arlington, Va. Trip movement for watchmen's patrol boxes. 2,522,933, Sept. 19.
Engelmann, Herbert F., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Electron discharge device. 2,504,970, Apr. 25.
Engelmann, Nikolaus, Philadelphia, Pa. Plastic jacketed glass articles. 2,503,033, Apr. 4.
Enger-Kress Company, assignee: *See*—
Bauman, Howard A.
Pence, William A.
Engesser, Miles H., Redwood, N. Y. Hayrack. 2,528,045, Oct. 31.
Engh, Walter B., Alexandria, and C. W. Davis, Summitville, Ind., assignors to Aladdin Industries, Incorporated. Burner wick structure and operating mechanism. 2,503,153, Apr. 4.
Engh, Walter B., Alexandria, and C. W. Davis, Summitville, Ind., assignors to Aladdin Industries, Incorporated. Stove with wick-type liquid fuel burner. 2,513,925, July 4.
Enghauser, Winford L., Cincinnati, Ohio. Mailbox support and sign. 2,534,163, Dec. 12.
Engholdt, Richard K., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Thermocouple safety pilot switch. 2,515,992, July 18.
Engholm, Bernard A., assignor, by mesne assignments, to The Rola Company, Inc., Cleveland, Ohio. Pole piece centering arrangement for permanent magnet electrodynamic loudspeakers. 2,524,780, Oct. 10.
Engineering Controls, Inc., assignee: *See*—
Hull, Robert R., and Coles.
Engineering Development Laboratories, Inc., assignee: *See*—
Coursey, Philip R.
Coursey, Philip R., Munday, and Gough.
Engineering Products, Inc., assignee: *See*—
Pond, Bertram P., Vincent, and De Lancey.
Vincent, Edwin E., and De Lancey.
Engineering Research Associates, Inc., assignee: *See*—
Gutterman, Robert P., and Bielski.
Engineering and Research Corporation, assignee: *See*—
Berliner, Henry A.
England, Benjamin C., Pedricktown, N. J. Harvesting tractor and drive control therefor. 2,520,835, Aug. 29.
England, John H., Wellesley Hills, assignor to Raytheon Manufacturing Company, Newton, Mass. Electronic timing circuit. 2,508,941, May 23.
Engle, Burr N. and J. B., Los Angeles, Calif. Saw tooth setting machine. 2,504,398, Apr. 18.
Engle, Burr N. and J. B., Los Angeles, Calif. Automatic tooth setter for saws. 2,504,399, Apr. 18.
Engle, Burr N. and J. B., Los Angeles, Calif. Teeth setting machine. 2,530,690, Nov. 21.
Engle, John B.: *See*—
Engle, Burr N. and J. B.
Engle, Raymond: *See*—
Smith, Leland I., and Engle.
Englehart, Richard D., Davenport, assignor to Bee-Line Company, Scott County, Iowa. Weight-holding means for wheel-balancing weights. 2,522,024, Sept. 12.
Englehart, Richard D., assignor to Bee-Line Company, Davenport, Iowa. Automobile body reconditioning machine. 2,522,167, Sept. 12.
Engleman, Lazarus: *See*—
Warner, Francis A., Engleman, and Angel.
Engler, Hermon D., Hatch, N. Mex. Hydraulically operated land scraper. 2,528,046, Oct. 31.
Engler, Max, assignor to The General Tire and Rubber Company, Akron, Ohio. Tube splicer. 2,534,252, Dec. 19.
Engler, William B., Green Springs, Ohio. Clutch mechanism. 2,531,771, Nov. 28.
Englesson, John E., Kristinehamn, Sweden. Packing for rotatable surfaces. 2,516,191, July 25.
English, Carl W., Charlotte, N. C. Forming the corners of paper box cover blanks. 2,524,344, Oct. 3.
English Electric Company Limited, The, assignee: *See*—
Barlow, Kenneth F.
Binney, Eric A.
Chittenden, John P., and Welsh.
Fenemore, Alan S.
Shaw, Norman H.
Shaw, Norman H., and Bennett.
Welsh, Robert J.
Young, James B., and Riches.
English, Jackson P., Stamford, and J. H. Clark, Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. 2(meta-aminobenzenesulfonamido)5-halopyrimidines and preparing same. 2,506,351, May 2.
English, James F., Jr.: *See*—
Rutherford, Victor S., and English.
English, James J.: *See*—
Peters, Ernest C., and English.
English, Loretta L., executrix: *See*—
Griffin, Percy M.
English, Spofford G.: *See*—
East, Jack K., and English.
Englund, Julius E., Fenton, Mich. Depth control for tractor-drawn implements. 2,534,761, Dec. 19.
Engnell, Knute O., and A. A. Meyer, Port Washington, Wis., assignors to Food Machinery and Chemical Corporation. Hitch for tractors and attachments. 2,522,934, Sept. 19.
Engqvist, Erik I., assignor to Telefonaktiebolaget L M Ericsson, Stockholm, Sweden. Electrical connector. 2,499,474, Mar. 7.
Engqvist, Erik I., assignor to Telefonaktiebolaget L M Ericsson, Stockholm, Sweden. Device for metering of communications by manual telephone system. 2,517,643, Aug. 8.
Engstrom, Carl J., Michigan City, Ind., assignor to The Royal Metal Manufacturing Company, Chicago, Ill. Stool having revolving seat. 2,528,949, Nov. 7.
Engstrom, Carl J., Michigan City, Ind., assignor to The Royal Metal Manufacturing Company, Chicago, Ill. Seat cushion cover construction. 2,528,950, Nov. 7.
Engstrom, Elmer W., and G. C. Sziklai, Princeton, N. J., assignors to Radio Corporation of America. Color television. 2,514,043, July 4.
Engstrom, Glen E., Grand Island, Nebr. Punchboard holder. 2,511,053, June 13.
Engstrom, Oscar L., New York, N. Y. Beverage dispensing apparatus. 2,534,504, Dec. 19.
Engstrom, Ralph W., East Petersburg, Pa., and W. J. Pietenpol, Columbus, Ohio, assignors to Radio Corporation of America. End-on phototube. 2,506,633, May 9.
Engstrum, Paul, Washington, D. C., assignor to Air-O-Spra Corporation. Atomizer. 2,509,291, May 30.
Engstrum, Paul, Washington, D. C., assignor to Air-O-Spra Corporation. Atomizer. 2,514,751, July 11.
Engvall, Lenard R., Coulee Dam, Wash. Electrical pressure measuring device. 2,531,414, Nov. 28.
Enkur, Edward M., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Container sealing apparatus. 2,522,437, Sept. 12.
Enkur, Edward M., Babylon, N. Y., L. F. Pahl, and L. L. Lauve, assignors to Crown Cork & Seal Company, Inc., Baltimore, Md. Container capping structure. 2,532,900, Dec. 5.
Enlund, Gustaf N.: *See*—
Emmons, Arthur N., and Enlund.
Enock, Arthur G., Thame, England. Machine for capping milk and other bottles and similar containers. 2,495,094, Jan. 17.

Enock, Arthur G., Thame, England. Machine for producing caps for milk and other bottles and similar containers. 2,522,438, Sept. 12.

Enos, John P., Union, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Stripper feet for buttonhole attachments. 2,504,069, Apr. 11.

Enos, John P., Union, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Thread cutter and nipper for sewing machines. 2,508,236, May 16.

Enquist, Gösta T. H., Hammarbyhojden, Sweden. Releasable coupling device. 2,514,569, July 11.

Enright, Camillus C., Trenton, N. J. Work holder and making rope soles. 2,503,034, Apr. 4.

Enright, Paul M., assignor to Hydraulic Dredging Company, Ltd., Oakland, Calif. Obstruction clearing device for suction dredges. 2,530,951, Nov. 21.

Ensign-Bickford Company, The, assignee: *See*—
Pearsall, David E.

Ensign, Elbert E., Ypsilanti, assignor to Ford Motor Company, Dearborn, Mich. Thixotropic investment material. 2,532,155, Nov. 28.

Ensign, George G., R. R. Lawson, E. H. Schaefer, and W. M. Wochos, Jr., assignors to Elgin National Watch Company, Elgin, Ill. Marine chronometer double track escape and projection system. 2,501,266, Mar. 21.

Ensign, Rolland C., West McHenry, Ill. Animal trap. 2,499,303, Feb. 28.

Ensinger, Earl H., Cleveland, Ohio. Portable conveyer and wheeled support. 2,516,192, July 25.

Ensinger, Earl H., Cleveland, Ohio. Swingable prop for conveyors. 2,533,882, Dec. 12.

Ensink, Johannes, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Receiver circuit-arrangement for low-frequency or carrier wave telephony systems. 2,496,784, Feb. 7.

Enslen, Francis L., assignee: *See*—
Stemen, Everett L., Enslen, and Springer.

Ensley, Fern E.: *See*—
Braden, Vally N., and Ensley.

Ensminger, Arthur A., assignor to R & E Appliance Company, Cleveland, Ohio. Line supporting device. 2,503,715, Apr. 11.

Ensminger, Clarence W., Silverton, Ohio. Screw cap friction wrench. 2,519,447, Aug. 22.

Ensminger, Enid L., assignee: *See*—
Ayers, Allyn L.

Ensminger, Ralph B., assignee: *See*—
Ayers, Allyn L.

Ensminger, Ralph B., Berkeley, Calif. Portable soil mill with adjustable legs. 2,525,023, Oct. 10.

Ensor, Arthur J., Bramley, Surrey, England. Drawing or sketching board. 2,530,605, Nov. 21.

Enterprise Aluminum Company, The, assignee: *See*—
Harris, Robert D.

Enterprise Manufacturing Company, The, assignee: *See*—
Rudolph, Frederic C., and Watts.

Enterprise Railway Equipment Company, assignee: *See*—
Dorey, George B.
Withall, Harry A.
Zimmer, Albert E.
Zimmer, Albert E., and Batho.

Enthoven, H. J., & Sons Limited, assignee: *See*—
Guest, Ernest F.

Entwistle, Donald, Coventry, assignor to Courtaulds Limited, London, England. Bonding of rayon filaments to rubber. 2,502,406, Mar. 28.

Entwistle, Donald, Coventry, assignor to Courtaulds, Limited, London, England. Bonding of textile yarns to rubber. 2,511,629, June 13.

Entwistle, James L., Cranston, assignor to James L. Entwistle Co., Pawtucket, R. I. Testing unit for wire sparkers. 2,510,743, June 6.

Entwistle, James L., Cranston, assignor to James L. Entwistle Co., Pawtucket, R. I. Machine for applying pressure sensitive tape to conductors. 2,530,655, Nov. 21.

Entwistle, James L., Co., assignee: *See*—
Entwistle, James L.

Entwistle, Robert C., and A. Chariott, Norwalk, Conn. Accordion keyboard silencer. 2,498,604, Feb. 21.

Entz, Ferdinand S., Mount Kisco, G. A. Pullis, Riverdale, N. Y., and G. R. Stibitz, Boonton, N. J.; said Entz and said Pullis assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., and said Stibitz assignor to the United States of America as represented by the Director of the Office of Scientific Research and Development. Position indicating system. 2,502,837, Apr. 4.

Enyeart, Charles R., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Concentrating polyalkylene oxide condensation products. 2,496,582, Feb. 7.

Epelberg, Jack: *See*—
Pfeffer, Edward C., Jr., and Epelberg.

Epperly, George, Oklahoma City, Okla. Evaporative cooler. 2,524,697, Oct. 3.

Epperson, Landy D., Kansas City, Mo. Hydraulic control apparatus. 2,511,499, June 13.

Eppler, Andrew, Jr., Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for pressing the bottoms of shoes. 2,516,111, July 25.

Eppler, Clarence K., Detroit, Mich. Sash holder. 2,530,192, Nov. 14.

Eppler, Jean, assignee: *See*—
Bussierès, Henri.

Epplin, Leo A., Waterloo, Ill. Radial arm power saw. 2,535,908, Dec. 26.

Epps, Ernest A., Jr.: *See*—
Steele, Clellie T., and Epps, Jr.

Epremian, Edward, Schenectady, N. Y., assignor to General Electric Company. High-temperature cobalt alloy. 2,515,775, July 18.

Epstein, Albert K.: *See*—
Katzman, Morris, and Epstein.

Epstein, Alvin N., Chicago, Ill. Combination receiver-transmitter telephone unit. 2,493,954, Jan. 10.

Epstein, Arnold S., Bethlehem, Pa., and A. Kreithen, Atlanta, Ga., assignors to Radio Corporation of America. Electrical phasing circuit. 2,526,858, Oct. 24.

Epstein, David W., Princeton, N. J., assignor to Radio Corporation of America. Halation reduction in cathode-ray tubes. 2,517,774, Aug. 8.

Epstein, Hirsch, assignee: *See*—
Freeman, Ernest H.

Epstein, Hirsch, Chicago, Ill. Electrode structure for glow discharge tubes. 2,534,762, Dec. 19.

Epstein, Hirsch E., assignee: *See*—
Mitnick, Jacob J.

Epstein, Hirsch E., assignor of one-half to L. R. Duman, Chicago, Ill. Terminal strip for electromagnets. 2,529,653, Nov. 14.

Epstein, Irving, Brighton, N. Y. Garment gripper for pressing machines. 2,522,168, Sept. 12.

Epstein, Joseph, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Filter. 2,524,781, Oct. 10.

Epstein, Joshua, Philadelphia, assignor to Acme Coppersmithing and Machine Company, Oreland, Pa. Discharge valve for mash tubs. 2,504,070, Apr. 11.

Epstein, Ruben, Brooklyn, N. Y., assignor to H. Brinton Co., Philadelphia, Pa. Latch opener. 2,534,584, Dec. 19.

Epstein, Samuel S.: *See*—
Snell, Foster D., and Epstein.

Epstein, Seymour, New York, and R. Bihler, Brentwood, N. Y. Manufacture of powder puffs. 2,509,266, May 30.

Epstein, Sol, Los Angeles, Calif. Television antenna. 2,531,035, Nov. 21.

Epsztejn, Wulf, Brussels, Belgium. Footwear with a removable sole. 2,528,951, Nov. 7.

Equi-Flow, Inc., assignee: *See*—
Ungar, Gustave A.

Equipment Repair & Manufacturing Company, assignee: *See*—
Spitzer, Lawrence K.

Eraser Company, Inc., The, assignee: *See*—
Carpenter, Louis M., and Roesch.

Eratico, Rose R., Long Island City, N. Y. Pocket lighter. 2,517,644, Aug. 8.

Erb, George C., Forest Hills West, assignor to American Can Company, New York, N. Y. Reclosure container. 2,523,285, Sept. 26.

Erban, Richard T., New York, N. Y. Optical device for inverting images. 2,523,687, Sept. 26.

Erbel, Arthur J.: *See*—
Dreisbach, Robert R., Martin, and Erbel.

Erchak, Michael, Jr.: *See*—
Cosby, John N., and Erchak, Jr.
Porter, Frank, Erchak, Jr., and Cosby.

Erchak, Michael, Jr., Morris Plains, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Production of polyethylene waxes. 2,504,400, Apr. 18.

Erco Radio Laboratories, Inc., assignee: *See*—
Eldredge, Earle E.
Goodwin, Thomas E.

Ercolino, Michael: *See*—
Peterson, Glen, and Ercolino.

Ercolino, Michael D., Asbury Park, N. J., assignor to the United States of America as represented by the Secretary of War. Portable radio compass. 2,535,053, Dec. 26.

Ercolino, Michael D., Wanamassa, N. J. High-frequency antenna. 2,518,297, Aug. 8.

Erdle, Reiner W., assignor to Dental Research Corporation, Chicago, Ill. Forming ceromic articles and producing different colors or shades along different portions of the article. 2,517,100, Aug. 1.

Ergen, William K., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Precision control device. 2,509,089, May 23.

Ergen, William K., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Capacity pick-up follow-up system. 2,534,505, Dec. 19.

Ergen, William K., Moorestown, N. J., assignor to Radio Corporation of America. Wind data computer. 2,519,180, Aug. 15.

Erhard, William, North Bergen, N. J., assignor to E. R. Squibb & Sons, New York, N. Y. Hypodermic unit and making same. 2,494,290, Jan. 10.

Erhardt, Oscar P.: *See*—
Krueger, Alfred P., and Erhardt.

Erhardt, William A., Jr., Philadelphia, Pa. Bridge-stop for slide fasteners or the like. 2,501,643, Mar. 21.

Ericksberg, Alvah O.: *See*—
Osterman, Joseph T.

Erickson, Alvin L., assignor to Smith Cannery Machines Company, Seattle, Wash. Feeder gauging means for fish dressing machines. 2,529,800, Nov. 14.
Erickson, Anton F., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Repairing damaged sheet metal. 2,504,509, Apr. 18.
Erickson, Arvid M., San Jose, Calif., assignor, by mesne assignments, to Hawaiian Pineapple Company, Limited, Honolulu, Territory of Hawaii. Food product. 2,499,375, Mar. 7.
Erickson, C. E., Company, Inc., assignee: *See*— Erickson, Ernest R.
Erickson, Charles, and **E. Spellman**, New York, N. Y. Scraper for freezing apparatus. Re. 23,267, Sept. 12.
Erickson, Charles A., Dearborn, assignor, by mesne assignments, to F. L. Jacobs Co., Detroit, Mich. Pump. 2,500,310, Mar. 14.
Erickson, Charles A., Dearborn, assignor, by mesne assignments, to F. L. Jacobs Co., Detroit, Mich. Pump. 2,518,298, Aug. 8.
Erickson, Chester A., Denver, Colo. Switch and switch stand for model railroads. 2,522,608, Sept. 19.
Erickson, Clifford E., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Housing latch for telephone sets. 2,495,164, Jan. 17.
Erickson, Clifford E., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Telephone connecting block. 2,517,992, Aug. 8.
Erickson, Donald R., Kalamazoo, Mich. Coating paper. 2,502,782, Apr. 4.
Erickson, Donald R., Kalamazoo, Mich. Coated paper and making same. 2,502,783, Apr. 4.
Erickson, Donald R., Kalamazoo, Mich. Printing ink and printing. 2,518,607, Aug. 15.
Erickson, Edwin R., Oak Park, Ill., assignor to Mathieson Chemical Corporation. Production of dichlorostyrene. 2,519,125, Aug. 15.
Erickson, Ellsworth L., assignor to Crown Iron Works Co., Minneapolis, Minn. Carrier. 2,502,781, Apr. 4.
Erickson, Eric C., assignor to Queen Cutlery Company, Titusville, Pa. Pocket knife. 2,530,236, Nov. 14.
Erickson, Ernest A.: *See*— Dailey, Lawrence A., and Erickson.
Erickson, Ernest R., assignor to C. E. Erickson Company, Inc., Des Moines, Iowa. Milk bottle carrying case. 2,512,855, June 27.
Erickson, Ewald, Watertown, Minn., assignor to Hercules Powder Company, Wilmington, Del. Drying protein. 2,502,134, Mar. 28.
Erickson, Fern L., Berkley, Mich. Simulated log serving bar. 2,530,120, Nov. 14.
Erickson, George L., Hasbrouck Heights, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Telegraph signal distortion indicating device. 2,516,860, Aug. 1.
Erickson, Gustav A., Chicago, Ill. Fishing line meter. 2,500,026, Mar. 7.
Erickson, Harry E., assignor to Cal Grove Products Co., Los Angeles, Calif. Can cooling machine. 2,494,864, Jan. 17.
Erickson, Helmer E.: *See*— Talboys, Henry H., and Erickson.
Erickson, Herbert C., Minneapolis, Minn. Pail holder. 2,513,631, July 4.
Erickson, Hugo, Chicago, Ill. Screw-holding screw driver. 2,526,211, Oct. 17.
Erickson, John G., Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Preparation of dialkoxyalkanenitriles. 2,519,957, Aug. 22.
Erickson, John G., Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Beta-chloropropionic and beta-chloroisobutyric acid nitriles. 2,524,011, Sept. 26.
Erickson, John G., Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Preparation of N,N-dialkylacrylamides. 2,529,838, Nov. 14.
Erickson, John G., Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Producing N-alkyl acrylamides. 2,534,585, Dec. 19.
Erickson, Lennart G., San Francisco, Calif. Carrier terminal equipment. 2,497,592, Feb. 14.
Erickson, Lennart G., San Francisco, Calif. Carrier current signaling system. 2,497,593, Feb. 14.
Erickson, Lowell H., assignor to M. S. Merrill, Denver, Colo. Electronic control circuits. 2,533,567, Dec. 12.
Erickson, Myrtle M., Longview, Wash. Writing-guide for the blind. 2,529,005, Nov. 7.
Erickson, Orvil'e C., Eu Claire, Wis. Clothesline reeling device. 2,498,799, Feb. 28.
Erickson, Paul N., assignor to May Brothers Manufacturing Company, Inc., Detroit, Mich. Towing apparatus. 2,517,775, Aug. 8.
Erickson, Reynold R., Forest Lake, Minn. Folding table and bench. 2,514,319, July 4.
Erickson, Walter A., Anchorage, Territory of Alaska. Portable washing plant. 2,493,955, Jan. 10.
Ericksson, Erik V., assignor to Marcus & Co., Aktiebolaget Stockholm, Sweden. Tool for boring and countersinking wood. 2,529,143, Nov. 7.
Ericson, Albert A., Massapequa Park, N. Y., assignor to The Farmingdale Corporation. Bar feed for lathes and the like. 2,505,612, Apr. 25.
Ericson, Albert A., Massapequa Park, N. Y., assignor to The Farmingdale Corporation. Hydraulic feed system. 2,526,646, Oct. 24.
Ericson, Elmer W., Chicago, Ill. Display binder. 2,523,202, Sept. 19.
Ericson, Folke E., Danbury, and **G. E. Northrop, Jr.**, Stamford, assignors to The Barden Corporation, Danbury, Conn. Radial clearance gauge. 2,525,068, Oct. 10.
Ericson, George R., Kirkwood, Mo. Variable compression engine. 2,523,105, Sept. 19.
Ericsson, Eric A., assignor to Telefonaktiebolaget L M Ericsson, Stockholm, Sweden. Device for selection of groups of lines within automatic telephone exchanges. 2,506,200, May 2.
Ericsson, Erik A., and **A. C. Jacobaeus**, assignors to Telefonaktiebolaget L M Ericsson, Stockholm, Sweden. Device for registering the locations of personnel. 2,499,475, Mar. 7.
Ericssons, L. M., Kassaregister Aktiebolag, assignee: *See*— Werner, Sture E.
Erie Meter Systems, Inc., assignee: *See*— Holdridge, Randall L.
Erie Resistor Corporation, assignee: *See*— Gray, Robert B.
Minnium, Byron B.
Minnium, Byron B., and Crooks.
Erikainen, John, Pelkie, Mich. Vehicle bumper jack. 2,502,037, Mar. 28.
Eriksen, Einar M., assignor to A/S Rull Trykk Industri, Oslo, Norway. Automatic feeding apparatus for strip material. 2,503,035, Apr. 4.
Eriksen, Kenneth, and **C. W. Concelman**, Brookfield, Conn., assignors to Hazeltine Research, Inc., Chicago, Ill. Standoff insulator. Re. 23,310, Dec. 19.
Eriksen, Leonard, Craig, and **C. Young**, Tekamah, Nebr. Tire inflation indicator. 2,524,968, Oct. 10.
Erikson, Carl F., White Plains, assignor to Nathan Manufacturing Company, New York, N. Y. Pumping mechanism. 2,502,316, Mar. 28.
Erikson, Carl F., White Plains, assignor to Nathan Manufacturing Company, New York, N. Y. Liquid level gauge. 2,514,570, July 11.
Erikson, Carl F., White Plains, assignor to Nathan Manufacturing Company, New York, N. Y. Pumping mechanism. 2,517,645, Aug. 8.
Erikson, Carl F., White Plains, assignor to Nathan Manufacturing Company, New York, N. Y. Force feed lubricator. 2,523,653, Sept. 26.
Erikson, Donald M., assignor to Rock River Cotton Company, Janesville, Wis. Bed pad. 2,501,267, Mar. 21.
Eriksson, Edvard E., assignor to Degerfors Jarnverks Aktiebolag, Degerfors, Sweden. Wheel assembly. 2,534,586, Dec. 19.
Erisman, Adolph, Port Richmond, N. Y. Changeable advertising device, including adjacent endless belts movable in opposite directions. 2,506,586, May 9.
Erisman, John L., Oak Park, Ill., assignor to Link Belt Company. Seal for rotary driers or coolers. 2,517,470, Aug. 1.
Erisman, John L., Oak Park, Ill., assignor to Link-Belt Company. Rotary drier or cooler. 2,522,025, Sept. 12.
Erisman, Maurice J., Dallas, Tex., and **W. W. Coffin**, Oak Park, Ill., assignors to Link-Belt Company. Control system for driers. 2,525,535, Oct. 10.
Erland, Gustave G., and **A. B. Pearson**, Pittsburgh, Pa., assignors to Carnegie-Illinois Steel Corporation. Pile stop mechanism. 2,498,989, Feb. 28.
Erlandsen, Oscar, Jr.: *See*— Schwendler, William T., and Erlandsen.
Erler, Fred M., Chicago, Ill. Retiring cam mechanism for unlatching elevator doors. 2,520,137, Aug. 29.
Erler, Walter C., assignor to Bendix Home Appliances, Inc., South Bend, Ind. Clutch and drive mechanism for ironing machines. 2,529,247, Nov. 7.
Erlich, Victor L., New York, N. Y., assignor to Wisconsin Malting Company, Milwaukee, Wis. Grain preparation. 2,494,544, Jan. 17.
Erling, Sven J., Nockeby, assignor to Aktiebolaget Separator, Stockholm, Sweden. Vacuum milking system. 2,526,212, Oct. 17.
Ermold, Edward, Company, assignee: *See*— Cattonar, John, and Olm.
Olm, George.
Ernest, Fred, Gardena, Calif. Window tightener. 2,504,510, Apr. 18.
Ernestus, Adolph W., assignor to A. O. Smith Corporation, Milwaukee, Wis. Piston. 2,494,748, Jan. 17.
Ernestus, Adolph W., assignor to A. O. Smith Corporation, Milwaukee, Wis. Grating construction. 2,509,732, May 30.
Ernestus, Adolph W., assignor to A. O. Smith Corporation Milwaukee, Wis. Joint coupling. 2,517,391, Aug. 1.
Ernisse, Paul J.: *See*— Wallace, Roger W., and Ernisse.
Ernisse, Paul J., assignor to Eastman Kodak Company, Rochester, N. Y. Elevating mechanism. 2,525,534, Oct. 10.
Ernsberger, Maurice L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Halogenation of polymers. 2,503,252, Apr. 11.
Ernsberger, Maurice L., and **P. S. Pinkney**, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Azo catalysts in preparation of sulfonyl chlorides. 2,503,253, Apr. 11.

Ernst, Burrell R., Coleraine, Minn. Decoy attaching bracket. 2,525,120, Oct. 10.
Ernst, Clemens J., Sidney, Ohio. Stackable trestle. 2,505,532, Apr. 25.
Ernst, Earl A., Bakersfield, Calif. Coupling device for conveyers. 2,514,993, July 11.
Ernst, Edward W., Dayton, Ohio. Tracking mechanism for reflex velocity modulated tubes. 2,515,203, July 18.
Ernst, Hans, and B. Sassen, Cincinnati, Ohio, assignors, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Gun control mechanism. 2,498,033, Feb. 21.
Ernst, Hans, and A. H. Dall, assignors to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Hydraulic transmission. 2,535,909, Dec. 26.
Ernst, Joseph F., Youngstown, Ohio. Traction device. 2,504,511, Apr. 18.
Ernst, Robert C., and W. B. Moore, Jr., Louisville, Ky., assignors to The Dow Chemical Company, Midland, Mich. Nonblocking, heat-sealing ethyl cellulose coating composition and a wrapping sheet coated therewith. 2,523,203, Sept. 19.
Ernst, Walter, Mount Gilead, and D. F. Boyd, Dayton, Ohio, assignors to Institute of Industrial Research, San Antonio, Tex. Brush puller. 2,535,054, Dec. 26.
Ernsting, Meine J. E., Beemster, and W. T. Nauta, Amsterdam, Netherlands, assignors to N. V. Koninklijke Pharmaceutische Fabrieken V/H Brocades-Stheeman & Pharmacia. Animal feed. 2,504,401, Apr. 18.
Eros, Stephen, Cleveland, and H. E. Hermanson, Mayfield Heights, Ohio, assignors to General Electric Company. Permanent magnet hot-wire starting device. 2,512,268, June 20.
Erpf, Stanley F., San Francisco, Calif. Artificial eye. 2,497,873, Feb. 21.
Erpf, Stanley F., V. H. Dietz, and M. S. Wirtz, all of the U. S. Army, Phoenixville, Pa. Artificial eye. 2,497,872, Feb. 21.
Errig, William F., and E. S. De Hart, assignors, by mesne assignments, to W. F. Errig, trading as Peco Manufacturing Co., Philadelphia, Pa. Transmission control and brake mechanism. 2,527,179, Oct. 24.
Errig, William F., Jenkintown, Pa., and E. S. De Hart, Collingswood, N. J., assignors, by mesne assignments, to said Errig. Tire groover. 2,532,156, Nov. 28.
Erskine, Douglas W.: *See*—
Boock, Alfred C., and Erskine.
Erskine, Douglas W., Springfield, Ill., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Clutch bearing lubrication. 2,533,568, Dec. 12.
Ersted, Alfred J., Atherton, Calif. Ram construction. 2,520,200, Aug. 29.
Erteszek, Jan J., Los Angeles, Calif. Girdle. 2,525,215, Oct. 10.
Erteszek, Olga, Los Angeles, Calif. Panty girdle. 2,531,772, Nov. 28.
Ertner, Edward W., Berwyn, Ill., assignor to Western Strand material storage device. 2,518,534, Aug. 15.
Ertner, Edward W., Berwyn, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Wire drawing machine. 2,521,838, Sept. 12.
Ervin, Alice H., Greensboro, N. C. Bedpan pad. 2,501,844, Mar. 28.
Erwin, Edson L., Towaco, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,531,615, Nov. 28.
Erwin, Eugene M., assignor to S. Gerber, Seattle, Wash. Quick-release cable binding for skis. 2,513,926, July 4.
Erwin, James A., Oak Park, Ill. Loose-leaf binder. 2,498,404, Feb. 21.
Erwin, Ransome W., Tyler, assignor to Salt Water Control, Inc., Fort Worth, Tex. Tritube heating element. 2,495,673, Jan. 24.
Erwin, Wesley S., assignor to General Motors Corporation, Detroit, Mich. Transducer holder. 2,494,433, Jan. 10.
Erwood, John, Chicago, Ill., assignor to the United States of America as represented by the Secretary of the Navy. Dithering device. 2,498,034, Feb. 21.
Esak, John H., assignor to Haddon Bindery, Inc., Camden, N. J. Machine for scraping and burnishing the edges of books. 2,504,071, Apr. 11.
Escher, Joseph M., Mount Oliver, assignor to Jas. H. Matthews & Co., Pittsburgh, Pa. Abrasive blast marking machine. 2,521,782, Sept. 12.
Escher Wyss Maschinenfabriken Aktiengesellschaft, assignee: *See*—
Obrist, Heinrich.
Escoffery, Charles A., East Orange, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Rectifier. 2,531,415, Nov. 28.
Escoffery, Charles A., and W. H. Hawk, East Orange, N. J., assignors to Federal Telephone and Radio Corporation, New York, N. Y. Rectifier unit. 2,498,666, Feb. 28.
Escoffery, Charles A., and W. H. Hawk, East Orange, N. J., assignors to Federal Telephone and Radio Corporation, New York, N. Y. Rectifier. 2,510,092, June 6.
Esdelle Patents Limited, assignee: *See*—
Lathan, James.
Eserkaln, Theodore F.: *See*—
Armitage, Joseph B., and Eserkaln.
Armitage, Joseph B., Eserkaln, and Wetzel.
Eserkaln, Theodore F., Wauwatosa, assignor to George Gorton Machine Co., Racine, Wis. Coolant return system. 2,507,437, May 9.
Eserkaln, Theodore F., Wauwatosa, assignor to George Gorton Machine Company, Racine, Wis. Infinitely variable speed drive mechanism. 2,522,353, Sept. 12.
Eserkaln, Theodore F., Wauwatosa, and C. L. Qualler, assignors to George Gorton Machine Co., Racine, Wis. Back-off nut. 2,508,237, May 16.
Eserkaln, Theodore F., Wauwatosa, and F. Steinbrecker, assignors to George Gorton Machine Company, Racine, Wis. Infinitely variable speed, cutter spindle drive units for machine tools. 2,522,352, Sept. 12.
Eserkaln, Theodore F., Wauwatosa, and F. Steinbrecker, assignors to George Gorton Machine Company, Racine, Wis. Machine tool. 2,526,547, Oct. 17.
Eserkaln, Theodore F., Wauwatosa, and C. A. Parske, Milwaukee, assignors to Kearney & Trecker Corporation, West Allis, Wis. Slotting machine. 2,529,680, Nov. 14.
Esher, Raymond R., Collingdale, Pa. Plumb bob having vertical light-ray projector. 2,517,295, Aug. 1.
Eshleman, Richard F.: *See*—
Kellogg, William D., Eshleman, and Morris.
Eskimo Pie Corporation, assignee: *See*—
Herbold, Karl P.
Eskola, Edmund A., Bothell, Wash. Occupant propelled vehicle. 2,493,124, Jan. 3.
Eskuchen, Frank G., Atlantic City, N. J., assignor to Radio Corporation of America. Automatic selector mechanism. 2,493,622, Jan. 3.
Eskuchen, Frank G., Chicago, Ill., assignor to D. Szantay. Electric lighter. 2,502,135, Mar. 28.
Eskuchen, Frank G., Chicago, Ill., assignor to D. Szantay. Electric lighter. 2,503,103, Apr. 4.
Esmco Auto Products Corporation, assignee: *See*—
Greene, David.
Esmond, William G., Cumberland, Md., assignor to Celanese Corporation of America. Reel. 2,508,504, May 23.
Esnault-Pelterie, Robert, Geneva, Switzerland, assignor to Spladis Societe Pour L'Application D'Inventions Scientifiques, Luxemburg. Apparatus for the instantaneous vaporization of water by means of a solid combustible. 2,526,339, Oct. 17.
Espari, Alphonse A., New Haven, Conn. Metal-folding machine with interconnected folding and work-clamping means. 2,511,530, June 13.
Espegren, Nels A., Omaha, Nebr. Gasket unit for swivel connections. 2,498,915, Feb. 28.
Espegren, Nels A., Omaha, Nebr. Gasket unit for swivel connections. 2,498,916, Feb. 28.
Espenas, Leif D.: *See*—
Loughborough, William K., and Espenas.
Espenschied, Helmut: *See*—
Merker, Leon, and Espenschied.
Espenschied, Lloyd, Kew Gardens, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric power source. 2,509,913, May 30.
Espersen, George A., Dobbs Ferry, assignor to Philips Laboratories, Inc., Irvington on Hudson, N. Y. Magnetron cavity structure and manufacture of same. 2,493,661, Jan. 3.
Espinola, Jovino A., La Vega, Dominican Republic. Calculator. 2,533,569, Dec. 12.
Esposito, John, Locust Valley, N. Y. Automatically operated Venetian blind. 2,520,629, Aug. 29.
Esselman, Walter H., Cranford, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Variable voltage motor control system. 2,528,126, Oct. 31.
Esser, John A.: *See*—
Ramstad, Paul E., Young, and Esser.
Essex, Jesse L., San Antonio, Tex., and J. R. Appleton, Los Angeles, Calif. Method and apparatus for expanding minerals. 2,531,975, Nov. 28.
Essex Manufacturing Company, assignee: *See*—
Guller, Harold.
Essex Wire Corporation, assignee: *See*—
Clayton, Harold H.
Prouty, Robert E.
Essick, Bryant, assignee: *See*—
Brookins, Richard N.
Essick, Bryant, Long Beach, assignor to Essick Manufacturing Company, Los Angeles, Calif. Road roller construction. 2,534,507, Dec. 19.
Essick, Bryant, assignor to Essick Manufacturing Company, Los Angeles, Calif. Mounting for window ventilators. 2,493,123, Jan. 3.
Essick, Bryant, assignor to Essick Manufacturing Company, Los Angeles, Calif. Control for tiltable mixing drums. 2,494,118, Jan. 10.
Essick, Bryant, assignor to Essick Manufacturing Company, Los Angeles, Calif. Portable power-driven mixer. 2,494,119, Jan. 10.
Essick, Bryant, assignor to Essick Manufacturing Company, Los Angeles, Calif. Road roller. 2,534,506, Dec. 19.
Essick Manufacturing Company, assignee: *See*—
Brookins, Richard N.
Essick, Bryant.
Mulhollen, Harold S.
Esslie, Warren E., Cleveland, Ohio. Self-soldering sleeve. 2,504,512, Apr. 18.

Essman, Manuel, New York, N. Y. Packaging and displaying device. 2,524,345, Oct. 3.
Esso Export Corporation, assignee: *See*—
Knight, Joseph E.
Esson, Edwin, Kansas City, Mo. Cookstove. 2,513,407, July 4.
Esson, Edwin, assignor to Locke Stove Company, Kansas City, Mo. Cookstove. 2,530,159, Nov. 14.
Estavex S. A., assignee: *See*—
Fortier, Andre.
Esterberg, Albin E.: *See*—
Collins, Neil R., and Esterberg.
Esterbrook Pen Company, assignee: *See*—
Klagges, Henry C., and Kofke.
Townsend, Samuel E.
Esterly, Amos R.: *See*—
Davies, Richard E., and Esterly.
Esterow, Leo, New York, N. Y. Cigarette case. 2,498,035, Feb. 21.
Estes, Cameron B., assignor to Eastman Kodak Company, Rochester, N. Y. Slide changing device. 2,533,441, Dec. 12.
Estes, Nelson N., Austin, Tex., and L. Fleming, Falls Church, Va. Microphone testing device. 2,530,383, Nov. 21.
Estes, Rufus B., Knoxville, Tenn. Meat tenderizing machine. 2,520,032, Aug. 22.
Estey, James R., South Pasadena, assignor to Aluminex Incorporated, Los Angeles, Calif. Portable inclined elevator. 2,526,071, Oct. 17.
Estler, Louis C.: *See*—
Falconer, William H., and Estler.
Estoup, Henri: *See*—
Estoup, Jean.
Estoup, Jean, otherwise known as H. Estoup, Sceaux, assignor to Societe D'Applications Generales D'Electricite et de Mecanique, "Sagem," Paris, France. Telegraphic apparatus of the starting-stopping type. 2,494,232, Jan. 10.
Esty, Charles C., Framingham, assignor to Norton Company, Worcester, Mass. Grinding wheel and bushing therefor. 2,519,035, Aug. 15.
Esval, Orland E.: *See*—
Tracy, William L., Esval, and Robins.
Etablissements Ad. Mischler (Société à Responsabilité Limitée), assignee: *See*—
Thomassin, Pierre.
Etablissements Alba, assignee: *See*—
Laurant, Fernand R. H.
Etablissements Colmant & Cuvelier, assignee: *See*—
Colmant, Jean.
Etablissements Ed. Jaeger, assignee: *See*—
Rodanet, Charles H. H.
Etablissements Edgar Brandt, assignee: *See*—
Gourdon, Robert.
Jasse, Joseph R.
Schwayder, Robert.
Etablissements Edouard Belin, assignee: *See*—
Lanfe, Maurice.
Etablissements Horstmann, assignee: *See*—
Gloton, Gaston P. V.
Etablissements Marcel Gaupillat, assignee: *See*—
Loret, Jacques.
Etablissements Merlin & Gerin, assignee: *See*—
Latour, Andre, and Chambrillon.
Etablissements Stylomine (Societe Anonyme), assignee: *See*—
Zuber, Yves.
Etablissements Vidus-Huet & Cie, assignee: *See*—
Grosbois, Lucien.
Etched Products Corporation, assignee: *See*—
Penker, Ernest, and Bulin.
Etherington, Lewis D.: *See*—
Scheeline, Harold W., Etherington, and Morgan.
Ethyl Corporation, assignee: *See*—
Austin, Chester R., and Rogers.
Calingaert, George.
Calingaert, George, and Shapiro.
Kolka, Alfred J., and Ligett.
Krohn, Ivar T.
Madden, Harold J.
Padgitt, Frank L.
Padgitt, Frank L., and Kirby.
Shapiro, Hymin.
Etienne, Alfred, assignor to L'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procedes Georges Claude, Paris, France. Separating by liquefaction gaseous mixtures into their constituents. 2,534,903, Dec. 19.
Etnyre, E. D., & Co., assignee: *See*—
Etnyre, George M.
Etnyre, George M., assignor to E. D. Etnyre & Co., Oregon, Ill. Distributing apparatus for bituminous and like material. 2,505,390, Apr. 25.
Etnyre, George M., Oregon, Ill. Brake controlled accelerator linkage. 2,532,544, Dec. 5.
Ettinger, Wallace J., Chicago, Ill., assignor to Hotpoint Inc. Electric switch. 2,517,392, Aug. 1.
Ettl, Joseph, Brooklyn, assignor to Rogers Industries, Inc., New York, N. Y. Rotary polishing and laminating machine. 2,511,703, June 13.
Ettlinger, Fred V., Jr., Port Richmond, N. Y. Spring-biased pivoted closure. 2,524,191, Oct. 3.
Etzler, Dorr H.: *See*—
Clayton, James O., and Etzler.
Eubank, Lowell D.: *See*—
Boller, Ernest R., Eubank, and Littler.
Euclid Road Machinery Co., The, assignee: *See*—
Armington, Raymond Q.
Armington, Raymond Q., and Double.
Double, Walter F.
Double, Walter F., and S. F. and R. Q. Armington.
Quartullo, Orpheus F.
Eudy, Charles N., Ackerman, Miss. Article holder. 2,515,955, July 18.
Eunson, William H.: *See*—
Whittaker, Charles C., and Eunson.
Eureka Specialty Printing Co., assignee: *See*—
Stephenson, Ernest I.
Thurston, Norman R.
Eureka Television and Tube Corporation, assignee: *See*—
Stanier, Andrew.
Eureka Williams Corporation, assignee: *See*—
Bissey, Roland L.
Cross, George R.
Hammell, Kemper M.
Hammell, Kemper M., and Witherell.
Osborn, Ralph C.
Osborn, Ralph C., and Foley.
Stoops, Marion W.
Trimble, Roy L.
Warner, Roland O.
Eurich, James V.: *See*—
Eurich, Joe E. G. and J. V.
Eurich, Joe E. G., Manchester, and J. V. Eurich, Bolton, England. Electric motor and generator. 2,532,700 Dec. 5.
Eustis, William E. C.: *See*—
Konrad, Erich H., and Eustis.
Eutzler, Enos, Mishawaka, Ind. Drapery ring. 2,533,780, Dec. 12.
Euverard, Maynard R., Cincinnati, Ohio, assignor to International Corporation, New York, N. Y. Wet film gauge. 2,507,592, May 16.
Euzent, Simon, Baltimore, Md. Fishing hook snapper. 2,530,007, Nov. 14.
Evans, Adele H., Hollywood, Fla. Separable garment. 2,515,082, July 11
Evans, Alfred W., Gloucester, Va. Winch control mechanism. 2,532,360, Dec. 5.
Evans, Aubrey T.: *See*—
Ricardo, Harry R., and Evans.
Evans, Carroll L., Tipton, Calif. Electrical cattle guard. 2,512,740, June 27.
Evans Case Co., assignee: *See*—
Greene, Joseph S.
Reilly, Alfred F.
Evans, Charles S., Atherton, Calif., assignor, by mesne assignments, to Morton Gregory Corporation. Ferrule for welding. 2,493,283, Jan. 3.
Evans, Clair O., New York, N. Y. Tool for removing tubes from tube sheets. 2,507,201, May 9.
Evans, Cyril D.: *See*—
Croston, Clarence B., Evans, McKinney, and Cowan.
Evans, Cyril D., C. W. Ofelt, and A. K. Smith, Peoria, Ill., assignors to the United States of America as represented by the Secretary of Agriculture. Fibers from zein. 2,521,704, Sept. 12.
Evans, Drue E.: *See*—
Morris, Herbert E., and Evans.
Evans, Edmund A., and G. H. Porter, Pittsfield, Mass., assignors to General Electric Company. Resistance material. 2,529,144, Nov. 7.
Evans, Edmond W., Bartlesville, Okla., assignor to Phillips Petroleum Company. Apparatus for vaporizing liquefied gas. 2,522,026, Sept. 12.
Evans, Edward M., Tonbridge, and H. T. Hookway, Croydon, assignors to British Resin Products Limited, London, England. Production of polyallyl derivatives. 2,535,533, Dec. 26.
Evans, Edward M., Tonbridge, and H. T. Hookway, Waddon, Croydon, assignors to British Resin Products Limited, London, England. Allyl-substituted 1,3,5-trimethylene trisulfone. 2,535,534, Dec. 26.
Evans, Eldred E.: *See*—
Morse, Stanley H., and Evans.
Evans, Emanuel E., assignee: *See*—
Kish, John S.
Evans, Enoch, Great Bend, Kans. Signaling device for fishing lines. 2,530,050, Nov. 14.
Evans, George C., U. S. Navy. Underwater sonic apparatus. 2,504,118, Apr. 18.
Evans, George E., Collins, assignor of one-half to C. S. Fielding, Buffalo, N. Y. Knockdown chair. 2,514,125, July 4.
Evans, H. C., & Company, assignee: *See*—
Andres, Lloyd J.
Evans, Harold R., Olympia, and D. L. Schubert, assignors to Plywood Research Foundation, Tacoma, Wash. Mechanical time delay mechanism. 2,497,874, Feb. 21.
Evans, James, Cody, Wyo. Safety watch attachment. 2,512,201, June 20.
Evans, James E., Wallingford, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Diluting steam or moisture formed or released during regeneration of contact material. 2,500,938, Mar. 21.

Evans, James S., San Marino, Calif. Occupant propelled roundabout. 2,516,049, July 18.
Evans, John, Kingston, N. J., assignor to Radio Corporation of America. Variable reactive microwave device. 2,532,157, Nov. 28.
Evans, John, assignor to Mountain Valve Company, Inc., Salt Lake City, Utah. Apparatus for regenerating a water softener. 2,506,711, May 9.
Evans, John, assignor to Mountain Valve Company, Inc., Salt Lake City, Utah. Valve for water softening apparatus. 2,532,614, Dec. 5.
Evans, John K.: *See*—
Bailey, Maurice E., and Evans.
Evans, John L., Sumter, and T. N. Busch, Georgetown, S. C. Transporation assembly. 2,530,866, Nov. 21.
Evans, Joseph, Shelton, assignor to The Armstrong Rubber Company, West Haven, Conn. Pneumatic float. 2,496,460, Feb. 7.
Evans, Julian F.: *See*—
Silverman, Daniel, Eisler, and Evans.
Evans, Kenneth R., Rocky River, and R. W. Thomas, Amherst, said Evans assignor to E. E. Boyer, doing business as Boyer Industries, Cleveland, Ohio. Adjustable stand. 2,510,688, June 6.
Evans, Leon M., and R. B. Heath, Houston, Tex., assignors to The Texas Company, New York, N. Y. Clamping device. 2,524,436, Oct. 3.
Evans, Llewellyn, Chattanooga, Tenn., assignor to Tennessee Valley Authority. Storage battery plate. 2,515,204, July 18.
Evans, Louis P., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Method and apparatus for hydrocarbon conversion. 2,499,304, Feb. 28.
Evans, Louis P., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Hydrocarbon conversion process. 2,531,356, Nov. 21.
Evans, Louis P., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Method and apparatus for hydrocarbon conversion. 2,534,859, Dec. 19.
Evans, Lyle W.: *See*—
Schulman, James H., Evans, and Ginther.
Evans, Morris S., A. O. Kleckner, and E. A. Watson, Buffalo, assignors to American Car and Foundry Company, New York, N. Y. Band groove serrating machine. 2,532,397, Dec. 5.
Evans Products Company, assignee: *See*—
Farber, Eduard.
Farber, Eduard, and Sciascia.
Nampa, Sulo, M.
Nampa, Sulo M., Tobin, and Dunlap.
Sanders, Elmore J.
Storch, Harold A.
Evans, Quentin J., New York, N. Y., and A. Kushner, Oak Ridge, Tenn., assignors to the United States of America as represented by the United States Atomic Energy Commission. Adjustable centrifugal switch. 2,516,050, July 18.
Evans, Ralph L., assignee: *See*—
Linsker, Fred.
Evans, Ralph L., Bay Shore, and F. Linsker, New York, N. Y.; said Linsker assignor to said Evans. N-oxides of tertiary amines and preparing same. 2,518,130, Aug. 8.
Evans, Raymond J.: *See*—
Schneider, Julius L., and Evans.
Evans, Raymond N.: *See*—
Mitman, Harry A., and Evans.
Evans, Raymond N., assignor to Masonite Corporation, Laurel, Miss. Lignin resins and making same. 2,501,666, Mar. 28.
Evans, Raymond N., and A. P. Ingrassia, assignors to Masonite Corporation, Laurel, Miss. Lignin resins and making same. 2,494,545, Jan. 17.
Evans, Raymond N., and A. P. Ingrassia, assignors to Masonite Corporation, Laurel, Miss. Lignin resins and making same. 2,501,665, Mar. 28.
Evans, Richard H., London, England, assignor to The Babcock & Wilcox Company, Rockleigh, N. J. Pulverizer arranged for recirculation and classification of material. 2,522,027, Sept. 12.
Evans, Richard J., and J. B. Barrow, Berkeley, Calif., said Barrow assignor to said Evans. Packaging receptacle with latching handle. 2,508,909, May 23.
Evans, Robert H. B., Buffalo, N. Y. Logarithmic calculator. 2,510,391, June 6.
Evans, Robert L., Salt Lake City, Utah, assignor to the United States of America as represented by the Secretary of the Interior. Production of magnesium carbonate or magnesium oxide containing little or no calcium. 2,519,361, Aug. 22.
Evans, Robert P., and E. H. Miller, Jr., assignors to Pla-Safe Plastics Corporation, Buffalo, N. Y. Cutting woven plastic to form a displaced edge. 2,519,330, Aug. 15.
Evans, Roy J.: *See*—
Nixon, Alan C., Deal, and Evans.
Evans, Russell T., and J. H. Clasen, Anaheim, Calif., assignors to J. I. Case Company, Racine, Wis. Elevational control means for tandem disk harrows. 2,494,381, Jan. 10.
Evans, Sidley O.: *See*—
Harter, Isaac, Jr., and Evans.
Evans, Sterling L., Kansas City, Mo. Cattle sprayer. 2,498,946, Feb. 28.
Evans, Theodore W.: *See*—
Adelson, David E., and Evans.
Bergsteinsson, Ingolfur, Evans, and Scheibli.
Hatch, Lewis F., and Evans.
Evans, Theodore W., Oakland, and D. E. Adelson and L. N. Whitehill, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Copolymers of diallyl phthalate with allyl vinyl phthalate. 2,500,607, Mar. 14.
Evans, Theodore W., Oakland, and R. Whetstone, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Lubricant. 2,524,563, Oct. 3.
Evans, Thomas, assignor to Baker Perkins Inc., Saginaw, Mich. Drier. 2,517,857, Aug. 8.
Evans, Thomas J., Portsmouth, Va. Pipe-cutting tool. 2,502,711, Apr. 4.
Evans, Thomas R., Sumter, S. C. Portable vise having a nut-operated jaw pivotally mountable in a selected fulcrum aperture. 2,505,105, Apr. 25.
Evans, Vincent J., Lakewood, assignor to Grand Industries, Inc., Cleveland, Ohio. Fluid fuel control device for multiple burners. 2,509,679, May 30.
Evans, Wil, assignee: *See*—
Norton, Homer E.
Evans, William, assignee: *See*—
Markham, Philip E.
Evans, William M., Inglewood, assignor to U. S. Electrical Motors, Inc., Los Angeles, Calif. Lubricating system. 2,500,454, Mar. 14.
Evans, Willie, London, England. Face and eye shield. 2,509,680, May 30.
Eve, Philip H., Fort Worth, Tex. Floating support for growing plants. 2,531,562, Nov. 28.
Evens, George E., Needham, Mass. All-weather crutch. 2,527,180, Oct. 24.
Everard, Joseph J.: *See*—
Morrison, David, and Everard.
Eveready Hardware Mfg. Co., Inc., assignee: *See*—
Rummelsburg, Alvin S.
Everel Propeller Corporation, assignee: *See*—
Hackethal, Paul F.
Hackethal, Paul F., and Karey.
Everest, George H., Fresno, Calif., assignor to Carter Carburetor Corporation, St. Louis, Mo. Fuel supply system for engines. 2,504,670, Apr. 18.
Everest, Herbert A., and H. C. Jennings, Los Angeles, Calif. Foot and leg rest. 2,520,309, Aug. 29.
Everett, Charles V., assignor to The Massey-Harris Company, Racine, Wis. Gathering reel for harvesters. 2,506,016, May 2.
Everett, Robert R.: *See*—
Forrester, Jay W., and Everett.
Everett, Samuel J., Thornton Heath, England. Production of glass and other thermoplastic tubes. 2,507,300, May 9.
Everett, Samuel J., Thornton Heath, England. Thermoplastic tube forming apparatus. 2,532,091, Nov. 28.
Evergrip, Incorporated, assignee: *See*—
Stevenson, Thomas.
Everhart, Edgar, Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Magnetron oscillator. 2,532,545, Dec. 5.
Everhart, Marcel L., assignor of one-half to D. Holland, Washington, D. C. Bottle carrier. 2,510,392, June 6.
Evering, Bernard L.: *See*—
Lien, Arthur P., and Evering.
Lien, Arthur P., Evering, and Shoemaker.
Shoemaker, Bernard H., and Evering.
Evering, Bernard L., and E. F. Peters, assignors to Standard Oil Company, Chicago, Ill. Propylene polymerization with HF—BF_3. 2,528,876, Nov. 7.
Everist, Richard L., Plymouth, Ind. Pitman connection for children's wagons. 2,516,193, July 25.
Everitt, Fay E., Santa Monica, Calif. Brassière. 2,497,934, Feb. 21.
Everitt, Ronald, Aurora, Ill. Automatic door. 2,531,119, Nov. 21.
Everitt, William L., Urbana, assignor to Motorola, Inc., Chicago, Ill. Car body antenna. 2,520,988, Sept. 5.
Everley, Paul S., San Francisco, Calif. Cable clamp. 2,524,254, Oct. 3.
Everly, Ralph E.: *See*—
Gantz, John C., Holl, and Everly.
Evers, Arthur J., Brooklyn, N. Y. Felt hardening machine. 2,495,923, Jan. 31.
Evers, Dillon, East Lansing, Mich. Can opening and spout forming device. 2,516,375, July 25.
Evers, Dundred D.: *See*—
Stephan, Ingo L., and Evers.
Evers, Edward P., Overland, Mo. Tripod head for cameras and the like. 2,530,294, Nov. 14.
Evers, William L., Moorestown, N. J., assignor to Rohm & Haas Company, Philadelphia, Pa. Cation-exchange resins in spheroidal form. 2,518,420, Aug. 8.
Evers, William L., Moorestown, N. J., assignor to Rohm & Haas Company, Philadelphia, Pa. Anion-exchange resins in spheroidal form. 2,521,288, Sept. 5.
Eversharp, Inc., assignee: *See*—
Martin, Henry G.
Evershed & Vignoles Limited, assignee: *See*—
Rolfe, George B.
Evert, Samuel H., assignee: *See*—
Horning, James W.

Evertz, Eugene: *See*—
Bassett, Charles A. L., and Evertz.

Every, William W., Clinton, Mich. Conversion oil burner, including a vertically adjustable float chamber. 2,527,921, Oct. 31.

Evins, Inc., assignee: *See*—
Levin, David E.

Ewald, Warren, and C. E. Miller, assignors to United States Air Conditioning Corporation, Minneapolis, Minn. Control system for air-conditioning apparatus. 2,520,535, Aug. 29.

Ewald, William P., assignor to Eastman Kodak Company, Rochester, N. Y. Frame counter. 2,500,027, Mar. 7.

Ewaldson, Waldemar C.: *See*—
Boynton, Stanley E., and Ewaldson.

Ewalt, Wolford M., Niagara Falls, N. Y., assignor to the United States of America as represented by the United States Atomic Energy Commission. Production of mesitylene. 2,526,213, Oct. 17.

Ewart, John, assignor to H. M. Lawrence, Johannesburg, Transvaal, Union of South Africa. Shears. 2,517,471, Aug. 1.

Ewart, John M., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Quadruple 20 millimeter gun mount mechanism for controlling the aiming of a gun. 2,534,344, Dec. 19.

Ewbank, Walter J., assignor, by mesne assignments, to The Briggs Filtration Company, Bethesda, Md. Stacked disk filter. 2,495,095, Jan. 17.

Ewell, Robert B., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Thermal conversion of hydrocarbons. 2,532,615, Dec. 5.

Ewer, Kendall S., Cape May, N. J. Apparatus for laminating strands to form a circular fabric. 2,502,514, Apr. 4.

Ewertz, Clement G., Des Moines, Iowa, assignor to Colsnac Corporation, Chicago, Ill. Vending machine. 2,493,956, Jan. 10.

Ewing, Douglas H., Chevy Chase, Md., assignor to Radio Corporation of America. Data translation device for flight simulation. 2,532,158, Nov. 28.

Ewing, Douglas H., Westmont, N. J., assignor to Radio Corporation of America. Radio navigation. 2,502,317, Mar. 28.

Ewing, Henry, Spondon, near Derby, England, assignor to Celanese Corporation of America. Treatment of textile fabrics with polyvinyl compound. 2,517,646, Aug. 8.

Ewing, Leila E.: *See*—
Blalock, Iva L., Ewing, and Hall.

Ewing, Nathaniel, trustee, assignee: *See*—
Daugherty, Fount F.

Ewing, William M., and A. C. Vine, Woods Hole, Mass., assignors to the United States of America as represented by the Secretary of the Navy. Bathythermograph. 2,515,034, July 11.

Ewins, Arthur J., Leigh-on-Sea, assignor to May & Baker Limited, Dagenham, Essex, England. Diamidine of 2-hydroxystilbene. 2,510,047, May 30.

Excel Auto Radiator Company, assignee: *See*—
Briskin, Theodore S.

Excel Automatic Products, Inc., assignee: *See*—
Mills, John E.

Excel Products, assignee: *See*—
Pazandak, Louis A.

Ex-Cell-O Corporation, assignee: *See*—
Monroe, Charles Z.

Ex-Cell-O Corporation, The, assignee: *See*—
Dixon, Charles H.
Eaton, Wilfred A.
Hallden, Erik.
Helmrich, William F.
Karweit, John W.
Mathys, Max A.
Monroe, Charles Z.
Sanford, Roy S.
Walker, James R., and Cook.
Weldy, Robert K.
Wichman, William R.

Excelsior Accordions Inc., assignee: *See*—
Bugari, Torquato.

Excelsior Machine Company, assignee: *See*—
Pohl, Alois M., and Herber.

Executive Secretary of the Office of Scientific Research and Development, United States of America as represented by the, assignee: *See*—
Beranek, Leo L.
Wallace, Robert L., and Stevens.

Exhibit Supply Company, assignee: *See*—
Hughes, Edward H.
Meyer, Clare G.
Roeser, John O.

Exline, Paul G., Tulsa, Okla., and J. R. Aikins, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Viscometer. 2,503,660, Apr. 11.

Exner, Donald W.: *See*—
Austin, Bascum O., Walley, and Exner.

Exner, Donald W., Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Protective system. 2,500,939, Mar. 21.

Exner, Hellmuth A. A., Florida, Argentina. Centrifugal refrigerating machine. 2,522,781, Sept. 19.

Exner, Hellmuth A. A., Florida, Argentina. Centrifugally operated machine. 2,529,765, Nov. 14.

Exner, Peter Daniel, Regina, Saskatchewan, Canada. Antiglare device. 2,518,766, Aug. 15.

Exolon Company, The, assignee: *See*—
Walton, Samuel F., and Bassett.

Exomet Incorporated, assignee: *See*—
Pietsch, Erich C., and Bock.

Expanded Rubber Company Limited, assignee: *See*—
Booth, Stanley.

Extended Surface Division of David E. Kennedy, Inc., assignee: *See*—
Schryber, Emil A.

Extruded Plastics, Inc., assignee: *See*—
Slaughter, Charles E.

Eyelet Specialty Company, The, assignee: *See*—
Hopgood, Robert B.
Isele, Louis E.

Eyerly, Russell B., Salem, Oreg. Connector for irrigation pipes. 2,499,476, Mar. 7.

Eymeric, Emile, Tunis, Tunisia. Rotary drum and perforate cylinder for removing fruit pits. 2,500,981, Mar. 21.

Eynard, Elysèe, Lyon, France. Hydraulic pump. 2,503,614, Apr. 11.

Eyster, Floyd E., Rockford, assignor, by mesne assignments, of one-half to The Peterson Oven Company, Chicago, Ill. Apparatus for emptying bread pans. 2,524,656, Oct. 3.

Eyster, James A: *See*—
Washburne, Brenton P., and Eyster.

Eytalis, Peter J., Rockford, assignor to Borg-Warner Corporation, Chicago, Ill. Combination machine tool and surface-hardening apparatus and method. 2,513,263, June 27.

Ezbelent, Georges E., Paris, France. Hydraulic shock absorber. 2,512,269, June 20.

F. A. R. Liquidating Corporation, assignee: *See*—
Harris, Albert S.

F K G Fritz Kesselring Gerätebau Aktiengesellschaft, assignee: *See*—
Kesselring, Fritz.

F-R Machine Works, assignee: *See*—
Hollstein, Oswald C.

Faas, Walter, South Orange, assignor to The Bates Manufacturing Company, West Orange, N. J. Index device in which a selected sheet is held down and sheets thereabove lifted. 2,494,167, Jan. 10.

Faasse, Adrian L., assignor to The Snow Corporation, Omaha, Nebr. Umbrella supporting structure. 2,515,993, July 18.

Faatz, Embry D., Sidney, and M. G. Weatherly, Mount Upton, assignors to Bendix Aviation Corporation, New York, N. Y. Spark plug construction. 2,525,536, Oct. 10.

Faber, Knud A., and J. L. Jensen, Aarhus, Denmark. Composition for and method of coating concrete structures. 2,522,707, Sept. 19.

Fabiá, Manuel A. G.: *See*—
Clausen, Heriberto E. G. J., and Fabia.

Fabis, Anthony J., Chicago, Ill. Comb. 2,497,983, Feb. 21.

Fabis, Anthony J., Chicago, Ill. Receptacle for backs of hair combs. 2,513,853, July 4.

Fabis, Bruno J., Melrose Park, Ill. Signal for mailboxes. 2,498,260, Feb. 21.

Fabre, Jeanne M. L. P., assignee: *See*—
Flanzy, Michel P. P.

Fabre, Oliver T., assignee: *See*—
Blunt, Jack C.

Fabric Research Laboratories, Inc., assignee: *See*—
Painter, Erle V., Jr.

Fabric-Edging Machine Corporation, assignee: *See*—
Gardner, Anna M.

Fabriks A. B. Forslund & Co., assignee: *See*—
Forslund, Johna E.

Fabrique Suisse de Crayons Caran D'Ache S. A., assignee: *See*—
Schweitzer, Arnold.
Von Allmen, Fritz.

Fabrizio, George R., assignee: *See*—
Braun, Aloysuis P.

Fabrizio, Tito, Geneva, Ohio, assignor of one-fourth to R. S. Pyle. Mandrel for tube drawing. 2,525,258, Oct. 10.

Faccou, Armand L., Santa Ana, assignor to Chiksan Company, Brea, Calif. Packed antifriction swivel connection. 2,509,090, May 23.

Faccou, Armand L., Santa Ana, assignor to Chiksan Company, Brea, Calif. Construction sealing between relatively rotating elements. 2,509,091, May 23.

Fa-Cile Fastener Corporation, assignee: *See*—
Lamarthe, Alfred E.

Factory Mutual Research Corporation, assignee: *See*—
Causer, Herbert W.
Thompson, Norman J.

Fader, Edmund F., Philadelphia, Pa., assignor to The Jeffrey Manufacturing Company. Continuous vibrating reaction chamber. 2,498,405, Feb. 21.

Fader, William, Newark, N. J. Portable cooking or heating oven. 2,501,935, Mar. 28.

Faehnel, Arthur C., Milwaukee, Wis. Steak tenderizer. 2,506,862, May 9.

Faelten, Carl R.: *See*—
Morgan, Willard L., and Faelten.

Fafnir Bearing Company, The, assignee: *See*—
Searles, Raymond R.

Fagan, James J., Muskegon, Mich. Memorandum paper holder. 2,511,771, June 13.

Fagen, William F., assignor to Stewart-Warner Corporation, Chicago, Ill. Electric fence. 2,500,311, Mar. 14.

Fagen, William F., Indianapolis, Ind., assignor to Stewart-Warner Corporation, Chicago, Ill. Gaseous acid anhydride detection apparatus. 2,508,238, May 16.

Fagen, William F., Ormond Beach, Fla., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Iron core variometer. 2,509,425, May 30.

Fagen, William F., Indianapolis, Ind., C. W. Klug and A. C. Allen, assignors to Stewart-Warner Corporation, Chicago, Ill. Electronic ignition and generator control apparatus. 2,494,749, Jan. 17.

Fageol, R. D., Co., assignee: *See*—
Leibing, William E.
Leibing, William E., and Fageol.

Fageol, Robley D.: *See*—
Leibing, William E., and Fageol.

Fagge, Walter E., Paoli, Pa. Rod bending device. 2,502,713, Apr. 4.

Faggen, Leon I., Detroit, Mich. Armrest for vehicle use. 2,530,384, Nov. 21.

Fahland, Frank, Omaha, Nebr. Supporting crossbar for vehicles. 2,514,229, July 4.

Fahlander, Hjalmar, assignor to Ingenjorsfirman Lifa A/B, Abrahamsberg, Stockholm, Sweden. Vise having adjustable facepieces. 2,502,784, Apr. 4.

Fahlgren, Sven A.: *See*—
Young, Frank W., and Fahlgren.

Fahlman, Everett G., assignee: *See*—
Lavery, Richard T., Sr.

Fahlman, Everett G., and S. W. Jackson, assignors to The Permold Company, Medina, Ohio. Piston mold. 2,527,537, Oct. 31.

Fahnestock, Frank C., Manhasset, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated. Apparatus for gaseous conversions in presence of a moving contact material. 2,499,305, Feb. 28.

Fahnestock, Frank C., Manhasset, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated. Gas-solid contact apparatus. 2,522,354, Sept. 12.

Fahnoe, Frederick, Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Purifying propargyl alcohol. 2,527,358, Oct. 24.

Fahnoe, Harold H.: *See*—
Rawlins, Herbert L., and Fahnoe.

Fahnoe, Harold H., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,496,704, Feb. 7.

Fahrner, Ted, Whittier, Calif., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Wide range radiation intensity meter. 2,524,901, Oct. 10.

Faile, Thomas H., White Plains, N. Y. Electrical swivel connection. 2,502,252, Mar. 28.

Failing, George E., Supply Company, The, assignee: *See*—
Alexander, Emmett L.

Failor, Charles W., Forest Hills, assignor to The Union Switch & Signal Company, Swissvale, Pa. Coded track circuit employing feed-back energy. 2,503,716, Apr. 11.

Fair, David H., assignee: *See*—
Hunt, Allan R.

Fair, Fred A., Sacramento, assignor of 50 per cent to L. L. Salisbury, Galt, Calif. Toothbrush and dentifrice holder. 2,509,339, May 30.

Fairbairn, Eric P., and A. A. Chubb, Coventry, assignors to The General Electric Company, Limited, London, England. Variable-frequency radio signaling apparatus. 2,523,106, Sept. 19.

Fairbairn, George C., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Thermostat. 2,506,352, May 2.

Fairbairn, George C., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Device for applying stoppers to frangible objects. 2,510,878, June 6.

Fairbairn, Robert A., Needham, Mass. Method and apparatus for separating foreign material from fine fibers. 2,513,297, July 4.

Fairbairn, Robert A., Needham, Mass. Method and apparatus for separating foreign material from fine fibers. 2,513,298, July 4.

Fairbairn, Robert A., Needham, Mass. Method and apparatus for treating cashmere or similar fleeces. 2,513,299, July 4.

Fairbairn, Robert A., Needham, Mass. Method and apparatus for separating fibers. 2,513,300, July 4.

Fairbairn, Robert A., Needham, Mass. Method and apparatus for removing burrs and other vegetable defect from textile fibers. 2,513,301, July 4.

Fairbank, Murry N., Belmont, assignor to Polaroid Corporation, Cambridge, Mass. Combined control means for adjusting aperture size and shutter speed of cameras. 2,504,312, Apr. 18.

Fairbank, Murry N., Weston, assignor to Polaroid Corporation, Cambridge, Mass. Reticle mount. 2,500,405, Mar. 14.

Fairbank, Murry N., Belmont, and S. B. Whittier, assignors to Polaroid Corporation, Cambridge, Mass. Camera shutter mechanism. 2,531,936, Nov. 28.

Fairbank, William M.: *See*—
Counter, Virgil A., Fairbank, and Halpern.

Fairbanks, Avard F., Los Angeles, Calif., assignor to North American Aviation, Inc. Precision speed control. 2,523,503, Sept. 26.

Fairbanks Company, The, assignee: *See*—
Mullen, James F., and Hanson.
Torkelson, Torkel E.

Fairbanks, Gordon J., and V. N. Tramontini, Indianapolis, Ind., assignors to Stewart-Warner Corporation, Chicago, Ill. Heating and ventilating system. 2,532,486, Dec. 5.

Fairbanks, Henry N., Beverly Hills, assignor to Mitchell Camera Corporation, West Hollywood, Calif. Film sprocket clamp. 2,513,084, June 27.

Fairbanks, Henry N., Brighton, N. Y., assignor to Mitchell Camera Corporation, Glendale, Calif. Constant tension device for feeding strips such as film. 2,513,085, June 27.

Fairbanks, Henry N., West Hollywood, Calif., assignor to Eastman Kodak Company, Rochester, N. Y. Control arrangement for photographic cameras. 2,494,038, Jan. 10.

Fairbanks, Henry N., Beverly Hills, and V. H. Eisler, Hollywood, assignors to Mitchell Camera Corporation, West Hollywood, Calif. Speed control. 2,534,430, Dec. 19.

Fairbanks, Morse & Co., assignee: *See*—
Anderson, Gordon R.
Browne, Albert A
Davids, Hans.
Edens, Henry N.
Endsley, Louis E., and Justus.
Kuttner, Julius.
Lindfors, Onni.
McGuire, Kenneth L.
Schowalter, Clarence H.
Thompson, Lionel D.
Vogel, Edward A., and Lindbeck.

Fairchild Camera and Instrument Corporation, assignee: *See*—
Craig, Burnie M., and Robinson.
Doyle, Irving W.
Doyle, Irving W., and Johnson.
Doyle, Irving W., and White.
Gacki, Leonard W.
Gacki, Leonard W., and Brasser.
Jonke, Joseph L.
Moore, David W., Jr.
Nash, Alfred G.
Roters, Herbert C.

Fairchild, Charles F., Fulton, Mo. Welder's workholder. 2,524,969, Oct. 10.

Fairchild, Charles O.: *See*—
Parsegian, Vozcan L., Fairchild, and Walker.

Fairchild, Charles O., St. Albans, N. Y. Thermometer tube. 2,535,628, Dec. 26.

Fairchild, Charles O., St. Albans, N. Y. Thermometer tube. 2,535,629, Dec. 26.

Fairchild Engine and Airplane Corporation, assignee: *See*—
De Pew, Chester C.
De Pew, Chester C., and Gregory.
Gassner, Alfred A.
Gregory, Alfred T.
Jacobson, Joel M., Brader, and Fleck.

Fairchild & Gross: *See*—
Fairchild, Wayne K.

Fairchild-Gross Manufacturing Co., assignee: *See*—
Fairchild, Wayne K.

Fairchild, Polley & Eliel, Inc., assignee: *See*—
Miller, Franklin C., and Brumfield.

Fairchild, Wayne K., Renton, Wash., assignor to Fairchild-Gross Manufacturing Co., also known as Fairchild & Gross. Mixing valve. 2,519,448, Aug. 22.

Fairey Aviation Company, Limited, assignee: *See*—
Forsyth, Archibald G.
Lisle, William G., and Churn.

Fairfield Engineering Company, The, assignee: *See*—
Lang, William H.

Fairfield Lumber and Supply Co., The, assignee: *See*—
Deuschle, Basil C.

Fairfield Paper and Container Company, The, assignee: *See*—
Morrison, Hugh S.
Woodward, William W.

Fairfield Shipbuilding and Engineering Company Limited, The, assignee: *See*—
Davis, Allan W.

Fairgrieve, Albert D., Vancouver, British Columbia, Canada. Vacuum cleaning cabinet for dust mops. 2,499,183, Feb. 28.

Fairlamb, George R., Pelham, assignor to General Hospital Supply Service, Inc., New York, N. Y. Oxygen tent canopy. 2,497,832, Feb. 14.

Fair Lawn Finishing Company, assignee: *See*—
Helmus, Weldon G.

Fairman, Harry C., Huntington Park, Calif. Pressure lubricator. 2,506,712, May 9.

Fairmount Tool and Forging Inc., assignee: *See*—
Sargent, Frank T.

Fairweather, David A. W.: *See*—
Coffey, Samuel, Driver, and Fairweather.
Coffey, Samuel, Driver, Fairweather, and Irving.
Coffey, Samuel, Fairweather, and Hathway.

Fairymead Sugar Company Limited, assignee: *See*—
Vichie, Martin, and Young.

Faith, Herman E., New Palestine, Ind., assignor to Allied Laboratories, Inc., Kansas City, Mo. 2-sulfanilamido-5-carbamylthiazole and its production. 2,510,925, June 6.
Faith, Herman E., New Palestine, Ind., assignor to Allied Laboratories, Inc., Kansas City, Mo. Dicarboxylic acid derivatives of 2-sulfanilamido-1,3,4-thiadiazole. 2,518,227, Aug. 8.
Faith, Herman E., New Palestine, Ind., assignor to Allied Laboratories, Inc., Kansas City, Mo. Amides of dicarboxylic acid derivatives of 2-sulfanilamidothiazole. 2,518,228, Aug. 8.
Faitout, André C., Valentigney, and P. R. Lestage, Gare de Le Sen par Labrit, France. Rotary internal-combustion engine. 2,516,051, July 18.
Falco, Domenico, North Providence, R. I. Hand lighter for oil stoves. 2,524,521, Oct. 3.
Falco, Louis L., assignor to The Dextone Company, New Haven, Conn. Hydraulic cement compositions. 2,517,993, Aug. 8.
Falcofsky, Albert, assignee: *See*— Hayden, Arthur C.
Falcon, William V., Revere, Mass. Internal-combustion engine. 2,493,481, Jan. 3.
Falcon, William V., Revere, Mass. Cylinder head structure for internal-combustion engines. 2,533,442, Dec. 12.
Falcone, Joseph, New York, N. Y. Electrical testing instrument. 2,505,177, Apr. 25.
Falcone, Ralph, Washington, D. C. Scaffold or trestle header. 2,496,526, Feb. 7.
Falconer, William H., Ridgewood, and L. C. Estler, Wortendyke, N. J. Making intaglio or gravure printing plates. 2,532,701, Dec. 5.
Faler, John A., Farmington, assignor to Detrex Corporation, Detroit, Mich. Filter-conveyer for solvent extractors. 2,516,968, Aug. 1.
Fales, Forrest G., Marblehead, assignor to Sylvania Electric Products Inc., Salem, Mass. Sequential inspection recorder. 2,530,351, Nov. 14.
Fales, John H.: *See*— Fulton, Robert A., and Fales.
Falk, Charles T. and J. M., Kansas City, Mo. Motor truck body. 2,495,447, Jan. 24.
Falk & Company, assignee: *See*— Gutkin, Samuel S.
Falk Corporation, The, assignee: *See*— Schmitter, Walter P.
Falk, Harold W., Minneapolis, assignor to Wright Products, Inc., St. Paul Park, Minn. Window fastener. 2,498,535, Feb. 21.
Falk, Herbert G., Dinsmore, Saskatchewan, Canada. Table horseshoe projector. 2,514,994, July 11.
Falk, Irving M., Philadelphia, Pa. Constructing pockets. 2,519,126, Aug. 15.
Falk, Joseph M.: *See*— Falk, Charles T. and J. M.
Falk, Sven G., Stockholm, Sweden, assignor to Hartford National Bank and Trust Company, Hartford, Conn., trustee. Tone arm return mechanism. 2,508,019, May 16.
Falkner, Albert R., New Kensington, Pa. Moving means for building blocks. 2,527,922, Oct. 31.
Fall, Albert P., Toledo, Ohio. Construction of piston rings. 2,504,671, Apr. 18.
Fall, John F., New Paltz, N. Y. Brush rake. 2,530,656, Nov. 21.
Fallesen, George E., assignor to Eastman Kodak Company, Rochester, N. Y. Direct positive photographs using aerial fogging developer. 2,497,875, Feb. 21.
Fallesen, George E., and J. Spence, assignors to Eastman Kodak Company, Rochester, N. Y. Producing direct positive photographic images. 2,497,876, Feb. 21.
Fallgatter, Marvin B.: *See*— Eltenton, George C., and Fallgatter.
Fallon, John, Smethwick, England. Furnace conveyer 2,495,578, Jan. 24.
Fallon, John, Smethwick, England. Automatic ash level control mechanism for gas producer units. 2,506,782, May 9.
Fallowfield, Thomas, Jr., Vancouver, British Columbia, Canada. Self-cleaning door mat. 2,533,781, Dec. 12.
Fallows, Leonard and E. V. Mellers, Spondon, near Derby, England, assignors to Celanese Corporation of America. Manufacture of hydrogen cyanide. 2,529,546, Nov. 14.
Faltis, William J.: *See*— Nechville, Edwin J., and Faltis.
Fama, Bernard A., Te Awamutu, New Zealand. Shutter for use in building constructions. 2,535,277, Dec. 26.
Famiglietti, Michael R., Aldan, Pa., assignor to ACF-Brill Motors Company, New York, N. Y. Spring suspension. 2,505,733, Apr. 25.
Famous Children's Wear, Inc., assignee: *See*— Wolf, Charles.
Fanning, Ralph R., Celina, Ohio, assignor to Winner, Inc., Berne, Ind. Automatic adjustable waistband. 2,526,813, Oct. 24.
Fanshier, Chester, Bartlesville, Okla. Tank gauge. 2,522,258, Sept. 12.
Fansteel Metallurgical Corporation, assignee: *See*— Fry, Stanley S.
Fantozzi, Vincent J.: *See*— Metzger, Leopold H., and Fantozzi.
Fantz, Fred C., Logan Township, Auglaize County, Ohio, assignor to Henry Pratt Company. Swing valve. 2,516,510, July 25.
Fantz, Fred C., Logan Township, Auglaize County, Ohio, assignor to Henry Pratt Company. Swinging slide valve. 2,530,295, Nov. 14.
Faragher, Warren F., Swarthmore, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Production of high molecular weight elastic hydrocarbon polymers in the presence of lead tetraethyl. 2,502,444, Apr. 4.
Faran, James J., Jr.: *See*— Hersh, John F., Faran, and Reitz.
Faraone, Santo J., Petaluma, Calif. Anchor. 2,526,214, Oct. 17.
Farber, Eduard, assignor to Timber Engineering Company, Washington, D. C. Precipitating silver from solutions. 2,503,104, Apr. 4.
Farber, Eduard, Washington, D. C., assignor, by mesne assignments, to Evans Products Company, Detroit, Mich. Treating wooden battery separators. 2,507,773, May 16.
Farber, Eduard, Washington, D. C., assignor, by mesne assignments, to American Walnut Manufacturers Association, Inc., Chicago, Ill. Coloring walnut sapwood using hydroquinone. 2,517,296, Aug. 1.
Farber, Eduard, Washington, D. C., assignor, by mesne assignments, to Hardwood By-Products, Inc. Alkaline sulfite digestion of hardwood. 2,528,349, Oct. 31.
Farber, Eduard, Washington, D. C., assignor, by mesne assignments, to Hardwood By-Products, Inc. Two-step digestion of hardwoods. 2,528,350, Oct. 31.
Farber, Eduard, Washington, D. C., assignor, by mesne assignments, to Hardwood By-Products, Inc., Asheville, N. C. Alkaline sulfite digestion of hardwood. 2,528,351, Oct. 31.
Farber, Eduard and M. Sciascia, Washington D. C., assignors, by mesne assignments, to Evans Products Company, Plymouth, Mich. Preparing wooden battery separators. 2,529,006, Nov. 7.
Farber, Eduard, Washington, D. C., and Matthew Sciascia, New York, N. Y., assignors to Timber Engineering Company, Washington, D. C. Recovery of silver from solutions of silver salts. 2,493,396, Jan. 3.
Farber, John D., Philadelphia, Pa. Metal treating compositions. 2,521,783, Sept. 12.
Farber, Morris, and A. Wiener, Bronx, assignors to I. J. Fox, Inc., New York, N. Y. Fur coat. 2,500,351, Mar. 14.
Farbman, William, New York, N. Y. Computing device. 2,533,443, Dec. 12.
Fargo, John G., Indianapolis, Ind. Terrazzo base grinding and polishing machine. 2,510,689, June 6.
Fargo Mfg. Company, Inc., assignee: *See*— Becker, Stephen P.
Faries Manufacturing Company, assignee: *See*— Laystrom, Carl A., and Sigler, Masterson, William F.
Faris, Harold P., Sellersville, and B. R. Koenig, Westgate Hills, assignors to Prodesco, Inc., Perkasie, Pa. Woven combined fabric body and pad and method of weaving. 2,511,500, June 13.
Faris, William W., Webster Grove, Mo. Growing feeder for poultry. 2,534,114, Dec. 12.
Farina, Alfred J., New York, N. Y. Combined goggles and defogging device. 2,526,737, Oct. 24.
Farinacci, Nicholas T., New York, N. Y. Halogenated compounds of the cholenic acid series. 2,520,276, Aug. 29.
Farinacci, Nicholas T., New York, N. Y. Beta-keto acids of the cholenic acid series. 2,520,630, Aug. 29.
Farish, Ned B., Jr., and J. O. Cox, Jr., Brandon, Miss. Quick-detachable fluid line connector. 2,525,879, Oct. 17.
Farkas, Adalbert, Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Diesel engine fuel. 2,493,284, Jan. 3.
Farkas, Adalbert, Philadelphia, Pa., and A. I. Smith, Long Beach, assignors to Union Oil Company of California, Los Angeles, Calif. Production of alicyclic alcohols. 2,497,349, Feb. 14.
Farkas, Eugene, and A. Sternberg, New York, N. Y., J. Sternberg, executrix of said A. Sternberg, deceased, said Farkas assignor to J. Sternberg. Metal foil tooling machine. 2,508,753, May 23.
Farkas, Eugene J., Detroit, assignor to Ford Motor Company, Dearborn, Mich. Automatic transmission. 2,528,584, Nov. 7.
Farkas, Eugene J., and J. W. Rackle, Detroit, assignors to Ford Motor Company, Dearborn, Mich. Oil pressure control for automatic transmissions. 2,528,585, Nov. 7.
Farkas, John W. assignor of twenty-four and one-half per cent to D. S. Cornell and twenty-four and one-half per cent to E. D. Tempel, Detroit, Mich. Gauge support. 2,516,053, July 18.
Farkas, Ladislaw V., executrix: *See*— Bloch, Rudolf, Farkas, Goldschmid, Lewin, Schnerb, and Goldschmidt.
Farkas, Pierre, Paris, France. Adjusting device for shoes of brakes of the drum type. 2,506,201, May 2.
Farlow, Mark W.: *See*— Howk, Benjamin W., and Farlow.
Farlow, Mark W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Atmospheric pressure cyanation of dihalobutenes in the liquid phase. 2,518,608, Aug. 15.

Farlow, Wayne J., San Francisco, Calif. Air washer. 2,518,455, Aug. 15.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Condensation drain valve. 2,494,434, Jan. 10.
Farmer, Daniel E., New York, N. Y., assignor to Sperry Products, Inc., Hoboken, N. J. Resonance inspection device. 2,514,482, July 11.
Farmer, Earl W., Deephaven, Minn. Hair drier. 2,497,301, Feb. 14.
Farmer, James O., Dallas, Tex., R. C. Carroll, Wilmington, Calif., and C. Tillery, Hope, Ark. System of and machine for fabricating basket webs. 2,522,571, Sept. 19.
Farmer, Roy E., Detroit, assignor to Ford Motor Company, Dearborn, Mich. Tractor steering gear. 2,507,000, May 9.
Farmers Marketing and Supply Company Limited, assignee: *See*—
Rivoche, Eugene J.
Farmers Mercantile Company, assignee: *See*—
Renault, Jean C.
Farmingdale Corporation, The, assignee: *See*—
Ericson, Albert A.
Sherwood, Walter.
Farnam, Julian P.: *See*—
Kniffen, Roy S., Farnam, and Woolery.
Farnbach, Fred A.: *See*—
Painting, Delmar E., and Farnbach.
Farnham, Alford G.: *See*—
Bender, Howard L., Farnham, and Guyer.
Farnham, Glen V., San Francisco, Calif. Fishing pole accessory. 2,623,361, Sept. 26.
Farnham, Merle G., Calhoun Farms, Wis. Cheese modifying enzyme product. 2,531,329, Nov. 21.
Farnhan, Glen V., and H. Gillespie, North Sacramento, Calif. Gold dredger. 2,521,508, Sept. 5.
Farnsworth Research Corporation, assignee: *See*—
Alexander, Maurice L.
Bartels, Arnold H.
Borst, John M.
Campbell, Clair E.
Cawein, Madison.
Cawein, Madison, and Salinger.
Cawein, Madison, and Schantz.
Cowles, Robert J.
Ferguson, Joseph C.
Ferguson, Joseph C., and Harris.
Funderburg, Paul E.
Hallmark, Clyde E.
Halstead, William S.
Harris, Samuel J.
Henroteau, François C. P.
Larson, Christian C.
Mayle, Louis F.
Salinger, Hans W. G.
Salinger, Hans W. G., and Bowman.
Schriefer, Robert G.
Selgin, Paul J.
Small, Thomas W.
Thorne, Charles L.
Weaver, Jerald D.
Farnworth, John A., Stamford, and A. G. Keeshan, Newtown, assignors to MacLachlan Hats Limited, Inc., South Norwalk, Conn. Hat crown corrugating machine. 2,517,187, Aug. 1.
Farquhar, A. B., Company, assignee: *See*—
Tranter, Watson W., Asbridge, and Hollinger.
Farquhar, Charles, assignee: *See*—
Richey, Kenneth A., and Farquhar.
Farr Company, assignee: *See*—
Farr, Morrill N.
Farr, Edward A., assignor to Noblitt-Sparks Industries, Inc., Columbus, Ind. Room heater. 2,498,157, Feb. 21.
Farr, Edward A., and J. P. Theisen, assignors to Noblitt-Sparks Industries, Inc., Columbus, Ind. Waffle iron. 2,496,705, Feb. 7.
Farr, Gray, Detroit, Mich. Retractable headlight and closure assembly. 2,516,052, July 18.
Farr, Harmon E., assignee: *See*—
Lawrence, Marion E.
Farr, Kenneth E., Bayside, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill. Ultra high frequency frequency-control arrangement. 2,499,576, Mar. 7.
Farr, Morrill N., assignor to Farr Company, Los Angeles, Calif. Panel latch. 2,513,716, July 4.
Farrall, Arthur W., assignor to The State Board of Agriculture, East Lansing, Mich. Radiant heater for preventing frost damage to plant life. 2,522,935, Sept. 19.
Farrar, Arthur, Huntington, Ind., assignor to Kraft Foods Company. Cheese hoop holder for milk can washing machines. 2,534,345, Dec. 19.
Farrar, Roland O.: *See*—
Ellsworth, Ivan W., and Farrar.
Farrel-Birmingham Company, Incorporated, assignee: *See*—
Chase, Donald C.
Gordon, William A.
Penton, Francisco T.
Schnuck, Carl F.
Tippet, Philip V.
Farrell, Eugene F.: *See*—
Neumann, George R., Farrell, and Effinger.
Farrell, Fred, Cedar Rapids, Iowa, assignor to Electrical Engineers Equipment Company, Melrose Park, Ill. Circuit breaker. 2,506,546, May 2.
Farrell, James A., assignor to Cadillac Products, Inc., Detroit, Mich. Shipping container for irregular shaped articles. 2,517,186, Aug. 1.
Farrell, John D., assignor to The Foote Company, Inc., Nunda, N. Y. Concrete mixer. 2,527,538, Oct. 31.
Farrell, John W.: *See*—
Franzel, Robert T., and Farrell.
Farrell, Lura B., Coshocton, Ohio. Combination back rest and bed tray. 2,504,190, Apr. 18.
Farrell, Raymond W.: *See*—
La Piana, Fred G., Houth, and Farrell.
Farrell, Robert A., Menasha, assignor to Marathon Corporation, Rothschild, Wis. Leakproof package and making same. 2,496,043, Jan. 31.
Farren, William S., Cambridge, assignor to The Security Patent Anchor Company Limited, London, England. Folding plow anchor. 2,507,563, May 16.
Farrington, Bruce B., Berkeley, and F. A. Leyda, La Crescenta, assignors to California Research Corporation, San Francisco, Calif. Lithium grease. 2,504,672, Apr. 18.
Farrington, Donald H., assignor to Farrington Manufacturing Company, Boston, Mass. Printing plate and supporting sheet. 2,518,535, Aug. 15.
Farrington, George H., assignor to Ilford Limited, Ilford, England. Web guiding apparatus. 2,513,927, July 4.
Farrington Manufacturing Company, assignee: *See*—
Farrington, Donald H.
Farrington, Marjorie R., Waukegan, Ill. Garment. 2,530,606, Nov. 21.
Farris, Victor W., Tenafly, N. J. Safety valve for viscous fluids. 2,505,613, Apr. 25.
Farris, Victor W., Tenafly, N. J. Safety valve. 2,517,858, Aug. 8.
Farrow, John R., Huntington Park, assignor to National Lead Company, Los Angeles, Calif. Treatment of well-drilling fluids. 2,525,783, Oct. 17.
Farrow, William E. and William L., Newark, Ohio. Level. 2,499,737, Mar. 7.
Farrow, William L.: *See*—
Farrow, William E. and William L.
Farwell, H. Russell, Quincy, Ill. Stenciling apparatus. 2,532,802, Dec. 5.
Fasce, Egi V., Baton Rouge, La., assignor to Standard Oil Development Company. Separation of olefins. 2,494,546, Jan. 17.
Fasce, Egi V., Baton Rouge, La., assignor to Standard Oil Development Company. Separation of olefins. 2,497,159, Feb. 14.
Fasco Industries, Inc., assignee: *See*—
Bean, Frank R.
Matulaitis, Victor E., and Byam.
Fasenmyer, Henry: *See*—
Fry, Elwood, and Fasenmyer.
Fash, Ralph H., Fort Worth, assignor, by mesne assignments, to Anderson, Clayton & Co., Houston, Tex. Method of and apparatus for treating latex. 2,502,445, Apr. 4.
Fash, Ralph H., Fort Worth, Tex. Refining method and apparatus. 2,512,245, June 20.
Fash, Ralph H., Fort Worth, assignor, by mesne assignments, to Anderson, Clayton & Co., Houston, Tex. Refining apparatus. 2,534,253, Dec. 19.
Fashion Foundations Corp., assignee: *See*—
Glosios, Jean.
Fassin, Gustave, Arcadia, assignor, by mesne assignments, to Applied Research Laboratories, Glendale, Calif. Movable film holder in apertured casing and locking means therefor. 2,503,661, Apr. 11.
Fassin, Gustave, Los Gatos, assignor to Adel Precision Products Corp., Burbank, Calif. Camera casing having selective cover latching means. 2,506,863, May 9.
Fast, Christiane G., assignee: *See*—
Fast, Gustave, and C.
Fast, Gustave, Salisbury, Md., F. W. C. Webb, administrator of said G. Fast, deceased, assignor to C. G. Fast. Coupling. 2,499,093, Feb. 28.
Fast, John E., & Company, assignee: *See*—
Kaim, Simon.
Fast, Marion L., South Bend, assignor to Dodge Manufacturing Corporation, Mishawaka, Ind. Cam operated clutch. 2,506,713, May 9.
Fastighetsaktiebolaget Lubo, assignee: *See*—
Bull, Carl O.
Fath, Douglas W., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Limit switch. 2,503,812, Apr. 11.
Fathauer, Ralph W., Cleveland, Ohio. Sandal with hinged wooden sole with spacer rivets therein. 2,517,472, Aug. 1.
Faucett, Floyd W., Brent, Ala. Plow attachment for tractors. 2,528,352, Oct. 31.
Faudree, Joseph H., Flushing, and F. C. Dupre, St. Albans, N. Y. Soldering tool. 2,516,194, July 25.
Faulk, Donald P.: *See*—
Dawson, John W., and Faulk.
Faulkner, Arundell W., Woking, England. Radio apparatus for aircraft. 2,519,553, Aug. 22.
Faulkner, Donald, Cambridge, and F. E. Salt, Banstead, England, assignors to The Distillers Company, Limited, Edinburgh, Scotland. Production of ethers of phenyl methyl carbinold and its homologues. 2,517,418, Aug. 1.

Faulkner, Harold C.: *See*—
Smith, Darwin G., and Faulkner.
Faulkner, Harold C., Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Work-clamping mechanism. 2,510,014, May 30.
Faulkner, Harold C., Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Work-cutting mechanism for sewing machines. 2,512,227, June 20.
Faulkner, Harry, Rochdale, England. Electrical means for igniting combustible materials. 2,515,297, July 18.
Faulkner, Harry R., J. N. Pettus, and J. R. Bradshaw, Stanford, Ky. Book support. 2,494,382, Jan. 10.
Faulkner, John F., U. S. Navy. Helicopter control system. 2,505,759, May 2.
Faulkner, Richard J., Dallas, Tex. Tractor supported and driven saw mechanism. 2,509,092, May 23.
Faulkner, Roy M., assignor to Wilson-Jones Company, Chicago, Ill. Notebook clamp. 2,532,487, Dec. 5.
Faulkner, Rush D., and H. L. Brannon, North Little Rock, Ark. Loading truck for trailer trucks or other cargo carriers. 2,514,752, July 11.
Faulkner, Thomas H., North Cheam, assignor, by mesne assignments, to Associated British Engineering Limited, London, England. Device for supplying a measured quantity of liquid. 2,519,829, Aug. 22.
Faulkner, Thomas K., Kansas City, Mo. Poultry watering fountain. 2,518,536, Aug. 15.
Faulkner, Willard, assignor, by mesne assignments, to Admiral Corporation, Chicago, Ill. Phonograph record holding spindle. 2,498,333, Feb. 21.
Faulkner, Willard J., assignor to Oak Mfg. Co., Chicago, Ill. Tone-arm mounting. 2,513,555, July 4.
Faull, John T.: *See*—
Bailey, Roy W., and Faull.
Faus, Harold T., Lynn, Mass., assignor to General Electric Company. Magnetic recording, reproducing, and erasing apparatus. 2,532,803, Dec. 5.
Faus, Herbert W., White Plains, N. Y. Hotbox alarm or indicator. 2,527,923, Oct. 31.
Fausek, Arthur J., assignee: *See*—
Fausek, Irwing F., Reedy, and Copeland.
Fausek, Arthur J. and I. F., Clayton, Mo. Apparatus for separating the constituents of atmosphere. 2,501,999, Mar. 28.
Fausek, Arthur J. and I. F., Clayton, Mo. Lighting device. 2,514,995, July 11.
Fausek, Arthur J. and I. F., Clayton, Mo. Separating the constituents of gaseous mixtures. 2,521,157, Sept. 5.
Fausek, Arthur J. and I. F., Clayton, Mo. Apparatus for separating the constituents of atmosphere. 2,525,660, Oct. 10.
Fausek, Arthur J. and I. F., Clayton, Mo. Separating the constituents of gaseous mixtures. 2,527,301, Oct. 24.
Fausek, Arthur J. and I. F., Clayton, Mo. Separating the constituents of gaseous mixtures. 2,527,623, Oct. 31.
Fausek, Irwing F.: *See*—
Fausek, Arthur J. and I. F.
Fausek, Irwing F., Clayton, W. L. Reedy, St. Louis, and E. F. Copeland, Webster Grooves, assignors to I. F. and A. J. Fausek, Clayton, Mo. Lighting device. 2,527,302, Oct. 24.
Faust, Charles H., Jr., New Orleans, La. Flash eliminator and silencer for firearms. 2,514,996, July 11.
Faust, Ellwood L.: *See*—
Raney, Russel R., and Faust.
Faust, Jacob: *See*—
Liberthson, Leo, and Faust.
Faust, Silas T., assignee: *See*—
Phillips, Robert A.
Fauteux, Henri A., Jr., Ottawa, Ontario, Canada. Clothes peg. 2,506,783, May 9.
Favinger, Stanley L.: *See*—
Hyle, Jacob A., and Favinger.
Favor, Raymond B., La Crosse, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Breakback mower. 2,520,745, Aug. 29.
Favre, John A., Drexel Hill, Pa., assignor to General Electric Company. Transitory electroresponsive switching control. 2,534,115, Dec. 12.
Fawcett, Eric W. M., and E. S. Narracott, Sunbury-on-Thames, assignors to Anglo-Iranian Oil Company Limited, London, England. Vinyl polymers plasticized with chlorinated hydrocarbons. 2,513,632, July 4.
Fawcett, Jack S., Tarentum, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Stabilized extreme pressure lubricants. 2,511,250, June 13.
Fawick Airflex Company, Inc., The, assignee: *See*—
Browne, Lindsay H.
Fawick, Thomas L., Cleveland, Ohio. Making an article having a porous inner part and a molded cover thereon. 2,532,839, Dec. 5.
Fawkes, Donald G., assignor to Cardox Corporation, Chicago, Ill. Valve and handle mechanism for portable fire extinguishers. 2,506,074, May 2.
Faximile, Inc., assignee: *See*—
Curtis, Richard C., and Martin.
Hester, Frank A.
Long, John H.
Samet, Frank I.
Fay, Clifford E., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrode temperature regulation. 2,522,259, Sept. 12.
Fay, Clifford E., Chatham, and D. A. S. Hale, Verona, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. High-power water-cooled electron discharge device. 2,534,548, Dec. 19.
Fay, Frank J., Denver, Colo. Remote-control bomb release toy. 2,512,421, June 20.
Fay, James P., assignor to The Predictor Corporation, Norwalk, Conn. Rhythmic cycle indicator. 2,494,291, Jan. 10.
Fay, Lawrence C., assignee: *See*—
Horan, Maurice K., and Cade.
Fay, Robert A., Akron, Ohio, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Drill jig. 2,501,036, Mar. 21.
Fay, Samuel C., assignor to The Eagle-Picher Company, Cincinnati, Ohio. Demonstration device. 2,498,406, Feb. 21.
Fayne, Sydney, New York, N. Y. Toe and foot exercising device. 2,513,408, July 4.
Fays, Rene: *See*—
Drisch, Nicolas, and Fays.
Feagin, Roy C., Flushing, assignor to Austenal Laboratories, Incorporated, New York, N. Y. Refractory casting mold and making same. 2,521,839, Sept. 12.
Feagin, Roy C., Flushing, assignor to Austenal Laboratories, Incorporated, New York, N. Y. Making thermoplastic articles. 2,528,219, Oct. 31.
Fearing, Justin L.: *See*—
Deloraine, Edmond M., and Fearing.
Fearn, Richard L., assignor to Heatron, Incorporated, York, Pa. Apparatus for forming sinuous bends. 2,508,859, May 23.
Fearon, Frank G., and A. H. Pilling, assignors to Richmond Screw Anchor Co. Inc., New York, N. Y. Reinforcing rod hanger. 2,504,313, Apr. 18.
Fearon, Robert E: *See*—
Swift, Gilbert, Fearon, and Thayer.
Thayer, Jean M., Fearon, and Swift.
Thayer, Jean M., Swift, and Fearon.
Fearon, Robert E., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Gas analysis. 2,499,020, Feb. 28.
Fearon, Robert E., assignor to Well Surveys, Incorporated, Tulsa, Okla. Alternating current ionization chamber. 2,502,617, Apr. 4.
Fearon, Robert E., assignor to Well Surveys, Incorporated, Tulsa, Okla. Well survey method and apparatus. 2,513,086, June 27.
Fearon, Robert E., J. M. Thayer, and G. Swift, assignors to Well Surveys, Incorporated, Tulsa, Okla. Method and apparatus for producing neutron logs of drill holes. 2,515,500, July 18.
Fearon, Robert E., J. M. Thayer, and G. Swift, assignors to Well Surveys, Incorporated, Tulsa, Okla. Neutron well logging. 2,515,501, July 18.
Fearon, Robert E., J. M. Thayer, and G. Swift, assignors to Well Surveys, Incorporated, Tulsa, Okla. Neutron well logging. 2,515,502, July 18.
Fearon, Robert E., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Magnetic gradient measurement. 2,520,677, Aug. 29.
Feasley, Charles F.: *See*—
Badertscher, Darwin E., Feasley, and Berger.
Feasley, Charles F., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Resinification of aromatic hydrocarbons. 2,501,600, Mar. 21.
Feasley, Charles F., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Alkylation of aromatic hydrocarbons. 2,502,000, Mar. 28.
Feasley, Charles F, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Alkylation of aromatic hydrocarbons with tertiary aliphatic mercaptans. 2,502,001, Mar. 28.
Feasley, Charles F., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Removing sulfur compounds. 2,511,251, June 13.
Feasley, Charles F., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Thiophene condensation products. 2,522,355, Sept. 12.
Feaster, Allen F., Boulder, Colo. Tool post. 2,496,583, Feb. 7.
Feaster, Harry L., Artesia, Colo. Well-drilling apparatus. 2,531,120, Nov. 21.
Feaster, John H., Laguna Beach, Calif. Rotary engine. 2,505,951, May 2.
Feather, Charles A., Pittsburgh, Pa. Frictional increasing device of motor vehicles. 2,494,039, Jan. 10.
Feather, Edmund E., Riddlesden, Keighley, assignor to Prince-Smith & Stells Limited, Burlington Shed, Keighley, England. Driving arrangement for the spindles of centrifugal spinning, twisting, and analogous machines. 2,527,248, Oct. 24.
Featherston, George T., assignee: *See*—
Hunt, Allan R.
Feazel, Pearle M., executrix: *See*—
Feazel, William E.

Feazel, William E., deceased, Jacksonville, Fla.; P. M. Feazel and M. F. Platt, executrices. Vehicle sewage disposal system. 2,514,230, July 4.

Fechheimer, Carl J., Milwaukee, Wis. Cooling system for dynamoelectric machines. 2,527,878, Oct. 31.

Fecteau, Wilfred, Westbrook, Maine. Carrier for fishhooks, flies, leaders, etc. 2,509,490, May 30.

Fedders-Quigan Corporation, assignee: *See*—
Morgan, Robert W., Trometer, and Sahs.
Person, Frank W., Jr.

Federal Auto Products Co., assignee: *See*—
Becker, Morris.

Federal Business Machines Corporation, assignee: *See*—
Elliott, Edward L.

Federal Cartridge Corporation, assignee: *See*—
De Jarlais, Philip.

Federal Electric Products Company, assignee: *See*—
Cole, Melvin B.
Daly, Daniel F.
Humpage, Harold A.
Jensen, Helge.

Federal Machine and Welder Company, assignee: *See*—
Doutt, Kingsley A.
Forssmark, Boo H.

Federal Manufacturing Co., assignee: *See*—
McCabe, John B.

Federal Manufacturing & Engineering Corp., assignee: *See*—
Kaplowitz, Morris.

Federal-Mogul Corporation, assignee: *See*—
Cody, Richard J.

Federal Power Commission, United States of America as represented by the Chairman of the, assignee: *See*—
Thomas, Percy H.

Federal Products Corporation, assignee: *See*—
Miller, Raymond H.
Snow, Harold A.

Federal Telecommunication Laboratories, Inc., assignee: *See*—
Charchian, Benjamin M.
Dishal, Milton.
Dodington, Sven H. M., and Clark.
Himmel, Leon.
Horvath, Alexander.
Kandoian, Armig G.
Lesti, Arnold.
Pajes, Wolf S.
Pellegrinelli, George L., and Klein.
Poylo, Michel C.
Ransom, David H.
Young, Norman H., Jr., and Parker.
Young, Norman H., Jr., Silver, and French.

Federal Telephone and Radio Corporation, assignee: *See*—
Arditi, Maurice.
Arditi, Maurice, and Desantis.
Bachmann, John F.
Backer, Lyle A., and Happe.
Brode, George E., and Steinhauser.
Busignies, Henri G.
Busignies, Henri G., and Adams.
Busignies, Henri G., Adams, and Colin.
Busignies, Henri G., and Clark.
Chesus, Frank O., and Thomas.
Chevigny, Paul G., and Labin.
Clark, Gilbert R.
Clark, Trevor H.
Deloraine, Edmond M.
Deloraine, Edmond M., and Adams.
Deloraine, Edmond M., and Fearing.
Deloraine, Edmond M., and Ransom.
De Rosa, Louis A.
De Rosa, Louis A., and Lundberg.
Dodington, Sven H. M., and Herbst.
Dubin, Lester.
Engelmann, Herbert F.
Escoffery, Charles A.
Escoffery, Charles A., and Hawk.
Epstein, Joseph.
Ferrar, Robert C.
Ferrar, Robert C., and Menhennett.
Fisher, Sidney T.
Frink, Frederick W.
From, Owen C.
Frum, Alexander.
Grieg, Donald D.
Grieg, Donald D., and Labin.
Haigh, Leslie B., and Stearn.
Herbst, John A.
Herbst, John A., and Clark.
Himmel, Leon.
Hoffman, Ross B., and Adams.
Hoffman, Ross B., and Ferrar.
Horwitz, Henry L.
Jacobus, Herbert R.
Kaganoff, Solomon D.
Kandolan, Armig G.
Krause, Irving A.
Labin, Emile, and Grieg.
Labin, Emile, Grieg, and Levine.
Labin, Emile, and Poylo.
Lehmann, Gerard J., and Young, Jr.
Lewis, Robert F.
Lewis, Robert F., and Bachmann.
Libby, Lester L.

Federal Telephone and Radio Corporation, assignee: *See*—Continued.
Litton, Charles V.
Lomholt, Carl.
Lundburg, Frank J.
Macalpine, William W.
Marchand, Nathan.
Mattheyses, Marcel J.
Miller, Harry.
Muller, Fred A.
Pajes, Wolf S., and Downing.
Parker, Louis W.
Perzel, John.
Pessler, Eric W.
Pickles, Sidney B.
Ransom, David H.
Reade, Ralph B.
Relf, Reginald T.
Richardson, Avery G., and Chesus.
Royden, George T.
Salazar, Alfred M.
Sorensen, Edward M.
Stearn, Franklin A., and Manzo.
Sundberg, Alfred.
Wei, Pei H.
Wheeler, Carson M.
Young, Norman H., Jr.

Federated Machine Products Inc., assignee: *See*—
Brewton, Lee.

Feehan, Thomas A.: *See*—
Capita, Emil R., and Feehan.

Feek, William A., Seattle, Wash. Portable signal light. 2,533,235, Dec. 12.

Feeley, Nelson, Westfield, Mass. Door hinge. 2,520,536, Aug. 29.

Feenberg, Eugene, New York, N. Y., assignor to The Sperry Corporation. High-frequency cavity resonator apparatus. 2,514,383, July 11.

Feeney, Ethne V., San Diego, Calif., now by judicial decree E. Johnson. Baby garment. 2,524,221, Oct. 3.

Feeney, Robert E.: *See*—
Stubbs, Joseph J., Feeney, Garibaldi, and Feustel.

Feeney, Robert E., El Cerrito, and J. A. Garibaldi, San Francisco, Calif., assignors to the United States of America as represented by the Secretary of Agriculture. Preparing subtilin. 2,508,378, May 23.

Feero, Ruth H., Cumberland, Md. Knee saddle construction. 2,534,904, Dec. 19.

Fegley, Marian F.: *See*—
Croxall, Willard J., and Fegley.

Fegley, Marian F., Mont Clare, and W. J. Croxall, Bryn Athyn, assignors to Rohm & Haas Company, Philadelphia, Pa. Preparation of trimesates. 2,507,509, May 16.

Fehely, Ralph C., Arcata, Calif. Fishing plug. 2,498,800, Feb. 28.

Fehlbaum, Willi, Basel, Switzerland. Dress stand for show windows. 2,501,864, Mar. 28.

Fehling, Hans R.: *See*—
Hartley, Arthur C., Brown, Callendar, Fehling, Fox, Gill, Moore, Rosin, and Williamson.

Fehlmann, Henri, Courtelary, Switzerland. Leather splitting machine. 2,532,398, Dec. 5.

Fehr, Edith B., and W. W. Schultz, Schenectady, N. Y., assignors to General Electric Company. Measuring thorium in thoriated tungsten. 2,502,136, Mar. 28.

Fehr, Max, assignor to H. Welti, Zurich, Switzerland. Erasing appliance. 2,517,859, Aug. 8.

Fehr, Paul, assignor to Landis & Gyr, A. G., Zug, Switzerland. Arrangement for counting and measuring electric current impulses of short duration. 2,493,448, Jan. 3.

Fehr, Paul, assignor to Landis & Gyr, A. G., Zug, Switzerland. Response counter for totalizing current surges of varying magnitudes. 2,495,448, Jan. 24.

Fehr, Paul, Zug, Switzerland, assignor to Landis & Gyr A. G. Electromagnetic appliance. 2,528,744, Nov. 7.

Fehring, Wendell B.: *See*—
Castor, Thomas D., Dillman, Fehring, and Strandberg.

Feibel, Adolph H.: *See*—
Todd, William L., and Feibel.

Feick, George, III, Boston, assignor to A. D. Little, Inc., Cambridge, Mass. Vaporizing apparatus. 2,504,314, Apr. 18.

Feierabend, Louis B., New Hope, Pa. Automatic two-speed fishing reel. 2,517,776, Aug. 8.

Feiertag, Arthur W., assignor to The McBee Company, Athens, Ohio. Card-sorting device. 2,525,405, Oct. 10.

Feigelman, Herman A., Paterson, N. J. Folding box. 2,514,381, July 11.

Feil, Delmar A., Snyder, assignor to Allied Chemical & Dye Corporation, New York, N. Y. Producing alkyl benzene hydrocarbon sulfonates. 2,525,024, Oct. 10.

Feil, Delmar A., Snyder, assignor to Allied Chemical & Dye Corporation, New York, N. Y. High vacuum distillation apparatus. 2,525,025, Oct. 10.

Feild, Alexander L., Baltimore, Md., assignor by mesne assignments, to Armco Steel Corporation. Black oxide coated nitrided stainless steel product. 2,513,302, July 4.

Feild, Alexander L., Baltimore, Md., assignor to Armco Steel Corporation. Coated cobalt alloy products. 2,513,303, July 4.

Feild, Theophilus A., Jr., Charleston, W. Va., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Vinyl resin textile article. 2,499,477, Mar. 7.
Feilden, Geoffrey B. R., Lutterworth, near Rugby, assignor to Power Jets (Research and Development) Limited, London, England. Support for multiple flame tubes. 2,511,432, June 13.
Feiler, John C., Trenton, and W. L. Stivason, Hamilton Square, assignors to The Whitehead Brothers Rubber Company, Trenton, N. J. Coupling assembly for rotary drill hose. 2,506,494, May 2.
Fein, Martin L.: *See*—
Filachione, Edward M., Fein, and Fisher.
Fein, Martin L., Riverside, N. J., and C. H. Fisher, Abington, Pa., assignors to the United States of America as represented by the Secretary of Agriculture. Preparation of acyloxy carboxylic acids from esters of hydroxy carboxylic acids. 2,518,456, Aug. 15.
Feinberg, Albert E., assignor to Advance Transformer Co., Chicago, Ill. Ballast construction. 2,509,186, May 23.
Feinberg, Albert E., assignor to Advance Transformer Co., Chicago, Ill. Transformer. 2,509,187, May 23.
Feinberg, Albert E., assignor to Advance Transformer Co., Chicago, Ill. Transformer. 2,509,188, May 23.
Feinberg, Albert E., assignor to Advance Transformer Co., Chicago, Ill. Transformer system. 2,518,874, Aug. 15.
Feiner, Herbert L.: *See*—
Jaffe, Hyman A., and Feiner.
Feiner, Jacob S., Bronx, N. Y. Buckle construction. 2,525,026, Oct. 10.
Feiner, Jacob S., New York, N. Y., and L. L. Stone, Stamford, Conn., assignors to C. B. Greenberg, New York, N. Y. Spring bar. 2,507,701, May 16.
Feinson, Mac. B., assignee: *See*—
Dobkin, William J.
Feinstein, Louis, Hyattsville, Md., and P. J. Hannan, Washington, D. C.; dedicated to the free use of the People in the Territory of the United States. Extracting alkaloidals from plants with aqueous aluminum sulfate. 2,525,784, Oct. 17.
Feinstein, Louis, Hyattsville, Md., and P. J. Hannan, Washington, D. C.; dedicated to the free use of the People in the Territory of the United States. Process for extracting alkaloidals from plants with aqueous ammonia-ethylene dichloride mixture. 2,525,785, Oct. 17.
Feiss, René: *See*—
Wiederkehr, Hans, and Feiss.
Feitl, Rudolf: *See*—
Bluth, Ludwig S., and Feitl.
Feitl, Rudolf, Brooklyn, assignor to Waldes Kohinoor Inc., Long Island City, N. Y. Slide fastener manufacture and mold therefor. 2,523,463, Sept. 26.
Feitl, Rudolf, Brooklyn, assignor to Waldes Kohinoor, Inc., Long Island City, N. Y. Injection molding apparatus. 2,529,146, Nov. 7.
Fejmert, Erik V., Nykoping, Sweden. Machine for manufacturing hollow bodies of plastic material. 2,497,160, Feb. 14.
Fekete, Stephen I., Grosse Pointe Park, Mich. Washing machine having elliptical, inflated, squeezing, and scrubbing rollers. 2,514,320, July 4.
Fekete, Stephen I., Grosse Pointe Park, Mich. Clothes wringer. 2,514,321, July 4.
Felber, Frank R., Union, N. J. Mast mounting for television antennas. 2,518,875, Aug. 15.
Felber, John, Hillside, N. J., assignor to American Can Company, New York, N. Y. Packing fluid substances in cans. 2,534,254, Dec. 19.
Feldblet, Herman L., New York, N. Y. Gin rummy tally device. 2,508,239. May 16.
Feldheim, Einar F., Grandy, Minn. Level holder. 2,531,563, Nov. 28.
Feldkamp, Rolland F., Troy, assignor to Sterling Drug Inc., New York, N. Y. 1-methyl-3-piperidylmethyl phenyl-(2-thienyl) acetate, its salts and production thereof. 2,533,002, Dec. 5.
Feldkamp, Rolland F., Troy, assignor to Sterling Drug Inc., New York, N. Y. 1-methyl-3-piperidylmethyl 3-hydroxy-2-phenylbutanoate, its salts and production thereof. 2,533,003, Dec. 5.
Feldman, John E., Garfield, N. J., assignor to United States Rubber Company, New York, N. Y. Making novelty displays. 2,498,074, Feb. 21.
Feldman, John E., Garfield, N. J., assignor to United States Rubber Company, New York, N. Y. Latent heat type body-warming device. 2,515,298, July 18.
Feldman, John E., Garfield, N. J., assignor to United States Rubber Company, New York, N. Y. Molding porous articles. 2,525,880, Oct. 17.
Feldman, John E., Garfield, N. J., assignor to United States Rubber Company, New York, N. Y. Bathing cap. 2,533,444, Dec. 12.
Feldman, Nat, New York, N. Y. Compartmented handbag. 2,513,013, June 27.
Feldman, Samuel, Brooklyn, assignor to Felport Incorporated, New York, N. Y. Combination cap and sunshade. 2,500,280, Mar. 14.
Feldmeier, Frank, assignor to Blaw-Knox Company, Pittsburgh, Pa. Multicompartment treating chamber. 2,526,012, Oct. 17.
Feldmeier, Frank, assignor to Blaw-Knox Company, Pittsburgh, Pa. Sealing mechanism. 2,526,013, Oct. 17.
Feldpush, Norman V., Upper Darby, Pa., assignor to Wilson & Co., Inc. Separating higher fatty acids. 2,510,015, May 30.
Feldstein, Henry H., Cleveland, Ohio, and M. J. Feldstein, Arlington, Va. Machine for facilitating changes in arrangement of strips or cards on page card files. 2,494,233, Jan. 10.
Feldstein, Marc J.: *See*—
Feldstein, Henry H. and M. J.
Felici, Noel, Grenoble, assignor to Centre National De La Recherche Scientifique, Paris, France. Electrostatic machine. 2,519,554, Aug. 22.
Felici, Noël, Grenoble, assignor to Centre National de la Recherche Scientifique, Paris, France. Electrostatic machine. 2,522,106, Sept. 12.
Felici, Noël, Grenoble, assignor to Centre National de la Recherche Scientifique, Paris, France. Electrostatic machine. 2,523,688, Sept. 26.
Felici, Noël, Grenoble, assignor to Centre National de la Recherche Scientifique, Paris, France. Electrostatic machine. 2,523,689, Sept. 26.
Felici, Noël, Grenoble, assignor to Centre National de la Recherche Scientifique, Paris, France. Electrostatic machine. 2,530,193, Nov. 14.
Felix, Adolph, Logan, Utah. Price tag holder. 2,522,028, Sept. 12.
Felix, Friedrich, and A. Heckendorn, Basel, E. Reich, Neue Welt, and F. Oesterlein, assignors to Ciba Limited, Basel, Switzerland. Esterlike derivatives of azo dyestuffs. 2,495,243, Jan. 24.
Felix, Friedrich, and A. Heckendorn, Basel, E. Reich, Neue Welt, and F. Oesterlein, assignors to Ciba Limited, Basel, Switzerland. Ester-like derivatives of azo dyestuffs. 2,495,244, Jan. 24.
Felix, Friedrich, and A. Heckendorn, Basel, E. Reich, N. Welt, and F. Oesterlein, assignors to Ciba Limited, Basel, Switzerland. Single-bath chrome dyeing process for wool. 2,496,386, Feb. 7.
Felix, Friedrich, and W. Mueller, assignors to Ciba Limited, Basel, Switzerland. Monoazo-dyestuffs. 2,505,533, Apr. 25.
Fell, Clarence O., Kansas City, Mo. Droppings pan for poultry housing. 2,523,615. Sept. 26.
Fell, William F., Hasbrouck Heights, assignor to Bendix Aviation Corporation, Teterboro, N. J. Flexible generator drive. 2,500,281, Mar. 14.
Fell, William F., Hasbrouck Heights, assignor to Bendix Aviation Corporation, Teterboro, N. J. Generation system. 2,508,665, May 23.
Feller, Anton M., Rahway, N. J., assignor to Control Instrument Company, Inc., Brooklyn, N. Y. Torque and speed indicator. 2,521,905, Sept. 12.
Felleson, Elmer, Chicago, Ill. Adjustable stop. 2,514,600, July 11
Fellman, Evan J., and W. G. Stewart, Jr., assignors to E. L. Bruce Co., Memphis, Tenn. Floor cleaning device. 2,500,841, Mar. 14.
Fello, Joseph, Bronx, N. Y. Sandal with strap-receiving, channeled sole. 2,526,940, Oct. 24.
Fellows, Frank H., Cleveland, Ohio, assignor to Bailey Meter Company. Combustion control system. 2,519,240, Aug. 15.
Fellows Gear Shaper Company, The, assignee: *See*—
Miller, Edward W.
Sanborn, George H.
Fellows, Julian R., assignor to The Board of Trustees of the University of Illinois, Urbana, Ill. Refractory element for downdraft furnaces. 2,497,877, Feb. 21.
Felport Incorporated, assignee: *See*—
Feldman, Samuel.
Felsa S. A., assignee: *See*—
Meyer, Friedrich.
Felsenheld, Robert A., East Orange, N. J., assignor to International Standard Electric Corporation, New York, N. Y. Antenna array. 2,533,236, Dec. 12.
Felsing, Herman A., Middletown, N. Y. Fruit picker. 2,526,340, Oct. 17.
Felstiner, William, executor: *See*—
Broder, Harry.
Felt & Tarrant Manufacturing Company, assignee: *See*—
Laiho, Jalmer M.
Turck, Joseph A. V.
Felter, Richard A., Burbank, Calif. Ball and target game apparatus. 2,525,881, Oct. 17.
Felters Company, Inc., The, assignee: *See*—
Stevens, Raymond R.
Wood, Gordon H., and Francis.
Felton, George F., Millers Falls, Mass. Device for holding objects. 2,529,285, Nov. 7.
Felton, Philip C., Norristown, Pa. Stroke saw. 2,535,491, Dec. 26.
Felton, Ray N., and R. Luke, South St. Paul, Minn. Fish stringer. 2,514,483, July 11.
Felton, Walter J., assignor to Truth Tool Company, Mankato, Minn. Pulling tool. 2,524,698, Oct. 3.
Felts, Jerome J.: *See*—
Wharam, John J., and Felts.
Felty, James R., assignee: *See*—
Rather, Hobart E., Sr.

Fenelon, Earl S., Jr., and E. J. Pavilonis, assignors to Hercules Powder Company, Wilmington, Del. Petroleum resin dispersion and the use thereof. 2,502,080, Mar. 28.

Fenelon, Earl S., Jr., Elroy, Wis., and E. C. Howard, assignors to Hercules Powder Company, Wilmington, Del. Dry resinate composition. 2,534,703, Dec. 19.

Fenemore, Alan S., Stafford, assignor to The English Electric Company, Limited, London, England. Cooling means for machines. 2,500,532, Mar. 14.

Feneron, Emile E., Clichy, France, assignor to Société Airseco. Control and safety device against explosions of tubing and receivers in air compressing plants. 2,532,488, Dec. 5.

Feng, Chung L., Philadelphia, Pa. Hydraulically controlled transmission. 2,517,188, Aug. 1.

Fengel, George H. : *See*—
Martin, Lawrence B., Eberle, and Fengel.

Fengler, Ferdinand, assignor to The E. Ingraham Company, Bristol, Conn. Drive-spring fastener. 2,501,383, Mar. 21.

Fengler, Ferdinand, assignor to The E. Ingraham Company, Bristol, Conn. Detachable spring-anchoring means. 2,501,384, Mar. 21.

Fengler, Ferdinand, assignor to The E. Ingraham Company, Bristol, Conn. Clock spring anchoring means. 2,522,107, Sept. 12.

Fengler, Ferdinand, assignor to The E. Ingraham Company, Bristol, Conn. Timepiece regulator. 2,524,902, Oct. 10.

Fengler, William W., Glenbrook, and M. J. Skehan, West Norwalk, assignors to Machlett Laboratories Incorporated, Springfield, Conn. Cable terminal. 2,522,572, Sept. 19.

Fenimore Fabrics, Incorporated, assignee : *See*—
Putnam, Robert B.

Fenn, Edward H., West Hartford, Conn. Hydraulic jack. 2,508,240, May 16.

Fenn, Howard N., and L. A. Rauner, assignors to Dow Corning Corporation, Midland, Mich. Siloxane resins. 2,517,777, Aug. 8.

Fenn, Raymond T., Springfield, Vt. Apparatus for testing and calibrating watt-hour meters. 2,508,505, May 23.

Fennell, Francis L., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Deinking waste paper. 2,525,594, Oct. 10.

Fennell, Frank, Chicago, Ill. Machine for bending sheet metal. 2,521,840, Sept. 12.

Fennell, Frank C., Greensburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Winder control system. 2,508,150, May 16.

Fennell, James C., Redondo Beach, Calif. Bear claw cutter. 2,512,202, June 20.

Fennema, Richard : *See*—
De Craene, Edmond P., Fennema, and Cantalupo.

Fennema, Richard, assignor to Crane Co., Chicago, Ill. Conduit gate valve. 2,504,924, Apr. 18.

Fennessy, Edward, Orpington, and G. E. Roberts, Stoneleigh, assignors to The Decca Record Company, Limited, London, England. Automatic radio transmitting apparatus. 2,500,809, Mar. 14.

Fenney, William N., assignor, by mesne assignments, to The Texas Company, New York, N. Y. Internal-combustion engine. 2,534,346, Dec. 19.

Fenske, Ellsworth R. : *See*—
Gallaway, William S., and Fenske.

Fenstermacher, Cleo C., Bloomington, Calif. Brake- actuating trailer hitch. 2,513,854, July 4.

Fenton, George D., Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey. Classifier. 2,505,283, Apr. 25.

Fenwal Incorporated, assignee : *See*—
Thelin, George W.

Fenyvessy, Albert O., Rochester, N. Y. Watch holder. 2,511,105, June 13.

Fenzl, August, Chicago, Ill. Necktie rack. 2,525,259, Oct. 10.

Ferber, Fred, Englewood, N. J. Mechanical pencil. 2,517,297, Aug. 1.

Ferber, William A., Flushing, assignor to Lily-Tulip Cup Corporation, New York, N. Y. Feeder for stacks of nested containers. 2,526,014, Oct. 17.

Ferda, Roman, Bronx, N. Y. Pistol shock absorbing device. 2,497,350, Feb. 14.

Ferdinand, Georges : *See*—
Quercia, Marcel, and Ferdinand.

Ferdon, Jacob F. : *See*—
Lyons, Frank H., and Ferdon.

Ferdus, Stanislav, assignor to Bata, národní podnik, Zlin, Czechoslovakia. Bending device for clasping machines. 2,527,123, Oct. 24.

Ferguson, Rector C., La Porte, Ind., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Stalk topping harvester. 2,505,952, May 2.

Ferguson, Arthur P., assignor to Houdaille Hershey Corporation, Detroit, Mich. Scuff pad for automotive vehicles. 2,525,595, Oct. 10.

Ferguson, Alan C., assignor to Hyde Manufacturing Company, Southbridge, Mass. Tool handle. 2,498,107, Feb. 21.

Ferguson, Alexander D., Michigan City, Ind., assignor to Joy Manufacturing Company. Grinding machine. 2,497,076. Feb. 14.

Ferguson, Andrew, Pasadena, Calif. Amalgamator. 2,501,667, Mar. 28.

Ferguson, Berlin S., assignor to The Byers Machine Company, Ravenna, Ohio. Fluid pressure operated trip actuating mechanism. 2,519,311, Aug. 15.

Ferguson, Carl S., Newton, Mass. Composition for preserving articles of food and the like. 2,532,489, Dec. 5.

Ferguson, Edgar A., Jr., Brooklyn, N. Y., assignor to Van Patten Pharmaceutical Company, Chicago, Ill. Oral pollen antigen and preparing same. 2,500,145, Mar. 14.

Ferguson, Frank A., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Vessel for handling corrosive fluids. 2,526,463, Oct. 17.

Ferguson, Gene C., Oskaloosa, Iowa. Tractor ridge leveler. 2,529,007, Nov. 7.

Ferguson, Harry, Inc., assignee : *See*—
Bunting, Ernest V.
Hamilton, Matthew E.
Hautzenroeder, Richard W.
Patrick, Joseph C., and Ferguson.
Spurlin, William G.

Ferguson, Harry J., Elkins Park, assignor to Harry J. Ferguson Co., Jenkintown, Pa. Conveyer turn. 2,504,948. Apr. 25.

Ferguson, Harry J., Co., assignee : *See*—
Ferguson, Harry J.

Ferguson, Henry G., Gloucestershire, and J. M. Chambers, Warwickshire, England. Self-starter for vehicle engines. 2,511,054, June 13.

Ferguson, James E., New Hyde Park, N. Y. Apparatus for fluffing asbestos. 2,522,936, Sept. 19.

Ferguson, James F., Decatur, Ill. Safety attachment for air brakes. 2,501,715, Mar. 28.

Ferguson, John H. : *See*—
Ximenez, Manuel R., and Ferguson.

Ferguson, John P., Spokane, Wash., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Cathode-ray tube. 2,494,992, Jan. 17.

Ferguson, John S., Minneapolis, Minn., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Lightning arrester. 2,528,127, Oct. 31.

Ferguson, John S., Minneapolis, Minn., and H. E. Dyche, Jr., Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Moisture-resistant lightning arrester valve block. 2,501,322, Mar. 21.

Ferguson, Joseph C., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Signal mixing electron multiplier. 2,492,976, Jan. 3.

Ferguson, Joseph C., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Space discharge device. 2,535,055, Dec. 26.

Ferguson, Joseph C., and A. S. Harris, Fort Wayne, Ind., assignors, by mesne assignments, to Farnsworth Research Corporation. Stroboscopic telemetering apparatus. 2,510,093, June 6.

Ferguson, Robert O., Bristol, Tenn. Rotatable container and supporting means therefor. 2,506,864, May 9.

Ferguson, Robert O., Bristol, Tenn., assignor of one-half to Bristol Steel & Iron Works, Inc., Bristol, Va.-Tenn. Headlight lens. 2,512,623, June 27.

Ferguson, Robert O., Bristol, Tenn., assignor of one-half to Bristol Steel & Iron Works, Inc., Bristol, Va.-Tenn. Fuse or heat exploded link. 2,530,051, Nov. 14.

Ferguson, Robert W. : *See*—
Cameron, Emmet G., Keiper, Mitschke, Burlingame, and Ferguson.

Ferguson, Rolland G., Tacoma, Wash. Automatic self-starting and stopping system for arc welding installations. 2,499,635, Mar. 7.

Ferguson, Russell L. : *See*—
Christ, Joseph G., and Ferguson.

Ferguson, Vernon H., Mount Lebanon, Pa., assignor to Loftus Engineering Corporation. Electric ladle furnace. 2,525,882, Oct. 17.

Ferguson, Vernon H., Mount Lebanon, Pa., assignor to Loftus Engineering Corporation. Electric ladle furnace. 2,525,883, Oct. 17.

Ferguson, William, assignor to National Airoil Burner Company, Incorporated, Philadelphia, Pa. Combustion apparatus for furnaces. 2,512,319, June 20.

Ferguson, William M. : *See*—
Jurisich, George J., and Ferguson.

Ferito, Donald S. : *See*—
Campbell, Charles H., Ferito, and Stoker.

Ferla, John, East Orange, assignor to U. S. Asbestos Cement Pipe Corpany, Camden, N. J. Apparatus for producing pipes. 2,528,353, Oct. 31.

Ferland, Napoleon S. : *See*—
Woodman, Charles K., and Ferland.

Fermanian, Armen, Rutherford, G. W. Soderman, West Englewood, and W. J. Workman, North Arlington, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Apparatus for soldering lead wires to electrical units. 2,494,474, Jan. 10.

Fermi, Enrico, Santa Fe, N. Mex., assignor to the United States of America as represented by the United States Atomic Energy Commission. Neutron velocity selector. 2,524,379, Oct. 3.
Fermier, George F., assignor to Cameron Iron Works, Houston, Tex. Packoff. 2,496,154, Jan. 31.
Fernandez, Dan T., Villa Park, Ill. Coupling and servicing assembly. 2,518,299, Aug. 8.
Fernandez, Fortunato P., Madrid, Spain. Lock for doors and the like. 2,532,399, Dec. 5.
Fernández, Manuel, Cienfuegos, Cuba. Independent wheel suspension. 2,511,252, June 13.
Fernandez-Yañez y Martinez del Campo, Antonio, and J. Fernandez-Yañez y Ozores, Madrid, Spain. Tire pressure alarm switch. 2,520,353, Aug. 29.
Fernandez-Yañez y Ozores, Juan: *See*—
Fernandez-Yañez y Martinez del Campo, Antonio, and Fernandez-Yañez y Ozores.
Fernier, Bernard M. H. P., Lyon, assignor to "Ateliers de Constructions Electriques de Delle," Societe Anonyme, Paris, France. Pneumatic circuit breaker. 2,529,145, Nov. 7.
Fernly, Joseph E., Muskegon Heights, Mich. Cooking device. 2,515,035, July 11.
Fernsler, George L., Lawrenceville, N. J., assignor to Radio Corporation of America. Frequency-modulated oscillator. 2,496,044, Jan. 31.
Fernsler, George L., Lawrenceville, N. J., assignor to Radio Corporation of America. Application of high loss dielectrics to wave guide transmission systems. 2,510,016, May 30.
Fernsler, George L., Lawrenceville, N. J., assignor to Radio Corporation of America. Visual indicator of distance between two points and the bearing of a line connecting them. 2,520,595, Aug. 29.
Ferrando, James, South Leechburg, Pa. Sheet metal bundling machine. 2,497,984, Feb. 21.
Ferranti Limited, assignee: *See*—
Cunningham, Leslie B. C., Ford, Barnes, Sykes, Hancock, and Robinson.
Taylor, Maurice K.
Taylor, Maurice K., and Knowles.
Taylor, Maurice K., and Paulden.
Taylor, Maurice K., and Williams.
Wood, Hubert.
Wood, Hubert, Davies, and Whitehead.
Wood, Hubert, Williams, and Whitehead.
Ferrar, Robert C.: *See*—
Hoffman, Ross B., and Ferrar.
Ferrar, Robert C., New Providence, and G. Menhennett, Red Bank, N. J., assignors to Federal Telephone and Radio Corporation, New York, N. Y. Selective calling system. 2,524,782, Oct. 10.
Ferrar, Robert C., New Providence, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Control circuit for radio receivers. 2,531,416, Nov. 28.
Ferrara, John, Rochester, N. Y. Channel cutter for shoe sole stitching machines. 2,523,948, Sept. 26.
Ferrara, John B., Howard Beach, assignor to American Teletimer Corp., Brooklyn, N. Y. Race timing system. 2,497,541, Feb. 14.
Ferrario, John J., and J. Dondero, San Francisco, Calif. Apparatus for lifting cylindrical objects. 2,497,118, Feb. 14.
Ferree, Alva R., Sr., Perrysburg, Ohio. Clipper 2,506,714, May 9.
Ferriera, John, Providence, R. I. String tensioning means. 2,534,431, Dec. 19.
Ferreira, Manuel: *See*—
Cranmer, Leonard S., and Ferreira.
Ferrel, Gerald W., Kalamazoo, Mich. Gas burner with internal fuel distributor. 2,513,087, June 27.
Ferrel, Robert E., Hammond, Oreg., and H. S. Olcott, Berkeley, Calif., assignors to the United States of America as represented by the Secretary of Agriculture. Gluten phosphates and preparing them. 2,522,504, Sept. 19.
Ferrell, Enoch B., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Tracking control. 2,516,765, July 25.
Ferrell, Enoch B., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Object locator. 2,527,624, Oct. 31.
Ferrell, Wesley: *See*—
Romeyn, Hendrik, Jr., and Ferrell.
Ferrill, Thomas M., Jr., Hempstead, N. Y. Vehicle speed and path signaling system. 2,493,755, Jan. 10.
Ferrill, Thomas M., Jr., Hempstead, N. Y., assignor to The Sperry Corporation. Control system for variable pitch propellers. 2,499,376, Mar. 7.
Ferrill, Thomas M., Jr., Hempstead, N. Y., assignor to The Sperry Corporation. Aircraft landing system. 2,501,668, Mar. 28.
Ferrill, Thomas M., Jr., Hempstead, and B. F. Spencer, Garden City, N. Y., assignors to The Sperry Corporation. Superregenerative receiver. 2,533,237, Dec. 12.
Ferris, Donald K., Dayton, Ohio. Roasting rack. 2,520,389, Aug. 29.
Ferris, Howard G., Lerna, Ill. Baby shoe. 2,522,505, Sept. 19.
Ferris Instrument Laboratories, assignee: *See*—
Barnes, Harold E.
Montcalm, Surrius R.
Ferris, Robert G.: *See*—
Brode, Robert B., and Ferris.
Jordan, James D., and Ferris.
Ferris, Robert G., assignor to Starline Inc., Harvard, Ill. Bracket for barn door tracks. 2,513,088, June 27.
Ferris, Robert G., assignor to Starline Inc., Harvard, Ill. End stop for tubular barn door tracks. 2,513,089, June 27.
Ferris, Robert G., assignor to Starline, Inc., Harvard, Ill. Track for hanging doors, conveyors and the like. 2,534,195, Dec. 12.
Ferris, Robert G., Harvard, Ill., and S. H. Dike, Ventnor, N. J., assignors to the United States of America as represented by the Secretary of the Navy. Nose structure for projectiles. 2,513,157, June 27.
Ferris, Seymour W., Mount Holly, N. J., E. R. Lamson, Hatboro, and D. M. Smith, Norwood, assignors to The Atlantic Refining Company, Philadelphia, Pa. Guided free film distillation apparatus. 2,514,943, July 11.
Ferris, Seymour W., Mount Holly, N. J., E. R. Lamson, Hatboro, and D. M. Smith, Norwood, assignors to The Atlantic Refining Company, Philadelphia, Pa. Falling film distillation apparatus. 2,514,944, July 11.
Ferris, Walter, assignor to The Oilgear Company, Milwaukee, Wis. Hydrodynamic machine. 2,501,165, Mar. 21.
Ferris, Warren R., Kingston, N. J., assignor to Radio Corporation of America. Electron tube. 2,534,508, Dec. 19.
Ferris, William J., Wilmette, Ill. Hose jacket. 2,508,241, May 16.
Ferris, William P., and N. J. Blum, York, Pa., assignors, by mesne assignments, to K. Wihtol, Middletown, N. J., trading as Wihtol Industries. Hydraulic pump. 2,495,319, Jan. 24.
Ferris, William T., and F. J. Klancnik, Jr., Chicago, Ill. Antenna. 2,495,579, Jan. 24.
Ferro, Bernardo J., Jr., Bartlesville, Okla., assignor to Phillips Petroleum Company. Expansion refrigeration system and method. 2,494,120, Jan. 10.
Ferro Chemical Corporation, assignee: *See*—
Elliott, Stanley B., and O'Hara.
Ferro Enamel Corporation, assignee: *See*—
Goda, Ernest H.
Goetchius, Donald R.
Goetchius, Donald R., and Kelly.
Kenworthy, Orville O., Goda, and Golland.
Kreidl, Ignaz, and Werner.
Robson, James T.
Zvanut, Frank J., Kreager, and Thomas.
Ferro Engineering Company, The, assignee: *See*—
Allison, Adrian G., and Austin.
Austin, Chester R., and Schofield.
Urmetz, Walter W.
Ferros Metals Research Co., Limited, assignee: *See*—
Chisholm, Gilbert G.
Ferry, John D., Woods Hole, Mass., and P. R. Morrison, Washington, D. C., assignors to the United States of America as represented by the Secretary of War. Fibrin clots and preparing the same. 2,533,004, Dec. 5.
Ferry, John T., Brooklyn, assignor to Remington Rand Inc., Buffalo, N. Y. Statistical card comparing machine. 2,496,124, Jan. 31.
Ferry, John T., Brooklyn, assignor to Remington Rand Inc., Buffalo, N. Y. Perforated record card. 2,535,125, Dec. 26.
Ferry, Paul F., Glenfield, Pa. Latch-in relay. 2,530,194, Nov. 14.
Ferté, André M. A., assignee: *See*—
Boncompain, François.
Ferté, André M. A., Terny, France. Electrically controlled plant thinning machine. 2,507,001, May 9.
Feser, Edward J., Los Angeles, Calif. Fabricated building construction. 2,499,478, Mar. 7.
Fesmire, Norman W.: *See*—
Dean, Albert G., and Fesmire.
Dean, Walter B., and Fesmire.
Fessenden, Ace C., assignee: *See*—
Eaton, Wilfred A.
Sanford, Roy S.
Fessler, Carl H., Cleveland, Ohio, assignor to The American Steel and Wire Company of New Jersey. Drawing stainless steel wire. 2,519,127, Aug. 15.
Fessler, William A., Prince George County, Va., assignor to Allied Chemical & Dye Corporation. Preparation of surface-active organic nitrosation-sulfitation products in the polyvalent metal salt form. 2,510,466, June 6.
Fether, Donald W., assignor to National Manufacturing & Sales Company, Downey, Calif. Work feeding mechanism for machine tools. 2,521,209, Sept. 5.
Fetherolf, James M., White Plains, G. E. Forrest, Beechhurst, and F. W. See, Bronx, N. Y., assignors to The Sperry Corporation. Electrical connector socket. 2,493,756, Jan. 10.
Fett, Richard H., assignor to North British Lomomotive Company Limited, Glasgow, Scotland. Combined flame trap and gas cleaner. 2,527,004, Oct. 24.
Fetterley, Guy H.: *See*—
Knowlton, James W., and Fetterley.
Fetterly, Lloyd C., Long Beach, assignor to Shell Development Company, San Francisco, Calif. Thiourea-hydrocarbon complexes and preparing same. 2,499,820, Mar. 7.

Fetterly, Lloyd C., Long Beach, assignor to Shell Development Company, San Francisco, Calif. Separating organic compounds by means of urea and thiourea. 2,520,715, Aug. 29.

Fetterly, Lloyd C., Seattle, Wash., assignor to Shell Development Company, San Francisco, Calif. Separating organic compounds by forming solid complexes. 2,520,716, Aug. 29.

Fettes, Edward M., Trenton, N. J., assignor to Thiokol Corporation. Polyhydroxy polysulfide polymer. 2,527,375, Oct. 24.

Fettig, Theodore V., La Porte, Ind. Cable guide and clamp. 2,516,969, Aug. 1.

Fettinger, John G., Utica, assignor to Robert Gair Company, Inc., New York, N. Y. Carton and display basket. 2,505,034, Apr. 25.

Fetzer, Walter R., assignor to Clinton Industries, Inc., Clinton, Iowa. Drying sirup. 2,502,935, Apr. 4.

Feucht, Albert, Garfield Heights, and W. A. Schirmer, Cleveland, Ohio, assignors, by mesne assignments, to Le Roi Company, Milwaukee, Wis. Blowing device for rock drills. 2,514,852, July 11.

Feucht, Albert, Garfield Heights, Ohio, assignor, by mesne assignments, to Le Roi Company, Milwaukee, Wis. Portable drill rig. 2,520,390, Aug. 29.

Feuerfile, Harry F., Jamaica, N. Y. Fluid heater and thermostatic control means therefor. 2,504,315, Apr. 18.

Feurer Bros., Inc., assignee: *See*—
Feurer, Robert.

Feurer, Robert, Jackson Heights, assignor to Feurer Bros., Inc., New York, N. Y. Dust-tight watch crown. 2,497,935, Feb. 21.

Feurer, Robert, Jackson Heights, assignor to Feurer Bros., Inc., New York, N. Y. Making spring bars. 2,522,439, Sept. 12.

Feustel, Irvin C.: *See*—
Stubbs, Joseph J., Feeney, Garibaldi, and Feustel.

Feustel, William K., Norwalk, and F. E. Hutchins, East Norwalk, Conn., assignors to R. T. Vanderbilt Co., Inc., New York, N. Y. Colloidal silicate emulsifying composition. 2,523,204, Sept. 19.

Few, William, Cleveland Heights, assignor to The Clark Controller Company, Cleveland, Ohio. Electronic motor control system. 2,517,101, Aug. 1.

Fewel Bros. Packing Co., assignee: *See*—
Forrest, Thomas W. W.

Fewings, David J.: *See*—
Kemp, Roland J., and Fewings.

Fey, Albert, assignor to Makall Corporation, Detroit, Mich. Fish lure. 2,530,008, Nov. 14.

Ffolliott, Charles F., Elgin, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Loud-speaking telephone station set with separate acoustic passages to the receiver and transmitter. 2,506,715, May 9.

Fiala, Fred, Sr., Cleveland, Ohio. Nitrating kerosene 2,511,433, June 13.

Fialkow, Aaron D., New York, assignor to Control Instrument Company, Inc., Brooklyn, N. Y. Stable vertical. 2,497,594, Feb. 14.

Fiat S. A., assignee: *See*—
Mongitore, Pietro.

Fiber & Stowell Co., The, assignee: *See*—
Denton, Joseph A.

Fiberboard Products, Inc., assignee: *See*—
Goodyear, Charles H.
Woods, Alfred E.

Fiberlast of Canada (Ltd.), assignee: *See*—
Anderson, David F.

Fibre-Metal Products Company, The, assignee: *See*—
Bowers, Frederick M.

Fibus, Murray M., Youngstown, Ohio. Beverage cooler. 2,515,767, July 18.

Fichter, Julius, South Euclid, assignor to M. M. Cohen, Cleveland, Ohio. Hair extractor mechanism. 2,497,719, Feb. 14.

Fichter, Ludwig J.: *See*—
Schwarz, Bertram A., and Fichter.

Fickett, Ernest L., Fitchburg, and C. F. Wissenbach, Bolton, Mass., assignors to Fitchburg Engineering Corporation. Indexing mechanism for machine tools. 2,529,332, Nov. 7.

Fidelity Trust Company, administrator: *See*—
Hyle, Jacob A.

Fiderer, Henry, Kiryath, Mozkin, Palestine. Warping. 2,522,816, Sept. 19.

Fidler, Frederick A.: *See*—
Birch, Stanley F., Fidler, and Haresnape.

Fiechter, John J., Willow Grove, Pa. Knife sharpener. 2,495,839, Jan. 31.

Fiedler, Edmond F., Adams, and G. R. Lucas, Pittsfield, Mass., assignors to General Electric Company. Emulsion polymerization of styrene. 2,496,864, Feb. 7.

Fiedler, Georg, Erlangen, Germany. Instrument for measuring compressional wave radiation pressure. 2,531,844, Nov. 28.

Fiedler, Richard D., Burt, N. Dak. Mobile pile driver. 2,496,706, Feb. 7.

Fiehl, Michael: *See*—
Pfaff, Wesley, Lake, and Fiehl.

Field, Archer H.: *See*—
Lebeson, Herman, and Field.

Field, Crosby, assignor to Flakice Corporation, Brooklyn, N. Y. Ice-making apparatus. 2,522,506, Sept. 19.

Field, Crosby, assignor to Flakice Corporation, Brooklyn, N. Y. Ice-making apparatus. 2,522,507, Sept. 19.

Field, Edmund, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Formaldehyde synthesis. 2,504,402, Apr. 18.

Field, Edmund, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Methanol oxidation catalysts. 2,519,751, Aug. 22.

Field, Edward A., Jr., Mendota, Ill. Draft limiting damper. 2,514,446, July 11.

Field, Jacob M., Brooklyn, N. Y. Hair remover. 2,495,370, Jan. 24.

Field, Jacob M., Brooklyn, assignor to Deering, Milliken & Co., Inc., New York, N. Y. Container. 2,517,552, Aug. 8.

Field, Lloyd M., New London, Ohio. Unified distribution of fluid and electrical ignition current to tubular valved spark plugs. 2,509,093, May 23.

Field, Oscar S., assignor to General Railway Signal Company, Rochester, N. Y. Airway traffic control system. 2,509,632, May 30.

Field, Oscar S., S. N. Wight, and R. W. Hewes, assignors to General Railway Signal Company, Rochester, N. Y. Airplane approach control system. 2,495,140, Jan. 17.

Field, Oscar S., and S. N. Wight, assignors to General Railway Signal Company, Rochester, N. Y. Airway traffic control system. 2,516,376, July 25.

Field, Oscar S., S. N. Wight and R. W. Hewes, assignors to General Railway Signal Company, Rochester, N. Y. Airplane approach control system. 2,522,029, Sept. 12.

Field, Philip G.: *See*—
Golub, Samuel G., and Field.

Field, Roy E., Fullerton, Calif. Vehicle steering wheel locking device. 2,531,675, Nov. 28.

Field, Sydney S., New York, N. Y. Proportioning device. 2,517,647, Aug. 8.

Field, William J., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electrical motor control apparatus with means for reducing motor speed to prevent coasting. 2,508,639, May 23.

Field, William J., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Motor controlling apparatus. Re. 23,275, Oct. 3.

Field, William J., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Motor control system. 2,529,490, Nov. 14.

Fieldhouse, John N.: *See*—
Naylor, Joshua C., and Fieldhouse.

Fielding, C. Stuart, asignee: *See*—
Evans, George E.

Fielding, Edward A.: *See*—
Wooster, Nora A. and W. A., and Fielding.

Fielding, George T., Stamford, Conn. Electric shoe polishing machine with reciprocating polishing belt. 2,498,947, Feb. 28.

Fields, Carleton M.: *See*—
Nevin, Robert S., Sr., and Fields.

Fields, Edward S., Morgantown, W. Va., Jack and lubricated bearing means therefor. 2,506,634, May 9.

Fields, Ernest, New York, N. Y. Toy track system and toy vehicle. 2,512,890, June 27.

Fields, Mack R., Chicago, assignor to Abbott Laboratories, North Chicago, Ill. Pinchcock. 2,503,327, Apr. 11.

Fields, Mack R., Chicago, assignor to Abbott Laboratories, North Chicago, Ill. Ampoule opener. 2,507,097, May 9.

Fields, Mack R., Chicago, assignor to Abbott Laboratories, North Chicago, Ill. Apparatus for implanting medicinal pellets subcutaneously. 2,513,014, June 27.

Fields, Mack R., Chicago, assignor to Abbott Laboratories, North Chicago, Ill. Sterile medicament insufflator cartridge and insufflator. 2,519,555, Aug. 22.

Fields, Mack R., Chicago, assignor to Abbott Laboratories, North Chicago, Ill. Sterile sifter package for pharmaceuticals which may be injured by heat. 2,522,708, Sept. 19.

Fields, Mack R., Chicago, assignor to Abbott Laboratories, North Chicago, Ill. Tablet counting device. 2,530,009, Nov. 14.

Fields, Mack R., Chicago, assignor to Abbott Laboratories, North Chicago, Ill. Carrier for capsules and the like. 2,534,815, Dec. 19.

Fields, Mack R., Libertyville, assignor to Abbott Laboratories, North Chicago, Ill. Insufflator. 2,507,702, May 16.

Fields, Otis E., Oakland, assignor to W. H. Reely, San Mateo, Calif. Fly holder. 2,527,625, Oct. 31.

Fields, Paul R., assignor to Standard Oil Company, Chicago, Ill. Purifying sulfonic acids. 2,502,618, Apr. 4.

Fields, Van Foster, assignee: *See*—
Mote, Louis F.

Fiene, Clara E., administratrix: *See*—
Fiene, Marcus E.

Fiene, Marcus E., deceased, Scotia, N. Y., by C. E. Fiene, administratrix, Erie, Pa., assignor to General Electric Company. Hydrostatic siphon circulation control for thermosiphon heat transfer systems. 2,512,318, June 20.

Fierke, Scheuring S., and R. K. Barclay, assignors to Eastman Kodak Company, Rochester, N. Y. Photographic filter and antihalation layers. 2,503,717, Apr. 11.

Fiero, George W., Port Chester, N. Y., H. F. Seeland, Little Silver, and G. H. Batt, Rahway, N. J., assignors, by mesne assignments to Standard Oil Development Company. Insecticidal paper-coating compositions. 2,534,008, Dec 12.

Fieser, Louis F., Belmont, Mass., G. C. Harris, Wilmington, Del., E. B. Hershberg, Stoughton, Mass., M. Morgana, Grosse Pointe, Mich., F. C. Novello, Lansdowne, Pa., and S. T. Putnam, Newark, Del., assignors to the United States of America as represented by the Secretary of War. Incendiary grenade. 2,501,766, Mar. 28.

Fieser, Louis F., Belmont, Mass., and H. E. Schroeder, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Mono-halogen-substituted-thiophanthraquinone. 2,513,790, July 4.

Fieser, Louis F., Belmont, Mass., and W. F. Van Loenen, Los Altos, Calif.; said Fieser assignor to the United States of America, and said Van Loenen, assignor to Kaiser Aluminum & Chemical Corporation. Pyrotechnic device. 2,530,454, Nov. 21.

Fieux, Jean, Paris, France, vested in the Attorney General of the United States. Catapult device for launching aerial machines. 2,515,205, July 18.

Fieux, Jean, assignor of one-half to Schneider & Cie, Paris, France. Multiple-disk friction coupling. 2,524,311, Oct. 3.

Fife, Harvey R.: *See*—
Roberts, Frederick H., and Fife.

Fifield, Albert F., assignor to The American Fork and Hoe Company, Cleveland, Ohio. Rail anchor. 2,507,703, May 16.

Fifield, Albert F., assignor to The American Fork and Hoe Company, Cleveland, Ohio. Rail anchor. 2,514,601, July 11.

Figaro Company, Inc., The, assignee: *See*—
Hill, Troy D.

Figg, Basil D.: *See*—
Jones, Don F., Miller, and Figg.

Figg, Basil D., East Lansing, assignor to Motor Wheel Corporation, Lansing, Mich. Base structure for heating apparatus. 2,508,818, May 23.

Figg, Basil D., assignor to Motor Wheel Corporation, Lansing, Mich. Heater. 2,526,016, Oct. 17.

Figg, Basil D., East Lansing, assignor to Motor Wheel Corporation, Lansing, Mich. Valve. 2,526,017, Oct. 17.

Figg, Basil D., East Lansing, and J. W. Miller, assignors to Motor Wheel Corporation, Lansing, Mich. Water heater. 2,526,015, Oct. 17.

Figge, Carroll C., Chicago, Ill. Making roof flashing. 2,499,908, Mar. 7.

Figge, Max: *See*—
Magaldino, Andrew J., and Figge.

Figley, Kenneth W., Wheatland, Iowa. Aircraft propeller. 2,510,216, June 6.

Fike, Claudius E., Ahoskie, N. C. Plug-type fishing lure. 2,502,562, Apr. 4.

Fike, Floyd M., Flagstaff, Ariz. Self-adjusting hydraulic brake actuator. 2,513,015, June 27.

Filachione, Edward M., Philadelphia, Pa., M. L. Fein, Riverside, N. J., and C. H. Fisher, Abington, Pa., assignors to the United States of America as represented by the Secretary of Agriculture. Polyhydric alcohol esters of acyloxycarboxylic acids. 2,525,786, Oct. 17.

Filachione, Edward M., Philadelphia, Pa., M. L. Fein, Riverside, N. J., and C. H. Fisher, Abington, Pa., assignors to the United States of America as represented by the Secretary of Agriculture. Hydroxy polyesters. 2,534,255, Dec. 19.

Filarski, Jan D., assignor of one-half to E. Gibas, Amsterdam, Netherlands. Catch-coupling for coupling an axle to a wheel rotatable round that axle. 2,517,473, Aug. 1.

Filbert, Alvin B., Baltimore, Md. Package filling device connected to a conveyer mounted in a channeled guide. 2,499,479, Mar. 7.

Filbert, William F., Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Ignition composition. 2,511,669, June 13.

Filbey, Emery T., assignee: *See*—
Kraybill, Henry R., and Beadle.

Fillauer, Carlton E., Chattanooga, Tenn. Truss. 2,499,480, Mar. 7.

Filler, Irving H., Washington, D. C., and V. H. Olmsted, Rockville, Md. Golf bag. 2,521,573, Sept. 5.

Filliung, Jacques J., Jr., assignor to Sloan Valve Company, Chicago, Ill. Automatic flushing system. 2,507,966, May 16.

Filliung, Oscar C.: *See*—
Ballou, John M., and Filliung.

Film 'N File Inc., assignee: *See*—
Langan, John F.

Filonowicz, Victor, Detroit, Mich. Dustpan with automatic sweeping mechanism. 2,502,936, Apr. 4.

Filstrup, Edward C., Jr.: *See*—
Armstrong, Frank H., and Filstrup.

Filtors, Inc., assignee: *See*—
Zaun, Henry C.

Finch, Harry D.: *See*—
Ballard, Seaver A., Finch, and Peterson.

Finch, Harry D., El Cerrito, and E. A. Peterson, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Preparation of unsaturated esters. 2,513,090, June 27.

Finch, Howard J.: *See*—
Barker, Melvin A., Finch, and Rooks.

Finch, James L., East Rockaway, N. Y., assignor to Radio Corporation of America. Code printer. 2,497,936, Feb. 21.

Finch, James M., Jr., Maysville, Ky. Pyrophoric lighter and fuel supply therefor. 2,507,202, May 9.

Finch, James M., Jr., Maysville, Ky. Pyrophoric lighter and flint supply therefor. 2,507,203, May 9.

Finch, Leonard E., assignor to West Bend Aluminum Company, West Bend, Wis. Pressure cooker. 2,534,164, Dec. 12.

Finch, Raymond J., Schenectady, N. Y., A. P. Harrington, deceased, late of Schenectady, N. Y., by M. M. Harrington, administratrix. Valve operating mechanism. 2,505,106, Apr. 25.

Finch, William G. H., Newtown, Conn. High-speed facsimile synchronizing system. 2,506,268, May 2.

Finch, William G. H., Newtown, Conn. High-speed facsimile synchronizing system. 2,506,269, May 2.

Finch, William G. H., Newtown, Conn. High-speed facsimile synchronizing system. 2,530,516, Nov. 21.

Finch, William G. H., Newtown, Conn., assignor, by mesne assignments, to Pierce Company, Providence, R. I. Compact facsimile recorder and synchronizer. 2,532,271, Nov. 28.

Finch, William G. H., Newtown, Conn., and G. H. Hohmann, Bronx, N. Y., assignors, by mesne assignments, to Pierce Company, Providence, R. I. Facsimile transmitter scanning system. 2,506,017, May 2.

Finch, William G. H., Newton, Conn., and G. H. Hohmann, Bronx, N. Y., assignors, by mesne assignments, to Pierce Company, Providence, R. I. Facsimile receiver-helical drum assembly. 2,511,704, June 13.

Finch, William G. H., Newton, Conn., and G. H. Hohmann, Bronx, N. Y., assignors, by mesne assignments, to Pierce Company, Providence, R. I. Facsimile recorder printer bar. 2,515,864, July 18.

Findlater, John G., Baker, Mont. Oil shale mining machine. 2,495,840, Jan. 31.

Findlay, Robert A., Bartlesville, Okla., assignor to Phillips Petroleum Company. Liquid-liquid contacting. 2,520,391, Aug. 29.

Findlay, Samuel N., and L. A. Hayes, Elyria, Ohio, assignors to National Tube Company. Magnetic roll conveyer. 2,497,162, Feb. 14.

Findley, Donald E., Alfalfa County, Okla. Accelerating and braking control system. 2,528,504, Nov. 7.

Findley, Howard J., Chardon, assignor to Eaton Manufacturing Company, Cleveland, Ohio. Electromagnetic device. 2,497,402, Feb. 14.

Findley, Howard J., Chardon, assignor to Eaton Manufacturing Company, Cleveland, Ohio. Thermoelectric self-controlling combustion heating system. 2,501,627, Mar. 21.

Findley, Howard J., Chardon, assignor to Eaton Manufacturing Company, Cleveland, Ohio. Engine cooling pump and fan assembly. 2,506,547, May 2.

Findley, Howard J., Chardon, assignor to Eaton Manufacturing Company, Cleveland, Ohio. Thermoelectric generator and burner therefor. 2,519,241, Aug. 15.

Findley, Howard J., Chardon, assignor to Eaton Manufacturing Company, Cleveland, Ohio. Magnetic drive. 2,519,449, Aug. 22.

Findley, Howard J., Shaker Heights, assignor to Eaton Manufacturing Company, Cleveland, Ohio. Windshield cleaner mechanism. 2,520,678, Aug. 29.

Findley, Howard J., Chardon, assignor to Eaton Manufacturing Company, Cleveland, Ohio. Thermoelectric generating device. 2,520,679, Aug. 29.

Findley, Howard J., Chardon, assignor to Eaton Manufacturing Company, Cleveland, Ohio. Electrical power-transmitting mechanism. 2,521,574, Sept. 5.

Findley, Joseph D., Jr., A. W. Ogg, and F. E. Florschutz, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Operating mechanism for circuit breakers. 2,515,994, July 18.

Findon, Harry L., Milltown, N. J. Balloon game. 2,504,818, Apr. 18.

Fine, Charles A., Los Angeles, Calif. Metering and delivering lubricants and the like. 2,498,407, Feb. 21.

Fine, John A., Sr., Knoxville, Tenn. Collar support. 2,518,300, Aug. 8.

Fine, Joseph J., Brookline, Mass. Strap cutting means for Venetian blinds. 2,521,509, Sept. 5.

Fine, Leslie, assignor to Menasco Manufacturing Company, Burbank, Calif. Determining oxygen concentration in steel. 2,502,621, Apr. 4.

Fine, Leslie, and A. R. Ozanich, assignors to Menasco Manufacturing Company, Burbank, Calif. Inspecting welds. 2,499,577, Mar. 7.

Fine, Richard D.: *See*—
Jefferson, George D., and Fine.

Fine, Theodore D.: *See*—
Lukas, Leonard J., and Fine.

Finer Foods Packing Corp., assignee: *See*—
Foulkes, John H.

Finigan, Andrew G., Berwyn, F. Bruchtel, Oak Lawn, and M. P. Blomberg, Hinsdale, Ill., assignors to General Motors Corporation, Detroit, Mich. Locomotive cab construction. 2,530,762, Nov. 21.

Finizie, Tomun, Bridgeport, Conn. Electrical connecting means. 2,511,772, June 13.

Fink, Arthur, New York, N. Y. Composition of matter suitable for dental liners. 2,496,387, Feb. 7.

Fink, Colin G., New York, N. Y., assignor to Alwac Company, Inc., Wilmington, Del. Coating ferrous metals with aluminum. 2,497,119, Feb. 14.

Fink, Eli L., Youngstown, Ohio. Clothesline hanger. 2,519,830, Aug. 22.

Fink Frank A., Cleveland, Ohio, assignor to The American Steel and Wire Company of New Jersey. Wire drawing lubricant. 2,500,810, Mar. 14.

Fink, Frank P., Valley Stream, N. Y. Indirect lighting projector producing transversely elongated light beams. 2,516,377, July 25.

Fink, Frank W., and L. E. Morgan, assignors to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Coacting door and movable stairway combination. 2,531,263, Nov. 21.

Fink, Henry A., Pelham Manor, assignor to Continental Can Company Inc., New York, N. Y. Powder dispensing container with measuring trap. 2,535,845, Dec. 26.

Fink, Homer, Topeka, Kans. Surface gauge. 2,495,841, Jan. 31.

Fink, Jean, Delavan, Wis., assignor to The George W. Borg Corporation, Chicago, Ill. Mechanical time fuse. 2,531,121, Nov. 21.

Fink, Jean, and L. Hebbeln, Delavan, Wis., assignors, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Mechanical time fuse. 2,528,823, Nov. 7.

Fink, Melvin M.: *See*—
Veatch, Franklin, and Fink.

Finke, Theodore R.: *See*—
Friedberg, Milton R., Finneburgh, Jr., and Finke.

Finke, Theodore R., Euclid, assignor to The Gabriel Company, Cleveland, Ohio. Contact for small diameter telescopic antennas. 2,520,497, Aug. 29.

Finkelstein, Lawrence, Washington, D. C., now by judicial change of name Lawrence Stein. Illuminating apparatus. 2,508,242, May 16.

Finkelstein, Nathan G., New York, N. Y. Rotatable hair-treating implement. 2,507,373, May 9.

Finkelsteinas, Jokubas, Paris, France. Manufacture of imitation astrakhan furs. 2,501,268, Mar. 21.

Finkelsteinas, Jokubas, Paris, France. Chenille looping machine for the manufacture of artificial furs. 2,523,690, Sept. 26.

Finken, Walter S.: *See*—
Frieder, Leonard P., and Finken.

Finken, Walter S., Brooklyn, and L. P. Frieder, Long Island, N. Y., said Finken assignor to said Frieder. Hangar tent. 2,511,974, June 20.

Finlay, Alexander C.: *See*—
Sobin, Ben A., Finlay, and Kane.

Finlay, Gordon R., Chippawa, Ontario, Canada, assignor to Norton Company, Worcester, Mass. Boron carbide article and making. 2,529,333, Nov. 7.

Finlayson, Donald, and F. B. Hill, Spondon, near Derby, England, assignors to Celanese Corporation of America. Production of stretched artificial yarns and textile materials made therefrom. 2,509,292, May 30.

Finlayson, Donald, and A. W. M. Cooke, Spondon, near Derby, England, assignors to Celanese Corporation of America. Shrinking stretched cellulose acetate fibers with diethyl ketone. 2,515,402, July 18.

Finlayson, Donald, Spondon, near Derby, and H. Crawshaw, London, England, assignors to Celanese Corporation of America. Woven fabric. 2,526,738, Oct. 24.

Finlayson, Edwin H., assignee: *See*—
Wilkins, Mitchell.

Finlayson, Frank E., Ontario, Calif., assignor to General Electric Company. Steam generating electric pressing iron. 2,499,184, Feb. 28.

Finlayson, Frank E., Ontario, Calif., assignor to General Electric Company. Steam iron reservoir water supply and water discharge means. 2,499,185, Feb. 28.

Finlayson, Thomas R.: *See*—
Vogel, Theodore F., Hartman, and Finlayson.

Finlayson, William G., assignor to Vickers Incorporated, Detroit, Mich. Flow regulating device. 2,503,867, Apr. 11.

Finlayson, William G., H. H. Brown, and J. J. McGinnis, assignors to Vickers Incorporated, Detroit, Mich. Vane pump construction. 2,511,573, June 13.

Finley, Frank D., Houston, Tex. Hot-water heater. 2,499,636, Mar. 7.

Finley, George A., Sugar Grove Township, Kane County, Ill. Agricultural implement. 2,504,403, Apr. 18.

Finley, Harold L., Woodhaven, assignor, by mesne assignments, to General Bronze Corporation, Garden City, N. Y. Oil burner vaporizer and igniter. 2,530,237, Nov. 14.

Finley, Tilbert L., Bonham, Tex. Automatic fishing device. 2,494,800, Jan. 17.

Finley, Virgil A., Topeka, Kans. Door seal. 2,530,160, Nov. 14.

Finn, Alfred R.: *See*—
Rostoker, Louis, and Finn.

Finn, Charles B., near Mount Pleasant, Iowa. Teat cup holder for milking machines. 2,512,926, June 27.

Finn, Robert R., assignor to Jones & Lamson Machine Company, Springfield, Vt. Automatic die. 2,501,601, Mar. 21.

Finn, Robert R., assignor to Jones & Lamson Machine Company, Springfield, Vt. Optical projection screen. 2,525,596, Oct. 10.

Finn, Robert S.: *See*—
Hawkins, James E., and Finn.

Finn, Sidney J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Shoe press. 2,497,161, Feb. 14.

Finn, Sidney J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Shoe press. 2,502,620, Apr. 4.

Finneburgh, Lewis H., Jr.: *See*—
Friedberg, Milton R., Finneburgh, Jr., and Finke.

Finneburgh, Lewis H., Jr., and M. R. Friedberg, Cleveland Heights, and A. G. Turk, assignors to The Gabriel Company, Cleveland, Ohio. Antenna reel. 2,496,785, Feb. 7.

Finneburgh, Lewis H., Jr., Cleveland Heights, and R. S. Weiss, assignors to The Gabriel Company, Cleveland, Ohio. Antenna circuit. 2,511,574, June 13.

Finnegan, George B., Jr., assignee: *See*—
De Lisle, Francis A.

Finnemore, Frank, Theunissen, Orange Free State, assignor to Finnemore's Travelling Builder (Proprietary) Ltd., Vereeniging, Union of South Africa. Traveling mold. 2,506,716, May 9.

Finnemore's Travelling Builder (Proprietary) Ltd., assignee: *See*—
Finnemore, Frank.

Finneran, James E., Jr., and H. C. Stites, Columbus, Ohio. Course indicating and marking apparatus for aircraft. 2,506,353, May 2.

Finney, Lawrence, Georgetown, Ill. Poultry eviscerating tool. 2,533,445, Dec. 12.

Finsberg, Ivan F: *See*—
Hube, Gottfried E., and Finsberg.

Finton, Charles H., Chicago, Ill. Fountain toothbrush. 2,516,195, July 25.

Finzel, Theron G., Westlake, and G. F. D'Alelio, Shaker Heights, assignors to Industrial Rayon Corporation, Cleveland, Ohio. Spinning process and compositions. 2,515,206, July 18.

Fiorella, Frank J., Tulsa, Okla. Dental laboratory casting ring insert means. 2,500,246, Mar. 14.

Fiorini, Sestilio: *See*—
Pianta, Ubaldo, and Fiorini.

Fiorini, Walter, Binningen, assignor to Ciba Limited, Basel, Switzerland. Vat dyestuffs. 2,530,010, Nov. 14.

Firestine, John C., South River, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Cyanine dyes. 2,521,705, Sept. 12.

Firestone, Floyd A., Ann Arbor, Mich., and R. B. De Lano, Jr., New York, N. Y., assignors to Sperry Products, Inc., Hoboken, N. J. Means for minimizing power supply ripples. 2,517,994, Aug. 8.

Firestone, Isaac, Forest Hills, assignor to Bruck's Nurses Outfitting Co., Inc., New York, N. Y. Garment. 2,522,356, Sept. 12.

Firestone, Jack, assignor of eighty per cent to Supreme Enterprise, Incorporated, Brooklyn, N. Y. Rotatable target for pin ball game apparatus. 2,523,257, Sept. 19.

Firestone, Reuben, assignee: *See*—
Berger, Roy M.

Firestone Tire & Rubber Company, The, assignee: *See*—
Albert, Harry E.
Alliger, Glen.
Ambelang, Joseph C.
Bosomworth, George P.
Bradley, Harry P.
Brown, Roy W.
Campbell, Harris S.
Carlson, Oscar W.
Carr, Edward L.
Chandley, Henry K.
Cline, Delbert C.
Cox, John H., and Miller.
Cummings, Orra J.
Davis, Ralph C.
Eberly, Kenneth C.
Flint, Hyland C.
Greenup, Harold W., and Jordan.
Groten, Frank J., and Nanfeldt.
Hansen, Louis I., and Smith.
Harrison, Staunton R., and Hill
Huff, Howard W.
Jennings, Arthur F.
Johnson, Charles R.
Koenig, Arthur C.
Kuhn, Leroy B.
Kuhn, Max O.
Lower, James H.
Mason, John K., and Crisp.
McCollister, William H.
McDonald, John E.
Miller, Alvin D., and O'Connell.
Perrine, Clarence E., and Brown.
Perry, Julian P.
Prettyman, Irven B., and Hager.
Reid, Robert J.
Rodman, Sayre.
Rowland, George P., Jr.
Rowland, George P., and Steiner.
Schlichter, John G., and Becker.

Firestone Tire & Rubber Company, The, assignee: *See*— Continued.
Schmidt, Ernst.
Shotton, James A.
Shotton, James A., and Donia.
Smith, George E. P., Jr.
Smith, George E. P., Jr., and Amberland.
Spencer, George A., and Bosomworth.
Stefl, Eugene P., and Bentz.
Stevens, Horace D., and Allen.
Street, John N.
Tann, William E.
Firetox Company, assignee: *See*—
Doughty, Howard W.
Firing, Osborne, New Dorp, N. Y., assignor to Talon, Inc. Machine for injection molding articles. 2,511,402, June 13.
Firing, Osborne, Staten Island, N. Y., and L. M. Dorman, Meadville, Pa., assignors to Talon, Inc. Loom. 2,497,077, Feb. 14.
Firm Fratelli Buehler, assignee: *See*—
Haab, Fred.
Firm Societe d'Exploitation des Procedes Dabeg, assignee: *See*—
Rime-Bruneau, Paul.
Firma Industriornodenheter Lennart Rydenfors, assignee: *See*—
Andersson, Bror O. G.
Firmenich & Co., successeurs de la Societe Anonyme M. Naef & Cie, assignee: *See*—
Stoll, Max.
First Industrial Corporation, assignee: *See*—
Johnson, Warner A.
Kaminky, Oscar H.
Kaminky, Oscar H., and Ransome.
Ransome, Stafford G.
Rohr, Robert D.
First, Melvin J., assignor to Devoe & Raynolds Company, Inc., Louisville, Ky. Brush wrapper. 2,506,954, May 9.
First, Melvin J., assignor to Devoe & Raynolds Company, Inc., Louisville, Ky. Brushmaking machine. 2,513,016, June 27.
First National Bank and Trust Company, The, assignee, executor: *See*—
Hampton, Merle F.
First National Bank of Kansas City, executor: *See*—
Cross, Roy.
Firth, David, South Bend, assignor to Dodge Manufacturing Corporation, Mishawaka, Ind. Wheel mounting. 2,519,958, Aug. 22.
Firth, David, South Bend, assignor to Dodge Manufacturing Corporation, Mishawaka, Ind. Wheel mounting. 2,524,903, Oct. 10.
Firth, David, South Bend, assignor to Dodge Manufacturing Corporation, Mishawaka, Ind. Bearing seal. 2,530,052, Nov. 14.
Firth, David, South Bend, assignor to Dodge Manufacturing Corporation, Mishawaka, Ind. Mounting for sheaves, etc. 2,535,729, Dec. 26.
Firth, Thos., & John Brown Limited, assignee: *See*—
Rotherham, Leonard, and Sykes.
Fiscella, John J.: *See*—
Pfeffer, Edward C., Jr., Gannon, and Fiscella.
Fisch, Richard A., assignee: *See*—
Seckel, Peter H.
Fisch, Richard A., Kew Gardens, N. Y. Insulated shield for metal backed television tubes. 2,503,813, Apr. 11.
Fischer, Albert C., Chicago, Ill. Self-packing pipe joint. 2,517,778, Aug. 8.
Fischer, Albert C., and W. H. Walker, Chicago, Ill.; said Walker assignor to said Fischer. Sealing compound. 2,511,830, June 20.
Fischer, Albert M., Chicago, Ill. Yeast drying apparatus. 2,521,706, Sept. 12.
Fischer, Arnold F., New York, N. Y. Tension means for wire stitching machines. 2,533,782, Dec. 12.
Fischer, Arthur H., assignor to Minerec Corporation, New York, N. Y. Froth flotation of sulfide ores. 2,501,269, Mar. 21.
Fischer, Carl W., assignor to The Powers Regulator Company, Chicago, Ill. Locking mechanism for cabinets, instrument cases, and the like. 2,511,253, June 13.
Fischer, Carl W., and E. Saballus, assignors to The Powers Regulator Company, Chicago, Ill. Regulator. 2,518,674, Aug. 15.
Fischer, Charles J., assignee: *See*—
Rook, James A.
Fischer, Clarence P., St. Louis County, Mo. Apparatus for protecting the bearings of an engine against lubricating failures. 2,502,318, Mar. 28.
Fischer, Donald H.: *See*—
Simpkins, Nathaniel J., and Fischer.
Fischer, Frederick C., Edgar, Wis. Valve. 2,512,320, June 20.
Fischer, Friedrich E., Zurich, Switzerland. Foil measuring system with magnetic brake. 2,531,417, Nov. 28.
Fischer, Fritz, New York, N. Y., assignor to Remington Arms Company, Inc., Bridgeport, Conn. Ammunition manufacture. 2,506,144, May 2.
Fischer, Georg, Aktiengesellschaft, assignee: *See*—
Rothschild, Hans J.
Fischer, H. G., & Co., assignee: *See*—
Kozinski, Joseph.
Fischer, Harry G., and L. J. Wendling, assignors to The Apex Machine & Tool Company, Dayton, Ohio. Composite bit device for screw drivers and the like. 2,522,217, Sept. 12.
Fischer, Herbert C., Wellesley Hills, and A. H. W. Higgins, Boston, Mass. Built-up structural element. 2,500,940, Mar. 21.
Fischer, John J., assignor to The Patterson-Kelley Co., Inc., East Stroudsburg, Pa. Blending or mixing apparatus. 2,514,126, July 4.
Fischer, Paul E., Portland, and E. Ardell, Middletown, assignors, by mesne assignments, to Hartford-Empire Company, Hartford, Conn. Article labeling machine. 2,498,667, Feb. 28.
Fischer, Paul W.: *See*—
Moore, Charles C., and Fischer.
Fischer, Paul W., Long Beach, and R. A. Rogers, Wilmington, assignors to Union Oil Company of California, Los Angeles, Calif. Drilling mud. 2,518,439, Aug. 15.
Fischer, Ralph M.: *See*—
Angus, Everett N., Greely, and Fischer.
Fischer, Raymond, Drexel Hill, Pa. Control attachment for weighing machines. 2,516,456, July 25.
Fischer-Schmutz, Adolf, Basel, Switzerland. Jointing and gluing machine. 2,504,673, Apr. 18.
Fischer, Wilbur E., Freeport, N. Y. Child's play pen. 2,498,203, Feb. 21.
Fischer, William, United States Navy. Trailer unit. 2,534,256, Dec. 19.
Fischer, William C.: *See*—
Khouri, Alfred S., and Fischer.
Fischer, William L.: *See*—
Sawyer, Robert T., and Fischer.
Fischler, Harry A., Williamsport, Pa. Fish lure. 2,507,098, May 9.
Fischman, Irving V., Brooklyn, N. Y. Counting machine having detachably mounted capsule counting plate. 2,515,594, July 18.
Fiset, Alphonse J., Worcester, and C. D. Brown, assignor to Draper Corporation, Hopedale, Mass. Cloth roll windup and release. 2,497,120, Feb. 14.
Fish, Albert V., assignee: *See*—
Twist, Edward C.
Fish, Earl R., assignor to Lipe-Rollway Corporation, Syracuse, N. Y. Overload release clutch. 2,508,061, May 16.
Fish, Franklin A., assignor to Link Manufacturing Company, Ltd., Gananoque, Ontario, Canada. Aquatic device. 2,493,482, Jan. 3.
Fish, John R., Springfield, Mass. Liquid consumption device. 2,493,757, Jan. 10.
Fish, John R., Sprinfield, Mass. Center. 2,531,809, Nov. 28.
Fish Machinery Corporation, assignee: *See*—
Savrda, Charles M.
Fish, Robert L., Southbridge, Mass. Abrasion testing machine. 2,519,556, Aug. 22.
Fish, Russell H., Jr., Hollywood, Calif. Land and air vehicle. 2,494,547, Jan. 17.
Fish, Stanley W., Springfield, Mass., assignor to the United States of America as represented by the Secretary of War. Firearm container. 2,512,622, June 27.
Fish, Walter D., Claremont, N. H., assignor to Joy Manufacturing Company. Material unloading apparatus. 2,524,888, Oct. 10.
Fishback, John H., Noblesville, Ind. Hand tool for breaking loose tire casing from its rim. 2,498,075, Feb. 21.
Fishbein, Meyer, Los Angeles, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Gas turbine system for aircraft propulsion. 2,526,941, Oct. 24.
Fishburne, Francis B., Asheville, N. C. Hydraulic press. 2,512,246, June 20.
Fishel, Robert G., Chicago, Ill. Telephone dialer. 2,495,892, Jan. 31.
Fisher Accessories Corporation, assignee: *See*—
Moench, Paul.
Fisher, Arthur W., Forest Hills, and W. B. Wells, Wilkinsburg, assignors to The Union Switch and Signal Company, Swissvale, Pa. Wayside indicator for railway motor cars. 2,500,608, Mar. 14.
Fisher, Bernard C., Jersey City, N. J. Compression relief for internal-combustion engines. 2,534,860, Dec. 19.
Fisher, Berne N., Roselle, assignor to General Instrument Corporation, Elizabeth, N. J. Charged particle deflecting unit employing a permanent magnet. 2,500,455, Mar. 14.
Fisher, Berne N., Roselle, assignor to General Instrument Corporation, Elizabeth, N. J. Television tuning device. 2,503,579, Apr. 11.
Fisher, Cecil C., Lombard, Ill., assignor to Raytheon Manufacturing Company, Newton, Mass. Switch mechanism adapted for use in a high-frequency heating system. 2,515,152, July 11.
Fisher, Charles D.: *See*—
Mrak, Emil M., Phaff, Whelton, and Fisher.
Fisher, Charles H.: *See*—
Fein, Martin L., and Fisher.
Filachione, Edward M., Fein, and Fisher.
Mast, William C., and Fisher.
Ratchford, William P., and Fisher.
Rehberg, Chessie E., and Fisher.
Fisher, Ernest F., assignor to Whiting Corporation, Harvey, Ill. Fly ash and dust collector. 2,496,281, Feb. 7.

Fisher, Felix R., Streatham Hill, England. Life belt having a compressed gas inflation cylinder. 2,533,446, Dec. 14.

Fisher, Frank R., Hammond, Ind., assignor to Sinclair Refining Company, New York, N. Y. Pyrolytic conversion of hydrocarbons with recovery of coke. 2,494,695, Jan. 17.

Fisher, George A., Pittsburgh, Pa. Road marking apparatus. 2,515,865, July 18.

Fisher, George A., Selinsgrove, Pa., assignor to Wm. S. Scull Company, Camden, N. J. Manufacture of nut butter. 2,496,461, Feb. 7.

Fisher, George A., Selinsgrove, Pa., assignor to Wm. S. Scull Company, Camden, N. J. Roasting whole nuts. 2,496,462, Feb. 7.

Fisher, George H., New York, N. Y. Pocket atomizer. 2,530,161, Nov. 14.

Fisher, George H., St. Louis Park, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Manual control mechanism. 2,512,770, June 27.

Fisher, Gerald A., assignor to The Maco Corporation, Huntington, Ind. Automatic throttle control system. 2,528,745, Nov. 7.

Fisher Governor Company, assignee: *See*—
Jones, Benjamin R.

Fisher, Hardin Y.: *See*—
Soreng, Edgar M., and Fisher.
Soreng, Edgar M., Sanda, and Fisher.

Fisher, Harry C., Cincinnati, and B. E. Sooy, Middletown, Ohio, assignors to The Gardner Board and Carton Co. Coated paperboard and making same. 2,515,340, July 18.

Fisher, Henry B., Bartlesville, Okla., assignor to Phillips Petroleum Company. Drilling mud clay. 2,515,207, July 18.

Fisher, Herman A., Hammond, Ind., and R. Rainnie, Chicago, Ill. Centrifugal impeller mill with rotating target. 2,512,523, June 20.

Fisher, James W.: *See*—
Bates, Harold, Fisher, and Wheatley.

Fisher, James W., H. Bates, and E. W. Wheatley, Spondon, near Derby, England, assignors to Celanese Corporation of America. Treatment of triazole polymers. 2,512,624, June 27.

Fisher, James W., and E. W. Wheatley, Spondon, near Derby, and G. W. I. Sheavyn, Warwickshire, England, assignors to Celanese Corporation of America. Compositions comprising polymeric triazoles dissolved in oxynitriles. 2,512,625, June 27.

Fisher, James W., and E. W. Wheatley, Spondon, near Derby, England, assignors to Celanese Corporation of America. Production of nitrogen-containing polymers. 2,512,626, June 27.

Fisher, James W., and E. W. Wheatley, Spondon, near Derby, England, assignors to Celanese Corporation of America. Producing copolytriazoleamides. 2,512,627, June 27.

Fisher, James W., E. W. Wheatley, and H. Bates, Spondon, near Derby, England, assignors to Celanese Corporation of America. Treating polytriazoles. 2,512,628, June 27.

Fisher, James W., E. W. Wheatley, and H. Bates, Spondon, near Derby, England, assignors to Celanese Corporation of America. Poly - 4 - amino-triazole compositions. 2,512,629, June 27.

Fisher, James W., H. Bates, and E. W. Wheatley, Spondon, near Derby, England, assignors to Celanese Corporation of America. Polymeric compositions. 2,512,630, June 27.

Fisher, James W., and E. W. Wheatley, Spondon, near Derby, England, assignors to Celanese Corporation of America. Hydrazine polymers. 2,512,631, June 27.

Fisher, James W., and E. W. Wheatley, Spondon, near Derby, England, assignors to Celanese Corporation of America. Production of nitrogen-containing polymers. 2,512,632, June 27.

Fisher, James W., and E. W. Wheatley, Spondon, near Derby, England, assignors to Celanese Corporation of America. Modified hydrazide polymers. 2,512,633, June 27.

Fisher, James W., E. W. Wheatley, and H. Bates, Spondon, near Derby, England, assignors to Celanese Corporation of America. Condensation of linear 1,2,4 triazole with aldehyde, diisocyanate, or diurethane. 2,512,634, June 27.

Fisher, James W., E. W. Wheatley, and H. Bates, Spondon, near Derby, England, assignors to Celanese Corporation of America. Spinning artificial materials. 2,512,891, June 27.

Fisher, James W., and E. W. Wheatley, Spondon, near Derby, England, assignors to British Celanese Limited. Production of poly-sulfone amide polymers. 2,534,347, Dec. 19.

Fisher, Jay, assignee: *See*—
Bruen, George C.

Fisher, John T., Los Angeles, Calif. Faucet valve seat dressing tool. 2,514,155, July 4.

Fisher, Joseph F., assignor to Philco Corporation, Philadelphia, Pa. Frequency divider. 2,529,547, Nov. 14.

Fisher, Lawrence E.: *See*—
Platz, Elwood T., and Fisher.

Fisher, Martin H.: *See*—
Albert, Eugene F., and Fisher.
Harding, William R., and Fisher.

Fisher, Martin H., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Direct-current motor. 2,508,151, May 16.

Fisher, Martin H., and V. B. Baker, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Core type reel drive. 2,495,245, Jan. 24.

Fisher, Philip A.: *See*—
Ball, Charles J. P., Jessup, Emley, and Fisher.
Ball, Charles J. P., Jessup, and Fisher.
Emley, Edward F., Jessup, and Fisher.

Fisher, Pius A., Kansas City, Mo., and E. T. Shea, Kansas City, Kans. Cotton waste retainer for railway journal boxes. 2,495,410, Jan. 24.

Fisher, Richard D., Norwood, Pa. Hanger. 2,528,220, Oct. 31.

Fisher, Robert P., Los Angeles, and J. P. Geiger, Montrose, Calif. Massaging and stretching machine. 2,534,587, Dec. 19.

Fisher, Roy A., assignee: *See*—
Kurtz, George E.

Fisher Scientific Company, assignee: *See*—
Millen, Edwin R.

Fisher, Sidney T., Montreal, Quebec, Canada, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Suppression of noise in communication systems. 2,504,971, Apr. 25.

Fisher, Simon, assignor to National Electric Welding Machines Company, Bay City, Mich. Electrode tip cleaning device. 2,503,382, Apr. 11.

Fisher, Theodore R., Tampa, Fla. Clip-on eyeshield. 2,519,959, Aug. 22.

Fisher, Willis A., Amherst Township, Erie County, N. Y., assignor to the United States of America as represented by the Secretary of War. Production of 7-chloro-4-aminoquinolines. 2,494,801, Jan. 17.

Fishing Research Corporation, assignee: *See*—
Scheel, Henry A.

Fishlove, H., & Co., assignee: *See*—
Goldfarb, Adolph.

Fishman, Benjamin: *See*—
Babits, Louis, Fishman, and Pagenkopf.

Fisk, Charles F., Clifton, N. J., assignor to United States Rubber Company, New York, N. Y. Microporous resin. 2,505,353, Apr. 25.

Fisk, Charles F., Clifton, N. J., assignor to United States Rubber Company, New York, N. Y. Copolymers of maleic alkyds with monovinyl compounds. 2,521,575, Sept. 5.

Fisk, Ernest T., Sydney, New South Wales, Australia. World time indicator. 2,513,465, July 4.

Fisk, George D., Bellflower, Calif. Hinged telescope gun sight mount. 2,529,801, Nov. 14.

Fisk, Henry G., assignor to The University of Wyoming, Laramie, Wyo. Refractory and making the same. 2,528,471, Oct. 31.

Fisk, Howard W., Juneau, Alaska. Hairbrush with slidable bristle cleaning means attached thereto. 2,529,927, Nov. 14.

Fisk, Phillip, Berrien Springs, assignor to Clark Equipment Company, Buchanan, Mich. Transmission. 2,512,856, June 27.

Fiske, James M.: *See*—
Gerwe, Raymond D., and Fiske.

Fiske, Milan D., Schenectady, N. Y., assignor to General Electric Company. Electronic discharge device. 2,496,865, Feb. 7.

Fiske, Milan D., Schenectady, N. Y., assignor to General Electric Company. Device for controlling the propagation of energy in a wave guide. 2,505,534, Apr. 25.

Fiske, Milan D., Schenectady, N. Y., assignor to General Electric Company. Frequency responsive protective arrangement for ultra high frequency systems. 2,531,122, Nov. 21.

Fiske, Milan D., and R. B. Nelson, Schenectady, N. Y., assignors to General Electric Company. High-frequency electrical apparatus. 2,523,286, Sept. 26.

Fiske, Roy W., Salem, Oreg. Grinding arbor. 2,501,669, Mar. 28.

Fitch, Benjamin F., Newport, R. I., assignor to National Fitch Corporation. Combined thermometer and sampling unit. 2,523,691, Sept. 26.

Fitch, Clifford E., assignor to The Aro Equipment Corporation, Bryan, Ohio. Flexible trigger throttle. 2,493,957, Jan. 10.

Fitch, Clifford E., assignor to The Aro Equipment Corporation, Bryan, Ohio. Impact wrench. 2,508,997, May 23.

Fitch, Clyde J., Endicott, assignor to International Business Machines Corporation, New York, N. Y. Printing telegraph apparatus. 2,517,995, Aug. 8.

Fitch, Clyde J., Endicott, assignor to International Business Machines Corporation, New York, N. Y. Record controlled actuating mechanism fo embossing machines. 2,531,876, Nov. 28.

Fitch, Clyde J., Endicott, assignor to International Business Machines Corporation, New York, N. Y. Carriage return mechanism for record controlled embossing machines. 2,531,877, Nov. 28.

Fitch, Clyde J., Endicott, and R. N. Eichorn, Vestal, assignors to International Business Machines Corporation, New York, N. Y. Transmitter. 2,521,353, Sept. 5.

Fitch, Ellery R., assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio. Fluid-pressure valve. 2,493,449, Jan. 3.

Fitch, Ellery R., assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio. Fluid pressure governor. 2,508,344, May 16.

Fitch, Elliott B.: *See*—
Jacobs, Ray T., and Fitch.
Wilcox, Arnold L., Roberts, and Fitch.

Fitch, Elliott B., Westport, assignor to The Dorr Company, Stamford, Conn. Recovery of glutamic compounds from glutamine contained in an impure solution thereof. 2,528,047, Oct. 31.

Fitch, Harold L., assignor to Eastman Kodax Company, Rochester, N. Y. Continuous control printer. 2,533,447, Dec. 12.

Fitch, Stanley, Woodford Green, assignor to Asea Electric Limited, London, England. Screen for welders, grinders, or furnacemen. 2,505,640, Apr. 25.

Fitchburg Engineering Corporation, assignee: See—
Fickett, Ernest L., and Wissenbach.

Fitches, Gerald E., Salt Lake City, Utah. Novelty garment. 2,493,531, Jan. 3.

Fitler, Eugene B., Closter, N. J. Optician's tool for holding plastic temples while shaping same. 2,516,512, July 25.

Fitpold, Joseph E., Chicago, Ill., assignor to United States Hoffman Machinery Corporation, New York, N. Y. Dress finisher. 2,511,796, June 13.

Fitterling, Cecil H., South Bend, assignor to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Closure flap structure for overshoes or the like. 2,517,189, Aug. 1.

Fitzgerald, Charles F., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Jack for sole pressing machines. 2,504,191, Apr. 18.

Fitzgerald, Edward J., assignor to Son-Chief Electrics, Incorporated, Winsted, Conn. Electric toaster. 2,515,866, July 18.

Fitzgerald, James F., Detroit, Mich. Guiding disk for drawing pencils. 2,496,086, Jan. 31.

Fitzgerald, Mae H., assignee: *See*—
Hand, Spurgeon L.

Fitzgerald, Ralph M., assignee: *See*—
O'Riley, Patrick.

Fitzharris, Edward, Hollywood, Calif. Jet casting arrow. 2,531,418, Nov. 28.

Fitzhugh, Andrew F., Agawam, assignor to Shawinigan Resins Corporation, Springfield, Mass. Polyvinyl acetal resin. 2,527,495, Oct. 24.

Fitzpatrick, Arthur M., Jr., Detroit, Mich. Reclining chair. 2,528,505, Nov. 7.

Fitzpatrick Industries, Inc., assignee: *See* —
White, Allan T.

Fitzpatrick, Richard T., Marcellus, N. Y. Cigarette lighter. 2,493,662, Jan. 3.

Fitzpatrick, Stephen L., Detroit, Mich. Delivery system. 2,520,239, Aug. 29.

Fitzsimmons, John J., Clarence Center, assignor to National Gypsum Company, Buffalo, N. Y. Gypsum plaster composition. 2,508,600, May 23.

Fitzsimmons, John T., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Ignition rotor with resistor. 2,509,094, May 23.

Fitzsimmons, Leslie J., East Orange, N. J. Mask. 2,498,668, Feb. 28.

Fitzsimmons, Robert L., Tucumcari, N. Mex. Staging rack. 2,501,443, Mar. 21.

Fitzwater, Ezra M., and L. D. Sobel, Columbus, Ohio. Mute for stringed musical instruments. 2,525,406, Oct. 10.

Fitzwilliam, James W.: *See*—
Wyckoff, Ralph D., Fitzwilliam, and Salvetti.

Fiumedoro, Ali J., assignor of one-half to Silin Manufacturing Company, Boston, Mass. Centering device for necktie linings. 2,523,754, Sept. 26.

Fizzell, James A., and J. G. Golseth, Chicago, Ill., assignors, by mesne assignments, to Research Corporation, New York, N. Y. Impulse stimulating apparatus. 2,498,882, Feb. 28.

Fjeldstad, Sverre, New York, N. Y. Apparatus for spraying cementitious compositions. 2,534,116, Dec. 12.

Fjellstedt, Thorsten, Ingleside, and S. C. Killian, Glen Ellyn, assignors to The Delta-Star Electric Company, Chicago, Ill. Switch construction. 2,527,924, Oct. 31.

Flagg, Charles N., Meriden, Conn., assignor to Memorial Hospital, New York, N. Y. Aspiration biopsy. 2,522,108, Sept. 12.

Flagler, Walter L., Wilmington, Calif. Wire stringing device. 2,503,814, Apr. 11.

Flagstad, Cornell, Minneapolis, Minn. Folding card table with lock means. 2,521,707, Sept. 12.

Flaherty, Edward V., Woonsocket, R. I. Artificial fishing bait. 2,510,566, June 6.

Flaherty, John J., Jr., Savannah, Ga., assignor to Hercules Powder Company, Wilmington, Del. Manufacture of a dry saponified resin. 2,511,575, June 13.

Flaig, John W.: *See*—
Clem, Benjamin H., and Flaig.

Flakice Corporation, assignee: *See*—
Field, Crosby.
Leeson, Meldon G.

Flaktfabriken, A. B. Svenska, assignee: *See*—
Frisk, Nils P. W., and Wallin.

Flame Cultivation, Incorporated, assignee: *See*—
Richards, Atherton.

Flanagan, Bryan W.: *See*—
Benoliel, Robert W., and Flanagan.

Flanagan, Francis L.: *See*—
Hermann, Benjamin R., and Flanagan.

Flanagan, Robert, Glen Rock, assignor to Bendix Aviation Corporation, Teterboro, N. J. Preventing seizure of moving parts. 2,519,557, Aug. 22.

Flanagan, Robert M., Glen Rock, assignor to Bendix Aviation Corporation, Teterboro, N. J. Jet propulsion outboard motor. 2,528,354, Oct. 31.

Flanagan, Thomas C., assignee: *See*—
Seiden, Herman L.

Flanagan, William F., assignor to New Wrinkle, Inc., Dayton, Ohio. Giving nonwrinkling materials a wrinkle texture. 2,510,966, June 13.

Flanagan, William F., assignor to New Wrinkle, Inc., Dayton, Ohio. Apparatus for producing wrinkle texture on nonwrinkling films. 2,510,967, June 13.

Flanders, Ralph E., and L. Davis, assignors to Jones & Lamson Machine Company, Springfield, Vt. Indexing mechanism. 2,506,495, May 2.

Flanery, Warren H.: *See*—
Flanery, Warren J. and W. H.

Flanery, Warren J. and W. H., Farmers, Ky. Tire pressure indicator. 2,502,515, Apr. 4.

Flannery, James N.: *See*—
Armitage, Joseph B., and Flannery.

Flanzy, Michel P. P., Narbonne, assignor to J. M. L. P. Fabre, Servian, France. Desulfurization of vegetable foodstuffs. 2,509,633, May 30.

Flasher, Irving I., St. Paul, Minn. Garment with breathing sleeve action. 2,532,702, Dec. 5.

Flatau, James G., Chicago, Ill. Wrist watch band. 2,511,333, June 13.

Flavin, Clarence B., Flint, Mich. Exterior-type sun visor. 2,534,763, Dec. 19.

Flavor Corporation of America, assignee: *See*—
Tribble, Talmadge B.

Flaxman, Marcellus T., assignor to Wilco Company, Los Angeles, Calif. Glass cleaning composition. 2,524,380, Oct. 3.

Fleak, Glen D., Beaumont, assignor of one-half to M. J. Johnson, Orange, Tex. Display device. 2,527,803, Oct. 31.

Fleck, Hayden A.: *See*—
Jacobson, Joel M., Brader, and Fleck.

Fleck, Joseph, Asbury Park, N. J. Container cover and hinge. 2,529,248, Nov. 7.

Fleck, Kenneth J.: *See*—
Bentz, Erwin J., and Fleck.

Fleck, Kenneth J., Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif. Injection plunger for compression ignition engines. 2,535,535, Dec. 26.

Fleck, Raymond N., Los Angeles, and P. G. Nahin, Long Beach, assignors to Union Oil Company of California, Los Angeles, Calif. Catalysts for conversion of hydrocarbons. 2,500,146, Mar. 14.

Fleener, Charles L., Spokane, Wash. Sound producing device. 2,511,403, June 13.

Fleet, John J., assignee: *See*—
Stanton, Austin N.

Fleetwood Airflow Inc., assignee: *See*—
Schmidt, Joseph J., and Popky.

Fleig, John A.: *See*—
Blackwelder, Ernest F., Léa, and Fleig.

Fleisch, Alfred, Lausanne, Switzerland. Spirometer apparatus for determining the characteristic of metabolism. 2,527,716, Oct. 31.

Fleischer, Kurt W., assignor to Selas Corporation of America, Philadelphia, Pa. Heater for fluids. 2,527,410, Oct. 24.

Fleischer Mills, Inc., The, assignee: *See*—
Fleischer, Nathan I.

Fleischer, Nathan I., assignor to The Fleischer Mills, Inc., Cincinnati, Ohio. Detachable marking tag. 2,514,127, July 4.

Fleisher, Harry, Greenbelt, Md. Chemical indicator. Re. 23,276, Oct. 3.

Fleisher, Walter L., New City, N. Y. Apparatus and method for cleaning and humidifying gaseous fluids such as air. 2,502,137, Mar. 28.

Fleishman, Myron, New York, N. Y., assignor to All Metal Products Company, Wyandotte, Mich. Toy pistol. 2,535,402, Dec. 26.

Flem, James P., Fargo, N. Dak. Coin-controlled movable trap chamber within supply chamber for measuring and dispensing liquids. 2,511,907, June 20.

Fleming, Glen L., San Leandro, Calif. Stall warning device for airplanes. 2,497,494, Feb. 14.

Fleming, Jacob W. P., Memphis, Tenn. Aerial train. 2,496,087, Jan. 31.

Fleming, James C.: *See*—
Baker, Robin, and Fleming.

Fleming, James E., West Springfield, Mass. Shock absorber. 2,493,739, Jan. 10.

Fleming, Lawrence: *See*—
Estes, Nelson N., and Fleming.

Fleming, Margaret M., Port Arthur, Tex. Portable resuscitating table. 2,499,242, Feb. 28.

Fleming, Paul A., La Crescenta, Calif. Fish and gun box. 2,501,270, Mar. 21.

Fleming, Robert W.: *See*—
Rieveschl, George, Jr., and Fleming.

Fleming, Vernon W., Sun River, Mont. Grain pickup machine 2,513,466, July 4.

Fleming, William D., Denver, Colo. Producing synthetic resinous material for mounting microscopic specimens. 2,502,446, Apr. 4.

Fleming, William J., New Britain, assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Electric circuit breaker. 2,504,513, Apr. 18.

Fleming, William J., New Britain, assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Bus duct hanger. 2,523,869, Sept. 26.

Fleming-Williams, Brian C., and A. Allen, assignors to A. C. Cossor Limited, London, England. Triggered electronic sweep generator. 2,494,865, Jan. 17.

Flenghi, Louis, Los Angeles, Calif. Disk and pin game. 2,520,392, Aug. 29.

Flenner, Albert L.: *See*—
Searle, Norman E., and Flenner.

Flenner, Albert L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manganous ethylene bisdithiocarbamate and fungicidal compositions containing same. 2,504,404, Apr. 18.

Flenner, Albert L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. DDT insecticide dust and making same. 2,506,635, May 9.

Flenner, Albert L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Insecticidal dusts containing 2,2-bis(4-methoxyphenyl)-1,1,1-trichloroethane and making same. 2,506,636, May 9.

Flenner, Albert L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Fused DDT compositions containing an absorbent inert. 2,529,681, Nov. 14.

Flenner, Albert L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. 2,2-bis (4-methoxyphenyl)-1,1,1-trichloroethane insecticidal dust and making same. 2,529,682, Nov. 14.

Flesch, John E., and E. G. Opsahl, assignors to American Steel Foundries, Chicago, Ill. Side frame bracket. 2,508,020, May 16.

Flesch, Norman: *See*—
Simonek, Edward J., and Flesch.

Flesch, Norman, assignor to American Steel Foundries, Chicago, Ill. Clasp brake. 2,509,139, May 23.

Flesch, Norman, assignor to American Steel Foundries, Chicago, Ill. Brake beam fulcrum. 2,517,190, Aug. 1.

Flesh, Roy V., assignee: *See*—
Doepke, Frederick C.

Fletcher Aircraft: *See*—
Fletcher, Frank P.

Fletcher, Charles J., assignee: *See*—
Romyns, Charles J.

Fletcher, Dean, Wildomar, Calif. Quick removable rooter attachment for bulldozer moldboards. 2,497,351, Feb. 14.

Fletcher, Dean, Wildomar, J. H. Stinson and C. Gray, Elsinore, Calif. Wave actuated air compressing apparatus and process. 2,511,705, June 13.

Fletcher, Ed: *See*—
Slayter, Games, and Fletcher.

Fletcher, Frank H., Jr., Flushing, N. Y. Seal for centrifugal machines. 2,505,391, Apr. 25.

Fletcher, Frank P., assignor to W. S., F. P., and M. C. Fletcher, co-partners doing business as Fletcher Aircraft, Pasadena, Calif. Bicycle construction. 2,497,121, Feb. 14.

Fletcher, George E., United States Navy. Pallet stacking guide. 2,495,711, Jan. 31.

Fletcher, George H., Sheffield, England, assignor, by mesne assignments, to General Electric Company. Current collector and cone insulator therefor. 2,501,502, Mar. 21.

Fletcher, George W., San Francisco, Calif. Trailer camp car. 2,523,205, Sept. 19.

Fletcher, Harlan B., Beverly, assignor to Sylvania Electric Products Inc., Salem, Mass. Fluorescent lighting fixture. 2,525,537, Oct. 10.

Fletcher, Harry R., assignor to Marken Machine Company, Keene, N. H. Ink unit for marking machines. 2,522,218, Sept. 12.

Fletcher, Henry R.: *See*—
Daw, Reginald F., and Fletcher.

Fletcher, Herbert J., and H. D. Dingman, assignors to Dow Corning Corporation, Midland, Mich. Halogenated xenyl trichlorosilanes. 2,528,355, Oct. 31.

Fletcher, Horace, Jr., Lyndhurst Township, Bergen County, N. J. Apparatus for making display film. 2,525,121, Oct. 10.

Fletcher, James H., and H. A. Treudwell, Chicago, and G. W. Wallace, Benton, Ill. Pneumatic coal cleaner 2,512,422, June 20.

Fletcher, James L., Fayetteville, assignor to Carrier Corporation, Syracuse, N. Y. Refrigerator cabinet. 2,529,380, Nov. 7.

Fletcher, James L., Fayetteville, assignor to Carrier Corporation, Syracuse, N. Y. Refrigerator cabinet. 2,535,278, Dec. 26.

Fletcher, James L., Fayetteville, and W. Peglow, Cazenovia, N. Y., and T. G. Crider, Lima, Ohio, assignors to Carrier Corporation, Syracuse, N. Y. Removable refrigeration unit with cabinet structure. 2,535,790, Dec. 26.

Fletcher, John H., Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y. 2-nitrophenyl dialkyl phosphates and thiophosphates. 2,520,393, Aug. 29.

Fletcher, Lawrence D., assignor of one-half to W. N. Calhoun, Lansing, Mich. Power-operated pruning shears. 2,504,405, Apr. 18.

Fletcher, Lou, Sacramento, Calif., assignor, by mesne assignments, to Sanders Manufacturing Company, Tulsa, Okla. Portable hair drying apparatus. 2,516,378, July 25.

Fletcher, Lynn: *See*—
Winks, John, and Fletcher.

Fletcher, Lynn, assignor to Lowell Specialty Company, Lowell, Mich. Spray nozzle. 2,499,021, Feb. 28.

Fletcher, Maurice C., assignee: *See*—
Fletcher, Frank P.

Fletcher, Norman R., Erie, Pa. Micrometer caliper. 2,502,038, Mar. 28.

Fletcher, Orville, 150 Mile House, British Columbia, Canada. Traction wheel grip. 2,525,122, Oct. 10.

Fletcher-Terry Company, The, assignee: *See*—
Judd, Chester K., Jr.

Fletcher Trust Company, trustee, assignee: *See*—
McCormick, Hamilton L.
Starkey, William C.

Fletcher, Wendell S., assignee: *See*—
Fletcher, Frank P.

Fletcher, William A.: *See*—
Nichols, Charles A., Bower, Edwards, Fletcher, McCoy, Sample, and Weiser.
Nichols, Charles A., Todd, and Fletcher, and Keller.

Fletcher, William A., B. S. Sample, and M. E. Todd, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Hydraulic press with continuously rotating dial. 2,500,671, Mar. 14.

Flett, Lawrence H., Scarsdale, assignor to Allied Chemical & Dye Corporation, New York, N. Y. Chlorinating hydrocarbon mixtures. 2,499,578, Mar. 7.

Flett, Lawrence H., Scarsdale, and L. W. Seigle, Bronxville, assignors to Allied Chemical & Dye Corporation, New York, N. Y. Production of n-(hydroxy-aryl) aspartic acid diesters. 2,494,650, Jan. 17.

Fleury, Evariste O., Lewiston, Maine. Musical instrument. 2,510,094, June 6.

Fleury, Lawrence A., Seattle, Wash. Glass-cleaning device. 2,506,075, May 2.

Flexible Vacuum Container Corporation, The, assignee: *See*—
Berch, Samuel H.

Flexibox Limited, assignee: *See*—
Porges, Frederick B.

Flexitallic Gasket Company, assignee: *See*—
Lippincott, Stanley S.
Price, William R.

Flexnit Company, Inc., assignee: *See*—
Martin, Joseph A.

Flex-O-Glass, Inc., assignee: *See*—
Warp, Harold.

Flex-O-Tube Company, assignee: *See*—
Coss, George R.

Flex-Rite Valve & Manufacturing Company, assignee: *See*—
Peck, William H.

Flick, Valentine, Cincinnati, Ohio. Grass edge trimmer. 2,508,819, May 23.

Flick, Walter J. L., Tarentum, Pa. Flag holder. 2,534,117, Dec. 12.

Flicker, Howard D., assignee: *See*—
Brown, William F.

Flicker, Jakob, Brooklyn, N. Y. Edging for table tops. 2,509,037, May 23.

Flicker, Jakob, Brooklyn, N. Y. Table leg attaching means. 2,533,313, Dec. 12.

Flickinger, Charles H.: *See*—
Doyle, Paul J., and Flickinger.

Flickinger, Lester, and G. G. Blaisdell, assignors to Zippo Manufacturing Company, Bradford, Pa. Pyrophoric lighter. 2,517,191, Aug. 1.

Fligel, Mitchell, New York, N. Y. Garment. 2,500,982, Mar. 21.

Flight Equipment and Engineering Corp., assignee: *See*—
Liljengren, Curtis P., and McGregor.

Flight, Theodore N., Clough, W. H. Wilson, Camberley, and A. J. Chinn, assignors to The Rheostatic Company Limited, Slough, England. Thermostatic switch. 2,519,558, Aug. 22.

Flinn, George E.: *See*—
Kelbel, Donald W., Flinn, and Orr.

Flint, Earl E., Middletown, Ohio. Aircraft landing instrument having an optical sight. 2,517,779, Aug. 8.

Flint, Elnar P., and T. C. Miller, Chicago, Ill., and W. F. Douglass, South Omaha, Nebr., assignors to The Cudahy Packing Company, Chicago, Ill. Beneficiation of volcanic ash. 2,496,203, Jan. 31.

Flint, Elnar P., Washington, D. C., L. Shartsis, Bethesda, Md., and L. S. Wells, Washington, D. C. Reducing the concentration of silica in sodium aluminate solutions. 2,519,362, Aug. 22.
Flint, Harold A., San Francisco, and C. F. Lantz, Oakland, Calif. Elevator lock. 2,499,482, Mar. 7.
Flint, Harold A., San Francisco, and C. F. Lantz, Oakland, Calif. Elevator lock. 2,506,496, May 2.
Flint, Hyland C., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Resilient seat structure. 2,514,182, July 4.
Flint, Hyland C., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Cushioning structure. 2,514,214, July 4.
Flint, Robert L.: *See*—
Tucker, William M., and Flint.
Flippen, James A., Santa Ana, Calif. Antenna. 2,523,531, Sept. 26.
Flodquist, Carl E.: *See*—
Whichard, Thomas F., Sr., and Flodquist, C. E. and O. B.
Flodquist, Oscar B.: *See*—
Whichard, Thomas F., Sr., and Flodquist, C. E. and O. B.
Floeter, Frederick S., assignor to Wickes Bros., Saginaw, Mich. Multiple crankpin turning lathe. 2,531,616, Nov. 28.
Flogaus, Howard A., Wallingford, Pa., assignor to ACF-Brill Motors Company, New York, N. Y. Illuminating unit for reclining vehicle seat backs. 2,514,322, July 4.
Flomen, Edward, Montreal, Quebec, Canada. Apparatus for shirring sausage casings. 2,498,948, Feb. 28.
Flood, Edmund L., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Saw lubricant holder. 2,529,249, Nov. 7.
Flood, James H.: *See*—
Van Buskirk, Edward C., Streed, and Flood.
Flora, Herman D., Cutler, Ind. Reversing transmission for corn picker rolls. 2,525,481, Oct. 10.
Flora, Laurence H., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Fastening device. 2,496,866, Feb. 7.
Flora, Laurence H., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Sheet metal clip for moldings and the like. 2,499,637, Mar. 7.
Flora, Laurence H., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Sheet metal spring clip for securing moldings. 2,521,354, Sept. 5.
Flora, Laurence H., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Fastening device. 2,527,124, Oct. 24.
Flora, Lawrence H., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Fastening device. 2,531,264, Nov. 21.
Flora, Rudolph F.: *See*—
Olsen, Ernest R., Flora, and Lonnee.
Floraday, Burton S., Toledo, Ohio, assignor to Marvel Equipment Corporation, Detroit, Mich. Vehicle window guide. 2,494,040, Jan. 10.
Floraday, Burton S., Toledo, Ohio, assignor to Detroit Harvester Company, Detroit, Mich. Vane type fluid motor window regulator. 2,511,501, June 13.
Florence Pipe Foundry & Machine Company, assignee: *See*—
Camerota, Louis A.
Florence Stove Company, assignee: *See*—
Reeves, Herbert M.
Schneider, Frank H.
Flores, Pablo, New York, N. Y. Washboard. 2,504,819, Apr. 18.
Florimont, Eugene, assignor to Greyhound Amusement Device Company, Brooklyn, N. Y. Ball-actuated racing game device. 2,526,215, Oct. 17.
Florio, Patrick A.: *See*—
Calfee, John D., and Florio.
Hammarén, Berndt W., Florio, and Townend.
Florman, Irving, New York, N. Y. Catalytic lighter. 2,497,937, Feb. 21.
Florman, Irving, New York, N. Y. Cigarette lighter. 2,498,536, Feb. 21.
Florman, Irving, New York, N. Y. Cigarette lighter. 2,498,537, Feb. 21.
Florman, Irving, New York, N. Y. Cigarette lighter. 2,519,641, Aug. 22.
Florman, Irving, New York, N. Y. Toilet article. 2,521,630, Sept. 5.
Floro, Robert W., Indianapolis, assignor to H. Y. Fowler, Sr., Anderson, and E. W. Bidwell, Indianapolis, Ind. Shoe sling back strap support. 2,497,720, Feb. 14.
Florschutz, Fritz E.: *See*—
Findley, Joseph D., Jr., Ogg and Florschutz.
Flory, Jesse D., Eaton, Ohio. Gate. 2,529,008, Nov. 7.
Flory, Leslie E.: *See*—
Jensen, Arthur S., and Flory.
Flory, Leslie E., Princeton, N. J., assignor to Radio Corporation of America. Reading aid for the blind. 2,517,102, Aug. 1.
Flory, Leslie E., Princeton, N. J., assignor to Radio Corporation of America. Cathode-ray tube. 2,520,240, Aug. 29.
Flory, Leslie E., and J. E. Ruedy, Princeton, N. J., and G. A. Morton, Knoxville, Tenn., assignors to Radio Corporation of America. Image tube. 2,506,018, May 2.
Flory, Paul J.: *See*—
Rehner, John, Jr., and Flory.
Flory, Paul J., Kent, assignor to Wingfoot Corporation, Akron, Ohio. Polythioesters and preparation thereof. 2,510,567, June 6.
Flory, Paul J., Kent, assignor to Wingfoot Corporation, Akron, Ohio. Multichain polyamide resins. 2,524,045, Oct. 3.
Flory, Paul J., Kent, assignor to Wingfoot Corporation, Akron, Ohio. Multichain polyamide polymers. 2,524,046, Oct. 3.
Flory, Paul J., Kent, and N. Rabjohn, assignors to Wingfoot Corporation, Akron, Ohio. Hydrazo esters. 2,533,189, Dec. 5.
Flosdorf, Earl W., Forest Grove, Pa., assignor to Lyophile-Cryochem Corporation, Baltimore, Md. Dehydrating peas. 2,493,062, Jan. 3.
Flosdorf, Earl W., Forest Grove, Pa., assignor to F. J. Stokes Machine Company. High-vacuum diffusion pump. 2,505,953, May 2.
Flosdorf, Earl W., Forest Grove, Pa., assignor, by mesne assignments, to Tabor-Olney Corporation. Desiccating fruit juices. 2,509,681, May 30.
Flosdorf, Earl W., Upper Darby, Pa., assignor to F. J. Stokes Machine Company. Vacuum gauge. 2,535,492, Dec. 26.
Flosdorf, Earl W., Forest Grove, and F. J. Stokes, Jr., Philadelphia, Pa., assignors to Tabor Olney Corporation, Baltimore, Md. Desiccation. 2,508,107, May 16.
Flour City Ornamental Iron Co., The, assignee: *See*—
Swenson, Erich S., and Schwanz.
Flournoy, Algernon F., Shreveport, La., assignor, by decree of distribution, to M. T. Flournoy. Soldering iron. 2,534,257, Dec. 19.
Flournoy, Margaret T., assignee: *See*—
Flournoy, Algernon F.
Flowers, Dave, Laurel, Miss. Tow bar. 2,512,635, June 27.
Flowers, Henry F., Findlay, Ohio. Mine passenger car. 2,501,503, Mar. 21.
Flowers, Leola W.: *See*—
Flowers, Ralph G. and L. W.
Flowers, Luther W., and H. J. Green, Wichita, Kans. Hub cap locking device. 2,535,126, Dec. 26.
Flowers, Ralph G.: *See*—
Miller, Harry F., and Flowers.
Flowers, Ralph G., Pittsfield, Mass., assignor to General Electric Company. 3-vinylpyrene and preparing the same. 2,496,867, Feb. 7.
Flowers, Ralph G., Pittsfield, Mass., assignor to General Electric Company. Polymers of 3-vinylpyrene. 2,496,868, Feb. 7.
Flowers, Ralph G. and L. W., Pittsfield, Mass., assignors to General Electric Company. 2-vinyldibenzothiophene and preparing the same. 2,499,186, Feb. 28.
Flowers, Ralph G. and L. W., Pittsfield, Mass., assignors to General Electric Company. Polymers of 2-vinyldibenzothiophene. 2,499,187, Feb. 28.
Flowers, Robert: *See*—
Thompson, John I., and Flowers.
Flowers, Thomas H., London, England. Electronic valve apparatus suitable for use in counting electrical impulses. 2,503,662, Apr. 11.
Flowers, Thomas H., London, England. Communication system and signal receiver therefor. 2,515,553, July 18.
Flowmeter Corporation of America, assignee: *See*—
Knauth, Berthod A.
Floyd, Clyde M., Wooster, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Removing sulfur and its compounds from nonaromatic hydrocarbon fractions. 2,514,997, July 11.
Floyd, Don E., Minneapolis, Minn., assignor to General Mills, Inc. Dicrotonic esters. 2,508,910, May 23.
Floyd, Don E., Minneapolis, Minn., assignor to General Mills, Inc. Polyfunctional esters. 2,516,306, July 25.
Floyd, Don E., Minneapolis, Minn., assignor to General Mills, Inc. Vinyl resins plasticized with cyano esters. 2,516,307, July 25.
Floyd, Don E., Minneapolis, Minn., assignor to General Mills, Inc. Ester condensation. 2,523,692, Sept. 26.
Floyd, Don E., Robbinsdale, Minn., assignor to General Mills, Inc. Plasticized resin compositions. 2,532,018, Nov. 28.
Floyd, Frederick K., assignor to Metron Instrument Company, Denver, Colo. Electrical tachometer. 2,502,712, Apr. 4.
Floyd, Henry G., assignor to McWane Cast Iron Pipe Company, Birmingham, Ala. Apparatus for determining eccentricity in tubular sections. 2,497,595, Feb. 14.
Floyd, Jesse R., Jr., Houston, Tex. Vernier attachment. 2,502,039, Mar. 28.
Floyd, Norman F., assignor to The Lankenau Hospital, Philadelphia, Pa. Continuous delivery chemical wash bottle. 2,533,726, Dec. 12.
Floyd, Ray H., Los Angeles, Calif. Fuel supply regulating and modifying apparatus. 2,503,943, Apr. 11.
Floyd, Thomas N.: *See*—
Plesset, Milton S., and Floyd.
Flubacker, Charles H., assignor to Cook Electric Company, Chicago, Ill. Liquid level control. 2,514,632, July 11.
Fluchaire, Maurice L. A., and G. L. A. Bost, Lyon, assignors to Societe des Usines Chimiques Rhone-Poulenc, Paris, France. Preparation of 2(p-aminobenzenesulfonamido)-pyrimidine. 2,497,163, Feb. 14.
Flucker, John W.: *See*—
Arenwald, Mark E., Melvin, and Flucker.
Fluette, Joseph B. A., Woonsocket, R. I. Perpetual calendar. 2,523,206, Sept. 19.

Flügel, Walter, H. M. Hemmi, K. Hofer, and A. Mikula, assignors to Sandoz Limited, Basel, Switzerland. Nylon immunized against dyes by sulfurized phenols. 2,533,100, Dec. 5.
Flugstad, Jorgen: *See*—
Smith, Frederic A., and Flugstad.
Fluharty, Omar L., Indianapolis, Ind. Rack structure 2,512,203, June 20.
Fluid Control Engineering Co., assignee: *See*—
Annin, Douglas H.
Bryant, Austin U.
Bryant, Austin U., and Annin.
Grove, Martin H.
Fluke, Rothwell R., assignor to The Buckeye Plastic Corporation, Cleveland, Ohio. Level with magnetic securing means. 2,535,791, Dec. 26.
Flumerfelt, William A., assignor to The Columbus Auto Parts Company, Columbus, Ohio. Steering arm joint assembly unit. 2,495,959, Jan. 31.
Flumerfelt, William A., assignor to The Columbus Auto Parts Company, Columbus, Ohio. Joint construction. 2,496,869, Feb. 7.
Flumerfelt, William A., assignor to The Columbus Auto Parts Company, Columbus, Ohio. Ball and socket assembly. 2,516,688, July 25.
Flumerfelt, William A., assignor to The Columbus Auto Parts Company, Columbus, Ohio. Combined swivel and internal expander. 2,528,221, Oct. 31.
Fluor Corporation, Ltd., The, assignee: *See*—
Aldridge, Blair G.
Baird, Raymond C.
Blohm, Clyde L., and Young.
Chapin, William F.
De Flon, James G.
Dieter, George H.
Fluro, John R., Stephens, Bartels, and Newman.
Stephens, Foster M.
Yates, Cecil F., and Nolte.
Fluor, John R., F. M. Stephens, A. Bartels, and C. Newman, assignors to The Fluor Corporation, Ltd., Los Angeles, Calif. Muffler with internal side branch chamber. 2,501,767, Mar. 28.
Flurscheim, Cedric H., Bowdon, England, assignor, by mesne assignments, to General Electric Company. Retractable undercarriage for aircraft. 2,534,962, Dec. 19.
Fly, Charles M., Odessa, Tex. Puzzle. 2,509,340, May 30.
Flygare, Carl G.: *See*—
Silven, Herbert A., and Flygare.
Flygare, Carl G., and C. C. Alvord, Worcester, and W. L. Drown, Paxton, assignors to Norton Company, Worcester, Mass. Grinding machine. 2,527,804, Oct. 31.
Flynn, Francis K., New York, assignor to Silent Hoist & Crane Co., Inc., Brooklyn, N. Y. Load handling apparatus for industrial trucks. 2,494,651, Jan. 17.
Flynn, John B., Detroit, Mich. Can opener. 2,535,354, Dec. 26.
Flynn, John H., New Rochelle, N. Y. Ribbon-type gas burner. 2,499,482, Mar. 7.
Flynn, John J.: *See*—
Clinton, Edward J., Jr., and Flynn.
Flynn, Joseph E., Stamford, and J. J. Harper, Jr., Noroton Heights, Conn. Paste dispenser for collapsible tubes. 2,502,081, Mar. 28.
Flynt, Frank V., Los Angeles, Calif., assignor to General Electric Company. Semicircular type support and drive for receiver parabola stabilization. 2,512,636, June 27.
Flynt, Hubert E., Greenway, Ark. Peanut digger. 2,528,689, Nov. 7.
Focht, Harry P., Kenmore, N. Y., assignor to Curtiss-Wright Corporation. Folding wing aileron control unit. 2,534,764, Dec. 19.
Foden, William, and Edwin Twemlow, assignors to Fodens Limited, Sandbach, England. Cooling arrangement of compression ignition internal-combustion engines. 2,493,532, Jan. 3.
Fodens Limited, assignee: *See*—
Fodens, William, and Twemlow.
Fodor, Antal, New York, N. Y.; J. B. Fodor, administratrix of said A. Fodor deceased, assignor to American Thermo-Tech Corporation, New York, N. Y. Space heater. 2,501,812, Mar. 28.
Fodor, Jeanne B., administratrix: *See*—
Fodor, Antal.
Foell, Adolph L.: *See*—
Merrill, Cox, and Foell.
Foerste, William, Pelham Manor; A. Kane, administratrix of said W. Foerste, deceased, assignor of one-half to E. A. Quarrie, Scarsdale, N. Y. High reactance transformer. 2,502,082, Mar. 28.
Foerste, William, Pelham Manor; A. Kane, administratrix of said W. Foerste, deceased, assignor of one-half to E. A. Quarrie, Scarsdale, N. Y. High reactance transformer. 2,502,083, Mar. 28.
Foerste, William, Pelham Manor; A. Kane, administratrix of said W. Foerste, deceased, assignor of one-half to E. A. Quarrie, Scarsdale, N. Y. Power-factor corrected transformer. 2,502,084, Mar. 28.
Foerster, Marie L., North Hollywood, Calif. Citrus fruit sector. 2,503,475, Apr. 11.
Foerster, Remous, Crossville, Ill. Window. 2,505,888, May 2.
Foerstner, George C., assignor to Amana Society, Amana, Iowa. Multiple compartment refrigerator. 2,493,958, Jan. 10.
Fog, Ivar K., King, Ontario, Canada, assignor to Wagner Electric Corporation, St. Louis, Mo. Electromagnetic core construction. 2,506,637, May 9.
Fog Nozzle Company, assignee: *See*—
Burnam, Thompson W.
Lee, Floyd J.
Prout, Elmer W.
Fogal, Gordon L., Washington, D. C. Ribbon parachute. 2,500,170, Mar. 14.
Fogal, Gordon L., Washington, D. C. Parachute. 2,501,670, Mar. 28.
Fogel, Aaron, Jackson Heights, N. Y. Screw holding screw driver. 2,516,457, July 25.
Fogelholm, Karl-Gustaf B., administrator: *See*—
Sevón, Johan W., and Sundman.
Foggett, Charles M.: *See*—
Lang, Philip H., Lehmberg, and Foggett.
Fogle, Marlin E., West Orange, N. J. Internal permanent magnet electrical instrument mechanism. 2,518,609, Aug. 15.
Fogle, Merald C.: *See*—
Offutt, William C., Fogle, and Helwig.
Fogwell, Charles S., Phoenix, Ariz. Trailer. 2,513,855, July 4.
Fohlen, George M.: *See*—
Clinton, Raymond O., Huber and Fohlen.
Clinton, Raymond O., Huber, Fohlen, and Laskowski.
Lawson, Elmer J., Fohlen, and Addelston.
Fok, Yu-Lun, San Francisco, Calif. Attachment for ink bottles. 2,516,511, July 25.
Folda, Bert, Jr., Los Angeles, Calif., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Inhibiting evolution of hydrogen sulfide from sulfurized oil lubricants. 2,510,031, May 30.
Foley, Charles F.: *See*—
Osborn, Ralph C., and Foley.
Foley, Daniel M.: *See*—
Speer, William H., and Foley.
Foley, Francis D., Manchester, Mass. Antiskid mechanism for automobiles. 2,507,774, May 16.
Foley, Frederic E. B., St. Paul, Minn. Artificial sphincter. 2,533,924, Dec. 12.
Foley, Harold F., and S. G. Johnson, Fort Wayne, Ind., assignors to International Harvester Company. Clutch control mechanism. 2,527,805, Oct. 31.
Foley, Jerald E., assignor to Packard Motor Car Company, Detroit, Mich. Transmission control means. 2,495,515, Jan. 24.
Foley, Nelson D., Silver Spring, Md., assignor to the United States of America as represented by the Secretary of the Navy. Cavity liner. 2,513,158, June 27.
Foley, Patrick J., Jersey City, N. J. Beer cooling equipment. 2,509,562, May 30.
Foley, William T., Terrace Park, Ohio. Precision oil heater. 2,495,924, Jan. 31.
Fol-Gaf Limited, assignee: *See*—
Darling, Louis H.
Folger, J. A., & Co., assignee: *See*—
O'Dwyer, Robert E.
Folk, George W., Kalamazoo, Mich. Hot-air heater and boiler therefor. 2,526,464, Oct. 17.
Folk, Irvin W., Belleville, assignor to Atlas Supply Company, Newark, N. J. Electrical apparatus for servicing automobiles. 2,535,279, Dec. 26.
Folkers, Karl: *See*—
Brink, Norman G., and Folkers.
Harris, Stanton A., Arth, Hoffman, and Folkers.
Harris, Stanton A., and Folkers.
Heyl, Dorothea, Harris and Folkers.
Mozingo, Ralph, Folkers and Easton.
Mozingo, Ralph, McPherson, and Folkers.
Sheehan, John C., Mozingo, Folkers, and Tishler.
Wolf, Donald E., and Folkers.
Folkerth, Harold E., Sr., Dayton, Ohio. Multiple close centered gear head. 2,506,202, May 2.
Follett, Maurice E., assignee: *See*—
Gilbert, George L.
Folse, Julius A.: *See*—
Skinner, Leslie A., and Folse.
Folsom, Ralph, Youngstown, Ohio. Button sewing implement. 2,513,633, July 4.
Folsom, Rolfe A., San Jose, Calif. Gate valve. 2,499,738, Mar. 7.
Folsome, Clair E., Plainfield, N. J., and H. O. Singher, Red Hook, N. Y., assignors to Ortho Pharmaceutical Corporation. Therapeutic fungicidal composition containing gentian violet. 2,511,838, June 20.
Foltis, Anestis, Jackson Heights, N. Y. Wall picture hanger. 2,495,712, Jan. 31.
Foltis, Anestis, Jackson Heights, N. Y. Toilet paper roller attachment. 2,522,109, Sept. 12.
Foltis, Anestis, Jackson Heights, assignor of one-quarter to Allan Panzer, New York, N. Y. Foldable safety razor with nonreplaceable blade. 2,534,861, Dec. 19.
Fonda, Gorton R., Schenectady, N. Y., assignor to General Electric Company. Luminescent material. 2,504,674, Apr. 18.
Fondation dite: Groupement Francais pour le Developpement des Recherches Aeronautiques, assignee: *See* —
Mercier, Robert.

Fones, Frank H., Riverdale, assignor to Whiting Corporation, Harvey, Ill. Cupola charging apparatus. 2,501,768, Mar. 28.
Fong, Bennie T., Lodi, Calif. Fishline drying reel and holder therefor. 2,510,394, June 6.
Fonseca, Leo J., assignor to Isaac Goldmann Company, New York, N. Y. Inking attachment for printing presses. 2,499,638, Mar. 7.
Fontaine, Jack, Cleveland Heights, Ohio. Universal knitting means. 2,496,204, Jan. 31.
Fontaine, Jack, Cleveland Heights, Ohio. Knitting machinery. 2,504,316, Apr. 18.
Fontaine, John G., Vancouver, British Columbia, Canada. Wheel alignment gauge. 2,503,580, Apr. 11.
Fontaine, John G., Vancouver, British Columbia, Canada. Automobile frame straightening equipment. 2,512,228, June 20.
Fontana, Celeste M., Pitman, N. J., A. G. Oblad, Dallas, Tex., and G. A. Kidder, Harbel, Liberia, assignors, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Propylene polymerization process. 2,525,787, Oct. 17.
Fontana, Celeste M., Pitman, N. J., and G. A. Kidder, Harbel, Liberia, assignors, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Mineral oil lubricants containing polymers of 1-olefins. 2,525,788, Oct. 17.
Fonyo, Aladar, La Grange, assignor to Wm. J. Stange Co., Chicago, Ill. Treatment of unrendered fat with nordihydroguaiaretic acid. 2,535,910, Dec. 26.
Food Machinery and Chemical Corporation, assignee: *See*—
Burg, Horace E.
Carrigan, Tracy.
Clark, Don A.
Coons, Burton C.
Criger, Glenn M.
De Back, William.
Devirian, Philip S., Jr.
Engnell, Knute O., and Meyer.
Gerwe, Raymond D., and Fiske.
Hait, James M.
Kalmar, Arthur F., Kilburn, and Pancoast.
Krueger, Frank W.
Luhdorff, Frederick H., and Thompson.
Martin, James M.
Pizzo, Joseph A.
Plueddemann, Edwin P.
Pulver, Roy G.
Pulver, Roy G., and Griffith.
Reynolds, George A., Jr.
Smith, Henry L.
Stilwell, Glenn E.
Stockdale, Harry C.
Thomas, Robert M.
Thompson, Albert R.
Wearn, Richard B.
Wearn, Richard B., and Bordenca.
Webb, Wells A.
Wilbur Paul C.
Wilson, Roland E.
Food Technology, Inc., assignee: *See*—
Armstrong, Jack W.
Glabe, Elmer F.
Fook, Lee, Washington, D. C. Cigarette holder and ash retainer. 2,518,131, Aug. 8.
Foord, Alfred J., Aylesbury, England. Collapsible box. 2,520,277, Aug. 29.
Foos, Edwin K., Yellow Springs, Ohio. Hydraulic transmission. 2,499,059, Feb. 28.
Foote, Allen M., Fort Lauderdale, Fla. Electric heater. 2,511,910, June 20.
Foote Bros. Gear and Machine Corporation, assignee: *See*—
Anderson, Rexford O.
Foote Company, Inc., The, assignee: *See*—
Farrell, John D.
Foote, Daniel J.: *See*—
Soref, Harry E., and Foote.
Foote, Herbert E.: *See*—
Johnston, William R., and Foote.
Foote, Paul R., Cincinnati, Ohio. Preserved bananas. 2,507,564, May 16.
Foran, John E., Bement, Ill. Wire reeling attachment for tractors. 2,494,383, Jan. 10.
Forbes, Charles F., Los Angeles, Calif. Caster brake. 2,494,696, Jan. 17.
Forbes, Charles O., Bremerton, Wash. Curve-cutting band-saw attachment. 2,535,673, Dec. 26.
Forbes, Gordon D., Sudbury, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Pulse shortening circuit. 2,508,569, May 23.
Forbes, Gordon D., Sudbury, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Moving target indicating system. 2,532,546, Dec. 5.
Forbes, John S., Mount Lebanon Township, Allegheny County, assignor to Superior Valve and Fittings Company, Pittsburgh, Pa. Valve handle. 2,499,739, Mar. 7.
Forbes, Samuel, assignor of one-half to J. L. Owens, Philadelphia, Pa. Controlling means for heating devices. 2,498,884, Feb. 28.
Forbess, Walter A., Indianapolis, Ind., assignor, by mesne assignments, to The Marquette Metal Products Company, Cleveland, Ohio. Engine starter unit. 2,511,908, June 20.
Forca, James, assignor of forty per cent to L. Schain, Brooklyn, N. Y. Button feeding mechanism. 2,505,468, Apr. 25.
Forcillo, Frank, Jersey City, N. J. Attachment for fretted, stringed musical instruments. 2,510,775, June 6.
Forcum, Walter E., assignor of one-half to W. E. Forcum, St. Louis, as trustee for R. W. Miller, Brentwood, Mo. Can-piercing device. 2,525,884, Oct. 17.
Ford, Asa J., Kansas City, Kans., assignor of one-half to J. T. Sexton, Kansas City, Mo. Collapsible shipping crate. 2,512,145, June 20.
Ford, Bacon & Davis, Inc., assignee: *See*—
Johnson, Ogden.
Ford, Benjamin A.: *See*—
Outterson, Charles R., and Ford.
Ford, Charles A., Clifton, N. J. Game disk projector. 2,520,460, Aug. 29.
Ford, Ernest L.: *See*—
Hughes, Benjamin D., and Ford.
Ford, Eugene A., deceased, Endicott, N. Y., by Endicott Trust Co., executor; Endicott, assignor to International Business Machines Corporation, New York, N. Y. Tube failure detection circuit. 2,529,928, Nov. 14.
Ford, Florence M., and W. P. Hall, assignors to Joseph Bancroft & Sons Co., Wilmington, Del. Imparting durable mildew resistance to fibrous cellulose materials. 2,524,783, Oct. 10.
Ford, Foster M., Morris, Ill. Mower. 2,504,259, Apr. 18.
Ford, Frank P., Ellenville, N. Y. Combination lamp and display stand. 2,521,355, Sept. 5.
Ford, Frank R., Birmingham, England. Liquid feeding means. 2,527,181, Oct. 24.
Ford, Frank R., Birmingham, England. Moisture control device for duplicating machines. 2,530,426, Nov. 21.
Ford, Frank R., Sparkbrook, Birmingham, England. Moistening device for duplicating machines. 2,505,035, Apr. 25.
Ford, Frederick A., Jr., Los Angeles, Calif., assignor to North American Aviation, Inc. Engine mount. 2,523,504, Sept. 26.
Ford, George E., Bromley, Kent, assignor to Powers-Samas Accounting Machines Limited, London, England. Partial product multiplying machine. 2,515,995, July 18.
Ford, George E., Brighton, assignor to Qualitrol Corporation, East Rochester, N. Y. Magnetic drive construction. 2,514,323, July 4.
Ford, Harold F., Cirencester, England. Supporting frame for postage meters. 2,493,188, Jan. 3.
Ford, Henry, and R. A. Boyer, assignors to Ford Motor Company, Dearborn, Mich. Molding cellular articles. 2,519,036, Aug. 15.
Ford, Howard: *See*—
Cunningham, Leslie B. C., Ford, Barnes, Sykes, Hancock, and Robinson.
Ford, John E., Jr., Garden City, N. Y., assignor to Houdry Process Corporation, Wilmington, Del. Catalytic desulfurization and cracking of sulfur-containing petroleum. 2,528,586, Nov. 7.
Ford, John E., Jr., Garden City, N. Y., assignor to Houdry Process Corporation, Wilmington, Del. Desulfurizing Diesel fuel and similar hydrocarbon fractions. 2,528,587, Nov. 7
Ford, Ledger D., and F. L. Stutz, assignors to Kirsch Company, Sturgis, Mich. Curtain rod. 2,494,697, Jan. 17.
Ford Motor Company, assignee: *See*—
Adams, George E.
Beems, Floyd E., Bugbee, and Stephenson.
Chubbuck, Horace A.
Clayton, Paul M.
Ensign, Elbert E.
Farkas, Eugene J.
Farkas, Eugene J., and Rackle.
Farmer, Roy E.
Ford, Henry, and Boyer.
Hicks, Harold A.
Jones, Donald L., Stark, and Underwood.
Jovanovich, Milton, and Wharam.
Kramer, Clarence F.
Pinardi, Charles P.
Pinardi, Charles P., and Poole.
Rainey, Challenor W.
Renshaw, Edward S., and Sargood.
Roberts, Albert O.
Scott, Edwin D., and Stephenson.
Stephenson, Thomas W.
Stephenson, Thomas W., and Beems.
Stephenson, Thomas W., and Bugbee.
Underwood, Harold B.
Wharam, John J., and Felts.
Wright, Samuel J.
Zoerlein, Emil.
Ford Motor Company of Canada, Limited, assignee: *See*—
Blackwood, Peter F.

Ford, Paul B., Chicago, Ill. Lighting device. 2,524,657, Oct. 3.
Ford, Reginald C., Allesley, near Coventry, England. Pump. 2,519,642, Aug. 22.
Ford, Roberta S., Calvert, Tex. Girdle. 2,506,826, May 9.
Ford Roofing Products Company, assignee: *See*— O'Reilly, Martin G.
Ford, Samuel, and R. B. Warner, Los Angeles, Calif., assignors to Ford-Warner Manufacturing Company. Stenographic copyholder. 2,523,755, Sept. 26.
Ford, Stoddard I., assignor, by mesne assignments, to Brogdex Company, Pomona, Calif. Protective coating compositions. 2,507,665, May 16.
Ford, Thomas L., Tyler, Tex. Telescopic sight. 2,496,045, Jan. 31.
Ford, Walter D., Port Allegany, assignor to Pittsburgh Corning Corporation, Allegheny County, Pa. Preparation of cellulated glass bodies. 2,514,324, July 4.
Ford-Warner Manufacturing Company, assignee: *See*— Ford, Samuel, and Warner.
Ford, Wayne W., assignor to American Seating Company, Grand Rapids, Mich. Chair back structure. 2,495,654, Jan. 24.
Fordham, Stanley: *See*— Reynolds, Reginald J. W., and Fordham.
Fordon, Lee A., Detroit, Mich. Drag and carting box. 2,500,534, Mar. 14.
Fordyce, Charles R., and B. E. Gramkee, assignors to Eastman Kodak Company, Rochester, N. Y. Cellulose acetate solution. 2,492,977, Jan. 3.
Fordyce, Charles R., and B. E. Gramkee, assignors to Eastman Kodak Company, Rochester, N. Y. Cellulose acetate solution. 2,492,978, Jan. 3.
Fordyce, Rufus G., Glencoe, assignor to Luminous Processes, Inc., Chicago, Ill. Stenciling machine for applying luminous paint. 2,529,250, Nov. 7.
Foreit, Charles L., Detroit, Mich. Lawn mower load carrier attachment. 2,502,138, Mar. 28.
Foreman, Allen L., Three Rivers, Mich. Ratchet type socket wrench. 2,505,889, May 2.
Foreman, Emanuel L., and G. J. Stork, assignors to The Lakeside Laboratories Inc., Milwaukee, Wis. Catalytic hydrogenation of beta-naphthol to produce beta-tetralone. 2,526,859, Oct. 24.
Foreman, George L., Los Angeles, Calif. Gas separator. 2,509,817, May 30.
Foreman, William B., Elizabeth City, N. C. Lathe loading and log centering machine. 2,523,563, Sept. 26.
Foresman, Robert A., Jr., Media, Pa. Roll film adapter for cameras. 2,513,017, June 27.
Forest, William J., Eugene, Oreg. Utensil kit. 2,516,458, July 25.
Forester, Sarah J. and W. H., Winnepeg, Manitoba, Canada. Window holder. 2,507,967, May 16.
Forester, William H.: *See*— Forester, Sarah J. and W. H.
Forges et Ateliers de Constructions Electriques de Jeumont, assignee: *See*— Guillaume, Andre, and Thibaudat. Heidmann, Léon.
Forgett, Valmore J., Ridgefield, N. J. Holder for reels of developed photographic paper. 2,514,853, July 11.
Forgie, Andrew R., Sparta, assignor to Doremus-Passaic Realty Corporation, Newark, N. J. Acrylic resin and vinyl copolymer compositions. 2,520,919, Sept. 5.
Forgy, Robert H., Centralia, Kans. Device for protecting the occupants and contents of vehicles. 2,517,860, Aug. 8.
Foriest, John H., Pendleton, N. C. Peanut stacker. 2,514,854, July 11.
Foris, Julius Z.: *See*— Beck, George H., and Foris.
Forker, Gordon M., Cleveland Heights, Ohio, assignor to General Electric Company. Solder flux. 2,522,937, Sept. 19.
Forker, Major T.: *See*— Bauer, Ernest K., and Forker.
Forker, Major T., Jr., New York, N. Y., assignor to Franklin Railway Supply Company. Combination sleeve and ball joint. 2,521,001, Sept. 5.
Forkey, Willard G., Augusta, Ga. Traveling roller and radial bearing. 2,526,341, Oct. 17.
Forlenza, James J., New York, N. Y. Combined lipstick and flashlight. 2,504,820, Apr. 18.
Forman, Arthur W., and W. R. Thirdborough, Leicester, England, assignors to United Shoe Machinery Corporation, Flemington, N. J. Mandrel for blind riveting. 2,533,448, Dec. 12.
Forman, Benjamin G., Brooklyn, assignor to Wilbe Research Corporation, New York, N. Y. Steaming and pressing machine. 2,493,864, Jan. 10.
Forman, Jan, Cambridge, England. Electromechanical high-speed operating gear. 2,520,537, Aug. 29.
Forman, Louis B., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Transmission control system. 2,513,791, July 4.
Forman, Max, Atlantic City, N. J. Culinary utensil. 2,511,909, June 20.
Formhals, William H.: *See*— King, George E., and Formhals. Ludwig, Leon R., and Formhals.
Formichella, Thomas, West Haven, Conn. Man's shorts. 2,494,169, Jan. 10.
Forms Incorporated, assignee: *See*— Bordner, James P.
Fornicoia, Beatrice, Rochester, N. Y. Spectacles with ornamental chain for holding them in place. 2,494,750, Jan. 17.
Forrest, Donald L., assignor of five per cent to Fort Worth Structural Steel Company, Fort Worth, Tex. Adjustable cutting torch holder. 2,494,698, Jan. 17.
Forrest, Gerard E.: *See*— Fetherolf, James M., Forrest and See.
Forrest, Ruth, Houston, Tex. Bottle holder. 2,496,527, Feb. 7.
Forrest, Thomas W. W., assignor to Fewel Bros. Packing Co., Fresno, Calif. Seeding and cap stemming raisins. 2,498,949, Feb. 28.
Forrest, William C., Merchantville, N. J. Cartridge for smoke simulating powder. 2,506,203, May 2.
Forrester, Herman G., Knoxville, Tenn. Air cooling by evaporization of water. 2,521,841, Sept. 12.
Forrester, Jay W., Anselmo, Nebr., and R. R. Everett, Cambridge, Mass., assignors, by mesne assignments, to the United States of America. Variable speed induction motor system. 2,516,308, July 25.
Forrester, William F., Glasgow, R. M. Hinde, Huyton, near Liverpool, and B. Szigeti, Clifton, Bristol, assignors to British Insulated Callender's Cables Limited, London, England. Manufacture of dielectric materials. 2,494,699, Jan. 17.
Forrey, Raleigh E., assignor to The Waterman-Waterbury Company, Minneapolis, Minn. Artificial respirator. 2,506,865, May 9.
Forsberg, Axel G., Chicago, Ill. Switch resetting mechanism. 2,510,690, June 6.
Forsberg, Göte A., Enkoping, Sweden. Heating apparatus for hot-air or steam baths. 2,512,892, June 27.
Forsberg, Hjalmer E., assignor to Crescent Manufacturing Company, Rockford, Ill. Envelope moistener and sealer. 2,525,291, Oct. 10.
Forse Corporation, assignee: *See*— Forse, Harry D., and Campbell.
Forse, Harry D., Anderson, Ind. Pressing buck. 2,504,014, Apr. 11.
Forse, Harry D., Anderson, Ind. Garment finishing press. 2,505,107, Apr. 25.
Forse, Harry D., Anderson, Ind. Drying and tumbling apparatus. 2,509,765, May 30.
Forse, Harry D., and R. E. Campbell, said Campbell assignor to Forse Corporation, Anderson, Ind. Garment press. 2,516,054, July 18.
Forseth, George O., Minneapolis, Minn. Resilient coasting sled. 2,499,639, Mar. 7.
Forshey, Elmore A., Southbridge, Mass., and R. A. Copeland, Rochester, N. Y., assignors to American Optical Company, Southbridge, Mass. Unit stand for ophthalmic instruments. 2,510,624, June 6.
Forslund, Bror W., Savedalen, and A. H. R. C. Hoppe, Goteborg, Sweden, assignors to SKF Industries, Inc., Philadelphia, Pa. Plug gauge. 2,494,168, Jan. 10.
Forslund, Johan E., assignor to Fabriks A. B. Forslund & Co., Skelleftea, Sweden. Hydraulic crane for motor vehicles. 2,528,588, Nov. 7.
Forss, Fritz V.: *See*— Brown, Ellis M., and Forss.
Forss, Fritz V., assignor to John Oster Manufacturing Company, Racine, Wis. Mixing device. 2,530,455, Nov. 21.
Forssell, Eric G., Kenmore, N. Y., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorber for railway car trucks. 2,525,885, Oct. 17.
Forssell, Eric G., Kenmore, N. Y. Film holder. 2,527,626, Oct. 31.
Forssell, Harry: *See*— Lamm, Uno, Forssell, and Hansen.
Forssell, Harry, Ludvika, assignor to Allmänna Svenska Elektriska Aktiebolaget, Västeras, Sweden. Magnetic amplifier for reversible currents. 2,504,675, Apr. 18.
Forssell, Harry, Ludvika, assignor to Allmänna Svenska Elektriska Aktiebolaget, Västerås, Sweden. Producing a constant current. 2,530,011, Nov. 14.
Forssmark, Boo H., assignor to Federal Machine and Welder Company, Warren, Ohio. Weld wheel construction. 2,510,744, June 6.
Forst, Albert J., assignee: *See*— Kowalsky, George W.
Forster, Aquila: *See*— Willson, Francis G., Forster, and Roberts.
Forster, Bernard, Manchester, England. Multiple use household tool. 2,528,128, Oct. 31.
Forster, Earl N., Lower Lake, Calif. Wheel balancer. 2,522,260, Sept. 12.
Forster, John O., Long Island City, N. Y., assignor to Heli Coil Corporation. Tool for inserting and extracting wire coil inserts in and from tapped holes. 2,513,792, July 4.
Forster, William H., assignor to Philco Corporation, Philadelphia, Pa. Asymmetrical discriminator. 2,494,751, Jan. 17.
Forster, William H., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Pulse detector system. 2,522,110, Sept. 12.
Forster, William L., Rochester, Pa. Alloy steels. 2,499,306, Feb. 28.
Forsyth, Archibald G., Cheam, assignor to The Fairey Aviation Company Limited, Hayes, Middlesex, England. Cooling means for aircraft engines. 2,497,444, Feb. 14.

Forsyth, Archibald G., Cheam, assignor to The Fairey Aviation Company Limited, Hayes, Middlesex, England. Interlocking throttle and propeller pitch changing control for aircraft. 2,500,811, Mar. 14.
Forsyth, Archibald G., Cheam, England. Variable pitch propeller. 2,502,002, Mar. 28.
Forsyth, Joseph H., Santa Ynez, Calif. Animal trap. 2,504,015, Apr. 11.
Forsythe, John W., deceased, Wilkinsburg, by M. A. Forsythe, executrix, Wilkinsburg, and E. J. Smotzer, Pittsburgh, Pa., assignors to Carnegie-Illinois Steel Corporation. Apparatus for thawing materials. 2,507,775, May 16.
Forsythe, Mary A., executrix: *See*—
Forsythe, John W., and Smotzer.
Forsythe, Paul E., assignor to Webster-Brinkley Co., Seattle, Wash. Transmitter unit for hydraulic telemotor systems. 2,505,392, Apr. 25.
Fortess, Fred, Summit, N. J., and M. Duke, Cumberland, Md., assignors to Celanese Corporation of America. Sizing compositions. 2,532,400, Dec. 5.
Fort Howard Paper Company, assignee: *See*—
Agamaite, Edward, Jr.
Fortier, André, Grenoble, France, assignor to Estavex S. A., Geneva, Switzerland. Pneumatic measuring apparatus. 2,523,564, Sept. 26.
Fortier, Herman M., near Chico, Butte County, Calif. Nut and fruit pickup device. 2,514,945, July 11.
Fortin, Charles A., assignor to Presto Lighters Limited, Montreal, Quebec, Canada. Demountable head assembly for pocket lighters. 2,493,450, Jan. 3.
Fortin, Charles A., assignor to Presto Lighters Limited, Montreal, Quebec, Canada. Pocket lighter head assembly. 2,517,192, Aug. 1.
Fortin, Charles A., assignor to Presto Lighters Limited, Montreal, Quebec, Canada. Pocket lighter. 2,530,328, Nov. 14.
Fortner, Robert L.: *See*—
Kay, Eugene W., and Fortner.
Fort Worth Structural Steel Company, assignee: *See*—
Forrest, Donald L.
Forwald, Haakon, Valhalla, Ludvika, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Arrangement in compressed air circuit breakers. 2,531,617, Nov. 28.
Fosberg, Henry C., assignor to Watson Manufacturing Company, Inc., Jamestown, N. Y. Filing equipment. 2,510,807, June 6.
Fosdick Machine Tool Company, The, assignee: *See*—
Linden, Carl E., and Wetzel.
Fosnot, Louis P., Aurora, assignor to Independent Pneumatic Tool Company, Chicago, Ill. Rotary impact tool. 2,520,920, Sept. 5.
Foss, Frank A., assignor of one-half to H. T. Jeandron, Keyport, N. J. Burglar alarm. 2,493,576, Jan. 3.
Foss, Hans L., Barron, Wis. Barn door latch. 2,529,009, Nov. 7.
Foster, Boutwell H., Maplewood, N. J., assignor to United States Rubber Company, New York, N. Y. Textile fabric. 2,521,055, Sept. 5.
Foster, Boutwell H., Maplewood, and H. T. Battin, Ridgewood, N. J., assignors to United States Rubber Company, New York, N. Y. Apparatus for imparting false twist to strands. 2,515,299, July 18.
Foster, Claud: *See*—
French, James W., and Foster.
Foster, David B., assignee: *See*—
Bennett, John G., Greaves, and Phillpotts, and Pirani, Kramers, and Foster.
Foster, Edson P., Manitowoc, Wis. Felting needle. 2,495,926, Jan. 31.
Foster, Edward J.: *See*—
Foster, Thomas R. and E. J.
Foster, Edward R., Tallahassee, Fla. Toy wheel mount construction. 2,505,855, May 2.
Foster, Edwin E., Austin, Tex. Window holding device. 2,495,713, Jan. 31.
Foster, Edwin E., Austin, Tex. Pressure selector for wringers. 2,519,363, Aug. 22.
Foster, Edwin E., Austin, Tex. Hood-lifter mechanism. 2,520,921, Sept. 5.
Foster, Edwin E., Austin, Tex. Thickness compensator for flat plate ironers. 2,521,708, Sept. 12.
Foster, Emery L., Raytown, Mo. Gun sight mount. 2,493,865, Jan. 10.
Foster and Foster, assignee: *See*—
Foster, Sigrid and W. D.
Foster, Frank, Clovis, N. Mex. Primer catcher. 2,521,842, Sept. 12.
Foster, Frank A., Melrose Park, assignor to The Goss Printing Press Company, Chicago, Ill. Stereotype plate casting machine. 2,520,201, Aug. 29.
Foster Grant Co., Inc., assignee: *See*—
Crane, James E.
Foster, Harry C., Alton, Ill. Film splicing apparatus. 2,508,243, May 16.
Foster, Harry R., East Orange, assignor to Ohmega Laboratories, Pine Brook, N. J. Wide-range sweeping oscillator. 2,498,076, Feb. 21.
Foster, Henry C., Mount Lebanon, Pa., and B. Johnson, Lefors, Tex., assignors to Columbian Carbon Company, New York, N. Y. Producing carbon black products. 2,495,925, Jan. 31.
Foster, James A.: *See*—
Lobley, Frederick A., and Foster.
Foster, James L.: *See*—
Seyb, Leslie P., Foster and Clayton.
Foster, James O.: *See*—
Foster, Lee R. and J. O.
Foster, John P., North Jackson, assignor, by mesne assignments, to The Miller Spreader Corporation, Youngstown, Ohio. Attachment means for hopper boxes. 2,500,064, Mar. 7.
Foster, John S., Jr., Montreal, Quebec, Canada, assignor to the United States of America as represented by the Secretary of War. Coaxial-type filter. 2,521,843, Sept. 12.
Foster, Lee R., Berwyn, and J. O. Foster, Chicago, Ill. Kit with slidably mounted tools. 2,519,559, Aug. 22.
Foster Machine Company, assignee: *See*—
Campbell, Lester.
Foster, Maurice, deceased, by R. T. Rehwald, administrator, Rockford, Ill., assignor to Twin Disc Clutch Company, Racine, Wis. Blade blocks in hydraulic couplings. 2,529,929, Nov. 14.
Foster, Maurice E., and E. C. Yokel, Rockford, Ill., assignors to Twin Disc Clutch Company, Racine, Wis. Axially engaging opposed clutch. 2,507,002, May 9.
Foster Metal Products Incorporated, assignee: *See*—
Boots, William C.
Foster, Nina L., Glendale, assignor to The Calpat Corporation, Los Angeles, Calif. Door-mounted electric space heater. 2,493,125, Jan. 3.
Foster, Raymond F., Geddes Township, Onondaga County, N. Y., assignor to General Electric Company. Combination television and frequency modulation receiver. 2,528,222, Oct. 31.
Foster, Reginald T., Birkenhead, England, assignor to Imperial Chemical Industries Limited. Manufacture of chlorocresols. 2,494,993, Jan. 17.
Foster, Reginald T., Birkenhead, and N. Bennett, Ditton, England, assignors to Imperial Chemical Industries Limited. Manufacture of chlorinated phenoxy compounds. 2,493,126, Jan. 3.
Foster, Robert E., New Castle, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of ring acylated aromatic compounds. 2,496,786, Feb. 7.
Foster, Robert E., New Castle, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Dicarboxylic acid anhydride-4-vinylcyclohexene diepoxide reaction products. 2,527,806, Oct. 31.
Foster, Robert E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Cyclooctadienes and their preparation. 2,504,016, Apr. 11.
Foster, Robert N.: *See*—
Durgin, Charles B., and Foster.
Foster, Sidney, Leamington Spa, England. Side load relieving device for telescopic piston and cylinder units. 2,495,516, Jan. 24.
Foster, Sigrid and W. D., Eustis, Fla., assignors to Foster and Foster, Ridgewood, N. J. Film gate and mounting thereof. 2,526,647, Oct. 24.
Foster, Theodore: *See*—
Bickel, Clifford A., Brandenburg, and Foster.
Foster, Thomas J., Ridgewood, N. J. Apparatus for mixing and pouring a quick-setting material. 2,498,363, Feb. 21.
Foster, Thomas R. and E. J., Baltimore, Md. Ball projecting machine. 2,526,018, Oct. 17.
Foster, Thomas W., assignor to Container Corporation of America, Chicago, Ill. Carrier for chimed cans. 2,523,985, Sept. 26.
Foster, Thomas W., assignor to Container Corporation of America, Chicago, Ill. Carrier for tapered top cans. 2,523,986, Sept. 26.
Foster, Wallin G., and R. C. Oppenlander, Denver, Colo. Portable wick type oil heater. 2,518,132, Aug. 8.
Foster, Warren D.: *See*—
Foster, Sigrid and W. D.
Foster Wheeler Corporation, assignee: *See*—
Dean, Dion K.
Hemenway, Henry H.
Parker, Alfred G.
Sampson, William, and Hayden.
Sherman, Tracy H.
Van Dongen, Leendert F. K.
White, Francis B., and Strawn.
Fostoria Pressed Steel Corporation, The, *See*—
Barber, Ira J
Fothergill, Samuel J. R.: *See*—
Raper, Alan R., and Fothergill.
Foufounis: *See*—
Paillais Jean M.
Foufounis, Jean T., alias J. M. Paillais, Paris, France. Device for measuring the degree of adhesion of vehicle wheels to their tracks. 2,496,405, Feb. 7.
Foufounis, Jean T., Paris, France. Self-view finder for photography. 2,504,949, Apr. 25.
Foulds, Neil M., assignor to Frantz Manufacturing Co., Sterling, Ill. Roller skate. 2,531,357, Nov. 21.
Foulds, Robinson P., assignor to Tootal Broadhurst Lee Company Limited, Manchester, England. Treatment of materials consisting wholly or partly of wool. 2,535,846, Dec. 26.
Foulk, Raymond W.: *See*—
Laughlin, Edwin R., and Foulk.

Foulke, Louise M. J., Brooklyn, N. Y. Iceboat or other runnered vehicle. 2,493,959, Jan. 10.
Foulke, Louise M. J., Brooklyn, N. Y. Tricycle. 2,529,930, Nov. 14.
Foulkes, Edward A.: *See*—
Terry, Victor J., and Foulkes.
Foulkes, John H., assignor to Finer Foods Packing Corp., Terre Haute, Ind. Canned liquid coffee and making same. 2,497,721, Feb. 14.
Fountain, Harold, and J. J. Murphy, Fall River, Mass., assignors to United Merchants & Manufacturers, Inc., Wilmington, Del. Flock distributing apparatus. 2,510,625, June 6.
Fourman, Lester M., Arcanum, Ohio. Manure loader. 2,493,397, Jan. 3.
Fournet, Sidney C., New Orleans, La. Trimming guide device for impression trays. 2,511,465, June 13.
Fournier, Peter, Trenton, Mich. Vaporizing-type liquid fuel burner. 2,533,783, Dec. 12.
Fourt, Lyman E.: *See*—
Harris, Milton, Fourt, Bullock, and Bloch.
Fous, Robert J., Cicero, Ill. Ornamental mounting. 2,514,231, July 4.
Fouse, Edwin L., Cleveland, Ohio. Window-cleaning apparatus. 2,517,474, Aug. 2.
Fouse, Frederick Z., assignor to Anchor Hocking Glass Corporation, Lancaster, Ohio. Container sealing method and apparatus therefor including rotary sealing head, rotary head spacer, and conveyer mechanism. 2,510,568, June 6.
Foushee, Robert M., assignor to National Slug Rejectors, Inc., St. Louis, Mo. Coin separator. 2,502,212, Mar. 28.
Foushee, Robert M., assignor to National Slug Rejectors, Inc., St. Louis, Mo. Paramagnetic coin separator. 2,528,690, Nov. 7.
Fouts, P. A., assignee: *See*—
Whitlock, Charles H.
Fowler, Clarence B., Washington, D. C. Variable resistance without contacts. 2,517,553, Aug. 8.
Fowler, Elbert, Mount Vernon, N. Y., assignor to Pitney-Bowes, Inc., Stamford, Conn. Value setting register actuating device. 2,498,754, Feb. 28.
Fowler, Everett E., New York, N. Y. Ice handling machine. 2,508,507, May 23.
Fowler, Francis R., Ballston Lake, N. Y., assignor to General Electric Company. Nutation damper for gyroscopes. 2,534,963, Dec. 19.
Fowler, Francis R., Schenectady, N. Y., assignor to General Electric Company. Gyroscope. 2,510,968, June 13.
Fowler, George W., Charleston, W. Va., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Preparation of propylenediamine. 2,519,560, Aug. 22.
Fowler, Henry Y., Sr., assignee: *See*—
Floro, Robert W.
Fowler, Hudson D., Jr.: *See*—
Rolf, David E., Fowler, Jr., and Gerspacher.
Fowler, James O., Sparkhill, Birmingham, England. Heat-treating milk and cream in containers. 2,493,663, Jan. 3.
Fowler, James O., Sparkhill, Birmingham, England. Heat-treating milk and cream. 2,493,664, Jan. 3.
Fowler, John, & Co., (Leeds) Limited, assignee: *See*—
Howard, Arthur C.
Fowler, John D., New York, N. Y. Spring suspension for automotive vehicles. 2,512,057, June 20.
Fowler, John T., Columbus, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company. Hammer mill with traveling breaker plate. 2,497,985, Feb. 21.
Fowler, John T., Columbus, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company. Reversible-rotor pulverizer with traveling breaker-plate means at each side of the rotor. 2,523,004, Sept. 19.
Fowler, Neil, Cleveland, Ohio. Curtain holder. 2,504,821, Apr. 18.
Fowler, Paul L., Portland, Oreg. Electric water heater. 2,498,950, Feb. 28.
Fowler, Roscoe, Los Angeles, Calif. Adjustable overhead door hinge. 2,516,196, July 25.
Fowler, Roscoe, Los Angeles, and E. F. Murphy, Inglewood, Calif.; said Murphy assignor to said Fowler. Overhead door. 2,523,207, Sept. 19.
Fowler, Roy E., Watkinsville, Ga. Collapsible bottle carrier. 2,508,062, May 16.
Fowler, William D., Bakersfield, Calif. Relief valve. 2,526,019, Oct. 17.
Fowler, William F., Jr.: *See*—
Griggs, William H., and Fowler, Jr.
Kenyon, William O., Unruh, and Fowler, Jr.
Fox, Alex P., and L. C. Rotter, St. Louis County, assignors to Lincoln Engineering Company, St. Louis, Mo. Wheel bearing packer. 2,515,208, July 18.
Fox, Alexander P., University City, assignor to Lincoln Engineering Company, St. Louis, Mo. Reel. 2,499,909, Mar. 7.
Fox, Arthur G., Eatontown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Hybrid branching circuits. 2,531,419, Nov. 28.
Fox, Arthur G., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Radio ranging system with selective automatic volume control and range following. 2,534,862, Dec. 19.
Fox, Arthur G., Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Impedance matching in wave guides. 2,503,549, Apr. 11.
Fox, Arthur G., Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave filter. 2,530,691, Nov. 21.
Fox, Arthur G., Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Variable phase shifter for circularly polarized microwaves. 2,530,818, Nov. 21.
Fox, Arthur L., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Antistatic textile materials. 2,498,408, Feb. 21.
Fox, Benjamin, Philadelphia, Pa. Quick detachable connector. 2,502,253, Mar. 28.
Fox, Benjamin, Philadelphia, Pa. Fluorescent lamp socket. 2,530,607, Nov. 21.
Fox, Carl R., assignor to Real Silk Hosiery Mills, Inc., Indianapolis, Ind. Sewing machine. 2,509,491, May 30.
Fox, Charles A., Oakland Village, Mo. Door latching device. 2,497,026, Feb. 7.
Fox, Charles A., Oakland Village, assignor to James R. Kearney Corporation, St. Louis, Mo. Electrical protective device. 2,498,120, Feb. 21.
Fox, Charles L., assignor of one-half to J. W. Barnard, Independence, Mo. Power take-off for vehicles. 2,486,787, Feb. 7.
Fox, Clarence D., Quebec, Quebec, assignor of twenty one-hundredths to M. S. Cotterell, North Sidney, Nova Scotia, Canada, and twenty-five one-hundredths to C. E. McCormick, Fremont, Ohio. Apparatus for conditioning bagged material. 2,529,548, Nov. 14.
Fox, Denys A.: *See*—
Hartley, Arthur C., Brown, Callendar, Fehling, Fox, Gill, Moore, Rosin, and Williamson.
Fox, Filbert G., Doylestown, Pa., assignor to Time Saver Corporation of America. Nonskid tire chain. Re. 23,221, Apr. 25.
Fox, Francis A.: *See*—
Ball, Charles J. P., Fox, Jessup, and Emley.
Fox, Fred L., Cairo, Ill. Record carrier. 2,501,037, Mar. 21.
Fox, Frederick J., Springdale, Conn. Sink rim. 2,505,828, May 2.
Fox, Harold C., Dallas, Tex. Type gauge and soldering jig. 2,525,027, Oct. 10.
Fox, Herman, Highland Park, N. J., assignor to Hercules Powder Company, Wilmington, Del. Continuous precipitation of cellulose derivatives. 2,518,133, Aug. 8.
Fox, Herman H., Passaic, and M. M. Creighton, assignors to Hoffmann-La Roche Inc., Nutley, N. J. Preparing sodium l-ascorbate. 2,495,246, Jan. 24.
Fox, I. J., Inc., assignee: *See*—
Farber, Morris, and Wiener.
Fox, James E., Denver, Colo. Low level switch for hydraulic brakes. 2,494,802, Jan. 17.
Fox, Maiteh M.: *See*—
Holtzman, Maiteh M.
Fox, Martin, Chicago, Ill., assignor to The Seng Company. Cabinet drawer carriage. 2,523,821, Sept. 26.
Fox, Martin, Chicago, Ill., assignor to The Seng Company. Twin bed structure. 2,523,987, Sept. 26.
Fox, Martin, Chicago, Ill., assignor to The Seng Company. Adjustable bedframe. 2,523,988, Sept. 26.
Fox, Martin, Chicago, Ill., assignor to The Seng Company. Chair iron. 2,528,223, Oct. 31.
Fox, Martin, Chicago, Ill., assignor to The Seng Company. Yieldable connector for the back rest of chairs. 2,529,683. Nov. 14
Fox Paper Company, The, assignee: *See*—
Walker, Charles R.
Fox, Paul X., Horsforth, near Leeds, England. Variable electric resistance, potentiometer, and the like. 2,519,752, Aug. 22.
Fox Products Company, assignee: *See*—
Medlar, Lewis A.
Fox, Ralph W.: *See*—
Beardsley, Orie L., Fox, and Braucher.
Fox, Raymond S., assignor to Niles-Bement-Pond Company, West Hartford, Conn. Plug gauge with attached pilot. 2,518,229, Aug. 8.
Fox, Roy H., Camden, N. J., assignor to Radio Corporation of America. Electrical measuring device. 2,524,904, Oct. 10.
Fox, Samuel S., West Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Water injection derichment device. 2,521,002, Sept. 5.
Fox, Sherman H., Silver City, N. Mex. Gate operating mechanism. 2,523,616, Sept. 26.
Fox, Vernie A., assignor, by mesne assignments, to Young Brothers Company, Detroit, Mich. Vertical oven. 2,503,437, Apr. 11.
Fox, Vernie A., assignor, by mesne assignments, to Young Brothers Company, Detroit, Mich. Vertical drying oven. 2,525,661, Oct. 10.
Fox, William F., assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Protecting preformed furniture panel grooves. 2,516,197, July 25.
Foxboro Company, assignee: *See*—
Bowditch, Hoel L.

Foxboro Company, The, assignee: *See*—
Bowditch, Hoel L.
Bristol, Benjamin H.
Philbrick, George A.
Foxtow, David L., Brooklyn, N. Y., assignor to Bendix Aviation Corporation, Teterboro, N. J. Sealing means. 2,507,895, May 16.
Foy, Thomas, Norwood, Ohio. Combination ball, rattle, and mirror for infants. 2,499,483, Mar. 7.
Foy, William M., Minneapolis, Minn. Box kite. 2,533,570, Dec. 12.
Foye, Allen B., West Bridgewater, assignor to Dewey and Almy Chemical Company, North Cambridge, Mass. Container sealing compositions and forming container seals. 2,528,506, Nov. 7.
Foye, Allen B., West Bridgewater, assignor to Dewey and Almy Chemical Company, North Cambridge, Mass. Container sealing compositions. 2,528,507, Nov. 7.
Frabill Manufacturing Company, assignee: *See*—
Matras, Frank D.
Fracassi, Renato D., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Tunable high-frequency circuits. 2,506,955, May 9.
Fracchia, Rosie M., Ukiah, Calif. Collar for hanging flower pots. 2,530,456, Nov. 21.
Fragale, John E., Wooster, Ohio. Two-stroke cycle internal-combustion engine. 2,496,623, Feb. 7.
Fragen, Nathan, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Distillate fuel manufacture involving extraction with liquid HF. 2,525,813, Oct. 17.
Frailing, Le Roy H.: *See*—
Kline, Alvin J., and Frailing.
Fraley, Early P., Doraville, assignor of one-half to R. Durden, Atlanta, Ga. Cartridge dispenser. 2,508,820, May 23.
Fram Corporation, assignee: *See*—
Kennedy, Walter V.
Rohland, Curt J.
Frambes, Gordon S., Columbus, Ohio. Reciprocating blade lawn mower. 2,526,814, Oct. 24.
Frame, Gordon F.: *See*—
Yutzey, Henry C., and Frame.
Frame, Gordon F., assignor to Eastman Kodak Company, Rochester, N. Y. Derivatives obtained by reacting gelatin and furoyl halides. 2,494,041, Jan. 10.
Frame, John E., Gary, Ind., assignor to Carnegie-Illinois Steel Corporation. Slab gripping device. 2,535,911, Dec. 26.
Framer, David, St. Louis, Mo. Air filter for dust collectors. 2,519,897, Aug. 22.
Framhein, Herbert J., Chicago, Ill., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Lift truck. 2,519,128, Aug. 15.
Framhein, Herbert J., Chicago, Ill., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Lift truck. 2,522,357, Sept. 12.
Framme, Richard J., and H. G. Wolff, Dayton, Ohio. Automatic navigator and indicator. 2,520,922, Sept. 5.
Frampton, Forrest A.: *See*—
Cheraso, Charles R., and Frampton.
Frampton, John A., Columbus, Ohio. Envelope. 2,527,925, Oct. 31.
Frampton, Stanley E., Leicester, England, assignor to United Shoe Machinery Corporation, Flemington, N. J. Lasting machine. 2,516,970, Aug. 1.
France, Harold, and N. H. Haddock, Blackley, England, assignors to Imperial Chemical Industries Limited. Wool dyestuffs. 2,505,284, Apr. 25.
France, Lloyd V., Platteville, Wis. Propolis culture. 2,517,419, Aug. 1.
France, Walter D., Waterbury, and M. C. Presley, Watertown, assignors to Scoville Manufacturing Company, Waterbury, Conn. Bimetal tubing with ferruled ends. 2,516,689, July 25.
Francis, Albert W., Wilkinsburg, Pa. Toy vehicle. 2,510,310, June 6.
Francis, Alfred W., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Purification of lower olefins. 2,498,204, Feb. 21.
Francis, Carleton S., Jr.: *See*—
Wood, Gordon H., and Francis.
Francis, Carleton S., Jr., West Harwich, Mass., assignor to American Viscose Corporation, Wilmington, Del. Fibrous products and making them. 2,500,282, Mar. 14.
Francis, Carleton S., Jr., West Harwich, Mass., assignor, by mesne assignments, to American Viscose Corporation, Wilmington, Del. Paper products and making the same. 2,526,125, Oct. 17.
Francis, Carleton S., Jr., West Harwich, Mass., assignor to American Viscose Corporation, Wilmington, Del. Producing a matrix containing particulate fillers. 2,527,628, Oct. 31.
Francis, Carleton S., Jr., West Harwich, Mass., assignor to American Viscose Corporation, Wilmington, Del. Textile product. 2,528,129, Oct. 31.
Francis, Charles E., and R. C. Jones, Martinez, assignors to Shell Development Company, San Francisco, Calif. Marine engine lubricant. 2,493,483, Jan. 3.
Francis, David R., trustee, assignee: *See*—
Daugherty, Fount F.
Francis, Frederick R., Billings Bridge, Ontario, Canada. Lathe machine. 2,495,927, Jan. 31.
Francis, Gerald C., Lansing, Mich. Latching means for trailers. 2,495,449, Jan. 24.
Francis, Gerald C., and N. T. Patterson, Lansing, Mich. Reflecting means for limiting vision of aircraft pilots. 2,522,938, Sept. 19.
Francis, James C., Jr., Fort Worth, assignor to Superior Oil Tool Corporation, Dallas, Tex. Pump piston. 2,526,465, Oct. 17.
Francis, Joseph F., assignee: *See*—
Dudley, Clarence.
Francis, Thomas, trustee, assignee: *See*—
Daugherty, Fount F.
Francis, Walter C., assignor to Reed Roller Bit Company, Houston, Tex. Drill bit. 2,507,776, May 16.
Francis, Walter C., assignor to Reed Roller Bit Company, Houston, Tex. Cone bit bearing. 2,513,634, July 4.
Francisco, William H., Jr., Bloomfield, N. J., assignor to Wright Aeronautical Corporation. Fin damping means. 2,518,675, Aug. 15.
Franck, Albert J., Richmond Hill, N. Y., assignor of one-half to R. W. Nagel, Detroit, Mich. Envelope or jacket for the safe storage of phonograph records. 2,512,577, June 20.
Franck, George E., Riverside, assignor to The Imperial Brass Manufacturing Company, Chicago, Ill. Tool for expanding and sizing the ends of metallic tubes. 2,493,127, Jan. 3.
Franck, George E., Riverside, assignor to The Imperial Brass Manufacturing Company, Chicago, Ill. Valve means. 2,499,022, Feb. 28.
Franck, George E., Riverside, assignor to The Imperial Brass Manufacturing Company, Chicago, Ill. Tube clamping means. 2,505,665, Apr. 25.
Franck, George E., Riverside, assignor to The Imperial Brass Manufacturing Company, Chicago, Ill. Clamping means for flaring tools or the like. 2,505,666, Apr. 25.
Franck, George E., Riverside, assignor to The Imperial Brass Manufacturing Company, Chicago, Ill. Valve. 2,534,509, Dec. 19.
Franck, George E., Riverside, assignor to The Imperial Brass Manufacturing Company, Chicago, Ill. Unitary flaring tool. 2,534,510, Dec. 19.
Franck, Kurt: *See*—
Rolph, Thomas W., and Franck.
Franck, Kurt, Newark, Ohio, assignor to Holophane Company, Inc., New York, N. Y. Luminaire for surgical lighting. 2,495,320, Jan. 24.
Franck, Kurt, and V. Wince, Newark, Ohio, assignors to Holophane Company, Inc., New York, N. Y. Recessed lighting equipment. 2,520,596, Aug. 29.
Franco, John A.: *See*—
Breshears, Thomas, and Franco.
Frangquist, Gustav H., Chicago, Ill., assignor to Combustion Engineering-Superheater, Inc. Roller journal for hot-gas swept bowl mills. 2,532,092, Nov. 28.
Frank, Adolf, Long Beach, N. Y. Lady's decorated veil and making same. 2,534,511, Dec. 19.
Frank, Bernard N., Sterling, Colo. Device for assisting parturition of animals. 2,522,508, Sept. 19.
Frank, Ernest, Yeadon, Pa., and R. F. Mozley, Berkeley, Calif., assignors to the United States of America as represented by the Secretary of the United States Air Force. Video gating circuit. 2,535,912, Dec. 26.
Frank, Eugene P., Milwaukee, Wis. Engine. 2,513,856, July 4.
Frank, Frederick C., Ardmore, Pa., assignor to Socony-Vacuum Oil Company, Incorporated. Synthetic lubricants from normal aliphatic mercaptans and aliphatic ketones. 2,522,669, Sept. 19.
Frank, Frederick C., Ardmore, Pa., assignor to Socony-Vacuum Oil Company, Incorporated. Reaction of dialkenyl ketones with tertiary alkyl mercaptans. 2,522,670, Sept. 19.
Frank, Frederick C., assignor to Bendix Aviation Corporation, South Bend, Ind. Wheel structure. 2,523,756, Sept. 26.
Frank, Gustav, Fort Worth, Tex. Gaseous fuel mixer. 2,502,139, Mar. 28.
Frank, Herman M., assignor to The North & Judd Manufacturing Company, New Britain, Conn. Slide fastener scoops or interlocking elements. 2,497,122, Feb. 14.
Frank, Joseph J., Union, and J. C. Macy, Elizabeth, N. J., assignors to Hercules Fasteners, Inc. Sausage. 2,493,063, Jan. 3.
Frank, Le Van A., Freeport, Ill. Automatic railroad track gauge. 2,507,896, May 16.
Frank, Louis, Fellows, Calif. Butter cutter. 2,506,919, May 9.
Frank, Louis, Kern County, Calif. Electric wire connecting clamp. 2,525,123, Oct. 10.
Frank, Manuel M., Sr., and J. B. Rodrigues, Fall River, Mass. Combination curtain drape and shade fixture means. 2,518,610, Aug. 15.
Frank, Paul G., Allentown, Pa. Attachment for paint cans. 2,534,964, Dec. 19.
Frank, William A., Hackensack, N. J. Pipe lining device. 2,517,780, Aug. 8.
Franke, Frieda S., Uvalde, Tex. Bowl cover attachment for electric food mixers. 2,517,648, Aug. 8.
Frankel, Charles H., and I. M. Sondak, Brooklyn, N. Y., assignors to Frason Company, Inc. Apparatus for making laddered tape for Venetian blinds. 2,527,627, Oct. 31.

Frankel, Leo, Chicago, Ill., assignor, by mesne assignments, to City National Bank and Trust Company of Chicago, as trustee. Magazine support and release. 2,504,317, Apr. 18.

Frankel, Peter, Rego Park, assignor to Peter Morton Leisure Wear, Inc., New York, N. Y. Garment construction and making same. 2,534,863, Dec. 19.

Frankel, Sidney, Forest Hills, assignor to International Standard Electric Corporation, New York, N. Y. Automatic frequency control system. 2,510,095, June 6.

Franken, Thomas L.: *See*—
Weber, Louis L., Kling, and Franken.

Frankenburg, Walter G., Millersville, Pa., assignor to Hydrocarbon Research, Inc., New York, N. Y. Catalytic reduction of carbon oxide by hydrogen. 2,507,510, May 16.

Frankenburg, Walter G., Millersville, Pa., assignor to Hydrocarbon Research, Inc., New York, N. Y. Catalytic reduction of carbon oxide by hydrogen. 2,531,420, Nov. 28.

Frankenburg, Walter G., Millersville, Pa., and E. T. Layng, assignors to Hydrocarbon Research, Inc., New York, N. Y. Synthesis of hydrocarbons and oxygenated hydrocarbons. 2,510,096, June 6.

Frankenfeld, Justus C., Manhattan, Kans., dedicated to the free use of the People in the Territory of the United States. Staining method of detecting hidden weevil infestation in grains. 2,525,789, Oct. 17.

Frankenstein, William P., Cincinnati, Ohio. Carton. 2,493,189, Jan. 3.

Frankenstein, William P., Cincinnati, Ohio. Carton. 2,494,234, Jan. 10.

Frankenstein, William P., Cincinnati, Ohio. Carton. 2,514,384, July 11.

Frankenstein, William P., Cincinnati, Ohio. Carton. 2,519,831, Aug. 22.

Frankenstein, William P., Cincinnati, Ohio. Carton. 2,529,147, Nov. 7.

Frankenstein, William P., Cincinnati, Ohio. Carton. 2,535,056, Dec. 26.

Frankert, Thor G., Stockholm, Sweden. Sewing machine. 2,505,036, Apr. 25.

Frankford, Clarence, assignee: *See*—
Diamond, Emanuel.

Frankl, Abe: *See*—
Harris, Robert L., and Frankl.

Frankl, Julius J., New York, N. Y. Garment hanger. 2,504,514, Apr. 18.

Franklin, Albert W., New York, N. Y. Die for cutting electrical units. 2,535,674, Dec. 26.

Franklin, Alberto, Caracas, Venezuela. Preserving edible liquids. 2,499,243, Feb. 28.

Franklin, Alexander M.: *See*—
Rose, Jess C., and Franklin.

Franklin Appliance Company, assignee: *See*—
Misic, Stephen.
Schwarz-Kast, Ernst L.

Franklin, Clarence B., Inkster, Mich. Toy vehicle. 2,498,409, Feb. 21.

Franklin, Constance W., Belmont, assignor to Cambridge Thermionic Corporation, Cambridge, Mass. Piezoelectric system. 2,515,083, July 11.

Franklin, Curtis E., Avenal, Calif. Tree holder. 2,502,040, Mar. 28.

Franklin, Edna M., Oklahoma City, Okla. Thread pulling tool. 2,504,676, Apr. 18.

Franklin, Edward S. and C. Sattler, Detroit, assignors to R. B. Parker, Royal Oak, Mich. Apparatus for hygienically treating the hands. 2,517,996, Aug. 8.

Franklin, Ernest, Bilston, assignor to Minister of Supply, in His Majesty's Government of the United Kingdom of Great Britain and Northern Ireland, London, England. Variable resistance device. 2,501,813, Mar. 28.

Franklin, George C., Anaheim, Calif. Requisition holder. 2,532,361, Dec. 5.

Franklin Institute of the State of Pennsylvania for the Promotion of the Mechanic Arts, The, assignee: *See*—
Sharpe, John S.

Franklin, John J., Glenside, assignor to Proctor & Schwartz, Inc., Philadelphia, Pa. Web feeding device for roll type driers. 2,517,861, Aug. 8.

Franklin, Joseph, Los Angeles, Calif. Illuminated hubcap. 2,526,548, Oct. 17.

Franklin, L. K., Corporation, assignee: *See*—
Franklin, Lester K., and Merchasin.

Franklin, Laurence W., Hasbrouck Heights, N. J. Radio transmitting system. 2,493,484, Jan. 3.

Franklin, Lester K., Los Angeles, Calif. Adapter. 2,493,577, Jan. 3.

Franklin, Lester K., Los Angeles, and J. Merchasin, Burbank, assignors to L. K. Franklin Corporation, Los Angeles, Calif. Brush with fountain pressure supply and soap chamber. 2,502,937, Apr. 4.

Franklin, Myrta, assignee: *See*—
Irving, Clare.

Franklin Railway Supply Company, assignee: *See*—
Forker, Major T., Jr.
Gregson, Robert W.
Kirchhof, Julius.
Townsend, Albert J., and Kirchhof.

Franklin, Ralph E., Patchogue, and W. A. Miller, Port Jefferson, N. Y., assignors to Radio Corporation of America. Piezoelectric crystal holder. 2,507,374, May 9.

Franklin, Richard C., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of 3'-bromo-4'-methyl-2-benzoylbenzoic acid. 2,519,037, Aug. 15.

Franklin, Robert L.: *See*—
Zachmann, Jules N., and Franklin.

Franklin Sales & Manufacturers, Inc., assignee: *See*—
Fukal, Alfred F.

Franklin, Virgil, Kansas City, Kans. Calf weaner. 2,510,337, June 6.

Franks, Albert E., H. L. Rawlings, and M. B. Arisman, assignors to Chicago Telephone Supply Company, Elkhart, Ind. Snap switch. 2,524,784, Oct. 10.

Franks, Ralph E., Baltimore, Ohio. Front wheel suspension. 2,525,171, Oct. 10.

Franks, Roye W., Michigan City, Ind. Draft control. 2,506,497, May 2.

Franks, Russell, and W. O. Binder, Niagara Falls, N. Y., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Alloy article for use at elevated temperatures. 2,513,467, July 4.

Franks, Russell, and W. O. Binder, Niagara Falls, N. Y., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Alloy articles for high temperature service. 2,513,468, July 4.

Franks, Russell, and W. O. Binder, Niagara Falls, N. Y., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Alloy articles for use at high temperatures. 2,513,469, July 4.

Franks, Russell, and W. O. Binder, Niagara Falls, N. Y., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Ferrous alloy articles having great strength at high temperatures. 2,513,470, July 4.

Franks, Russell, and W. O. Binder, Niagara Falls, N. Y., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Alloy articles for high-temperature service. 2,513,471, July 4.

Franks, Russell, and W. O. Binder, Niagara Falls, N. Y., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Alloy articles for use at high temperatures. 2,513,472, July 4.

Fransen, David, Wichita, Kans. Apparatus for changing lubricating oil of motor vehicles. 2,509,426, May 30.

Fransen, David and L. W., Wichita, Kans. Eccentric drive. 2,499,485, Mar. 7.

Fransen, Lillian W.: *See*—
Fransen, David and L. W.

Franson, Perry, and N. Wirostko, Jr., Gary, Ind. Pleat retainer pin for curtains and draperies. 2,522,358, Sept. 12.

Fransson, Karl E., Canton Center assignor to United Aircraft Corporation, East Hartford, Conn. Mounting for hollow turbine blades. 2,501,038, Mar. 21.

Frantz, Howard E., Jr.: *See*—
Snell, William E., Frantz, and Hignutt.

Frantz Manufacturing Co., assignee: *See*—
Foulds, Neil M.

Frantz, Samuel G., Princeton, N. J. Magnetic separator. 2,508,666, May 23.

Franz, Earl E., Canton, Ohio. Teeter-totter and merry-go-round. 2,533,005, Dec. 5.

Franz, Erwin E., Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Support for hollow articles providing means to control the cooling of the material within the article. 2,530,238, Nov. 14.

Franz, Henry H., Baltimore, Md., assignor to The Creamery Package Mfg. Company, Chicago, Ill. Cap feeding and applying apparatus. 2,524,594, Oct. 3.

Franzel, Richard M., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electronic apparatus. 2,531,265, Nov. 21.

Franzel, Robert T., and J. W. Farrell, Dayton, Ohio. Force measuring device. 2,520,923, Sept. 5.

Franzén-Lutz, Britta, and J. P. Lutz, Appelviken, assignors to Telefonaktiebolaget L M Ericsson, Stockholm, Sweden. Apparatus for determination of moisture content. 2,520,394, Aug. 29.

Frascari, Joseph, Saint-Tropez, France. Sealing capsule. 2,503,944, Apr. 11.

Frasch, Jean: *See*—
Freud, Herbert M.

Fraser-Brace Engineering Co., Inc., assignee: *See*—
Fraser, Charles E.

Fraser, Charles E., Clearwater, Fla., assignor to Fraser-Brace Engineering Co., Inc., New York, N. Y. Apparatus for releasing oil from and for removing the surfaces from citrus fruits and the like. 2,529,286, Nov. 7.

Fraser, Cyrus H., San Diego, Calif. Plotting trainer. 2,520,924, Sept. 5.

Fraser, Douglas, & Sons Limited, assignee: *See*—
Fraser, Hugh.

Fraser, Edward S.: *See*—
Moyer, Frederick D., and Fraser.

Fraser, Edward S., Chicago, Ill., assignor to Chicago Bridge & Iron Company. Sealing and leveling means for lifter roof tanks. 2,497,878, Feb. 21.

Fraser, Eugene P., and G. F. Holtz, Brooklyn, N. Y. Fingernail touch-up kit. 2,504,677, Apr. 18.

Fraser, George L., Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Unsaturated alkyd casting resins. 2,516,309, July 25.

Fraser, George L., Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Gasket material. 2,526,605, Oct. 17.
Fraser, Herbert J., assignee: *See*—
Fraser, William A., and Williams.
Fraser, Hugh, assignor to Douglas Fraser & Sons Limited, Arbroath, Angus, Scoatland. Arrangement for drafting and twisting fibrous material in spinning frames. 2,498,364, Feb. 21.
Fraser, James, assignor to Speakman Company, Wilmington, Del. Adjustable spray shower head. 2,534,549, Dec. 19.
Fraser, Keith E., Detroit, Mich. Coffee metering device. 2,533,449, Dec. 12.
Fraser, Kenneth G., assignee: *See*—
Stillwagon, George B., Jr.
Fraser, Le Roy B., Woodbridge, Conn. Safety for firearms. 2,525,886, Oct. 17.
Fraser, Lester E., Osseo, Mich. Device for tying baling wires. 2,520,800, Aug. 29.
Fraser, Lewis H. D., Chicago, Ill., assignor to Owens-Illinois Glass Company. Heat insulating materials and making. Re. 23,228, May 9.
Fraser, Lloyd F., Tulsa, Okla. Hydraulic pump unloading valve. 2,513,304, July 4.
Fraser, Percy E.: *See*—
Locke, William B., and Fraser.
Fraser Products Company, assignee: *See*—
Bishop, Walter.
Fraser, Reginald P.: *See*—
Austin, Archibald S., Sapiro, and Fraser.
Fraser, Reginald S., Lead, S. Dak., and G. W. Morthland, Los Angeles, Calif., assignors to Morthland-Farrel, Inc., New York, N. Y. Plural stage tube mill. 2,501,166, Mar. 21.
Fraser, Thomas C., Detroit, Mich., assignor to American Brake Shoe Company, Wilmington, Del. Slipper bearing. 2,526,072, Oct. 17.
Fraser, Walter A., New Canaan, Conn., N. J. Kreidl, Irondequoit, N. Y., and L. O. Upton, Chicago, Ill., assignors to Bausch & Lomb Optical Company, Rochester, N. Y. Barium crown optical glass. 2,523,362, Sept. 26.
Fraser, Warren F.: *See*—
Arter, Harry, and Fraser.
Fraser, Warren F., Westboro, Mass. Automatic grinding machine. 2,517,193, Aug. 2.
Fraser, William, Ghyll Crest, Ghyll Head, Windermere, England. Transversely movable piston type hydraulic coupling. 2,498,801, Feb. 28.
Fraser, William A., and J. Williams, Saint Kilda, Victoria, assignors of one-fourth to said W. A. Fraser, one-fourth to H. J. Fraser, Bendigo, Victoria, and one-half to J. J. Casey, Saint Kilda, Victoria, Australia. Manually operable fluid valve. 2,510,393, June 6.
Fraser, William H., Reno, Nev. Safety holder for instruments. 2,530,608, Nov. 21.
Frason Company, Inc., assignee: *See*—
Frankel, Charles H., and Sondak.
Fratt, Harry C., Norristown, Pa. Rod and reel holder. 2,529,148, Nov. 7.
Frauenshuh, Thomas E., St. Paul, Minn. Radio tuning system. 2,520,631, Aug. 29.
Frayne, John G., Pasadena, Calif., assignor to Western Electric Company, Incorporated, New York, N. Y. Variable area, push-pull sound recording system. 2,511,199, June 13.
Frayne, John G., Pasadena, Calif., assignor to Western Electric Company, Incorporated, New York, N. Y. Variable-density push-pull sound recording system. 2,514,633, July 11.
Frazee, John D., Glastonbury, and W. H. Russell, Talcottville, Conn. Convertible nursery seat. 2,516,557, July 25.
Frazelle, Jay B., Manhattan Beach, assignor to W. D. Chewning, Santa Monica, Calif. Rug holding means. 2,532,703, Dec. 5.
Frazelle, Jay B., and W. D. Chewning, Santa Monica, Calif., said Frazelle assignor to said Chewning. Staple pin attaching means. 2,532,704, Dec. 5.
Frazer, Joseph H., and J. W. Perry, Havre de Grace, Md., and W. R. Johnson, Baytown, Tex. Producing explosions on surfaces. 2,504,119, Apr. 18.
Frazer, Ruth V., San Francisco, Calif. Garment construction. 2,494,292, Jan. 10.
Frazey, Donald W., Summit, Ill. Apparatus for producing combustible gas. 2,525,597, Oct. 10.
Frazier, A. L., assignee: *See*—
Martin, Robert F., and Price.
Frazier, David, Bay Village, assignor to The Standard Oil Company, Cleveland, Ohio. Sulfonated thio ethers and making same. 2,499,377, Mar. 7.
Frazier, John W., Shaker Heights, and L. J. Koch, assignors to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Bearing. 2,520,310, Aug. 29.
Frazier, John W., Shaker Heights, and L. J. Koch, assignors to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Plain bearing. 2,525,887, Oct. 17.
Frazier, Richard E., Dayton, Ohio, assignor to the United States of America as represented by the Secretary of War. Noise suppression circuit. 2,512,637, June 27.
Frazier-Simplex, Inc., assignee: *See*—
Robinson, Philip W.
Frazier Tandem Systems, Inc., assignee: *See*—
Frazier, Van.
Frazier, Van, assignor, by mesne assignments, to Frazier Tandem Systems, Inc., Springfield, Mo. Tandem axle spring suspension. Re. 23,252, Aug. 1.
Fread, Charles L., assignor, by mesne assignments, to Gerity-Michigan Corporation, Adrian, Mich. Agitating electroplating mechanism. 2,534,165, Dec. 12.
Frear, William, Fox Chase, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Wave guide interconnecting device. 2,529,381, Nov. 7.
Frearson, Thomas B., and T. Jackson, Spondon, near Derby, England, assignors to Celanese Corporation of America. Treatment of filaments, foils, and similar articles. 2,520,202, Aug. 29.
Freas, Robert R., Jr., Jermyn, Pa., assignor to Radio Corporation of America. Automatic frequency control. 2,503,105, Apr. 4.
Freas, Robert R., Jermyn, Pa., assignor to Radio Corporation of America. Wattmeter circuits. 2,512,927, June 27.
Freas, Robert R., Jr., Jermyn, Pa., and H. C. Lawrence, Jr., Haddonfield, N. J., assignors to Radio Corporation of America. Radio-frequency current transformer. 2,526,549, Oct. 17.
Freasier, Stella R., Phoenix, and A. W. Gressinger, Florence, Ariz. Adjustable back rest. 2,534,009, Dec. 12.
Freccia, Vieri, Venice, Italy. Electromagnetic expansion and compression circuit for sound transducers. 2,510,879, June 6.
Frech, Theodore W., Cleveland, Ohio, assignor to General Electric Company. Time delay magnetic starter. 2,497,542, Feb. 14.
Fréchet, Gabriel, Paris, France. Resiliently reacting deformable wheel. 2,517,475, Aug. 1.
Frechtmann, Jean, Paris, France. Blade guard. 2,517,649, Aug. 8.
Frechtmann, Jean, Paris, France. Play toy. 2,534,550, Dec. 19.
Fred, Jack C., Atlanta, Ga. Hair blocking pattern. 2,529,149, Nov. 7.
Fredenall, Gordon L., Feasterville, Pa., assignor to Radio Corporation of America. Color television system. 2,513,159, June 27.
Fredendall, Gordon L., and A. C. Schroeder, Feasterville, Pa., assignors to Radio Corporation of America. Intelligence transmission system. 2,502,213, Mar. 28.
Fredenhagen, Walter S., and M. S. Schmidt, Naperville, Ill. Detachable cover and service bar for frozen foods containers. 2,518,134, Aug. 8.
Frederichs, Georg G., Kassel-Brasselsberg, Germany, vested in the Attorney General of the United States. Gear shaping machine. 2,508,244, May 16.
Frederick, Carl L.: *See*—
Swartzel, Karl D., and Frederick.
Frederick, Emile, Jr., New Orleans, La., assignor to The Celotex Corporation, Chicago, Ill. Concrete form lining. 2,514,484, July 11.
Frederick, Fred A., assignor to Motor Wheel Corporation, Lansing, Mich. Journal box lid. 2,498,158, Feb. 21.
Frederick, Jean R., Conneaut, Ohio. Transfer apparatus for loading conveyers. 2,493,807, Jan. 10.
Frederick, Martin L., St. Louis Park, Minn. Trailer hitch and bumper combined. 2,521,356, Sept. 5.
Frederick, Rheuel H., High Bridge, N. J. Pump. 2,500,812, Mar. 14.
Frederick, Rheuel H., High Bridge, N. J. Variable capacity pump. 2,517,862, Aug. 8.
Frederick, Stephen A., Washington Township, Fayette County, Pa. Prefabricated detachable guard rail, particularly for mine tracks. 2,529,077, Nov. 7.
Fredericks, Charles C., Los Angeles, Calif. Power-driven mixer. 2,517,997, Aug. 8.
Fredericksen, George H., assignee: *See*—
Bruen, George C.
Fredericksen, James P., Braintree, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Shoe welt, seam, and rib ironing machine. 2,496,341, Feb. 7.
Fredericksen, James P., Braintree, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Welt guide and avoiding distortion of welts in welt shoes. 2,509,221, May 30.
Fredericksen, James P., Braintree, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for and method of sewing heavy materials. 2,516,861, Aug. 1.
Fredericksen, James P., Braintree, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Sewing shoes. 2,517,103, Aug. 1.
Frederiksen, Harald, assignee: *See*—
Wacek, Anton.
Frederiksen, Svend E., Charlottenlund, assignor to Novo Terapeutisk Laboratorium A/S, Copenhagen, Denmark. Working up the pancreas of mammals. 2,524,658, Oct. 3.
Fredholm, Henry M., Midlothian, Ill. Trailer jack. 2,519,364, Aug. 22.
Fredholm, Johan O. H., Alsten, and P. H. E. Claesson, Jakobsberg, Sweden. Gas-filled cavity resonator. 2,511,106, June 13.
Fredrick, Arden H., Boston, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Stabilized frequency divider circuit. 2,530,427, Nov. 21.

Fredrick, Charles P., assignor of one-half to K. H. Kaye, Seattle, Wash. Pinless clothesline. 2,505,890, May 2.
Fredrickson, Edward A.: *See*—
Stone, Carl R., and Fredrickson.
Fredrickson, Edward A., and C. Bolling, Chicago, and R. H. Zinkil, Oak Park, assignors to Crane Co., Chicago, Ill. Valve. 2,520,092, Aug. 22.
Fredrickson, Edward A., Chicago, and J. R. Turek, Berwyn, assignors to Crane Co., Chicago, Ill. Bath and shower supply fitting with deviator spout. 2,507,467, May 2.
Fredrickson, Einar H.: *See*—
Yarrick, Charles J., and Fredrickson.
Fredrikson, Alf, Englewood, N. J. Reversible coupling. 2,510,880, June 6.
Fredstrom. Gustave T., Chicago, Ill. Master-control clock. 2,529,869, Nov. 14.
Free, Alfred H., assignor to Miles Laboratories, Inc., Elkhart, Ind. Test reagent composition. 2,509,140, May 23.
Free, Bruce V., Kingston, Ontario, Canada. Trapping float. 2,527,629, Oct. 31.
Free, Gerhard: *See*—
Michael, Wilhelm, Goehre, Free, Fuener, and Schneider.
Freed, Clarence T., Eldora, Iowa. Oil manifold warmer. 2,530,457, Nov. 21.
Freed, William V., Wilmington, Del., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Noncaking DDT powder containing carbon black. 2,526,648, Oct. 24.
Freedman, Benjamin H., assignor to General Register Corporation, New York, N. Y. Ticket. 2,532,664, Dec. 5.
Freedman, Cecil L., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrodynamometer. 2,508,379, May 23.
Freedman, Cecil L., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Moving coil electrical measuring instrument. 2,508,380, May 23.
Freedman, Hyman, New York, N. Y. Dental appliance. 2,522,261, Sept. 12.
Freedman, Louis, Mount Vernon, and E. Green, New York, N. Y., assignors to U. S. Vitamin Corporation. Aqueous solutions of lipoid-soluble vitamins. 2,518,230, Aug. 8.
Freedman, Rudolph, University City, and J. E. Dube, Chesterfield, Mo., assignors, by mesne assignments, to Kearfott Company, Inc., New York, N. Y. Windshield wiper system. 2,516,558, July 25.
Freedman, Ruth, New York, N. Y. Brassière. 2,520,836, Aug. 29.
Freedman, Samuel, U. S. Navy, and G. F. Bonardi, Manhattan Beach, Calif. Direct-current amplifier. 2,524,165, Oct. 3.
Freedom, Thomas C., assignor to Aircraft-Marine Products Inc., Harrisburg, Pa. Electrical connector. 2,535,013, Dec. 19.
Freehafer, John E., assignor to General Railway Signal Company, Rochester, N. Y. Flight calculator for airplanes. 2,529,601, Nov. 14.
Freel Bros. Industries, assignee: *See*—
Freel, Joseph L.
Freel, Charles L., Detroit, Mich., assignor to Lord Manufacturing Company, Erie, Pa. Aircraft control surface lock. 2,509,141, May 23.
Freel, Joseph L., assignor of one-half to Freel Bros. Industries, Bay City, Mich. Christmas tree holder. 2,518,421, Aug. 8.
Freeman, Benjamin W., Cincinnati, Ohio. Decorating machine. 2,528,302, Oct. 31.
Freeman, C. E., Co., Inc., assignee: *See*—
Sandora, Manuel A., and Freeman.
Freeman, Cecil E.: *See*—
Sandora, Manuel A., and Freeman.
Freeman, Claud W., Dallas, Tex. Window drape mounting. 2,504,319, Apr. 18.
Freeman, Claud W., Fort Worth, Tex. Display apparatus. 2,504,318, Apr. 18.
Freeman, David A., assignor to G. H. Bishop Company, Chicago, Ill. Sorting reel hook. 2,499,188, Feb. 28.
Freeman, Emma J.: *See*—
Cudd, Herschel H., and Freeman.
Freeman, Erlin L.: *See*—
West, John J., and Freeman.
Freeman, Ernest H., assignor to H. Epstein, and L. R. Duman, Chicago, Ill. Transformer. 2,518,767, Aug. 15.
Freeman, Grover C., Fort Leavenworth, Kans. Christmas tree holder. 2,511,200, June 13.
Freeman, Harold A., assignor to Wingfoot Corporation, Akron, Ohio. Hose vulcanizing apparatus. 2,525,662, Oct. 10.
Freeman, Howard G., Worcester, and A. T. Kosciusko, Auburn, assignors to Rockwood Sprinkler Company, Worcester, Mass. Handle construction for ball valves. 2,523,617, Sept. 26.
Freeman, Ida, Altoona, Ala. Adapter for honey frames. 2,523,424, Sept. 26.
Freeman, J., Incorporated, assignee: *See*—
Freeman, Jacob.
Freeman, Jacob, assignor to J. Freeman, Incorporated, Boston, Mass. Glow discharge device. 2,514,753, July 11.
Freeman, Jacob, Dorchester, Mass. Putting mercury in evacuated tubes. 2,520,278, Aug. 29.
Freeman, Leo, Baton Rouge, La., assignor to Gruendler Crusher and Pulverizer Company, St. Louis, Mo. Clarification of settling liquors. 2,500,065, Mar. 7.
Freeman, Lewis D., Arlington, Va., assignor to Cardwell Westinghouse Company. Draft gear construction. 2,503,231, Apr. 4.
Freeman, Louis G., Company, The, assignee: *See*—
Herbers, Joseph G.
Hoffman, Howard H., and Herbers.
Freeman, Marjorie, St. John, Wash. Closure for containers. 2,525,888, Oct. 17.
Freeman, Paul B.: *See*—
Ogle, Charles R., and Freeman.
Freeman, Sydney W., White Plains, assignor to General Railway Signal Company, Rochester, N. Y. Crossover protection system for railroads. 2,494,435, Jan. 10.
Freeman, Vincent A., York, Pa. Simulated golf game. 2,509,634, May 30.
Freeman, Walter F., Springfield, Mass. Traffic signal. 2,535,200, Dec. 26.
Freeman, William S., Barnsley, England. Rubber bathing cap. 2,515,554, July 18.
Freeport Sulphur Company, assignee: *See*—
McIver, Dewitt T., and Lee, and Axelrad.
Freer, Gorham F., Arlington, Va., assignor to Mueller Co., Decatur, Ill. Stud or valve setting tool. 2,522,817, Sept. 19.
Freer, William A., Poughkeepsie, N. Y., assignor to American Type Founders, Incorporated, Elizabeth, N. J. Control for intermittent drives. 2,492,979, Jan. 3.
Freese, Gerald J.: *See*—
Toth, Julius, and Freese.
Freestone, Joseph B., Mesa, Ariz. Grease dispenser. 2,506,204, May 2.
Freeze, Jonathan R., Middletown, Ohio, assignor to Armco Steel Corporation. Electrode holder for spiral pipe machines. 2,501,845, Mar. 28.
Freeze King Corporation, assignee: *See*—
Maranz, Leo S.
Frei, Jakob R., Sidney, assignor to Bendix Aviation Corporation, New York, N. Y. Ignition harness. 2,522,169, Sept. 12.
Frei, Jakob R., and W. A. Uline, Sidney, assignors to Bendix Aviation Corporation, New York, N. Y. Electrical connecting means. 2,521,056, Sept. 5.
Frei, John, Jr., Chicago, Ill. Furnace. 2,525,407, Oct. 10.
Frei, John, Jr., Chicago, Ill. Vibratory conveyer for packing. 2,535,127, Dec. 26.
Frei, Jost: *See*—
Albrecht, Otto, Frei, and Landolt.
Freiberg, Stanley B., Cincinnati, Ohio. Record sheet assembly. 2,519,181, Aug. 15.
Freidag, William F., and W. W. Walter, Freeport, Ill., assignors, by mesne assignments, to Rockwell Manufacturing Company, Pittsburgh, Pa. Refrigerator door latch. 2,507,511, May 16.
Freifelder, Morris: *See*—
Leffler, Marlin T., and Freifelder.
Freiman, Milton, Chicago, Ill., assignor to Vitamins, Inc. Separation of saponified and unsaponifiable portions of fats and oils. 2,516,112, July 25.
Freimiller, Louis R.: *See*—
Croxall, Willard J., and Freimiller.
Freins Jourdian-Monneret, Societe Anonyme, assignee: *See*—
Zuckermann, Armand.
Freis, Frederick M., Chicago, assignor, by mesne assignments, to Conlon-Moore Corporation, Cicero, Ill. Ironing machine shoe coupling and emergency release means. 2,526,550, Oct. 17.
Frejacques, Jean L. M., assignor to Compagnie de Produits Chimiques et Electrometallurgiques Alais, Froges et Camargue, Paris, France. Synthetic manufacture of urea. 2,498,538, Feb. 21.
Frejacques, Jean L. M., assignor to Compagnie de Produits Chimiques et Electrometallurgiques Alais, Froges et Camargue, Paris France. Crystallizing urea. 2,498,539, Feb. 21.
French, Benedict V. K., Larchmont, N. Y., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Slide wire permeability unit. 2,505,178, Apr. 25.
French, Frank E., Rochester, N. Y. Garment hanger. 2,496,088, Jan. 31.
French, George F., and R. French, Hale, and B. J. Brown, Littleborough, England; said Brown assignor to said G. F. French and said R. French. Curtain heading tape. 2,518,301, Aug. 8.
French, Gulver O., Maplewood, N. J., assignor to Combustion Engineering-Superheater, Inc. Boiler water drum mounting. 2,529,078, Nov. 7.
French, Hayward A.: *See*—
Young, Norman H., Jr., Silver, and French.
French, Hobert W., Jr.: *See*—
O'Brien, Brian, and French, Jr.
French, Hobert W., Jr., Howell, assignor to Argus, Inc., Ann Arbor, Mich. Slide carrier. 2,521,709, Sept. 12.
French, James W., assignor to Barr & Stroud, Limited, Glasgow, Scotland. Mounting for observation instruments. 2,512,321, June 20.
French, James W., and C. Foster, assignors to Barr & Stroud, Limited, Glasgow, Scotland. Micrometer eyepiece for optical measuring instruments. 2,511,975, June 20.

French, John, Ecorse, Mich., assignor to Revere Copper and Brass Incorporated, New York, N. Y. Strip annealing. 2,535,983, Dec. 26.
French, Leon B., Springfield, and J. F. Sweeney, Chicopee, Mass. Refrigerating apparatus. 2,525,172, Oct. 10.
French, Louis O., Milwaukee, Wis. Motor controller switch. 2,503,581, Apr. 11.
French, Louis O., Milwaukee, Wis. Automatic fuel injector. 2,516,690, July 25.
French, Louis O., Milwaukee, Wis. Fuel injection system. 2,516,691, July 25.
French, Louis O., Milwaukee, Wis. Fuel injector. 2,516,692, July 25.
French Oil Mill Machinery Company, The, assignee: *See*—
Beeson, Bert B.
Simon, Forrest C.
Stacy, Thomas F.
French, Roger, assignee: *See*—
French, George F., and Roger and Brown.
French, Schuyler C., and S. M. Causley, Detroit, Mich. Trailer hitch. 2,516,459, July 25.
French, Willard C., Milton, assignor to Draper Corporation, Hopedale, Mass. Picker stick governor mechanism. 2,506,145, May 2.
Frenchik, Michael J., Pittsburgh, Pa. Tricycle. 2,518,537, Aug. 15.
Frenkel, Benjamin: *See*—
Anthony, Leonard R., Frenkel, Smith, and Wicking.
Frenkiel, Joseph: *See*—
Petitcolas, Pierre, and Frenkiel.
Frenzel, Wilbur G., Nome, Tex. Traction cleat. 2,507,968, May 16.
Frerer, Paul G., assignor to Bendix Aviation Corporation, Baltimore, Md. Snap acting contactor. 2,508,381, May 23.
Frerer, Paul G., assignor to Perfex Corporation, Milwaukee, Wis. Overfire air blower control for stoker supplied furnaces. 2,497,879, Feb. 21.
Frese, Carl W.: *See*—
Heigis, Henry E., and Frese.
Frese, Carl W., New York, N. Y., and T. P. Scott, Caldwell, assignors to Specialties Development Corporation, Belleville, N. J. Fire extinguishing apparatus. 2,524,047, Oct. 3.
Frese, Joseph F., assignor to The Monitor Controller Company, Baltimore, Md. Reciprocating contact switch. 2,496,282, Feb. 7.
Frese, Joseph F., assignor to The Monitor Controller Company, Baltimore, Md. Circuit controller. 2,533,238, Dec. 12.
Fresolone, Vito, Union, N. J. Emergency fuel supply for motor vehicles, boats, etc. 2,521,576, Sept. 5.
Fressola, Alfred J., Bridgeport, Conn. Agitating device. 2,494,866, Jan. 17.
Freston, Robert B.: *See*—
Pletta, William H., and Freston.
Freter, Roy J., Columbus, Ohio. Cold punching metal parts. 2,522,440, Sept. 12.
Freto Company, assignee: *See*—
Doolin, Earl B.
Fretter, Fred W., Detroit, Mich. Pin setting machine. 2,518,457, Aug. 15.
Fretz, Max, Zurich, Switzerland. Base for printing plates and manufacturing same. 2,518,876, Aug. 15.
Freud, Herbert M., dit J. Frasch, Nanterre, assignor to Societe De Produits Chimiques Des Terres Rares, Paris, France. Protection of immersed metal. 2,505,535, Apr. 25.
Freud, Herbert M., also known as J. Frasch, Nanterre, France. Metal protected against corrosion and mode of producing same. 2,505,734, Apr. 25.
Freud, Herbert M., dit J. Frasch, Nanterre, France. Protection of magnesium and magnesium-base alloys. 2,513,237, June 27.
Freudenberg, Werner, Cranford, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Preparing 1 - amino - 4 - bromoanthraquinone - 2 - sulfonic acid. 2,503,254, Apr. 11.
Freudenberger, Leopold, Kanwal, via Wyong, New South Wales, Australia. Instrument for cutting thin layers from skinlike tissue. 2,524,102, Oct. 3.
Freund, Elmer J., Meadville, Pa., assignor to American Viscose Corporation, Wilmington, Del. Adjustable spinning cap. 2,527,630, Oct. 31.
Freund, Robert R., Mount Carmel, Ill. Lavatory and like for articulated beds. 2,498,736, Feb. 28.
Freund, Robert R., Mount Carmel, Ill. Adjustable footrest for chairs and invalid beds. 2,532,705, Dec. 5.
Freund, Robert R., Mount Carmel, Ill. Adjustable lavotory for articulated beds. 2,532,706, Dec. 5.
Freund, Robert R., Mount Carmel, and J. M. Royal, Villa Park, Ill., and L. F. Schoelkopf, Madison, Wis., said Royal and said Schoelkopf assignor to said Freund. Pressure-operated adjustable support for a sanitary attachment of sink or basin type. 2,514,540, July 11.
Freundlich, Albert, Bronx, assignor to Nu-Plast Binding Co., Inc., Flushing, N. Y. Bookbinding machine. 2,532,443, Dec. 5.
Frevel, Ludo K., assignor to The Dow Chemical Company, Midland, Mich. Deflecting and focusing means for X-rays. 2,497,543, Feb. 14.
Frey, Arnold J., Cleveland, Ohio. Kite. 2,507,777, May 16.
Frey, Cleon F., Jr., Greenfield, assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Transformer. 2,509,427, May 30.
Frey, Cleon F., Jr., Greenfield, and R. J. Aust, assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind. High-frequency tuner device. 2,513,393, July 4.
Frey, Frederick E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Removal of fluorine from organic materials. 2,494,867, Jan. 17.
Frey, Frederick E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Pressure vessel. 2,507,778, May 16.
Frey, Frederick E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Preparation of higher fatty acids. 2,525,889, Oct. 17.
Frey, George C.: *See*—
Jelinek, Donald, and Frey.
Frey, Walter L., Oakland, Calif. Pastry forming device. 2,505,536, Apr. 25.
Freydberg Bros.-Strauss, Inc., assignee: *See*—
Alpern, Dwight K., Freydberg, and Hawkins.
Freydberg, Herman M.: *See*—
Alpern, Dwight K., Freydberg, and Hawkins.
Freygang, Walter H., Bloomfield, N. J., assignor to Kidde Manufacturing Co., Inc. Production of carbon dioxide snow. 2,493,759, Jan. 10.
Freyn Engineering Company, assignee: *See*—
Eaton, Wyman.
Koenig, Ernest H.
Rice, Owen R.
Tau, Bruce E.
Frez-O-Mat Corporation, assignee: *See*—
Rifkin, Milton, and Webster.
Friberg, Wallace H.: *See*—
Hunter, Robert H., and Friberg.
Frick, Charles E., assignee: *See*—
Jensen, James A.
Frick, Charles E., Jr., assignee: *See*—
Jensen, James A.
Frick, Charles W.: *See*—
Gardiner, Paul C., and Frick.
Frick, George P., Wayne, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control apparatus. 2,528,589, Nov. 7.
Frick, Harold L., Detroit, Mich., assignor to Hydraulic Brake Company. Fluid pressure actuated motor for vehicle brakes. 2,497,815, Feb. 14.
Frick, William H.: *See*—
Moecker, Henry, Jr., Frick, Meacham, and White.
Fricke, Edwin R., Brookings, S. Dak. Magazine socket wrench with nut ejector. 2,493,398, Jan. 3.
Frick, Guy B., assignee: *See*—
Jensen, James A.
Fricke, Guy C., Pleasantridge, and R. W. Sloane, Detroit, Mich., assignors to Bendix Aviation Corporation, South Bend, Ind. Carburetor. 2,503,036, Apr. 4.
Fridell, Francis O.: *See*—
Smith, Norman A., and Fridell.
Friden Calculating Machine Co., Inc., assignee: *See*—
Ellerbeck, Grant C.
Moody, John L.
Fridén, John H., Maplewood, assignor, by mesne assignments, to Sun Tube Corporation, Hillside, N. J. Trimming machine for cups and the like. 2,529,382, Nov. 7.
Friden, John H., Maplewood, assignor to The Sun Tube Corporation, Hillside, N. J. Collapsible tube having metallic lining with low lead pickup and making same. 2,532,804, Dec. 5.
Fridolph, Annette E., New York, N. Y. Hanger system and elements for flexible hangings. Re. 23,209, Mar. 21.
Fridolph, Annette E., New York, N. Y. Structural strip member for interior wall decoration. 2,496,910, Feb. 7.
Fridolph, Annette E., New York, N. Y. Decorative furniture panel construction. 2,508,506, May 23.
Fridolph, Annette E., New York, N. Y. Curtain hanger and hold-down. 2,522,509, Sept. 19.
Fridolph, Maude C., Los Angeles, Calif. Panty girdle, trunk, or the like. 2,522,510, Sept. 19.
Frie, George, assignor to Kramer Trenton Company, Trenton, N. J. Evacuating drip water from evaporating units of refrigerating equipment. 2,525,342, Oct. 10.
Fried, Josef: *See*—
Schwarzkopf, Otto, and Fried.
Wintersteiner, Oskar, and Fried.
Fried, Josef, New Brunswick, N. J., assignor, by mesne assignments, to William R. Warner & Co., Inc., New York, N. Y. 4,6-alpha-pyrone derivatives. 2,514,325, July 4.
Fried, Sherman, Chicago, Ill., and N. R. Davidson, Sierra Madre, Calif., assignors to the United States of America as represented by the United States Atomic Energy Commission. Method of preparation of neptunium trifluoride. 2,532,707, Dec. 5.
Friedberg, Albert, assignee: *See*—
Gilowitz, Benjamin.
Friedberg, Milton R.: *See*—
Finneburgh, Lewis H., Jr., Friedberg, and Turk.
Friedberg, Milton R., Cleveland Heights, assignor to The Gabriel Company, Cleveland, Ohio. Mount for fixed length automobile antenna. 2,495,517, Jan. 24.

Friedberg, Milton R., and L. H. Finneburgh, Jr., Cleveland Heights, and T. R. Finke, Euclid, assignors to The Gabriel Company, Cleveland, Ohio. Concealed antenna support. 2,499,137, Feb. 28.

Frieder, Albert, and P. Zuberbühler, assignors to Gesellschaft der Ludwig von Roll'schen Eisenwerke A. G. Giesserei Bern, Berne, Switzerland. Rope grip for aerial cableways. 2,523,107, Sept. 19.

Frieder, Leonard P.: *See*—
Anzalone, Ralph.
Finken, Walter S., and Frieder.

Frieder, Leonard P., Great Neck, and W. S. Finken, Brooklyn, N. Y., said Finken assignor to said Frieder. Tent. 2,497,596, Feb. 14.

Frieder, Leonard P., Great Neck, and W. S. Finken, Brooklyn, N. Y., assignors, by mesne assignments, to Reconstruction Finance Corporation. Pilot parachute. 2,505,954, May 2.

Frieder, Leonard P., Great Neck, and W. S. Finken, Brooklyn, N. Y., said Finken assignor to said Frieder. Parachute container of folded paper. 2,508,754, May 23.

Frieder, Leonard P., Great Neck, and W. S. Finken, Brooklyn, N. Y.; said Finken assignor to said Frieder. Release apparatus for load supports. 2,534,704, Dec. 19.

Friedl, Joseph, Milwaukee, Wis. Float valve. 2,524,699, Oct. 3.

Friedlander, Erich S., Sutton Coldfield, assignor to The General Electric Company, Limited, London, England. Alternating-current electric motor equipment. 2,503,718, Apr. 11.

Friedlander, William: *See*—
Haut, Fritz, and Friedlander.

Friedman, Aaron: *See*—
Von Losberg, Lester W., and Friedman.

Friedman, Alvin H., Bartlesville, Okla., assignor to Phillips Petroleum Company. Preparation of solid hydrocarbons. 2,500,533, Mar. 14.

Friedman, Alvin H., Bartlesville, Okla., assignor to Phillips Petroleum Company. Polymerization of olefins. 2,529,010, Nov. 7.

Friedman, Alvin H., Bartlesville, Okla., assignor to Phillips Petroleum Company. Distillation of fluorohydrocarbons. 2,534,905, Dec. 19.

Friedman, Arthur, Chicago, Ill. Rack for storing and transporting hook equipped clothes hangers. 2,530,609. Nov. 21.

Friedman, Dorothy L., assignee: *See*—
Friedman, Jack.

Friedman, Harold S., Jackson Heights, assignor to Reliable Machine Works, Inc., Brooklyn, N. Y. Tumbling drum for fur softening and cleaning machines. 2,531,676, Nov. 28.

Friedman, Harris L., and A. V. Tolstoouhov, New York, assignors to Pyridium Corporation, Yonkers, N. Y. Derivatives of 2-aminopyrimidines and producing the same. 2,500,283, Mar. 14.

Friedman, Harris L., New York, and L. D. Braitberg, Yonkers, assignors by mesne assignments, to Nepera Chemical Co., Inc., Nepera Park, N. Y. Alkoxy aminopyrimidines. 2,517,650, Aug. 8.

Friedman, Harry, Salt Lake City, Utah. Belt rack. 2,527,879, Oct. 31.

Friedman, Herbert: *See*—
Draeger, Rupert H., and Friedman.
Weisz, Paul.

Friedman, Herbert, Arlington, Va. Geiger-Mueller counter structure. 2,500,941, Mar. 21.

Friedman, Herbert, Arlington, Va. Voltage regulator. 2,523,287, Sept. 26.

Friedman, Herbert, Arlington, Va., and L. S. Birks, Washington, D. C. High temperature device for X-ray diffraction. 2,514,382, July 11.

Friedman, Jack, assignor of one-half to D. L. Friedman, St. Paul, Minn. Film hanger with tapering sides. 2,509,293, May 30.

Friedman, John H., assignor to The National Machinery Company, Tiffin, Ohio. Ring shearing machine. 2,518,433, Aug. 8.

Friedman, Leopold, assignor to De La Rue Gas Development Limited, London, England. Heat exchanger. 2,512,540, June 20.

Friedman, Maurice, Ossining, N. Y., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Terminal construction for primary cells. 2,495,247, Jan. 24.

Friedman, Raymond: *See*—
Berberich, Leo J., and Friedman.

Friedman, Raymond, Madison, Wis., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Sonic method for control of air in ice cream. 2,508,152, May 16.

Friedman, Theodore, New York, N. Y. Retaining body having a shouldered recess for a mirror or the like. 2,500,897, Mar. 14.

Friedman, Thomas B., Cleveland Heights, Ohio, assignor of one-half to Irwin F. Mills Associates, New York, N. Y. Antenna attaching device. 2,496,938, Feb. 7.

Friedman, Werther, assignor to Hy, Herbert, and L. Perlman, a partnership doing business as Hy Perlman & Co., New York, N. Y. Slip. 2,497,938, Feb. 21.

Friedman, William F., Washington, D. C. Authenticating device. 2,518,458, Aug. 15.

Friedrich, Conrad W., Irvington, N. J. Pneumatic surfboard. 2,513,857, July 4.

Friedrich, Ed, Inc., assignee: *See*—
Hardin, Hubert.
Pabst, Richard E.
Spangler, George E.

Friedrich, Eitel J., London, Ohio. Torque measuring device. 2,493,758, Jan. 10.

Friedrich, Ferdinand W., Boonville, Mo. Bale loader. 2,507,627, May 16.

Friel, Harold C., Hoosick Falls, N. Y. Apparatus for manufacture of stereotype dry mats and similar multilayer sheet materials. 2,501,716, Mar. 28.

Friend, Albert W., Collingswood, N. J., assignor to Radio Corporation of America. Voltage rectifying circuit. 2,499,484, Mar. 7.

Friend, Albert W., Collingswood, N. J., assignor to Radio Corporation of America. Transformer. 2,513,160, June 27.

Friend, Albert W., Collingswood, N. J., assignor to Radio Corporation of America. Core structure. 2,513,161, June 27.

Friend, Albert W., Lawrenceville, N. J., assignor to Radio Corporation of America. Deflection of electron beams. 2,523,108, Sept. 19.

Friend, David S.: *See*—
Newman, Robert J., and Friend.

Friend, Dawson, and L. J. Smith, assignors to Stant Manufacturing Company, Connersville, Ind. Fillercap vent construction. 2,504,072, Apr. 11.

Friendlich, Morton, Bronx, N. Y. Device for making suds. 2,502,140, Mar. 28.

Frier, Billy E., Brookfield, Ill., assignor to General Motors Corporation, Detroit, Mich. Wheel slip relay and wiring. 2,516,198, July 25.

Fries, Adam J.: *See*—
Hoffman, Edward J., Hardy, and Fries.

Fries, Bernard A., El Cerrito, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Recovery of C^{14} activities. 2,532,490, Dec. 5.

Friesen, Jacob A., Avon, S. Dak. Invalid support. 2,526,466, Oct. 17.

Frigid Transport Company, Inc., assignee: *See*—
Gilmore, Forrest E.
Hopp, Harold C.

Frimet, Maurice, Staten Island, N. Y. Jack. 2,503,328, Apr. 11.

Frink, Frederick W., East Orange, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Automatic direction finder. 2,502,447, Apr. 4.

Frink, Frederick W., East Orange, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Panoramic receiving system. 2,520,138, Aug. 29.

Frink, Frederick W., East Orange, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Direction finder system. 2,523,288, Sept. 26.

Frink, Marilyn E.: *See*—
Trempel, Larry G., and Frink.

Frink, Russell E., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Magnetic blowout circuit breaker. 2,501,323, Mar. 21.

Frisbie, Stewart E., Danville, and G. E. Weeks, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Electrical testing apparatus. 2,507,565, May 16.

Frisbie, Stewart E., Danville, and G. E. Weeks, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Electrical testing apparatus. 2,507,566, May 16.

Frisbie, Marshall H., Hamden, assignor to The A. C. Gilbert Company, New Haven, Conn. Circuit controlling attachment for toy tracks. 2,515,209, July 18.

Frisch Corporation, assignee: *See*—
Frisch, Joseph P.

Frisch, Erling, Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Tension control system. 2,508,154, May 16.

Frisch, Erling, and W. O. Osbon, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Tension control system. 2,508,153, May 16.

Frisch, Erling, and W. O. Osbon, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Wide speed range control. 2,512,322, June 20.

Frisch, Hans R., Caterham, England. Production of complex inorganic compounds and application thereof. 2,530,458, Nov. 21.

Frisch, Joseph P., assignor to Frisch Corporation, Chicago, Ill. Edge bonding machine. 2,526,342, Oct. 17.

Frisch, Martin, assignor to Foster Wheeler Corporation, New York, N. Y. Vapor generator. 2,518,459, Aug. 15.

Frisch, Martin, assignor to Foster Wheeler Corporation, New York, N. Y. Vapor generating apparatus with automatic fuel control. 2,527,539, Oct. 31.

Frisch, Otto R.: *See*—
Sands, Matthew L., Frisch, and Elmore.

Frischer, Blanche, New York, N. Y. Foundation garment. 2,527,926, Oct. 31.

Frischmann, Joseph A., assignor to Towmotor Corporation, Cleveland, Ohio. Hose support for lift trucks. 2,513,928, July 4.

Frise, Leslie G., assignor to The Bristol Aeroplane Company Limited, Bristol, England. Power operated gun turret for aircraft. 2,519,129, Aug. 15.

Frisell, Ernest, assignee: *See*—
Vitek, Charles.
Frisk, Joseph, Leadington, assignor of one-third to B. H. Peterson and one-third to O. L. Hise, Flat River, Mo. Bait casting reel. 2,501,039, Mar. 21.
Frisk, Nils P. W., Stockholm, and S. W. Wallin, Jonkoping, assignors to A. B. Svenska Flaktfabriken, Stockholm, Sweden. Device for blowing air into a room. 2,528,130, Oct. 31.
Frisk, Walter E., assignor to Montgomery Ward & Co., Incorporated, Chicago, Ill. Watch stem trimming apparatus. 2,513,635, July 4.
Friswold, Frank A., Lakewood, and R. D. Lewis, Parma, Ohio. Dew point hygrometer. Re. 23,287, Oct. 24.
Frito Company, The, assignee: *See*—
Gunderson, Willard R.
Fritsch, Herman: *See*—
White, Howard T., Fritsch, and Di Filippo.
Fritsch, John W., Allentown, Pa., assignor to Radio Corporation of America, New York, N. Y. Turret-top television cabinet. 2,499,579, Mar. 7.
Fritsch, Rudolph E., Louisville, Ky. Making pipe fittings. 2,500,813, Mar. 14.
Fritscher, Frank, assignor of one-half to T. J. Austin, Portola, Calif. Fishhook setting device. 2,504,822, Apr. 18.
Fritts, Morris, Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Terminal strip for electrical interconnections. 2,534,-864, Dec. 19.
Fritz, Clifford R., Milwaukee, Wis. Vehicle. 2,503,106, Apr. 4.
Fritzinger, George H., assignee: *See*—
Kendall, Harold G.
Fritzinger, George H., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Uniform scale electrical ratio instrument. 2,498,261, Feb. 21.
Fritzinger, George H., West Orange, N. J., assignor of one-half to H. G. Kendall, Brooklyn, N. Y. Device for using adhesive tape. 2,501,324, Mar. 21.
Fritzinger, George H., West Orange, N. J., assignor of one-half to H. G. Kendall, Brooklyn, N. Y. Device for using tape. 2,511,857, June 20.
Fritzsch, Frank A., assignor to The Lodge and Shipley Company, Cincinnati, Ohio. Metal working apparatus. 2,496,663, Feb. 7.
Fritzsch, Frank A., assignor to The Lodge and Shipley Company, Cincinnati, Ohio. Automatic lathe control. 2,497,302, Feb. 14.
Froehlich, Kurt: *See*—
Grieshaber, Emil, and Froehlich.
Froelich, Herman C., Cleveland Heights, Ohio, assignor to General Electric Company. Making an improved erythemal phosphor. 2,512,270, June 20.
Froelich, Herman C., Cleveland Heights, Ohio, assignor to General Electric Company. Stabilizing phosphors. 2,523,005, Sept. 19.
Froelich, Herman C., Cleveland Heights, Ohio, assignor to General Electric Company. Preparation of silicate phosphors, including firing in the presence of steam. 2,525,028, Oct. 10.
Froese, Frank P., Winnipeg, Manitoba, Canada. Disk grinding machine. 2,498,951, Feb. 28.
Froggatt, Robert E., Erdington, England. Appliance for dual heading of hollow rivets. 2,535,403, Dec. 26.
Frohlich, Adolf, Balsthal, assignor to Gesellschaft der Ludw. von Roll'schen Eisenwerke A. G., Gerlafingen, Switzerland. Pneumatic tire making machine. 2,503,815, Apr. 11.
Frohmader, Stanley H., assignor to Research Products Corporation, Madison, Wis. Ion exchange material and making the same. 2,529,602, Nov. 14.
Frohock, Warren S., Danvers, assignor to Sylvania Electric Products Inc., Salem, Mass. Instant start lamp and circuit. 2,513,091, June 27.
Frola, Joseph F., Braddock, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Measuring apparatus for load compensating fluid pressure brake equipment. 2,501,717, Mar. 28.
Frola, Joseph F., Braddock, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake slack adjusting apparatus. 2,505,238, Apr. 25.
Froland, Olav: *See*—
Schindler, Carl, and Froland.
Frolander, Frank C., Elizabeth, N. J., assignor to Mergenthaler Linotype Company. Knife wiper for typographical slug casting machines. 2,505,285, Apr. 25.
Frolander, Frank C., Elizabeth, N. J., and R. R. Mead, Queens Village, N. Y., assignors to Mergenthaler Linotype Company. Typographical distributing machine. 2,523,109, Sept. 19.
Frolich, Per K.: *See*—
Banes, Fred W., and Frolich.
Gleason, Anthony H., Frolich, and Sparks.
Sparks, William J., Gleason, and Frolich.
Frolich, Per K., Westfield, N. J., assignor to Standard Oil Development Company. Fuel cell. 2,497,123, Feb. 14
Frolich, Per K., Westfield, N. J., assignor to Standard Oil Development Company. Plasticizing isobutylene-diolefin rubber. 2,510,808, June 6.
Frolich, Per K., Westfield, N. J., assignor, by mesne assignments, to Jasco, Incorporated. Modifying agents for use in low-temperature polymerization reactions. 2,523,289, Sept. 26.
Frolich, Per K., and B. M. Vanderbilt, Westfield, and M. W. Swaney, Cranford, N. J., assignors to Standard Oil Development Company. Emulsion polymerization process and product. 2,500,983, Mar. 21.
From, Owen C., East Orange, N. J., assignor to Federal Telephone & Radio Corporation, New York, N. Y. Impulse transmitter test instrument. 2,498,669, Feb. 28.
Fromageot, Antoine, Paris, France, assignor to International Standard Electric Corporation, New York, N. Y. Frequency and phase modulation. 2,516,862, Aug. 1.
Froman, Darol K., Denver, Colo., assignor to the United States of America as represented by the United States Atomic Energy Commission. Voltage supply circuit for vacuum tubes. 2,517,863, Aug. 8.
Froman, Darol K., Denver, Colo., assignor to the United States of America as represented by the United States Atomic Energy Commission. Voltage regulation and supply. 2,535,355, Dec. 26.
Fromm, Herbert, Jumbo Gardens, Ontario, Canada. Fruit juice extractor oscillatory strainer. 2,510,809, June 6.
Frommer, Ben, assignor to Rose Marx Brassieres Ltd., Toronto, Ontario, Canada. Brassière. 2,507,704, May 16.
Frommel, Edouard, assignor to Laboratoire Sanos S. A., Geneva, Switzerland. Organo-metallic complexes and making the same. 2,513,793, July 4.
Frommer, Eugene, New York, N. Y. Threading toolholder. 2,530,162, Nov. 14.
Frommer, Joseph C., Cincinnati, Ohio, assignor to Electric Eye Equipment Company, Danville, Ill. Electronic visual inspection device having spaced phototubes. 2,499,910, Mar. 7.
Frommer, Joseph C., assignor to Clippard Instrument Laboratories, Inc., Cincinnati, Ohio. Vacuum tube voltmeter with balanced input shunt diode. 2,501,769, Mar. 28.
Frommer, Joseph C., Cincinnati, Ohio. Method of and device for detecting physical quantities. 2,517,554, Aug. 8.
Frontalini, Alfredo, Numana, Italy. Resonant chamber for accordions. 2,502,085, Mar. 28.
Froom, Randall E., Glendale, Calif. Fuel tank construction. 2,500,535, Mar. 14.
Froom, Randall E., Glendale, Calif. Device for attaching propeller spinners. 2,534,662, Dec. 19.
Frossard, Jesse, Iowa Falls, Iowa. Collapsible monument model. 2,514,232, July 4.
Frost, Austin M., Nunda, assignor to The Carborundum Company, Niagara Falls, N. Y. Abrasive wheel. 2,516,693, July 25.
Frost, Edward L., Snyder, N. Y., assignor to The Linde Air Products Company. Submerged melt electric welding. 2,511,976, June 20.
Frost, Edgar D., Coventry, assignor to Humber Limited, Stoke, Coventry, England. Synchromesh change-speed gearing. 2,495,411, Jan. 24.
Frost, Frank E., Chicago, assignor of one-half to K. T. Snow, Oak Park, Ill. Cap screw. 2,517,476, Aug. 1.
Frost, Frederick H., Portland, Maine, assignor to S. D. Warren Company, Boston, Mass. Coated paper and making same. 2,520,900, Sept. 5.
Frost, Frederick H., Portland, Maine, assignor to S. D. Warren Company, Boston, Mass. Paper base planographic printing plate. 2,534,588, Dec. 19.
Frost, George E., Arlington, Va. Torque responsive device. 2,509,222, May 30.
Frost, Jack, Dallas, and R. Hermes, Midland, Tex. Multiple passage pipe sections for oil well drills or the like. 2,494,803, Jan. 17.
Frost, Leon J.: *See*—
Comstock, George F., and Frost.
Frost, Robert M., San Diego, Calif. Garment hanger. 2,501,167, Mar. 21.
Frost, Walter S., assignor to Burnham Soluble Iodine Company, Auburndale, Mass. Treatment of waters for human consumption and iodine-diglycine hydriodide composition useful in such treatment. 2,517,651, Aug. 8.
Froussard, Albert F., St. Louis, Mo. Machine bearing protecting device. 2,524,381, Oct. 3.
Frueh, John J., Maywood, Calif. Sliding door mechanism. 2,532,491, Dec. 5.
Fruen, John D., Minneapolis, Minn. Water cooler. 2,509,294, May 30.
Fruhling, Frederick H., assignor to Continental Equipment Corporation, Milwaukee, Wis. Delivery mechanism for bottle-washing machines. 2,533,784, Dec. 12.
Fruit Growers Express Company, assignee: *See*—
Sweeley, Edward A., and Anderson.
Thompson, Clifford J.
Frum, Alexander, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Homing beacon indicator. 2,502,448, Apr. 4.
Frum, Alexander, assignor to International Standard Electric Corporation, New York, N. Y. Automatic volume control system. 2,510,097, June 6.
Frumkin, Morris L., Nashville, Tenn. Bottle with temperature indicator. 2,505,037, Apr. 25.
Fruns, José, Hermosillo, Mexico. Necktie clip knotter. 2,528,356, Oct. 31.
Frush, Harriet L.: *See*—
Isbell, Horace S., and Frush.
Frushour, Russel E., assignor to South Bend Lathe Works, South Bend, Ind. Tool turret. 2,534,432, Dec. 19.

Fry, Anna W., St. Louis, Mo., assignor to Itsa Manufacturing Co. Transversely adjustable tongue and groove interfitting brush holder clamp. 2,514,571, July 11.
Fry, Ben L., assignor to Itsa Mfg. Co., St. Louis, Mo. Door slam muffler. 2,526,467, Oct. 17.
Fry, Benjamin: *See*—
Gottfried, John, and Fry.
Fry, Bonnie M., Shafter, Calif. Calf feeding device. 2,506,205, May 2.
Fry, Douglas J.: *See*—
Kendall, John D., and Fry.
Fry, Elwood, and H. Fasenmyer, Warren, Pa. Apparatus for molding concrete septic tanks. 2,527,717, Oct. 31.
Fry, Ethel H., Silverton, Oreg. Making aprons. 2,503,107, Apr. 4.
Fry, Francis J., Champaign, Ill., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,530,952, Nov. 21.
Fry, Harry J., Sault Ste. Marie, Ontario, Canada. Fishing rod handle. 2,535,404, Dec. 26.
Fry, Horace P., Jr., Swarthmore, Pa., assignor to American Viscose Corporation, Wilmington, Del. Heating means. 2,516,199, July 25.
Fry, Sam A.: *See*—
Keck, William G., and Fry.
Fry, Stanley S., assignor to Fansteel Metallurgical Corporation, North Chicago, Ill. Dry plate selenium rectifier. 2,493,241, Jan. 3.
Fry, Stanley S., assignor to Fansteel Metallurgical Corporation, North Chicago, Ill. Rectifier. 2,514,044, July 4.
Fry, William E.: *See*—
Wick, Harry J., and Fry.
Frydman, Emanuel, assignor to Automatic Telephone & Electric Company Limited, Liverpool, England. Electromagnetic relay. 2,499,216, Feb. 28.
Frye, De Moine H., assignor to L. T. Swallow, Detroit, Mich. Reusable pallet bin. 2,534,010, Dec. 12.
Frye, De Moine H., Detroit, Mich., assignor to L. T. Swallow. Reusable pallet bin. 2,534,011, Dec. 12.
Frye, Drexel S., assignor to Drexel Enterprises, Inc., Litchfield, Conn. Clothesbrush. 2,526,468, Oct. 17.
Frye, Eugene R., Akron, Ohio, assignor to The United States Stoneware Company. Material-tumbling assembly. 2,525,663, Oct. 10.
Frye, George: *See*—
Oliver, Roy, and Frye.
Frye, Robert P., Marlboro, Mass. Sportsman's knife. 2,496,707, Feb. 7.
Frye, Sanders A., Westerville, Ohio, assignor, by mesne assignments, to American Machine and Foundry Company, Brooklyn, N. Y. Bowling pin raising and lowering mechanism. 2,530,385, Nov. 21.
Frye, Veryl F.: *See*—
Gierke, Walter W., Brownsey, and Frye.
Frye, William N., Petersburg, W. Va. Method and apparatus for drying textile materials by high-frequency electric fields. 2,511,839, June 20.
Fryer, Louis S., Cleveland, P. J. E. Anderson, Lakewood, and W. J. Jokilehto, Ashtabula, assignors to Industrial Rayon Corporation, Cleveland, Ohio. Apparatus for processing thread in the form of a package. 2,498,540, Feb. 21.
Fryer, Ross L., Jr.: *See*—
Day, William M.
Frykberg, John: *See*—
Natzke, Alfred G., Willetts, and Frykberg.
Frykdahl, Carl E. H., St. Louis, assignor to The Coolerator Company, Duluth, Minn. Hinge. 2,495,371, Jan. 24.
Fryklund, Robert A., Somerville, Mass., assignor to Raytheon Manufacturing Company. Apparatus for driving flexible members. 2,498,990. Feb. 28.
Fryklund, Robert A., Somerville, and J. N. Beebe, West Roxbury, Mass., assignors to Raytheon Manufacturing Company. Sound ranging distance measuring system. 2,502,938. Apr. 4.
Frynta, Vilém, Librantice, Trebachovice P. O., assignor of one-half to Skoda Works, National Corporation, Pilsen, Czechoslovakia. Arrangement for continuous diffusion. 2,502,939, Apr. 4.
Fua, Frédéric, assignor to X-Ray Electronic Corporation, New York, N. Y. X-ray testing and measuring method and apparatus. 2,530,517, Nov. 21.
Fua, Frederic, New York, N. Y., and R. C. Woods, Montclair, N. J., assignors to X-ray Electronic Corporation, New York, N. Y. Antimagnetically shielded photocell. 2,512,247, June 20.
Fua, Frederic, New York, N. Y., and R. C. Woods, Montclair, N. J., assignors to Standard Electronic Research Corporation, New York, N. Y. Measuring and testing method and apparatus employing X-rays. 2,525,292, Oct. 10.
Fuchs, Bedřich, Prague, Czechoslovakia. Copyholder. 2,533,727. Dec. 12.
Fuchs, Charles F., assignor to The Emulsol Corporation, Chicago, Ill. Preparing acylated hydroxypolycarboxylic acid anhydrides. 2,520,139. Aug. 29.
Fuchs, Guerchon, assignor to Societe Anonyme de Télécommunications, Paris, France. Reducing the far-end crosstalk between concentric pairs due to tertiary circuits. 2,526,942, Oct. 24.
Fuchs, Henry, assignor to W. H. Miner, Inc., Chicago, Ill. Shock absorber for railway car trucks. 2,534,433, Dec. 19.
Fuchs, Henry O.: *See*—
Beemer, Paul K., and Fuchs.
Fuchs, Rudolf, Weinfelden, assignor to Gebruder Buhler, Uzwil, Switzerland. Belt-elevator overload throwout clutch. 2,529,011, Nov. 7.
Fuchs, Walter M., New York, N. Y. Pentaerythritol. 2,501,865, Mar. 28.
Fuchs, Walter M., New York, N. Y., and E. Gavatin, Stockholm, Sweden; said Gavatin assignor to said Fuchs. Preparing flameproofing glycol monosulfates. 2,511,911, June 20.
Fuchs, William F., assignor to Sampsel Time Control, Inc., Spring Valley, Ill. Vibration-proof thermostatic switch. 2,493,190, Jan. 3.
Fudge, Lawrence K., Berthoud, Colo., assignor to A. B. Pickands, Chicago, Ill. Fowl slaughtering device. 2,518,231, Aug. 8.
Fuehrer, George H., Los Angeles County, Calif. Self-centering chuck. 2,513,858, July 4.
Fuelling, Charles W., Fort Wayne, Ind. Concrete mixer and hoist. 2,520,033, Aug. 22.
Fuener, Wilhelm V.: *See*—
Michael, Wilhelm, Goehre, Free, Fuener, and Schneider.
Fuerst, Carl C., assignor to Eastman Kodak Company, Rochester, N. Y. Camera shutter trigger lock. 2,494,042, Jan. 10.
Fuerst, Carl C., assignor to Eastman Kodak Company, Rochester, N. Y. Bulb exposure mechanism for setting shutters. 2,507,148, May 9.
Fuerst, Carl C., assignor to Eastman Kodak Company, Rochester, N. Y. Two-blade setting type shutter. 2,507,149, May 9.
Fuerst, Carl C., assignor to Eastman Kodak Company, Rochester, N. Y. Focusing stop mechanism for camera shutters. 2,507,150, May 9.
Fuerst, Carl C., assignor to Eastman Kodak Company, Rochester, N. Y. Automatic high-speed symmetrical blade and cover blind shutter. 2,511,201, June 13.
Fuerst, Carl C., assignor to Eastman Kodak Company, Rochester, N. Y. Direct-acting shutter for cameras. 2,524,786, Oct. 10.
Fuerst, Carl C., assignor to Eastman Kodak Company, Rochester, N. Y. Impact latch to prevent rebound in camera shutter leaves. 2,533,450, Dec. 12.
Fugate, Ray J., Brazil, Ind. Kite construction. 2,518,768, Aug. 15.
Fuge, Harry B., Somerville, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Regulating system. 2,510,467, June 6.
Fuge, Harry B., Somerville, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Two-speed motor drive with positive stop. 2,510,468, June 6.
Fuhr, Henry, Milwaukee, Wis. Adjustable vise-jaw unit removably supported by bed of fixed jaw. 2,526,020, Oct. 17.
Fuhrhop, Wilhelm F., and H. Van Issum, London, England. Making pile fabrics. 2,516,559, July 25.
Fujisaki, Yohei, Tokyo, Japan. Slide rule. 2,512,458, June 20.
Fukal, Alfred F., Cambridge, assignor to Franklin Sales & Manufacturers, Inc., Columbus, Ohio. Combined cigarette case and lighter. 2,529,150, Nov. 7.
Fukal, Alfred F., Cambridge, Ohio, assignor to Continental Can Company, Inc., New York, N. Y. Powder dispensing can and holder therefor. 2,535,847, Dec. 26.
Fuke, Francis C., assignor to British Mechanical Productions Limited, Leatherhead, England. Rocker-arm snap switch. 2,533,571, Dec. 12.
Fulboam, Elsie G., Andover, N. J. Indicating instrument. 2,511,202, June 13.
Fulbright, Harry W., Princeton, N. J., assignor to the United States of America as represented by the United States Atomic Energy Commission. Apparatus for controlling magnetic fields. 2,507,301, May 9.
Fulke, Frank L., Terre Haute, Ind. Mining machine. 2,533,572, Dec. 12.
Fulkerson, Archie P., assignor to Henry Vogt Machine Company, Louisville, Ky. Tube ice machine. 2,496,155, Jan. 31.
Fulkerson, Volney E., Portland, Oreg. Photograph negative etching tool. 2,493,128, Jan. 3.
Fuller, Carl T., Billings, Mont. Rodent trap. 2,496,708, Feb. 7.
Fuller, Chester J., Long Beach, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Tank hanger. 2,505,955, May 2.
Fuller Company, assignee: *See*—
Lenhart, Herbert S.
Morrow, Joseph H.
Fuller, Cyril E., Pringle, S. Dak. Stock handling apparatus. 2,522,170. Sept. 12.
Fuller, Don, Ogden, Utah. Automobile glare eliminator. 2,509,601, May 30.
Fuller, Edward D., assignor to The Visking Corporation, Chicago, Ill. Film and composition therefor. 2,499,486, Mar. 7.
Fuller, Everett W.: *See*—
Berger, Henry G., and Fuller.
Richter, Frederick P., and Fuller.
Fuller, George L., Miami, Fla. Automatic self-closing window. 2,527,989, Oct. 31.
Fuller, Leon B.: *See*—
Beardsley, Robert O., and Fuller.

Fuller, Leon B., assignor to Jones & Lamson Machine Company, Springfield, Vt. Specimen holder for comparators. 2,506,498, May 2.
Fuller, Leonard, assignee: *See*—
Szper, Jonas A.
Fuller Manufacturing Company, assignee: *See*—
Trail, Herbert H.
Fuller, Marion G., assignor to Dempster Mill Manufacturing Company, Beatrice, Nebr. Seeding apparatus. 2,523,208, Sept. 19.
Fuller, Paul M., Buffalo, N. Y. Fishing reel. 2,501,466, Mar. 21.
Fuller, Reginald C., Brighton, England. Electrical means for operating fluid pressure indicating gauges and signaling devices. 2,515,867, July 18.
Fulmer, Charles A., Fort Thomas, Ky. Cylinder grinding machine. 2,521,210, Sept. 5.
Fulmer, Earl M., assignor of one-half to J. E. Romero, Denver, Colo. Bottle dispensing cabinet. 2,506,717, May 9.
Fulmer, Norman C., Montclair, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Vapor-electric device. 2,495,165, Jan. 17.
Fulmer, Norman C., Montclair, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Photoelectric device. 2,512,146, June 20.
Fulmer, Norman C., and J. J. Mason, Montclair, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Noninductive resistor especially adapted for high-frequency power. 2,498,755, Feb. 28.
Fulpit Company, The, assignee: *See*—
Schneider, Roland.
Fulton, Alfred C., assignor to The Dunne Rubber Company, Ashtabula, Ohio. Treating rubber. 2,500,352, Mar. 14.
Fulton, Barbara S., executrix: *See*—
Fulton, Weston M.
Fulton, Carroll B., San Antonio, Tex. Vehicle spring. 2,511,254, June 13.
Fulton, Carroll B., San Antonio, Tex. Tank construction. 2,513,636, July 4.
Fulton Company, The, assignee: *See*—
Riemann, Howard C.
Riemann, Howard C., and Bolmes.
Thorp, Joel R.
Fulton, David, Elmhurst, assignor to The Lummus Company, New York, N. Y. Ammonia distillation. 2,519,451, Aug. 22.
Fulton, Garland, Cynwyd, Pa. Eyeshade. 2,517,864. Aug. 8.
Fulton, Harry E., Bernardsville, N. J. Toilet flushing device. 2,508,667, May 23.
Fulton, Harry L., Pueblo, Colo. Two-way sewer cleanout fitting. 2,506,206, May 2.
Fulton, Henry R.: *See*—
Powell, Joseph R., and Fulton.
Fulton, Howard A.: *See*—
Smith, Harry F., and Fulton.
Fulton Iron Works Company, assignee: *See*—
Calhoun, Leslie D.
Fulton, Jack A., Ironton, Pa. Curve for drawing ellipses. 2,512,492, June 20.
Fulton, Robert A., and J. H. Fales, Silver Spring, Md., dedicated to the free use of the people in the territory of the United States. Aerosol dispensing nozzle. 2,517,555, Aug. 8.
Fulton, Robert E., Jr.: *See*—
Alvarez, Octavio J., and Fulton, Jr.
Fulton, Robert E., Jr., assignor to Continental, Incorporated, Washington, D. C. Roadable airplane. 2,532,159, Nov. 28.
Fulton, Robert E., Jr., assignor to Continental, Incorporated, Washington, D. C. Roadable airplane. 2,533,925, Dec. 12.
Fulton, Robert E., Jr., Washington, D. C., and O. J. Alvarez, New York, N. Y., assignors to Continental, Incorporated, Washington, D. C. Roadable airplane. 2,509,095, May 23.
Fulton, Robert E., Jr., Washington, D. C., and O. J. Alvarez, New York, N. Y., assignors to Continental, Incorporated, Washington, D. C. Hub mounting for propellers on roadable airplanes. 2,509,096, May 23.
Fulton, Robert E., Jr., Washington, D. C., and O. J. Alvarez, New York, N. Y., assignors to Continental, Incorporated, Washington, D. C. Wheel brake control linkage for roadable airplanes. 2,512,928, June 27.
Fulton, Robert R., assignor to Armour and Company, Chicago, Ill. Preparation and packing of chopped meats. 2,535,405, Dec. 26.
Fulton, Robert W., executor: *See*—
Fulton, Weston M.
Fulton, Stephen M.: *See*—
Slocombe, Basil G. B., and Fulton.
Fulton, Weston M., deceased; B. S. Fulton, J. H. Murrian and R. W. Fulton, executors, assignors to W. J. Savage Company, Knoxville, Tenn. Rotary-type burner for solid fuels. 2,496,156, Jan. 31.
Fulton, William T., Tacoma, Wash. Grapple. 2,534,512, Dec. 19.
Fultz, Wilford B., Graham, Tex. Apparatus for discharging viscous liquids in a well. 2,526,021, Oct. 17.
Fumagalli, Charles, Guatemala, Guatemala. Variable propeller. 2,533,785, Dec. 12.
Funderburg, Paul E., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Picture and sound transmitter. 2,504,972, Apr. 25.
Funderburk, Frank, Thomasville, Ga. Cylinder and concave means for shelling peanuts. 2,493,533, Jan. 3.
Fundingsland, Laurence O., Burlington, Colo. Rotatable rod weeder attachment for chisel plows. 2,528,270, Oct. 31.
Fundom, Earl H., Kenton, Ohio. Silencer. 2,514,998, July 11.
Funk, Cecil R., Highland Park, Mich. Stapling machine and process. 2,508,942, May 23.
Funk, Charles E., Jr., Cos Cob, Conn., assignor to American Cyanamid Company, New York, N. Y. Lubricating compositions. 2,535,024, Dec. 26.
Funke, Wilhelm: *See*—
Vollmer, Mathilda C., and Funke.
Funkhouser, Mearick, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Shock absorber. 2,498,802, Feb. 28.
Fuqua, Mack C., Baton Rouge, La., assignor to Standard Oil Development Company. Sulfuric acid recovery. 2,530,953, Nov. 21.
Fuqua, Robert L., Portsmouth, Va. Drafting instrument. 2,522,030, Sept. 12.
Furblo Company, assignee: *See*—
Marcoe, Reuben J.
Furby, Neal W.: *See*—
Denison, George H., Jr., Furby, and Bolt.
Furczyk, Alfons A., assignor to Selas Corporation of America, Philadelphia, Pa. Separating device for removing from a gaseous fluid another fluid in liquid phase. 2,513,556, July 4.
Furedy, Frank, Chicago, and C. E. Atkins, Elgin, assignors to Sun-Kraft, Inc., Chicago, Ill. Radio-frequency oscillator for ultraviolet ray generators. 2,510,017, May 30.
Furer, Edward, assignee: *See*—
Shea, Robert P.
Shea, Robert P., Jarosch, Dunn, and Love.
Furman, Eugene C., Hampton, R. E. Furman, Norfolk, and E. F. Heard, Hampton, Va.; said Heard assignor to said E. C. and R. E. Furman. Repairing old pipe lines. 2,522,171, Sept. 12.
Furman, Frank J.: *See*—
Mills, Albert W., Furman, and Habenda.
Furman, Robert E., assignee: *See*—
Furman, Eugene C. and R. E., and Heard.
Furminger, William, Seattle, Wash., assignor to Continental Can Company, Inc., New York, N. Y. Feeder for collapsed can bodies. 2,535,848, Dec. 26.
Furn, Hans H., assignee: *See*—
Clark, Winslow B. M.
Furnas Electric Company, assignee: *See*—
Koertge, Nobel H., and Rucks.
Furnas, James H., Muscatine, Iowa. Chore box for transport. 2,524,048 Oct. 3.
Furnel, Incorporate, assignee: *See*—
Nelson, Erdick H.
Furnoy, Richard J., Los Angeles, Calif., assignor to Socony-Vacuum Oil Company, Incorporated. Deasphalting petroleum oils with porous contact material. 2,521,357, Sept. 5.
Furst, Paul L., Wichita, Kans. Siding form. 2,510,810, June 6.
Futrell, Harry T.: *See*—
Abramson, Albert, and Futrell.
Futterman, Julius, assignor of one-half to J. C. Ehrlich, New York, N. Y. High-voltage pulse generator and circuits therefor. 2,505,667, Apr. 25.
Futura Fabrics Corporation, assignee: *See*—
Bassist, Rudolph.
Fyffe, Robert J., Perth Amboy, assignor to The M. W. Kellogg Company, Jersey City, N. J. Air inlet arrangement for combustion chamber flame tubes. 2,531,810, Nov. 28.
Fyler, George W., Lombard, assignor to Motorola, Inc., Chicago, Ill. Saw-tooth voltage generator. Re. 23,206, Mar. 14.
Fyler, George W., Lombard, Ill., assignor to General Electric Company. Television intercarrier or sound receiver circuit. 2,498,488, Feb. 21.
Fyler, George W., Lombard, Ill., assignor to Motorola, Inc. Television receiver antenna input circuit. 2,530,329. Nov. 14.
Fyr-Fyter Company, The, assignee: *See*—
Bork, Edward R.
G and A Laboratories, Inc., assignee: *See*—
Hasselstrom, Torsten, and Brennan.
G & G Precision Works, Inc., assignee: *See*—
Cloud, Jerry L.
GI's Incorporated of Portland, Maine, assignee: *See*—
Altenburg, William M.
G. and M. Equipment Company, assignee: *See*—
Moore, Herbert B.
G-M Laboratories, Inc., assignee: *See*—
Kitto, William H., and McMaster.
Gaab, Mathias P., Mandan, N. Dak. Juvenile beacon hat. 2,505,537, Apr. 25.
Gabel, Charles, Hawkeye, Iowa. Rubber ring expanding tool. 2,528,508, Nov. 7.
Gabel, Charles, Hawkeye, Iowa. Tractor seat having spring mounting. 2,533,573, Dec. 12.

Gaboury, Eugene, Detroit, Mich. Overhead conveyer trolley. 2,517,652, Aug. 8.

Gabriel, Adam, River Forest, assignor, by mesne assignments, to Acme Industrial Hydraulics, Inc., Chicago, Ill. Hydraulic rotary motor of the radially sliding abutment type. 2,507,151, May 9.

Gabriel Company, The, assignee: *See*—
Beecher, Eugene L.
Finke, Theodore R.
Finneburgh, Lewis H., Jr., Friedberg, and Turk.
Finneburgh, Lewis H., Jr., and Weiss.
Friedberg, Milton R.
Friedberg, Milton R., Finneburgh, and Finke.
Kieber, William H.
Patriquin, William G.

Gabriel, John P., St. Paul, Minn. Safety attachment for rowboats and the like. 2,494,804, Jan. 17.

Gabrielsen, Christian, assignor to The Rowe Manufacturing Co., Inc., Whippany, N. J. Operating bar for vending machines. 2,494,805, Jan. 17.

Gabrielson, Carl O., assignor to Mo och Domsjo Aktiebolag, Ornskoldsvik, Sweden. Air-entrained concrete and making. 2,510,776, June 6.

Gacki, Leonard W., Jamaica, N. Y., assignor to Fairchild Camera and Instrument Corporation. Intervalometer. 2,529,728, Nov. 14.

Gacki, Leonard W., and C. J. Brasser, assignors to Fairchild Camera and Instrument Corporation, Jamaica, N. Y. Camera. 2,517,781, Aug. 8.

Gadalowitz, Harry, Brooklyn, N. Y. Reinforced crotch for men's underwear. 2,532,805, Dec. 5.

Gaddie, John D., Weslaco, Tex. Fruit stemming and decapping machine. 2,527,182, Oct. 24.

Gaddie, John D., Weslaco, Tex. Apparatus for stemming fruits and berries. 2,527,303, Oct. 24.

Gaddini, Norman E., Winters, Calif. Air-conditioned face mask. 2,506,296, May 2.

Gaddini, Norman E., Winters, Calif. Face mask. 2,507,705, May 16.

Gaddis, Roy C., Cedar Rapids, Iowa, and L. R. Gann, Higginsville, Mo.; said Gann assignor to said Gaddis. Conveyer structure. 2,493,451, Jan. 3.

Gaddis, Roy C., Cedar Rapids, Iowa. Self-unloading wagon. 2,496,463, Feb. 7.

Gade, Harald F., Philadelphia, assignor to Standard Pressed Steel Co., Jenkintown, Pa. Method and means for manufacturing self-locking nuts. 2,501,040, Mar. 21.

Gadpaille, Edgar C., New Orleans, La. Door knob. 2,534,012, Dec. 12.

Gadret, René H., Mimizan-Bel Air, assignor of one-half to Papeteries de Gascogne (Societe Anonyme), Mimizan, France. Treatment of waste liquors derived from cellulose manufacture. 2,535,730, Dec. 26.

Gadsby, John, Welwyn, and A. L. L. Tompsett, London, England, assignors to Imperial Chemical Industries Limited. Casting of photopolymerizable compositions. 2,525,664, Oct. 10.

Gadzinski, Thaddeus S. and Z. F., Hamtramck, Mich. Fishing lure. 2,494,384, Jan. 10.

Gadzinski, Zigmund F.: *See*—
Gadzinski, Thaddeus S. and Z. F.

Gadzuk, John, Drexel Hill, Pa. Smoke control. 2,529,491, Nov. 14.

Gaeng, Frank E., Staefa-Zurich, Switzerland, assignor to Societe Alfa-Laval, Paris, France, and Societe Belge Alfa-Laval, Brussels, Belgium. Continuous rapid beer oxidizing and clarifying method. 2,510,498, June 6.

Gaenzle, Luther E., assignor to Armstrong Cork Company, Lancaster, Pa. Extrusion device. 2,498,670, Feb. 28.

Gaerttner, Erwin R., and M. L. Yeater, Schenectady, N. Y., assignors to General Electric Company. Filling valve. 2,534,965, Dec. 19.

Gaeta, Sebastian C., West Medford, Mass. Sleeve reciprocating corkscrew. 2,522,219, Sept. 12.

Gagan, Raymond J.: *See*—
Crossley, Charles N., and Gagan.

Gage, Charles F., Long Beach, Calif. Tethering device. 2,525,890, Oct. 17.

Gage, Frederick W., Akron, Ohio, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Calcium silicate-rubber compositions containing carbonate esters and compounding thereof. 2,532,665, Dec. 5.

Gage, Hugh B.: *See*—
Roberts, John B., Gage, and Brautcheck.

Gage, Karl S., Chicago, Ill. Portable piano. 2,494,700, Jan. 17.

Gage, Robert M., Buffalo, N. Y., assignor to The Linde Air Products Company. Method of and apparatus for flame forming corundum styles. 2,530,692, Nov. 21.

Gagliardi, Emilio A. J., and C. Mellor, Buenos Aires, Argentina, and A. L. Hamm, New York, N. Y., said Hamm assignor to Combustion Engineering-Superheater Inc. Smelting process of recovering chemicals from the black liquor derived in pulp mills. 2,495,248, Jan. 24.

Gagne, Antoine F., Jr., Pompton Lakes, N. J., assignor to Remington Arms Company, Inc., Bridgeport, Conn. Ammunition assembly machine. 2,514,946, July 11.

Gagne, Archie, Homewood, Ill., assignor to Hein-Werner Corporation, Waukesha, Wis. Yoke and drawbar element for hydraulic sleeve-pulling devices. 2,507,003, May 9.

Gagnebin, Albert P.: *See*—
Millis, Keith D., Gagnebin, and Pilling.

Gagnier, Charles E., Manhattan Beach, and E. P. Miller, Los Angeles, Calif. Pressureproof electrical separable connection. 2,513,305, July 4.

Gagnier, George E., Detroit, Mich. Fastening strip. 2,533,786, Dec. 12.

Gagnier, Walter, Los Angeles, Calif. Telescope mount for rifles. 2,526,126, Oct. 17.

Gagnon, Andrew P., Warren, R. I. Ferrule for holding erasers to the butt ends of pencils. 2,493,665, Jan. 3.

Gagnon, Herbert J., Flint, Mich. Rowlock. 2,505,708, Apr. 25.

Gahagan, Orren M., Dallas, Tex. Spinning device. 2,493,129. Jan. 3.

Gahagan, Orren M., Dallas, Tex. Automatic cathead. 2,525,069, Oct. 10.

Gahagan, Orren M., Dallas, Tex. Cathead. 2,526,739, Oct. 24.

Gahris, Donald G., Union City, Ohio. Card holder. 2,530,296, Nov. 14.

Gaibel, Hyman, Chicago, Ill. Preparation of piled webs. 2,526,649, Oct. 24.

Gaibel, Hyman, Chicago, Ill. Thermoplastic severing and fusing machine. 2,526,650, Oct. 24.

Gaidos, Alonzo F., Redwood, Calif. Fire control selector for automatic firearms. 2,512,638, June 27.

Gail, Stewart E., Lynn, Mass., assignor to General Electric Company. Dynamoelectric machine. 2,521,516, Sept. 5.

Gaillard, Maurice: *See*—
Scriabine, Igor, Billan, Bellone, and Gaillard.

Gailliot, Paul, and F. Custot, assignors to Societe des Usines Chimiques Rhone Poulenc, Paris, France. N-dimethylaminoethyl-N-alkoxyethyl (or benzyloxyethyl)-anilines. 2,516,560, July 25.

Gailliot, Paul L., Paris, G. Rouze, Villeneuve-le-Roi, and P. E. Gastou, assignors to Societe des Usines Chimiques Rhone-Poulenc, Paris, France. N,N-dialkyl-N'-phenyl-N'(2-heterocyclyl or heterocyclylalkylene) ethylenediamines. 2,526,943, Oct. 24.

Gaines, Frank E., Alhambra, assignor to Aerol Co. Inc., Los Angeles, Calif. Sealed wheel. 2,512,148, June 20.

Gaines, George B., Carlsbad, N. Mex. Pneumatic jack. 2,507,628, May 16.

Gaines, William H., Estill Springs, Tenn. Automobile tool. 2,496,528. Feb. 7.

Gair, Robert, Company, Inc., assignee: *See*—
Benoit, Leon, and Vahle.
Fettinger, John G.

Gair, Sydney: *See*—
Chadwick, Alan, and Gair.

Gairing, Emil, Detroit, Mich. Cutter blade lock. 2,504,192, Apr. 18.

Gajewski, Ferdinand J.: *See*—
Ayo, Jackson J., and Gajewski.

Galanga, Charles, Maspeth, N. Y. Spreaders for circular saw wood cutting machines. 2,530,867, Nov. 21.

Galanot Products Company, The, assignee: *See*—
Blockinger, James J.

Galat, Alexander, Yonkers, N. Y. Production of lysine and intermediates. 2,519,038, Aug. 15.

Galbraith, Robert, Wilmington, Del., and O. A. Short, Staten Island, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Glass decorating process. 2,512,929. June 27.

Galbreath, Paul J., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Multisection yarn feeding roll. 2,514,634, July 11.

Galbreath, Robert R., Bernardsville, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone substation coupler for conversation recording. 2,531,203, Nov. 21.

Gale, Alfred J., Wells, England, assignor to Scophony Corporation of America, New York, N. Y. Piezoelectric crystal. 2,510,811, June 6.

Galen, Charles F., Chesterfield, Mo. Stippling roller. 2,528,646, Nov. 7.

Galen, Clarence W.: *See*—
Hayman, Max, and Galen.

Galen, Max, Linden, N. J. Holder for hand tools. 2,508,755, May 23.

Galey, Georges F. E. and P. M. L., Paris, France. Electric switch. 2,516,561, July 25.

Galey, Paul M. L.: *See*—
Galey, Georges F. E. and P. M. L.

Galinski, Leo L., assignor to R. T. Moloney, Chicago, Ill. Remote control system for automatic phonographs. 2,516,310, July 25.

Galion Iron Works & Manufacturing Company, The, assignee: *See*—
Wright, Fred J.

Galion Metallic Vault Company, The, assignee: *See*—
Biszantz, Fred.

Galitzenstein, Eugen G., London, F. E. Salt, Banstead, H. M. Stanley, Tadworth, and T. Weir, Epsom, England, assignors to The Distillers Company, Limited, Edinburgh, Scotland. Chloroethylation of alkylated benzene compounds. 2,516,971, Aug. 1.

Galkin, Joseph, New York, N. Y. Zig-zag sewing machine. 2,519,452, Aug. 22.

Galkin, Joseph, New York, N. Y. Vibration absorbing mounting for sewing machines. 2,532,767, Dec. 5.

Gall, Bernardus O. M.: *See*—
Cupido, Piet M., Gall, Jonker, and van Overbeek.
Jonker, Johan L. H., and Gall.

Gall, Bernardus O. M., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Indirectly heated cathode. 2,495,580, Jan. 24.
Gall, Bernardus O. M., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Wireless receiver comprising automatic gain control. 2,531,845, Nov. 28.
Gall, Douglas G.: *See*—
Gall, Douglas M. and D. G.
Gall, Douglas M. and D. G., Taft, Calif. Top lock for oil well pumps. 2,509,223, May 30.
Gall, James E., Washington, D. C. Electronic generator circuit. 2,496,283, Feb. 7.
Gall, James E., Washington, D. C. Tube mount. 2,497,078, Feb. 14
Gall, John E., Jr., Madison, Ohio. Liquid dispensing and measuring vessel. 2,516,513, July 25.
Gallagher, Arthur P.: *See*—
Hoyle, Robert L., Gallagher, and Chipley.
Gallagher Asphalt Company, Inc., assignee: *See*—
Gallagher, James F.
Gallagher, Carter B., Clifton Forge, Va. Fastener for envelopes. 2,512,423, June 20.
Gallagher, James F., assignor to Gallagher Asphalt Company, Inc., Thornton, Ill. Bituminous composition. 2,507,629, May 16.
Gallagher, William P., assignor to International Register Company, Chicago, Ill. Pinion forming machine. 2,525,029, Oct. 10.
Gallagher, William P., assignor to International Register Company, Chicago, Ill. Sequence switch. 2,527,249, Oct. 24.
Galland, Charles, Fall River, Mass. Picker stick check. 2,499,023, Feb. 28.
Gallasch, Bernhardt G., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Microscope. 2,530,352, Nov. 14.
Gallasch, Bernhardt, G., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Mechanical stage for microscopes. 2,535,128, Dec. 26.
Gallaway, William S., Western Springs, and E. R. Fenske, Lyons, assignors to Universal Oil Products Company, Chicago, Ill. Electrical computer. 2,525,124, Oct. 10.
Gallay, Harris, Far Rockaway, assignor to International Standard Electric Corporation, New York, N. Y. Pulse time demodulator system. 2,521,710, Sept. 12.
Gallegos, Carlos: *See*—
Henares, Frank, and Gallegos.
Gallen, William P., Cleveland, Ohio. Pusher. 2,513,557, July 4.
Galleret, Paul F., Le Havre, France. Convertible table with vertically adjustable mechanism. 2,532,766, Dec. 5.
Gallery, Daniel V., Jr., U. S. Navy. Gun sight. 2,534,258, Dec. 19.
Gallet, Georges, and N. Thien-Chi, Paris, France, assignors to Compagnie Generale De Telegraphie Sans Fil. Producing cathodes for electronic tubes. 2,520,760, Aug. 29.
Galliano, John B., assignor to Industrial Ideas, Inc., Oakland, Calif. Adjustable eccentric drive. 2,521,711, Sept. 12.
Gallmeyer & Livingston Company, assignee: *See*—
Van Wyk, Adrian.
Gallo, John, Medford, Mass. Knife sharpener. 2,520,279, Aug. 29.
Gallo, John W., Jr., and M. J. Gallo, West Medford, Mass. Combination tricycle and bicycle. 2,512,524, June 20.
Gallo, Michael J.: *See*—
Gallo, John W., Jr., and M. J.
Gallo, Salvatore G.: *See*—
Robey, Richard F., and Gallo.
Galloway, Charles D., Wyndmoor, Pa., assignor to The Electric Storage Battery Company. Mold for casting storage battery straps. 2,496,991, Feb. 7.
Galloway, Charles D., Wyndmoor, Pa., assignor to The Electric Storage Battery Company. Casting straps on storage battery plate lugs. 2,502,373, Mar. 28.
Galloway, Charles F., Los Angeles, Calif. Guard for safety pins. 2,524,346, Oct. 3.
Galloway, Victor A., and R. Wilkes, assignors to Wilksway Loader, Inc., Seattle, Wash. Vehicle loading equipment. 2,522,441, Sept. 12.
Gallup, John F., Sr., Newington, Conn. Auxiliary contact for calipers. 2,529,931, Nov. 14.
Galper, Isa, assignor to Bee Bee Shoe Co., Manchester, N. H. Shoemaking apparatus. 2,498,541, Feb. 21.
Galt, Ellis C., Pacific Grove, Calif. Can selector. 2,529,603, Nov. 14.
Galt, Paul T., Jr., West Hartford, assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Apparatus for starting single-phase capacitor type motors. 2,509,590, May 30.
Galterio, Elia, Denver, Colo. Boot stretcher. 2,501,216, Mar. 21.
Galusha, Albert L., Verona, N. J. Agitator for gas producers. 2,502,141, Mar. 28.
Galvin, Frederick W., and L. J. Koch, St. Paul, Minn. Condiment shaker. 2,535,913, Dec. 26.
Galvin, Stephen L.: *See*—
Roos, Raymond B., and Galvin.
Galvin, Thomas, Arcadia, Calif. Azochloramid ice. 2,521,358, Sept. 5.
Gamache, Homer, assignor of one-half to Nick Vujovich, Butte, Mon. Animated figure toy. 2,526,619, Oct. 24.
Gamallo, Gumersindo V., Youngstown, Ohio. Metal cutting machine. 2,494,994, Jan. 17.
Gambell, Carlos H., Mulino, Oreg. Pressure fluid control arrangement. 2,494,752, Jan. 17.
Gambill, William M., Abilene, Tex. Fish lure. 2,523,949, Sept. 26.
Gamble, Joseph H.: *See*—
Mallett, John D., and Gamble.
Gamble, Louis E., Detroit, Mich. Tone volume range control device for reed instruments. 2,499,855, Mar. 7.
Gamble, Morgan F.: *See*—
West, Willis Z., Jr., and Gamble.
Gamble, Slade B., assignor to Lindberg Engineering Company, Chicago, Ill. Method of and apparatus for forced convection heating. 2,504,320, Apr. 18.
Gambrill, Richard D., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Testing electric cables. 2,513,794, July 4.
Gamel, Gayne D.: *See*—
Ludwig, Leon R., Stuellein, and Gamel.
Stuellein, William H., Hawkins, and Gamel.
Games, Thomas R.: *See*—
Katzen, Cyrus, and Games.
Gamet, Louis, Bougival, assignor to La Precision Industrielle, Rueil-Malmaison, France. Spindle bearing. 2,499,640, Mar. 7.
Gamin, Walter J., Garden City, N. Y. Support. 2,525,538, Oct. 10.
Gammill, Oscar E., Jr., Dallas, Tex., assignor to Carrier Corporation, Syracuse, N. Y. Liquefaction and gas boosting system. 2,508,821, May 23.
Gammill, Roy C., Oklahoma City, Okla., assignor to Eastman Oil Well Survey Company, Dallas, Tex., and Denver, Colo. Whipstock. 2,498,159, Feb. 21.
Gammon, Charles A., St. Augustine, Fla. Combined waste retainer and collar lubricator. 2,515,503, July 18.
Gamrath, Harry R., assignor to Monsanto Chemical Company, St. Louis, Mo. Plasticized polyvinyl compositions. 2,504,120, Apr. 18.
Gamrath, Harry R., assignor to Monsanto Chemical Company, St. Louis, Mo. Production of alkyl diaryl esters of ortho phosphoric acid. 2,504,121, Apr. 18.
Gamrath, Harry R., assignor to Monsanto Chemical Company, St. Louis, Mo. Production of phenolphthalein. 2,522,939, Sept. 19.
Gamrath, Harry R., assignor to Monsanto Chemical Company, St. Louis, Mo. Production of phenolphthalein. 2,522,940, Sept. 19.
Gamson, Bernard W., assignor to Great Lakes Carbon Corporation, Morton Grove, Ill. Activating compositions of carbon, hydrogen, and sulfur. 2,525,343, Oct. 10.
Gandrup, Vernon I., Watsonville, Calif. Double-acting hydraulic hoist. 2,504,406, Apr. 18.
Gandy, Aaron E., Seymour, Tex. Aquarium. 2,494,937, Jan. 17.
Gane's Chemical Works, Inc., assignee: *See*—
Schudel, John G., and Rice.
Gang, Herman, Livingston, assignor to Monroe Calculating Machine Company, Orange, N. J. Clutch control means. 2,514,754, July 11.
Gang, Herman, Livingston, assignor to Monroe Calculating Machine Company, Orange, N. J. Carriage shifting mechanism. 2,527,990, Oct. 31.
Gang, Herman, Livingston, assignor to Monroe Calculating Machine Company, Orange, N. J. Carriage tabulating means. 2,531,204, Nov. 21.
Gang, Herman, Livingston, assignor to Monroe Calculating Machine Company, Orange, N. J. Constant factor means. 2,531,205, Nov. 21.
Gang, Herman, Livingston, assignor to Monroe Calculating Machine Company, Orange, N. J. Multiplier entering means. 2,531,206, Nov. 21.
Gang, Herman, Livingston, assignor to Monroe Calculating Machine Company, Orange, N. J. Registration and shift control means. 2,531,207, Nov. 21.
Gang, Herman, Livingston, assignor to Monroe Calculating Machine Company, Orange, N. J. Product transfer means. 2,531,208, Nov. 21.
Gangel, Robert N., Oceanside, N. Y. Condenser adjusting device. 2,501,671, Mar. 28.
Ganger, Jesse R.: *See*—
Davidson, John T., Ganger, Crawford, and Sadgebury.
Davidson, John T., Williams, Ganger, and Crawford.
Gangnereau, Robert, Paris, France. Automatic cigarette lighter. 2,515,504, July 18.
Gangneux, René E. M.: *See*—
Kopp, Georges, and Gangneux.
Ganim, Albert J., assignee: *See*—
Varga, Joseph.
Ganis, Samuel, Evanston, assignor to Smoler Bros., Inc., Chicago, Ill. Cloth placing apparatus. 2,507,099, May 9.
Gann, Luther R.: *See*—
Gaddis, Roy C., and Gann.
Gannaway, Robertson R., Oak Park, assignor to Belmont Radio Corporation, Chicago, Ill. Video signal generator. 2,516,972, Aug. 1.
Gannaway, Robertson R., Oak Park, and S. Zurakov, assignors to Belmont Radio Corporation, Chicago, Ill. Sawtooth current generator. 2,521,158, Sept. 5.

Gannett, Wright K.: *See*—
Mast, Gifford M., and Gannett.
Gannon, Alfred C., assignor to Kingan & Co. Incorporated, Indianapolis, Ind. Sliced bacon folding and wrapping machine. 2,521,577, Sept. 5.
Gannon, John J.: *See*—
Pfeffer, Edward C., Jr., Gannon, and Fiscella.
Gannon, Millard T., assignor ot Polaroid Corporation, Cambridge, Mass. Developing magazine for cameras. 2,495,113, Jan. 17.
Gano, Alfred S., White Plains, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Delayed-action pulse repeater. 2,526,551, Oct. 17.
Gano, Floyd E., Marietta, Ohio. Flower holder for caskets. 2,516,379, July 25.
Gano, Glen, North Hollywood, Calif. Lock-in presser plate and film threading dowel means. 2,499,911, Mar. 7.
Gano, Ovid: *See*—
Kessler, William J., Gano, and Moreno.
Gantner, Edward G., Morton Grove, and D. James, assignors, by mesne assignments, to International Cellucotton Products Company, Chicago, Ill. Dispenser for sheets. 2,504,515, Apr. 18.
Gantt, James E., assignor to Universal Oil Products Company, Chicago, Ill. Fractionally separating a mixture of normally gaseous components. 2,500,353, Mar. 14.
Gantz, John C., W. J. Holl, and R. E. Everly, Dubuque, Iowa. Package carrier and enclosure therefor. 2,521,057, Sept. 5.
Gantzer, Howard E., Kenmore, assignor to Consolidated Packaging Machinery Corporation, Buffalo, N. Y. Material inserting machinery. 2,501,770, Mar. 28.
Ganz, Albert J., Los Angeles, Calif. Vacuum cup holder for towels and the like. 2,516,311, July 25.
Ganz Brothers, assignee: *See*—
Ganz, William.
Ganz, Joseph, Zurich, Switzerland. Device to sharpen twist drills. 2,511,055, June 13.
Ganz, William, Teaneck, assignor to Ganz Brothers, Bergenfield, N. J. Mechanism for intermittent movement. 2,521,21, Sept. 5.
Ganzert, Albert E., Chicago, assignor to J. D. Kennelly, Oak Park, Ill. Locomotive headlight assembly. 2,494,652, Jan. 17.
Ganzinotti, Paul, assignor to Hudson Pearl Company, Union City, N. J. Method and apparatus for making beads or the like. 2,498,365, Feb. 21.
Garabedian, Haig S., Watertown, Mass. Valve controlled multiple outlet nozzle. 2,493,719, Jan. 3.
Garand, John C., Springfield, Mass. Operating rod latching mechanism for firearms. 2,499,378, Mar. 7.
Garand, John C., Springfield, Mass. Safety mechanism for firearms. 2,505,760, May 2.
Garand, John C., Springfield, Mass., assignor to the United States of America as represented by the Secretary of War. Adjustable rear sight for firearms. 2,531,421, Nov. 28.
Garbarini, Robert F., Woodside, and R. S. Edwards, Hempstead, N. Y., assignors to The Sperry Corporation. Magnetic clutch. 2,514,385, July 11.
Garbe, Howard W.: *See*—
Christiansen, Milton J., Detuno, and Garbe.
Detuno, Rocco J., and Garbe.
Garbe, Williard A., Oshkosh, Wis. Marble actuated rotary wheel toy. 2,531,564, Nov. 28.
Garbell, Maurice A., assignor of one-fourth to Maurice A. Garbell, Inc., and three-fourths to Garbell Research Foundation, San Francisco, Calif. Fluid foil lifting surface. 2,498,262, Feb. 21.
Garbell, Maurice A., San Francisco, Calif. Approach lighting system for aircraft runways. 2,501,504, Mar. 21.
Garbell, Maurice A., Inc., assignee: *See*—
Garbell, Maurice A.
Garbell, Max, Los Angeles, Calif., assignor to Royal Typewriter Company, Inc., New York, N. Y. Computing machine. 2,528,647, Nov. 7.
Garbell Research Foundation, assignee: *See*—
Garbell, Maurice A.
Garber, John D.: *See*—
Leary, Robert F., and Garber.
Sparks, William J., and Garber.
Garber, John D., Cranford, N. J., assignor to Standard Oil Development Company. Copolymers of cyclopentadiene. 2,521,359, Sept. 5.
Garber, John D., Cranford, W. J. Sparks, Westfield, and D. W. Young, Roselle, N. J., assignors to Standard Oil Development Company. Resin process. 2,507,100, May 9.
Garber, Robert F., Richmond, Va. Lighter. 2,526,860, Oct. 24.
Garberding, Waldo L., Chicago, Ill. Dual-purpose shaker. 2,502,449, Apr. 4.
Garberding Waldo L., Chicago, Ill. Grinding concentrically to a predetermined center in a centerless grinding machine. 2,515,210, July 18.
Garbo, Paul W., Freeport, assignor to Hydrocarbon Research, Inc., New York, N. Y. Producing oxygen by the liquefaction and rectification of air. 2,513,306, July 4.
Garbo, Paul W., Freeport, assignor to Hydrocarbon Research, Inc., New York, N. Y. Generation of synthesis gas. 2,520,925, Sept. 5.
Garbo, Paul W., Freeport, N. Y. Production of biuret. 2,524,049, Oct. 3.
Garbo, Paul W., Freeport, assignor to The American Metal Company, Limited, New York, N. Y. Fluidizing process for zinc recovery. 2,525,790, Oct. 17.
Garbo, Paul W., Long Beach, assignor to Hydrocarbon Research, Inc., New York, N. Y. Separating powdered catalysts from exothermically reactive gases. 2,526,651, Oct. 24.
Garbo, Paul W., Long Beach, assignor to Hydrocarbon Research, Inc., New York, N. Y. Manufacture of synthesis gas. 2,526,652, Oct. 24.
Garceau, Harry J., Muncie, Ind. Automobile awning. 2,502,838, Apr. 4.
Garceau, Lovett, Holliston, Mass. Recording device. 2,530,868, Nov. 21.
Garcia, Delina C.: *See*—
De la Rosa, Manuel B., and Garcia.
Gard, George E., assignor to Armstrong Cork Company, Lancaster, Pa. Method and apparatus for dielectric heating. 2,508,382, May 23.
Gard, George E., assignor to Armstrong Cork Company, Lancaster, Pa. Method and apparatus for dielectric heating. 2,515,211, July 18.
Gard, George E., assignor to Armstrong Cork Company, Lancaster, Pa. Compensating for or preventing heat losses from material during dielectric heating thereof. 2,526,699, Oct. 24.
Gard, John D.: *See*—
Peterson, Alfred J. A., and Gard.
Garday, Louis J., Glenview, and R. A. Lasley, assignors, by mesne assignments, to L. G. Simmons, Chicago, Ill. Fluid actuated injection means. 2,531,330, Nov. 21.
Garday, Louis J., Glenview, assignor, by mesne assignments, to L. G. Simmons, Chicago, Ill. Free piston engine fuel control. 2,531,331, Nov. 21.
Garday, Louis J., Glenview, assignor, by mesne assignments, to L. G. Simmons, Chicago, Ill. Fluid actuated injection means. 2,531,332, Nov. 21.
Garde, Aage, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Speed control. 2,524,222, Oct. 3.
Garden, Glenn H., assignee: *See*—
Sawitzke, Arthur W.
Garden City Plating & Manufacturing Co., assignee: *See*—
Kurtzon, George B.
Gardenhire, Elsworth W., North Sacramento, Calif. Cargo airplane. 2,514,045, July 4.
Gärdin, Erik G., assignee: *See*—
Ossbahr, Richard G., and Andersson.
Gardiner, Arthur N., administrator: *See*—
Gardiner, Laurance E.
Gardiner, Duncan B., assignor to Vickers Incorporated, Detroit, Mich. Power transmission. 2,494,753, Jan. 17.
Gardiner, Duncan B., assignor to Vickers Incorporated, Detroit, Mich. Relief valve for power transmissions. 2,498,542, Feb. 21.
Gardiner, Duncan B., assignor to Vickers Incorporated, Detroit, Mich. Power transmission. 2,498,543, Feb. 21.
Gardiner, Laurance E., Stratford, N. J., A. N. Gardiner, administrator of said L. E. Gardiner, deceased, assignor to A. N. Gardiner, individually. Automatic telegraph transmitter. 2,497,722, Feb. 14.
Gardiner, Paul C.: *See*—
Manke, Arthur G., and Gardiner.
Gardiner, Paul C., Scotia, and C. W. Frick, Schenectady, N. Y., assignors to General Electric Company. Brush holder and brush. 2,515,768, July 18.
Gardiner, Paul C., Scotia, N. Y., assignor to General Electric Company. Depth measuring equipment. 2,519,898, Aug. 22.
Gardiner, Robert E.: *See*—
Jones, Edwin A., and Gardiner.
Gardiner, Thomas R., Oakland, Calif. Caster wheel mounting for land vehicles and aircraft. 2,515,704, July 18.
Gardiner, Thomas R., Piedmont, Calif. Trailer supporting vehicle. 2,515,705, July 18.
Gardiner, William C., Niagara Falls, assignor to Mathieson Chemical Corporation, New York, N. Y. Mercury pump. 2,511,466, June 13.
Gardner, Anna M., assignor to Fabric-Edging Machine Corporation, New York, N. Y. Apparatus for fusing edges of previously cut strip material. 2,527,183, Oct. 24.
Gardner Board and Carton Co., The, assignee: *See*—
Fisher, Harry C., and Sooy.
Ringler, William A.
Von Sydow, Rudolph W.
Gardner, Daniel, New York, N. Y. Producing tantalum, columbium, and compounds thereof. 2,516,863, Aug. 1.
Gardner, Daniel, New York, N. Y. Thermal process for producing the carbides of tantalum and columbium. 2,532,295, Dec. 5.
Gardner, Elizabeth, assignee: *See*—
Gardner, John H.
Gardner, Frank R.: *See*—
Peterson, Henry, and Gardner.
Gardner, Helen L., Washington, D. C. Bib. 2,523,565, Sept. 26.

Gardner, Irvine C., Chevy Chase, Md., assignor to the United States of America as represented by the Secretary of War. Self-compensating optical system for telemeters. 2,511,840, June 20.
Gardner, John H., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Antenna. 2,512,147, June 20.
Gardner, John H., Daytona Beach, Fla., assignor by decree of distribution to E. Gardner. Milk and cream product emulsifier. 2,504,678, Apr. 18.
Gardner, Norman C., Granite City, Ill. Switch box bracket. 2,514,755, July 11.
Gardner, Norman C., Williamsport, Pa. Illuminated picture exhibitor. 2,523,290, Sept. 26.
Gardner, Ralph N., Chicago, Ill. Spacing collar. 2,494,995, Jan. 17.
Gardner, Roland M., Swampscott, assignor to Sylvania Electric Products Inc., Salem, Mass. Rotary gas mixing valve for lamp sealing apparatus. 2,504,925, Apr. 18.
Gardner, Thomas S., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Animalizing of cellulose acetate. 2,518,676, Aug. 15.
Gardner Tool and Stamping Company, assignee: *See*— Anderson, Paul V.
Gardner, Walter E., Whittier, Calif. Ceramic method and composition. 2,526,073, Oct. 17.
Garet, Pierre: *See*— Bessot, Leonce E., and Garet.
Garey, Arthur M.: *See*— Root, Frank K., and Garey.
Garey, Robert W.: *See*— O'Donnel, William E., and Garey.
Gargaglione, Frank B., Elmwood, Ill. Folding cabinet type ironing board. 2,523,425, Sept. 26.
Gargi Motor Cycle Company Limited, assignee: *See*— Dolphin, John R. V.
Garibaldi, John A.: *See*— Feeney, Robert E., and Garibaldi. Stubbs, Joseph J., Feeney, Garibaldi, and Feustel.
Garis, Gordon O., Cumberland, Md., assignor to Celanese Corporation of America. Flowmeter indicator. 2,521,784, Sept. 12.
Garland, Charles, assignor of one-half to Ursula Garland, Mount Vernon, N. Y. Articulated aquatic toy. 2,511,154, June 13.
Garland, Edward J., Worcester, and W. J. Officer, Hampden, assignors to Blake Manufacturing Corporation, Clinton, Mass. Portable flashlight. 2,510,812, June 6.
Garland, Ursula, assignee: *See*— Garland, Charles.
Garlock Packing Company, The, assignee: *See*— Blake, Frank W., and Dunlevy. Chambers, Albert M., Jr. Greiner, Harold F.
Garlough, Owen J., and H. M. Stewart, Springfield, Ohio. Piercing and printing method. 2,526,469, Oct. 17.
Garlow, Harry, Flemington, N. J. Automobile mirror for providing a 360° view to the driver. 2,528,590, Nov. 7.
Garman, Raymond L.: *See*— Pourciau, Louis L., and Garman.
Garman, Raymond L., and F. N. Gillette, Pleasantville, N. Y., assignors to General Precision Laboratory Incorporated. Television recording or transmitting apparatus using constant speed film. 2,525,891, Oct. 17.
Garnatz, George F., Cincinnati, Ohio, and B. De H. Miller, assignors to The Girdler Corporation, Louisville, Ky. Cake manufacture. 2,524,437, Oct. 3.
Garner, Lloyd P.: *See*— Spooner, John M., and Garner.
Garner, Macon M., Pine Lawn, Mo. Saddle buckle. 2,498,334, Feb. 21.
Garner, Philip J., Hooton, and G. Watson, Accrington, England, assignors to Shell Development Company, San Francisco, Calif. Separation of neutral phthalic acid esters. 2,508,911, May 23.
Garner, Philip J., Hooton, Wirral, and L. N. Goldsbrough, and T. B. Buyers, Thornton-le-Moors, England, assignors to Shell Development Company, San Francisco, Calif. Separation of hydrocarbons using urea complexes. 2,518,677, Aug. 15.
Garner, Russell F.: *See*— Weber, Victor, and Garner.
Garner, Samuel R., Cleveland, Ohio. Battery terminal clamp. 2,527,212, Oct. 24.
Garner, William H., Augusta, Ga. Combined filter, drier, heat exchanger, and surge resistor for electrical refrigerators. 2,505,393, Apr. 25.
Garnett, Clarence C., Sibley, assignor of one-half to G. C. Powdrill, Minden, La. Fishing pole carrier. 2,502,714, Apr. 4.
Garnett, Edward V., Denver, Colo. Automobile transporting truck. Re. 23,187, Jan. 10.
Garnett, Edward V., Denver, Colo. Trailer for transporting automobiles. 2,492,980, Jan. 3.
Garnett, Vactor G., Pasadena, Calif. Trailer hitch. 2,524,312, Oct. 3.
Garnier, Eugène F. G., Nice, France. Mechanical computer for determining the position of a moving body relatively to a two-coordinate reference system. 2,507,567, May 16.
Garniss, George W., Bloomfield, N. J. Ball tumbler type cylinder lock. 2,525,344, Oct. 10.
Garod Radio Corporation, assignee: *See*— Trott, Barnet S.
Garofalo, Emil, Fairfield, Conn. Dipping basket. 2,507,152, May 9.
Garr, Donald E.: *See*— Desch, Philip F., Garr, and Edwards.
Garrand, Ralph A., assignor to Cone Automatic Machine Company Inc., Windsor, Vt. Toolholder. 2,525,216, Oct. 10.
Garrard Engineering & Manufacturing Co. Ltd., assignee: *See*— Compare, Aldo.
Garrard Engineering & Manufacturing Company Limited, The, assignee: *See*— Mortimer, Edmund W.
Garraway, George H., Westfield, and N. F. Myers, Short Hills, N. J., assignors to Standard Oil Development Company. Oil projecting device. 2,497,939, Feb. 21.
Garreau, Armand J., Newport, R. I. Bracelet end connection. 2,501,385, Mar. 21.
Garreau, Yvonne, assignor to Societe Generale d'Applications Therapeutiques "Theraplix," Paris, France. Preparing iodinated 2-aminothiazole. 2,493,399, Jan. 3.
Garren, Herbert P., Graysville, Tenn., and B. J. Stepp, Hendersonville, N. C. Suspenders. 2,514,756, July 11.
Garretson, Owen L., Bartlesville, Okla., assignor to Phillips Petroleum Company. Railroad switch heater. 2,512,541, June 20.
Garretson, Owen L., Bartlesville, Okla., assignor to Phillips Petroleum Company. Vapor pressure relief system. 2,517,194, Aug. 1.
Garretson, Owen L., Roswell, N. Mex., assignor to Phillips Petroleum Company. Hydraulic pumping unit. 2,528,131, Oct. 31.
Garrett, Bowman S., Baton Rouge, La., assignor to The Standard Oil Development Company. Distilling polymer-forming hydrocarbons and removing polymer from distillation equipment. 2,534,013, Dec. 12.
Garrett Corporation, The, assignee: *See*— Arthur, Robert A. Arthur, Robert A., and Kemper. Block, Harold H. Chapman, James E. Jensen, Raymond W. Kemper, James M. Mayer, Waldemar F. Rommel, William G. Wood, Homer J. Wood, Homer J., and Alexander.
Garrett Corporation Airesearch Manufacturing Company Division, The, assignee: *See*— Jensen, Raymond W. Morris, Charles O. Morris, Charles W. Roth, Herman P.
Garrett, Emil, U. S. Marine Corps. Grenade thrower. 2,499,379, Mar. 7.
Garrett, George K., Company, Inc., assignee: *See*— Miller, Harry R.
Garrett, Harley A., Camden on Gauley, W. Va. Retractable lift rotor mechanism for aircraft. 2,531,976, Nov. 28.
Garrett, Henry U., and C. M. Peters, Longview, assignors to Garrett Oil Tools, Inc., Houston, Tex. Pressure responsive valve. 2,519,242, Aug. 15.
Garrett, Herman W.: *See*— Puschel, William H., Smith, and Garrett.
Garrett Oil Tools, Inc., assignee: *See*— Garrett, Henry U., and Peters.
Garrigue, Albert, and F. Sarrahy, Perpignan, France. Automatic stoning-sorting machine. 2,519,643, Aug. 22.
Garrigus, Samuel W., Inglewood, Calif. Water injection system for internal-combustion engines. 2,493,808, Jan. 10.
Garris, Marian A., Seattle, Wash. Demountable corner shelf. 2,522,442, Sept. 12.
Garrison, Allen D.: *See*— Herzog, Gerhard, and Garrison.
Garrison, Allen D., Houston, Tex., assignor to Texaco Development Corporation, New York, N. Y. Manufacture of polyphosphates. 2,493,809, Jan. 10.
Garrison, Allen D., Houston, Tex., assignor to Texaco Development Corporation, New York, N. Y. Borehole washing device. 2,503,719, Apr. 11.
Garrison, Allen D., Houston, Tex., assignor to Texaco Development Corporation, New York, N. Y. Effecting dissociative conversion of organic compounds. 2,516,973, Aug. 1.
Garrison, Allen D., Houston, Tex., assignor to Texaco Development Corporation, New York, N. Y. Method and apparatus for gasifying carbonaceous material. 2,516,974, Aug. 1.
Garrison, Bertice P., Seattle, Wash. Garment. 2,511,977, June 20.
Garrison, Charles L., Marion, Ind. Flight indicator. 2,514,541, July 11.
Garrison, Forrest C., Fort Myers, Fla., assignor to The Oscar C. Rixson Co., Chicago, Ill. Door spindle key lock. 2,501,505, Mar. 21.
Garrison, Langdon I., Epson, assignor to The John Swenson Granite Co., Inc., Concord, N. H. Stonecutting machine. 2,506,076, May 2.
Garrity, Raymond A., Lockport, N. Y. Rectangular splint basket. 2,526,343, Oct. 17.

Garthwait, Clyde W., Waterbury, Conn., and V. Turner, Bronxville, N. Y., assignors to Cly-Del Mfg. Co., Waterbury, Conn. Bell. 2,510,569, June 6.

Gartin, Elmer G.: *See*—
Curtis, John C., and Gartin.

Gartin, Elmer G., Claremont, N. H., assignor to Joy Manufacturing Company. Working implement retainer. 2,512,149, June 20.

Gartner, Frederick, Valley Stream, assignor to Victor Industries Corporation, Brooklyn, N. Y. Tapping machine. 2,509,056, May 23.

Gartner, John H., Kentfield, assignor to S. I. Keene, San Francisco, Calif. Release type trigger mechanism. 2,513,162, June 27.

Gartner, Lawrence E., Hasbrouck Heights, assignor to Bendix Aviation Corporation, Teterboro, N. J. Voltage and frequency regulating system for motor generators. 2,524,166, Oct. 3.

Gartner, Lawrence E., Hasbrouck Heights, and J. W. Allen, Montclair, assignors to Bendix Aviation Corporation, Teterboro, N. J. Exciter control. 2,529,766, Nov. 14.

Gartner, Raymond J., Canton, Ohio. Binding band tensioning device. 2,526,216, Oct. 17.

Gartner, Stanley J., Emporium, Pa., and E. W. Barrett, Danvers, assignors to Sylvania Electric Products, Inc., Salem, Mass. Lamp flare holder. 2,535,630, Dec. 26.

Garton Toy Company, assignee: *See*—
Graff, Frederick W.

Gartrell, Robert D., Ridgewood, N. J., assignor to United States Rubber Company, New York, N. Y. Self-sealing rifle target. 2,535,280, Dec. 26.

Gartrell, Robert D., Ridgewood, N. J., W. D. Carroll, and A. W. Hansen, Jackson Heights, assignors to United States Rubber Company, New York, N. Y. Mechanical belt. 2,505,354, Apr. 25.

Garve, T. Walter, Columbus, Ohio. Tunnel drier for ceramic ware utilizing upwardly flowing heat injection. 2,513,163. June 27.

Garver, Jesse A., Elgin, Ill. Sportsman's shell belt. 2,528,648, Nov. 7.

Garvey, James, Vancouver, British Columbia, Canada. Manually controlled soap press. 2,532,666, Dec. 5.

Garvey, Thomas H., Natick, and P. V. Scally, Randolph, Mass. Air conditioner. 2,529,839, Nov. 14.

Garvin, John S., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Mercury contact for electrical switches. 2,508,508, May 23.

Garvin, Milton: *See*—
Strauchen, David M., and Garvin.

Garwood, Ernest C., Wilmington, Del. Tumbler holder. 2,529,287, Nov. 7.

Garwood, Norman F., Indianapolis, Ind. Line anchoring device. 2,530,121, Nov. 14.

Garwood, William E., Haddonfield, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Synthetic lubricants. 2,500,163, Mar. 14.

Garwood, William E., Haddonfield, F. M. Seger, Pitman, and A. N. Sachanen, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Synthetic lubricant. 2,500,164, Mar. 14.

Garwood, William E., Haddonfield, F. M. Seger, Pitman, and A. N. Sachanen, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Lubricant composition. 2,500,167, Mar. 14.

Garwood, William E., Haddonfield, F. M. Seger, Pitman, and A. N. Sachanen, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Synthetic lubricants. 2,500,247, Mar. 14.

Garwood, William E., Haddonfield, J. W. Brooks, Wenonah, and A. N. Sachanen, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Synthetic lubricants. 2,500,672, Mar. 14.

Gas Machinery Company, The, assignee: *See*—
Blain, Hugh M., Jr.

Gasair Corporation, assignee: *See*—
Heller, John K.

Gascoigne, George H., Wokingham, assignor to Gascoignes (Reading) Ltd., Reading, Berkshire, England. Claw for milking machines. 2,507,969, May 16.

Gascoigne, George H., Wokingham, England. Tube joint. 2,508,668, May 23.

Gascoignes (Reading) Ltd., assignee: *See*—
Gascoigne, George H.

Gascoignes (Reading) Limited, assignee: *See*—
Kingston, Jonas A.

Gash, Frederick, assignor to William Coulthard & Company Limited, Carlisle, England. Die casting machine. 2,522,866, Sept. 19.

Gaskill, Alfred T., Cleveland Heights, and C. E. Bock, Cleveland, Ohio, assignors to General Electric Company. Glass tube reshaping apparatus. 2,523,006, Sept. 19.

Gasoline Research Industrial & Commercial Company, Inc., The, assignee: *See*—
Labour, Jean P.

Gaspar, Béla, assignee: *See*—
Jennen, Jacob J., and Michaelis.

Gaspar, Béla, Beverly Hills, Calif., assignor to Chromogen, Incorporated. Process for the manufacture of color photographic images. 2,514,234, July 4.

Gaspar, Béla, Hollywood, Calif., assignor to Chromogen, Incorporated. Manufacture of color photographic images. 2,514,233, July 4.

Gaspar, George P.: *See*—
Unterschuetz, Siegfried O., and Gaspar.

Gaspar, William P., assignor to Basement Sentinel Company, Flint, Mich. Antiflood device for floor drains. 2,517,195, Aug. 1.

Gasper, Stephen: *See*—
Nolan, Terence M., and Gasper.

Gass, Karl W., assignor to Amsler Morton Corporation, Pittsburgh, Pa. Support for conveyer rollers. 2,529,684, Nov. 14.

Gass, Maude W., assignee: *See*—
Chaft, Marc E.

Gassman, Kenneth M.: *See*—
Garson, Arthur, and Gassman.

Gassner, Alfred A., New York, N. Y., assignor to Fairchild Engine and Airplane Corporation. Retractable landing gear. 2,497,880, Feb. 21.

Gassner, Alfred A., assignor to Fairchild Engine and Airplane Corporation, New York, N. Y. Foldable and retractable endless track type landing gears. 2,510,969, June 13.

Gassot, René J. L., Paris, France. Hydraulic resistance brake for rotary members. 2,512,248, June 20.

Gast, Leo F.: *See*—
Crowl, Louis A., and Gast.

Gaston, Kay: *See*—
Pinkard, Viola, and Gaston.

Gaston, Ralph M., Chicago, assignor by mesne assignments, to Karma Manufacturing Company, Harvey, Ill. Portable spot welder. 2,517,653, Aug. 8.

Gastou, Paul E.: *See*—
Gailliot, Paul L., Rouze, and Gastou.

Gaterman, Erwin, assignor to Gaterman Manufacturing Company, Manitowoc, Wis. Windrowing device. 2,511,841, June 20.

Gaterman, Erwin, assignor to Gaterman Manufacturing Company, Manitowoc, Wis. Adjustable windrow receiving and placing device. 2,511,842, June 20.

Gaterman Manufacturing Company, assignee: *See*—
Gaterman, Erwin.

Gates, Clarence S., West Hartford, assignor to Allen Manufacturing Company, Hartford, Conn. Tool handle. 2,530,297, Nov. 14.

Gates, Harold J., Coldwater, Mich. Furnace construction for fluid fuel fired air-heating furnaces. 2,501,041, Mar. 21.

Gates, Howard L., Baltimore, Md. Self-compensating mechanical power transmission. 2,523,822, Sept. 26.

Gates, John W., Jr.: *See*—
Damschroder, Rudolph E., and Gates, Jr.

Gates, John W., Jr., and R. M. Huse, assignors to Eastman Kodak Company, Rochester, N. Y. Preparing lowered viscosity gelatin. 2,514,635, July 11.

Gates, Louis E., and L. A. Radeker, Canton, N. C., assignors to The Champion Paper and Fibre Company, Hamilton, Ohio. Refining tall oil. 2,525,892, Oct. 17.

Gates, Major E., Crystal Lakes, Ill. Manufacture of ceramic articles. 2,493,623, Jan. 3.

Gates, Miriam, Buffalo, N. Y. Brassière. 2,501,325, Mar. 21.

Gates, Rowland F., Toronto, Ontario, Canada, assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Electric switch mounting means. 2,522,172, Sept. 12.

Gates Rubber Company, The, assignee: *See*—
Custer, Kenneth G.
Hurt, Robert K.
Kessler, David L.
Mitchell, Lee W.
Nassimbene, Ernest.
Staten, Fred W., and Haines.

Gatewood, Worth C., Alexandria, Va. Carrier for gas containers. 2,497,597, Feb. 14.

Gatiss, Albert L., assignor to Brockhouse Engineering (Southport) Limited, Crossons, Southport, England. Electric operated clutch. 2,500,814, Mar. 14.

Gattuso, Henry A., Adams, Mass. Stenciling apparatus. 2,498,917, Feb. 28.

Gatzke, Elmer A.: *See*—
Sampson, Richard J., and Gatzke.

Gaubatz, Arthur W., and J. B. Wheatley, Indianapolis, Ind., assignors to General Motors Corporation, Detroit, Mich. Coaxial counterrotating shafts drive. 2,522,443, Sept. 12.

Gaubatz, George G., Davenport, Iowa, assignor to American Machine & Metals, Inc., East Moline, Ill. Automatic textile washing apparatus. 2,529,334, Nov. 7.

Gaubert, Peter: *See*—
Baird, William, Gaubert, and Lowe.

Gaudet, Leandre J.: *See*—
Lapointe, Louis E., and Gaudet.

Gaudrault, Joseph A., Holyoke, Mass. Bridge construction for pair of eyeglasses. 2,520,034, Aug. 22.

Gauff, George K., Great Neck, N. Y. Easel. 2,518,877, Aug. 15.

Gauger, Frank A., Milwaukee, Wis. Flash tube for ignition of gas burners. 2,517,782, Aug. 8.

Gaugler, Richard S., assignor to General Motors Corporation, Dayton, Ohio. Absorption refrigerating apparatus. 2,514,572, July 11.

Gaugler, Richard S., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,517,654, Aug. 8.

Gaul, Clyde, assignor to General Electric X-Ray Corporation, Chicago, Ill. Film marking device. 2,497,445, Feb. 14.
Gault, Errol G.: *See*—
Day, Chester B., and Gault.
Gault, Marcel A. J. L., assignor of one-half to L. J. Villiers, Pithiviers, France. Glass cutting device. 2,507,779, May 16.
Gaumer, John F., and F. M. Poole, Dallas, Tex., said Gaumer assignor to said Poole. Impedance bridge, rebalancing, telemetric system. 2,503,868, Apr. 11.
Gaun, Harry M., Montclair, assignor to Jacques Kreisler Manufacturing Corporation, North Bergen, N. J. Folding extension device. 2,532,840, Dec. 5.
Gaunder, Wilbur F., Mount Vernon, Ohio, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Apparatus for feeding batch. 2,509,390, May 30.
Gaunt, Edward E., assignor to Market Services, Inc., Chicago, Ill. Moistening device for labels, stamps, and the like. 2,500,066, Mar. 7.
Gausden, Alfred H.: *See*—
Thomas, Arthur, and Gausden.
Gause, Russell H., Glendale, Ohio, assignor to National Distillers Products Corporation. Improving the flavor of certain wines. 2,500,171, Mar. 14.
Gauthier, Donat A., Detroit, Mich. Pneumatic gauge. 2,500,067, Mar. 7.
Gauthier, Fred J., Detroit, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio. Clamp and tube assembly. 2,526,470, Oct. 17.
Gauthier, Robert V.: *See*—
Lempert, Joseph, and Gauthier.
Gautier, Georges: *See*—
Le Bozec, Leon, and Gautier.
Gautier, Pierre: *See*—
Boinot, Firmin, and Gautier.
Gauvreau, Joseph E., assignor to E. F. Kemp, Inc., Somerville, Mass. Display cabinet. 2,517,420, Aug. 1.
Gavagnin, Tullio, Genoa, Italy. Air and gas cleaner. 2,507,897, May 16.
Gavallet, André, Paris, France. Electrical contact device. 2,498,410, Feb. 21.
Gavan, Don, Company, assignee: *See*—
Anderson, Bruce E.
Gavard, George A.: *See*—
Canty, Charles R., and Gavard.
Gavatin, Eskil: *See*—
Fuchs, Walter M., and Gavatin.
Gaver, Kenneth M., assignor to The Ohio State University Research Foundation, Columbus, Ohio. Uniformly 2-substituted glucopyranose polymers. 2,518,135, Aug. 8.
Gaver, Raymond H., assignor to The American Welding & Manufacturing Company, Warren, Ohio. Roller bearing housing. 2,497,403, Feb. 14.
Gavin, Beauford E., Sr.: *See*—
Woody, Walton L., and Gavin.
Gavin, Beauford E., Sr., Indianapolis, Ind., assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Continuous pouring machine for traveling mold conveyers. 2,522,031, Sept. 12.
Gaviola, Frank, and F. Anacabe, Elko, Nev. Power-operated saw. 2,498,160, Feb. 21.
Gavriluk, Alexiy P., Lawrence, Mass. Shuttle eye block. 2,520,311, Aug. 29.
Gay-Bell Corporation, assignee: *See*—
Bell, Harry G.
Bell, Harry G., and Gay.
Gay, Jacob D., Jr.: *See*—
Bell, Harry G., and Gay.
Gay, Paul S., assignor to The General Industries Company, Elyria, Ohio. Plural-speed friction drive mechanism. 2,518,769, Aug. 15.
Gayer, Frederick H., Chicago, assignor to Continental Research Corp., Chicago Heights, Ill. Recovery of abietic acid. 2,493,866, Jan. 10.
Gayer, Frederick H., Chicago, assignor to Continental Research Corp., Chicago Heights, Ill. Recovery of abietic acid in the form of its quarter salt. 2,493,867, Jan. 10.
Gayer, Frederick H., Chicago, assignor to Continental Research Corporation, Chicago Heights, Ill. Recovery of dehydroabietic acid. 2,503,238, Apr. 11.
Gayer, John D., assignor to The Brown-Brockmeyer Co., Dayton, Ohio. Variable-speed drive. 2,501,936, Mar. 28.
Gayford, Michael L., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Sound reproducer or recorder head. 2,498,671, Feb. 28.
Gayford, Michael L., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Electroacoustical transducer. 2,509,224, May 30.
Gayford, Michael L., London, England, assignor, by mesne assignments, to International Standard Electric Corporation New York, N. Y. Unidirectional dual microphone. 2,527,540, Oct. 31.
Gayle, Aubrey A., Chicago, Ill. Container support. 2,501,895, Mar. 28.
Gayle, Fred L., Lake Charles, La., assignor to American Cyanamid Company, New York, N. Y. Ion exchange sugar purification. 2,496,244, Jan. 31.
Gayley, Charles T., Lansdowne, Pa. Electrode coating composition. 2,514,386, July 11.
Gaylord Container Corporation, assignee: *See*—
Buhrmaster, Frederick R.
George, Walter C.
George, Walter C., and Klasing.
Williams, Benjamin M.
Gaylord, Jay A., Seattle, Wash. Fish lure. 2,517,298, Aug. 1.
Gaylord, Jay A., Seattle, Wash. Fish lure. 2,517,299, Aug. 1.
Gaylord Products, Incorporated, assignee: *See*—
Weaver, Ruth K.
Weaver, Ruth K., and Wingblade.
Gaynor, Edwin G., Fairfield, Conn. Fluorescent lighting. 2,511,155, June 13.
Gaynor, Edwin G., Fairfield, Conn. Two-button switch. 2,519,899, Aug. 22.
Gaynor, Edwin G., Fairfield, and H. K. Andrews, Stratford, Conn. Fluorescent lighting. 2,507,898, May 16.
Gayring, Wallace F., Minoa, assignor to The Prosperity Company, Inc., Syracuse, N. Y. Heat confining system for pressing machines. 2,521,511, Sept. 5.
Gayring, Wallace F., Minoa, assignor to The Prosperity Company, Inc., Syracuse, N. Y. Removing heat and moisture from the pressing elements of laundry pressing machines. 2,521,512, Sept. 5.
Gayring, Wallace F., Minoa, and J. Neuroth, assignors to The Prosperity Company, Inc., Syracuse, N. Y. Shirt folding machine. 2,508,108, May 16.
Gayring, Wallace F., Minoa, and J. Neuroth, assignors to The Prosperity Company, Inc., Syracuse, N. Y. Washing ingredient dispensing mechanism for washing apparatus. 2,534,014, Dec. 12.
Gaythwaite, Wilson R., assignor to W & J Martin Limited, Glasgow, Scotland. Apparatus for spraying traveling materials. 2,505,179, Apr. 25.
Gazella, Robert A., Ionia, Mich. Swing. 2,516,975, Aug. 1.
Gean, William E., Good Pine, La. Pipe rotating tongs. 2,510,813, June 6.
Gear, James L., Cumberland, Md., assignor to Celanese Corporation of America. Production of propionaldehyde. 2,501,042, Mar. 21.
Gearhart, Roy E., Kansas City, assignor to H. H. Twente, Independence, Mo. Screw gripping screw driver. 2,530,763, Nov. 21.
Gearhart, William M., and H. R. McAmis, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Refining copolymeric beads of isopropenyl acetate and fumaric acid alkyl esters. 2,507,153, May 9.
Gearhart, William M., Kingsport, and M. Broyles, Johnson City, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Making methoxyethyl stearate. 2,521,906, Sept. 12.
Gearing, Irvin L., assignee: *See*—
Penn, Edward W.
Geary, Henry R., East Orange, N. J., assignor to General Electric Company. Stoker burner head with rod means to anchor tuyère blocks. 2,499,189, Feb. 28.
Gebelein, Edward F.: *See*—
Bryan, Austin D., and Gebelein.
Gebhart, Arthur I.: *See*—
Ross, John, and Gebhart.
Gebhart, Donald L., assignee: *See*—
Earhart, Charles H.
Gebhart, Morrill E., Wichita, Kans. Chiropractic portable table. 2,533,787, Dec. 12.
Gebien, Willard J., Chicago, Ill. Fountain paintbrush with rotatable and yielding guide for striping. 2,534,589, Dec. 19.
Gedat, Curt R., Middletown, P. Schimmel, Bronx, and S. L. Atkins, New York, N. Y. Velocipede. 2,533,728, Dec. 12.
Geddes, John W., Boston, assignor to H. K. Porter, Inc., Everett, Mass. Rivet cutter. 2,494,996, Jan. 17.
Geddes, John W., Boston, and W. F. Tibbetts, Reading, assignors to H. K. Porter, Inc., Somerville, Mass. Adjusting mechanism for multiple lever tools. 2,527,496, Oct. 24.
Geddings, Saint J., West Columbia, S. C. Draft roller treating machine. 2,505,108, Apr. 25.
Gee, Edwin A., Washington, D. C., and J. V. Bossche, Hyattsville, Md., assignors to the United States of America as represented by the Secretary of the Interior. Recovery of alcohol from a ternary solution. 2,534,259, Dec. 19.
Gee, Richard G., Saddle River Township, Bergen County, N. J., and W. Gronros, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electronic discharge device. 2,507,706, May 16.
Gee, William P., Plainfield, N. J., assignor to Texaco Development Corporation, New York, N. Y. Fractional separation of fatty oil substances 2,520,801, Aug. 29.
Geer, Hobart S., Jackson Heights, assignor to The Patent Scaffolding Co., Inc., Long Island City, N. Y. Scaffold hoist holding means. 2,493,242, Jan. 3.
Geertsen, Nelson, Chicago, Ill., assignor to American Can Company, New York, N. Y. Container and opening key. 2,495,715, Jan. 31.
Geeslin, Sybil B., Decatur, assignor to Perdue Manufacturing Co., Inc., Athens, Ga. Reversible ready-made diaper. 2,523,989, Sept. 26.
Geeven, Gonarus: *See*—
Bruining, Hajo, and Geeven.

Gefeldt, Richard W., Stockholm, Sweden, assignor to Getram Company, Inc., New York, N. Y. Scouring pad. 2,518,984, Aug. 15.

Geffroy, Robert R. L., Neuilly-sur-Seine, assignor to Volcan S. A., Levallois (Seine), France. Check valve. 2,494,653, Jan. 17.

Geffroy, Robert R. L., Neuilly-sur-Seine, assignor to Volcan S. A., Levallois (Seine), France. Dry lime acetylene generator. 2,505,956, May 2.

Geffroy, Robert R. L., Neuilly-sur-Seine, assignor to Volcan S. A., Levallois (Seine), France. Dry lime acetylene generator. 2,505,957, May 2.

Geffroy, Robert R. L., Neuilly-sur-Seine, assignor to Volcan S. A., Levallois, France. Device for securing the injector or feed regulator in the tube of blowpipes. 2,506,415, May 2.

Geffroy, Robert R. L., Neuilly-sur-Seine, assignor to Société: Volcan S. A., Levallois, France. Oxyacetylene installation for welding, cutting, or the like. 2,533,729, Dec. 12.

Gehle, William A., Arlington, N. J. Apparatus for treating polluted liquids. 2,502,142, Mar. 28.

Gehman, John B., Noblesville, Ind., assignor to Radio Corporation of America. Method and apparatus for filling containers with a predetermined amount of dielectric material. 2,523,363, Sept. 26.

Gehman, Harry, Western Springs, and W. Hach, Oak Park, Ill., assignors to Corn Products Refining Company, New York, N. Y. Phytate purification. 2,493,666, Jan. 3.

Gehr, Richard A., Glenville, N. Y., assignor to General Electric Company. Induction heating and quenching apparatus. 2,512,893, June 27.

Gehred, Jerome N., Park Ridge, assignor to Ekco Products Company, Chicago, Ill. Manufacturing spoons or the like. 2,535,406, Dec. 26.

Gehres, Hewitt A., assignor to The Cooper-Bessemer Corporation, Mount Vernon, Ohio. Engine exhaust chamber construction. 2,504,973, Apr. 25.

Gehres, Hewitt A., assignor to Cooper-Bessemer Corporation, Mount Vernon, Ohio. Oscillating blower. 2,511,576, June 13.

Gehret, Ferdinand A., Dayton, Ohio. Curtain rod bracket. 2,512,793, June 27.

Gehrke, Forrest E., Flushing, N. Y., assignor to Sylvania Electric Products, Inc. Color coded tube and method. 2,506,866, May 9.

Gehrke, Lawrence R., Little Chute, Wis. Mechanical nutcracker with reciprocating breaker jaw. 2,505,538, Apr. 25.

Geib, Charles A.: *See*—
Bode, Robert G., and Geib.

Geib, Oliver H., Corunna, Mich. Collapsible canine kennel. 2,498,411, Feb. 21.

Geier, P. A., Company, The, assignee: *See*—
Martinet, Eugene F., and Cedik.

Geier, Walter H., assignee: *See*—
Hildebrant, Vernon H.

Geiger, Edward F.: *See*—
Johnson, Reynold B., and Geiger.

Geiger, Edward F., and R. B. Johnson, Binghamton, assignors to International Business Machines Corporation, New York, N. Y. Retaining ring for dial covers and the like. 2,496,584, Feb. 7.

Geiger, George M., and P. J. Lindner, assignors to H-P-M Development Corporation, Mount Gilead, Ohio. Control circuit for multiple hydraulic press systems. 2,519,900, Aug. 22.

Geiger, George M., and H. M. Purcell, Mount Gilead, Ohio, assignors to H-P-M Development Corporation, Wilmington, Del. Pressure-responsive reversing valve for hydraulic motors. 2,534,966, Dec. 19.

Geiger, John J., Toledo, Ohio. Combined baby coach, baby walker, and parcel carrier. 2,505,323, Apr. 25.

Geiger, John P.: *See*—
Fisher, Robert P., and Geiger.

Geiger, Lyle M., Edgewood, assignor to The Neville Company, Pittsburgh, Pa. Alcohol-soluble aralkyl-phenolic condensation product. 2,502,003, Mar. 28.

Geiger, Lyle M., Edgewood, assignor to The Neville Company, Pittsburgh, Pa. Esters of anthracene acid adducts. 2,511,577, June 13.

Geiger, Lyle M., Edgewood, assignor to The Neville Company, Pittsburgh, Pa. Esters of anthracene acid adducts. 2,511,578, June 13.

Geiger, Max: *See*—
Graenacher, Charles, Usteri, and Geiger.

Geiger, William I., Jacksonville, Fla. Device for obtaining power from moving fluid. 2,518,611, Aug. 15.

Geiges, Alexander J., deceased, by A. S. Geiges, administratrix, East Orange, assignor to The Baker Castor Oil Company, Jersey City, N. J. Cellulose derivative plasticized with an oily diester of a polyhydric alcohol. 2,495,714, Jan. 31.

Geiges, Alice S., administratrix: *See*—
Geiges, Alexander J.

Geigy Company Limited, The, assignee: *See*—
Hobday, Cyril, and Goodall.
Jones, Harry, and Aiken.

Geigy, J. R., A. G., assignee: *See*—
Biedermann, Robert.
Bossard, Werner, and Keller.
Bossard, Werner, and Reding.
Gysin, Hans.
Häusermann, Heinrich.

Geigy, J. R., A. G., assignee: *See*—Continued.
Hindermann, Peter.
Hindermann, Peter, Bossard, and Krebser.
Hodel, Ernst, and Gysin.
Keller, Ernst and Probst.
Keller, Ernst, and Zweidler.
Martin, Henry, and Gysin.
Martin, Henry, Gysin, Neracher, and Hirt.
Martin, Henry, and Margot.
Schlapfer, Hans, and Bindler.
Schmid, Otto, and Buchs.
Schmid, Otto, and Schetty.

Geisecke, Paul, Stamford, Conn., and N. B. Colthup, Yellow Springs, Ohio, assignors to American Cyanamid Company, New York, N. Y. Polishing silver chloride. 2,528,224, Oct. 31.

Geiselman, Ralph A., and E. H. Browning, Jr., Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Arc furnace regulating system. 2,523,110, Sept. 19.

Geiser, Edward M., Downers Grove, assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon type drying oils to effect an improvement in their drying qualities. 2,513,558, July 4.

Geisheck, Charles W., assignor to Burroughs Adding Machine Company, Detroit, Mich. Paper feed device for printing business machines. 2,510,626, June 6.

Geishelmer, Martin, Chicago, Ill. Support for fishing rods. 2,499,821, Mar. 7.

Geisinger, Abraham S., assignee: *See*—
Solomon, Harry.

Geisler, Herbert A., Bristol, R. I. Detachable sailing keel. 2,521,212, Sept. 5.

Geisler, John W., Pittsburgh, Pa. Tank vent. 2,510,098, June 6.

Geisler, Ralph H., and C. H. Skeen, Midland, Tex. Hydraulic drilling machine. 2,534,118, Dec. 12.

Geissbuhler, John O: *See*—
Stone, Joseph E., and Geissbuhler.

Geisse, John H., Madison, Wis. Airplane cross-wind undercarriage. 2,529,932, Nov. 14.

Geisse, John H., Madison, Wis. Airplane cross-wind undercarriage. 2,529,933, Nov. 14.

Geist, Harry H., Frankfort, Ill. Temporary outlet box closure. 2,506,207, May 2.

Geistert, Lewis A., assignor to Simplex Display Fixture Company, Grand Rapids, Mich. Roller mounting for vertical dispensers. 2,493,485, Jan. 3.

Geistert, Lewis A., assignor to Simplex Display Fixture Company, Grand Rapids, Mich. Display dolly. 2,494,997, Jan. 17.

Gelardin, Albert, New York, N. Y. Flat primary battery and cell unit. 2,496,709, Feb. 7.

Gelb, Abe, New Rochelle, N. Y. Inventory indicator. 2,533,883, Dec. 12.

Gelb, Sadye F., assignee: *See*—
Nuenemann, Wallace D.

Gelbman, Inc., assignee: *See*—
Gelbman, Louis.

Gelbman, Louis, assignor to Gelbman, Inc., Yonkers, N. Y. Brick processing machine. 2,502,940, Apr. 4.

Geldhof, Peter E., assignor to Nineteen Hundred Corporation, St. Joseph, Mich. Gas drier. 2,503,330, Apr. 11.

Geldhof, Peter E., assignor to Nineteen Hundred Corporation, St. Joseph, Mich. Gas drier. 2,517,421, Aug. 1.

Geldhof, Peter E., assignor to Nineteen Hundred Corporation, St. Joseph, Mich. Tumbler type hot-air drier having a casing bulkhead. 2,521,712, Sept. 12.

Geldhof, Peter E., and L. Ringer, assignors to Nineteen Hundred Corporation, St. Joseph, Mich. Automatic clothes cleansing apparatus. 2,498,885, Feb. 28.

Geldhof, Peter E., and C. E. Morgenstern, assignors to Nineteen Hundred Corporation, St. Joseph, Mich. Clothes drier. 2,503,329, Apr. 11.

Geldhof, Peter E., and L. Ringer, assignors to Nineteen Hundred Corporation, St. Joseph, Mich. Drive mechanism and control therefor. 2,508,601, May 23.

Geldhof, Peter E., and L. Ringer, assignors to Nineteen Hundred Corporation, St. Joseph, Mich. Automatic washing, rinsing, and drying machine. 2,521,159, Sept. 5.

Geldhof, Peter E., and L. Ringer, assignors to Nineteen Hundred Corporation, St. Joseph, Mich. Washing machine. 2,526,344, Oct. 17.

Geller, George, Yonkers, N. Y. Toy baseball game device. 2,522,262, Sept. 12.

Gellman, Harold, Brooklyn, N. Y. Forehead lamp device for doctors. 2,517,422, Aug. 1.

Gelman, Harry A., assignor to Comfort Lines, Inc., Chicago, Ill. Seat construction for stools and the like. 2,498,837, Feb. 28.

Gellman Manufacturing Company, assignee: *See*—
Petskeyes, Charles H.

Gelzer, John R., assignor to Raytron, Inc., Jackson, Mich. Power supply assembly. 2,499,912, Mar. 7.

Gemex Company, assignee: *See*—
Prestinari, Eugen, and Sand.

Gemsco Inc., assignee: *See*—
Elkies, Harry.

Gendler, Lewis A., Brooklyn, assignor to Gunlite Inc., New York, N. Y. Pistol simulating cigar and cigarette lighter. 2,513,717, July 4.

Gendron, Elmer H., assignee: *See*—
Meese, Derald E.
Geneck, Harry, Spokane, Wash. Refrigerated display case having humidifying means. 2,531,506, Nov. 28.
General American Transportation Corporation, assignee: *See*—
Chelminski, Roman.
Coffey, James R.
Dunn, William J., and Richolt.
Toops, Glynn H.
General Aniline & Film Corporation, assignee: *See*—
Amon, William F., Jr.
Anish, Alfred W.
Anish, Alfred W., and Clark.
Anish, Alfred W., and Hensley.
Ayo, Jackson J., and Gajewski.
Barnes, Carl E.
Barnes, Carl E., and Ney.
Beller, Hans, and Altmann.
Bergstrom, Herman A.
Bestehorn, Henrich H., and Morgan.
Botkin, Carl.
Buc, Saul R.
Busse, Warren F.
Busse, Warren F., and Dailey.
Busse, Warren F., Lambert, and Debye.
Christ, Robert E.
Coles, Robert F.
Copenhaver, John W.
Copenhaver, John W., and Sargent.
Copes, Joseph P., and McKinley.
Coroniti, Samuel C., Schmidt, and Baldwin.
Craig, Winfred C.
Derbyshire, Henry G.
Enyeart, Charles R.
Fahnoe, Frederick.
Fox, Arthur L.
Freudenberg, Werner
Grimmel, Harry W., and Guenther.
Grimmel, Harry W., and Morgan.
Gross, Siegfried T.
Haff, Richard M.
Hanford, William E.
Harsh, Harold C., and Bates.
Heimbach, Newton.
Jacobson, Carl H.
Jelinek, Charles F.
Jones, Giffin D.
Jones, Giffin D., and Barnes.
Kaszuba, Frank J.
Kimble, Roger L.
Leonard, John E.
Max, Fritz, and Randall.
Max, Fritz, and Schmidt-Nickels.
Mayhew, Raymond L.
McKinley, Clyde.
McNair, Hugh N.
Morgan, Jack F., and Grimmel.
Mueller, Fritz W. H.
Ney, William O., Jr.
Orkin, Bernard A.
Peterson, Willard D.
Randall, David I.
Randall, David I., and Buc.
Randall, David I., and Renfrew, Jr.
Reckmeyer, Verne.
Roberts, Stiles M.
Roehrl, Bruno C.
Runyan, Ivy V.
Sanders, Herbert L.
Sargent, Donald E.
Sargent, Donald E., and Gunther.
Schildknecht, Calvin E.
Schmidt, Willy A., and Gunther.
Schmidt, Willy A., and Sprung.
Schmidt-Nickels, Wilhelm.
Schoen, André.
Schofield, Harold E.
Slifkin, Sam C.
Slifkin, Sam C., and Trojnar.
Slifkin, Sam C., and Unkauf.
Sprung, Joseph A., and Schmidt.
Straley, James M.
Streck, Clemens.
Takats, Zoltan.
Taras, John.
Thompson, Henry T.
Thompson, Thomas R.
Trump, Frederick O.
Trump, Frederick O., and Bishop.
Tulagin, Vsevolod, and Coles.
Tulagin, Vsevolod, and Schmidt.
Unkauf, Henry C.
Vogt, Curt G.
Vogt, Curt G., and Marschall.
Vogt, Curt G., and Verdery.
Von Glahn, William H.
Von Glahn, William H., and Stanley.
Von Glahn, William H., Stanley, and Hand.
Von Glahn, William H., Stanley, and Parker.
Wasley, William L.
Wiesehahn, Gustav A.
Wilkinson, Joseph M., Jr.
Willcox, Frederick P.
General Aniline & Film Corporation, assignee: *See*—Con.
Williams, William A.
Zimmerman, Bernhard G.
General Baking Company, assignee: *See*—
Wolff, Paul A
General Binding Corporation, assignee: *See*—
Emmer, Charles E.
General Box Distributors, assignee: *See*—
Burkholder, Claude A.
General Bronze Corporation, assignee: *See*—
Breese, Robert P.
Danielsen, August A., and Schleret.
Finley, Harold L.
Peremi, Edmund, and Weimann.
General Cellulose Company, Inc., The, assignee: *See*—
Taggart, Donald C.
General Controls Co., assignee: *See*—
Biggle, Laurence C.
Cairns, Frederick E., Jr.
Matteson, Harold J.
Paille, Eugene.
Ray, William A.
Ray, William R.
Sagar, Paul B.
General Dairy Equipment, Inc., assignee: *See*—
Cornell, Fritz G., Jr.
General Detroit Corporation, The, assignee: *See*—
Hinkson, Edgar L.
General Drainage & Pipe Cleaners, Inc., assignee: *See*—
Wachta, Victor.
General Electric Company, assignee: *See*—
Abbott, Roy W.
Abbott, Royal K., Jr.
Adams, George M.
Adams, John Q.
Adams, Roy L.
Adamson, Arthur P.
Ahles, Robert D.
Aitchison, Thomas C., and Easley.
Akeley, Lloyd T.
Akeroyd, Julius A.
Alexanderson, Ernst F. W., Patterson, and Sims.
Amsden, Ralph D.
Anderson, Marshall.
Apker, Le Roy.
Apker, LeRoy, and Kahnke.
Austin, Kirby B.
Bachman, William S.
Bailey, Francis M.
Balachowsky, Georges.
Bany, Herman, and Seeley.
Barr, Samuel R.
Barrell, Robert W.
Barry, Theodore M., and Samsel.
Bauersfeld, Charles F., and Edwards.
Baumgartner, George R.
Bazley, Carl E.
Beard, Lee R.
Becker, Howard I.
Beckwith, Robert W.
Beggs, James E.
Bellows, Guy, Jr.
Bennett, Maurice E.
Bensen, Igor B.
Benson, John A.
Bernstein, Stanley.
Berry, Robert U.
Berry, Theodore M.
Berry, Theodore M., and Clark.
Beurtheret, Charles A. E.
Beymer, Oliver H., and Nesbit.
Bias, Frank J., and Lord.
Bischoff, Alfred F.
Bishop, Nathaniel.
Bivens, Maurice E.
Blodgett, Katharine B., and Schaefer.
Bloomberg, David J.
Bluestein, Ben A.
Boddy, Edwin H.
Bohrer, George J.
Boisseau, Alexander C., and Beatty.
Bold, Ralph E.
Bondley, Ralph J.
Bovey, Donald E.
Bowers, Benjamin N.
Boyajian, Aram.
Bradley, Harl C.
Breadner, Robert L., Jenkins, and Simms.
Brewer, Stuart D.
Britain, Aubrey A., and Strode, Jr.
Brown, Burton P., Jr.
Buck, Gaylord B., II.
Buckley, Joseph J.
Bullard, Robert O., and Parker.
Burgess, Wesley D.
Burnot, Joseph A.
Butler, Henry E.
Camilli, Guglielmo.
Campbell, John H.
Canada, Alfred H.
Carbary, Richard J.
Cartun, Paul O.
Casagrande, Anthony J.

General Electric Company, assignee: *See*—Continued.
Cass, William E.
Cates, Julius.
Chamberlain, Harvey H.
Chapman, James K.
Cisler, Marvin C.
Civkin, Victor, and Macari.
Clack, Basil N., and Hills.
Clapp, Charles W.
Clark, David L., and Young.
Clark, Edward B.
Clark, Frank M.
Clarke, Varro J.
Clawson, John H.
Cobine, James D.
Coggeshall, Thellwell R.
Cook, Stanley V., and Bishop.
Coolidge, Arthur W., Jr., and Peck.
Corson, Almon J., and Rich.
Coutant, Edward R.
Crago, Harry R.
Craig, Charles W.
Craven, Kenneth C.
Crawford, Clinton W.
Crowley, George C.
Daly, Loretta M.
Davidson, Wilson.
Davies, Leonard J., Rushforth, Sinclair, and Milner.
Davis, Fred.
Davis, Maurice F.
Dayton, Carl S.
Dazley, Frederick C.
Delvaux, Jean L.
Desch, Philip F., Garr, and Edwards.
Devine, George F.
De Walt, Kenneth C.
Dillow, Noel E.
Dinger, Edward H., and Thatcher.
Doak, Robert A.
Dome, Robert B.
Downes, Lloyd C., and Wiggin.
Downie, John W.
Dunn, Cecil G., and Johnson.
Dupuy, Joseph E.
Dyson, James.
Eaton, John.
Eber, Leonard K.
Edwards, Martin A., and Bauersfeld.
Edwards, Martin A., and Lewis.
Edwards, Martin A., and Merrill.
Edwards, Russell N.
Ellenberger, Francis R.
Elliott, John R., and Krieble.
Epremian, Edward.
Eros, Stephen, and Hermanson.
Evans, Edmund A., and Porter.
Faus, Harold T.
Favre, John A.
Fehr, Edith B., and Schultz.
Fiedler, Edmond F., and Lucas.
Fiene, Marcus E.
Finlayson, Frank E.
Fiske, Milan D.
Fiske, Milan D., and Nelson.
Fletcher, George H.
Flowers, Ralph G.
Flowers, Ralph G., and Leola W.
Flurscheim, Cedric H.
Flynt, Frank V.
Fonda, Gorton R.
Forker, Gordon M.
Foster, Raymond F.
Fowler, Francis R.
Frech, Theodore W.
Froelich, Herman C.
Fyler, George W.
Gaerttner, Erwin R., and Yeater.
Gail, Stewart E.
Gardiner, Paul C.
Gardiner, Paul C., and Frick.
Gaskill, Alfred T., and Bock.
Geary, Henry R.
Gehr, Richard A.
Gethmann, Richard B.
Gilmore, Arville W., and Koger.
Glick, Sylvan G.
Goetter, William F.
Goldstein, Max.
Gooskens, Henricus, Elenbaas, and Padmos.
Goss, Wesley R., and Roemke.
Grant, Eduard T.
Graves, William L. O.
Gray, Willard F. M.
Gray, William T.
Greer, Lanier.
Greiner, Alfred.
Greiner, Alfred, and Adams.
Greiner, Alfred, and Seitz.
Grosh, Gerald G.
Grothouse, Frank T.
Grumblatt, Victor J.

General Electric Company, assignee: *See*—Continued.
Gurewitsch, Anatole M.
Guy, Glen E.
Hahn, William C.
Haley, Shubel C.
Hall, Chester I.
Hamala, Edwin A.
Hamm, Clarence L.
Hamvas, Laszlo U.
Hansen, Albert, Jr.
Hanson, Earl C., and Watts.
Harker, David.
Harrington, Richards H.
Harvey, Bernard A., and Peterson.
Hawkins, Frank S., and Pearce.
Hayner, George P.
Hayward, Claude D.
Hehenkamp, Theodorus, and de Jong.
Hemphill, Lawrence F.
Hermann, Benjamin R., and Flanagan.
Hermann, Benjamin R., and Smith.
Hewson, Charles R.
Hickey, John S., Jr.
Higgs, George R.
Hilderink, Johannes H.
Hinman, Donald D.
Hobson, Robert R.
Holden, Harold C.
Hollingsworth, Guilford L.
Holmgren, Viking R.
Hopkins, Richard J., and Sproull.
Horstman, Walter F.
Houser, Philip H.
Howe, Edward G.
Hughes, Philip G.
Hunt, William R.
Hunter, James P., and Cawl.
Huntington, Sidney O.
Hutt, Philip.
Ipsen, Carl L., and Jones.
Jacob, Don M.
Jacobs, Stephen.
Jacobsen, Henry W.
Jarvie, Alexander G., and Hannon.
Jenne, Frank, Jr.
Jensen, Richard C.
Johnson, Frithiof V.
Johnson, Lyman B.
Johnson, Robert B., Jr.
Jones, David J., and Williams.
Jones, Norman B., and McFarland.
Jones, Shannon.
Kalb, John W.
Kassab, George.
Kearsley, William K.
Keister, James E.
Keitley, Robert.
Kelling, Leroy U. C., and Sheets.
Kellogg, Harry L., and Bedford.
Kern, Edward A.
Kern, Edward A., and Abbott, Jr.
Kimball, Robert H.
Kluender, Edward C.
Koch, Arthur R.
Krieble, Robert H.
Krieble, Robert H., and Elliott.
Kroger, Ferdinand A., and Voogd.
Kurtz, Lowell M.
Lafferty, James M.
Lafferty, James M., and Sharbaugh.
La Flamme, Louis D.
Langmuir, Robert V., Pollock, and Westendorp.
Larkin, Thomas E.
Lathrop, Harold F.
Lawrence, Benjamin J.
Leigh, Henry H.
Leighton, Leroy G.
Lemmers, Eugene.
Lemmers, Eugene, and Keiffer.
Lennox, Thomas H.
Leonard, Vincent W.
Levine, Samuel J.
Lewis, Richard N.
Lillquist, Torsten O.
Lincks, George F.
Linn, Frank C.
Livingston, Orrin W.
Lootens, William F.
Lopez, Francisco G.
Lord, Harold W.
Loritsch, John A.
Loveland, Robert P.
Lubahn, Jack D.
Lum, Walter O.
Lundberg, John E., and Ballard.
MacGregor, William F.
Macintyre, John R., and Davis.
Mandl, Arthur.
Manke, Arthur G.
Manke, Arthur G., and Gardiner.
Mannal, Clifford.
Mares, Virgil L.

General Electric Company, assignee: *See*—Continued.
Marette, Ralph T.
Marsden, James.
Marshall, Daniel Q.
Martin, Eric H. B.
Martin, Harold M.
Maseritz, Bernard D.
Mason, Charles R., Crary, and Kennedy.
Mathes, Kenneth N.
Maugé, Maurice.
Mayer, Harry F.
Mayor, Harry A., and Burgess.
McArthur, Elmer D.
McArthur, Elmer D., and Beggs.
McClain, Joseph W.
McConnell, Andrew J.
McFarland, Donald L.
McFarland, George L.
McFarland, George L., Jr., and Goetz.
McIver, William K.
McKinsey, Clarence E.
McMahan, Kenton D.
Meier, Edwin H.
Merrill, Frank W.
Mershon, Alfred V.
Metcalf, George F.
Michel, Philip C., and Rich.
Mikelson, Walter.
Miles, George N.
Miller, Harry F., and Flowers.
Miller, Homer H.
Miner, Carroll R.
Minneci, Salvatore.
Mittermaier, Armin F.
Moe, Robert E.
Moir, James.
Moore, Robert E.
Moore, Samuel L.
Moran, Don E.
Moran, Don E., and Jarvis.
Moriarty, Charles D.
Morrill, Weston.
Morrill, Weston, Dunn, and Ward.
Morris, William C.
Morton, Cecil J., and Woodfield.
Mounce, Alfred R.
Moyer, Elmo E., and Quill.
Mulhern, Marvin J.
Murdick, Robert.
Mynall, Dennis J.
Navias, Louis.
Nelson, James E., Bosworth, Percy, Balne, and Holman.
Nelson, Richard B.
Newall, Heber L.
Newell, James K., Jr.
Niles, Everett.
Nobbs, Albert R.
Noel, Edward B.
Nordlander, Birger W., and Loritsch.
Norgaard, Donald E.
Ogden, Harold S.
Omley, Herbert A.
Oppel, John A.
Padmos, Adriaan A., and Schouwstra.
Palmer, John H.
Paluev, Konstantin K.
Patnode, Winton I.
Patnode, Winton I., and Elliott.
Patterson, Franklin G.
Paul, William E.
Pease, Walter L.
Pennell, William C.
Perolini, Marcel.
Peters, Leo R.
Peters, Philip H., Jr., and Blewett.
Pettibone, George H., and Bower.
Pettit, Ward H.
Phillipi, Earl L., and Smith.
Phillips, Henry W.
Piercy, Carl A., and Kent.
Pifke, Edgar A.
Pipkin, Marvin.
Pistey, John M., and De Reamer.
Pohl, Robert.
Posey, William T.
Potts, Phil S.
Power, Ernest B.
Powers, James H.
Price, David R., and Grayson.
Price, Harvey N.
Pulaski, John W.
Quinn, Frederic R.
Randall, Robert P.
Ranks, John E.
Ransley, Charles E.
Reardon, John W., and Baker.
Reardon, Robert T.
Reid, Ralph A.
Reinker, Gerald E.
Relyea, Walter I.
Rich, Theodore A.
Richert, Abraham J., and Steele.
Riggs, Murray L.

General Electric Company, assignee: *See*—Continued.
Rochow, Eugene G.
Rogers, George L.
Rothe, Frederick S.
Rouault, Charles L.
Rowell, Ralph M.
Safford, Moyer M.
Sage, Craig M.
Sauer, Robert O.
Scarbrough, Harry E., and Jones.
Schaefer, Vincent J.
Schaefer, Vincent J., and Vonnegut.
Scheldorf, Marvel W.
Scheuermeyer, Emil.
Schild, Charles A., and Stapleton.
Schlafly, Hubert J., Jr.
Schmidt, August, Jr.
Schneider, Fred B.
Schneider, Harold N.
Schnell, Frank A., and Thearle.
Schouwstra, Pieter, and Mutsaers.
Schroeder, Ewald E.
Schumacher, Frank A.
Schwarz, Bertram A., and Fichter.
Scoles, Graham J.
Scott, Benjamin B., Greene, and Coggeshall.
Scott, Hoyt S.
Scott, William J.
Sear, Arthur W.
Seaward, Carl R.
Sederquist, Carl E.
Seeley, Harold T.
Settle, Joseph F.
Shaw, Robert J.
Shea, Richard F.
Shell, Ernest F.
Shepard, Billy R.
Sheppard, Raymond.
Short, Thomas T.
Sias, Frederick R.
Sills, Hubert R.
Silvey, John O.
Skeats, Wilfred F.
Skeats, Wilfred F., and Coggeshall.
Smalley, Dean F.
Smith, Archie E.
Smith, Henry M.
Smith, Norman A., and Fridell.
Smith, Sidney R., Jr.
Smoluchowski, Roman.
Somerville, Gareth G.
Somerville, Thomas B.
Spicer, Curtis D., and Casler.
Spofford, Warren A.
Spooner, David C., Jr.
Spooner, David C., Jr., and Crowley.
Sprenger, George W.
Springer, Elmer E.
Sproull, Reavis C., and Staats.
Sprung, Murray M.
Staley, Ronald W.
Starkey, Neal E.
Stauffer, Lynn H., and Pashley.
Steenstrup, Christian.
Stephenson, Hugh M.
Stimson, Allen G.
Stone, Joseph E.
Stone, Joseph E., and Geissbuhler.
Storm, Herbert F.
Strobel, Rudolph W.
Stuart, Raymond H.
Stuart, Raymond H., and Ayres.
Suhr, Fred W.
Sullivan, Earle C.
Sutherland, James R.
Sutter, Walter E., and Custin.
Swenson, Alfred G.
Taylor, Clement F., McCarty, and Stimson.
Teare, William H.
Terpak, Stephen.
Thiess, Ludwig E.
Thomas, Charles A.
Thomas, Henry P.
Thompson, William E.
Timmerman, Julius W., Jr., and Bold.
Truesdell, Francis W.
Turpin, William W.
Tustin, Arnold.
Tuthill, Roger W., and Welch.
Twele, Karl A. W., and Canner.
Unger, Magnus.
Vahle, Julius.
Vahle, Julius, and Heath.
Valentine, Harold E.
Van der Poel, Johannes M.
Van Horn, Irving H.
Van Liempt, Johannes A. M.
Van Nest, Francis H.
Vaughan, Daniel J.
Vezey, Edward E., Jr.
Vienneau, Jacob J.
Von Hoorn, Fred G.
Vonnegut, Bernard.
Waggoner, George F.

General Electric Company, assignee: *See*—Continued.
Wagner, Ernest A.
Wales, Lawrence B.
Wales, Lawrence B., and Linn.
Walle, Ludwig S.
Walters, Theodore R.
Warrington, Albert R. van C.
Waterton, Frank.
Weaver, Richard T., and Hundstad.
Webb, Donald R.
Weeks, Walter R.
Weiser, Earnest F.
Wendt, Harry C.
Westendorp, Willem F.
Wetherill, Lynn.
White, William C.
Whiting, Max A.
Whitman, Lawrence C.
Wiggin, Joseph F.
Wightman, Laurance W.
Wilbur, Donald A.
Wilcox, Hayden G., Jr.
Willits, Glenn D.
Willits, Glenn D., and Wightman.
Wilson, Walter R.
Wilson, Wayne E.
Winn, Oliver H.
Winslow, Arthur F., and Balis.
Wintle, Harley C.
Witkowski, Raymond J.
Wood, Robert F.
Woodfield, Thomas H., and Morton.
Woodson, Thomas T.
Woodson, Thomas T., and McNairy.
Worcester, Joseph A., Jr.
Wotring, Gaylord H.
Wurster, John H.
Yates, Charles G., Jr.
Yoder, Joe.
Yoder, Joe, and Auth
Young, Allan M.
Young, Gerald W.
Young, James F.
Young, James F., and Dayton.
Young, William R.
Zabel, William P.
Zeit, Elmer J.
Zickrick, Lyall.
Zimmer, John S.
Zimmerman, Stanley W.
Zimmermann, Steven A.
Zuerker, Siegfried.
Zyta, Leon H.

General Electric Company, Limited, The, assignee: *See*—
Caldwell, John T.
Fairbairn, Eric P., and Chubb.
Friedlander, Erich S
Levy, Maurice M.
Smyth, John B. S.
Sowter, Anthony B.
Wooster, Nora A. and W. A., and Fielding.

General Electric X-Ray Corporation, assignee: *See*—
Gaul, Clyde.
Kizaur, Arthur J.
Vlach, John J.
Zunick, Michael J.

General Engineering Company (Canada) Limited, The, assignee: See—
Segsworth, Robert S.

General Engineering and Drydock Company, assignee: *See*—
Tydeman, Clarence W.

General Engineering & Manufacturing Company, assignee: *See*—
Gygax, Ernest.

General Finance Corporation, assignee: *See*—
Blomgren, Oscar C.

General Fireproofing Company, The, assignee: *See*—
Shook, Richard E.
Thomas, Howard P., and Swimmer.

General Foods Corporation, assignee: *See*—
Alderman, Mattison W.
Kaufman, Charles W.
Mitchell, William A.
Olsen, Aksel G.
Shuman, Albert C.

General Hardware Mfg. Co. Inc., assignee: *See*—
Polkosnik, Bernard L.

General Hospital Supply Service, Inc., assignee: *See*—
Fairlamb, George R.

General Industries Company, The, assignee: *See*—
Fisher, Berne N.
Gay, Paul S.
Merriam, Frank R., Jr.
Slough, Frank M.
Van der Woude, Fritz R.

General Instrument Corporation, assignee: *See*—
Bernstein, Jack J.
Fisher, Berne N.
Gersch, Adolph E.

General Metalware Company, assignee: *See*—
Bentzen, Max T.

General Mills, Inc., assignee: *See*—
Aelony, David.
Anderson, Helmer.
Aske, Leonard E.
Bagby, William H.
Brastad, William A., and Borchardt.
Elverum, Gerard W.
Floyd, Don E.
Graham, Maurice H., and Polivka.
Hakomaki, Raymond I.
Jakobsen, Jakob L.
Long, George.
Moe, Owen A.
Moe, Owen A., and Warner.
Ramstad, Paul E., and Anker.
Ramstad, Paul E., Young, and Esser.
Roach, John R., and Wittcoff.
Salo, Paul W., and Huber.
Schweiso, Clifford C., and Polivka.
Warner, Donald T., and Moe.
Winzen, Otto C.
Wittcoff, Harold.
Wittcoff, Harold, and Roach.

General Motors Corporation, assignee: *See*—
Alexander, Donald F.
Alexander, Donald F., Kuhn, and Hornaday.
Allen, Everett W.
Alspaugh, Samuel W., and Nickel.
Anderson, Louis A., and Pearson.
Aurand, Cecil C., and Watrous.
Bertsche, Ralph, Jr.
Bidwell, Joseph B., and Underwood.
Blanchard, Werner J., and MacNeil.
Blomberg, Martin P.
Boretti, Napoleon P.
Brams, Stewart L.
Brown, William E.
Brown, William E., and Lawson.
Browne, Donald B., and Buckman.
Burge, James S., McKee, and Rider.
Burkhardt, Thomas E.
Candor, Robert R.
Caris, Darl F., and Perkins.
Carlson, Wilbur L.
Clark, Kendall.
Clason, Bertil H.
Claytor, Edward M.
Cooper, Lonzo S.
Coppock, Kenneth E., and Limberg.
Cramer, Raymond H.
Critchfield, Robert M., and Schneider.
Daily, Robert A.
Daily, Robert A., Hindall, Mahoney, Miller, and Bish.
Dilworth, Richard M.
Dinsmore, Albert P.
Dixon, Ramon V.
Dow, William G., Early, and Gomberg.
Dybvig, Edwin S.
Eichner, Ferdinand R.
Erickson, Anton F.
Erwin, Wesley S.
Finigan, Abdrew G., Bruchtel, and Blomberg.
Fitzsimmons, John T.
Fletcher, William A., Sample, and Todd.
Frier, Billy E.
Funkhouser, Mearick.
Gaubatz, Arthur W., and Wheatley.
Gaugler, Richard S.
Georgiev, Alexander M., and Campbell.
Geyer, Howard M.
Geyer, Howard M., and Carson.
Gibbons, Harold R.
Hahn, Rea I.
Hahn, Rea I., and Snyder.
Harrold, Marshall C.
Hartzell, Herman L.
Hendricks, Walter H.
Henney, Charles F.
Hiday, John B.
Holmes, John R., May, and Hayden.
Jacobs, James W.
Jagen, Theodore A.
Jergenson, George A.
Johnston, Hal C.
Jorgensen, Clarence H., and Dermond.
Jorgensen, Clarence H., and Taylor.
Kamrath, Herbert G.
Karcher, Harry C., and Gerdan.
Kelley, Oliver K.
Kieser, Roy F.
Krause, Herbert A.
Krause, Theodore P.
Kuhn, George.
Lawson, John W., and Brown.
Libert, Maurice C.
Light, James W.
Liston, Max D.
Little, John H., and Rady.
Lundius, Alton H.
Luncke, Louis C.
Lutz, Edward H.
MacNeil, Charles S. J., Haines, Moore, and Carson.
MacNeil, Charles S. J., Haines, Moore, Mack, and Carson.

General Motors Corporation, assignee: *See*—Continued.
MacPherson, Earle S.
Martin, Thomas B., and Berninger.
Martin, Thomas B., Berninger, Haines, May, Theobald, Taylor, and Neudeck.
Martin, Thomas B., and Williams.
May, James R.
May, James R., Haines, and Richardson.
McCormick, Francis H.
McCormick, Francis H., and Clark.
McDowall, Charles J., Storer, Jr., and Richards.
Means, Ralph P., Jr.
Muzzey, Benjamin C.
Muzzey, Clifford L., and Dunn.
Nichols, Charles A., Bower, Edwards, Fletcher, McCoy, Sample, and Weiser.
Nichols, Charles A., Todd, Fletcher, and Keller.
Pearce, George C.
Petersen, Ludvig.
Pfeiffer, Wilbur H.
Picon, Josue R.
Preston, Charles C.
Rady, William J.
Rady, William J., and Rice.
Rataiczak, Francis I.
Reeves, Donald H.
Richardson, David A., Robinson, Martin, and Duer.
Riley, Frank O., and Anderson.
Roedding, Gordon E.
Roedding, Gordon E., and Mead.
Rossman, Edwin F.
Rydner, Gustaf W., and Collins.
Sampson, Frederick W.
Schjolin, Hans O.
Schneider, Paul L., Nighbert and Cromwell.
Schultz, Harold W.
Schwartzwalder, Karl, and Smith.
Schwarz, Bertram A.
Schwarz, Bertram A., and Fichter.
Schwarz, Bertram A., Stelzl, and Wright.
Schweller, Edmund F.
Seger, Elbert E.
Semar, Claude S.
Sheley, Wayne H.
Shippy, Leo C., and Sy.
Sisson, Kenneth O.
Steeg, Donald J.
Stevens, Clarence C.
Tanner, Samuel B.
Tynan, Andrew G., and Guyton.
Underwood, Arthur F., and Stone.
Van Degrift, Thomas C.
Wagner, Arthur N.
Wagner, Robert M.
Watt, Andrew K.
Welch, Theodore R.
Werner, Calvin J.
Wernig, James H., and Cripps.
Williams, Lawrence, and Vosler.
Wirt, John R., and Sheley.
Wittlinger, Leonard M.

General Nailing Machine Corporation, assignee: *See*—
Benson, Harry D.
Paxton, Gerald C.

General Oil Burner Corporation, The, assignee: *See*—
Nest, Richard E.

General Outdoor Advertising Co., Inc., assignee: *See*—
Bauers, Alexander L.
Bauers, Alexander L., and Rosner.
Covington, Charles W., and Mann.

General Plywood Corporation, assignee: *See*—
Kruse, Paul H., and Rucker.

General Precision Laboratory Incorporated, assignee: *See*—
Garman, Raymond L., and Gillette.
Gray, John W.
Greenwood, Ivan A., Jr., and Hales.
Paine, George R., and Platt.
Palmer, James P.
Pourciau, Louis L., and Garman.
Washburne, Brenton P., and Eyster.

General Railway Signal Company, assignee: *See*—
Abernethy, Harry D.
Barker, William M., and Bechtold.
Brockman, Lyle.
Coley, Nelson B.
Craig, Frank S.
Curran, John W.
Edwards, Donald V.
Field, Oscar S.
Field, Oscar S., and Wight.
Field, Oscar S., Wight, and Hewes.
Freehafer, John E.
Freeman, Sydney W.
Hagenbach, George O.
Haner, Robert B.
Hughson, J. Donald.
Knapp, James W.
Lundy, Beverly A.
Merkel, Joseph F.
O'Brien, John C.
O'Brien, John C., and Haner.
Preston, Neil D.

General Railway Signal Company, assignee: *See*—Con.
Preston, Neil D., and Hitchcock.
Saint, Samuel P.
Sedgwick, Oscar S., Wight, and Hewes.
Vaughn, John I.
Willing, Joseph E., and Duffy.
Willing, Joseph E., Duffy, and Stevenson.

General Refractories Company, assignee: *See*—
Heuer, Russell P.

General Register Corporation, assignee: *See*—
Freedman, Benjamin H.

General Sales Company of Cadillac, assignee: *See*—
Grecley, Leo O.

General Steel Castings Corporation, assignee: *See*—
Howard, Karl S.
Jackson, Edwin C.
Travilla, James C., Jr.

General Steel Warehouse Co., Inc., assignee: *See*—
Waldherr, William A.

General Time Corporation, assignee: *See*—
Deimel, Richard F., and Black.
Kaefer, Martin H., and Bassett.
Kennedy, Jesse J., and Olinger.
Kennedy, Jesse J., and Traeger.
Olinger, Robert.

General Tire & Rubber Company, The, assignee: *See*—
Bachman, Gustave B., and Stempel.
Bennett, John R.
Beward, Chalmer L.
Breth, Walter J.
Dodge, Howard M.
Engler, Max.
Iredell, Robert, Jr.
Kelly, John H., Jr.
Kraft, Herman T., McCoy.
Kuffler, Roland I.
McKinney, Carlos J.
Pfeiffer, Paul O.
Winkeljohn, Thomas H.

Genesee Research Corporation, assignee: *See*—
White, Chester M.

Genesen, Charles L., Argo, Ill. Stationary safety jack. 2,535,407, Dec. 26.

Geneva Processes, Inc., assignee: *See*—
Iredale, Henry D.

Geneva Steel Company, assignee: *See*—
Richards, Edwin R.

Genin, Georges A. V. J., Nanterre, and W. Albrand, assignors to Compagnie Generale d'Electricite, Paris, France. System for controlling the charging of storage batteries. 2,514,235, July 4.

Genlott, Sven Olof, Hammarbyhojden, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Electric heating unit. 2,525,030, Oct. 10.

Genone, Louise P., San Diego, Calif. Dancing doll. 2,530,610, Nov. 21.

Gent, Alfred W., and P. J. Wallis, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Impedance transformer for coaxial lines. 2,533,239, Dec. 12.

Genter, Albert L., Baltimore, Md., and C. C. Kennedy, San Francisco, Calif. Sewage treatment process. 2,528,649, Nov. 7.

Genthe, Henry A., Burlington, Colo. Snowplow. 2,493,667, Jan. 3.

Gentile, Vincenzo J., Hartford, Conn. Pot cleaner. 2,498,803, Feb. 28.

Gentile, Vincenzo J., Hartford, Conn. Book match cover. 2,510,217, June 6.

Gentry, Carlyle W., assignor to Gentry Corporation, Bluefield, W. Va. Machine for making sandwiches. 2,521,213, Sept. 5.

Gentry, Clarence M., and F. G. Parrott, Gastonia, N. C. Tape cylinder mounting. 2,496,464, Feb. 7.

Gentry Corporation, assignee: *See*—
Gentry, Carlyle W.

Gentry, James P.: *See*—
Hott, Ion V. K., and Gentry.

Gentry, William M.: *See*—
Mullins, William H., and Gentry.

Genua, Frank A., Waterbury, Conn. Machine for forming flat coils of wire. 2,513,164, June 27.

Genz, Herman A., Elmhurst, assignor to Ditto, Incorporated, Chicago, Ill. Liquid applicator for duplicating machines. 2,534,765, Dec. 19.

Geoghegan, John J., assignor to Philco Corporation, Philadelphia, Pa. Making fluorescent screens, including the elimination of copper impurities. 2,531,618, Nov. 28.

Geophysical Service, Inc., assignee: *See*—
Olson, Robert W.
Williams, Floyd J.

George, Charles B.: *See*—
Nieland, William L., Maguire, George, and Kahler.

George, Edgar C., Cincinnati, Ohio, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Die cast rotor with tubular inserts embedded in destructible material. 2,504,823, Apr. 18.

George, Edgar C., Cincinnati, Ohio, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Removable spacing die for casting rotors with ventilating ducts. 2,504,824, Apr. 18.

George, Edwin S., Bloomfield Hills, and H. L. Blydenburgh, Highland Park, assignors to The Moto-Mower Company, Detroit, Mich. Driving mechanism for power lawn mowers. 2,519,039, Aug. 15.

George, Elgin C., Santa Monica, Calif., assignor of one-half to V. R. Springer, Cleveland, Ohio. Lubricating means for musical instruments. 2,511,255, June 13.

George, F. C., Machine Company, assignee: *See*—
George, Walter R.

George, Harry F., Chicago, Ill. Buckle. 2,511,579, June 13.

George, Joseph F., Crows Landing, Calif. Fruit picker. 2,516,622, July 25.

George, Kenyon P.: *See*—
Cary, Henry H., and George.

George, Nelson C., Crown Point, and R. C. Haab, Gary, Ind., assignors to Carnegie-Illinois Steel Corporation. Manufacture of tin plate. 2,497,164, Feb. 14.

George, Nils N., and R. V. Kline, assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electrical regulator. 2,504,017, Apr. 11.

George, Stewart E., Hartford, Conn. Wallpaper supporting bracket. 2,505,109, Apr. 25.

George, Walter C., assignor to Gaylord Container Corporation, St. Louis, Mo. Pallet construction. 2,501,506, Mar. 21.

George, Walter C., St. Louis, and A. P. Klasing, Webster Groves, assignors to Gaylord Container Corporation, St. Louis, Mo. Manufacturing collapsible cellular container partitions. 2,494,437, Jan. 10.

George, Walter R., assignor to F. C. George Machine Company, Orlando, Fla. Roller surfacer for concrete blocks. 2,495,960, Jan. 31.

George, Willard C., Daytona Beach, Fla. Mileage and route indicator. 2,503,255, Apr. 11.

George, William L.: *See*—
Eberl, James J., and George.

Georgeff, Vasil: *See*—
Danly, Philo and H. G., and Georgeff.

Georgeff, Vasil, assignor to Danly Machine Specialties, Inc., Chicago, Ill. Multiple action power press. 2,503,037, Apr. 4.

Georgeff, Vasil, assignor to Danly Machine Specialties, Inc., Chicago, Ill. Power press eccentric gear cap. 2,511,978, June 20.

Georgia Kaolin Company, assignee: *See*—
Lyons, Sanford C., and Dallmus.
Whittaker, Harry.

Georgiev, Alexander M., and J. J. Campbell, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Electrolyte. 2,505,180, Apr. 25.

Georgion, Melton M., Washington, D. C. Computing and measuring instrument. 2,517,196, Aug. 1.

Georgiou, William G., Chicago, Ill. Regulating gas burner. 2,503,038, Apr. 4.

Georse, William F., assignor to J. H. Williams & Company, Buffalo, N. Y. Making tools. 2,511,912, June 20.

Geraci, Anthony J.: *See*—
Irany, Ernest P., and Geraci.

Geraci, John, assignor to American Cyanamid Company, New York, N. Y. Preparing substituted pteridines. 2,501,168, Mar. 21.

Geraci, Lester, and A. Pablovich, assignors of twenty-five per cent to P. Noto and twenty-five per cent to F. Noto, New Orleans, La. Tire pressure switch unit. 2,520,241, Aug. 29.

Gerald, Park S.: *See*—
Wilhelm, Harley A., and Gerald.

Geraldson, Gerald, Rockford, Ill., assignor to J. I. Case Company, Racine, Wis. Hitch and drawbar construction for cultivators. 2,495,928, Jan. 31.

Gerard, George, New York, assignor to Republic Aviation Corporation, Farmingdale, N. Y. Instrument for testing compression. 2,500,068, Mar. 7.

Gerardin, Maurice, assignor to Société pour l'Exploitation des Brevets M. G. D., Grenoble, France. Camera for taking ultra-fast moving pictures. 2,505,469, Apr. 25.

Gerber, Albert J., University City, assignor, by mesne assignments, to Beverage Sales Co., St. Louis, Mo. Beverage bottle case. 2,535,493, Dec. 26.

Gerber, Dale C., assignor to The Hoover Company, North Canton, Ohio. Electric iron. 2,530,657, Nov. 21.

Gerber, Dale C., and E. L. Snyder, assignors to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,522,709, Sept. 19.

Gerber, Edward R., Stockton, Calif., assignor to International Harvester Company. Combination corn picker and sheller. 2,518,302, Aug. 8.

Gerber, George W.: *See*—
Scott, Clifford E., and Gerber.

Gerber, Heinz J., assignor to The Gerber Scientific Instrument Company, Hartford, Conn. Instrument for measuring, interpolating, and the like. 2,530,955, Nov. 21.

Gerber, Max: *See*—
Laubi, Otto, and Gerber.

Gerber Products Company, assignee: *See*—
Derbenwick, Frank, Ryan, Jr., and Calhoun.

Gerber Scientific Instrument Company, The, assignee: *See*—
Gerber, Heinz J.

Gerber, Sidney, assignee: *See*—
Erwin, Eugene M.

Gerbes, Frank J., Tipton, Mo. Price tag supporting strip. 2,514,046, July 4.

Gerdan, Dimitrius: *See*—
Karcher, Harry C., and Gerdan.

Geremia, Leo F., Wallingford, assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Circuit breaker. 2,494,868, Jan. 17.

Geren, Vincent E., Los Angeles, assignor to Airquipment Company, Burbank, Calif. Hydraulic ram mechanism having shielding and stop means. 2,512,150, June 20.

Gerendàs, Mihàly: *See*—
Szent-Gyorgyi, Albert, Laki, and Gerendàs.

Gerety, Gene: *See*—
Weintrob, Max M., and Gerety.

Gerhard, Robert A.: *See*—
Trewin, Charles S., and Gerhard.

Gerhardt, Andrew H., Skokie, Ill., assignor to Thor Corporation. Combined clothes washer and extractor. 2,494,436, Jan. 10.

Gerhardt, Andrew H., Skokie, Ill., assignor to Thor Corporation. Clothes receptacle for washing machines. 2,498,544, Feb. 21.

Gerhardt, Andrew H., Skokie, Ill., assignor to Thor Corporation. Lapboard for ironing machines. 2,498,545, Feb. 21.

Gerhardt, Andrew H., Skokie, assignor to Thor Corporation, Chicago, Ill. Motor mounting. 2,525,173, Oct. 10.

Gerhardt, Fred P., Milwaukee, Wis. Power unit. 2,534,590, Dec. 19.

Gerhart, Howard L., Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Stabilization of polymerizable mixtures. 2,493,343, Jan. 3.

Gerhold, José A., San Antonio Oeste, Argentina. Pump for raising petroleum and other liquids from deep wells. 2,527,184, Oct. 24.

Gericke, Carl E., Clewiston, assignor to American Machinery Corporation, Orlando, Fla. Preservation of fresh citrus fruits. 2,503,663, Apr. 11.

Gericke, Carl E., Porta Castilla, Honduras, assignor to American Machinery Corporation, Orlando, Fla. Coloration of fresh citrus fruits. 2,503,664, Apr. 11.

Gericke, Carl E., Porta Castilla, Honduras, assignor to American Machinery Corporation, Orlando, Fla. Coloration of fresh citrus fruits. 2,503,665, Apr. 11.

Gerin, Fernand L., Montclair, assignor, by mesne assignments, to Specialties Development Corporation, Belleville, N. J. Dipping tank for coating articles. 2,501,672, Mar. 28.

Geris, Morris B.: *See*—
Jones, Grover C.

Gerity-Michigan Corporation, assignee: *See*—
Fread, Charles L.

Gerlach, Charles L., assignor to Michael Yundt Company, Waukesha, Wis. Bottle-washing machine. 2,508,021, May 16.

Gerlach, Frank A., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Work unloading guide for washing machines. 2,508,245, May 16.

Gerlach, Gerald G.: *See*—
Bond, Donald S., Gerlach, and Thompson.

Gerlach, Glendon T.: *See*—
Schmidt, Howard F., Gerlach, and Squiers.

Gerlach, Hugo, Hendon, London, assignor to Block & Anderson Limited, London, England. Pressure adjustment in rotary printing machines. 2,518,878, Aug. 15.

Gerlach, Hugo, Hendon, assignor to Block & Anderson Limited, London, England. Moistening mechanism for duplicating machines. 2,533,574, Dec. 12.

Gerlach, Margret N., Milwaukee, Wis. Golf tee. 2,508,155, May 16.

Gerlach, Norman H., assignee: *See*—
Silfen, Alfred.

Gerletti, Luigi: *See*—
Molteni, Benigno, and Gerletti.

Gerli, David C., Suffolk County, and E. G. Dawson, New York, N. Y.; said Dawson assignor to said Gerli. Flying stage. 2,500,815, Mar. 14.

Gerling, Howard C., Seattle, Wash. Fill pipe for liquid containers. 2,524,313, Oct. 3.

Germain, Leo M., Shawinigan Falls, assignor to Shawinigan Chemicals Limited, Montreal, Quebec, Canada. Production of polyvinyl alcohol by alkaline alcoholysis. 2,502,715, Apr. 4.

Germana, Carmel, Cleveland, Ohio. Playground swing. 2,532,444, Dec. 5.

Germann, Richard P.: *See*—
Hultquist, Martin E., and Germann.

Germann, Richard P., Plainfield, N. J., assignor to American Cyanamid Company, New York, N. Y. Bis-substituted chlorodiazines and preparation thereof. 2,529,840, Nov. 14.

Germanton, Charles E.: *See*—
Davis, Richard C., Bohman, and Germanton.

Germanton, Charles E., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Motor-control circuit. 2,493,064, Jan. 3.

Germany, Leslie W.: *See*—
Edwards, Baden J., and Germany.
Lawrence, Nathaniel Q., Germany, and Babbs.

Germer, Lester H., Millburn, and G. E. Reitter, Chatham, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Apparatus for coating hollow objects. 2,508,509, May 23.

Germeshausen, Kenneth J., Newton Center, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Hydrogen thyration. 2,518,879, Aug. 15.
Germond, Edward M.: *See*—
Hawthorn, Harold L., and Germond.
Gernandt, Waldo G., assignor to Briggs Manufacturing Company, Detroit, Mich. Rotary valve. 2,516,976, Aug. 1.
Gernhardt, Gordon G.: *See*—
Claybourn, Glen L., and Gernhardt.
Gerotor May Corporation, assignee: *See*—
Chinn, George I.
Stone, Albert R.
Stone, Albert R., and Winchester.
Gerrish, Harold C., and J. L. Meem, Jr., Cuyahoga County, Ohio. Oxidizer and desiccator unit. 2,518,460, Aug. 15.
Gerry, Everett D., New York, N. Y. Shoulder pad construction. 2,534,513, Dec. 19.
Gerry, Julian E., assignor to Menasco Manufacturing Company, Burbank, Calif. Resilient mounting for aircraft nose wheels. 2,522,032, Sept. 12.
Gersch, Adolph E., assignor to Radio Frequency Laboratories, Inc., Boonton, N. J. Reentrant diaphragm with central closure member. 2,512,323, June 20.
Gersch, Adolph E., Boonton, assignor to General Instrument Corporation, Elizabeth, N. J. Variable capacity condenser. 2,533,730, Dec. 12.
Gersh, Mary D., San Francisco, Calif. Shaping tool. 2,531,728, Nov. 28.
Gershel Smoke Equipment Co., assignee: *See*—
Gershel, Stanley L.
Gershel, Stanley L., assignor to Gershel Smoke Equipment Co., New Philadelphia, Ohio. Smoke treatment and control for smoke houses. 2,533,926, Dec. 12.
Gershon, Solomon D.: *See*—
Rider, Theodore H., Humoller, and Gershon.
Gerson, Fred, Elmhurst, N. Y. Latch mechanism. 2,493,624, Jan. 3.
Gerspacher, Thomas S.: *See*—
Rolf, David E., Fowler, Jr., and Gerspacher.
Gerst, Chris: *See*—
van Voorhis, William G., and Gerst.
Gerst, Chris, Detroit, assignor to The Transmission & Gear Company, Dearborn, Mich. Coupling. 2,521,289, Sept. 5.
Gerstein, Harry, assignor to Lever Bias Machine Corporation, New York, N. Y. Sewing machine feed mechanism. 2,520,002, Aug. 22.
Gerstein, Harry, assignor to Spiral Bagging Machine Corporation, New York, N. Y. Feeding device. 2,521,360, Sept. 5.
Gerstein, Harry, New York, and R. Kagan, Brooklyn, assignors to Spiral Bagging Machine Corporation, New York, N. Y. Drive for windup rings of bag machines. 2,526,022, Oct. 17.
Gerstein, Harry, New York, and R. Kagan, Brooklyn, assignors to Spiral Bagging Machine Corporation, New York, N. Y. Wind-up device for tubular material. 2,534,015, Dec. 12.
Gersten, Samuel B., Middle Village, assignor to Liberty Industries, Inc., Brooklyn, N. Y. Dispensing attachment for containers, including a reversible spout. 2,534,434, Dec. 19.
Gerstenslager, William H., assignor to Wingfoot Corporation, Akron, Ohio. Tube-testing apparatus. 2,508,246, May 16.
Gerstman, Irving, assignor to Gerstman Supply Company, Buffalo, N. Y. Slider for slide fasteners. 2,526,653, Oct 24.
Gerstman Supply Company, assignee: *See*—
Gerstman, Irving.
Gerteis, Karl M., assignor to Carrier Corporation, Syracuse, N. Y. Refrigeration system. 2,510,881, June 6.
Gerts, Christian A., Philadelphia, and W. H. Clay, Rydal, assignors to The Budd Company, Philadelphia, Pa. Apparatus, including rolls with mandrel gripping and work contacting portions for making curved profiles. 2,497,043, Feb. 7.
Gertz, Samuel, Jamaica, N. Y. Lever guide for flush tanks. 2,498,952, Feb. 28.
Gertz, Samuel, Jamaica, N. Y. Flush tank valve operating means. 2,502,086, Mar. 28.
Gertz, Samuel, Jamaica, N. Y. Flush tank lever guide. 2,534,705, Dec. 19.
Gerum, Max, Jamaica, N. Y. Logging hook. 2,531,422, Nov. 28.
Gerwe, Raymond D., Clearwater, and J. M. Fiske, Lakeland, Fla., assignors to Food Machinery and Chemical Corporation, San Jose, Calif. Coloring citrus fruit. 2,507,438, May 9.
Gesellschaft der Ludw. von Roll'schen Eisenwerke A. G., assignee: *See*—
Frohlich, Adolf.
Gesellschaft der Ludwig von Roll'schen Eisenwerke A. G. Giesserei Bern, assignee: *See*—
Frieder, Albert, and Zuberbuhler.
Gessler, Albert E., Scarsdale, and C. A. Kumins, Brooklyn, assignors to Interchemical Corporation, New York, N. Y. Making ultramarine. 2,535,057, Dec. 26.
Gessler, Albert M., Cranford, N. J., assignor to Standard Oil Development Company. Plasticized copolymer compositions and producing same. 2,521,361, Sept. 5.
Gesswein, Henry, Stockton, Calif. Switch. 2,503,383, Apr. 11.
Getaz, James L., New York, N. Y. Needle reverse plating of knitted fabrics. 2,515,505, July 18.
Getaz, James L., New York, N. Y. Closing the toe of circular knit hose. 2,515,506, July 18.
Getchel, Benjamin E., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Electric relay unit. 2,526,861, Oct. 24.
Getchell, Benjamin E., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Electric relay. 2,528,591, Nov. 7.
Getchell, Raymond E., assignor to B. F. Perkins & Son, Inc., Holyoke, Mass. Testing machine for rupturing specimens. 2,509,142, May 23.
Getchell, Raymond E., assignor to B. F. Perkins & Son, Inc., Holyoke, Mass. Diaphragm construction for specimen bursting machines. 2,509,143, May 23.
Getchell, Raymond E., assignor to B. F. Perkins & Son, Inc., Holyoke, Mass. Machine for rupturing paper and the like for testing purposes. 2,525,345, Oct. 10.
Gethen, George S.: *See*—
Randall, Merwyn C., and Gethen.
Gethmann, Richard B., Bridgeport, Conn., assignor to General Electric Company. Beam centering device for cathode-ray tubes. 2,513,929, July 4.
Gethmann, Richard B., Bridgeport, Conn., assignor to General Electric Company. High-potential coil. 2,534,119, Dec. 12.
Getman Brothers, assignee: *See*—
Getman, Heman E.
Getman, Heman E., assignor to Getman Brothers, South Haven, Mich. Material conveying and dumping vehicle. 2,530,574, Nov. 21.
Getram Company, Inc., assignee: *See*—
Gefeldt, Richard W.
Gettig, Martin S.: *See*—
Devine, John U., Radford, and Gettig.
Gettner, Hilma C., assignee: *See*—
Eklov, Alf V.
Getz, Charles A.: *See*—
Voss, Walter W., Getz, and Hesson.
Getz, Charles A., Glen Ellyn, assignor, by mesne assignments, to Cardox Corporation, Chicago, Ill. Fire-extinguishing method. 2,502,143, Mar. 28.
Getzoff, Edward M., Red Bank, N. J., assignor, by mesne assignments, to De Florez Engineering Company, Incorporated. Binding of books. 2,516,460, July 25.
Geuder, Paeschke & Frey Co., The, assignee: *See*—
Lampiris, William.
Merner, John.
Mueller, Lloyd R.
Geula, John H., New York, N. Y. Optical lens cutter. 2,522,818, Sept. 19.
Geurian, Grady O., Bly, Oreg. Cutting section for chain saws. 2,534,591, Dec. 19.
Gevaert Photo-Producten N. V., assignee: *See*—
Beersmans, Jules E.
Bruylants, Pierre J. M., and Merckx.
Tritsmans, Remi G., and Hendricx.
Van der Auwera, Laurent Aloys, and Van Dormael.
Van Dormael, André E.
Van Dormael, André E., and van der Auwera.
Gewin, William M., Dupo, Ill. Journal wiper. 2,500,984, Mar. 21.
Geyer, Bradford P.: *See*—
Ballard, Seaver A., and Geyer.
Ballard, Seaver A., Geyer, and Mortimer.
Geyer, Bradford P., and R. H. Mortimer, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Substituted pyrans. 2,514,156, July 4.
Geyer, Bradford P., Berkeley, and S. A. Ballard, Orinda, assignors to Shell Development Company, San Francisco, Calif. Preparation of 2,4-pentadienoic acids. 2,515,595, July 18.
Geyer, Carl F., deceased, by E. Pierce, administratrix, Charlotte, N. C., assignor to C. M. Geyer. Paste dispenser. 2,496,004, Jan. 31.
Geyer, Catherine M., assignee: *See*—
Geyer, Carl F.
Geyer, Fred J., East Chicago, Ind. Screen with baked enamel coating. 2,533,788, Dec. 12.
Geyer, George C., Hillside, N. J. Wear take-up means for wheel brakes. 2,533,927, Dec. 12.
Geyer, Howard M., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Planetary gearing. 2,516,200, July 25.
Geyer, Howard M., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Prepeller control. 2,525,260, Oct. 10.
Geyer, Howard M., Dayton, Ohio, and H. Carson, Cambridge, Mass., assignors to General Motors Corporation, Detroit, Mich. Propeller control. 2,502,041, Mar. 28.
Geyer, Paul G. T., assignee: *See*—
Geyer, Paul G. T.
Geyer, Paul G. T., Guilford, assignor of one-half to G. R. Willis, New Haven, and one-half to P. G. T. Geyer, Guilford, Conn. Filling lighting tubes with rare gas. 2,527,185, Oct. 24.
Geyh, Charles P., Hartsdale, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Combination door and supporting structure. 2,518,985, Aug. 15.

Gfrorer, Albert H., Bernardsville, N. J., assignor to Lewis-Shepard Company, Watertown, Mass. Power actuated elevating truck. 2,513,718, July 4.
Ghere, Morris: *See*—
Barker, John, and Ghere.
Ghertman, Ioino, St.-Mande, France, assignor to International Business Machines Corporation, New York, N. Y. Record comparing device. 2,501,271, Mar. 21.
Ghrist, David M., Glendale, Calif. Photographic film holder. 2,533,101, Dec. 5.
Ghurye, Sudhish G., Chapel Hill, N. C. Clutch and brake control for automotive vehicles. 2,534,435, Dec. 19.
Giachetto, John J., Calumet City, and J. F. Snuggs, Chicago, Ill., and J. A. Bock, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. HF extraction of high sulfur gas oil. 2,532,492, Dec 5.
Giacobello, Antonino, Pasadena, Calif. Air moistener. 2,530,195, Nov. 14.
Giacoletto, John P., assignor to Collins Radio Company, Cedar Rapids, Iowa. Two-way amplifier. 2,527,125, Oct. 24.
Giacoletto, Lawrence J., Eatontown, N. J., assignor to Radio Corporation of America. Voltage transfer network. 2,504,321, Apr. 18.
Giacoletto, Lawrence J., Eatontown, N. J., assignor to Radio Corporation of America. Electrical transfer network. 2,504,322, Apr. 18.
Giacoletto, Savino R., San Francisco, Calif. Rattrap. 2,501,043, Mar. 21.
Giallanza, Charles J., Hornell, N. Y. Filter sludge remover. 2,503,816, Apr. 11.
Giambalvo, Vito A.: *See*—
Lecher, Hans Z., Brouillard, and Giambalvo.
Giambalvo, Vito A., Somerville, N. J., assignor to Interchemical Corporation, New York, N. Y. Phthalocyanine pigment compositions. 2,526,345, Oct. 17.
Gianelloni, Sabin J., Jr., Baton, Rouge, La. Changeable sign. 2,501,044, Mar. 21.
Gianninoto, Frank, Jackson Heights, assignor to Underwood Corporation, New York, N. Y. Container for carbon paper. 2,502,214, Mar. 28.
Giauque, William F., Berkeley, Calif., assignor, by mesne assignments, to Research Corporation, New York, N. Y. Heat interchanger. 2,508,247, May 16.
Gibas, Emil, assignee: *See*—
Filarski, Jan D.
Gibb, Thomas R. P., Jr., Marblehead, assignor to Metal Hydrides Incorporated, Beverly, Mass. Coated metal hydride. 2,513,997, July 4.
Gibb, Thomas R. P., Jr., Marblehead, assignor to Metal Hydrides Incorporated, Beverly, Mass. Purification of lithium halide residue. 2,519,644, Aug. 22.
Gibbons, Harold R., Chatham, N. J., assignor to General Motors Corporation, Detroit, Mich. Producing bearing rings. 2,511,706, June 13.
Gibbons, James, Company, The, assignee: *See*—
Middlestadt, William F.
Gibbons, Lloyd, and T. Yuhaniak, Salem, Ohio. Rinse tub. 2,511,707, June 13.
Gibbs & Company, Incorporated, assignee: *See*—
Kolper, Charles J., and Drega.
Gibbs, George G., Santa Monica, Calif. Portable power transmitting unit and changeable toolholder. 2,501,386, Mar. 21.
Gibbs, George W., Jacksonville, Fla. Frictional reversible transmission mechanism. 2,495,518, Jan. 24.
Gibbs, Joseph L., Mount Vernon, N. Y. Resilient support for containers. 2,527,541, Oct. 31.
Gibbs, Joseph R.: *See*—
Mickelwait, James N., and Gibbs.
Gibbs, Thomas B., Delavan, Wis., assignor to The George W. Borg Corporation, Chicago, Ill. Fountain pen. 2,518,770, Aug. 15.
Gibbs, Thomas B., Delavan, G. W. Gilman, Janesville, and G. F. Laing, Delavan, Wis., assignors to The George W. Borg Corporation, Chicago, Ill. Variable resistor. 2,495,321, Jan. 24.
Gibbs, Thomas B., Delavan, G. W. Gilman, Janesville, and G. F. Laing, Delavan, Wis., assignors to The George W. Borg Corporation, Chicago, Ill. Apparatus and method of molding variable resistors. 2,516,766, July 25.
Gibbs, Thomas B., G. F. Laing, and B. A. Warmey, Delavan, Wis., assignors to The George W. Borg Corporation, Chicago, Ill. Reel. 2,528,271, Oct. 31.
Giblin, Thomas P., Pawtucket, assignor to G. A. Swanson Engineering Co., West Warwick, R. I. Ignition system. 2,506,664, May 9.
Giblin, Thomas P., Pawtucket, R. I. Automobile accessory. 2,518,538, Aug. 15.
Gibney, Robert B.: *See*—
Brattain, Walter H., and Gibney.
Gibney, Robert B., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrographic recording. 2,530,956, Nov. 21.
Gibone Anstalt, assignee: *See*—
Schoch, Adrien.
Gibson, Christopher H., Buenos Aires, Argentina. Preserving hides and pelts. 2,525,539, Oct. 10.
Gibson, Clarence F., Benicia, Calif. Switch. 2,506,208, May 2.
Gibson, David C., Richmond Heights, and W. E. Lemp, St. Louis, Mo., assignors to Curtiss-Wright Corporation. Screw operated clutch. 2,504,018, Apr. 11.
Gibson, Frank C., Broughton, Pa., and F. W. Brown, Los Angeles, Calif. Vibrator type multiple-shot blasting unit. 2,506,587, May 9.
Gibson, Frederic H., Westwood, N. J. Combined erasing shield and protector. 2,522,111, Sept. 12.
Gibson, Frederic H., Westwood, N. J., assignor of one-half to F. H. Mahler, Bronx, N. Y. Container for carbon paper and similar sheet material. 2,529,288, Nov. 7.
Gibson, Frederick W., assignor to A. G. Spalding & Bros., Inc., Chicopee, Mass. Inflated ball. 2,494,806, Jan. 17.
Gibson, George M., Bellevue, Iowa, assignor to Reconstruction Finance Corporation, Chicago, Ill. Disappearing wringer washing machine. 2,493,916, Jan. 10.
Gibson, George W.: *See*—
Hazelton, George, Barker and Gibson.
Gibson, Glenn D., Minneapolis, Minn. Double-action pump. 2,534,436, Dec. 19.
Gibson, Glenn J.: *See*—
Muller, Albert, Gibson, and Anderson.
Gibson, J. O., assignee: *See*—
Squires, William P.
Gibson, John F., Seattle, Wash. Carpet fastener. 2,498,991, Feb. 28.
Gibson, Ollie C.: *See*—
Gibson, Ronald L. and O. C.
Gibson Refrigerator Company, assignee: *See*—
Drake, Earl D.
Nofzinger, Earl E.
Gibson, Robert C., Birmingham, and W. S. Russell, Royal Oak, assignors to Parker Rust Proof Company, Detroit, Mich. Producing a phosphate coating on metals high in aluminum. 2,500,673, Mar. 14.
Gibson, Ronald L. and O. C., North Hollywood, Calif. Combined reflector and Venetian blind housing. 2,528,132, Oct. 31.
Gibson, William A., Allentown, Pa., assignor to Bradley Pulverizer Company, Boston, Mass. Roll assembly carrier mounting for pulverizing mills. 2,506,499, May 2.
Giddings & Lewis Machine Tool Co., assignee: *See*—
Morgan, Everett K.
Giddy, Edward W., Toronto, Ontario, Canada. Pyrophoric lighter. 2,520,498, Aug. 29.
Gide, Rene, New York, N. Y. Treatment of magnesium and magnesium base alloys to increase their resistance to corrosion. 2,512,493, June 20.
Gideon, Minor B.: *See*—
Gorka, Elynor D., and Gideon.
Giel, George J., Jr., Flint, Mich. Facsimile recording apparatus. 2,520,761, Aug. 29.
Gier, Joseph T.: *See*—
Boelter, Llewellyn M. K., Dunkle, and Gier, and Martinelli.
Gieringer, Carl K.: *See*—
Goode, Godfrey P., and Gieringer.
Gieringer Carl K., and A. G. Billin, assignors to The Liebel-Flarsheim Company, Cincinnati, Ohio. Frequency responsive control circuit. 2,497,404, Feb. 14.
Gierke, Walter W., O. E. Brownsey, and V. F. Frye, assignors to U. S. Slicing Machine Company, Inc., La Porte, Ind. Meat tendering machine. 2,534,166, Dec. 12.
Gierl, Edward J., Athens, Wis. Teat cup. 2,531,266, Nov. 21.
Giern, James B., Romeo, and A. P. Anholtt, Detroit, Mich. Pilot device for rotary tools. 2,507,204, May 9.
Giersch, Ewald A., Seattle, Wash. Friction-reducing heel tab for oxfords. 2,495,929, Jan. 31.
Giertz-Hedström, Stig, Djursholm, Sweden, assignor to Vibro-Plus Corporation, New York, N. Y. Densifying of concrete masses containing material having different particle sizes by means of vibration. 2,507,302, May 9.
Gierwiatowski, Olgierd, Oak Park, assignor to E. F. Andrews, Chicago, Ill. Stop-on-signal radio apparatus. 2,494,235, Jan. 10.
Giese, Walter J., Power, Mont. Grain loader attachment for vehicles. 2,517,300, Aug. 1.
Gieseke, Werner A., assignor to S. C. Hurley, Jr.; W. L. Hurley, executrix of said S. C. Hurley, Jr., deceased, assignor to W. L. Hurley, Danville, Ill. Gauging method and device. 2,503,720, Apr. 11.
Gieseler, Russell W., Jamestown, N. Y. Fire protection automatic sprinkler system. 2,505,761, May 2.
Gieseler, Russell W., Jamestown, N. Y. Outgoing mail clip. 2,508,453, May 23.
Giesen, Joseph H., Waterville, Maine. Bone screw and fastening. 2,532,296, Dec. 5.
Giesey, A. E., assignee: *See*—
Smith, David C., and Oblinger.
Gieskieng, Marion W., Denver, Colo. Geneva movement for motion-picture projectors. 2,512,894, June 27.
Giffard, Whitney, assignor to Nash-Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 2,509,591, May 30.
Giffard, Whitney, assignor to Nash-Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus having receptacle secured to door. 2,509,592, May 30.
Giffard, Whitney, assignor to Nash-Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 2,515,212, July 18.
Giffen, Harvey D., Theodore, Ala., and T. B. Thomson, Jr., assignors to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Telemetric recording system. 2,502,215, Mar. 28.

Giffin, Edward S., Auburn, Wash. Cam-operated latch mechanism. 2,528,746, Nov. 7.
Giffin, Otho L., Worcester, Mass. Wire stranding device. Re. 23,281, Oct. 10.
Gifford, Carl E., Zanesville, Ohio, assignor to Armco Steel Corporation. Production of silicon steel sheet stock having the property of high surface resistivity. 2,501,846, Mar. 28.
Gifford, Clayton E., assignor to The Huber Manufacturing Company, Marion, Ohio. Device for pivotally connecting the frame of a road roller with a supporting roll. 2,532,806, Dec. 5.
Gifford-Hill Pipe Company, assignee: *See*—
Powell, William E.
Gifford, John F., Richmond, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Container for radioactive samples. 2,533,102, Dec. 5.
Giger, Walter, Zurich, and E. Schroeder and H. Pfenninger, assignors to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Arrangement for heating trains driven by gas turbine locomotives. 2,502,941, Apr. 4.
Gigger, Walter A.: *See*—
Bennett, Arthur F., Hirsch, and Gigger.
Giguere, Paul T., Boston, Mass. Deicing attachment for motor vehicles. 2,515,341, July 18.
Gil, Maria R. M., Mexico City, Mex. Hair curler. 2,500,456, Mar. 14.
Gilardi, Carlo, Milan, Italy. Internal-combustion engine for propulsion of bicycles. 2,501,866, Mar. 28.
Gilbert, A. C., Company, The, assignee: *See*—
Anketell, Edward N.
Dasenbrock, John.
Frisbie, Marshall H.
Morse, Shirley P.
Smith, William R.
Gilbert, Alfred, London, England. Loose-leaf binder. 2,493,065, Jan. 3.
Gilbert, Alfred R., assignor to Anemostat Corporation of America, New York, N. Y. Air delivery device. 2,499,856, Mar. 7.
Gilbert, Alva B., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Positive clutch mechanism. 2,529,492, Nov. 14.
Gilbert & Barker Manufacturing Company, assignee: *See*—
Cochrane, Richard M.
Grimmeisen, Herman O.
Grisé, Alfred L.
Keay, William.
Logan, Joseph A.
Logan, Joseph A., and Lavallee.
Marchese, Lawrence.
Rapisarda, Edward D.
Rapisarda, Edward D., and Tapp.
Thomas, Cecil A. P.
Gilbert, Cedric L.: *See*—
Mitchell, Reginald G., Tait, Gilbert, and David.
Gilbert, Charles A., Evansville, Wis. Gutter side wall cleaner for dairy barns. 2,519,645, Aug. 22.
Gilbert, Charles D., Los Angeles, Calif. Pleat retainer for garments. 2,493,400, Jan. 3.
Gilbert, Charles E.: *See*—
Johnstone, Louis W., and Gilbert.
Gilbert, Charles E., New York, N. Y. Socket receptacle having body and closure member therefor. 2,535,356, Dec. 26.
Gilbert, Edward, assignor of one-third to L. Sillman and one-third to E. A. Barber, New York, N. Y. Stage setting and mounting and operating the same. 2,504,926, Apr. 18.
Gilbert, Everett A., Lake Hiawatha, assignor to Radio Frequency Laboratories, Inc., Boonton, N. J. Phonograph pickup. 2,494,438, Jan. 10.
Gilbert, Everett E., New York, N. Y., assignor to Allied Chemical & Dye Corporation. Nitrodithioacetates as fungicides. 2,513,018, June 27.
Gilbert, Everett E., assignor to Allied Chemical & Dye Corporation, New York, N. Y. 2,4-dichlorophenoxyacetic acid compositions. 2,533,884, Dec. 12.
Gilbert, Everett E., New York, and H. Weinberger, Brooklyn, N. Y., assignors to Allied Chemical & Dye Corporation. Producing metal nitrodithioacetates. 2,495,322, Jan. 24.
Gilbert, Everett E., New York, and H. D. Segool, Flushing, N. Y., assignors to Allied Chemical & Dye Corporation. Production of diphenyl sulfoxide. 2,499,822, Mar. 7.
Gilbert, Everett E., and E. J. Levin, New York, N. Y., assignors to Allied Chemical & Dye Corporation. Manufacture of thiophenols. 2,506,416, May 2.
Gilbert, Everett E., New York, and J. A. Otto, Long Island City, N. Y., assignors to Allied Chemical & Dye Corporation. Organic sulfonates and making and using. 2,506,417, May 2.
Gilbert, Everett E., and J. A. Otto, New York, N. Y., assignors to Allied Chemical & Dye Corporation. Alkine-SO_2 addition product. 2,515,444, July 18.
Gilbert, Fred F., Draper, S. Dak. Automatic windrowing device for harvesters. 2,499,487, Mar. 7.
Gilbert, George L., assignor to R. G. Wenham, and M. E. Follett, Kalamazoo, Mich. Combined filing spindle, guard, and punch. 2,520,361, Aug. 29.
Gilbert, Harold H., U. S. Navy. Quick releasing safety crane hook. 2,509,225, May 30.
Gilbert, Harry: *See*—
Ardis, Alan E., and Gilbert.
Gilbert, Harry, Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Preparation of 1,1-dicyano ethylene by the pyrolysis of 1,1,3,3-tetracyano propane. 2,514,387, July 11.
Gilbert, Henry, North Hollywood, Calif., assignor by mesne assignments, to Gotham Hosiery Company, Inc., New York, N. Y. Stocking size gauge. 2,515,824, July 18.
Gilbert, Herman W., assignor to Cutting Room Appliances Corporation, New York, N. Y. Stopping movement of electrically operated cloth laying machines. 2,495,249, Jan. 24.
Gilbert, Herman W., New York, N. Y. Device to facilitate mounting of rolls of cloth on cloth spreading machines. 2,525,346, Oct. 10.
Gilbert, Herman W., New York, N. Y., F. H. Dexter, Clifton, N. J., and W. Deichmann, Elmont, assignors to Cutting Room Appliances Corporation, New York, N. Y. Sheet material spreading machine. 2,520,895, Aug. 29.
Gilbert, John J., Douglaston, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cable testing method by transmitting pulses of different rates of propagation. 2,522,362, Sept. 12.
Gilbert, Joseph A., assignor to Rose Brothers (Gainsborough) Limited, Gainsborough, England. Apparatus for feeding blades from a stack. 2,525,031, Oct. 10.
Gilbert, Oscar L.: *See*—
Mitchell, Harry F., and Gilbert.
Gilbert, Philo G., Seattle, Wash. Wheel. 2,522,710, Sept. 19.
Gilbert, Roswell W., Montclair, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Megohmmeter. 2,510,691, June 6.
Gilbert, Russell C., Stillwater, and L. L. Wilbrecht, St. Paul, assignors to Telex Inc., Minneapolis, Minn. Battery charger. 2,505,614, Apr. 25.
Gilbert, Samuel, Cedar Grove, assignor to Bendix Aviation Corporation, Teterboro, N. J. Engine starter liquid lock detector. 2,494,385, Jan. 10.
Gilbert, Samuel, Cedar Grove, assignor to Bendix Aviation Corporation, Teterboro, N. J. Attaching conductors to carbon brushes. 2,507,780, May 16.
Gilbert, Samuel, Cedar Grove, assignor to Bendix Aviation Corporation, Teterboro, N. J. Engine starter. 2,526,127, Oct. 17.
Gilbert, Samuel, Cedar Grove, assignor to Bendix Aviation Corporation, Teterboro, N. J. Engine starter. 2,530,869, Nov. 21.
Gilbert, Stanley A., Red Bank, N. J., and A. H. Stanley, Lykens, Pa., assignors, by mesne assignments, to The Hanna Furnace Corporation, Detroit, Mich. Carbon supplying composition. 2,530,459, Nov. 21.
Gilbert, Walton E., New York, N. Y., assignor to Shell Development Company, San Francisco, Calif. Gas anchor. 2,517,198, Aug. 1.
Gilbert, William, Florence, Colo. Gray iron foundry cupola. 2,510,499, June 6.
Gilbert, William, Richmond Hill, N. Y. Dehairing machine. 2,531,209, Nov. 21.
Gilbert, William I.: *See*—
Montgomery, Charles W., Gilbert, and Kline.
Gilbert, William J., Albion, Mich., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Manufacture of penicillin. 2,527,304, Oct. 24.
Gilbert, William L., Clock Corporation, The, assignee: *See*—
Poole, Arthur B., and Morganson.
Gilbertsen, Einar G., Bremerton, Wash. Paper cup container and dispenser. 2,520,538, Aug. 29.
Gilbey, John S., assignor to Horsnell's Machine and Iron Works, Ltd., Fredericton, New Brunswick, Canada. Log loading and unloading device for vehicles. 2,496,388, Feb. 7.
Gilbough, Benjamin G., Ramona, Calif. Poultry watering fountain. 2,496,046, Jan. 31.
Gilbreath, Marlin U., Long Beach, Calif. Pole transporting dolly. 2,497,352, Feb. 14.
Gilchrist, Harry R., Jr., and D. H. Young, Phoenix, Ariz. Apparatus for diffusing water in evaporation coolers. 2,517,998, Aug. 8.
Gilcrease, Leonard L., Hanford, Calif. Wrist watch band. 2,521,290, Sept. 5.
Giles, Henry Y., Portland, Oreg. Dividing rule. 2,514,326, July 4.
Giles, Walter A. L., Los Angeles, Calif. Net holder for games. 2,522,754, Sept. 19.
Gilfred Corp., The, assignee: *See*—
Kanner, Samuel.
Gilgoff, Herman, Brooklyn, N. Y. Continuous firing toy gun. 2,497,723, Feb. 14.
Gilhoff Corporation, assignee: *See*—
Gilman, Morris A.
Gilkey, John W.: *See*—
Barry, Arthur J., and Gilkey.
Gill, Carl: *See*—
Thompson, Andrew C., and Gill.
Gill, Donald W., Cincinnati, assignor to Frank F. Taylor Co., Norwood, Ohio. Handle for vehicles. 2,492,981, Jan. 3.

Gill, Frank: *See*—
Hartley, Arthur C., Brown, Callendar, Fehling, Fox, Gill, Moore, Rosin, and Williamson.
Gill, James C., Indianapolis, Ind. Mechanical device for separating egg whites from yolks. 2,521,907, Sept. 12.
Gill, John O., Barnesboro, Pa. Pressure operated switch. 2,505,539, Apr. 25.
Gill, Merle A., Rantoul, Kans., assignor to H. D. Manuel, Kansas City, Mo. Lightning arrester. 2,535,129, Dec. 26.
Gill, Ray H.: *See*—
Tincler, George A., and Gill.
Gill, Vincent L., San Diego, Calif. Collapsible safety lantern. 2,517,197, Aug. 1.
Gillam, Grant, assignee: *See*—
West, Clarence.
Gillan, John D., assignee: *See*—
Browning, John W., and Adams.
Gille, Nils J., assignor to See Fabriks Aktiebolag, Sandviken, Sweden. Snowshoe or ring fastening means for ski sticks. 2,504,260, Apr. 18.
Gilleland, Grover W., Tacoma, Wash. Stretcher. 2,528,048, Oct. 31.
Gilleland, Samuel G., Kansas City, Kans. Multiple top. 2,526,862, Oct. 24.
Gillen, Eugene O., Milwaukee, Wis. Window ventilator. 2,509,733, May 30.
Gillen, Eugene O., Milwaukee, Wis. Room ventilator. 2,520,762, Aug. 29.
Gillen, George A., New York, N. Y. Electric motor. 2,501,814, Mar. 28.
Gillen, George A., New York, N. Y. Electric motor. 2,522,941, Sept. 19.
Gillen, George A., New York, N. Y. Electric knife sharpener. 2,522,942, Sept. 19.
Gillenwater, Jack W., assignor of one-half to O. V. Gillenwater, Sr., Comfort, W. Va. Hawaiian electric guitar with harmonic facilities. 2,500,172, Mar. 14.
Gillenwater, Okey V., Sr., assignee: *See*—
Gillenwater, Jack W.
Gillespie, Alexander, Belleville, Ill. Nasal air filter. 2,528,303, Oct. 31.
Gillespie, Bruce G., Union, N. J., assignor to Standard Oil Development Company. Forming synthesis gas. 2,496,342, Feb. 7.
Gillespie, Bruce G., Union, N. J., assignor to Standard Oil Development Company. Red-iron oxide type fluid catalyst for hydrocarbon synthesis. 2,496,343, Feb. 7.
Gillespie, Charles H., Cedar City, Utah. Spring supported tractor seat. 2,526,552, Oct. 17.
Gillespie, Charles N., Waltham, Mass., assignor to Radio Corporation of America. Phasing apparatus. 2,496,788, Feb. 7.
Gillespie, Earl J., assignor to The Martin Band Instrument Company, Elkhart, Ind. G-sharp valve control mechanism for saxophones and the like. 2,503,666, Apr. 11.
Gillespie, Frank, Philadelphia, Pa. Attachment for railroad car journal boxes. 2,508,510, May 23.
Gillespie, Glenn C., Pontiac, Mich. Roll-film camera having film container movable across the focal plane. 2,504,323, Apr. 18.
Gillespie, Hugh: *See*—
Farnham, Glen V., and Gillespie.
Gillespie, John M., assignor of one-half to J. N. Anderson, Oklahoma City, Okla. Oil and gas well pressure control. 2,517,655, Aug. 8.
Gillespie, Sidney L., assignor to Woodward Governor Company, Rockford, Ill. Control apparatus. 2,496,284, Feb. 7.
Gillett, Edward C., Evanston, assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Span measuring device for bowling balls and the like. 2,516,694, July 25.
Gillette, Elmon C., New York, N. Y. Pinking shears. 2,501,718, Mar. 28.
Gillette, Frank N.: *See*—
Garman, Raymond L., and Gillette.
Gillette Safety Razor Company, assignee: *See*—
Testi, Nicholas.
Gilley, Thomas G., Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Program control apparatus. 2,505,038, Apr. 25.
Gillgrass, George R.: *See*—
Moore, Noble E., and Gillgrass.
Gillhespy, James S.: *See*—
Kirkwood, Ian W. A., Gillhespy, and Wallsend.
Gilliam, Fenton O., Jr., and M. F. Portlock, Jr., West Point, and A. L. Branch, Richmond, Va. Ball game. 2,506,867, May 9.
Gilliam, Howard E., Warrensville Heights, Ohio. Mixing paddle for paint, etc. 2,526,863, Oct. 24.
Gilliam, James S., Jr.: *See*—
Nevins, Samuel L., and Gilliam.
Gilliam, Nora M., La Porte, Tex. Buttonhole cutter. 2,532,160, Nov. 28.
Gillig, Chester H., Oakland, Calif. Automobile window air deflector. 2,534,348, Dec. 19.
Gilliland, Edwin R.: *See*—
Lewis, Warren K., and Gilliland.
Gilliland, Edwin R., Arlington, Mass., assignor to Standard Oil Development Company. Fractionation of gases with solid adsorbents. 2,495,842, Jan. 31.
Gilliland, Edwin R., Arlington, Mass., assignor to Standard Oil Development Company. Smelting of metals. 2,526,472, Oct. 17.
Gilliland, Edwin R., Arlington, Mass., assignor to Standard Oil Development Company. Melting and purifying impure metal powder. 2,526,473, Oct. 17.
Gilliland, Edwin R., Arlington, Mass., assignor to Standard Oil Development Company. Preparation of an intermediate fraction with solid adsorbents. 2,529,289, Nov. 7.
Gillingham, Samuel W., assignor to Sears, Roebuck and Co., Chicago, Ill. Electrolytic humidistat. 2,510,018, May 30.
Gillis, Randall: *See*—
Eckel, John F., and Gillis.
Gillis, Selby J., and L. W. Simons, Arabi, La. Folding seat. 2,530,239, Nov. 14.
Gilliver, Gilbert, London, England, assignor to International Standard Electric Corporation, New York, N. Y. Welding equipment. 2,510,099, June 6.
Gilliver, Gilbert, London, England, assignor to International Standard Electric Corporation, New York, N. Y. Electric welding fixture. 2,523,291, Sept. 26.
Gillman, Harold K., Fort Dodge, Iowa. Treatment of meat packing house products. 2,525,293, Oct. 10.
Gillman, Harry, Brooklyn, N. Y. Making artificial hands and replicas of other objects. 2,508,156, May 16.
Gillman, Stanley N., Primrose, Transvaal, and J. Dee, Berea, Johannesburgh, Transvaal, Union of South Africa. Nose shield for spectacles, sunglasses, or the like. 2,519,561, Aug. 22.
Gillman, William C., Hanwell, London, assignor to Packers Supply Company Limited, New Malden, Surrey County, England. Apparatus for making a joint in a flat metal sleeve for overlapping portions of metal strapping. 2,494,386, Jan. 10.
Gillmor, Richard H., Severna Park, Md. Typewriter ruling pen. 2,516,623, July 25.
Gillmor, William S., Glen Cove, N. Y. Attaching device for phonograph reproducer units. 2,517,423, Aug. 1.
Gilly, William O., El Cerrito, Calif. Worktable with rotary and tilting adjustments. 2,495,250, Jan. 24.
Gilman, George W.: *See*—
Gibbs, Thomas B., Gilman, and Laing.
Hull, Philip C., and Gilman.
Gilman, George W., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Time division system for modulated pulse transmission. 2,530,957, Nov. 21.
Gilman, Henry S., Springfield, Mass. Spring mattress. 2,522,943, Sept. 19.
Gilman, Martin J., Gilman, Conn. Athletic training device. 2,526,217, Oct. 17.
Gilman, Morris A., assignor to Gilhoff Corporation, Chicago, Ill. Mixing faucet. 2,528,272, Oct. 31.
Gilman, Ray E., Providence, R. I., assignor to International Business Machines Corporation, New York, N. Y. Coding means and method. 2,513,307, July 4.
Gilman, Samuel, Maplewood, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrostatic apparatus. 2,523,618, Sept. 26.
Gilman, Samuel, Wilkinsburg, assignor to Westinghouse Electric Corporation. Electrostatic apparatus. 2,525,347, Oct. 10.
Gilmar Shirt Co., Inc., assignee: *See*—
Yates, Irving E.
Gilmer, Peter E., Florham Park, N. J., and C. T. Samek, Jackson Heights, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Junction for coupling a plurality of wave guide sections. 2,506,418, May 2.
Gilmore, Arville W., and G. Koger, Bridegport, Conn., assignors to General Electric Company. Making hose from elastomeric composition. 2,516,864, Aug. 1.
Gilmore, Arville W., and G. Koger, Bridgeport, Conn., assignors to General Electric Company. Flexible hose of extrudable elastomeric composition. 2,524,522, Oct. 3.
Gilmore, Burdette B., Pelham Manor, assignor to West Disinfecting Company, Long Island City, N. Y. Dispenser with supply container locking device. 2,520,003, Aug. 22.
Gilmore, Edward R., assignor to Rockwell Manufacturing Company, Pittsburgh, Pa. Flexible diaphragm for gas meters. 2,514,388, July 11.
Gilmore, Emmett J., Montrose, and E. P. and Z. Lutz, Los Angeles, Calif. Reciprocating measuring pockets having volume varying means. 2,529,654, Nov. 14.
Gilmore, Forrest E., Bartlesville, Okla., assignor, by mesne assignments, to Frigid Transport Company, Inc., New York, N. Y. Ammonia distillation system. 2,501,326, Mar. 21.
Gilmore, Harry L., assignor to Aget Manufacturing Company, Adrian, Mich. Air purifier. 2,512,930, June 27.
Gilmore, Harry L., assignor to Aget Manufacturing Company, Adrian, Mich. Filter unit. 2,524,347, Oct. 3.
Gilmore, Samuel E.: *See*—
Rittenhouse, Howard E., and Gilmore.
Gilmore, William A., Dayton, Ohio. Gate hinge structure. 2,497,495, Feb. 14.
Gilmore, William J., Adrian, Mich., assignor to American Chain & Cable Company, Inc., Bridgeport, Conn. Cable connector. 2,526,740, Oct. 24.

Gilmour, James, Jr., Plainfield, Ill. Adjustable poultry watering trough. 2,517,865, Aug. 8.
Gilmour, Robert A., Somerset, Pa. Lawn mower. 2,522,112, Sept. 12.
Gilowitz, Benjamin, Bronx, assignor of fifty per cent to A. Friedberg, Mount Vernon, N. Y. Bag stacking and bundling machine. 2,502,374, Mar. 28.
Gilowitz, Benjamin, New York, N. Y. Aromatic artificial flower. 2,507,899, May 16.
Gilpin, Clifford M.: *See*—
Palm, Herbert E., and Gilpin.
Gilpatrick, Halbert B., Broadbent, Oreg. Lock ring safety bar for tires. 2,498,412, Feb. 21.
Gilreath, Lafayette E., assignor to L. G. Perkins, Fresno, Calif. Disk type clod crusher. 2,513,165, June 27.
Gilron Products Company, assignee: *See*—
Orozco, Gilbert H., and Henricks.
Orozco, Gilbert H., and Roy.
Gilroy, John: *See*—
Deming, George M., and Gilroy.
Gilsing, Johannes A. A.: *See*—
Bienfait, Henri, van den Blink, Gilsing, and Jansen.
Gilson, Joseph L., Hartsdale, N. Y., assignor to V. H. Greene, Summit, N. J. Method and apparatus for freezing materials. 2,527,542, Oct. 31.
Gilson, Joseph L., Hartsdale, N. Y. Food freezing apparatus. 2,531,210, Nov. 21.
Gilson, Robert M., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Manually controllable coded track circuit signaling system. 2,494,940, Jan. 17.
Gilson, Robert M., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Track circuit apparatus for governing both wayside and cab signals. 2,515,642, July 18.
Gilson, Robert M., assignor to The Union Switch & Signal Company, Swissvale, Pa. Coded track circuit apparatus. 2,515,868, July 18.
Gilson, William D., and H. B. Myers, assignors to The Robinson Clay Products Company, Akron, Ohio. Clay pipe cutter. 2,497,724, Feb. 14.
Gilstrap, Vernon M., assignor to Dearborn Glass Company, Chicago, Ill. Glass cutting machine. 2,515,445, July 18.
Gimelli, Samuel, Berne, Switzerland. Liquid atomizer. 2,523,693 Sept. 26.
Ginaven, Marvin E., assignor to The Bauer Bros. Company, Springfield, Ohio. Radial disk mill with cooperating ribbed plates. 2,510,970, June 13.
Gindlesperger, William T., Erie, Pa. Adaptable threaded connecting member. 2,528,824, Nov. 7.
Gingrich, Allen L., Spokane, Wash. Internal radially acting hydraulic wheel brake. 2,531,677, Nov. 28.
Ginn, Earl, North Muskegon, assignor to Continental Motors Corporation, Muskegon, Mich. Cooling system for internal-combustion engines. 2,516,312, July 25.
Ginn, Earl, North Muskegon, assignor to Continental Motors Corporation, Muskegon, Mich. Internal-combustion engine. 2,533,575, Dec. 12.
Ginn, Earl, and K. M. Cloud, North Muskegon, assignors to Continental Motors Corporation, Muskegon, Mich. Hand power line. 2,506,920, May 9.
Ginns, Samuel, Brookline, Mass. Flaring tool. 2,508,912, May 23.
Ginns, Samuel, Brookline, Mass. Pipe cutter. 2,526,471, Oct. 17.
Ginsberg, Walter F., Anaconda, Mont. Lawn sprinkler. 2,525,540, Oct. 10.
Ginsburg, Albert S., assignor to La Salle Designing Company, Chicago, Ill. Tapping machine. 2,533,451, Dec. 12.
Ginsburg, Hyman, Brooklyn, N. Y. Variable spiral inductance coil. 2,503,582, Apr. 11.
Ginsel, Leo A.: *See*—
Van Dijck, Willem J. D., and Ginsel.
Ginter, Charles W., assignor to The Aro Equipment Corporation, Bryan, Ohio. Vent for pumps. 2,522,711, Sept. 19.
Ginter, Charles W., assignor to The Aro Equipment Corporation, Bryan, Ohio. Lubricating device. 2,529,685, Nov. 14.
Ginther, Robert: *See*—
Schulman, James H., Evans, and Ginther.
Ginther, Robert J., assignor to Sylvania Electric Products Inc., Salem, Mass. Barium di-silicate phosphor. 2,499,307, Feb. 28.
Ginzton, Edward L.: *See*—
Hansen, William W., Woodyard, and Ginzton.
Varian, Sigurd F., and Ginzton.
Ginzton, Edward L., Garden City, N. Y., assignor to The Sperry Corporation. Electronic balancing and follower circuits. 2,516,865, Aug. 1.
Ginzton, Edward L., Garden City, N. Y., assignor to The Sperry Corporation. Apparatus and method of measuring a magnitude exceeding the unambiguous measure capacities of two measure-representing signals. 2,524,050, Oct. 3.
Ginzton, Edward L., Menlo Park, Calif., assignor, by mesne assignments, to The Sperry Corporation. Ultra high frequency transmission line system. 2,534,437, Dec. 19.
Ginzton, Edward L., Wantagh, and F. L. Salisbury, West Hempstead, N. Y., assignors to The Sperry Corporation. Ultra high frequency wavemeter. 2,503,256, Apr. 11.
Gionet, Leo A., Duluth, Minn., assignor to The American Steel and Wire Company of New Jersey. Rotary knockout mechanism for pig-casting machines. 2,533,576, Dec. 12.
Giordano, Salvatore, Forest Hills, N. Y. Lady's handbag frame. 2,522,263, Sept. 12.
Giorgi, Adelmo, Highwood, Ill. Comb mounting means for hair clippers. 2,517,999, Aug. 8.
Giovannucci, Julius L., North Haven, assignor to The Soundscriber Corporation, New Haven, Conn. Releasable tone arm locking means. 2,506,665, May 9.
Giovannucci, Julius L., North Haven, and J. Werbiskas and D. F. Balmer, assignors to The Soundscriber Corporation, New Haven, Conn. Mechanism for centralizing and clamping phonograph disk records. 2,518,232, Aug. 8.
Gipson, Charles O., assignor to Heinz Manufacturing Company, Inc., Elwood, Ind. Collapsible floral rack. 2,493,810, Jan. 10.
Giraitis, Albert P.: *See*—
Hawes, Truman P., and Giraitis.
Giraitis, Albert P., Bradford, Pa., and K. J. Whittet, East Northport, N. Y., assignors to Standard Oil Development Company. Stable dispersion of phenyl beta naphthylamine and the like. 2,510,882, June 6.
Girard, Dean C., San Leandro, Calif., assignor, by mesne assignments, to National Cylinder Gas Company. Alternating current circuit involving rectification. 2,495,655, Jan. 24.
Girard, Dean C., San Leandro, Calif., assignor, by mesne assignments, to National Cylinder Gas Company. Arc welding circuit. 2,502,646, Apr. 4.
Girard, Dean C., San Leandro, and F. T. Roach, Hayward, Calif., assignors, by mesne assignments, to National Cylinder Gas Company. Arc-welding torch. 2,532,807, Dec. 5.
Girard, Jean M., Paris, France, assignor to International Stantard Electric Corporation, New York, N. Y. Rectifier. 2,495,716, Jan. 31.
Girard, Lloyd S., Quincy, Mass. Hook fastener. 2,530,518, Nov. 21.
Girardin, Howard N., Grosse Pointe Farms, assignor to John Milton Luers Patents Incorporated, Mount Clemens, Mich. Toolholder. 2,520,205, Aug. 29.
Gird, John A., Ilion, N. Y. Combined cleaning and insecticide apparatus. 2,500,816, Mar. 14.
Girdler Corporation, The, assignee: *See*—
Atwood, Wilfrid L.
Ellsworth, Carl E.
Garnatz, George F., and Miller.
Jennings, Sheldon V.
Proctor, Austin, and Kusterer.
Warren, Henry R.
Zottu, Paul D.
Girdwood-Blackett, Roirden B., Hubertstown, Guapo, Trinidad, British West Indies. Weighing automotive truck. 2,534,766, Dec. 19.
Giroux, Fred J., Hartford, Conn. Arc oxygen cutting accessory. 2,524,223, Oct. 3.
Gish, Lucile M.: *See*—
Strech, Johny P., and Gish.
Gisholt Machine Company, assignee: *See*—
Leifer, Lorenz A.
Tyson, Levi D.
Gislon, André, assignor to Compagnie Francaise de Raffinage (Societe Anonyme), Paris, France. Alkylation process. 2,495,323, Jan. 24.
Gislon, André, assignor to Compagnie Francaise de Raffinage (Societe Anonyme), Paris, France. Synthetic process for manufacturing oily products. 2,499,488, Mar. 7.
Gislon, André, assignor to Compagnie Francaise de Raffinage (Societe Anonyme), Paris, France. Polyvinyl chloride plasticized with a chlorinated hydrocarbon fraction. 2,517,656, Aug. 8.
Gislon, André, Paris, and J. Quiquerez, Saint-Cloud, France. Chlorinating dibenzyl and nuclearly-alkyl-substituted dibenzyls. 2,510,279, June 6.
Gisondi, Emanuel, Washington, D. C. Fastening device. 2,534,663, Dec. 19.
Gisvold, Ole, assignor to Regents of the University of Minnesota, Minneapolis, Minn. Extraction of digitalis glycosides. 2,500,173, Mar. 14.
Gisvold, Ole, assignor to Regents of the University of Minnesota, Minneapolis, Minn. Digitalis extraction. 2,534,260, Dec. 19.
Gittelson, Lester L., New York, N. Y. Dental mirror with replaceable reflector. 2,534,706, Dec. 19.
Gittens, Edmund D.: *See*—
Agins, George and Gittens.
Gitter, Orville H., assignor to Appleton Mfg. Co., Appleton, Wis. Tube cutting machine. 2,521,003, Sept. 5.
Gitter, Orville H., assignor to Appleton Mfg. Co., Appleton, Wis. Automatic tube cutting machine. 2,521,004, Sept. 5.
Gittings, Homer T., Jr., Los Alamos, N. Mex. Electronic timing apparatus. 2,502,450, Apr. 4.
Giuliani, Pasquale: *See*—
Bedini, Nerino, Vesigna, and Giuliani.

Givandan Corporation, The, assignee: *See*—
Gump, William S., and Nikawitz.
Kapecki, Alfred F.
Kitchens, Garry C.
Naves, Yves-René.
Nikawitz, Edward J., and Gump.
Wood, Thomas F.

Givens, John H., Meriden, J. Wale and L. Rose, Coventry, assignors to Courtaulds Limited, London, England. Apparatus for the liquid treatment of threads. 2,533,103, Dec. 5.

Gjertson, Melvin J., Worthington, assignor of one-half to Milford Davis, Reading, Minn. Fertilizer spreader. 2,519,243, Aug. 15.

Glabe, Elmer F., assignor to Food Technology, Inc., Chicago, Ill. Coconut processing. 2,502,516, Apr. 4.

Glabe, Elmer F., assignor to Food Technology, Inc., Chicago, Ill. Compositions containing amylaceous materials and a dihydroxyphospholipid. 2,513,638, July 4.

Gladden, Charles S., Brooklyn, N. Y. Method and apparatus for burning fine solids. 2,493,960, Jan. 10.

Gladding, Edward K., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Nitro-(2'-thenoyl)-alkyl benzoates. 2,519,040, Aug. 15.

Gladish, Frank L., assignor of one-half to T. F. Brady, Detroit, Mich. Motor-driven vehicle wheel. 2,506,146, May 2.

Gladstone, William D., assignee: *See*—
Goldrich, Manny.

Gladstone, William D., New York, N. Y. Musical tone modifier. 2,495,450, Jan. 24.

Gladstone, William D., New York, N. Y. Tone modifier for drums. 2,495,451, Jan. 24.

Glaenzer, Bertrand R., Paris, France. Injection stake for treatment and fertilizer liquids. 2,519,646, Aug. 22.

Glahn, Ralph E., Grosse Pointe Farms, Mich. Container for reels of leader material. 2,517,866, Aug. 8.

Glahn, Ralph E., Grosse Pointe Farms, Mich. Tackle box. 2,517,867, Aug. 8.

Glaisher, Edward J.: *See*—
Richards, Claude L., and Glaisher.

Glance, William S., White Haven, Pa. Mounting for floral decorations. 2,499,740, Mar. 7.

Glandville, Daniel E., Reno, Nev., assignor to Ladder Hook Company. Pothook. 2,503,108, Apr. 4.

Glantz, Ludwig B., Minden, Nebr. Drill clamp. 2,526,553, Oct. 17.

Glanzer, Clarence J., Northfield, and O. H. Schaaf, Shaker Heights, assignors to Air-Maze Corporation, Cleveland, Ohio. Filter panel. 2,499,949, Mar. 7.

Glasband, Isadore, Hartford, Conn. Safety pin. 2,529,383, Nov. 7.

Glasco, Lowell M., Dallas, Tex. Adjustable chair. 2,508,109, May 16.

Glaser, Charles: *See*—
Dolliver, Morris A., and Glaser.

Glaser, Marcus, New York, N. Y. Testing radio receivers to determine the number of turns of the loop antenna. 2,497,027. Feb. 7.

Glaser, William P., Waltham, Mass. Motion converting means. 2,515,342, July 18.

Glasoe, Paul K., and D. Dean, assignors to Eastman Kodak Company, Rochester, N. Y. Photographic brightness correction mask. 2,533,452, Dec. 12.

Glass, Antonina S., assignee: *See*—
Glass, George B.

Glass, Dudley B., and F. A. Richey, assignors to Eastman Kodak Company, Rochester, N. Y. Direct positive photographs using color developers. 2,507,154, May 9.

Glass, Dudley B., P. W. Vittum, and A. Weissberger, assignors to Eastman Kodak Company, Rochester, N. Y. 1-hydroxy-2-naphthamide colored couplers. 2,521,908, Sept. 12.

Glass, Earl M., Pittsburgh, Pa. Belt conveyer cleaner. 2,525,348, Oct. 10.

Glass, George B., assignor to A. S. Glass, New York, N. Y. Motor drive for medical syringes. 2,498,672, Feb. 28.

Glass, Gerard, Geneva, Switzerland. Hand mirror. 2,505,615, Apr. 25.

Glass, John P., Jr., Haverford Township, Delaware County, Pa., assignor to Bendix Aviation Corporation, Teterboro, N. J. Induction device having a substantially pure sine relation between the coupling and the relative displacement of its elements. 2,535,914, Dec. 26.

Glass, Margaret C., administratrix: *See*—
Glass, Oscar R.

Glass, Martin T., Irving, Tex. Brush for receptacles. 2,513,719, July 4.

Glass, Marvin I., Chicago, Ill. Domestic utensil set. 2,498,413, Feb. 21.

Glass, Marvin I., and C. L. McShane, Chicago, Ill. Dual image photograph. 2,529,151, Nov. 7.

Glass, Oscar R., Cincinnati, Ohio; M. C. Glass, administratrix of said O. R. Glass, deceased, assignor to O. R. Glass, Jr. Flag display cabinet in which the flag is held on a roller. 2,506,209, May 2.

Glass, Oscar R., Jr., assignee: *See*—
Glass, Oscar R.

Glass, Paul, assignor to Askania Regulator Company, Chicago, Ill. Selective output saturable reactor amplifier circuit. 2,493,130, Jan. 3.

Glass, Paul, assignor to Askania Regulator Company, Chicago, Ill. Electrical control circuit employing magnetic amplification. 2,503,039, Apr. 4.

Glass, Paul, Chicago, Ill., assignor to Askania Regulator Company. Cathode-ray ratio instrument motor system. 2,507,781, May 16.

Glass, Paul, assignor to Askania Regulator Company, Chicago, Ill. Stabilized system for controlling a condition. 2,509,295, May 30.

Glass, Paul, assignor to Askania Regulator Company, Chicago, Ill. Electrical control circuit. 2,529,290, Nov. 7.

Glass, Paul, assignor to Askania Regulator Company, Chicago, Ill. Electrical control circuit. 2,531,211, Nov. 21.

Glass, Paul, and F. E. Prem, assignors to Askania Regulator Company, Chicago, Ill. Control circuit for alternately operating electric devices. 2,517,783, Aug. 8.

Glass, Paul, and F. E. Prem, assignors to Askania Regulator Company, Chicago, Ill. Electrical control circuit. 2,519,562, Aug. 22.

Glass, Paul, and F. E. Prem, assignors to Askania Regulator Company, Chicago, Ill. Electrical control circuits. 2,534,196, Dec. 12.

Glass, Richard J., Circleville, Ohio. Propeller. 2,511,156, June 13.

Glass, Thomas C., La Grange, Ga. Tractor wheel guard. 2,530,053, Nov. 14.

Glass, Willie F., Gulfport, Miss. Cleaning machine for dry and wet cleaning of garments and the like. 2,529,802, Nov. 14.

Glasser, Eugene A.: *See*—
Donohoe, John J., and Glasser.

Glass Fibers, Inc., assignee: *See*—
Barnard, Randolph H.
Cook, Everett J.
Labino, Dominick.
Stevens, Charles R.

Glassman, Joel, Brookline, Mass. Shoe with foxing strip. 2,528,357, Oct. 31.

Glassman, Joseph, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Manufacture of pigments. 2,502,254, Mar. 18.

Glassman, Joseph, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Manufacture of pigments. 2,514,236, July 4.

Glassmeyer, La Trelle B., Cincinnati, Ohio. Garment hanger. 2,500,817, Mar. 14.

Glassner, Alvin, Eatontown, N. J., assignor to the United States of America as represented by the Secretary of War. Powdered zinc anode for primary cells. 2,501,673, Mar. 28.

Glavis, Frank J., Elkins Park, and H. T. Neher, Bristol, assignors to Röhm & Haas Company, Philadelphia, Pa. Operating fluids based on acetals. 2,512,771, June 27.

Glaxo Laboratories, Limited, assignee: *See*—
Heilbron, Ian M., and Jones.
Hems, Benjamin A., and Elks.
Jones, Ewart R. H., Bide, and Nicholls.

Glaze, Raymond A., Glendora, Calif. Visual arithmetic teaching apparatus. 2,514,636, July 11.

Glazer, Emmett J., assignor to Wingfoot Corporation, Akron, Ohio. Preparation of esters of fumaric acid. 2,522,363, Sept. 12.

Glazer, William H., Philadelphia, Pa. Ocular diagnostic instrument having visual target means. 2,523,007, Sept. 19.

Gleasman, Hollis K., Elmira, assignor to Bendix Aviation Corporation, Elmira Heights, N. Y. Coaster brake. 2,530,764, Nov. 21.

Gleasman, Vernon E., Elmira, N. Y. Hydraulic vane type clutch. 2,516,461, July 25.

Gleason, Anthony H.: *See*—
Sparks, William J., Gleason, and Frolich.
Swaney, Miller W., and Gleason.

Gleason, Anthony H., P. K. Frolich, and W. J. Sparks, Westfield, N. J., assignors, by mesne assignments, to Jasco, Incorporated. Preparing modified styrene interpolymers. 2,526,654, Oct. 24.

Gleason, William J., assignor to Scovill Manufacturing Company, Waterbury, Conn. Sink drain valve. 2,500,674, Mar. 14.

Gleason Works, assignee: *See*—
Bauer, Oliver F.
Hartman, Herbert G.
Wildhaber, Ernest.

Gleave, Russell, and E. A. Dickmann, assignors to Bemis Bro. Bag Company, St. Louis, Mo. Method and apparatus for anchoring draw cords. 2,520,395, Aug. 29.

Gleber, Emil F., St. Albans, N. Y., assignor to The M. W. Kellogg Company, Jersey City, N. J. Heater for fluids. 2,514,279, July 4.

Gledhill, Edward C., Galion, Ohio. Portable compartment and collapsible frame for same. 2,531,678, Nov. 28.

Gleekman, John I., Trenton, N. J. Rake. 2,529,012, Nov. 7.

Gleeson, William W., assignor to L. G. S. Spring Clutch Corporation, Indianapolis, Ind. Centerless grinding process. 2,494,938, Jan. 17.

Gleim, Clyde E., assignor to Wingfoot Corporation, Akron, Ohio. Allyl polyesters of amino alkyl carboxylic acids. 2,508,249, May 16.

Gleim, William K. T., Chicago, and J. A. Chenicek, Riverside, assignors to Universal Oil Products Company, Chicago, Ill. Stabilization process. 2,535,058, Dec. 26.
Gleisen, Richard T., Teaneck, N. J. Fluid pressure operated switch. 2,501,867, Mar. 28.
Gleisen, Richard T., Teaneck, N. J. Grass trimmer. 2,506,638, May 9.
Gleissner, Bruce D.: *See*—
Cassaday, Jack T., Hoegberg, and Gleissner.
Gleitz, Herbert, Euclid, and C. E. Miller, East Cleveland, assignors to The Marquette Metal Products Company, Cleveland, Ohio. Textile spindle mounting. 2,497,881, Feb. 21.
Glen, William L.: *See*—
Grant, Gordon A., Glen, and Barber.
Glendenning, Everett B.: *See*—
Caron, John B. R., Wies, and Glendenning.
Wies, Calmy, Caron, and Glendenning.
Glendora Manufacturing Company, assignee: *See*—
McDonald, Charles D.
Glenkey, Paul G., and H. H. Patrick, assignors to Ade-O-Matic Company, Chicago, Ill. Copper bottom enameled cooking receptacle. 2,511,404, June 13.
Glenmore Distilleries Company, Incorporated, assignee: *See*—
Clark, Robert A., Jr.
Glenn, A. F., assignee: *See*—
Glenn, George G.
Glenn, George G., Maywood, Calif., assignor to A. F. Glenn. Delivering an object to a moving vehicle. 2,499,741, Mar. 7.
Glenn, Howard A., Oak Park, and J. K. Dromgold, Chicago, Ill. Combined ice tank bracing frame and ice hopper for refrigerator cars. 2,508,248, May 16.
Glenn, Marlow, Twin Falls, Idaho. Children's high chair device. 2,495,843, Jan. 31.
Glenny, Arthur P., Hanworth, assignor to The Sperry Gyroscope Company, Ltd., Brentford, England. Regulating valve. 2,508,383, May 23.
Glensder Textile Corp., assignee: *See*—
Klein, Arthur.
Glenside Bag Company, assignee: *See*—
Wagner, Melvin.
Glesmann, Louis G., assignor to Revere Copper and Brass Incorporated, Rome, N. Y. Apparatus for rolling wedge sections. 2,526,475, Oct. 17.
Glesner, Joseph G., and M. O. Robinson, assignors to The Dow Chemical Company, Midland, Mich. Packaged galvanic anodes for cathodic protection. 2,525,665, Oct. 10.
Glick, Charles F., New Brunswick, N. J., and P. M. Nicholes, Rochester, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of photographic emulsions. 2,534,707, Dec. 19.
Glick, Harvey L., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Tube control apparatus. 2,523,247, Sept. 19.
Glick, Murry, St. Louis, Mo. Fishing guide. 2,532,061, Nov. 28.
Glick, Sanford E., Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Polymerizable styrene-tall oil modified polyester composition. 2,514,389, July 11.
Glick, Sanford E., Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Polymerizing styrene in contact with benzoyl peroxide and di (tertiary butyl) peroxide. 2,534,120, Dec. 12.
Glick, Sylvan G., Schenectady, N. Y., assignor to General Electric Sompany. Combustion gas producing apparatus. 2,522,220, Sept. 12.
Glickman, Philip, Merrick, N. Y. Simulated basketball game apparatus. 2,522,782, Sept. 19.
Glidden, Arthur R., Seattle, Wash. Antisiphoning device. 2,496,992, Feb. 7.
Glidden Company, The, assignee: *See*—
Hampton, Burt L.
Julian, Percy L., Cole, Meyer, and Magnani.
O'Brien, James J.
Glidden, Robert M., Haddonfield, N. J. Breath tester. 2,517,657, Aug. 8.
Glieden, Peter M., assignor to G. Graffunder, Marshall, Minn. Cleanout door for chimney flues. 2,512,229, June 20.
Gliha, Anthony I., Cleveland, and O. R. Ruple, North Randle, Ohio. Bridle bit. 2,500,312, Mar. 14.
Gliss, George E., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for plasticizing plastic material. 2,505,355, Apr. 25.
Gliss, George E., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for simultaneously advancing and working plastic material. 2,511,203, June 13.
Gliss, George E., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Strainer. 2,513,795, July 4.
Gliss, George E., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for advancing and working plastic material. 2,535,287, Dec. 26.
Glitsch Engineering Company, assignee: *See*—
Glitsch, Hans C.
Glitsch, Hans C., assignor to Glitsch Engineering Company, Dallas, Tex. Closure clamp. 2,515,507, July 18.
Glitsch, Hans C., assignor to Glitsch Engineering Company, Dallas, Tex. Manway clamp. 2,525,217, Oct. 10.
Glitsch, Hans C., assignor to Glitsch Engineering Company, Dallas, Tex. Bubble cap assembly. 2,525,218, Oct. 10.
Globe American Corporation, assignee: *See*—
Harvey, William D., and Tolley.
Sherman, Alvin G.
Tolley, Donald B.
Globe Automatic Sprinkler Company, assignee: *See*—
Rowley, Arthur C.
Globe Hoist Company, assignee: *See*—
Smith, Harry D.
Globe Products Heat Seal Corporation, assignee: *See*—
Reitzes, Herbert L.
Globe Slicing Machine Co., Inc., assignee: *See*—
Sivertsen, Peter M.
Globe-Union Inc., assignee: *See*—
Ehlers, George M., and Kodama.
Khouri, Alfred S., and Fischer.
Nygren, Charles E.
Roup, Rolland R., and Butler.
Schaefer, John F.
White, Herbert L., Rietz, and Wolff.
Wolff, Robert L., and Glueckstein.
Youngbeck, Karl W., and Glueckstein.
Globe-Wernicke Co., The, assignee: *See*—
Brinker, John H.
Brinker, John H., and Conley.
Budai, Steve G.
Budai, Steve G., and Brinker.
Hearn, Thomas A.
Glock, Charles E., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Electroplating of tin on ferrous strip. 2,513,859, July 4.
Gloeckler, Frederick M.: *See*—
Bennett, Theodore C., Morton, and Gloeckler.
Gloess, Paul, assignor to Societe francaise Sadir-Carpentier, Paris, France. Impulse selector. 2,522,609, Sept. 19.
Gloess, Paul F. M., Paris, France, assignor to International Standard Electric Corporation, New York, N. Y. Telecontrol system. 2,509,226, May 30.
Gloess, Paul F. M., Paris, France. Telemetering system. 2,525,893, Oct. 17.
Gloor, Walter E., New Brunswick, N. J., assignor to Hercules Powder Company, Wilmington, Del. Cellulose derivative plastic composition. 2,505,039, Apr. 25.
Gloor, Walter E., Wilmington, Del., and G. H. Pyle, Hopewell, Va., assignors to Hercules Powder Company, Wilmington, Del. Stabilized thermoplastic cellulose ether composition. 2,535,357, Dec. 26.
Glorioscope, Inc., assignee: *See*—
Robbins, Browning G.
Glos, Raymond E., Freeport, Ill. Valve. 2,531,679, Nov. 28.
Glosios, Jean, assignor to Fashion Foundations Corp., New York, N. Y. Foundation garment. 2,507,593, May 16.
Gloton, Gaston P. V., Les Coteaux de Saint-Cloud, assignor to Etablissements Horstmann, Paris, France. Revolver head for tool machines. 2,509,635, May 30.
Glover, Bertram W.: *See*—
Sheppard, Edward A., and Glover.
Glover, Bill, Incorporated, assignee: *See*—
Glover, William C., Jr.
Glover, Donald O., Pullman, Wash. Identification card and mechanism. 2,497,405, Feb. 14.
Glover, Ernest H., Oklahoma City, Okla. Handbag. 2,508,669, May 23.
Glover, Frank N., Brooklyn, N. Y. Self-closing filling device for liquid fuel containers. 2,527,005, Oct. 24.
Glover, Thurmon P., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Machine for removing burrs from punched or drilled sheets or plates. 2,503,476, Apr. 11.
Glover, Victor O., assignor of one-half to C. N. Cox., Denver, Colo. Ore concentrating jig. 2,523,364, Sept. 26.
Glover, W. T., & Company Limited, assignee: *See*—
Beaver, Charles J., and Davey.
Davey, Edward L.
Davey, Edward L., and Credland.
Glover, William, Kirkland Lake, Ontario, Canada. Combined basket and field stretcher. 2,512,931, June 27.
Glover, William C., Jr., Kansas City, Mo., assignor to Bill Glover Incorporated. Puff iron assembly. 2,501,628, Mar. 21.
Glov-Tree Corporation, assignee: *See*—
Chezum, Rogene E.
Glowacki, Matthew P., Chicago, Ill. Filter device. 2,502,375, Mar. 28.
Gloyer, Stewart W.: *See*—
Christenson, Roger M., and Gloyer.
Gloyer, Stewart W., Milwaukee, Wis., assignor to Pittsburg Plate Glass Company, Allegheny County, Pa. Treatment of glyceride oils. 2,524,103, Oct. 3.
Gloyer, Walter, Port Washington, assignor to American Locomotive Company, New York, N. Y. Heat exchanger. 2,529,013, Nov. 7.
Gluck, Fred C., assignor to Minerva Wax Paper Company, Minerva, Ohio. Carton. 2,507,403, May 9.

Gluck, Fred C., assignor to Minerva Wax Paper Company, Minerva, Ohio. Carton. 2,507,404, May 9.
Gluck, George S., Butte, Mont. Shaft mucking machine. 2,519,041, Aug. 15.
Gluck, Sidney J., Brooklyn, N. Y. Woven fabric and making same. 2,512,494, June 20.
Gluckin, Gerald W., assignor to William Gluckin & Co., Inc., New York, N. Y. Brassière. 2,535,059, Dec. 26.
Gluckin, William, & Co., Inc., assignee: *See*—
Gluckin, Gerald W.
Glueckstein, Henry J.: *See*—
Wolff, Robert L., and Glueckstein.
Youngbeck, Karl W., and Glueckstein.
Gluesenkamp, Earl W., Centerville, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Polyglycol products. 2,498,617, Feb. 21.
Gluesenkamp, Earl W., Centerville, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Polyglycol sulfate salts of diaminodiphenyl sulfones and preparation thereof. 2,498,618, Feb. 21.
Gluesenkamp, Earl W., Centerville, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Preparing aromatic dicarboxylic acids. 2,508,022, May 16.
Gluesenkamp, Earl W., Centerville, and M. Kosmin, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Polyglycolsulfonic acid salts of diaminodiphenyl sulfone and preparation thereof. 2,498,619, Feb. 21.
Gluhareff, Michael E., Bridgeport, assignor to United Aircraft Corporation, East Hartford, Conn. Tailless airplane. 2,511,502, June 13.
Gluyas, Thomas M., Jr., Westmont, N. J., assignor to Radio Corporation of America. Microwave detector network. 2,493.066, Jan. 3.
Glyde-Rite Corp., The, assignee: *See*—
Jackson, Thomas E.
Glynn, Edwin A., assignor to Super Mold Corporation of California, Lodi, Calif. Boiler. 2,494,654, Jan. 17.
Glynn, Edwin A., assignor to Super Mold Corporation of California, Lodi, Calif. Tire tread applying machine. 2,498,953, Feb. 28.
Glynn, Edwin A., assignor to Super Mold Corporation of California, Lodi, Calif. Machine for preparing tires for retread vulcanizing. 2,522,819, Sept. 19.
Glynn, Edwin A., assignor to Super Mold Corporation of California, Lodi, Calif. Dust collector. 2,535,281, Dec. 26.
Glynn, Helen S., Kansas City, Mo. Girdle and brassière and hold-down means therefor. 2,525,666, Oct. 10.
Glynn, John J., Chicago, Ill. Fusee lighting and launching device. 2,532,901, Dec. 5.
Glynn, Theodore W., assignor to Blue Ridge Glass Corporation, Kingsport, Tenn. Glass electrical heating panel. 2,523,566, Sept. 26.
Glynn, Theodore W., assignor to Blue Ridge Glass Corporation, Kingsport, Tenn. Device for supporting glass during heating. 2,526,815, Oct. 24.
Gmitter, George W.: *See*—
Walker, Nelson C., and Gmitter.
Gnadinger, Charles B., Edina, assignor to McLaughlin Gormley King Company, Minneapolis, Minn. Removing insects from edible vegetables and fruits. 2,502,376, Mar. 28.
Gnehm, August, assignee: *See*—
Stof, Gustav F.
Gnoinsky, Michael, Sr., Zeeland, N. Dak. Insect destroying device. 2,516,977, Aug. 1.
Gober, Forrest: *See*—
Eichenberg, Robert, and Gober.
Goch, Joseph, Chicago, Ill. Smoke filtering device. 2,535,282, Dec. 26.
Goda, Ernest H.: *See*—
Kenworthy, Orville O., Goda, and Golland.
Goda, Ernest H., East Cleveland, assignor to The Ferro Enamel Corporation, Cleveland, Ohio. Refining of rutile. 2,496,993, Feb. 7.
Goda, Lawrence B., Chicago, Ill. Spraying mechanism. 2,512,542, June 20.
Godbey, Josiah J., Dallas, Tex. Panoramic receiver frequency marker system. 2,518,461, Aug. 15.
Godbout, Maurice, assignor to Dominion Corset Company Limited, Quebec, Quebec, Canada. Girdle. 2,527,543, Oct. 31.
Goddard, Anne F., executrix: *See*—
Yanes, Francisco G.
Goddard, De Witt R., Riverhead, N. Y., assignor to Radio Corporation of America. Recording and reproducing two-sided magnetic records. 2,496,047, Jan. 31.
Goddard, De Witt R., Riverhead, N. Y., assignor to Radio Corporation of America. Signaling system. 2,502,647, Apr. 4.
Goddard, De Witt R., Riverhead, N. Y., assignor to Radio Corporation of America. Humidity compensated oscillator. 2,509,593, May 30.
Goddard, De Witt R., Riverhead, N. Y., assignor to Radio Corporation of America. Antenna system. 2,510,280, June 6.
Goddard, De Witt R., Riverhead, N. Y., assignor to Radio Corporation of America. Direction finding system. 2,510,692, June 6.
Goddard, De Witt R., Riverhead, N. Y., assignor to Radio Corporation of America. Switch and tuning device for radio transceivers. 2,513,796, July 4.
Goddard, De Witt R., and K. G. MacLean, Riverhead, N. Y., assignors to Radio Corporation of America. Ultra high frequency communication system. 2,515,213, July 18.
Goddard, Esther C., executrix: *See*—
Goddard, Robert H.
Goddard, Frank E., Jr., Watertown, Mass., assignor to The Glenn L. Martin Company, Middle River, Md. Airplane jet unit power plant installation. 2,512,794, June 27.
Goddard, Myron C.: *See*—
Anderson, Lynn T., and Goddard.
Goddard, Myron C., Garden City, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Ringing control circuit. 2,535,675, Dec. 26.
Goddard, Robert H., deceased, Annapolis, Md., by E. C. Goddard, executrix, Paxton, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Fuel controlling apparatus for longitudinally movable combustion chambers. 2,496,710, Feb. 7.
Goddard, Robert H., deceased, Annapolis, Md., by E. C. Goddard, executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Pumping apparatus for very cold liquids. 2,496,711, Feb. 7.
Goddard, Robert H., deceased, late of Annapolis, Md., by E. C. Goddard, executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Ignition apparatus for combustion chambers using intermingled combustion liquids. 2,498,263, Feb. 21.
Goddard, Robert H., deceased, Annapolis, Md., by Esther C. Goddard, executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Movably mounted auxiliary vanes for rotating combustion chamber. 2,500,537, Mar. 14.
Goddard, Robert H., deceased, Annapolis, Md., by E. C. Goddard, executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Gas-operated means for driving rotating combustion chambers. 2,507,970, May 16.
Goddard, Robert H., deceased, Annapolis, Md., by E. C. Goddard, executrix, Paxton, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Rotatable discharge nozzle for fixed combustion chambers. 2,510,570, June 6.
Goddard, Robert H., deceased, Annapolis, Md., by E. C. Goddard, executrix, Paxton, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Combustion chamber with annular target area. 2,510,571, June 6.
Goddard, Robert H., deceased, Annapolis, Md., by E. C. Goddard, executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Mixing partition for combustion chambers. 2,510,572. June 6.
Goddard, Robert H., deceased, Annapolis, Md.; E. C. Goddard, executrix of said R. H. Goddard, assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Vacuum tube transportation system. 2,511,979, June 20.
Goddard, Robert H., Annapolis, Md.; E. C. Goddard, executrix of said Robert H. Goddard, deceased, assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Propulsion apparatus actuated by successive charges of detonating materials. 2,515,643, July 18.
Goddard, Robert H., deceased, late of Annapolis, Md., by Esther C. Goddard, executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Rotating valve for multiple resonance combustion chambers. 2,515,644, July 18.
Goddard, Robert H., deceased, late of Annapolis, Md., by E. C. Goddard, executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Feeding means for rotating combustion chambers. 2,515,645, July 18.
Goddard, Robert H., deceased, Annapolis, Md., by E. C. Goddard, executrix, Paxton, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Double jacket means for feeding two liquids to a rotating combustion chamber. 2,516,462, July 25.
Goddard, Robert H., deceased, late of Annapolis, Md., by E. C. Goddard, executrix, Paxton, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Auxiliary combustion chambers for reaction jet propulsion apparatus. 2,518,000, Aug. 8.
Goddard, Robert H., deceased, late of Annapolis, Md., by E. C. Goddard, executrix, Paxton, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Ring valve construction for combustion chamber. 2,518,001, Aug. 8.
Goddard, Robert H., deceased, late of Annapolis, Md., by E. C. Goddard, executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Feeding concentric liquid sprays to a rotating combustion chamber. 2,518,002, Aug. 8.

Goddard, Robert H., deceased, late of Annapolis, Md., by E. C. Goddard, executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Ring valve construction for combustion chambers. 2,518,003, Aug. 8.

Goddard, Robert H., deceased, late of Annapolis, Md., by Esther C. Goddard, executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Mixture control apparatus. 2,518,880, Aug. 15.

Goddard, Robert H., deceased, late of Annapolis, Md.; by Esther C. Goddard, executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Fuel feeding and cooling construction for rotating combustion chambers. 2,518,881, Aug. 15.

Goddard, Robert H., deceased, late of Annapolis, Md.; by Esther C. Goddard, executrix, Worcester, Mass., assignor of one half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Combined igniting and fuel feed control mechanism for a thrust unit. 2,518,882, Aug. 15.

Goddard, Robert H., deceased, Annapolis, Md.; by E. C. Goddard, executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Cooling powder-burning combustion chambers and nozzles. 2,522,113, Sept. 12.

Goddard, Robert H., deceased, Annapolis, Md.; by E. C. Goddard, executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Cooling projected devices. 2,522,114, Sept. 12.

Goddard, Robert H., deceased, Annapolis, Md.; by E. C. Goddard, executrix, Paxton, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Turbine starting and control apparatus. 2,523,008, Sept. 19.

Goddard, Robert H., deceased, Annapolis, Md.; by E. C. Goddard, executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Power take-off for combustion gases. 2,523,009, Sept. 19.

Goddard, Robert H., deceased, Annapolis, Md.; by E. C. Goddard, executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Auxiliary power take-off for combustion chambers. 2,523,010, Sept. 19.

Goddard, Robert H., deceased, Annapolis, Md.; by E. C. Goddard, executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Cooling and feeding means for rotating combustion chambers. 2,523,011, Sept. 19.

Goddard, Robert H., deceased, Annapolis, Md.; by E. C. Goddard, executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Intermittent feed mechanism for combustion chambers. 2,523,012, Sept. 19.

Goddard, Robert H., deceased, Annapolis, Md.; by E. C. Goddard, executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Feeding and cooling wall structure for combustion chambers using liquid combustion elements. 2,523,654, Sept. 26.

Goddard, Robert H., deceased, Annapolis, Md.; by E. C. Goddard, executrix, Paxton, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Rotating combustion chamber. 2,523,655, Sept. 26.

Goddard, Robert H., deceased, Annapolis, Md.; by E. C. Goddard, executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Combustion apparatus comprising successive combustion chambers. 2,523,656, Sept. 26.

Goddard, Robert H., deceased, Annapolis, Md.; by E. C. Goddard, executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Steam production from cooling liquid in combustion chambers. 2,526,219, Oct. 17.

Goddard, Robert H., deceased, Annapolis, Md.; by E. C. Goddard, executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Spray nozzle. 2,526,220, Oct. 17.

Goddard, Robert H., deceased, Annapolis, Md.; by E. C. Goddard, executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Gas-operated apparatus for pumping very cold liquids. 2,526,221, Oct. 17.

Goddard, Robert H., deceased, Annapolis, Md.; by E. C. Goddard, executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Cooling and feeding means for rocket type combustion chambers. 2,526,222, Oct. 17.

Goddard, Robert H., deceased, Annapolis, Md.; by E. C. Goddard, executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Pressurized jacket construction for rotating combustion chambers. 2,526,223, Oct. 17.

Goddard, Robert H., deceased, Annapolis, Md.; by E. C. Goddard, executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Rotating combustion chamber with fixed jacket casing. 2,526,224, Oct. 17.

Goddard, Robert H., deceased, Annapolis, Md., by E. C. Goddard, executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Combined air and fuel control valve for resonance combustion chamber. 2,528,133, Oct. 31.

Goddard, Robert H., deceased, Annapolis, Md., by E. C. Goddard, executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Circuit closing device for fuel feed apparatus and having quick-acting thermal control. 2,528,134, Oct. 31.

Goddard, Robert H., deceased, Annapolis, Md., by E. C. Goddard, executrix, Paxton, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Scavenging system for rocket motors utilizing liquid nitrogen. 2,532,708, Dec. 5.

Goddard, Robert H., deceased, Annapolis, Md., by E. C. Goddard, executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Liquid cooled baffles between mixing and combustion chambers. 2,532,709, Dec. 5.

Goddard, Robert H., deceased, Annapolis, Md., by E. C. Goddard, executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Vapor generating and control apparatus for combustion chambers. 2,532,710, Dec. 5.

Goddard, Robert H., deceased, Annapolis, Md., by E. C. Goddard, executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Expanded conical nozzle for two combustion liquids. 2,532,711, Dec. 5.

Goddard, Robert H., deceased, Annapolis, Md., by E. C. Goddard, executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Vane structure for rotating combustion chambers. 2,532,712, Dec. 5.

Godden, Thomas E., J. L. H. Bishop, and B. V. Holberton, Cheltenham, assignors to Rotol Limited, Gloucester, England. Screw propeller. 2,501,720, Mar. 28.

Goddin, Avery H., Newark, and N. E. Searle, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Insect controlling composition comprising an alkyl 2-thiazolinyl sulfide. 2,516,313, July 25.

Goddin, Harvie W., Washington, D. C. Pyroxite compositions. 2,510,971, June 13.

Goddin, Harvie W., and E. V. Bulow, Washington, D. C. Composition rail tie. 2,529,841, Nov. 14.

Godfrey, Charles E.: *See*—
Huber, Albert F., and Godfrey.

Godfrey, Paul S., Wauwatosa, Wis., assignor, by mesne assignments, to Bernard E. Sheras, Chicago, Ill. Card box. 2,533,577, Dec. 12.

Godfrey, Ronald M.: *See*—
Earp, Charles W., and Godfrey.

Godley, Charles E., Ferndale, assignor to King-Seeley Corporation, Ann Arbor, Mich. Timer mainspring variable preloading means. 2,497,079, Feb. 14.

Godley, Fred O.: *See*—
Godley, Noah H., and F. O.

Godley, Noah H., Charlotte, N. C. Hayrake. 2,521,909, Sept. 12.

Godley, Noah H. and F. O., Charlotte, N. C., assignors, by mesne assignments, to Sperry Corporation, New York, N. Y. Side delivery rake. 2,518,303, Aug. 8.

Godman, George L.: *See*—
Barker, Sydney W., and Godman.

Godshalk, James B.: *See*—
Medlar, Lewis A., and Godshalk.

Godston, John, Staten Island, N. Y. Clarifying impure sugar solutions. 2,501,272, Mar. 21.

Godwin, Clifford B., University City, Mo. Transmission. 2,497,598, Feb. 14.

Godwin, Gurney L., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Direct-current machine. 2,492,982, Jan. 3.

Godwin, Harry: *See*—
Streckfus, John G., and Godwin.

Godwin, Joseph F., Salem, N. J. Method and apparatus for forming cellular structures. 2,493,243, Jan. 3.

Godwin, William S., Baltimore, Md. Dowel assembly for concrete road joints. 2,494,869, Jan. 17.

Goebel, George L.: *See*—
Jones, Bert R., and Goebel.

Goebel, Herman L., Chicago, Ill., assignor to International Molded Plastics, Inc., Cleveland, Ohio. Lamp socket for tubular fluorescent lamps. 2,510,628, June 6.

Goebel, Raymond R., Los Angeles, Calif. Coin-operated timer. 2,522,755, Sept. 19.

Goebel, Wilbur O., Knoxville, Iowa. Feeder for honeybees. 2,496,285, Feb. 7.

Goede, Pieter: *See*—
De Lange, Cornelis, Goede, and van den Berge.

Goehre, Otto: *See*—
Michael, Wilhelm, Goehre and Free and Fuener and Schneider.

Goeller, Anton, Iberia, Mo. Vehicle jack. 2,521,214, Sept. 5.

Goemaere, Russell L., East Detroit, Mich. Self-cleaning punch. 2,526,741, Oct. 24.
Goepfert, George J.: *See*—
Rushmer, Ralph H., and Goepfert.
Goepfert, George J., and L. L. Cofran, assignors to The Carborundum Company, Niagara Falls, N. Y. Abrasive article of manufacture. 2,520,763, Aug. 29.
Goepfrich, Rudolph A.: *See*—
House, Bryan E., and Goepfrich.
Goepfrich, Rudolph A., and B. E. House, South Bend, Ind. Brake. 2,527,126, Oct. 24.
Goerg, Walter, North Bergen, N. J., assignor to Air Reduction Company, Incorporated. Silver brazing flux. 2,520,206, Aug. 29.
Goertz, Raymond C.: *See*—
Hull, Harvard L., Goertz, and Hartman.
Goertz, Raymond C., Hempstead, N. Y., assignor to The Sperry Corporation. Control circuit for deriving rate and integral terms. 2,517,556, Aug. 8.
Goertz, Raymond C., Hempstead, N. Y., assignor to The Sperry Corporation. Eddy-current generator. 2,519,365, Aug. 22.
Goertz, Raymond C., Hempstead, N. Y., assignor to The Sperry Corporation. Full-wave, phase-sensitive demodulator. 2,524,051, Oct. 3.
Goertz, Raymond C., Hempstead, N. Y., assignor to The Sperry Corporation. Motor control circuit. 2,530,387, Nov. 21.
Goertz, Raymond C., Hempstead, N. Y., assignor to The Sperry Corporation. Modulating circuits having a full wave alternating voltage output. 2,532,297, Dec. 5.
Goertzel, Gerald H.: *See*—
Nier, Alfred O. C., Goertzel, and Thorness.
Goertzen, William S., Newton, Kans. Electric fishing line float. 2,534,709, Dec. 19.
Goessel, Elmer, assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa. Multipole anode circuit breaker and operator therefor. 2,496,789, Feb. 7.
Goetchius, Donald R., Avon, assignor to Ferro Enamel Corporation, Cleveland, Ohio. Apparatus for spraying the interior of cylindrical articles. 2,508,709, May 23.
Goetchius, Donald R., Avon, and E. J. Kelly, assignors to Ferro Enamel Corporation, Cleveland, Ohio. Color-correcting titania-bearing porcelain enamels. 2,514,855, July 11.
Goetchius, Donald R., Avon, and E. J. Kelly, assignors to Ferro Enamel Corporation, Cleveland, Ohio. Rendering TiO_2 batches color-uniform. 2,514,856, July 11.
Goetsch, Arnold H., Houston, assignor, by mesne assignments, to La Coste and Romberg, Austin, Tex. Underwater meter leveling device. 2,507,900, May 16.
Goetter, Allan, Wauwatosa, Wis. Repair coupling for Christmas tree branches. 2,494,476, Jan. 10.
Goetter, William F., Liverpool, N. Y., assignor to General Electric Company. Reduction of tube seal heating in high-frequency apparatus. 2,502,144, Mar. 28.
Goettl, William H., Phoenix, Ariz. Ventilating register. 2,505,394, Apr. 25.
Goettsch, Walter J., Kenilworth, Ill., assignor to Samuel M. Langston Co. Apparatus for applying pattern forming material. 2,531,036, Nov. 21.
Goetz, Alexander, Altadena, Calif., assignor to Sunshine Mining Company, Yakima, Wash. Producing a microbicidal composition of matter. 2,521,713, Sept. 12.
Goetz, Alexander, Altadena, Calif., assignor to Sunshine Mining Company, Yakima, Wash. Filter pump. 2,526,656, Oct. 24.
Goetz, Alexander, Pasadena, Calif., assignor to Sunshine Mining Company, Yakima, Wash. Porous filter powder. 2,508,602, May 23.
Goetz, Carlos C., New York, N. Y. Collar fastening device. 2,500,985, Mar. 21.
Goetz, Ernest F.: *See*—
McFarland, George L., Jr., and Goetz.
Goetz, Harry F., assignor, by mesne assignments, to Teahen Associates, Inc., Detroit, Mich. Supply and shutoff connection for flush tanks. 2,517,784, Aug. 8.
Goetz, Harry S., San Bernardino, Calif. Automobile cooler and support. 2,501,273, Mar. 21.
Goetz, John F.: *See*—
Barnes, George W., Jr., Goetz, and Wills.
Goetz, Phillippe L., assignee: *See*—
Smith, Lewis R.
Goetz, Richard, assignee: *See*—
Haas, Frank J.
Goetzman, Carl A.: *See*—
Weber, John, Jr., C. F., L. H., W. F., F. H., E. W., L. G., and Goetzman.
Goff, Henry J., Stockton, Calif. Carload spacer. 2,498,804, Feb. 28.
Goff, Henry J., Stockton, Calif. Machine for cutting handholds in wooden box ends. 2,534,167, Dec. 12.
Goff, Leland N., Midvale, Utah. Water heating device. 2,514,485, July 11.
Goffstein, Solen M., Dayton, Ohio. Luminant sign. 2,508,250, May 16.
Goforth, Edward E., Morristown, Tenn. Picture holder. 2,514,047, July 4.
Gogel, Adelbert J., Maumee, Ohio. Spark plug and making the same. 2,499,823, Mar. 7.
Gogerty, Frances E., Balboa Island, Calif. Surgical boot. 2,494,701, Jan. 17.
Goggin, Theodore C., Pitman, assignor to Clark & Clark Co., Wenonah, N. J. Monobasic phosphate of 1-phenyl-2-aminopropane. 2,507,468, May 9.
Gogol, Michael J., Southport, Conn. Garment hanger. 2,493,131, Jan. 3.
Gohn, Joseph F., Grosse Ile, Mich. Fuel mixer. 2,527,006, Oct. 24.
Gohorel, Fernand P., Antony, France, assignor to International Standard Electric Corporation, New York, N. Y. Control or signaling system. 2,512,639, June 27.
Goines, Albert C.: *See*—
Goines, John L., A. C., and C. S.
Goines, Charles S.: *See*—
Goines, John L., A. C., and C. S.
Goines, John L., A. C., and C. S., Charlotte, N. C. Padding or tableting press. 2,499,744, Mar. 7.
Goins, Robert R., and D. S. Hall, Bartlesville, Okla., assignors to Phillips Petroleum Company. Gas distributor for pebble heaters. 2,518,304, Aug. 8.
Gol, Nicholas, Youngstown, Ohio. Portable lawn sprayer. 2,518,771, Aug. 15.
Golasky, Adolph W., National Park, N. J. Rotating disk power lawn mower. 2,529,870, Nov. 14.
Golay, Charles R., Cambridge City, Ind. Truck dumping mechanism. 2,510,814, June 6.
Golay, Marcel J. E., Long Branch, N. J. Method and apparatus for measuring radiation. 2,502,319, Mar. 28.
Golaz, Charles L., Tamatave, Madagascar. Roof. 2,520,499, Aug. 29.
Gold, Harriet, assignee: *See*—
Hopp, Hermann, and Philip.
Gold, Marvin H., assignor to The Visking Corporation, Chcago, Ill. Making β-amino sulfonic compounds. 2,510,281, June 6.
Gold, Marvin H., assignor to The Visking Corporation, Chicago, Ill. β-Nitro sulfonic compounds and making same. 2,510,282, June 6.
Gold, Marvin H., and H. H. Levine, assignors to The Visking Corporation, Chicago, Ill. Solubilized azo dye. 2,526,218, Oct. 17.
Gold, Richard L., Erdington, Birmingham, England. Wringer. 2,531,333, Nov. 21.
Goldammer, Clara M. and F., Eureka Springs, Ark. Demountable wheel suspension. 2,522,867, Sept. 19.
Goldammer, Fred: *See*—
Goldammer, Clara M. and F.
Goldberg, Abraham G., Chestnut Hill, Mass. Suspensible child's chair. 2,508,822, May 23.
Goldberg, Alan A., and H. S. Turner, Bradford-on-Avon, assignors to Ward, Blenkinsop & Company Limited, Liverpool, England. Amino-alkyl esters of diphenylamine 2-monocarboxylic acids. 2,502,451, Apr. 4.
Goldberg, Alan A., Somerset, and H. S. Turner, Manchester, assignors to Ward, Blenkinsop & Company Limited, London, England. Carboxyphenylamino-amino-diphenyl sulfide and preparation thereof. 2,506,019, May 2.
Goldberg, Alan A., Somerset, and H. S. Turner, Manchester, assignors to Ward, Blenkinsop & Company, Limited, London, England. Bis-(carboxydiphenylamine)-sulfides and sulfones. 2,531,423, Nov. 28.
Goldberg, Alan A., and W. Kelly, Bradford-on-Avon, assignors to Ward, Blenkinsop & Company, Limited, Liverpool, England. Manufacture of 2,7-diaminoacridone. 2,493,191, Jan. 3.
Goldberg, Alan A., and W. Kelly, Bradford-on-Avon, assignors to Ward Blenkinsop & Company, Limited, Halewood, Liverpool, and Howards & Sons Limited, Ilford, Essex, England. Cyanoalkylamino derivatives of acridine and their production. 2,493,578, Jan. 3.
Goldberg, Alan A., Shepton, Mallet, and L. P. Ellinger, Halewood, Liverpool, assignors to Ward, Blenkinsop & Company Limited, London, England. 2-aminoalkylglyoxaline derivatives and the production thereof. 2,532,547, Dec. 5.
Goldberg, David, Brooklyn, N. Y. Toy punching bag. 2,510,883, June 6.
Goldberg, David, Springfield, Mass. Metacarpal splint. 2,520,035, Aug. 22.
Goldberg, David N., Wheeling, W. Va. Bucker tool. 2,502,255, Mar. 28.
Goldberg, Edwin A., Princeton, N. J., assignor to Radio Corporation of America. Frequency dividing network. 2,496,994, Feb. 7.
Goldberg, Harold: *See*—
Krumhansl, James A., and Goldberg.
Goldberg, Harold, assignor to Bendix Aviation Corporation, Towson, Md. Pulse-time demodulator. 2,500,536, Mar. 14.
Goldberg, Harold, Baltimore, assignor to Bendix Aviation Corporation, Towson, Md. Frequency and phase control system. 2,521,058, Sept. 5.
Goldberg, Harold, Irondequoit, and E. F. De Mers, assignors to Stromberg-Carlson Company, Rochester, N. Y. Parallel circuit arrangement for power tubes. 2,497,166, Feb. 14.
Goldberg, Harold, Irondequoit, and W. C. Thompson, assignors to Stromberg-Carlson Company, Rochester, N. Y. Coincidence circuit for image displaying systems. 2,497,165, Feb. 14.
Goldberg, Harry, assignor to Pioneer Gen-E-Motor Corporation, Chicago, Ill. Reel and cutter blade for lawn mowers. 2,495,372, Jan. 24.

Goldberg, Harry, assignor to Pioneer Gen-E-Motor Corporation, Chicago, Ill. Cutter bar for lawn mowers and the like. 2,518,136, Aug. 8.
Goldberg, Harry, assignor, by mesne assignments, to Pioneer Gen-E-Motor Corporation, Chicago, Ill. Forming cutter blades and reels for lawn mowers and the like. 2,521,059, Sept. 5.
Goldberg, Harry, and M. D. Burrows, assignors to Pioneer Gen-E-Motor Corporation, Chicago, Ill. Rotating cutting reel power lawn mower. 2,529,014, Nov. 7.
Goldberg, Harry A., assignor to Auto Radiator Specialty Co., Chicago, Ill. Heat exchanger. 2,494,548, Jan. 17.
Goldberg, Harry H., Denver, Colo. Metal window sash. 2,513,640, July 4.
Goldberg, Henry, Pittsburgh, Pa. Pressure device for lens grinding machines. 2,528,952, Nov. 7.
Goldberg, Herman M., assignor to Standard Refrigeration Company, Inc., Chicago, Ill. Pressure reducing device for refrigerating apparatus. 2,532,019, Nov. 28.
Goldberg, Herman M., and A. E. Karlberg, assignors to Chicago Seal Co., Chicago, Ill. Compressor for refrigerating apparatus. 2,505,709, Apr. 25.
Goldberg, Hermine, assignor of one-half to R. D. Goldberg, Omaha, Nebr. Stiffened cloth. 2,498,077, Feb. 21.
Goldberg, Hermine, assignor of one-half to R. D. Goldberg, Omaha, Nebr. Foundation garment. 2,505,616, Apr. 25.
Goldberg, Jacob M.: *See*—
Goldberg, Nathan E. and J. M.
Goldberg, Joseph H., Chicago, Ill., assignor to Drink-O-Matic Co. Dispensing apparatus. 2,527,250, Oct. 24.
Goldberg, Max, New York, N. Y. Machine with rotating platform for filling bags and pillows by centrifugal force. 2,502,087, Mar. 28.
Goldberg, Max W., West Bend, assignor to Modern Equipment Company, Port Washington, Wis. Skip carriage track. 2,499,060, Feb. 28.
Goldberg, Michael, Washington, D. C. Measuring out-of-roundness of machined parts. 2,515,214, July 18.
Goldberg, Moses W.: *See*—
Scott, William E., and Goldberg.
Goldberg, Moses W., Upper Montclair, and S. Teitel, Rutherford, assignors to Hoffman La Roche Inc., Nutley, N. J. Production of penicillin. 2,493,625. Jan. 3.
Goldberg, Moses W., Upper Montclair, and W. E. Scott, Essex Fells, assignors to Hoffmann-La Roche Inc., Nutley, N. J. Preparation of ethinyl-tetralols. 2,524,787, Oct. 10.
Goldberg, Moses W., Upper Montclair, and S. Teitel, Rutherford assignors to Hoffmann-La Roche Inc., Nutley, N. J. Ephedrine-penicillin. 2,527,810. Oct. 31.
Goldberg, Nathan E. and J. M., Denver, Colo. Separable moving picture film reel. 2,494,612, Jan. 17.
Goldberg, Ralph, assignor of one-third to J. H. Colvin, Baltimore, Md. Thermal fuel expansion unit. 2,518,-305, Aug. 8.
Goldberg, Ralph, assignor of one-half to J. H. Colvin, Baltimore, Md. Combined die and headless screw and bolt device. 2,521,910, Sept. 12.
Goldberg, Ralph D., assignee: *See*—
Goldberg, Hermine.
Goldberg, Robert J., New York, N. Y. Machine with perforated rotating drum for filling cushions and pillows with air free fibrous materials. 2,528,877, Nov. 7.
Goldberg, Simon: *See*—
Yardeny, Michel N., Bernas, and Goldberg.
Goldberger, Emanuel, Basel, Switzerland. Telephone call transmitter with digit indicating mechanism. 2,502,517, Apr. 4.
Goldberger, Ernö M., Givat Rambam, near Tel Aviv, Israel. Shoulder rest for violins. 2,522,944, Sept. 19.
Goldblatt, Leo A.: *See*—
Savich, Theodore R., and Goldblatt.
Goldblatt, Leo A., and D. M. Oldroyd, New Orleans, La., assignors to the United States of America as represented by the Secretary of Agriculture. Organochlorosilanes and their production. 2,533,240, Dec. 12.
Goldblatt, Maurice A. and P., Brooklyn, assignors to Guild Industries, Inc., New York, N. Y. Table with foldable and detachable legs. 2,503,199, Apr. 4.
Goldblatt, Philip: *See*—
Goldblatt, Maurice A. and P.
Golde, Edith, Los Angeles, Calif. Combination underwaist and brassière. 2,496,529, Feb. 7.
Golden, Bertie C., assignor to Millhiser Bag Company, Inc., Richmond, Va. Bag stringing machine and method. Re. 23,196, Feb. 7.
Golden, Bertie C., assignor to Millhiser Bag Company, Inc., Richmond, Va. Bag stringing machine. 2,504,974, Apr. 25.
Golden, Carl E., Burlingame, and O. L. Notley, San Francisco, Calif. High primary type gas burner with radiant screen. 2,533,104, Dec. 5.
Golden, John P., assignor to Goldens' Foundry & Machine Company, Columbus, Ga. Hydraulic pump and circuit. 2,522,783, Sept. 19.
Golden, John R., Hammond, Ind. Operator for flow control devices. 2,523,013, Sept. 19.
Golden, Samuel, New York, N. Y. Picture frame. 2,510,629, June 6.
Golden, Sidney, Cumberland, E. A. Comley, Cresaptown, and N. E. Alexander, Cumberland, Md., assignors to the United States of America as represented by the Secretary of the Navy. Electric thrust gauge. 2,523,464, Sept. 26.
Goldenberg, Leon, Shreveport, La. Floor polisher. 2,498,205, Feb. 21.
Goldens' Foundry & Machine Company, assignee: *See*—
Golden, John P.
Golden State Company, Ltd., assignee: *See*—
Hoecker, Wesley H., and Hammer.
Sharp, Paul F.
Goldfarb, Adolph, assignor to H. Fishlove & Co., Chicago, Ill. Novelty and amusement device. 2,504,679, Apr. 18
Goldfarb, Adolph, assignor to Max Richard Kraus, Chicago, Ill. Illusion device. 2,527,094, Oct. 24.
Goldfield, Edwin R., and R. C. Schiring, University Heights, assignor to Picker X-Ray Corporation Waite Manufacturing Division, Inc., Cleveland, Ohio. Tube shipping cradle. 2,494,170, Jan. 10.
Goldfield, Edwin R., and R. J. Stava, University Heights, and E. J. Bastin, Jr., assignors to Picker X-Ray Corporation Waite Manufacturing Division, Inc., Cleveland, Ohio. Minograph for photofluorography. 2,496,089, Jan. 31.
Goldfield, Edwin R., and R. J. Stava, University Heights, and E. J. Bastin, Jr., assignors to Picker X-Ray Corporation Waite Manufacturing Division, Inc., Cleveland, Ohio. X-ray tube focusing apparatus. 2,499,950, Mar. 7.
Goldfisher, Fred, Chicago, Ill., assignor to the United States of America as represented by the Secretary of War. Die structure for metallic cartridge belt links. 2,520,396, Aug. 29.
Goldhard, Franz K., London, England. Injection molding machine. 2,498,264, Feb. 21.
Goldhard, Franz K., London, England. Injection molding apparatus. 2,505,540, Apr. 25.
Golding, Ann, assignee: *See*—
Comerford, William H., and Golding.
Golding, James L., Bowman, and Comerford.
Golding, Evelyn L., assignee: *See*—
Comerford, William H., and Golding.
Golding, James L., Bowman, and Comerford.
Golding, J. Leonard, assignee: *See*—
Comerford, William H., and Golding.
Golding, James L.: *See*—
Comerford, William H., and Golding.
Golding, James L. and I. C. Bowman, Chicago, and W. H. Comerford, Bellwood, Ill., assignors to J. L., E. L., and A. Golding, doing business as Plasti-Glo Manufacturing Company. Bracket for curtains and draperies. 2,497,446, Feb. 14.
Golding, Leo R., Boston, Mass. Collapsible mushroom anchor. 2,499,138, Feb. 28.
Goldinger, Robert G., Codell, Kans. Accident valve. 2,526,346, Oct. 17.
Goldman, Aron L.: *See*—
Malki, Moises, Matzkin, and Goldman.
Goldman, Bronislaw, Pittsburgh, Pa. Apparatus for comminuting and mixing materials. 2,533,241, Dec. 12.
Goldman, Irving, Brooklyn, N. Y. Ear muff band. 2,504,826, Apr. 18.
Goldman, Isaac, Company, assignee: *See*—
Fonseca, Leo J.
Goldman, Joshua H., United States Navy. Air control valve. 2,496,286, Feb. 7.
Goldman, Robert, Brooklyn, N. Y., assignor to Premo Pharmaceutical Laboratories, Inc., Hackensack, N. J. Drain-clear container for aqueous-vehicle liquid pharmaceutical preparations. 2,504,482, Apr. 18.
Goldman, Sylvan N., Oklahoma City, Okla. Baby seat for store carts. 2,508,670, May 23.
Goldmark, Peter C., New Canaan, Conn., assignor to Columbia Broadcasting System, Inc., New York, N. Y. Color television. 2,528,510. Nov. 7.
Goldrich, Manny, Hewlett, assignor to W. D. Gladstone, New York, N. Y. Drum beater. 2,513,930, July 4.
Goldsberry, Manley, Frankfort, Ind. Shoe straightening device. 2,519,244, Aug. 15.
Goldsborough, Shirley L., Basking Ridge, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Distance-type relay with limited directional discrimination. 2,495,166, Jan. 17.
Goldsborough, Shirley L., Basking Ridge, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Minimum-voltage network. 2,504,827, Apr. 18.
Goldsborough, Shirley L., Basking Ridge, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Quasi-impedance relay system. 2,504,828, Apr. 18.
Goldsbrough, Leslie N.: *See*—
Garner, Philip J., Goldsbrough, and Buyers.
Goldsbrough, Robert E., Putney, London, England. Emulsifying machine. 2,514,999, July 11.
Goldsby, Arthur R.: *See*—
Veltman, Preston L., and Goldsby.
Goldsby, Fred L.: *See*—
Boardman, Harry C., Goldsby, and Orr.
Orr, Clifford M., and Goldsby.
Goldsby, Fred L., and C. M. Orr, Chicago, Ill., assignors to Chicago Bridge & Iron Company. Floating roof seal. 2,523,292, Sept. 26.

Goldsby, Fred L., and C. M. Orr., Chicago, Ill., assignors to Chicago Bridge and Iron Company. Seal for floating roof tanks. 2,531,424, Nov. 28.

Goldschmid, Kurt: *See*—
Bloch, Rudolf, Farkas, Goldschmid, Lewin, Schnerb, and Goldschmidt.

Goldschmidt, Paul: *See*—
Block, Rudolf, Farkas, Goldschmid, Lewin, Schnerb, and Goldschmidt.

Goldschmidt, Rudolf, Eckington, assignor to The Birmingham Small Arms Company Limited, Small Heath, Birmingham, England. Alternating current generator. 2,516,380, July 25.

Goldsmith, Alfred N., assignor to Radio Corporation of America, New York, N. Y. Television system. 2,509,038, May 23.

Goldsmith, Alfred N., assignor to Radio Corporation of America, New York, N. Y. Color television apparatus. 2,516,314, July 25.

Goldsmith, Alfred N., assignor to Radio Corporation of America, New York, N. Y. Color television system. 2,531,508, Nov. 28.

Goldsmith, Bertram J., Neshanic, N. J., assignor to Royal Swan, Inc., Dover, Del. Shuttle drive mechanism. 2,511,773, June 13.

Goldsmith, Florence, Rigo Park, N. Y. Full-lined inside out made necktie. 2,530,870, Nov. 21.

Goldsmith, Harry B., Jr.: *See*—
Jackson, Herbert W., and Goldsmith.

Goldsmith, Henry F., Philadelphia, Pa. Hair net and forming same. 2,524,255, Oct. 3.

Goldsmith, Hugo, and A. Hilton, assignors to Sport Products, Inc., Cincinnati, Ohio. Ball catching glove. 2,510,218, June 6.

Goldsmith, Hugo, and H. J. Wilkens, assignors to Sport Products, Inc., Cincinnati, Ohio. Catcher's mask. 2,502,377, Mar. 28.

Goldsmith, James R.: *See*—
Ziegler, Nicholas A., Meinhart, and Goldsmith.

Goldsmith, Joseph, Lyons, assignor to American Phenolic Corporation, Chicago, Ill. Coaxial cable termination. 2,509,341, May 30.

Goldsmith, Joseph, Lyons, assignor to American Phenolic Corporation, Chicago, Ill. Ground plane antenna. 2,529,213, Nov. 7.

Goldsmith, Lawrence D., Elmira Heights, N. Y. Rodent exterminator. 2,503,384, Apr. 11.

Goldsmith, Louis J., New York, N. Y. Mattress. 2,493,067, Jan. 3.

Goldsmith, Maurice O., Brookline, Mass. Filing device. 2,528,135, Oct. 31.

Goldsmith, Philip H., Wilmington, Del. Cylinder machine. 2,509,296, May 30.

Goldsmith, Robert H.: *See*—
Moss, Arthur L. C., and Goldsmith.

Goldsmith, Robert H., New York, N. Y.,Magnetic game board and cover therefor. 2,511,774, June 13.

Goldsmith, Thomas T., Jr.: *See*—
Du Mont, Allen B., Raibourn, and Goldsmith, Jr.

Goldsmith, Vernon H., West Palm Beach, Fla. Surface cleaning device employing liquid cleaning agent. 2,506,077, May 2.

Goldsmith, William, New York, N. Y. Key identification holder. 2,533,006, Dec. 5.

Goldson, Elaine, Great Saughall, Cheshire, England. Garment and collar construction. 2,520,539, Aug. 29.

Goldson, Elaine, Great Saughall, England. Coat and like garment for personal wear. 2,507,405, May 9.

Goldspiel, Solomon, and J. Meisler, Brooklyn, N. Y. Fluid spreader. 2,496,712, Feb. 7.

Goldstaub, Heinz H., Snaresbrook, England. Tube retainer and making same. 2,512,424, June 20.

Goldstein, Arnold, Allentown, Pa. Electric lighting device. 2,493,626, Jan. 3.

Goldstein, Charles W., assignor to M. H. Sacharow, Cleveland, Ohio. Knife sharpener. 2,509,636, May 30.

Goldstein, David M., assignor to New England Stamping Works, Inc., Boston, Mass. Roof flashing and pipe joint. 2,510,926, June 6.

Goldstein, Goldie H., Duluth, Minn. Auxiliary seat for strollers. 2,517,785, Aug. 8.

Goldstein, Harry A., Bridgeport, Conn. Man's wearing apparel. 2,505,356, Apr. 25.

Goldstein, Herbert, Elizabeth, N. J., assignor to L. Sonneborn Sons, Inc. Cement compositions. 2,514,637, July 11.

Goldstein, Herman B., Cranston, and A. S. Waldman, Providence, R. I., assignors to Sun Chemical Corporation, New York, N. Y. Surface active compositions. 2,528,136, Oct. 31.

Goldstein, Howard E., Minneapolis, Minn. Garment. 2,505,239, Apr. 25.

Goldstein, Jacob: *See*—
Post, Abraham, and Goldstein.

Goldstein, Jacob M., Wilkes-Barre, Pa. Pie-making machine. 2,494,236, Jan. 10.

Goldstein, Ladislas and B. Pregel, assignors to Canadian Radium & Uranium Corporation, New York, N. Y. Exploring for radioactive bodies. 2,499,489, Mar. 7.

Goldstein, Max, Schenectady, N. Y., assignor to General Electric Company. Marking device. 2,523,757, Sept. 26.

Goldstein, Maxwell K., Washington, D. C. Direction finder. 2,519,366, Aug. 22.

Goldstein, Samuel, New York, N. Y. Pressing machine. 2,516,695, July 25.

Goldstein, Samuel R., New York, N. Y. Skirt marker. 2,532,298, Dec. 5.

Goldstein, Sylvia B., New York, N. Y. Crib with mattress frame and side panels simultaneously movable in opposite vertical directions. 2,504,324, Apr. 18.

Goldstine, Hallan E., Port Jefferson, N. Y., assignor to Radio Corporation of America. Frequency shift keying channeling. 2,511,204, June 13.

Goldston, Joseph E., Toledo, Ohio, assignor to Castaloy Corporation, Detroit, Mich. Plastic dip tank. 2,495,961, Jan. 31.

Goldsworthy, Paul A., Felton, Calif. Cigarette feeding device. 2,510,630, June 6.

Goldthwaite, Robert S., assignor to The Rutenber Electric Co., Marion, Ind. Pressure cooking stove protective system. 2,507,666, May 16.

Golian, Serge E., Washington, D. C., and R. M. Whitmer, Belmont, Mass., assignors, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Buoy supported collapsible radar reflector. 2,534,710, Dec. 19.

Golick, Joseph J.: *See*—
Briskin, Jack, and Golick.

Golino, John, Brooklyn, N. Y. Receptacle with outwardly swingable side walls. 2,527,007, Oct. 24.

Golkoski, Bernard A., Washington, D. C. Focusing control stop for cameras. 2,494,237, Jan. 10.

Goll, Milton, Rosselle, assignor to Nuodex Products Co., Inc., Elizabeth, N. J. Pest control agents. 2,494,941, Jan. 17.

Golladay, Lawrence R.: *See*—
Breisch, Edgar W., Reed, and Golladay.

Golladay, Lawrence R., Forest Hills, assignor to The Union Switch & Signal Company, Swissvale, Pa. Producing frequency modulation. 2,526,347, Oct. 17.

Golland, Jack D.: *See*—
Kenworthy, Orville O., Goda, and Golland.

Goller, George N., Baltimore, Md., assignor to Armco Steel Corporation. Stainless steel and method. 2,505,762, May 2.

Goller, George N., Baltimore, Md., assignor to Armco Steel Corporation. Stainless steel and method. 2,505,763, May 2.

Goller, George N., Baltimore, Md., assignor to Armco Steel Corporation. Stainless steel and method. 2,505,764, May 2.

Goller, George N., Baltimore, Md., assignor to Armco Steel Corporation. Stainless steel and method. 2,506,558, May 2.

Golliez, Georges, Lausanne, Switzerland. Muffler formed of plural nozzles. 2,507,336, May 9.

Gollwitzer, Walter T., Euclid, Ohio, assignor to Addressograph-Multigraph Corporation, Wilmington, Del. Printing machine. 2,500,069, Mar. 7.

Gollwitzer, Walter T., Euclid, Ohio, assignor to Addressograph-Multigraph Corporation, Wilmington, Del. Calculating machine. 2,501,444, Mar. 21.

Gollwitzer, Walter T., Euclid, Ohio, assignor to Addressograph-Multigraph Corporation, Wilmington, Del. Printing machine. 2,503,906, Apr. 11.

Gollwitzer, Walter T., Euclid, Ohio, assignor to Addressograph-Multigraph Corporation, Wilmington, Del. Sensing mechanism for record cards and the like. 2,508,603, May 23.

Gollwitzer, Walter T., Euclid, Ohio, assignor to Addressograph-Multigraph Corporation, Wilmington, Del. Sheet detecting means in printing machines. 2,511,670, June 13.

Gollwitzer, Walter T., Euclid, Ohio, assignor to Addressograph-Multigraph Corporation, Wilmington, Del. Code translating mechanism. 2,513,998, July 4.

Gollwitzer, Walter T., Euclid, Ohio, assignor to Addressograph-Multigraph Corporation, Wilmington, Del. Printing device. 2,535,733, Dec. 26.

Gollwitzer, Walter T., Euclid, and J. H. Gruver, East Cleveland, Ohio, assignors to Addressograph-Multigraph Corporation, Wilmington, Del. Card punching machine. 2,521,118, Sept. 5.

Golrick, Albert R., Cleveland Heights, assignor to S. K. Towson, Shaker Heights, Ohio. Pallet. 2,509,682, May 30.

Golseth, James G.: *See*—
Fizzell, James A., and Golseth.

Golub, Samuel G., and P. G. Field, New York, N. Y. Neurological hammer with brush and needle hidden in handle. 2,532,093, Nov. 28.

Golubics, George J., Detroit, Mich. Runner attachment for wheeled vehicles. 2,523,950, Sept. 26.

Gomberg, Henry J.: *See*—
Dow, William G., Early, and Gomberg.

Gomberg, Jacob, Chicago, Ill. Wrist watch holder. 2,532,161, Nov. 28.

Gomberg, Jacob, Chicago, Ill. Bobbin for knitting yarn and the like. 2,533,731, Dec. 12.

Gomco Surgical Manufacturing Corp., assignee, *See*—
Henderson, Stanford A.

Gomelski, Joseph, Paris, France. Stretcher for seriously wounded. 2,514,128, July 4.

Gomersall, John R., assignor to McGraw Electric Company, Elgin, Ill. Water level indicator. 2,533,578, Dec. 12.

Gomes, Frederick J.: *See*—
Wadman, Lucius E., and Gomes.
Gomez, Richard J., Yonkers, N. Y. Combination eye-shade and shield. 2,506,956, May 9.
Gomez, Richard J., Yonkers, N. Y. Spatterproof frying pan cover. 2,506,957, May 9.
Gomonet, Edouard, assignor to Société Anonyme pour les Applications de l'Electricité et des Gaz Rares-Etablissements Claude-Paz et Silva, Paris, France. Lightning arrester. 2,505,668, Apr. 25.
Gonda, Desiré, Sittingbourne, assignor to Holoplast Limited, New Hythe, near Maidstone, Kent, England. Acoustic panel. 2,528,049, Oct. 31.
Gondar, Rudolph, Stratford, Conn. Collapsible loading and storing device. 2,498,414, Feb. 21.
Gondek, John T., Minneapolis, assignor, by mesne assignments, to Northern Ordnance, Incorporated, Fridley, Minn. Sprag type overrunning clutch. 2,520,004, Aug. 22.
Gongwer, Calvin A., Azusa, and W. J. Merboth, Monrovia, assignors to Aerojet Engineering Corporation, Azusa, Calif. Apparatus for jet propulsion through water by combustion of carbureted fuel. 2,522,945, Sept. 19.
Gonia, Harold A., assignor to Beech-Nut Packing Company, Canajoharie, N. Y. Machine for decurling labels. 2,531,619, Nov. 28.
Gonser, Bruce W.: *See*—
Henderson, Ashland S., Slowter, and Gonser.
Gonsett, Faust R. and R. R., Los Angeles, Calif. Television antenna. 2,532,094, Nov. 28.
Gonsett, Robert R.: *See*—
Gonsett, Faust R. and R. R.
Gonzalez, Jose N., Salamanca, Gto., Mexico. Educational apparatus. 2,493,668, Jan. 3.
Gonzalez, Julio, Hudson County, N. J. Drill. 2,496,939, Feb. 7.
Gonzalez, Luis D., Seville, Spain. Heating system. 2,524,288, Oct. 3.
Gonze, Max, Forest-Brussels, assignor to Solvay & Cie, Brussels, Belguim. Photochemical preparation of benzene hexachloride. 2,513,092, June 27.
Gonze, Max, Forest-Brussels, assignor to Solvay & Cie, Brussels, Belgium. Photochemical preparation of benzene hexachlorides. 2,524,970, Oct. 10.
Gonze, Max, Forest-Brussels, assignor to "Solvay & Cie," Brussels, Belgium. Photochemical preparation of γ benzene hexachloride. 2,529,803, Nov. 14.
Gooch, Herbert L., Miami, Fla. Hydraulic mower. 2,523,014, Sept. 19.
Gooch, Louis, Huntington Park, Calif. Adjustable free-floating brake. 2,503,615, Apr. 11.
Gooch, William A., Istrouma, La. Antijamming attachment for typewriters. 2,529,604, Nov. 14.
Good, Beulah L.: *See*—
Good, Charles Z. and B. L.
Good, Charles Z. and B. L., Los Angeles, Calif. Photographic retouching stand. 2,497,215, Feb. 14.
Good, Francis R., Long Beach, Calif. Automobile map holder. 2,503,550, Apr. 11.
Good, Francis R., Long Beach, Calif. Kit for overhead type valves. 2,525,791, Oct. 17.
Good, Frederick C., Cheltenham, Pa. Universal joint. 2,499,490, Mar. 7.
Good, George M.: *See*—
Luten, Daniel B., Jr., and Good.
Voge, Hervey H., Good, and Greensfelder.
Good, Lowell H., Riverton, N. J., assignor to Radio Corporation of America. Noise operated automatic volume control. 2,501,327, Mar. 21.
Good, Sidney B., assignee: *See*—
Conway, Edward S., and Amendolara.
Goodale, Elmer D.: *See*—
Duke, Vernon J., and Goodale.
Goodale, Harold R., Bristol, Conn. Playhouse and tent. 2,535,792, Dec. 26.
Goodall, Frederic L.: *See*—
Hobday, Cyril, and Goodall.
Goodall, Howard W., Aldan, Pa. Hose coupling. 2,512,741, June 27.
Goodall-Sanford, Inc., assignee: *See*—
Briggs, James E.
Goodall, William M., Oakhurst, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Frequency modulation detector. 2,499,742, Mar. 7.
Goodall, William M., Oakhurst, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Regenerative relay repeater. 2,502,942, Apr. 4.
Goodall, William M., Oakhurst, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Regenerative relay repeater. 2,505,040, Apr. 25.
Goodall, William M., Oakhurst, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Communication system employing pulse code modulation. 2,531,846, Nov. 28.
Goodbar, Mayo A., and A. J. Green, assignors to The National Cash Register Company, Dayton, Ohio. Drawer controlled printing and feeding means in cash registers. 2,499,217, Feb. 28.
Goodchild, Frank D., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Filament support structure. 2,521,714, Sept. 12.
Goodchild, Henry C., Los Angeles, Calif. Cushion for clutch plates. 2,533,789, Dec. 12.
Goodchild, Sydney L., Beckenham, England. Mixing machine. 2,502,563, Apr. 4.
Goode, Godfrey P., Covington, Ky., and C. K. Gieringer, assignors to The Liebel-Flarsheim Company, Cincinnati, Ohio. Spark gap mechanism. 2,519,647, Aug. 22.
Goode, Joseph H., Houston, Tex. Adjustable pipe connection. 2,497,986, Feb. 21.
Goode, Joseph H., Houston, Tex. Adjustable connection for pipes. 2,497,987, Feb. 21.
Goode, Robert E., Jr., Prescott, Ariz. Toy locomotive construction. 2,501,719, Mar. 28.
Goodell, Paul H., Cincinnati, Ohio, assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Electrically heated oven. 2,504,516, Apr. 18.
Goodenrath, Lyonel L., Shelby, Mich. Electrician's solder dipper heater. 2,535,731, Dec. 26.
Gooderham, John W., Rye, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical control circuit for accounting system devices. 2,522,946, Sept. 19.
Goodhand, Glenn, Pittsford, N. Y., assignor, by mesne assignments, to Bell & Howell Company, Chicago, Ill. Photographic cassette. 2,519,753, Aug. 22.
Goodheart, Jack, Brooklyn, assignor of one-third to A. Shlefstein, New York, and one-third to J. Ancona, Brooklyn, N. Y. Device for dispensing material contained in collapsible receptacles. 2,534,708, Dec. 19.
Goodhue, William V.: *See*—
Chase, Ernest E., Nokes, Stratton, and Goodhue.
Gooding, Chester M.: *See*—
Vahlteich, Hans W., Neal, and Gooding.
Gooding, Chester M., Staten Island, N. Y., and H. W. Vahlteich, Edgewater, and R. H. Neal, North Bergen, N. J., assignors to The Best Foods, Inc., New York, N. Y. Citric acid esters. 2,518,678, Aug. 15.
Goodloe, Alfred M., Upper Montclair, assignor to Metal Textile Corporation, West Orange, N. J. Wick for oil burners. 2,493,961, Jan. 10.
Goodloe, Alfred M., Upper Montclair, assignor to Metal Textile Corporation, West Orange, N. J. Separator for removing entrained liquid particles from a flowing gaseous medium. 2,521,785, Sept. 12.
Goodman, Abraham, Miami Beach, Fla., assignor to Delamere Company, Inc. Hair fastener. 2,513,166, June 27.
Goodman, Abraham H.: *See*—
Walsh, James F., Levitt, and Goodman.
Goodman, Arthur: *See*—
Swift, William, and Goodman.
Goodman, Ben, assignor to Greenmount Manufacturing Company, Baltimore, Md. Tire casing spreader. 2,496,389, Feb. 7.
Goodman, Charles, New York, N. Y. Traveling underwater compressed air working chamber. 2,519,453, Aug. 22.
Goodman, Charles, New York, N. Y. Movable underwater compressed air working chamber with control buoyancy. 2,524,382, Oct. 3.
Goodman, David R.: *See*—
Wexberg, Harold M., and Goodman.
Goodman, Gilbert, Bayonne, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Resistor coated with ceramic composition. 2,508,511, May 23.
Goodman, Hugh F.: *See*—
Seligman, Richard, and Goodman.
Goodman, Jacob, New York, N. Y., assignor to Delamere Company, Inc., Jersey City, N. J. Hair-retaining comb. 2,506,297, May 2.
Goodman, Joseph, Cambridge, Mass. Coat sleeve construction. 2,534,551, Dec. 19.
Goodman, Joseph, New York, N. Y. Flapping toy. 2,510,627, June 6.
Goodman, Joseph F., assignor to Automatic Truck Loader Corporation, New York, N. Y. Self-loading truck. 2,494,171, Jan. 10.
Goodman, L. A., Manufacturing Company: *See*—
Goodman, Louis A.
Goodman, Louis A., assignor to L. A. Goodman Manufacturing Company, Chicago, Ill. Self-righting toy. 2,499,743, Mar. 7.
Goodman, Mac, assignor to Radio Receptor Company, Inc., New York, N. Y. Rectifiers. 2,507,782, May 16.
Goodman Manufacturing Company, assignee: *See*—
Bergmann, Ernst R.
Buckeridge, Roger M.
Cartlidge, Frank.
Hagenbook, Loy D.
Sherwood, Mather W.
Sloane, William W.
Slomer, Joseph J.
Wood, Claude O.
Goodman, Max, Brooklyn, N. Y. Stocking wear. 2,513,639, July 4.
Goodner, Theodore C., Rocky Ford, Colo. Centrifugal turbine pump. 2,506,827, May 9.
Goodnough, Anson V., Brandon, Vt. Invalid carrier. 2,524,314, Oct. 3.
Goodrich, B. F., Company, The, assignee: *See*—
Alexander, Claude H.
Ambler, Robert R., and Weston.
Ardis, Alan E.
Ardis, Alan E., and Gilbert.
Bankert, Ralph A.
Baumgartner, Luther L.

Goodrich, B. F., Company, The, assignee: *See*—Continued.
Beears, Warren L.
Bixby, Willard F.
Bowen, Claude T.
Carlson, Earl J.
Chenoweth, Laurence H.
Clouser, Benn E.
Colley, Russell S.
Compton, Jack.
Craig, David.
Crawford, Richard A., and Rogers.
Dasher, Paul J.
Demick, Kenneth C.
Dorner, John A.
Gilbert, Harry.
Gregory, James T., and Jansen.
Gresham, Thomas L., and Bankert.
Gresham, Thomas L., and Jansen.
Gresham, Thomas L., and Shaver.
Haren, Urban C.
Harper, Thomas C.
Hasselquist, Victor H.
Hatfield, Arch L., and Owen.
Hermanns, Otto E.
Hollerith, Charles.
Hollis, Arthur L.
Hopperstead, Sever L.
Hursh, Robert W.
Jansen, Jacob E., and Gregory.
Jenkins, William L.
Kehe, Henry J.
Kehe, Henry J., and Shelley.
Krotz, Alvin S.
Krupp, Carroll P.
Leguillon, Charles W.
Leguillon, Charles W., and Krupp.
L'Hollier, Leslie H.
L'Hollier, Leslie H., and Tousley.
Lessig, Edward T.
Loweke, Erwin F.
Madien, Marshall L.
Mathes, Roger A., and Stewart.
Miller, Floyd F.
Olson, Frederick F.
Place, Russell T.
Powers, John R.
Reuter, Louis F., and Syverson.
Rhoton, Albert L.
Riley, Chester A.
Sarbach, Donald V.
Schaffer, James R.
Schanz, George H.
Sears, Daniel S.
Seifried, Anton G.
Semegen, Stephen T.
Shaver, Forrest W.
Slemmons, Charles O.
Slusher, Frank.
Smith, Grant W.
Smith, Robert W.
Snyder, Clarence E.
Spaulding, David C., and Brockway.
Spicer, Alvin W.
Standen, John H.
Sternad, Frank S., and Sapp.
Stewart, William D.
Stewart, William D., and Standen.
Strong, Walter J.
Tincler, George A., and Gill.
Traxler, Eugene R.
Tritt, Forest G., and Phillips.
Weber, John A.
Weber, John A., and Teck.
Whitman, Hyman L.
Wigal, Voorhis F.
Woodard, Harry W.

Goodrich, Hunter C., Jr., Collingswood, N. J., assignor to Radio Corporation of America. Reciprocating motor system. 2,511,580, June 13.

Goodrich, Levi F., assignor to Corning Glass Works, Corning, N. Y. Mold charging apparatus. 2,528,509, Nov. 7.

Goodrich, S Max, Lansing, Mich. Tool to determine angle and length of lips of twist drills. 2,506,868, May 9.

Goodrich, Uriel E.: *See*—
Marica, Glen E., and Goodrich.

Goodric, Joseph J., assignor to Wrightway Engineering Co., Chicago, Ill. Water and air mixing device. 2,510,395, June 6.

Goodrie, Joseph J., assignor to Wrightway Engineering Co., Chicago, Ill. Aerating device. 2,510,396, June 6.

Goodson, Archibald B.: *See*—
Goodson, Kenneth W. and A. B.

Goodson, George W., North Haven, assignor to The Seamless Rubber Company, New Haven, Conn. Bath spray or like connector. 2,507,536, May 16.

Goodson, Kenneth W., Hampton, Va., and A. B. Goodson, Goldsboro, N. C. Uniform blade lift system for rotors. 2,506,210, May 2.

Goodson, Louis H., Kansas City, Mo., and R. B. Moffett, Kalamazoo, Mich., assignors to George A. Breon & Company, Kansas City, Mo. N-allyl-1,2-diphenylethylamine. 2,504,122, Apr. 18.

Goodson, Louis H., Kansas City, Mo., and R. B. Moffett, Kalamazoo, Mich., assignors to George A. Breon & Company, Kansas City, Mo. N-(2-hydroxyethyl)-1,2-bis (4-methoxyphenyl) ethylamine. 2,506,588, May 9.

Goodspeed, Carl M., Fort Dodge, Iowa. Combine wagon hitch. 2,512,097, June 20.

Goodstein, Charles B., New Rochelle, N. Y. Staple feed for fastener applying machines. 2,501,564, Mar. 21.

Goodwillie, John E.: *See*—
Hornbostel, Lloyd, and Goodwillie.

Goodwillie, John E., assignor to Beloit Iron Works, Beloit, Wis. Sealed wet end for paper machines. 2,535,732, Dec. 26.

Goodwin, Alfred D., Manteca, Calif. Nut cracking and shelling machine. 2,500,675, Mar. 14.

Goodwin, Alfred D., Manteca, Calif. Nut pickup machine. 2,508,454, May 23.

Goodwin, Chester H., Nitro, W. Va., assignor to American Viscose Corporation, Wilmington, Del. Deaerating liquids. 2,509,267, May 30.

Goodwin, Edwin W., New Rochelle, assignor to R. Hoe & Co., Inc., New York, N. Y. Tripping mechanism for printing machines. 2,517,868, Aug. 8.

Goodwin, Edwin W., New Rochelle, assignor to R. Hoe & Co., Inc., New York, N. Y. Ink fountain. 2,519,182, Aug. 15.

Goodwin, Frank M., Buffalo, N. Y. Adjustable headrest for attachment to chairs. 2,527,544, Oct. 31.

Goodwin, George W., Shaker Heights, Ohio. Packaging wrapper. 2,522,868, Sept. 19.

Goodwin, John T., Jr., assignor to Dow Corning Corporation, Midland, Mich. Halogenosilahydrocarbons and their production. 2,507,518, May 16.

Goodwin, John T., Jr., assignor to Dow Corning Corporation, Midland, Mich. Organosiloxanes. 2,507,519, May 16.

Goodwin, John T., Jr., assignor to Dow Corning Corporation, Midland, Mich. Difunctional silahydrocarbons. 2,507,520, May 16.

Goodwin, John T., Jr., assignor to Dow Corning Corporation, Midland, Mich. Substituted 1,3,5 trisilapentanes. 2,527,807, Oct. 31.

Goodwin, John T., Jr., assignor to Dow Corning Corporation, Midland, Mich. Organosiloxanes. 2,527,808, Oct. 31.

Goodwin, John T., Jr., assignor to Dow Corning Corporation, Midland, Mich. Organosiloxanes. 2,527,809, Oct. 31.

Goodwin, John T., Jr., Pittsburgh, Pa., assignor to Dow Corning Corporation, Midland, Mich. Monofunctional polysilahydrocarbons and their production. 2,507,512, May 16.

Goodwin, John T., Jr., Pittsburgh, Pa., assignor to Dow Corning Corporation, Midland, Mich. Production of hexaorganodisilapropanes. 2,507,513, May 16.

Goodwin, John T., Jr., Pittsburgh, Pa., assignor to Dow Corning Corporation, Midland, Mich. Organo siloxanes and their production. 2,511,056, June 13.

Goodwin, John T., Jr., Pittsburgh, Pa., assignor to Dow Corning Corporation, Midland, Mich. Alkylsilahydrocarbons. 2,511,812, June 13.

Goodwin, Reginald, assignor to George Angus and Company Limited, Newcastle-upon-Tyne, England. Forming endless toroidal wire spring belts. 2,530,163, Nov. 14.

Goodwin, Roland D., Lakewood, Ohio. Metal variable shutter awning. 2,532,401, Dec. 5.

Goodwin, Thomas E., Hempstead, assignor to Erco Radio Laboratories, Inc., Garden City, N. Y. Trigger amplifier. 2,516,201, July 25.

Goodwine, Earl, Jr., Hoopeston, Ill. Automatic steering device. 2,509,914, May 30.

Goody, Robert B., New York, assignor to M. Sherman, Flushing, N. Y. Brazing and hard soldering flux. 2,499,641, Mar. 7.

Goodyear Aircraft Corporation, assignee: *See*—
Ames, Robert S.
Bateman, Ralph C., and Pflug.
Beck, Derwood A., and Eddy.
Jonard, Howard A., and Polzin.
Shaw, Elgin L.

Goodyear, Charles H., Stockton, assignor to Fiberboard Products Inc., San Francisco, Calif. Cell type carton. 2,525,125, Oct. 10.

Goodyear, Charles H., Stockton, assignor to Fibreboard Products Inc., San Francisco, Calif. Tray type collapsible carton. 2,531,507, Nov. 28.

Goo Kim, John K., Jr., assignee: *See*—
Singer, Henry.

Gookin, Sylvester L., Quincy, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Hopper with openable gate in bottom wall. 2,499,491, Mar. 7.

Gookin, Sylvester L., Quincy, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Oscillatable and removable raceway. 2,499,492, Mar. 7.

Gookin, Sylvester L., Quincy, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Eyeleting machine. 2,530,575, Nov. 21.

Goolsbee, Charles C., *See*—
Stockes, John C., and Goolsbee.
Goolsbee, Charles C., assignor to Reed Roller Bit Company, Houston, Tex. Drill bit. 2,507,439, May 9.
Goolsbee, Charles C., assignor to Reed Roller Bit Company, Houston, Tex. Quick-change slush nozzle. 2,519,648, Aug. 22.
Goolsbee, Charles C., assignor to Reed Roller Bit Company, Houston, Tex. Quick-change slush nozzle. 2,520,362, Aug. 29.
Goolsbee, Charles C., and D. W. Wallace, assignors to Reed Roller Bit Company, Houston, Tex. Quick-change slush nozzle. 2,525,667, Oct. 10.
Gooskens, Henricus, W. Elenbaas, and A. A. Padmos, Eindhoven, Netherlands, assignors to General Electric Company, Schenectady, N. Y. Electrode structure for electric discharge devices or lamps. 2,497,496, Feb. 14.
Goral, Ernest W.: *See*—
Clambrone, Frederick P., and Goral.
Gorden, Walter L., assignor to Mall Tool Company, Chicago, Ill., Chain saw. 2,527,251, Oct. 24.
Gordon, Arthur, Chicago, Ill. Liquid separator. 2,530,054, Nov. 14.
Gordon, Charles W., Glenn Ellyn, Ill., assignor to Combustion Engineering-Superheater, Inc. Flash drying and calcining system. 2,505,617, Apr. 25.
Gordon, Charles W., Glen Ellyn, Ill., assignor to Combustion Engineering-Superheater, Inc. Continuous batch flash drier having coordinated feed and recycling means. 2,535,570, Dec. 26.
Gordon, Elmer C.: *See*—
Resnick, Leo P., and Gordon.
Gordon Engineering, Inc., assignee: *See*—
Lampe, Albert G.
Gordon, George H., Bradford Woods, and E. C. Hilker, assignors to Edwin L. Wiegand Company, Pittsburgh, Pa. Spark gap apparatus. 2,528,050, Oct. 31.
Gordon, Harry E., assignor to Rochester Telephone Corporation, Rochester, N. Y. Multiparty message rate line circuit. 2,523,657, Sept. 26.
Gordon, Harry L., Elmhurst, N. Y. Antifriction ball bearing. 2,505,110, Apr. 25.
Gordon, Harry L., Sunland, Calif. Antifriction roller bearing. 2,513,860, July 4.
Gordon, Hayner H., Washington, D. C., assignor to Hayner Corporation, New York, N. Y. Automotive vehicle power plant indicating system. 2,511,631, June 13.
Gordon, Henrietta C., administratrix: *See*—
Resnick, Leo P., and Gordon.
Gordon, James B., assignor to Twentieth Century-Fox Film Corporation, Los Angeles, Calif. Variable speed power transmitter. 2,527,631, Oct. 31.
Gordon, James F., assignor to Bendix Aviation Corporation, Towson, Md. Phase indicator. 2,519,331, Aug. 15.
Gordon, John D.: *See*—
Agee, Harold J., Cowgill, and Gordon.
Gordon, John M.: *See*—
Zimmerman, Ralph H., Gordon, and Thompson.
Gordon, Kenneth C.: *See*—
McMullen, Robert L., and Gordon.
Gordon, Melvin J.: *See*—
Wilcher, Abrasha, and Gordon.
Gordon, Pauline Z., New York, N. Y. Brassière construction. 2,506,639, May 9.
Gordon, Robert B.: *See*—
Scott, Howard, Gordon, and Hull.
Gordon, Ronald A., Wilmington, Ohio. Road building machine. 2,522,610, Sept. 19.
Gordon, Sadye Z., assignee: *See*—
Wilcher, Abrasha, and Gordon.
Gordon, Saul E., Detroit, Mich. Control valve for double-acting piston type motors. 2,500,538, Mar. 14.
Gordon, William, Union City, N. J. Quick-acting slidable jaw wrench. 2,502,407, Mar. 28.
Gordon, William A., Shelton, assignor to Farrel-Birmingham Company, Inc., Ansonia, Conn. Machine for treating rubber. 2,499,913, Mar. 7.
Gordon, William G., San Antonio, Tex. Combination hedge trimmer and lawn mower. 2,502,943, Apr. 4.
Gordon, William G., and R. W. Jackson, Philadelphia, Pa., and A. E. Brown, Washington, D. C., assignors to the United States of America as represented by the Secretary of Agriculture. Acylated protein and making same. 2,525,792, Oct. 17.
Gordos, Arpad J. and M. B., Clymer, Pa. Clothespin. 2,494,613, Jan. 17.
Gordos, Minnie B.: *See*—
Gordos, Arpad J. and M. B.
Gordy, Irving, Eatontown, N. J. Device to introduce rotary motion into a sealed casing. 2,509,227, May 30.
Gordy, Walter O., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Antenna. 2,521,844, Sept. 12.
Gorecki, Robert J., assignor to Raybestos-Manhattan, Inc., Passaic, N. J. Apparatus for making V-belts. 2,518,137, Aug. 8.
Goren, Mayer B., Brighton, Mass., and D. E. Adelson, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Liquid hydrocarbon lubricant, an additive therefor and making the additive. 2,511,630, June 13.
Gorey, Archie H., assignor to Graflex, Inc., Rochester, N. Y. Photographic camera with readily removable curtain-shutter unit. 2,511,157, June 13.
Gorey, Archie H., assignor to Graflex, Inc., Rochester, N. Y. Curtain-shutter operating mechanism for photographic cameras. 2,517,658, Aug. 8.
Gorfin, Alex M., New York, assignor to Legion Utensils Co., Long Island City, N. Y. Pressure cooker closure. 2,529,767, Nov. 14.
Gorgun, David, Brooklyn, N. Y. Window frame and rolling screen. 2,521,455, Sept. 5.
Gorham, George, assignor, by mesne assignment, to Technicon Cardiograph Corporation, New York, N. Y. Feed mechanism for recording devices. 2,524,564, Oct. 3.
Gorham, John E., Spring Lake, and W. T. Silver, Belmar, N. J., assignors to the United States of America as represented by the Secretary of War. Line pulse modulator. 2,534,261, Dec. 19.
Gorin, Everett: *See*—
Kilgren, Evert W., and Gorin.
Gorin, Everett, Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Manufacture of halogenated hydrocarbons. 2,498,546, Feb. 21.
Gorka, Elynor D., and M. B. Gideon, Kansas City, Mo. Thread-cutting thimble. 2,494,439, Jan. 10.
Gorlenko, Leonid, New York, N. Y. Device for mechanically turning pages of books. 2,508,913, May 23.
Gorman, Samuel H., Brooklyn, N. Y. Portable automobile seat armrest. 2,524,659, Oct. 3.
Gorman, Thomas, Jr., Newark, N. J. Machine for packing cans and the like. 2,527,252, Oct. 24.
Gorman, Thomas J., Jr., Newark, N. J. Bail for cans. 2,535,676, Dec. 26.
Gormley, Robert S., Glenridge, N. J., C. Maggs, Bethlehem, and L. F. Moose, Allentown, Pa., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electronic discharge device. 2,527,127, Oct. 24.
Gormly, Richard W.: *See*—
De Benneville, Peter L., Bock, and Gormly.
De Benneville, Peter L., and Gormly.
Gorn, Elmer J., assignor to Raytheon Manufacturing Company, Newton, Mass. Frequency-modulating apparatus. 2,505,240, Apr. 25.
Gorny, Alvina E., Chicago, Ill. Clothespin. 2,508,785, May 23.
Gorrell, Fred, Odessa, Tex. Lubricating system for sheave blocks. 2,535,915, Dec. 26.
Gorski, Julian: *See*—
Tamgna, Irene G., and Gorski.
Gorski, Julian, New York, N. Y. Device for shaping spectacle frames. 2,502,088, Mar. 28.
Gorsuch, Harold F., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Drying apparatus having operation sequence control. 2,505,041, Apr. 25.
Gorton, George, Machine Company, assignee: *See*—
Eserkaln, Theodore F.
Eserkaln, Theodore F., and Qualler.
Eserkaln, Theodore F., and Steinbrecker.
Gorton, George.
Miller, Theodore.
Miller, Theodore, Jensen, and Overturf.
Gorton, George, assignor to George Gorton Machine Co., Racine, Wis. Guide collet. 2,496,995, Feb. 7.
Gorton Heating Corporation, assignee: *See*—
Gorton, Joseph A.
Gorton, Joseph A., Montclair, assignor to Gorton Heating Corporation, Cranford, N. J. Radiator vent valve. 2,494,293, Jan. 10.
Gorton, Thomas S., Jr., Chicago, Ill. Frozen food package. 2,519,960, Aug. 22.
Gorton, Thomas S., Jr., Chicago, Ill. Rapid freeze process for food products. 2,522,221, Sept. 12.
Goshaw, Irl R.: *See*—
Kreuzer, Barton, and Goshaw.
Gosheff, Dragie P., Tampa, Fla. Deodorizer. 2,503,331, Apr. 11.
Goslin, Herbert G., Augusta, assignor to Sherriff-Goslin Co., Battle Creek, Mich. Roofing. 2,532,095, Nov. 28.
Go Sline, Gilbert G.: *See*—
Jacobsen, Le Roy V., and Go Sline.
Gosnell, Earl J.: *See*—
Kantrowitz, Morris S., and Gosnell.
Goss, Harry E., San Francisco, Calif. Automatic primer. 2,496,465, Feb. 7
Goss, James W., Warren, Ohio. Object supporting means. 2,532,162, Nov. 28.
Goss, Norman P., Mayfield Heights, Ohio. Continuous casting apparatus. 2,510,100, June 6.
Goss, Norman P., Mayfield Heights, Ohio. Apparatus for continuous castings. 2,527,545, Oct. 31.
Goss, Paul, assignee: *See*—
Brugmann, Frank.
Goss Printing Press Company, The, assignee: *See*—
Blackley, James L.
Corlett, Robert C.
Crafts, Curtis S.
Crafts, Curtis S., Nolan and Zimmer.
Foster, Frank A.
Ross, William P. V.
Worthington, Emory W.

Goss, Wesley R., and H. C. Roemke, Fort Wayne, Ind., assignors to General Electric Company. Switch for speed regulators. 2,518,138, Aug. 8.

Gosselin, Achille A., Long Beach, Calif. Safety match packet. 2,508,710, May 23.

Gosselin, Wilfrid J.: *See*—
Segee, James E., and Gosselin.

Gosselin, William O., Ashland, Wis. Cradle having a removable crib. 2,534,438, Dec. 19.

Gossett, Charles A., Portland, Oreg. Magnetically actuated direction indicator. 2,535,201, Dec. 26.

Gossling, Clement E., Winnipeg, Manitoba, Canada, assignor to Hudson's Bay Company, London, England. Linear actuator. 2,530,871, Nov. 21.

Gossweiler, Jakob, Dubendorf, near Zurich, Switzerland. Appliance on motor vehicles for operating hydraulic vehicle brakes and for regulating the fuel feed to the engine by means of one single pedal. 2,516,824, July 25.

Gotberg, Harry H., Detroit, assignor to Colonial Broach Company, Warren Township, Macomb County, Mich. Helical broaching fixture. 2,517,104, Aug. 1.

Gotberg, Harry H., Detroit, assignor to Colonial Broach Company, Warren Township, Macon County, Mich. Machine for broaching internal gears. 2,522,712, Sept. 19.

Gotberg, Harry H., Detroit, and G. A. Gran, Berkley, assignors to Colonial Broach Company, Warren Township, Mich. Machine for burnishing and sizing openings. 2,515,508, July 18.

Goth, Andres, Dallas, Tex. Bismuth-aspergillic acid complex and its production. 2,500,921, Mar. 21.

Gotham Hosiery Company, Inc., assignee: *See*—
Gilbert, Henry.

Gothard, Thomas J., Los Angeles, assignor to R. Wunn, Long Beach, Calif. Fog nozzle. 2,503,722, Apr. 11.

Gothard, Thomas J., Los Angeles, assignor to R. Wunn, Long Beach, Calif. Fog nozzle. 2,503,723, Apr. 11.

Gothberg, Lawrence, assignor to American Steel Foundries, Chicago, Ill. Brake head balancing device. 2,516,696, July 25.

Gothberg, Lawrence, Alpha, Iowa, assignor to American Steel Foundries, Chicago, Ill. Brake beam with frictionally mounted head. 2,517,199, Aug. 1.

Gott, Earl A.: *See*—
Barnhart, Blair, and Gott.
Morrison, Orville C. and S. O., Wehrwein, and Gott.

Gott, Edwin H., Gary, Ind., assignor to Carnegie-Illinois Steel Corporation. Cooling box and cover therefor. 2,531,729, Nov. 28.

Gottbreht, George, Dunseith, N. Dak. Driving device. 2,514,857, July 11.

Gottesman, Herman, Ramsey, N. J. Freezing and cooking bag. 2,516,978, Aug. 1.

Gottfried, Alois, Los Angeles, Calif. Resilient seat support. 2,532,713, Dec. 5.

Gottfried, Charles, assignee: *See*—
Massiello, Manfred.

Gottfried, John, and B. Fry, St. Louis, Mo. Coin separator. 2,503,232, Apr. 4.

Gottfried, Louis, assignee: *See*—
Infranca, Jack, and Cucchiara.

Gottfried, Louis, New York, N. Y. Chair and base therefor releasably secured thereto. 2,509,972, May 30.

Gottfried, Louis, New York, N. Y. Convertible high chair. 2,516,774 July 25.

Gottfried, Siegfried, Kenton, England. Tetrahydrofurfuryl ester solutions of halogenated fluoresceins. 2,506,921, May 9.

Gotthardt, Henry R., assignor to Logan Co., Inc., Louisville, Ky. Conveyer. 2,509,297, May 30.

Gottholm, Carl G., Malden, Mass. Bridge guard. 2,531,565, Nov. 28.

Gottlieb, Edward, Brooklyn, N. Y. Folding cot or bed. 2,513,167, June 27.

Gottlieb, Edward, Brooklyn, N. Y. Folding cot or bed with central leg. 2,513,168, June 27.

Gottlieb, Goldene: *See*—
Gottlieb, Louis, S. M., and Goldene.

Gottlieb, Louis, Philadelphia, Pa. Soda water dispenser. 2,517,301, Aug. 1.

Gottlieb, Louis, S. M., and G., Kansas City, Mo. Rectum fitting. 2,534,664, Dec. 19.

Gottlieb, Manious: *See*—
Schwender, Anthony F., Gottlieb, and Meyer.

Gottlieb, Robert: *See*—
Sherman, Albert, and Gottlieb.

Gottlieb, Robert, Monterey, Calif. Denture mold flask and compress. 2,505,669, Apr. 25.

Gottlieb, Sam M.: *See*—
Gottlieb, Louis, S. M., and G.

Gottschalk, Gordon W., Iron Mountain, Mich. Rubber-coated stocking-foot boot. 2,533,453, Dec. 12.

Gottschalk, Lionel J., New Orleans, La. Office filing card. 2,502,785, Apr. 4.

Gottschall, Clarence R., Wilmington, Del., assignor to All American Airways, Inc. Brake resetting and time delay mechanism. 2,498,992, Feb. 28.

Goudet, Georges, and R. Musson-Genon, Paris, France, assignors to International Standard Electric Corporation, New York, N. Y. Velocity modulation tube. 2,498,673, Feb. 28.

Goudime-Levkovitsch, Paul, Chertsey, and S. J. Smith, London, England, assignors to West Road Co. Limited. Liquid contents gauge. 2,529,015, Nov. 7.

Gouge, Arthur, Osborne, East Cowes, Isle of Wight, England, assignor to Saunders Engineering and Shipyard Limited, Fryars, Beaumaris, Anglesey, North Wales. Collapsible pontoon. 2,495,412, Jan. 24.

Gouge, Arthur, assignor to Saunders-Roe Limited, Isle-of-Wight, England. Pickup hook for flying boats. 2,526,348, Oct. 17.

Gough, Chalmer B. and W. W., Ridgeville, Ind. Green pea harvester and separator. 2,504,193, Apr. 18.

Gough, Kathleen A.: *See*—
Coursey, Philip R., Munday, and Gough.

Gough, Woodrow W.: *See*—
Gough, Chalmer B. and W. W.

Goughnour, Walter B., Seattle, Wash. Lock. 2,494,754, Jan. 17.

Gould, Clarence D., Bronx, N. Y., assignor to Talon, Inc. Top stop for slide fasteners. 2,501,169, Mar. 21.

Gould, David F., Riverton, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Polymerization by means of stannic chloride. 2,515,646, July 18.

Gould, David H., New York, N. Y., assignor to Nopco Chemical Company, Harrison, N. J. Production of 7-dehydrosterol esters. 2,503,385, Apr. 11.

Gould, Howard S., J. F. Beck, and D. C. Manning, assignors to The Jam Handy Organization, Inc., Detroit, Mich. Photographic display mechanism. 2,516,979, Aug. 1.

Gould, Jack, assignee: *See*—
Schmer, Jakub.

Gould, Leo J., Bethlehem, Pa., assignor to Bethlehem Steel Company. Flying saw. 2,512,204, June 20.

Gould, Le Roy E., St. Paul, Minn. Receptacle closure. 2,499,745, Mar. 7.

Gould, Robert C., San Marino, assignor, by mesne assignments, to Brogdex Company, Pomona, Calif. Apparatus for melting coating materials and the like. 2,499,493, Mar. 7.

Gould, William A., Hobbs, N. Mex. Automatic paraffin cutter. 2,509,492, May 30.

Gould, William H.: *See*—
Reed, George F., and Gould.

Gould, William L., Albany, N. Y. Hemoglobinometer. 2,523,758, Sept. 26.

Goulding, Francis A., assignor to Hivac Limited, Harrow-on-the-Hill, England. Cathode for thermionic tubes. 2,496,530, Feb. 7.

Goulding, Joseph M., Fairhaven, Mass., assignor to Revere Copper and Brass Incorporated, New York, N. Y. Print roll. 2,501,629. Mar. 21.

Goulding, Joseph M., Fairhaven, Mass., assignor to Revere Copper and Brass Incorporated, New York, N. Y. Making print rolls. 2,501,630, Mar. 21.

Goumas, James, Perth Amboy, N. J. Television antenna. 2,534,592, Dec. 19.

Gourdon, Robert, assignor to Etablissements Edgar Brandt, Paris, France. Antiaircraft projectile and fuse for said projectile. 2,505,042, Apr. 25.

Gourdon, Robert, assignor to Centre d'Etudes M. B. A. (Mecanique, Balistique, Armement), Paris, France. Value indexing mechanism. 2,522,671, Sept. 19.

Gourlay, Gordon K. L.: *See*—
Lombard, Adrian A., and Gourlay.

Govro-Nelson Company, assignee: *See*—
Treglown, George, and Broders.

Gow, Francis C.: *See*—
Stolze, William J., and Gow.

Gow, William G., Belleville, N. J. Gas cell. 2,512,857, June 27.

Gower, Thomas C., Greenville, S. C. Automatic elevator. 2,501,170, Mar. 21.

Gower, Thomas C., Greenville, S. C. Automatic elevator. 2,501,171, Mar. 21.

Gowing, Daniel M., Swarthmore, D. R. Langdon, Philadelphia, and R. L. Selby, Lansdowne, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Abrasion resistant finishes containing polyethylene. 2,518,462, Aug. 15.

Gowing, Nelson E., Wombourne, Wolverhampton, England. Method of and apparatus for the formation of concrete pipes. 2,533,579, Dec. 12.

Graber, Martin: *See*—
Schroeder, John A., and Graber.

Grable, Donovan B., Long Beach, Calif. Well fluid control. 2,522,444. Sept. 12.

Grable, Donovan B., Long Beach, and J. M. Jackson, Santa Monica, Calif. Well plugging and whipstocking. 2,509,144, May 23.

Grabowska, Melvin F., Leola, S. Dak. Tiepin. 2,514,237, July 4.

Grabowski, Joseph: *See*—
Lindenfelser, Richard, and Grabowski.
Schroy, Paul C., Grabowski, and Scott.

Grace, Bruce R., Ellerslie, Auckland, New Zealand. Measuring delivery means for containers. 2,526,349, Oct. 17.

Grace, Milton C., New Orleans, La. Educational device. 2,535,849, Dec. 26.

Grace, Nelson E.: *See*—
Doak, Edmond R., and Grace.

Grace, W. R., & Co., assignee: *See*—
Lipscomb, Gaston J.

Grace, William H., Stamford, Conn. Mechanical check list. 2,535,408, Dec. 26.

Grace, William J., Silver Spring, Md., assignor to the United States of America as represented by the Secretary of the Navy. Transmission. 2,498,036, Feb. 21.
Gracey, Dale, Osceola, and E. Cain, Leon, Iowa. Cutter attachment for tractors. 2,529,934, Nov. 14.
Gracey, William R., Jr., assignor to The Union Switch & Signal Company, Swissvale, Pa. Torpedo signal for railways. 2,507,004, May 9.
Graden, Ralph C., assignee: *See*—
Graden, Russell A.
Graden, Russell A., Millville, assignor of two-thirds to R. C. Graden, Harrisburg, Pa. Thermostatically controlled electric circuit closer. 2,500,174, Mar. 14.
Graden, Russell A., Millville, assignor of two-thirds to R. C. Graden, Harrisburg, Pa. Thermostatic control switch. 2,511,256, June 13.
Gradisar, Albin A.: *See*—
Lowber, David D., Gradisar, and Critoph.
Gradisar, Albin A., Buffalo, N. Y., assignor to American Optical Company, Southbridge, Mass. Diagnostic lamp. 2,535,916, Dec. 26.
Gradischnig, Frank, Jr., Milwaukee, Wis. Switch socket. 2,503,040, Apr. 4.
Grady, Everett J., New York, N. Y. Double-faced mask. 2,513,019, June 27.
Graenacher, Charles: *See*—
Albrecht, Otto, Sallmann, and Graenacher.
Sallmann, Richard, and Graenacher.
Usteri, Eduard, and Graenacher.
Graenacher, Charles, Riehen, and E. Usteri and M. Geiger, assignors to Ciba Limited, Basel, Switzerland. Dichlorovinyl ethers. 2,501,896, Mar. 28.
Graepel, William, Brooklyn, assignor to Royal Typewriter Company, Inc., New York, N. Y. Variable spacing mechanism for typewriting or like machines. 2,527,213, Oct. 24.
Graether, Arthur S., Detroit, Mich. Screw-actuated vise jaw quickly adjustable along rack guideway. 2,511,843, June 20.
Graff, Alan R., Chicago, Ill. Extracting biochemically active substances from grain and the like, and product prepared thereby. 2,499,914, Mar. 7
Graff, Frederick W., assignor to Garton Toy Company, Sheboygan, Wis. Cycle chain adjuster. 2,519,901, Aug. 22.
Graffunder, George, assignee: *See*—
Glieden, Peter M.
Grafiex, Inc., assignee: *See*—
Brundage, Clinton F.
Gorey, Archie H.
Hineline, Edson S.
Nadel, Louis D.
Panosian, James S.
Sprague, Joseph A.
Grafstein, Paul L., Brooklyn, and A. G. Cooley, assignors to Times Facsimile Corporation, New York, N. Y. Facsimile recorder drum. 2,513,409, July 4.
Gragg, Henry, and D. F. Bell, assignors of one-third to L. S. Mason, Prescott, Ariz. Tie clasp. 2,514,048, July 4.
Graham, Benjamin O., St. Louis, Mo. Guide bracket for flush tank valve stems. 2,518,679, Aug. 15.
Graham, Boynton, Claymont, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Making artificial wool from nylon fibers. 2,516,562, July 25.
Graham, Burton B., Baker, Oreg. Double-action guide for molding machines. 2,525,894, Oct. 17.
Graham, Clarence H., Champaign, assignor to Swift & Company, Chicago, Ill. Soya bean storage bin equipment. 2,497,406, Feb. 14.
Graham, Clarence T., North Attleboro, assignor to Defiance Manufacturing Company, Barrowsville, Mass. Cloth handling apparatus. 2,503,817, Apr. 11.
Graham, Clifford P., Los Angeles, Calif. Plug valve. 2,524,104, Oct. 3.
Graham, Clyde C., assignee: *See*—
Whitlock, Charles H.
Graham, David L., Philadelphia, and J. Richards, Croydon, Pa. Jig. 2,528,511, Nov. 7.
Graham, Erwin W., and C. M. Yeomans, Cleveland, Ohio. Winding electrical resistance wire strain gauges. 2,498,674, Feb. 28.
Graham, Frank A., Seattle, Wash. Wall type electric air heater and circulator. 2,528,650, Nov. 7.
Graham, Frank O., assignor to Temprite Products Corporation, Detroit, Mich. Liquid cooling apparatus. 2,496,466, Feb. 7.
Graham, George C., Ridgewood, N. J. Pump. 2,503,257, Apr. 11.
Graham, George K., Oceanside, N. Y., assignor to Radio Corporation of America. Signal expansion or compression. 2,495,809, Jan. 31.
Graham, George M., assignor to Kent Moore Organization, Inc., Detroit, Mich. Valance light. 2,514,049, July 4.
Graham, Gordon B., Kenmore, N. Y., assignor to The Linde Air Products Company. Glossing corundum crystals. 2,510,219, June 6.
Graham, Harold J., assignor, by mesne assignments, to Mec-Elec Engineering Co., Boston, Mass. Electrical coupling. 2,501,674, Mar. 28.
Graham, Harold J., Boston, Mass., assignor, by mesne assignments, to Graham Manufacturing Corporation, Detroit, Mich. Electric percussion welding system. 2,510,101, June 6.
Graham, Harold J., Boston, Mass., assignor, by mesne assignments, to Graham Manufacturing Corporation, Detroit, Mich. Power supply for welding apparatus. 2,520,926, Sept. 5.
Graham, Harold J., assignor to Graham Manufacturing Corporation, Detroit, Mich. Electrically welding studs. 2,518,463, Aug. 15.
Graham, Harold M., Kenmore, N. Y. Heat exchanger. 2,523,990, Sept. 26.
Graham, Hugh S., Cambridge, Mass., assignor to Standard Oil Development Company. Apparatus for smelting of metals. 2,517,557, Aug. 8.
Graham, James, Dearborn, Mich. Smoker's article. 2,506,666, May 9.
Graham, James B., South Hills, Pa., assignor to National Tube Company. Pipe coupling. 2,508,914, May 23.
Graham, John H., Spokane, Wash. Sleigh runner attachment. 2,530,240, Nov. 14.
Graham, John M.: *See*—
Campbell, Donald L., and Graham.
Graham, Leland C., Salem, Oreg. Vending machine. 2,522,033, Sept. 12.
Graham, Louis A., assignor to Graham Transmissions, Inc., Milwaukee, Wis. Variable-speed transmission. 2,535,409, Dec. 26.
Graham Manufacturing Corporation, assignee: *See*—
Graham, Harold J.
Graham, Mary K., Crawfordsville, Ind. Game board and arcuate playing pieces. 2,520,207, Aug. 29.
Graham, Matthew P., Detroit, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio. Abutment construction for tubes. 2,516,767, July 25.
Graham, Matthew P., Detroit, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio. Joint assembly. 2,533,928, Dec. 12.
Graham, Maurice H., St. Louis Park, Minn. Pressure cooker. 2,516,202, July 25.
Graham, Maurice H., and J. N. Polivka, Minneapolis, Minn., assignors to General Mills, Inc. Side rest iron. 2,499,915, Mar. 7.
Graham, Maxwell A., assignor to The Thomas & Betts Co., Elizabeth, N. J. Disconnector blade terminal. 2,522,672, Sept. 19.
Graham, Maxwell A., assignor to The Thomas & Betts Co., Elizabeth, N. J. Electrical terminal clasp connector. 2,523,465, Sept. 26.
Graham, Merle J.: *See*—
Miller, Fred J., and Graham.
Graham-Mintel Instrument Company, assignee: *See*—
Bozoian, Michael.
Graham, Robert E., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Storage tube. 2,527,632, Oct. 31.
Graham, Robert P., Albany, and A. D. Shepherd, El Cerrito, Calif., assignors to United States of America as represented by the Secretary of Agriculture. Neutralization of pectinic acids with sodium bicarbonate. 2,503,258, Apr. 11.
Graham, Robert S., Bernardsville, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Variable equalizer. 2,510,283, June 6.
Graham, Roy G., assignor to James R. Kearney Corporation, St. Louis, Mo. Electrical cutout. 2,522,573, Sept. 19.
Graham, Searcy J., Denver, Colo. Pocket handkerchief holding frame. 2,528,878, Nov. 7.
Graham, Thomas K., Great Falls, Mont., assignor to Anaconda Copper Mining Company, New York, N. Y. Apparatus for applying mold wash. 2,529,291, Nov. 7.
Graham Transmissions, Inc., assignee: *See*—
Graham, Louis A.
Graham, William T., Amarillo, Tex. Vibrating plow and mounting therefor. 2,493,811, Jan. 10.
Graham, William T., Amarillo, Tex. Clamp. 2,507,783, May 16.
Grahame, James H., Mount Vernon, assignor to Texaco Development Corporation, New York, N. Y. Synthesis of hydrocarbons. 2,503,724, Apr. 11.
Grahn, Harry E., Bronx, N. Y. Attachment for saw blades. 2,500,248, Mar. 14.
Grainger, George F. W., assignor to T. & T. Vicars Limited, Earlestown, Newton-Le-Willows, England. Machinery for treatment of plastic substances. 2,526,944, Oct. 24.
Grainger, Loren O., South Gate, Calif. Timed electrical system. 2,494,121, Jan. 10.
Gramelspacher, Clarence U., Jasper, Ind. Inflation device for safety tubes. 2,501,937, Mar. 28.
Gramkee, Bruce E.: *See*—
Fordyce, Charles R., and Gramkee.
Gran, Gus A.: *See*—
Gotberg, Harry H., and Gran.
Granå, Ernest W., Hammarbyhojden, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Arrangement in manufacturing of coated welding electrodes. 2,522,364, Sept. 12.
Granat, Leo, San Francisco, Calif. Interlocking ring ensemble. 2,493,285, Jan. 3.
Granath, John O. W., Chicago, Ill. Hoisting apparatus for elevator platforms. 2,500,539, Mar. 14.

Granberg, Albert J., Oakland, Calif. Self-priming pump. 2,496,870, Feb. 7.

Granberg, Bengt R., and B. T. Anderson, assignors to Sundstrand Machine Tool Co., Rockford, Ill. Automatic positive stop and dwell arrangement for machine tools. 2,519,042, Aug. 15.

Granche, Stephen R., Pittsburgh, Pa. Safety device for railway switches. 2,510,815, June 6.

Grand Industries, Inc., assignee: *See*—
Evans, Vincent J.

Grand Duchess Steaks, Inc., assignee: *See*—
Condon, Howard M.

Grande, Frank, Farrell, Pa. Screw driver with screw holder. 2,524,167, Oct. 3.

Grandjean, Lou B., San Francisco, Calif. Shielded applicator. 2,534,439, Dec. 19.

Grandjean, Pierre: *See*—
Lalanne, Edmond, and Grandjean.

Grandmont, Paul E., East Orange, N. J., assignor to Curtiss-Wright Corporation. Training apparatus for simulating radio range signals. 2,514,602, July 11.

Grand Rapids Fibre Cord Company, assignee: *See*—
Boersma, Barney.

Grand Rapids Store Equipment Company, assignee: *See*—
Vanderveld, Anthony.

Grandstaff, Otho D.: *See*—
Wicks, John, and Grandstaff.

Graner, Frank L., assignor to The Dorr Company, New York, N. Y. Sedimentation apparatus. 2,528,051, Oct. 31.

Grange, George A., Libertyville, Ill., assignor to The American Steel and Wire Company of New Jersey. Wire bundling stand. 2,504,947, Apr. 18.

Granger, Albert N., Medford, Oreg. Rowing device. 2,528,304, Oct. 31.

Granger, Gordon C.: *See*—
Dike, George A., T., and Granger.

Granov, Walter, Brooklyn, N. Y. Knitting machine. 2,521,786, Sept. 12.

Granqvist, Carl-Erik, assignor to Svenska Aktiebolaget Gasaccumulator, Lidingo, Sweden. Device for caging the gimbal mounting in gyroscopes. 2,519,454, Aug. 22.

Granqvist, Carl-Erik, assignor to Svenska Aktiebolaget Gasaccumulator, Lidingo, Sweden. Forward and reverse friction gear transmission. 2,524,905, Oct. 10.

Granqvist, Carl-Erik, assignor to Svenska Aktiebolaget Gasaccumulator, Lindingo, Sweden. Radio direction finder. 2,534,711, Dec. 19.

Grant, Angus J., Findlay, Ohio. Baby carriage. 2,523,567, Sept. 26.

Grant, Dwight W., Bloomfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Alternating current control device. 2,519,426, Aug. 22.

Grant, Eduard T., Scotia, N. Y., assignor to General Electric Company. Magnetic structure. 2,500,748, Mar. 14.

Grant, Eduard T., Scotia, N. Y., assignor to General Electric Company. Electric circuit controller. 2,501,507, Mar. 21.

Grant, Eugene F., Fredericktown, Ohio. Teat cup liner turner. 2,506,079, May 2.

Grant, Eugene F., Hempstead, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Compensated power supply amplifier. 2,504,829, Apr. 18.

Grant, Gordon A., Montreal, Quebec, and C. von Seemann, Westmount, Quebec, assignors to Ayerst, McKenna & Harrison, Limited, Montreal, Quebec, Canada. Lactones from etiobilienic acid. 2,508,786, May 23.

Grant, Gordon A., Montreal, W. L. Glen, Baie d'Urfe, and R. J. Barber, assignors to Ayerst, McKenna & Harrison, Limited, Ville St. Laurent, Quebec, Canada. Amine addition salts of steroid-3-monosulfates. 2,534,121, Dec. 12.

Grant, Harold R.: *See*—
Westcott, Brayton W., Colvin, and Grant.

Grant, Harry C., Jr., Ridgewood, and W. M. Haessler, Verona, assignors to Specialties Development Corporation, Belleville, N. J. Fluid dispensing system. 2,502,452, Apr. 4.

Grant, Harry C., Jr., Ridgewood, assignor to Specialties Development Corporation, Belleville, N. J. Valve. 2,524,052, Oct. 3.

Grant, Homer B., St. Petersburg, Fla. Dolly type trailer hitch. 2,506,718, May 9.

Grant, Horace C., assignor to Egan Cotton Mills, Inc., Atlanta, Ga. Stop mechanism for knitting machines. 2,506,078, May 2.

Grant, James E., Duluth, Minn., assignor to Joseph E. Seagram & Sons, Inc., Shively, Ky. Container feed means. 2,524,700, Oct. 3.

Grant, John A., Granville, Ohio, assignor to Owens-Corning Fiberglas Corporation. Bitumen-glass fiber composite manufactures. 2,523,759, Sept. 26.

Grant, John P., Rochester, N. Y., assignor to Stromberg-Carlson Company. Tuning indicator for frequency modulation receivers. 2,514,327, July 4.

Grant, Max L., assignee: *See*—
Wilcox, Granville M.
Wilcox, Granville M., and Johnson.

Grant, Reginald L., London, England, assignor to Burroughs Wellcome & Co. (U. S. A.) Inc., New York, N. Y. Extraction of insulin. 2,529,152, Nov. 7.

Grant, Robert H., Everett, Mass. Gripping device to remove bushings and the like. 2,496,005, Jan. 31.

Grant, Robert Y., Jr., Townsend, Mass. Animated whistle. 2,503,818, Apr. 11.

Grant, Roy A.: *See*—
Stark, Harold W., and Grant.

Grant, Walter A., Onondaga Township, Onondaga County, assignor to Carrier Corporation, Syracuse, N. Y. Single stage refrigeration utilizing holdover means. 2,515,825, July 18.

Grant, William H.: *See*—
Macklin, Justin W., and Grant.

Grant, William H., Cleveland, Ohio. Apparatus for making metallic bellows. 2,495,059, Jan. 17.

Grant, Winifred C., Shelby, Mich. Finger supported hair lock separating device. 2,526,128, Oct. 17.

Graphic Calculator Company, assignee: *See*—
Dewar, Norman F.

Grapp, Albert E., assignee and executor: *See*—
Grapp, Herbert L.

Grapp, Herbert L., deceased, Minneapolis, Minn.; A. E. Grapp and Northwestern National Bank of Minneapolis, executors of said H. L. Grapp, assignors of one-half to A. E. Grapp and Northwestern National Bank of Minneapolis, trustees. Method and apparatus for heating articles. 2,517,869, Aug. 8.

Gras, Adrien L., Paris, France. Optical rectifier for motion-picture projectors. 2,523,694, Sept. 26.

Grasberger, Benedict J., Bumpass, Va. Spoonmaking machine. 2,509,915, May 30.

Grasberger, Francis N., Lynchburg, Va. Machine for making wooden heels. 2,524,440, Oct. 3.

Grashow, Joseph, Brooklyn, N. Y. Automobile antenna. 2,509,563, May 30.

Grass, Albert M., Quincy, Mass., assignor, by mesne assignments, to the United States of American as represented by the Secretary of War. Phase and amplitude responsive control system. 2,527,718, Oct. 31.

Grass, Hugo, assignor to W. R. and H. A. Hermsdorf, doing business as the Hermsdorf Fixture Mfg. Company, Manchester, N. H. Rod support. 2,528,358, Oct. 31.

Grasser, Emil, Brooklyn, N. Y. Lens grinding machine. 2,528,137, Oct. 31.

Grate, Earl L., Salem, Ohio. Mowing attachment for tractors. 2,500,818, Mar. 14.

Gratias, Earl W., Nora Springs, Iowa. Mixer. 2,515,555, July 18.

Gratiot, Harvey H., Portland, Oreg. Ornamental display device. 2,531,937, Nov. 28.

Graton & Knight Company, assignee: *See*—
Lesesne, Sherman D.

Gratsinger, Paul, Binghamton, N. Y. Motor heater. 2,505,286, Apr. 25.

Gratzmuller, Anne-Marie: *See*—
Touraton, Emile, Zwobada, and Gratzmuller.

Gratzmuller, Jean L., Paris, France. Electric pump. 2,505,395, Apr. 25.

Gratzmuller, Jean L., Paris, France. Sealing packing. 2,512,098, June 20.

Gratzmuller, Jean L., Paris, France. Packing ring. 2,519,563, Aug. 22.

Grau, Harry R., United States Army. Intravenous injection equipment. 2,505,765, May 2.

Grau, Henry W., Louisa, Va. Confection dispensing and container covering apparatus. 2,520,242, Aug. 29.

Graumann, Raymond L., Alexandria, Va. Detonating fuse. 2,494,549, Jan. 17.

Graumann, Raymond L., Alexandria, Va., and W. J. Donahue, Jr., Washington, D. C. Fuse. 2,495,717, Jan. 31.

Graumlich, George D., Miami, Fla. Roll toilet paper holder. 2,523,951, Sept. 26.

Grausam, Harold W., Fords, N. J., assignor to The American Metal Company Ltd., New York, N. Y. Apparatus for casting metal. 2,521,362, Sept. 5.

Grausgruber, John, Sherman, British Columbia, Canada. Fish filleting machine. 2,518,772, Aug. 15.

Graveel, Rene J., administrator: *See*—
Graveel, Roy V.

Graveel, Roy V., deceased, Mishawaka, Ind.; R. J. Graveel, administrator, assignor to J. M. Sixsmith. Device for producing sound effects. 2,512,015, June 20.

Gravelle, Clarence P., Philadelphia, Pa. Automatic filling nozzle. 2,528,747, Nov. 7.

Gravelle, Frank F., and T. Thape, Rochester, N. Y. Hinge. 2,495,962, Jan. 31.

Gravely, B. F., and Sons Manufacturing Company, assignee: *See*—
Gravely, Benjamin F.

Gravely, Benjamin F., assignor to B. F. Gravely and Sons Manufacturing Company, Nitro, W. Va. Power-operated sickle mower. 2,515,343, July 18.

Gravely Motor Plow and Cultivator Company, assignee: *See*—
Rose, Eustace L.

Graver, Edwin H., Cleveland Heights, assignor to Schofield Manufacturing Company, Cleveland, Ohio. Bolt anchor. 2,504,325, Apr. 18.

Graver Tank & Mfg. Co., assignee: *See*—
Bieker, Lawrence W., and Prager.
Prager, Frank D., and Ulm.
Ulm, Reign C.

Graves, Alfred L., assignor to C. & J. Clark, Limited, Somerset, England. Footwear and heel therefor. 2,501,508, Mar. 21.

Graves, Clare E., Sioux Falls, S. Dak. Dry shaver. 2,508,570, May 23.
Graves, Edward B., assignor to Picker X-Ray Corporation Waite Manufacturing Division, Inc., Cleveland, Ohio. Filament current stabilizer. 2,518,539, Aug. 15.
Graves, Elizabeth R., Santa Fe, N. Mex., assignor to the United States of America as represented by the United States Atomic Energy Commission. Method and apparatus for detecting ionizing particles. 2,506,419, May 2.
Graves, Forrest G., Glendale, Calif. Compost tank. 2,527,214, Oct. 24.
Graves, Frederick, St. Louis, Mo. Electric water heater. 2,507,902, May 16.
Graves, Herbert C., Jr., West Chester, assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa. Escapement type time delay for circuit breaker trip mechanisms. 2,503,154, Apr. 4.
Graves, Maitland, New York, N. Y. World time indicator. 2,525,895, Oct. 17.
Graves, Mark, Cleveland, Ohio. Clutch for punch presses and the like. 2,494,702, Jan. 17.
Graves, Mark, Cleveland Heights, assignor to The Cleveland Tapping Machine Company, Cleveland, Ohio. Tapping machine. 2,500,540, Mar. 14.
Graves, Rebecca, Spokane, Wash. Convertible bath tub appliance. 2,528,825, Nov. 7.
Graves, Richard, Minneapolis, Minn. Timing light. 2,517,302, Aug. 1.
Graves, Theodore E., West Orange, assignor to The Wilcolator Company, Elizabeth, N. J. Thermostatic switch for clothes driers. 2,524,438, Oct. 3.
Graves, William L. O., Ballston Spa, N. Y., assignor to General Electric Company. Magnetic amplifier for inductive loads. 2,516,563, July 25.
Graves, William L. O., Schenectady, N. Y., assignor to General Electric Company. Regulating system. 2,525,451, Oct. 10.
Gravina, Michel, Paris, France. Centrifugal clutch. 2,497,544, Feb. 14.
Gravley, Charles K., Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Piezoelectric device. 2,497,665, Feb. 14.
Gravley, Charles K., Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Electrode for piezoelectric crystals. 2,497,666, Feb. 14.
Gravley, Charles K., Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Moistureproofing a piezoelectric crystal element. 2,518,883, Aug. 15.
Gravley, Charles K., Lakewood, assignor to The Brush Development Company, Cleveland, Ohio. Electromechanical transducer. 2,515,446, July 18.
Gray, Allen G., Cleveland, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Electrophoretic deposition of ethylene polymers. 2,530,366, Nov. 21.
Gray, Alvin N., Joppa, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Protective seal for vulcanizing apparatus. 2,534,865, Dec. 19.
Gray, Anna M. M., Portland, Oreg. Bedside steps. 2,524,971, Oct. 10.
Gray, Charles: *See*—
Fletcher, Dean, Stinson, and Gray.
Gray, Charles B., Springfield, Pa. Sheet metal cutting tool. 2,535,631, Dec. 26.
Gray, Chesleigh, Indianapolis, Ind., assignor to Blaw-Knox Company, Pittsburgh, Pa. Switch-operating means for bin alarms. 2,520,500, Aug. 29.
Gray Company, Inc., assignee: *See*—
Gray, Russell J.
Gray, David E.: *See*—
Dockerty, Stuart M., Gray, Romig, and Wisner.
Gray, Donald E., Teaneck, assignor to Cornell-Dubilier Electric Corporation, South Plainfield, N. J. Small mica assembly. 2,522,713, Sept. 19.
Gray, Edward, assignee: *See*—
Kamler, Benedict R.
Gray, Everett J., San Dimas, assignor, by mesne assignments, to J. B. Hitchings, Long Beach, Calif. Fluid control and by-pass tool. 2,493,962, Jan. 10.
Gray, Floyd E., assignor to Gray Laboratory & Manufacturing Company, Dayton, Ohio. Electrical switch. 2,512,830, June 27.
Gray, Frank O., Chicago, Ill. Reversible hydraulic torque converter. 2,501,771, Mar. 28.
Gray, G. A., Company, The, assignee: *See*—
Walter, John M.
Gray, George F.: *See*—
Pratt, Verneur E., and Gray.
Gray, Griffin W., and C. B. Wade, Roanoke, Va. Rail switch point lifting means. 2,533,929, Dec. 12.
Gray, Harold F., Jr.: *See*—
Adelson, David E., and Gray, Jr.
Gray, Harold M., Masontown, Pa. Spring shackle of C type construction. 2,496,713, Feb. 7.
Gray, Harold S., assignor to W. & L. E. Gurley, Troy, N. Y. Dust protected screw. 2,509,818, May 30.
Gray, Harry C., Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Method of and apparatus for continuously forming shapes of resin impregnated fabric. 2,526,945, Oct. 24.
Gray, Harry Z., Lebanon, Ohio. Carton carrier. 2,514,858, July 11.
Gray, Harry Z., Lebanon, Ohio. Bottle carrier. 2,527,478, Oct. 24.
Gray, Hugh W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polyamide treated with a hypophosphorous acid compound. 2,510,777, June 6.
Gray, Hugh W., and G. H. Latham, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Hypophosphorous acid compounds as stabilizers for hydroxyl group containing polymers. 2,516,980, Aug. 1.
Gray, John E. and R. A., Jr., and W. M. Parker, assignors to Mueller Brass Co., Port Huron, Mich. Pressure control valve. 2,497,664, Feb. 14.
Gray, John W.: *See*—
Dalziel, William, and Gray.
Gray, John W., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Electrical indicator plotting board for loran navigation. 2,530,428, Nov. 21.
Gray, John W., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Apparatus for measuring air speed. 2,534,712, Dec. 19.
Gray, John W., White Plains, N. Y., assignor to General Precision Laboratory Incorporated. Modulator. 2,493,669, Jan. 3.
Gray, John W., White Plains, N. Y., assignor to the United States of America as represented by the Secretary of the Navy. Cathode-gated amplifying phase detector. 2,512,495, June 20.
Gray, John W., White Plains, N. Y., assignor to General Precision Laboratory Incorporated. Shaded pole motor with thyratron control. 2,529,469, Nov. 7.
Gray, Joseph B.: *See*—
Cooper, Hugh S., Martin, Reiches, and Gray.
Gray, Kenneth R., assignor to Rayonier Incorporated, Shelton, Wash. Producing viscose having an opacifying agent. 2,516,113, July 25.
Gray, Kenneth R., assignor to Rayonier Incorporated, Shelton, Wash. Wood pulp. 2,518,680, Aug. 15.
Gray Laboratory & Manufacturing Company, assignee: *See*—
Gray, Floyd E.
Gray, Lysle B., Reading, Ohio. Measuring and dispensing device. 2,523,426, Sept. 26.
Gray, Olive A., Santa Monica, Calif. Automobile sun protector. 2,508,757, May 23.
Gray, Orrin D., Chicago, Ill. Locked nut unlocking socket wrench. 2,528,430, Oct. 31.
Gray, Robert A., Jr.: *See*—
Gray, John E. and R. A., Jr., and Parker.
Gray, Robert B., assignor to Erie Resistor Corporation, Erie, Pa. Making electrical condensers. 2,525,668, Oct. 10.
Gray, Robert M., Florence, Ala. Block handling apparatus. 2,510,573, June 6.
Gray, Robin, and H. C. Jones, Manchester, assignors to The Chloride Electrical Storage Company Limited, Clifton Junction, near Manchester, England. Terminal arrangement for compound-sealed posts. 2,509,298, May 30.
Gray, Russell J., Excelsior, assignor, by mesne assignments, to Gray Company, Inc., Minneapolis, Minn. Lubricant-dispensing apparatus. 2,499,061, Feb. 28.
Gray, Russell J., Excelsior, assignor, by mesne assignments, to Gray Company, Inc., Minneapolis, Minn. Lubricant-dispensing apparatus. 2,510,972, June 13.
Gray, Theodore H.: *See*—
Brace, Porter H., and Gray.
Offinger, Martin W., and Gray.
Gray, Thomas C., Easton, Pa. Nonrigid pipe coupling. 2,511,158, June 13.
Gray, Thomas E., Atlanta, Ga. Garment hanger. 2,496,531, Feb. 7.
Gray Tool Company, assignee: *See*—
Davidson, Edward E., and Doggett.
Gray, Vernon H., Cleveland, Ohio. Curve scribing instrument. 2,513,641, July 4.
Gray, Wayne A., and N. J. Parris, Fort Worth, Tex. Making ogee gutter. 2,505,241, Apr. 25.
Gray, Wharton K.: *See*—
Alston, Paul W., Moroney, and Gray.
Gray, Willard F. M., Pittsfield, Mass., assignor to General Electric Company. Stationary induction apparatus. 2,521,513, Sept. 5.
Gray, William T., Altrincham, England, assignor, by mesne assignments, to General Electric Company. Electric switch. 2,514,947, July 11.
Graybill, Hershey R., Manheim, assignor to Animal Trap Company of America, Lititz, Pa. Chemical gun trap. 2,515,447, July 18.
Graybill, Kenneth W., Elmhurst, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Bar relay. 2,515,769, July 18.
Graybill, Kenneth W., Elmhurst, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Electromagnetic relay and armature therefor. 2,522,714, Sept. 19.
Graybill, Kenneth W., Elmhurst, and H. Sengebusch, Villa Park, assignors to Automatic Electric Laboratories, Inc., Chicago, Ill. Rotary switch. 2,522,715, Sept. 19.

Graybill, Kenneth W., Elmhurst, and H. Sengebusch, Villa Park, assignors to Automatic Electric Laboratories, Inc., Chicago, Ill. Electrical contact for switching devices. 2,525,408, Oct. 10.

Graydon, John A., Hawthorne, N. J. Stringed musical instrument and bow. 2,493,812, Jan. 10.

Grayson, Albert: *See*—
Price, David R., and Grayson.

Grayson, John H., Monrovia, assignor, by mesne assignments, to Reconstruction Finance Corporation, Los Angeles, Calif. Thermostatic gas cock. 2,524,788, Oct. 10.

Greany, John H., assignor to Langolis Gauge Company, Inc., Detroit, Mich. Opposed-contacts distance gauge. 2,524,256, Oct. 3.

Great American Universal Aircraft Loading Service, assignee: *See*—
Noville, George O.

Great Lakes Carbon Corporation, assignee: *See*—
Bailey, Bruce L
Gamson, Bernard W.
Johnson, Wilbur E., and Bollaert.
Kenney, John W., Jr., and Rapier.
Shea, Frederick L., Jr., and Juel.
Stecker, Glenroy.
Swallen, Lloyd C.
Swallen, Lloyd C., and Nelson.

Great Western Sugar Company, The, assignee: *See*—
Bennett, Arthur N.

Greaves, Charles D.: *See*—
Bennett, John G., Greaves, and Phillpotts, and Pirani, Kramers, and Foster.

Greaves, Charles D., and W. D. C. Walker, assignors to C. D. Patents Limited, London, England. Joining of carbon bodies to other bodies. 2,512,230, June 20.

Greaves, Raymond, Scarborough, England. Suspension means between a supporting wheel and the chassis-frame of a vehicle. 2,527,411, Oct. 24.

Grebb, Robert F., Boise, Idaho. Automatic transmission. 2,523,619, Sept. 26.

Grebe, John J., Midland, Mich. Washing machine having means for heating incoming water. 2,514,050, July 4.

Grebe, John J., Midland, Mich. Energy device. 2,516,381, July 25.

Grebowiec, Michael J., Kansas City, Kans., assignor to Remington Arms Company, Inc., Bridgeport, Conn. Web belt loader. 2,499,139, Feb. 28.

Greco, Pasquale, New York, N. Y. Apparatus for cleaning equipment with a chemical agent. 2,532,299, Dec. 5.

Grede Foundries, Inc., assignee: *See*—
Kreulen, Herman P.

Gredell, Marcellus W., Detroit, Mich. Shock absorbent coupling. 2,514,051, July 4.

Greeff, Max, Upper Montclair, assignor to Baker & Co., Inc., Newark, N. J. Thermoelectric generator. 2,502,399, Mar. 28.

Greegor, Ralph H., assignor to The Kinnear Manufacturing Co., Columbus, Ohio. Rolling door. 2,495,963, Jan. 31.

Greeley, Leo O., Wexford, assignor to General Sales Company of Cadillac, Cadillac, Mich. Lift tow hitch. 2,534,665, Dec. 19.

Greeley, Philip H., Washington, D. C. Radio receiving circuit. 2,511,107, June 13.

Green, A. Donald: *See*—
Howard, Frank A., and Green.

Green, Abraham, New York, N. Y. Sterility slide rule. 2,520,208, Aug. 29.

Green, Albert J.: *See*—
Goodbar, Mayo A., and Green.

Green, Alexander G., Falkirk, Scotland. Folding shampoo cabinet. 2,507,630, May 16.

Green, Alfred J., Waterbury, Conn., assignor to United States Rubber Company, New York, N. Y. Silica sol catalyst in the emulsion polymerization of butadiene-1,3 hydrocarbons. 2,497,447, Feb. 14.

Green, Barrett K., assignor to The National Cash Register Company, Dayton, Ohio. Pressure sensitive record material. 2,505,470, Apr. 25.

Green, Barrett K., assignor to The National Cash Register Company, Dayton, Ohio. Making pressure sensitive record material. 2,505,471, Apr. 25.

Green, Barrett K., assignor to The National Cash Register Company, Dayton, Ohio. Pressure sensitive record material. 2,505,472, Apr. 25.

Green, Barrett K., assignor to The National Cash Register Company, Dayton, Ohio. Pressure sensitive record material. 2,505,473, Apr. 25.

Green, Barrett K., assignor to The National Cash Register Company, Dayton, Ohio. Pressure sensitive record material. 2,505,474, Apr. 25.

Green, Barrett K., assignor to The National Cash Register Company, Dayton, Ohio. Pressure sensitive record material. 2,505,475, Apr. 25.

Green, Barrett K., assignor to The National Cash Register Company, Dayton, Ohio. Pressure sensitive record material. 2,505,476, Apr. 25.

Green, Barrett K., assignor to The National Cash Register Company, Dayton, Ohio. Pressure sensitive record material. 2,505,477, Apr. 25.

Green, Barrett K., assignor to The National Cash Register Company, Dayton, Ohio. Pressure sensitive record material. 2,505,478, Apr. 25.

Green, Barrett K., assignor to The National Cash Register Company, Dayton, Ohio. Pressure sensitive record material. 2,505,479, Apr. 25.

Green, Barrett K., assignor to The National Cash Register Company, Dayton, Ohio. Pressure sensitive record material. 2,505,480, Apr. 25.

Green, Barrett K., assignor to The National Cash Register Company, Dayton, Ohio. Making pressure sensitive record material. 2,505,481, Apr. 25.

Green, Barrett K., assignor to The National Cash Register Company, Dayton, Ohio. Making pressure sensitive record material. 2,505,482, Apr. 25.

Green, Barrett K., assignor to The National Cash Register Company, Dayton, Ohio. Making pressure sensitive record material. 2,505,483, Apr. 25.

Green, Barrett K., assignor to The National Cash Register Company, Dayton, Ohio. Making pressure sensitive record material. 2,505,484, Apr. 25.

Green, Barrett K., assignor to The National Cash Register Company, Dayton, Ohio. Making pressure sensitive record material. 2,505,485, Apr. 25.

Green, Barrett K, assignor to The National Cash Register Company, Dayton, Ohio. Making pressure sensitive record material. 2,505,486, Apr. 25.

Green, Barrett K., assignor to The National Cash Register Company, Dayton, Ohio. Making pressure sensitive record material. 2,505,487, Apr. 25.

Green, Barrett K., assignor to The National Cash Register Company, Dayton, Ohio. Making pressure sensitive record material. 2,505,488, Apr. 25.

Green, Barrett K., assignor to The National Cash Register Company, Dayton, Ohio. Making pressure sensitive record material. 2,505,489, Apr. 25.

Green, Benjamin, Newark, N. J. Table and relatively foldable seating therefor. 2,521,160, Sept. 5.

Green, Carl J., Oak Ridge, Tenn. Dispenser for liquid soaps and the like. 2,507,901, May 16.

Green, Cecil Z., Baltimore, Md. Fuel distributor. 2,521,119, Sept. 5.

Green, Clarence J., assignor to Norton Company, Worcester, Mass. Camshaft grinding machine. 2,508,998, May 23.

Green, Clarence J., and O. E. Hill, assignors to Norton Company, Worcester, Mass. Camshaft grinding machine. 2,535,130, Dec. 26.

Green, Corbin L., Hickory, N. C. Blade holder. 2,521,291, Sept. 5.

Green, David F., Ealing, London, and J. E. Salmon, assignors to Vandervell Products Limited, London, England. Indium plating. 2,497,988, Feb. 21.

Green, Donald C., Russell, Ohio. Pressure gauge. 2,518,540, Aug. 15.

Green, E. L., assignee: *See*—
Schwartz, Ralph E.

Green, Edward: *See*—
Freedman, Louis, and Green.

Green, Emma D., San Antonio, Tex. Thread cutter and holder. 2,515,509, July 18.

Green, Ernest, and V. O. Stokes, Chelmsford, England, assignors to Radio Corporation of America. High-frequency amplifiers, radio transmitters, and the like. 2,512,742, June 27.

Green, Estill I., Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Frequency modulating system for locating impedance irregularities. 2,499,001, Feb. 28.

Green, Estill I., Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Panoramic signal receiving system. 2,530,693, Nov. 21.

Green, Frank T.: *See*—
Hussey, Chester L., and Green.

Green, Freddie C., Altoona, Ala. Air bag stem. 2,530,055, Nov. 14.

Green, George W., Smithfield, W. Va., assignor to A. Beren, Marietta, Ohio. Well clay dumper. 2,528,225, Oct. 31.

Green, Gilbert E.: *See*—
Burnham, John, and Green.

Green, Harold C., assignor to Dutton-Lainson Company, Hastings, Nebr. Bumper hitch. 2,529,686, Nov. 14.

Green, Harry: *See*—
La Lande, William A., Jr., and Green.

Green, Henry, deceased, late of Forks Township, Northampton County, Pa., by M. L. Green, executrix, Easton, Pa., assignor to Interchemical Corporation, New York, N. Y. Apparatus for measuring adherence of coating films. 2,498,265, Feb. 21.

Green, Hice J.: *See*—
Flowers, Luther W.

Green, Irving, Daytona Beach, Fla. Ventilator assembly. 2,517,303, Aug. 1.

Green, James N., Copper Cliff, Ontario, Canada. Articulated locomotive truck frame. 2,502,004, Mar. 28.

Green, Lawrence, Huntington, assignor to Republic Aviation Corporation, near Farmingdale, N. Y. Terminal strip repair unit. 2,522,673, Sept. 19.

Green, Lawrence B., Glendale, Calif., assignor, by mesne assignments, to Shellmar Products Corporation, Chicago, Ill. Method and apparatus for forming plastic laminates. 2,496,911, Feb. 7.

Green, Lee B., Lakewood, Ohio. Juice extractor with a vibratory plunger. 2,500,986, Mar. 21.

Green, Lee B., Lakewood, Ohio. Fastening member. 2,510,693, June 6.

Green, Lee B., Lakewood, Ohio. Molding machine. 2,514,486, July 11.

Green, Lee B., Lakewood, Ohio. Stretch bending apparatus having a reciprocating die and pivoted side shaping and work gripping means. 2,527,412, Oct. 24.

Green, Loman O., assignor to Signode Steel Strapping Company, Chicago, Ill. Binder-strapping reel. 2,506,354, May 2.

Green, Marion C., Wichita, Kans. Spraying apparatus for internally coating pipes. 2,520,397, Aug. 29.

Green, Martin, Mahwah, N. J. Combined filing and display device. 2,520,461, Aug. 29.

Green, Mildred L., executrix: *See*— Green, Henry.

Green, Milton R., Norwich, Conn. Adjustable guide device for flush tank ball valves. 2,494,655, Jan. 17.

Green, Nathaniel P., University City, Mo. Water-cooling tower. 2,512,271, June 20.

Green, Noel B.: *See*— Cerny, Joseph A., and Green.

Green, Richard D., assignor to John A. Roebling's Sons Company, Trenton, N. J. Method and apparatus for grinding rod and wire. 2,497,407, Feb. 14.

Green, Richard D., assignor to John A. Roebling's Sons Company, Trenton, N. J. Method and apparatus for treating wire products. 2,524,439, Oct. 3.

Green, Robert N.: *See*— Baldridge, Ernest B., and Green.

Green, Stanley S., New Bedford, Mass., assignor to Duncan Electric Manufacturing Company, Lafayette, Ind. Alternator. 2,516,114, July 25.

Green, Sydney R., Barkingside, Ilford, England. Scale projection means for weighing balances. 2,493,133, Jan. 3.

Green, Vernon L.: *See*— Nystrom, Karl F., and Green.

Green, Vernor W., Shrewsbury, Mass. Vehicle wheel. 2,525,219, Oct. 10.

Green, Walter B., assignor to Super-Grip Anchor Bolt Co., Inc., Philadelphia, Pa. Anchor bolt. 2,527,128, Oct. 24.

Green, Walter H.: *See*— Paulette, Robert G., and Green.

Green, Walter H., Batavia, assignor to Infilco Incorporated, Chicago, Ill. Liquid treating apparatus and process. 2,509,683. May 30.

Green, Walter H., Batavia, assignor to Infilco Incorporated, Chicago, Ill. Scum breaker. 2,520,540, Aug. 29.

Green, Walter H., Batavia, assignor to Infilco Incorporated, Chicago, Ill. Clarifying apparatus. 2,528,879, Nov. 7.

Greenan, Wirt G., Revere, Mass., assignor to Beckwith Manufacturing Company, Dover, N. H. Last for use in the manufacture of safety shoes. 2,498,037, Feb. 21.

Greenbaum, Bernard J., Weston, Conn. Baby bath. 2,499,094, Feb 28.

Greenbaum, Bernard J., Weston, Conn. High chair tray. 2,505,490, Apr. 25.

Greenbaum, Bernard J., Westport, Conn. Table and chair. 2,529,687, Nov. 14.

Greenbaum, Jack L., assignee: *See*— Preston, George.

Greenberg, Alvin A., Baltimore, Md. Plurality capsule. 2,494,294, Jan. 10.

Greenberg, Alvin A., Baltimore, Md. Capsule shaker nest. 2,518,773, Aug. 15.

Greenberg, Alvin A., Baltimore, Md. Dental amalgamator. 2,524,523, Oct. 3.

Greenberg, Alvin A., Baltimore, Md. Container. 2,527,991, Oct. 31.

Greenberg, Alvin A., Baltimore, Md. Capsule. 2,527,992, Oct. 31.

Greenberg, Benjamin A., assignor to Charm Tred Mills, Incorporated, Chicago, Ill. Rug and making same. 2,513,559, July 4.

Greenberg, Charles B., assignee: *See*— Feiner, Jacob S., and Stone.

Greenberg, Charles B., New York, N. Y. Expandible adjustable link. 2,526,023, Oct. 17.

Greenberg, Charles J., Brooklyn, N. Y. Syringe. 2,515,956, July 18.

Greenberg, George, Brooklyn, N. Y. Platform attachment for worktables. 2,499,062, Feb. 28.

Greenberg, George, Brooklyn, N. Y. Speed limit indicator. 2,511,503, June 13.

Greenberg, Herman, New York, N. Y. Thread gauge. 2,528,431, Oct. 31.

Greenberg, Joseph H.: *See*— Meacham, Floran L., and Greenberg.

Greenberg, Leonard, Oneonta, N. Y. Spectral photographic sound apparatus and record. 2,517,659, Aug. 8.

Greenberg's, M., Sons, assignee: *See*— Hendrickson, Harold G., and Hagberg.

Greenblatt, Hyman S., Newton Highlands, and J. Cohen, Mattapan, Boston, Mass., said Cohen assignor to said Greenblatt. Wearing apparel. 2,493,813, Jan. 10.

Greene, David, assignor to Esmco Auto Products Corporation, Brooklyn, N. Y. Adjustable table top. 2,500,542, Mar. 14.

Greene, David, Brooklyn, assignor, by mesne assignments, to The Datom Company, Inc., New York, N. Y. Step stool. 2,523,466, Sept. 26.

Greene, David H., Los Angeles, Calif., assignor to Danciger Oil & Refining Company, Fort Worth, Tex. Apparatus for heating fluids. 2,530,958, Nov. 21.

Greene, Edgeworth, Great Notch, assignor to Inter-Seal Corporation, Spring Lake, N. J. Receptacle closure. 2,497,599, Feb. 14.

Greene, Edward S., Union, N. J. Extrusion machine cylinder. 2,522,365, Sept. 12.

Greene, Frank C., Oakland, Calif., assignor to In Situ Gases Incorporated, Reno, Nev. Granular mining machine. 2,528,748, Nov. 7.

Greene, Frank M., Oklahoma City, Okla. Hedge trimmer attachment. 2,510,311, June 6.

Greene, G. G., Manufacturing Corporation, assignee: *See*— Greene, George G.

Greene, George F.: *See*— Scott, Benjamin B., Greene, and Coggeshall.

Greene, George G., deceased, Warren, Pa.; G. G. Greene, Jr., executor of said G. G. Greene, assignor to G. G. Greene Manufacturing Corporation, Warren, Pa. Expanding die for sheet metal presses. 2,518,422, Aug. 8.

Greene, George G., Jr., executor: *See*— Greene, George G.

Greene, Haskell M., Whittier, Calif. Well pipe filter. 2,525,897, Oct. 17.

Greene, Howard B., Cheshire, assignor to Metalite, Inc., Meriden, Conn. Lipstick container. 2,502,716, Apr. 4.

Greene, Howard B., Cheshire, assignor to Metalite, Inc., Meriden, Conn. Lipstick container. 2,529,079, Nov. 7.

Greene, Ira, Brooklyn, N. Y. Vehicle tire. 2,523,695, Sept. 26.

Greene, John R., assignor to The John Bunn Corp., Buffalo, N. Y. Oxygen tent sealing appliance. 2,503,725, Apr. 11.

Greene, Joseph S., North Attleboro, Mass., assignor to Evans Case Co. Snuffer assembly for lighter wicks. 2,511,434, June 13.

Greene, Kenneth F., Griggstown, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Method and apparatus for the manufacture of insulating bodies. 2,503,041, Apr. 4.

Greene, Leonard, assignee: *See*— Ruben, Louis A.

Greene, Leonard, Scarsdale, N. Y. Stall warning device for airplanes. Re. 23,302, Dec. 5.

Greene, Richard B., Cheltenham Township, Montgomery County, Pa., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Production of cyclohexanols. 2,504,517, Apr. 18.

Greene, Richard B., Melrose Park, Pa., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Recovery of ortho-xylene by chemical treatment and distillation. 2,504,830, Apr. 18.

Greene, Robert S., Bronx, N. Y. Fit together spelling block. 2,510,884, June 6.

Greene, Van Rensselaer H., assignee: *See*— Gilson, Joseph L.

Greene, Wallace, Brooklyn, N. Y. Wrist watch attachment. 2,509,428, May 30.

Greener, Harry A., Trucksville, assignor to Pennsylvania Electronics Incorporated, Philadelphia, Pa. Lamp radio. 2,507,707, May 16.

Greener, Harry A., Trucksville, assignor to Pennsylvania Electronics Incorporated, Philadelphia, Pa. Phonograph pickup having permanent magnet armature. 2,507,708, May 16.

Greenfield, Albert B., Philadelphia, Pa. Elevating and supporting apparatus. 2,529,292, Nov. 7.

Greenfield, Alec, assignor, by mesne assignments, to The Greenfield Company, Chicago, Ill. Sun visor for automobiles. 2,500,406. Mar. 14.

Greenfield Company, The, assignee: *See*— Greenfield, Alec.

Greenfield Tap and Die Corporation, assignee: *See*— Warren, Frederick H.

Greenhalgh, Cyrus W., Westport, assignor to Remington Arms Company, Inc., Bridgeport, Conn. Forming spherical pellets. 2,510,574, June 6.

Greenhalgh, John, Auburndale, N. W. Pinkham, North Quincy, and R. B. Tomer, Danvers, assignors to Polaroid Corporation, Cambridge, Mass. Photographic product. 2,497,816, Feb. 14.

Greenhalgh, Robert K.: *See*— Levy, Norman, and Greenhalgh.

Greenhut, Joseph, University Heights, assignor to The Torq Electric Manufacturing Company, Cleveland, Ohio. Hydraulic pump or motor. 2,520,632, Aug. 29.

Greening, Standlee, Norwalk, Calif. Tank carrier and positioning device. 2,517,304, Aug. 1.

Greenleaf, Leland B., Elkhart, Ind., assignor, by mesne assignments, to Armour Research Foundation of Illinois Institute of Technology, Chicago, Ill. Magazine for magnetic recording apparatus. 2,519,312, Aug. 15.

Greenleaf, Leland B., and E. L. Kent, Elkhart, Ind., assignors, by mesne assignments, to Armour Research Foundation of Illinois Institute of Technology, Chicago, Ill. Magnetic recording apparatus. 2,519,245, Aug. 15.

Greenleaf, Nathaniel B., assignor to Suprasol Limited, Toronto, Ontario, Canada. Spring tension connection for securing mop heads to handles. 2,496,158, Jan. 31.

Greenleaf, Nathaniel B., and L. C. Webster, Toronto, Ontario, Canada, assignors to Sponge Products Corporation, Chicago, Ill. Back presser mop. 2,515,403, July 18.

Greenlee, Harry R., Indianapolis, assignor to The Studebaker Corporation, South Bend, Ind. Transmission. 2,510,469, June 6.

Greenlee, Harry R., Indianapolis, and W. A. Hasbany, assignors to The Studebaker Corporation, South Bend, Ind. Transmission. 2,516,203, July 25.

Greenlee, Sylvan O., assignor to Devoe & Raynolds Company, Inc., Louisville, Ky. Tall oil esters. 2,493,486, Jan. 3.

Greenlee, Sylvan O., Racine, Wis., assignor to Devoe & Raynolds Company, Inc., Louisville, Ky. Compositions of resinous epoxides and aromatic sulfonamide-aldehyde condensates. 2,494,295, Jan. 10.

Greenlee, Sylvan O., Racine, Wis., assignor to Devoe & Raynolds Company, Inc., Louisville, Ky. Compositions of phenol-oil condensates and polyepoxides. 2,502,145, Mar. 28.

Greenlee, Sylvan O., assignor to Devoe & Raynolds Company, Inc., Louisville, Ky. Polymeric polyhydric alcohols. 2,503,726, Apr. 11.

Greenlee, Sylvan O., assignor to Devoe & Raynolds Company, Inc., Louisville, Ky. Synthetic drying compositions. 2,504,518, Apr. 18.

Greenlee, Sylvan O., assignor to Devoe & Raynolds Company, Inc., Louisville, Ky. Amide, epoxy-phenol compositions. 2,510,885, June 6.

Greenlee, Sylvan O., assignor to Devoe & Raynolds Company, Inc., Louisville, Ky. Amide-epoxy-phenol compositions. 2,510,886, June 6.

Greenlee, Sylvan O., Racine, Wis., assignor to Devoe & Raynolds Company, Inc., Louisville, Ky. Compositions of resinous epoxides and aromatic amine aldehyde condensates. 2,511,913, June 20.

Greenlee, Sylvan O., assignor to Devoe & Raynolds Company, Inc., Louisville, Ky. Phenol-aldehyde and epoxide resin compositions. 2,521,911, Sept. 12.

Greenlee, Sylvan O., assignor to Devoe & Raynolds Company, Inc., Louisville, Ky. Phenol aldehyde polyepoxide compositions and reaction products. 2,521,912, Sept. 12.

Greenlee, Sylvan O., assignor to Devoe & Raynolds Company, Inc., Louisville, Ky. Polyepoxide-containing compositions and reaction products. 2,528,359, Oct. 31.

Greenlee, Sylvan O., assignor to Devoe & Raynolds Company, Inc., Louisville, Ky. Epoxide resin compositions. 2,528,360, Oct. 31.

Greenlee, Sylvan O., and J. D. Zech, assignors to Devoe & Raynolds Company, Inc., Louisville, Ky. Synthetic drying compositions. 2,502,518, Apr. 4.

Greenley, Thomas A.: *See*—
Kohle, Albert G., and Greenley.

Greenmount Manufacturing Company, assignee: *See*—
Goodman, Ben.

Greenough, Maurice L., Groveland, Mass., assignor to Radio Corporation of America. Servo system derivative generator. 2,497,216, Feb. 14.

Greenough, Maurice L., Groveland, Mass., assignor to Radio Corporation of America. Energizing circuit for servo systems. 2,528,512, Nov. 7.

Greensfelder, Bernard S.: *See*—
Roberts, Richard M., Eggertsen, and Greensfelder.
Voge, Hervey H., Good, and Greensfelder.

Greenspan, Frank P., and P. H. Margulies, assignors to Buffalo Electro-Chemical Company, Inc., Buffalo, N. Y. Treatment of raw plant tissue. 2,512,640, June 27.

Greenspan, Frank P., Buffalo, and F. X. Nerney, Tonawanda, assignors to Buffalo Electro-Chemical Company, Inc., Buffalo, N. Y. Production of fused collars. 2,527,546, Oct. 31.

Greenspon, Marshall E., Hartford, Conn. Picture frame. 2,519,183, Aug. 15.

Greenstein, Jesse L.: *See*—
Henyey, Louis G., and Greenstein.

Greenstein, Jesse L., Williams Bay, Wis., and L. G. Henyey, Berkeley, Calif., assignors to the United States of America as represented by the Secretary of War. Dual power split-field antitank telescope. 2,527,719, Oct. 31.

Greenstreet, Emma L., administratrix: *See*—
Greenstreet, Oliver P.

Greenstreet, Jack D., Long Beach, Calif. Trailer guide. 2,513,931, July 4.

Greenstreet, Oliver P., deceased, San Diego, Calif.; E. L. Greenstreet, administratrix of said O. P. Greenstreet. Wax composition for coating fruits. 2,510,816, June 6.

Greenup, Harold W., Barrington, and W. F. Jordan, Tiverton, R. I., assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Making sponge rubber from a mixture of polychloroprene and natural rubber. 2,495,097, Jan. 17.

Greenup, Roy T., Quilcene, assignor of one-half to H. S. Saari, Tacoma, Wash. Tent. 2,530,765, Nov. 21.

Greenwald, Bertrand W., and R. K. Cohen, Pawhuska, assignors to Cities Service Oil Company, Bartlesville, Okla. Production of paraformaldehyde. 2,498,206, Feb. 21.

Greenwald, Fred A., Southgate, and J. W. Wurtz, San Gabriel, assignors to Arrowhead Rubber Co., Los Angeles, Calif. Manufacturing high-heat resistant ducts. 2,525,070, Oct. 10.

Greenway, Lewis M., Lansdowne, Pa. Table top and supporting frame. 2,532,902, Dec. 5.

Greenwell, Nevil, Bethlehem, Pa., assignor to Bethlehem Steel Company. Highway guard structure bracket. 2,518,004, Aug. 8.

Greenwood, Clifford W., assignor, by mesne assignments, to Airosol Company, Inc., Neodesha, Kans. Pressure valve. 2,506,449, May 2.

Greenwood, Ernest J., Stratford, assignor to United Aircraft Corporation, East Hartford, Conn. Control for aircraft drives. 2,534,168, Dec. 12.

Greenwood, Ivan A., Jr., Pleasantville, and E. B. Hales, Mount Kisco, N. Y., assignors to General Precision Laboratory Incorporated. Motor energization circuit. 2,519,043, Aug. 15.

Greenwood, William A., Barnet, and W. Liddell, West Kensington, London, England, assignors to Imperial Chemical Industries Limited. Lens system and mounting for television projection. 2,513,723, July 4.

Greer, Charles L., Knoxville, Tenn. Bag holding and dispensing rack. 2,513,474, July 4.

Greer, Edward M., Hempstead Township, Nassau County, N. Y., and D. A. Stark, Chicago, Ill., assignors to Greer Hydraulics Inc., Brooklyn, N. Y. Automatic gauge valve. 2,498,366, Feb. 21.

Greer, Edward M., West Hempstead, assignor to Greer Hydraulics, Inc., Brooklyn, N. Y. Clogged filter signal device. 2,499,494, Mar. 7.

Greer, Enos T., assignee: *See*—
Redcliffe, Frederick J.

Greer, Frederick W., Belmont, assignor to J. W. Greer Company, Cambridge, Mass. Method of and apparatus for conditioning chocolate and the like. 2,531,773, Nov. 28.

Greer Hydraulics, Inc., assignee: *See*—
Greer, Edward M.
Greer, Edward M., and Stark.

Greer, J. W., Company, assignee: *See*—
Greer, Frederick W.

Greer, John J., Conimicut, and S. C. Greer, Warwick, R. I. Ratchet wrench. 2,508,604, May 23.

Greer, Lanier, Erie, Pa., assignor to General Electric Company. Field coil for dynamoelectric machines. 2,517,105, Aug. 1.

Greer, Samuel C.: *See*—
Greer, John J. and S. C.

Greer, Thomas M.: *See*—
Bacheler, Albert T., and Greer.

Gregg, David: *See*—
Lawrence, Donald M., Gregg and Taylor.

Gregg, David, Troy Hills, assignor to Bendix Aviation Corporation, Teterboro, N. J. Inertia actuated vehicle safety device. 2,499,993, Mar. 7.

Gregg, Earl M., assignee: *See*—
Kenworthy, Max S.

Gregg, Eugene A., Cleveland, Ohio. Cigarette dispenser. 2,506,719, May 9.

Gregg, Hendrick J., Arlington Heights, Ill. Protective cover for electrical outlets. 2,526,606, Oct. 17.

Gregg, Robert G., New York, N. Y., and A. E. Wirth, Rutherford, N. J., said Wirth assignor to said Gregg. Incinerator with spark arrester and cooling means. 2,515,869, July 18.

Gregor, Fred, Brooklyn, assignor of one-half to N. Roth, Forest Hills, N. Y. Temperature and humidity controlled refrigerating apparatus. 2,506,448, May 2.

Gregor, Harry P.: *See*—
Sollner, Karl, Carr, and Gregor.

Gregory, Albion H., London, England. Measuring the level of liquids in tanks. 2,511,632, June 13.

Gregory, Alfred T.: *See*—
DePew, Chester C., and Gregory.

Gregory, Alfred T., Manhasset, assignor to Fairchild Engine and Airplane Corporation, Farmingdale, N. Y. Transmission for dual engine drives. 2,505,857, May 2.

Gregory, Alfred T., Massapequa, assignor to Fairchild Engine and Airplane Corporation, Farmingdale, N. Y. Gearing for internal-combustion engines. 2,505,856, May 2.

Gregory, Benjamin F., Kansas City, Mo., assignor, by mesne assignments, of one-half to Martha Realty Company. Vehicle chassis. 2,499,495, Mar. 7.

Gregory, Benjamin F., Kansas City, Mo., assignor, by mesne assignments, of one-half to Martha Realty Company. Front-wheel drive for motor vehicles. 2,503,477, Apr. 11.

Gregory, Charles H., Eaglescliffe, and J. Hall, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited. Indicating, recording, and controlling apparatus. 2,535,202, Dec. 26.

Gregory, Edna R., Richmond Hill, Ga. Venetian blind slat holder. 2,504,519, Apr. 18.

Gregory, Eli E., Lewisport, Ky. Spring winding device. 2,530,576, Nov. 21.

Gregory, James T.: *See*—
Jansen, Jacob E., and Gregory.

Gregory, James T., Cuyahoga Falls, and J. E. Jansen, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Esters of sulfur-containing polycarboxylic acids. 2,530,872, Nov. 21.

Gregory, John J., Akron, Ohio. Venetian blind slat. 2,521,363, Sept. 5.

Gregory, Paul: *See*—
Le Breton, Eliane, and Gregory.

Gregory, Waylande C., Bound Brook, N. J. Making composite glass and metal articles. 2,521,845, Sept. 12.
Gregory, Waylande C., Bound Brook, N. J. Composite glass and metal article. 2,521,846, Sept. 12.
Gregson, Oswald W., and E. A. Ekstrom, Saugus, Mass. Making display cutouts. 2,495,519, Jan. 24.
Gregson, Robert W., Baltimore, Md., assignor, by mesne assignments, to Franklin Railway Supply Company, Wilmington, Del. Distortion correction for steam engine valve gears. 2,525,896, Oct. 17.
Greibach, Emil H., White Plains, N. Y. Inertia-type electromechanical sound transducing device. 2,500,541, Mar. 14.
Greider, Clarence E., Lakewood, Ohio, assignor, by mesne assignments, to Union Carbide and Carbon Corporation. High-intensity carbon electrode. 2,508,455, May 23.
Greider, Harold W., and W. V. Leibrook, Wyoming, assignors to The Philip Carey Manufacturing Company, Lockland, Ohio. Composition shingle. 2,533,364, Dec. 12.
Greig, Harold G., Princeton, N. J., assignor to Radio Corporation of America. Electrolytic recording. 2,493,963, Jan. 10.
Greig, Harold G., Princeton, N. J., assignor to Radio Corporation of America. Dry mixes for use in electrolytic recording. 2,513,238, June 27.
Greig, James W., assignor to Woodall Industries, Inc., Detroit, Mich. Vehicle body side wall. 2,513,473, July 4.
Greiling, David J., assignor to McCray Refrigerator Company, Kendallville, Ind. Refrigerated merchandise display case or the like. 2,494,703, Jan. 17.
Greiling, David J., assignor to McCray Refrigerator Company, Kendallville, Ind. Sweat-preventing means for freezing cases. 2,504,520, Apr. 18.
Greiling, David J., assignor to McCray Refrigerator Company, Kendallville, Ind. Refrigerated self-service display case. 2,529,384, Nov. 7.
Greiner, Alfred, Cleveland Heights, Ohio, assignor to General Electric Company. Apparatus for sealing glass and metal members. 2,494,870, Jan. 17.
Greiner, Alfred, Cleveland Heights, Ohio, assignor to General Electric Company. Apparatus for bending glass tubes. 2,494,871, Jan. 17.
Greiner, Alfred, Cleveland Heights, Ohio, assignor to General Electric Company. Electric lamp or similar device and manufacture. 2,497,545, Feb. 14.
Greiner, Alfred, Cleveland Heights, Ohio, assignor to General Electric Company. Quartz-to-metal seal. 2,504,521, Apr. 18.
Greiner, Alfred, Cleveland Heights, Ohio, assignor to General Electric Company. Quartz-to-metal seal. 2,504,522, Apr. 18.
Greiner, Alfred, Cleveland Heights, Ohio, assignor to General Electric Company. Glass tube bending method and apparatus. 2,523,015, Sept. 19.
Greiner, Alfred, Cleveland Heights, and A. W. Seitz, Euclid, Ohio, assignors to General Electric Company. Method and apparatus for bending tubular glass articles. 2,494,872, Jan. 17.
Greiner, Alfred, and E. Q. Adams, Cleveland Heights, Ohio, assignors to General Electric Company. Sealing metal to glass. 2,515,706, July 18.
Greiner, Carl F., and J. F. Harrison, assignors to The Buffalo-Springfield Roller Co., Springfield, Ohio. Blade attachment for tamping rollers. 2,499,746, Mar. 7.
Greiner, Carl F., and J. F. Harrison, assignors to The Buffalo-Springfield Roller Co., Springfield, Ohio. Self-propelled tamping roller. 2,510,817, June 6.
Greiner, Charles A. and E. F., New Orleans, La. Severing the heads from the bodies of shrimp. 2,534,767, Dec. 19.
Greiner, Earl S., Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cobalt base alloys and resistance elements formed therefrom. 2,506,420, May 2.
Greiner, Elbert F.: *See*—
Greiner, Charles A. and E. F.
Greiner, Harold F., Geneva, assignor to The Garlock Packing Company, Palmyra, N. Y. Sealing device. 2,506,447, May 2.
Greiner, Henry J., Anoka, Minn. Power take-off transmission. 2,493,132, Jan. 3.
Greitzer, Meyer, Los Angeles, Calif. Chair having front seat apron. 2,525,126, Oct. 10.
Greison, Peter, Minneapolis, Minn. Lawn sprinkler. 2,534,016, Dec. 12.
Grenat, John J., Detroit, Mich. Aligned bearing assembly. 2,531,334, Nov. 21.
Grenfell, Alexis R., Stanmore, assignor to The Decca Record Company, Limited, London, England. Radio navigational aid. 2,531,908, Nov. 28.
Grenfell, Clarence J.: *See*—
Haglund, Vern N., and Grenfell.
Grenga, Anthony D., Youngstown, Ohio. Laundry tub. 2,500,490, Mar. 14.
Grenier, Bernard J., Detroit, Mich. Hinged bow. 2,514,638, July 11.
Grepe, Frederick Y., assignor to Canadian Controllers, Limited, Toronto, Ontario, Canada. Automatic load compensation system for electric motors. 2,525,541, Oct. 10.
Gresham, Claude D.: *See*—
Renstrom, Carl W., Hoffmann, and Gresham.
Gresham, Donald C., Wealdstone, Harrow, England, assignor to Eastman Kodak Company, Rochester, N. Y. Plating nonmetallic surfaces. 2,533,454, Dec. 12.
Gresham, Harold E.: *See*—
Hall, Horace C., Gresham, Doyle, and Wilson.
Gresham, Harold E., Little Eaton, and D. W. Hall, West Monkseaton, assignors to Rolls-Royce Limited, Derby, England. Heat-treatment of nickel-chromium alloys. 2,497,667, Feb. 14.
Gresham, Thomas L., and R. A. Bankert, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Preparation of beta-(N,N-diphenyl)-amino propionic acid. 2,502,453, Apr. 4.
Gresham, Thomas L., and F. W. Shaver, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Preparation of beta-amino carboxylic acids by the reaction of ammonia with beta-lactones. 2,525,794, Oct. 17.
Gresham, Thomas L., and J. E. Jansen, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Preparation of beta-hydroxy carboxylic acid esters by alcoholysis of linear polyesters derived from beta-lactones. 2,526,554, Oct. 17.
Gresham, Thomas L., and F. W. Shaver, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Preparation of N-substituted and N,N-disubstituted beta-amino saturated aliphatic monocarboxylic acids. 2,526,555, Oct. 17.
Gresham, Thomas L., and F. W. Shaver, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Preparation of N-ethyl and N,N-dimethyl beta-alanine. 2,526,556, Oct. 17.
Gresham, Thomas L., and F. W. Shaver, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Preparation of N-substituted and N,N-disubstituted beta-amino-saturated aliphatic monocarboxylic acids. 2,526,557, Oct. 17.
Gresham, Thomas L., and F. W. Shaver, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Preparation of novel N-carboxyalkyl morpholines. 2,526,558, Oct. 17.
Gresham, William F.: *See*—
Loder, Donald J., and Gresham.
Gresham, William F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of propylene glycol esters. 2,497,408, Feb. 14.
Gresham, William F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Hydrodemethanolization. 2,504,407, Apr. 18.
Gresham, William F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of alkoxy-substituted aldehydes. 2,504,680, Apr. 18.
Gresham, William F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Ester hydrolysis. 2,511,467, June 13.
Gresham, William F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Alkoxymethoxyalkyl vinyl ethers. 2,513,642, July 4.
Gresham, William F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of substituted glutaric acid esters. 2,522,366, Sept. 12.
Gresham, William F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerization of unsaturated ethers. 2,526,743, Oct. 24.
Gresham, William F., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Catalytic process for preparing alcohols. 2,535,060, Dec. 26.
Gresham, William F., and W. E. Grigsby, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of substituted alkyloltetrahydropyran. Re. 23,248, July 18.
Gresham, William F., and W. E. Grigsby, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of substituted alkyloltetrahydropyran. 2,493,964, Jan. 10.
Gresham, William F., and R. E. Brooks, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Reaction between olefinic compounds, carbon monoxide, and hydrogen in the presence of a metal carbonyl catalyst. 2,497,303, Feb. 14.
Gresham, William F., and R. E. Brooks, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of carboxylic acid anhydrides. 2,497,304, Feb. 14.
Gresham, William F., R. E. Brooks, and W. M. Bruner, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of amines. 2,501,509, Mar. 21.
Gresham, William F., and C. E. Schweitzer, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of ethylene glycol esters. 2,519,754, Aug. 22.
Gresham, William F., and C. E. Schweitzer, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Synthesis of amino acids. 2,520,312, Aug. 29.
Gresham, William F., and R. E. Brooks, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Organic compound and preparing same. 2,525,793, Oct. 17.
Gresham, William F., and R. E. Brooks, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Ketones from secondary alcohols, olefinic compounds, and carbon monoxide. 2,526,742, Oct. 24.

Gresham, William F., and W. E. Grigsby, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Catalyst recovery process. 2,534,017, Dec. 12.

Gresham, William F., and C. E. Schweitzer, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of polyfunctional compounds. 2,534,018, Dec. 12.

Gressinger, Alfred W.: *See*—
Freasier, Stella R., and Gressinger.

Gresty, Benjamin C.: *See*—
Milhench, Harry. Gresty and Comfort.

Gretener, Edgar, Zurich, Switzerland. Arc lamp. 2,510,102, June 6.

Grether, Walter F., Dayton, Ohio. Self-administering color vision test. 2,528,513, Nov. 7.

Gretsch, Fred, Jr., Forest Hills, assignor to The Fred Gretsch Manufacturing Company, Brooklyn, N. Y. Musical comb. 2,531,212, Nov. 21.

Gretsch, Fred, Manufacturing Company, The, assignee: *See*—
Gretsch, Fred, Jr.

Gretschel, Frederick A., Los Angeles, Calif. Fuse combination with replaceable fuse element. 2,512,932, June 27.

Grettie, Donald P., assignor to Swift & Company, Chicago, Ill. Gelatin dessert. 2,519,961, Aug. 22.

Grettve, Karl E. L., Lilla Edet, Sweden. Apparatus for creping paper and other crepable foils. 2,535,734, Dec. 26.

Greutman, William J., Miller, Nebr. Wire stretcher. 2,519,832, Aug. 22.

Grevas, Steve P., Nameoki, Ill. Gaseous fluid vaporizer and mixing device. 2,535,410, Dec. 26.

Grevich, John J., St. Paul, Minn. Fishing rod holder. 2,513,475, July 4.

Grewe, Dan C., Arlington, Wash. Trailer hitch. 2,511,257, June 13.

Grey, Alan L., New York, N. Y. Bottle cap remover. 2,506,450, May 2.

Grey, David S., Lexington, assignor to Polaroid Corporation, Cambridge, Mass. Antiglare headlight system for automotive vehicles comprising selectively energized polarizing and nonpolarizing light sources. 2,493,192, Jan. 3.

Grey, David S., Weston, assignor to Polaroid Corporation, Cambridge, Mass. Optical system. 2,520,633, Aug. 29.

Grey, David S., Weston, assignor to Polaroid Corporation, Cambridge, Mass. Optical objective employing reflecting elements. 2,520,634, Aug. 29.

Grey, David S., Weston, assignor to Polaroid Corporation, Cambridge, Mass. Optical system. 2,520,635, Aug. 29.

Grey, David S., Weston, assignor to Polaroid Corporation, Cambridge, Mass. Optical objective. 2,520,636, Aug. 29.

Grey Hosiery Mills, assignee: *See*—
Dills, Samuel L.

Grey, Mae S., San Francisco, Calif. Barber's chair headrest. 2,514,757, July 11.

Grey, Ralph, Bayside, N. Y. Electric switch. 2,502,519, Apr. 4.

Greyhound Amusement Device Company, assignee: *See*—
Florimont, Eugene.

Gribbins, Myers F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Thiodipropionates-polythene antioxidants. 2,519,755, Aug. 22.

Gricar, John, St. Charles, Mich. Toy spring pistol. 2,530,658, Nov. 21.

Gridiron Steel Company, assignee: *See*—
Sherbondy, Earl H.

Gridley, Darrin H., Washington, D. C. Data transformation system. 2,533,242, Dec. 12.

Grieb, Charles, Flushing, N. Y. Foldable auxiliary baby seat. 2,496,205, Jan. 31.

Grieco, Joseph R., Brooklyn, N. Y., assignor to Eagle Pencil Company. Wood encased pencil, lead therefor, and making same. 2,515,118, July 11.

Grieder, C. J., assignee: *See*—
Pape, August H.

Grieg, Donald D.: *See*—
Labin, Emile, and Grieg.
Labin, Emile, Grieg, and Levine.

Grieg, Donald D., Forest Hills, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J. Radio receiver. 2,498,675, Feb. 28.

Grieg, Donald D., Forest Hills, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Calibration apparatus for radio receiver. 2,498,676, Feb. 28.

Grieg, Donald D., Forest Hills, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Communication of intelligence. 2,498,677, Feb. 28.

Grieg, Donald D., Forest Hills, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Multiplex electrical pulse communication system. 2,498,678, Feb. 28.

Grieg, Donald D., Forest Hills, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Improving signal to noise ratio of selected pulse signals. 2,502,454, Apr. 4.

Grieg, Donald D., Forest Hills, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Radio pulse type distance measuring system. 2,504,975, Apr. 25.

Grieg, Donald D., Forest Hills, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Electronic pulse discriminator circuit. 2,504,976, Apr. 25.

Grieg, Donald D., Forest Hills, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Electrical time modulated pulse communication system. 2,513,308, July 4.

Grieg, Donald D., Forest Hills, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Radio obstacle detection system. 2,517,558, Aug. 8.

Grieg, Donald D., Forest Hills, assignor to International Standard Electric Corporation, New York, N. Y. Homing beacon reception system. 2,531,425, Nov. 28.

Grieg, Donald D., Forest Hills, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Electrical pulse width shaper and selector. 2,535,061, Dec. 26.

Grieg, Donald D., Forest Hills, and E. Labin, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Multichannel time modulated pulse receiving system. 2,524,789, Oct. 10.

Griemsmann, Henry E., Elmira Heights, N. Y., assignor to Bendix Aviation Corporation. Yarn cleaner. 2,526,864, Oct. 24.

Griemsmann, John W. E.: *See*—
Weber, Ernst, and Griemsmann.

Grier, Joe, Jr., Lula, Miss. Corn planter. 2,518,306, Aug. 8.

Grierson, John O., Ypsilanti, Mich. Swinging power saw. 2,505,958, May 2.

Grierson, Sarah F., Roslindale, Mass. Hand electric iron curtain ruffler. 2,530,196, Nov. 14.

Gries, Otto: *See*—
Morin, Louis H., and Gries.

Griesbaum, Henry G., Pevely, Mo. Adjustable calculating chart. 2,494,172, Jan. 10.

Griese, Elmer G., Caldwell, N. J., assignor to Curtiss-Wright Corporation. Compound propeller blade. 2,514,487, July 11.

Griesemer, Harry E., Bloomington, assignor to Northwestern Steel and Wire Company, Sterling, Ill. Electrical control for fence welding machines. 2,497,260, Feb. 14.

Grieshaber, Emil and K. Froehlich, assignors to Nordberg Manufacturing Co., Milwaukee, Wis. Control mechanism for Diesel engines. 2,535,571, Dec. 26.

Griesman, Bruno L., New York, N. Y. Nasal applicator. 2,496,125, Jan. 31.

Griewank, Otto C., La Porte, Ind. Oil-burning heater. 2,499,308, Feb. 28.

Griff, Robert D.: *See*—
Walz, Claude W., and Griff.
Walz, Claude W., Griff, and Clausen.

Griffen, Ralph, Detroit, assignor to American Blower Corporation, Dearborn, Mich. Fluid stream directing means. 2,506,298, May 2.

Griffes, Milton W., assignor to The Electric Controller & Manufacturing Company, Cleveland, Ohio. Electric switch. 2,515,596, July 18.

Griffin, Cecil M., Pittsburgh, Pa. Condenser tube cleaner with resilient scraper elements. 2,503,042, Apr. 4.

Griffin, Curtis E., Rhododendron, Oreg. Cerium acetate containing composition. 2,497,546, Feb. 14.

Griffin, Dana A., North Plainfield, N. J., and L. C. Waller, Bayside, assignors to Communication Measurements Laboratory, New York, N. Y. Modulated detector reception of continuous waves. 2,514,859, July 11.

Griffin, Harry L., Rockville Centre, assignor to Dry-Or-Shade, Inc., New York, N. Y. Combined clothes drier and sunshade. 2,503,386, Apr. 11.

Griffin, Harry M., Webster Groves, Mo., assignor to Curtiss-Wright Corporation. Air gun rivet feed. 2,493,868, Jan. 10.

Griffin, Howard E., Kew Gardens, and V. J. Collins, Richmond Hill, N. Y.; said Griffin assignor to said Collins. Eraser and holder therefor. 2,520,085, Aug. 22.

Griffin, Ira L., Charlotte, N. C. Making flour size. 2,520,597, Aug. 29.

Griffin, Jeff L., Nashville, N. C. Oil burner of the pan or tray type. 2,517,200, Aug. 1.

Griffin, John R., Jr., Bridgeport, Pa., and P. R. Van Ess, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Compounded lubricating oil. Re. 23,229, May 9.

Griffin, Joseph F., Hammond, Ind., assignor to Combustion Engineering-Superheater, Inc. Composite wear ring for centrifugal pump impellers. 2,517,477, Aug. 1.

Griffin, Joseph F., Hammond, and R. G. Skoog, Crown Point, Ind., assignors to Combustion-Engineering-Superheater, Inc. Condensate drain system for steam engines. 2,531,878, Nov. 28.

Griffin, Laurence J., Sidcup, Kent, England, assignor to International Standard Electric Corporation, New York, N. Y. Radio receiving set and cabinet therefor. 2,510,103, June 6.

Griffin, Lindsay I., Baton Rouge, La., assignor to Standard Oil Development Company. Synthesis of hydrocarbons. 2,498,838, Feb. 28.

Griffin, Metram J., New York, N. Y. Explosion-proof lighting unit. 2,517,478, Aug. 1.

Griffin, Oscar B., and C. E. Mayhall, Marianna, Fla. Fish stringer. 2,518,541, Aug. 15.

Griffin, Pearl M., Hallock, Minn. Package carrier. 2,518,681, Aug. 15.

Griffin, Percy M., assignor to Consolidated Car-Heating Company, Inc., Albany, N. Y. Flexible shaft coupling. 2,496,871 Feb. 7.

Griffin, Percy M., assignor to Consolidated Car-Heating Company, Inc., Albany, N. Y. Electric door operator with auxiliary operating means. 2,504,408, Apr. 18.
Griffin, Percy M., deceased, Rensselaer, N. Y.; L. L. English, executrix of said P. M. Griffin. Oarlock socket. 2,533,190, Dec. 5.
Griffin, Ramon A., Oklahoma City, Okla. Safety razor. 2,532,714, Dec. 5.
Griffin, Roy T., Brandywine, assignor of one-half to J. H. Hunt, Waldorf, Md. Boat propelling device. 2,507,205, May 9.
Griffin, Theodore R., Lexington, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Cowl fastener. 2,515,510, July 18.
Griffith, Alan A., assignor to Rolls-Royce Limited, Derby, England. Compound gas-turbine power plant with parallel flow turbines. 2,519,130, Aug. 15.
Griffith, Clement P., assignor to Bowser, Inc., Fort Wayne, Ind. Pump shutoff mechanism. 2,496,467, Feb. 7.
Griffith, Clement P., and H. E. Marvel, assignors to Bowser, Inc., Fort Wayne, Ind. Register resetting mechanism. 2,511,159, June 13.
Griffith, Clifford J.: *See*—
Pulver, Roy G., and Griffith.
Griffith, Dinsmore L., and E. I. Isherwood, Flin Flon, assignors to Hudson Bay Mining and Smelting Co., Limited, Winnipeg, Manitoba, Canada. Electrolytic recovery of zinc. 2,496,996, Feb. 7.
Griffith, Dinsmore L., and M. J. Rankin, Flin Flon, assignors to Hudson Bay Mining and Smelting Co., Limited, Winnipeg, Manitoba, Canada. Removal of impurities from zinc electrolyte solutions. 2,503,479, Apr. 11.
Griffith, Dinsmore L., and M. J. Rankin, Flin Flon, assignors to Hudson Bay Mining and Smelting Co., Limited, Winnipeg, Manitoba, Canada. Removing nickel and cobalt impurities from zinc electrolyte solutions. 2,509,916, May 30.
Griffith, Dinsmore L., and M. J. Rankin, Flin Flon, assignors to Hudson Bay Mining and Smelting Co., Limited, Winnipeg, Manitoba, Canada. Removing nickel and cobalt impurities from zinc electrolyte solutions. 2,509,917, May 30.
Griffith, Dinsmore L., and M. J. Rankin, Flin Flon, assignors to Hudson Bay Mining and Smelting Co., Limited, Winnipeg, Manitoba, Canada. Removing nickel and cobalt impurities from zinc electrolyte solutions. 2,509,918, May 30.
Griffith, Frank S., Palmerton, Pa., assignor to The New Jersey Zinc Company, New York, N. Y. Recovery of manganese by electrolysis. 2,497,725, Feb. 14.
Griffith, Glen L., assignor to R. L. Clark, Ventura, Calif. Dispenser for salmon eggs and the like. 2,518,986, Aug. 15.
Griffith-Hope Company, assignee: *See*—
Hope, Samuel N.
Griffith, Joshua T., Jr., Highland Park, Ill. Holder for spectacles. 2,499,140, Feb. 28.
Griffith Laboratories, Inc., The, assignee: *See*—
Hall, Lloyd A.
Hall, Lloyd A., and Sair.
Griffith, Raymond C., Columbus, Ohio. Temperature compensating means. 2,513,476, July 4.
Griffith, Richard: *See*—
Kapp, Roland, and Griffith.
Griffith, Vernon D., Omaha, Nebr. Frame for license plates and the like. 2,499,747, Mar. 7.
Griffiths, Frederick J., Massillon, Ohio, assignor to Chromium Mining and Smelting Corporation, Limited, Sault Ste. Marie, Ontario, Quebec, Canada. Blocking open hearth heats. 2,527,186, Oct. 24.
Griffiths, John R., Oakland, Calif. Ingot mold lining apparatus. 2,508,711, May 23.
Griffiths, Leighton E., Ossining, and J. N. Hiensch, Larchmont, assignors to Philips Laboratories, Inc., Irvington on Hudson, N. Y. Electrical condenser. 2,510,694, June 6.
Griffiths, William, Mazon, Ill. Crossrow cultivator for tractors. 2,521,631, Sept. 5.
Grigg, George T., Walnut Park, Calif. Pipe joint. 2,493,452, Jan. 3.
Griggs, Henry C., and L. J. Litalien, assignors to The Waterbury Farrel Foundry & Machine Co., Waterbury, Conn. Making gray cast iron. 2,494,238, Jan. 10.
Griggs, Nelson S., Paterson, assignor to Specialties Development Corporation, Bloomfield, N. J. Coupling for valves and the like. 2,515,215, July 18.
Griggs, William H., and W. F. Fowler, Jr., assignors to Eastman Kodak Company, Rochester, N. Y. Fine-grained bichromate sensitized photographic material. 2,500,028, Mar. 7.
Griglak, Stephen I., Manassas, Va. Gauge and core for stereotype mold boxes. 2,522,869, Sept. 19.
Grignon, Lorin D., assignor to Twentieth Century-Fox Film Corporation, Los Angeles, Calif. Electronic counter. 2,527,633, Oct. 31.
Grigsby, Gail G., Desloge, Mo. Conveyer belt. 2,511,581, June 13.
Grigsby, Robert E., Cincinnati, Ohio. Hair wave processing indicator. 2,496,206, Jan. 31.
Grigsby, William E.: *See*—
Gresham, William F., and Grigsby.
Grigsby, William M., Richmond, Va. Hoist device. 2,497,600, Feb. 14.
Grikscheit, Henry W.: *See*—
Cook, Ralph H., and Grikscheit.
Grill, Charles T., Pasadena, Calif. Combination electric plug and socket. 2,524,701, Oct. 3.
Grilleaux, Kenneth S.: *See*—
Carlson, Harold A., and Grilleaux.
Grilley, Edmund S., assignor to Hobbs Manufacturing Company, Fort Worth, Tex. Vehicular tail gate. 2,504,326, Apr. 18.
Grim, Clair R., executor: *See*—
Lower, Donald E.
Grimaldi, David, Crystal Lake, N. J. Malting plow machine. 2,495,096, Jan. 17.
Grime, Edward P., Los Angeles, Calif. Hydraulic jack construction. 2,503,478, Apr. 11.
Grimes, Harold J.: *See*—
Grimes, Leslie and H. J.
Grimes, John H.: *See*—
Happey, Frank, and Grimes.
Grimes, Leslie and H. J., Clarkston, Wash. Thermostatic mixing valve. 2,499,496, Mar. 7.
Grimes, Warren G., Urbana, Ohio. Aircraft landing light. 2,510,818, June 6.
Grimm, Cliel L., Highland Park, Mich. Artificial fish bait. 2,493,487, Jan. 3.
Grimm, George E., assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 2,495,520, Jan. 24.
Grimm, Lafe, Decatur, and H. J. Moyer, Berne, Ind. Luminous signaling float. 2,517,479, Aug. 1.
Grimm, Oskar: *See*—
Muller, Willy, and Grimm.
Grimmeisen, Herman O., assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Housing and locking means therefor. 2,528,691, Nov. 7.
Grimmel, Harry W.: *See*—
Morgan, Jack F., and Grimmel.
Grimmel, Harry W., Easton, and A. Guenther, Riegelsville, Pa., assignors to General Aniline & Film Corporation, New York, N. Y. Production of benzamidocyclohexane. 2,508,860, May 23.
Grimmel, Harry W., Easton, and A. Guenther, Riegelsville, Pa., assignors to General Aniline & Film Corporation, New York, N. Y. Production of nicotinanilide. 2,509,594, May 30.
Grimmel, Harry W., Riegelsville, and A. Guenther, Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y. 1,3-diphenylimidazolidine and certain derivatives thereof used as acid fading inhibitors. 2,525,898, Oct. 17.
Grimmel, Harry W., Riegelsville, Pa., and J. F. Morgan, Phillipsburg, N. J., assignors to General Aniline & Film Corporation, New York, N. Y. Acid fading inhibition using N-benzylated amino-triazoles and -tetrazoles. 2,529,016, Nov. 7.
Grimmel, Harry W., Riegelsville, and A. Guenther, Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y. Acid-fading inhibition using certain 1,4-diaryl piperazines. 2,529,935, Nov. 14.
Grimmel, Harry W., Riegelsville, Pa., and J. F. Morgan, Phillipsburg, N. J., assignors to General Aniline & Film Corporation, New York, N. Y. Coppered azo dye. 2,534,197, Dec. 12.
Grimwood, Margaret V., administratrix: *See*—
Lombard, Adrian A., and Gourlay.
Grinage, Claude M.: *See*—
Bullard, Edward P., III, Baudis, and Grinage.
Grindall, William H.: *See*—
Miller, Robert N., and Grindall.
Grinde, George, assignor to Phillips Manufacturing Company, Inc., Minneapolis, Minn. Immersion-type heater. 2,508,512, May 23.
Grindrod, George, Oconomowoc, Wis. Process and apparatus for cooling milk and other liquids. 2,511,582, June 13.
Grindstaff, Ray A., Spokane, Wash. Rabbit feeder. 2,505,396, Apr. 25.
Griner, Leslie J., Detroit, Mich., assignor to Alico, Incorporated, West Springfield, Mass. Attachment for newspaper press inking roller shafts. 2,513,643, July 4.
Grinnell Corporation, assignee: *See*—
Loepsinger, Albert J.
Welshman, James R.
Williams, James H.
Grinnell, George G., Quincy, Mass. Foldable tray blank and tray. 2,532,808, Dec. 5.
Grip, Erik K., assignor to Aktiebolaget Facit, Atvidaberg, Sweden. Differential gear tens transfer device. 2,503,332, Apr. 11.
Grip Nut Company, assignee: *See*—
Kass, Lawrence W.
Kass, Lawrence W., and Henrickson.
Mitchell, William F.
Tripp, Chester D.
Grisbaum, Leonard D.: *See*—
Pearce, Edwin S., and Grisbaum.
Griscer Industries: *See*—
Harding, Donald D.
Griscom-Russell Company, The, assignee: *See*—
Bruegger, Ernest.
Grisdale, George W., Jr., Ephrata, Pa., assignor, by mesne assignments, to The Sperry Corporation, New York, N. Y. Protective mounting for coacting stationary and rotating members. 2,525,795, Oct. 17.

Grisé, Alfred L., Springfield, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Automatic safety shutoff valve for hose nozzles. 2,529,936, Nov. 24.

Grisé, Alfred L., Springfield, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Compensating means for displacement meters. 2,531,620, Nov. 28.

Griss, Charles H., Perrysburg, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Apparatus for engraving glass. 2,504,831, Apr. 18.

Grissinger, Daniel D., Wellington, assignor to Cleveland Steel Products Corporation, Cleveland, Ohio. Flasher type traffic signal. 2,495,098, Jan. 17.

Grissinger, George G., Wilkinsburg, J. Sandin, Forest Hills, and T. Lindstrom, Edgewood, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Shockproof circuit interrupter. 2,534,906, Dec. 19.

Grissinger, Joseph F.: *See*—
Hershey, Abram E., and Grissinger.

Grisso, Archa D., Fort Worth, Tex. Corn knife. 2,534,666, Dec. 19.

Griswold, Donald G., assignor to Clayton Manufacturing Company, Alhambra, Calif. Fluid pressure operated valve. 2,495,324, Jan. 24.

Griswold, Donald G., assignor to Clayton Manufacturing Company, Alhambra, Calif. Vacuum breaker valve. 2,511,435, June 13.

Griswold, Gale.: *See*—
Kress, Ralph, and Griswold.

Griswold, Laurence V., Cedar Rapids, Iowa. Foldable frame for trampolines, beds, or the like. 2,534,019, Dec. 12.

Griswold, Owen H., Santa Monica, assignor to W. M. Noe, Los Angeles, Calif. Safety belt buckle. 2,513,169, June 27.

Griswold, Owen H., Santa Monica, Calif., assignor to Air Associates, Incorporated, Teterboro, N. J. Safety belt buckle. 2,517,424, Aug. 1.

Griswold, Stanley M., Newton, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Apparatus for forming ribbed strips for insoles. 2,523,467, Sept. 26.

Grither, Valentine J., St. Louis, Mo. Rolling toy. 2,525,488, Oct. 10.

Grivet, Pierre, Paris, France, assignor to Compagnie Generale de Telegraphie sans Fil. Electron microscope provided with a projecting mirror. 2,502,146, Mar. 28.

Grivet, Pierre, Paris, France, assignor to Compagnie Generale de Telegraphie sans Fil. High-tension electrostatic electron lens. 2,533,790, Dec. 12.

Grivna, Joseph J., Minneapolis, Minn. Collet chuck. 2,502,216, Mar. 28.

Groat, Francis P., assignor to The Magee Carpet Company, Bloomsburg, Pa. Weaving pile fabrics. 2,532,903, Dec. 5.

Groat, Lester S., Omaha, Nebr. Christmas tree support. 2,534,349, Dec. 19.

Grob, Oskar, and H. Locher, assignors to Zellweger A. G. Apparate-und Maschinenfabriken Uster, Uster, Switzerland. Apparatus for gauging textiles, particularly yarns and sliver. 2,516,768, July 25.

Grobey, Paul A.: *See*—
Arms, Merton H., and Grobey.
Arms, Merton H., Grobey, and Day.

Grobowski, Benny T., assignor to The E. T. Rugg Company, Newark, Ohio. Knockdown type lawn mower handle assembly. 2,511,160, June 13.

Grobowski, Benny T., assignor to The E. T. Rugg Company, Newark, Ohio. Lawn mower. 2,513,310, July 4.

Grobowski, Benny T., assignor to The E. T. Rugg Company, Newark, Ohio. Lawn mower. 2,513,311, July 4.

Grobowski, Benny T., Newark, and J. P. Arndt, Malta, assignors to The E. T. Rugg Company, Newark, Ohio. Lawn mower. 2,513,309, July 4.

Grodde, Arthur W., Ottawa, Ontario, Canada. Pot cover holder and drip catcher. 2,506,211, May 2.

Groebe, Harold F., Los Angeles, assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif. Power boosted master brake cylinder in which booster fluid is applied upon movement of the cylinder. 2,524,012, Sept. 26.

Groebe, John L., Phillips, Tex., assignor to Phillips Petroleum Company. Automatic control of catalyst promoter in a hydrocarbon conversion process. 2,518,307, Aug. 8.

Groebe, John L., Phillips, Tex., and E. F. de Villafranca, Bartlesville, Okla., assignors to Phillips Petroleum Company. Removing aluminum halides in hydrocarbon conversion processes. 2,535,735, Dec. 26.

Groeber, Otto W., and W. McCord, Louisville, Ky., assignors to Armour and Company, Chicago, Ill. Egg yolk and white separator. 2,533,365, Dec. 12.

Groeger, Alfred H., New Hyde Park, assignor to Kason Hardware Corporation, Brooklyn, N. Y. Sliding door lock. 2,530,330, Nov. 14.

Groene, William F., H. J. Siekmann, and W. R. Meyer, assignors to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Hydraulic feed and control mechanism. 2,525,127, Oct. 10.

Groenenberg, Maarten J., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Indicating device. 2,533,791, Dec. 12.

Groesbeck, Frank H., Ilion, and H. A. Stewart, assignors to Savage Arms Corporation, Utica, N. Y. Flexible hinge. 2,526,129, Oct. 17.

Groff, Frazier, Plainfield, N. J., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Polyvinyl partial acetal composition and making the same. 2,533,314, Dec. 12.

Groff, Inez M., Mishawaka, Ind. Thread stitch ripping device. 2,533,105, Dec. 5.

Grogan, Dorothy A.: *See*—
Grogan, Jerome F. and D. A.

Grogan, Jerome F. and D. A., Long Beach, Calif. Diaper protector. 2,505,891, May 2.

Grogan, John E., West Hartford, Conn. Grinding machine. 2,526,350, Oct. 17.

Groh, Ambrose W., Cincinnati, Ohio. Amusement device. 2,524,906, Oct. 10.

Grohs, John W., Torrington, Conn. Ice fishing tipup. 2,496,090, Jan. 31.

Grohsgal, Alexis C., New York, assignor to Cable Electric Products, Inc, Brooklyn, N. Y. Multiunit electrical outlet construction. 2,506,212, May 2.

Grom, Edward, Los Angeles, Calif. Food preservation. 2,509,299, May 30.

Grönberg, John H. P., Filipstad, Sweden. Fire hydrant. 2,515,770, July 18.

Grondahl, Lars O., Pittsburgh, and P. N. Bossart, Cheswick, assignors to The Union Switch and Signal Company, Swissvale, Pa. Providing emergency break-in operation in communication systems. 2,503,727, Apr. 11.

Gronemeyer, Erich, Pompton Plains, and S. Cherba, Totowa, N. J. Container closure. 2,526,225, Oct. 17.

Gronemeyer, Erich, Pompton Plains, and S. Cherba, Totowa, N. J. Dispensing attachment for liquid container neck, having a reciprocable measuring trap combined with a dispensing valve. 2,530,012, Nov. 14.

Gronros, Warren: *See*—
Gee, Richard C., and Gronros.

Gronros, Warren, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Grid electrode and manufacture. 2,507,709, May 16.

Gronros, Warren, Basking Ridge, and E. A. Veazie, Summit, N. J., assignors to Bell Telephone Laboratories Incorporated, New York, N. Y. Electron discharge device unit mounting. 2,518,308, Aug. 8.

Groody, Albert E., Brooklyn, N. Y. Automatic closure for collapsible tubes. 2,493,814, Jan. 10.

Groom, Max M., Perry, Okla. Bicycle stabilizing attachment. 2,535,283, Dec. 26.

Groombridge, Walter H., Spondon, near Derby, England, assignor to Celanese Corporation of America. Conversion of methyl formate to acetic acid. 2,508,513, May 23.

Groome, Warren K., Rutherford, N. J. Instrument for drawing ellipses. 2,504,832, Apr. 18.

Gropper, Otto S., Woodside, N. Y. License plate apparatus. 2,508,671, May 23.

Grosbois, Lucien, Lyon, assignor to Societe Nouvelle des Anciens Etablissements Wenger, and Etablissements Vidus-Huet & Cie, Paris, France. Filling head for bottle filling machine having valve for controlling air displacement. 2,501,511, Mar. 21.

Grosboll, Lorin E., assignor to Mueller Co., Decatur, Ill. Valve. 2,497,448, Feb. 14.

Grosdoff, Igor E., Princeton, N. J., assignor to Radio Corporation of America. Electronic time measuring device. 2,493,627, Jan. 3.

Grosdoff, Igor E., Princeton, N. J., assignor to Radio Corporation of America. Device for integrating a variable quantity. 2,496,912, Feb. 7.

Grosdoff, Igor E., Princeton, N. J., assignor to Radio Corporation of America. Control system. 2,519,184, Aug. 15.

Grosdoff, Igor E., Princeton, N. J., assignor to Radio Corporation of America. Computing system. 2,521,787, Sept. 12.

Grosdoff, Igor E., Princeton, N. J., assignor to Radio Corporation of America. Electronic counter. 2,521,788, Sept. 12.

Grosdoff, Igor E., Princeton, N. J., assignor to Radio Corporation of America. Frequency control by electronic counter chains. 2,521,789, Sept. 12.

Grosh, Gerald G., Fort Wayne, Ind., assignor to General Electric Company. Mounting for vibrating machinery. 2,505,959, May 2.

Grosjean, Wilbur V., Omaha, Nebr., assignor to The Union Switch and Signal Company, Swissvale, Pa. Signaling system for single-track railroads. 2,503,728, Apr. 11.

Grosjean, Wilbur V., Omaha, Nebr., assignor to The Union Switch and Signal Company, Swissvale, Pa. Supplemental signaling system for special railway vehicles. 2,528,052, Oct. 31.

Gross, Angus Roy, Jr., Baltimore, Md. Marine toilet. 2,501,510, Mar. 21.

Gross, Bernard, San Diego, assignor to Rohr Aircraft Corporation, Chula Vista, Calif. Sealing compositions and making same. 2,494,336, Jan. 10.

Gross, Charles J., Melrose, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Trigger control device. 2,499,497, Mar. 7.

Gross, Donald A., San Antonio, Tex. Lamp. 2,510,819, June 6.

Gross, Frank, Hutchinson, Minn. Pickup device for corncobs and the like. 2,520,764, Aug. 29.

Gross, Frederick B.: *See*—
Maxson, Lisle J., and Gross.
Gross, Fritz A.: *See*—
Hall, William M., Gross.
Gross, Fritz A., Weston, assignor to Raytheon Manufacturing Company, Newton, Mass. Wind velocity indicator. 2,514,948, July 11.
Gross, Fritz A., Weston, assignor to Raytheon Manufacturing Company, Newton, Mass. Cooking apparatus. 2,526,226, Oct. 17.
Gross, Harry E., Lorain, Ohio, assignor to National Tube Company. Tandem rotary expanding mill. 2,528,651 Nov. 7.
Gross, Henry and S., East Finchley, London, England. Key operated actuator mechanism for cash registers. 2,509,637, May 30.
Gross, Henry E., Chicago, Ill. Portable marine foundation. 2,496,532. Feb. 7.
Gross, Henry R., Chicago, Ill. Lamp mounting. 2,504,327, Apr. 18.
Gross, Henry R., Chicago, Ill. Farm light. 2,508,063, May 16.
Gross, Henry R., Chicago, Ill. Switch connector for spotlights. 2,521,971, Sept. 12.
Gross, Herbert L., Parkton, Md. Fishing kite. 2,502,944, Apr. 4.
Gross, J. Arthur, assignee: *See*—
Snyder, Leland H., and Yost.
Gross, James J., Bismarck, Ill. Combination laundry and service wagon. 2,518,309, Aug. 8.
Gross, John W., Hartford, Conn., assignor to Remington Rand Inc., Buffalo, N. Y. Card index. 2,505,892, May 2.
Gross, Leo, Bayside, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Testing system for cathode-ray telephone switching apparatus. 2,523,365, Sept. 26.
Gross, Milton H., Berkeley, Calif., assignor to the United States of America as represented by the Secretary of War. Automatic tracking and/or ranging. 2,508,384, May 23.
Gross, Oswald M., Detroit, Mich. Sliding jaw end wrench. 2,509,493, May 30.
Gross, Samuel: *See*—
Gross, Henry and S.
Gross, Siegfried T., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Electron diffraction apparatus. 2,506,080, May 2.
Gross, Siegfried T., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Color film for normally invisible radiations. 2,509,766, May 30.
Gross, Thomas A. O., Cambridge, and K. A. Young, Waban, assignors to Raytheon Manufacturing Company, Newton, Mass. Transceiver for multichannel radio communication systems. 2,505,670, Apr. 25.
Gross, Walter D., Wyandotte, Mich., assignor to Sharples Chemicals Inc., Philadelphia, Pa. Manufacture of 3-dialkylamino-2-hydroxypropyl amines. 2,520,093, Aug. 22.
Gross, William F.: *See*—
Blair, Charles M., Jr., and Gross.
Grossberg Manufacturing Corporation, assignee: *See*—
Smalls, Kermit O.
Grosse, Aristid V.: *See*—
Snyder, John C., and Grosse.
Grosse, Aristid V., New York, N. Y. Treatment of uranium chlorides. 2,533,315, Dec. 12.
Grosse, Aristid V., New York, N. Y. Handling of uranium hexafluoride in vessels of glass and silica. 2,533,316, Dec. 12.
Grosse, Aristid V., Haverford, and J. C. Snyder, Darlington, Pa., assignors to Houdry Process Corporation, Wilmington, Del. Methanol production. 2,492,983, Jan. 3.
Grosse, Aristid V., Haverford, and J. C. Snyder, Darlington, Pa., assignors to Houdry Process Corporation, Wilmington, Del. Organic reactions. 2,492,984, Jan. 3.
Grosse, Aristid V., Haverford, and J. C. Snyder, Darlington, Pa., assignors to Houdry Process Corporation, Wilmington, Del. Oxidation of hydrocarbons in the presence of liquid catalytic films. 2,492,985, Jan. 3.
Grosse, Frank: *See*—
Barnes, Alfred H., and Grosse.
Grosser, John, Cleveland, Ohio. Clothesline hanger bracket. 2,518,774, Aug. 15.
Grosshans, George, assignee: *See*—
Moses, Derwin E., and Grosshans.
Grossman, Darwin B.: *See*—
Conviser, Albert A., and Grossman.
Grossman, John S., Los Angeles, Calif. Bolt type fastener. 2,527,413, Oct. 24.
Grossman Music Company, assignee: *See*—
Thompson, Josephus.
Grossmann, Paul, Binningen, and W. Kern, Sissach, Switzerland, assignors to Ciba Limited. Mixture of insoluble amino-anthraquinone dyes. 2,506,020, May 2.
Grossmann, Paul, Binningen, and W. Kern, Sissach, assignors to Ciba Limited, Basel, Switzerland. 1-hydroxy-8-acylamino anthraquinone dyestuffs. 2,522,034, Sept. 12.
Grossniklaus, Alice J., Wilmot, Ohio. Combination mantel, aquarium, and fountain. 2,503,945, Apr. 11.
Grosso, Patrick P., Brooklyn, N. Y. Adjustable-angle surgical instrument. 2,507,710, May 16.
Grosvenor, Oliver, Morrison, assignor to Libby, McNeill & Libby, Chicago, Ill. Conveyer apparatus. 2,515,404, July 18.
Grosvenor, Woodward, & Company Limited, assignee: *See*—
Lockley, John F.
Groszmann, José, Barcelona, Spain. Device for forming looped mesh fabrics. 2,501,045, Mar. 21.
Grote, Henry W., Downers Grove, assignor to Universal Oil Products Company, Chicago, Ill. Process and apparatus for fluidized catalyst regeneration. 2,494,614, Jan. 17.
Grote, Irvine W., and J. M. Holbert, assignors to The Chattanooga Medicine Company, Chattanooga, Tenn. Dichloro aluminum aminoacetate hydrate deodorant composition. 2,508,787, May 23.
Grote, Irvine W., and J. W. Le Maistre, assignors to The Chattanooga Medicine Company, Chattanooga, Tenn. Theophylline-monoaminobenzoic acid-alkali metal hydroxide reaction product. 2,519,450, Aug. 22.
Groten, Frank J., Upper Montclair, N. J., and W. J. Nanfeldt, New Castle, Ind., assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Splicing thermoplastic monofilaments. 2,514,197, July 4.
Grothouse, Frank T., South Euclid, Ohio, assignor to General Electric Company. Electrical seating apparatus. 2,502,147, Mar. 28.
Grothouse, Frank T., South Euclid, Ohio, assignor to General Electric Company. Radiant panel heating appliance. 2,502,148, Mar. 28.
Grotz, Anthony N., Chicago, Ill. Garden hose holder. 2,530,873, Nov. 21.
Grounds, John, Valentine, Ariz. Barbed-wire reeling device. 2,507,903, May 16.
Groupement Francais pour le Developpement des Recherches Aeronautiques, assignee: *See*—
Idrac, Jean.
Grove, Howard G., Los Angeles, assignor of one-half to Mobile Communication Company, Long Beach, and one-half to West Coast Electronics Company, Los Angeles, Calif. Communication system. 2,495,452, Jan. 24.
Grove, Marvin H., Piedmont, Calif., assignor to Fluid Control Engineering Co. Fluid flow control device. 2,511,844, June 20.
Grove Regulator Company, assignee: *See*—
Annin, Douglas H.
Bryant, Austin U.
Grover, Anthony P.: *See*—
Winegar, Edmund M., and Grover.
Grover, Donald P., Chicago, Ill. Rotary toothbrush with lip guard. 2,533,106, Dec. 5.
Grover, Donald P., Chicago, Ill. Rotary toothbrush with movable lip guard. 2,533,107, Dec. 5.
Grover, Donald P., Chicago, Ill. Rotary toothbrush with lip guard. 2,533,108, Dec. 5.
Grover, Harle B., Arlington, Va. Surgical cutting instrument. 2,521,161, Sept. 5.
Grover, Lyndon V., Los Angeles, Calif. Quick disconnect socket. 2,494,755, Jan. 17.
Grover, Lyndon V., Los Angeles, Calif. Cut film holder for cameras. 2,513,560, July 4.
Groves, Clifton C., Mexico, Mo. Barbed-wire reel for tractors. 2,527,634, Oct. 31.
Grow, Harlow B., Linden, Mo. Mechanical kaleidoscope. 2,494,239, Jan. 10.
Grow, Harlow B., Linden, Mo. Musical instrument. 2,509,429, May 30.
Grow, Joseph A., Jr., assignor, by mesne assignments, to M. L. J. Lambert, doing business as Crystal-Flo Products Company, St. Louis Mo. Liquid dispensing apparatus for carbonated beverages. 2,527,927, Oct. 31.
Grube, John H., Pasadena, Calif., assignor by mesne assignments, to Overniter Manufacturing Corporation. Vehicle draft hitch. 2,513,932, July 4.
Grube, Kenneth R., Columbus, Ohio, assignor, by mesne assignments, to Eastern Clay Products, Inc., Indiana, Pa. Foundry composition and method. 2,510,220, June 6.
Grubelic, Nicholas, Williston Park, N. Y. Mixing device. 2,526,351, Oct. 17.
Gruber, Abe, New York, N. Y. Corset. 2,512,895, June 27.
Gruber, Wilhelm B., Portland, Oreg. Stereoscopic viewer. 2,511,334, June 13.
Gruber, Wilhelm B., assignor to Western Photo Supply Co., Portland, Oreg. Optical projection system in a stereoscopic projector. 2,525,598, Oct. 10.
Gruden, John, Bergenfield, N. J. Foldable calendar blank. 2,493,134, Jan. 3.
Gruen, Alex, West Orange, and J. D. Kirwan, Bloomfield, N. J. Tailstock for lathes. 2,507,155, May 9.
Gruen, Robert, New York, N. Y., assignor to The Parker Pen Company, Janesville, Wis. Pen desk set. 2,503,043. Apr. 4.
Gruender, Oscar C., assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Reduction by attrition. 2,509,919, May 30.
Gruender, Oscar C., assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Feeding device for gyratory crushers. 2,509,920, May 30.
Gruendler Crusher & Pulverizer Co., assignee: *See*—
Shelton, Harry J.

Gruendler Crusher and Pulverizer Company, assignee: *See*—
Freeman, Leo.
Gruenhagen, Richard H.: *See*—
Moyle, Clarence L., and Gruenhagen.
Gruenwald, Louis A., Long Island City, N. Y. Lamination. 2,509,494, May 30.
Gruetjen, Frederick A., assignor to A. O. Smith Corporation, Milwaukee, Wis. Apparatus for heat-treating propellers and the like. 2,493,135, Jan. 3.
Gruetjen, Frederick A., assignor to A. O. Smith Corporation, Milwaukee, Wis. Balance assembly for propeller blades. 2,494,756, Jan. 17.
Gruetjen, Frederick A., assignor to A. O. Smith Corporation, Milwaukee, Wis. Balance weight positioner. 2,532,225, Nov. 28.
Gruetjen, Frederick A., assignor to A. O. Smith Corporation, Milwaukee, Wis. Propeller blade with a tubular backbone. 2,535,917, Dec. 26.
Gruetjen, Frederick A., assignor to A. O. Smith Corporation, Milwaukee, Wis. Rotary crank-driven intermittent grip. 2,535,918, Dec. 26.
Gruff, Alexis: *See*—
Hoffman, Julian, and Gruff.
Grumbache, Edward S., Paris, Ill., assignor to Electrographic Corporation, New York, N. Y. Truck body stake. 2,525,542, Oct. 10.
Grumblatt, Victor J., Erie, Pa., assignor to General Electric Company. Overload limiting device. 2,497,668, Feb. 14.
Grumel, Henri, Paris, France, assignor to Societe Francaise Radio Electrique. High-frequency surface hardening. 2,512,718, June 27.
Grumel, Henri, Paris, France, assignor to Societe Francaise Radio Electrique. Arrangement of electronic discharge tube equipment for the thermal treatment of metals by high-frequency currents. 2,517,425, Aug. 1.
Grumel, Henri, Paris, France, assignor to Societe Francaise Radio-Electrique. Symmetrical neutralized mounting of amplifiers of large power for short waves. 2,520,765, Aug. 29.
Grumman Aircraft Engineering Corporation, assignee: *See*—
Schwendler, William T., and Erlandsen.
Grundin, Ivan W.: *See*—
Claesson, Per H. E., and Grundin.
Grundmann, Gustave L., Westmont, N. J., assignor to Radio Corporation of America. Mechanism for forming coils. 2,496,913, Feb. 7.
Grundmann, Gustave L., Westmont, N. J., assignor to Radio Corporation of America. Schmidt television projection system. 2,531,509, Nov. 28.
Grundon, John L., Des Moines, Iowa. Friction clutch unit. 2,530,460, Nov. 21.
Grundstrom, Erik G., Chicago, Ill. Aluminum base alloy. 2,526,227, Oct. 17.
Gruner, Frederick R., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Delayed braking for electric motors. 2,503,438, Apr. 11.
Grunewald, August: *See*—
Krause, George A., and Grunewald.
Grunwald, Robert F., Washington, D. C. Method and apparatus for making comparative measurements on oscilloscopes. 2,524,790, Oct. 10.
Grunewald, Stanley C., Boston, Mass. Nontipping ink bottle holder. 2,501,675, Mar. 28.
Grunicke, Frederick M., Maspeth, and J. H. Rauschenbach, New York, N. Y. Multicontrol for mechanical musical instruments or the like. 2,494,656, Jan. 17.
Grunt, Max, Newark, N. J. Fitting for connecting tubes and pipes to tanks. 2,495,373, Jan. 24.
Grunwald, Edwin J., assignor to The Alumiline Corporation, Brooklyn, N. Y. Sash construction. 2,509,268, May 30.
Grunwald, Robert: *See*—
Harker, Ian W. M., and Grunwald.
Grupp, Edward L., Glendale, Calif. Electric fluid heater. 2,529,688, Nov. 14.
Gruska, Stanley P., Hibbing, Minn. Boat trailer. 2,494,509, Jan. 10.
Gruss, George A., Bridgeport, Conn. Hose supporting clasp. 2,505,181, Apr. 25.
Gruss, Lucien R., Middletown, Ohio. Landing gear mechanism. 2,503,869, Apr. 11.
Grüssner, André: *See*—
Schnider, Otto, and Grüssner.
Gruszecki, Frank, assignor of one-half to H. Rothenberg, Buffalo, N. Y. Electric welding torch. 2,503,729, Apr. 11.
Gruszecki, Frank, assignor of one-half to H. Rothenberg, Buffalo, N. Y. Weather strip installation tool. 2,533,367, Dec. 12.
Gruszecki, John, Chicago, Ill. Watercraft. 2,503,480, Apr. 11.
Grüter, Bernhard, Lucerne, assignor to Klar-Film A. G., Zurich, Switzerland. Liquid for treating motion-picture film. 2,517,201, Aug. 1.
Gruver, John H.: *See*—
Gollwitzer, Walter T., and Gruver.
Gruver, John H., East Cleveland, assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio. Plate handling mechanism for embossing machines. 2,498,038, Feb. 21.
Gruver, John H., East Cleveland, Ohio., assignor to Addressograph-Multigraph Corporation, Wilmington, Del. Record controlled embossing machine. 2,533,366, Dec. 12.
Grzelak, Joseph M., assignee: *See*—
Allington, George H., and Grzelak.
Grzelczyk, Edmund, Two Rivers, Wis. Vacuum cleaner roller. 2,523,823, Sept. 26.
Grzymkowski, Nicholas, assignee: *See*—
Healy, Thomas W.
Gschwind, Jean F., Mamaroneck, assignor to J. O. Ross Engineering Corporation, New York, N. Y. Heat-treating apparatus. 2,518,612, Aug. 15.
Guadino, Orlando A., United States Army, Butler, Pa. Coaster. 2,496,157, Jan. 31.
Guagliano, Pasquale, Mill Valley, Calif. Liquid cement brush wiper. 2,498,266, Feb. 21.
Guanella, Gustav, Zurich, Switzerland, assignor to Radio Patents Corporation, New York, N. Y. Frequency conversion. 2,505,043, Apr. 25.
Guanella, Gustav, Zurich, Switzerland, assignor to Radio Patents Corporation, New York, N. Y. Device for intercoupling single-ended and double-ended circuits. 2,509,057, May 23.
Guanella, Gustav, Zurich, Switzerland, assignor to Radio Patents Corporation, New York, N. Y. Scrambling speech signals. 2,510,338, June 6.
Guanella, Gustav, Zurich, Switzerland, assignor to Radio Patents Corporation, New York, N. Y. Radio distance measuring system. 2,522,367, Sept. 12.
Guanella, Gustav, Zurich, Switzerland, assignor to Radio Patents Corporation, New York, N. Y. Angular velocity modulation system. 2,522,368, Sept. 12.
Guanella, Gustav, Zurich, Switzerland, assignor to Radio Patents Corporation, New York, N. Y. Selective frequency translating system. 2,522,369, Sept. 12.
Guanella, Gustav, Zurich, Switzerland, assignor to Radio Patents Corporation, New York, N. Y. High-frequency coupling device. 2,522,370, Sept. 12.
Guanella, Gustav, Zurich, and P. Güttinger, Wettingen, Switzerland, assignors to Radio Patents Corporation, New York, N. Y. Method and arrangement for converting time-modulated pulses into amplitude-modulated pulses. 2,508,672, May 23.
Guanella, Gustav, and W. Steinmann, Zurich, Switzerland, assignors to Radio Patents Corporation, New York, N. Y. Radio beacon system. 2,515,344, July 18.
Guanella, Gustav, and W. Steinmann, Zurich, Switzerland, assignors to Radio Patents Corporation, New York, N. Y. Automatic frequency stabilization system. 2,522,371, Sept. 12.
Guarantee Specialty Manufacturing Company, The, assignee: *See*—
Chatfield, Henry B.
Wright, Richard H., and Haight.
Guaranteed Buff Co., Inc., assignee: *See*—
Bahr, Henry H.
Guaranty Investment Corporation, Limited, assignee: *See*—
Udy, Marvin J.
Guard, Edward J., Baltimore, Md. Beverage bucket. 2,501,772, Mar. 28.
Guardian Electric Manufacturing Co., assignee: *See*—
Nelsen, Marvin G., and Acker.
Nelsen, Marvin G., and Obszarny.
Guard-It Manufacturing Co., assignee: *See*—
Malme, Elmer K.
Guardite Corporation, assignee: *See*—
Heineman, Arnold H.
Guarnaschelli, Stephen, assignor to The Brockway Company, Naugatuck, Conn. Apparatus for making flexible metal hose. 2,496,790, Feb. 7.
Guarnaschelli, Stephen, assignor to The Brockway Company, Naugatuck, Conn. Steam connection between railway cars. 2,511,335, June 13.
Guarnaschelli, Stephen, assignor to The Brockway Company, Naugatuck, Conn. Self-flaring pipe coupling. 2,534,198, Dec. 12.
Guarnaschelli, Stephen, assignor to The Brockway Company, Naugatuck, Conn. Threadless tube coupling. 2,534,199, Dec. 12.
Guarnieri, Nunzio, New Orleans, La. Wrist watch spring bar. 2,510,695, June 6.
Guay, Leopold J., Flushing, N. Y. Elevator control system. 2,532,809, Dec. 5.
Gubelmann, Ivan, assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Brominating p-toluyl benzoic acid. 2,534,131, Dec. 26.
Gubin, Samuel, Philadelphia, Pa., assignor to Radio Corporation of America. Omnidirectional radio range. 2,513,477, July 4.
Gubing, Frank, Brooklyn, assignor to Circuit Breakers Corporation, New York, N. Y. Circuit breaker. 2,494,122, Jan. 10.
Gubler, Theodor, assignor to Sulzer Freres, Societe Anonyme, Winterthur, Switzerland. Turbomachine blading construction. 2,528,305, Oct. 31.
Gudmundsen, Austin: *See*—
McCulloch, Robert P., and Gudmundsen.
Guedon, Emile C., Audubon, N. J. Phonograph spindle. 2,514,949, July 11.

Guelph, John D., Paterson, N. J., assignor to A. R. L. Corporation, New York, N. Y. Centering and clamping a flask in position in centrifugal casting machines. 2,515,216, July 18.
Guenther, Alfred: *See*—
Grimmel, Harry W., and Guenther.
Guenther, Rudolph H., Chicago, Ill. Ventilator. 2,523,620, Sept. 26.
Guentner, Robert L.: *See*—
Davis, Charles P., Jr., Guentner, Wagner, and Vaughn.
Guentner, Robert L., Baltimore, and R. L. Wright, Severna Park, Md., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. X-ray stereoshift mechanism. 2,518,884, Aug. 15.
Guenzl, Herbert F., Merrill, Wis. Tent pole lock. 2,512,099, June 20.
Guerchoux, Charles S., New Orleans, La. Combination incinerator and reclaimer. 2,517,202, Aug. 1.
Guercio, Joseph, assignor to W. Waltz, Chicago, Ill. Film advancer for still projectors. 2,497,765, Feb. 14.
Guercio, Joseph, assignor to W. Waltz, Chicago, Ill. Adjustable reflector support. 2,506,355, May 2.
Guercken, Nina K., executrix: *See*—
Kadenacy, Michel.
Guérillot, Pierre J., Belleville, assignor to Societe pour le Decoupage de La Cellophane & de Toutes Matieres Similaires (S. O. D. E. C.), Paris, France. Cellulosic dressing. 2,495,893, Jan. 31.
Guerin, George V., Jr.: *See*—
Loeffler, Henry S., and Guerin.
Guerin, Henry, Elberon, N. J. Combined lathe tool holder and work stabilizer. 2,493,286, Jan. 3.
Guernsey, Charles O., assignor to Marmon-Herrington Company, Inc., Indianapolis, Ind. Vehicle body structure. 2,502,320, Mar. 28.
Guerra, John, New Haven, Conn. Escutcheon plate for locks. 2,503,044, Apr. 4.
Guest, Ernest F., Bromley, assignor to H. J. Enthoven & Sons Limited, London, England. Device for storing and dispensing material in filament form, such as metal or alloy wire, string or the like. 2,514,542, July 11.
Guggenheim, Daniel and Florence, Foundation, The, assignee: *See*—
Goddard, Robert H.
Guggenheim Foundation, The Daniel and Florence, assignee: *See*—
Goddard, Robert H. (deceased).
Guggenheim, Max M., assignor to National Equipment Corporation, New York, N. Y. Cooker. 2,530,519, Nov. 21.
Guggenheim, Max M., assignor to National Equipment Corporation, New York, N. Y. Conveying device. 2,534,667, Dec. 19.
Guggisberg, Basil A., and J. S. Kuslich, St. Paul, Minn. Splash guard for shoes. 2,517,305, Aug. 1.
Gugino, Samuel, Hampton, Va. Tie stay. 2,501,046, Mar. 21.
Guibert Steel Company, assignee: *See*—
Huttinger, Walter G.
Seaberg, John E.
Guibor, Harry, Woodland, Calif. Scraper. 2,502,217, Mar. 28.
Guidoscope Corporation, The, assignee: *See*—
Stephens, Marion F.
Guignabert, Joseph P., Thiers, France. Combined tool. 2,494,089, Jan. 10.
Guilbert, Frank N., Jersey City, assignor to Autographic Register Company, Hoboken, N. J. Printing and punching continuous webs. 2,522,784, Sept. 19.
Guilbert, Inc., assignee: *See*—
Guilbert, Nicholas R., Jr., and Arbogast.
Guilbert, Nicholas R., Jr., Chestnut Hill, Pa. Collapsible safety gate. 2,493,815, Jan. 10.
Guilbert, Nicholas R., Jr., Chestnut Hill, Pa., and G. J. Arbogast, Maple Shade, N. J., assignors to Guilbert, Inc., Philadelphia, Pa. Operating means for sliding elevator doors. 2,497,080, Feb. 14.
Guild Industries, Inc., assignee: *See*—
Goldblatt, Maurice A. and P.
Guild, Thomas A., Waipahu, T. H. Cane harvesting machine. 2,532,904, Dec. 5.
Guiler, Cameron, and A. Kalenian, Westboro, Mass. Connector. 2,520,501, Aug. 29.
Guillaume, André, and A. Thibaudat, Seine, assignors to Forges et Ateliers de Constructions Electriques de Jeumont, Paris, France. Circuit breaker. 2,507,971, May 16.
Guillemin, Victor, Jr., Dayton, Ohio. Bicycle ergometer. 2,510,973, June 13.
Guillemin, Victor, Jr., Oak Park, Ill. Thermocouple connector. 2,518,464, Aug. 15.
Guillet, James E.: *See*—
Coover, Harry W., Guillet, and Dickey.
Guillow, Paul K., Wakefield, Mass. Model airplane structure. 2,505,541, Apr. 25.
Guimont, Nelson J., Chicago, Ill. Door operating mechanism. 2,501,897, Mar. 28.
Guinard, George Z., South Hadley Falls, Mass. Window sash fastener. 2,495,930, Jan. 31.
Guiñez, Antonio, assignor of forty per cent to J. Blasig, New York, N. Y. Beam compass. 2,534,440, Dec. 19.
Guinot, Henri M., Versailles, assignor to Les Usines de Melle (Societe Anonyme), Saint-Leger-les-Melle, France. Cyclic ether peroxide catalysts in the polymerization of conjugated diolefins. 2,496,390, Feb. 7.
Guinot, Henri M., Versailles, assignor to Les Usines de Melle (Société Anonyme), Saint-Léger-les-Melle, France. Purification of ether. 2,497,601, Feb. 14.
Guise, Arthur B., and T. W. Johnson, assignors to Ansul Chemical Company, Marinette, Wis. Portable hand fire extinguisher. 2,531,123, Nov. 21.
Gulden, Ernest V., Oakwood, assignor to The National Cash Register Company, Dayton, Ohio. Electronic counting ring. 2,515,448, July 18.
Gulf Oil Corporation, assignee: *See*—
Bonnell, William S.
Cornell, Paul W.
Ostergaard, Povl.
Pellettere, Joseph A.
Price, Robert E.
Smith, Herschel G.
Smith, Herschel G., and Cantrell.
Smith, Herschel G., Cantrell, and Peters.
Smith, Herschel G., Hill, and Cantrell.
Gulf Research & Development Company, assignee: *See*—
Bowman, John R.
Bowman, John R., and Ridenour.
Coggeshall, Norman D.
Exline, Paul G., and Aikins.
Fawcett, Jack S.
Gwynn, Bernard H., and Montgomery.
Horne, William A., and Jungé.
Humphrey, Earl L., and Mitchell.
Marusov, Nicholas.
Montgomery, Charles W., Gilbert, and Kline.
Muffly, Gary.
Muskat, Morris, Parker, and Kehl.
Offutt, William C.
Offutt, William C., Fogle, and Helwig.
Pardee, William A., and Elliott.
Riethof, George, Montgomery, and Brown, Jr.
Rocchini, Albert G., and Neely.
Stevens, Donald R.
Stevens, Donald R., and Dubbs.
Stevens, Donald R., and Starnes.
Stevens, Donald R., and Whitaker.
Topanelian, Edward, Jr.
Trautman, Charles E.
Whitaker, Arthur C., and Weinrich.
Wyckoff, Ralph D.
Wyckoff, Ralph D., Fitzwilliam, and Salvetti.
Gull, Adolphe E., London, England. Power transmission mechanism. 2,512,272, June 20.
Gull, Roy A.: *See*—
Cole, Dana W., Gull, Pontius and Rug.
Gull, Roy A., Kenmore, assignor to Colonial Radio Corporation, Buffalo, N. Y. Signal-seeking receiver. 2,499,857, Mar. 7.
Gull, Roy A., Kenmore, assignor to Colonial Radio Corporation, Buffalo, N. Y. Signal-seeking receiver. 2,499,858, Mar. 7.
Gull, Roy A., Kenmore, assignor to Colonial Radio Corporation, Buffalo, N. Y. Signal-seeking receiver. 2,506,869, May 9.
Gulledge, Hugh C., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Titanated organo-siliconoxy compounds. 2,512,058, June 20.
Gullen, James J., assignor to Rochester Optical Manufacturing Co., Inc., Rochester, N.Y. Spectacle mounting. 2,530,959, Nov. 21.
Guller, Harold, Richmond Heights, assignor to Essex Manufacturing Company, St. Louis, Mo. Potentiometer. 2,494,998, Jan. 17.
Gulley, Newton S., Nashville, N. C. Foot operated boat propulsion means. 2,525,349, Oct. 10.
Gullixson, Harold R., Arlington, Va., assignor, by mesne assignments, to Ditto, Incorporated, Chicago, Ill. Moistening roller for duplicating machines. 2,530,388, Nov. 21.
Gulton Mfg. Corp., assignee: *See*—
Howatt, Glenn N.
Gumbel, Martin A., San Francisco, Calif. Chalk loading device. 2,511,845, June 20.
Gump, G. F., Co., assignee: *See*—
Williams, Ralph E.
Gump, Glen A., Canton, Ohio. Apparatus for installing and removing shutoff plugs in well pipes. 2,517,870, Aug. 8.
Gump, William S.: *See*—
Kunz, Eric C., and Gump.
Nikawitz, Edward J., and Gump.
Gump, William S., Upper Montclair, and E. J. Nikawitz, Passaic, N. J., assignors to The Givaudan Corporation. Chlorethyl dibenzyl quaternary ammonium compound. 2,504,977, Apr. 25.
Gump, William S., Upper Montclair, and E. J. Nikawitz, Passaic, N. J., assignors to The Givaudan Corporation, New York, N. Y. 2[2-N-benzyl-N-(β-chloroethyl) aminoethyl] pyridine and the acid salts thereof. 2,533,243, Dec. 12.
Gund, Russell A., Tulsa, Okla., assignor to Phillips Petroleum Company. Safety switch. 2,530,461, Nov. 21.
Gundersen, Andrew H., Plano, Ill. Time indicator and memorandum. 2,505,357, Apr. 25.

Gunderson, Carl G.: *See*—
McPherson, Floyd O., and Gunderson.

Gunderson, Lewis O., Park Ridge, assignor to Dearborn Chemical Company, Chicago, Ill. Prevention of foaming in steam generation. 2,493,453, Jan. 3.

Gunderson, Lewis O., Park Ridge, assignor to Dearborn Chemical Company, Chicago, Ill. Inhibiting foaming in steam boilers. 2,528,273, Oct. 31.

Gunderson, Lewis O., Park Ridge, assignor to Dearborn Chemical Company, Chicago, Ill. Amide composition. 2,528,274, Oct. 31.

Gunderson, Lewis O., Park Ridge, assignor to Dearborn Chemical Company, Chicago, Ill. Method of and composition for inhibiting foaming in steam boilers. 2,534,441, Dec. 19.

Gunderson, Norman R., Pasadena, Calif. Automatic inverse feedback method and means for correcting response characteristic of phototube circuits. 2,534,668, Dec. 19.

Gunderson, Ralph R., Chicago, Ill. Valve mechanism for power brakes. 2,498,108, Feb. 21.

Gunderson, Ralph R., Chicago, Ill. Power unit for brake systems. 2,502,378, Mar. 28.

Gunderson, Willard R., assignor to The Frito Company, Dallas, Tex. Clip. 2,532,020, Nov. 28.

Gunderson, Willard R., assignor to The Frito Company, Dallas, Tex. Support. 2,532,021, Nov. 28.

Gunderson, Willard R., assignor to The Frito Company, Dallas, Tex. Display support. 2,532,022, Nov. 28.

Gundlach, Helen F., Ebenezer, N. Y. Washable ruffled window curtain. 2,528,652, Nov. 7.

Gundlach, Theodore J., Jamaica, N. Y. Door switch for burglar alarm systems. 2,521,005, Sept. 5.

Gunlite, Inc., assignee: *See*—
Gendler, Lewis A.

Gunn, George F., and C. E. Logan, assignors to The Dow Chemical Company, Midland, Mich. Continuous casting. 2,503,819, Apr. 11.

Gunn, Lloyd W., Jr., Austin, Tex. Drawing pen. 2,507,005, May 9.

Gunn, Ross, and J. E. Dinger, Washington, D. C. Method of and apparatus for detecting defects in objects. 2,519,367, Aug. 22.

Gunn, Townsend M.: *See*—
Moorhead, John O., and Gunn.

Gunn, Townsend M., assignor to Metals and Controls Corporation, Attleboro, Mass. Thermostatic circuit breaker with contact arc prevention. 2,498,039, Feb. 21.

Gunness, Robert C., Flossmoor, assignor to Standard Oil Company, Chicago, Ill. Hydrocarbon synthesis. 2,533,666, Dec. 12.

Gunning, Alfred W., Battle Creek, assignor to Clark Equipment Company, Buchanan, Mich. Industrial truck. 2,514,052, July 4.

Gunning, Maximiliaan F., Petersfield, England, and R. C. Russell, Roslin, Scotland, said Russell assignor to said Gunning. Hydraulic apparatus embodying a plurality of selectively controlled cylinders. 2,518,613, Aug. 15.

Gunnison, Ivor E., Baraboo, Wis. Road spraying apparatus. 2,525,128, Oct. 10.

Gunser, John, Chicago, Ill. Fish hooking means. 2,524,224, Oct. 3.

Gunshor, George J., Island Park, N. Y. Knockdown chair. 2,509,638, May 30.

Gunston, David: *See*—
Dumbleton, Claude, and Gunston.

Gunter, Charles R., Norfolk, Va. Infant's dressing tray. 2,493,401, Jan. 3.

Gunther, James K., Decatur, Ind., and P. Bradford, Palos Heights, Ill., assignors, by mesne assignments, to Swift & Company, Chicago, Ill. Handling powdered material. 2,494,296, Jan. 10.

Gunther, James K., Decatur, Ind., and L. Sair, Evergreen Park, Ill., assignors to Central Soya Company, Inc., Fort Wayne, Ind. Concentrated fish press liquor. 2,525,294, Oct. 10.

Gunther, Robert C.: *See*—
Sargent, Donald E., and Gunther.
Schmidt, Willy A., and Gunther.

Gunther, Roland E., Oceanside, N. Y. Rotating cutting disk type lawn mower. 2,498,415, Feb. 21.

Gunther, Roland E., Oceanside, M. Kohn, New York, N. Y., and D. C. Stone, East Orange, N. J., assignors to Dehls & Stein, Inc. Reducing agent comprising glucosimin decomposition products and producing same. 2,500,147, Mar. 14.

Gurevsky, Leon, Fort Wayne, Ind. Multiway electric switch. 2,498,805, Feb. 28.

Gurewitsch, Anatole M., Schenectady, N. Y., assignor to General Electric Company. Apparatus for starting charged particle accelerators. 2,500,749, Feb. 14.

Gurewitsch, Anatole M., Schenectady, N. Y., assignor to General Electric Company. Cold cathode magnetron. 2,513,933, July 4.

Gurewitsch, Anatole M., Schenectady, N. Y., assignor to General Electric Company. Protective thermocontrol device for electric discharge devices. 2,516,564, July 25.

Gurewitsch, Anatole M., Schenectady, N. Y., assignor to General Electric Company. Coupling concentric cavity resonators. 2,525,452, Oct. 10.

Gurinsky, David H.: *See*—
Shank, Walter B., Gurinsky and Creutz.

Gurley, W. & L. E., assignee: *See*—
Gray, Harold S.
Larsen, Harold R., and Thoma.

Gurries, Albert G., assignor to Be-Ge Manufacturing Co., Gilroy, Calif. Front end implement supporting and adjusting mechanism. 2,530,577, Nov. 21.

Gurries, Albert G., and J. A. White, Jr., assignor to Be-Ge Manufacturing Co., Gilroy, Calif. Drawbar extension for land levelers. 2,510,470, June 6.

Gurries, Albert G., and J. A. White, Jr., assignors to Be-Ge Manufacturing Co., Gilroy, Calif. Roller and track unit for the power actuated endgate of scrapers. 2,514,053, July 4.

Gurries, Albert G., and J. A. White, Jr., assignors to Be-Ge Manufacturing Co., Gilroy, Calif. Earth leveling implement. 2,526,130, Oct. 17.

Gurries, Albert G., Santa Clara, Calif. Valve unit. 2,501,328, Mar. 21.

Gurries, Robert H., San Jose, Calif. Attachment for use with automobile hoists. 2,512,795, June 27.

Gurskis, Joseph, Jr.: *See*—
Barkstrom, Elmer E., and Gurskis, Jr.

Gusberg, Saul B., and E. J. Sovatkin, New York, assignors to J. Sklar Manufacturing Co., Inc., Long Island City, N. Y. Double-cutting biopsy bistoury. 2,505,358, Apr. 25.

Gusdorf, Frederik H., J. Poelma, and R. Kuperus, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Antivibrational mounting for a variable tuning condenser on a radio apparatus. 2,502,717, Apr. 4.

Gusdorf, Frederik H., and E. A. van Yzeren, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Device for controlling the coupling between two inductively coupled circuits. 2,522,035, Sept. 12.

Guss, James L., Manilla, Iowa. Bobby-pin spreader and applicator. 2,529,385, Nov. 7.

Guss, William A.: *See*—
Hart, Norman E., and Guss.

Gussack, Nathan A., Flushing, N. Y. Guide for drawers or shelves. 2,534,350, Dec. 19.

Gussow, William A., and T. E. Curtis, Hampton, Ga., assignors to Southern States Equipment Corporation. Electric switch. 2,520,036, Aug. 22.

Gustafson, Albert W., Kearney, Nebr. Tire bead prying lever. 2,508,712, May 23.

Gustafson, August W., Corpus Christi, Tex. Liquid regulating assembly in a spray nozzle system. 2,529,605, Nov. 14.

Gustafson, August W., Corpus Christi, Tex. Insecticide distributor. 2,531,566, Nov. 28.

Gustafson, Benjamin F., Fargo, N. Dak. Seed treating machine. 2,519,649, Aug. 22.

Gustafson, Carl A., assignor to Caterpillar Tractor Co., Peoria, Ill. Transmission shifting mechanism. 2,517,871, Aug. 8.

Gustafson, Carl A., Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif. Spring support for vehicle running gears. 2,531,621, Nov. 28.

Gustafson, Carl A., South Pasadena, and F. R. Swan, San Gabriel, Calif. Auxiliary spark-arresting screen for fireplaces. 2,518,005, Aug. 8.

Gustafson, Charles S., San Mateo, Calif. Adjustable roller cutter for cutting food. 2,493,244, Jan. 3.

Gustafson, Gilbert E.: *See*—
Ellett, Alexander, Gustafson, and Cotsworth, III.

Gustafson, Gösta K. G., assignor to Västra Sveriges Dentaldepot, Goteborg, Sweden. Vibrator for the fillings of tooth cavities. 2,531,680, Nov. 28.

Gustafson, Gotthard V. A., Stockholm, Sweden, assignor of one-half to A. U. Huggenberger, Zurich, Switzerland. Electric strain gauge. 2,508,456, May 23.

Gustafson, Gustaf, Groton, Conn. Wheel jacking apparatus. 2,497,726, Feb. 14.

Gustafson, Harry I., Spokane, Wash. Dump vehicle. 2,525,899, Oct. 17.

Gustafson, Lewis H.: *See*—
Maynard, Charles E., and Gustafson.

Gustafson, Lewis H., and D. B. Harter, assignors to Prophy-lac-tic Brush Company, Northampton, Mass. Display case. 2,507,303, May 9.

Gustafsson, Eric, J. W. Baur, and T. Kern, assignors to Binks Manufacturing Company, Chicago, Ill. Dry powder sprayer. 2,501,047, Mar. 21.

Gustafsson, Gotthard V. A.: *See*—
Lindblad, Axel R., Malmqvist, and Gustafsson.
Malmqvist, Johan D., Gustafsson, and Werner.

Gustaveson, Clarence J., Chehalis, Wash. Baby handling device. 2,495,964, Jan. 31.

Gustaveson, Clarence J., Chehalis, Wash. Baby handling device. 2,495,965, Jan. 31.

Gustavson, Elmer G., Clarendon Hills, assignor to The Quaker Oats Company, Chicago, Ill. Ready-mixed flour. 2,525,599, Oct. 10.

Gustavsson, Karl-Axel, Enkoping, Sweden, E. Munch, Copenhagen, Denmark, and O. H. I. Tungeberg, Vasteras, assignors to Aktiebolaget Atvidabergs Industrier, Atvidaberg, Sweden. Tabulator for typewriters or the like. 2,517,306, Aug. 1.

Gustin, George M., assignor to The G. M. Diehl Machine Works, Inc., Wabash, Ind. Veneer gluing machine. 2,503,551, Apr. 11.

Gustin, William E., Waterloo, assignor to Deere Manufacturing Co., Dubuque, Iowa. Lock means for multiple control elements. 2,508,023, May 16.
Guth, Edwin F., Company, The, assignee: *See*— Guth, Edwin F., Jr.
Guth, Edwin F., Florissant, Mo. Lighting fixture having means to shield the light source. 2,526,074, Oct. 17.
Guth, Edwin F., Jr., Ladue, assignor to The Edwin F. Guth Company, St. Louis, Mo. Luminaire for elongate tubular lamps comprising telescoped extensible sections. 2,532,023, Nov. 28.
Guth, Frederick A., Waverly, Ohio, and H. F. Guth, Memphis, Tenn. Vehicle actuated gate. 2,529,386, Nov. 7.
Guth, Harold F.: *See*— Guth, Frederick A. and H. F.
Guth, Paul, assignor to The Weatherhead Company, Cleveland, Ohio. Dispensing and filling valve for volatile liquids with filling gauge. 2,527,359, Oct. 24.
Guth, Russell N., Allentown, Pa. Brake spring tool. 2,522,611, Sept. 19.
Guthe, Olof D. M., Scarsdale, N. Y., and O. A. Shann, Short Hills, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Microphone with fuse. 2,494,704, Jan. 17.
Guthier, Roy E., assignor of one-half to T. W. Miller, Chicago, Ill. Jet propulsion engine. 2,508,673, May 23.
Guthier, Ruth M.: *See*— Krueger, John, Hayes, and Guthier.
Guthman, Edwin I., & Co., Inc., assignee: *See*— Morris, Raymond A., and Iverson.
Guthman, Edwin I., assignor to Edwin I. Guthman & Co., Inc., Chicago, Ill. High-frequency transformer construction. 2,535,203, Dec. 26.
Guthman, Edwin I., & Co., Inc., assignee: *See*— Guthman, Edwin I.
Guthmann, Eugene Y., Philadelphia, Pa. Liquid level gauge. 2,531,774, Nov. 28.
Guthrie, Charles L.: *See*— Guthrie, Louis and C. L.
Guthrie, James M., assignor to Loftus Engineering Corporation, Inc., Pittsburgh, Pa. Pit-type furnace. 2,514,860, July 11.
Guthrie, John A., New York, N. Y. Flexible coupling. 2,500,175, Mar. 14.
Guthrie, Louis and C. L., Morehead City, N. C. Shrimp trawling net. 2,511,057, June 13.
Gutkin, Samuel S., Plainfield, N. J., assignor to Falk & Company, Carnegie, Pa. Resin-glyceride coating. 2,497,449, Feb. 14.
Gutmann, Ferdinand, & Co., assignee: *See*— Eisen, Jay B.
Gutsche, Carl D.: *See*— Johnson, William S., Petersen, and Gutsche.
Gutterman, Robert P., Arlington, Va., and A. J. Bielski, Minneapolis, assignors to Engineering Research Associates, Inc., St. Paul, Minn. Electrical condenser. 2,505,287, Apr. 25.
Güttinger, Paul: *See*— Guanella, Gustav, and Güttinger.
Guttman, Allan, Mount Vernon, and D. Guttman, New York, N. Y. Relaxing chlorinated wool fabric. 2,525,543, Oct. 10.
Guttman, Davis: *See*— Guttman, Allan and D.
Guttman, Milton, assignee: *See*— Iandiorio, Sam.
Gutton, Henri, Paris, France, assignor to Compagnie Generale de Telegraphie sans Fil. Obtaining emission impulses of constant width and amplitude in a target detector. 2,513,478, July 4.
Gutton, Henri, and A. J. Ortusi, Paris, France, assignors to Compagnie Generale De Telegraphie Sans Fil. Modulation of ultrashort waves. 2,523,209, Sept. 19.
Gutton, Henri, and J. J. Hugon, Paris, France, assignors to Compagnie Generale de Telegraphie Sans Fil. Device for guiding and landing aircraft by means of decimetric radio waves. 2,530,694, Nov. 21.
Gutzwiller, Ernst, assignor to Sandoz Ltd., Basel, Switzerland. Dyestuffs of the anthraquinone series. 2,494,240, Jan. 10.
Gutzwiller, Ernst, assignor to Sandoz Limited, Basel, Switzerland. Sulfonated carbazol derivatives of the anthraquinone series and their preparation. 2,524,524, Oct. 3.
Guy, Alfred D., Homewood, Kans. Traveling side delivery rake. 2,509,430, May 30.
Guy, Charles M., Pittsburgh, Pa., assignor to Carnegie-Illinois Steel Corporation. Self-aligning sleeve for pressure-type gas burners and the like. 2,529,768, Nov. 14.
Guy, Frederick M., assignor to Guy & Murton, Inc., Detroit, Mich. Resilient bushing. 2,505,766, May 2.
Guy, Frederick M., assignor to Guy & Murton, Inc., Detroit, Mich. Resilient bushing. 2,505,767, May 2.
Guy, Frederick M., assignor to Guy & Murton, Inc., Detroit, Mich. Universal joint. 2,515,000, July 11.
Guy, Frederick M., assignor to Guy & Murton, Inc., Detroit, Mich. Universal joint. 2,515,001, July 11.
Guy, Frederick M., assignor to Guy & Murton, Inc., Detroit, Mich. Universal joint. 2,515,002, July 11.
Guy, Glen E., Shaker Heights, Ohio, assignor to General Electric Company. Phonograph reproducing arm. 2,516,565, July 25.
Guy Motors Limited, assignee: *See*— Andrews, Alfred.
Guy & Murton, Inc., assignee: *See*— Guy, Frederick M.
Guyer, Brada, Denver, Colo. Pipe boring machine. 2,531,909, Nov. 28.
Guyer, Edwin M., assignor to Corning Glass Works, Corning, N. Y. Glass resistor welding method. 2,527,720, Oct. 31.
Guyer, J. Walter: *See*— Bender, Howard L., Farnham, and Guyer.
Guyer, Jesse A., Bartlesville, Okla., assignor to Phillips Petroleum Company. Combined hydrocarbon conversion-hydrocarbon synthesis process. 2,518,775, Aug. 15.
Guyer, Jesse A., Bartlesville, Okla., assignor to Phillips Petroleum Company. Contacting vapors with a solid catalytic material. 2,526,657, Oct. 24.
Guyer, Reynolds, assignor to Waldorf Paper Products Company, St. Paul, Minn. Method and apparatus for forming cartons. 2,516,624, July 25.
Guyer, Reynolds, assignor to Waldorf Paper Products Company, St. Paul, Minn. Carton. 2,524,441, Oct. 3.
Guyol, Hazel S., Concord, N. H. Sleeping bag. 2,497,167, Feb. 14.
Guyton, James H.: *See*— Tynan, Andrew G., and Guyton.
Guzewicz, Henry J., Jackson Heights, assignor to Stainless Engineers, New York, N. Y. Safety device for dies. 2,502,718, Apr. 4.
Gwaltney, Eugene C., Biddeford, and W. Shaw and E. B. MacLean, Saco, Maine, assignors to Soco-Lowell Shops, Boston, Mass. Air filtering apparatus. 2,500,123, Mar. 7.
Gwaltney, Julius D., Smithfield, Va. Peanut butter incorporating smoked Smithfield meat. 2,515,036, July 11.
Gwin, Walter S., Ogdensburg, N. Y. Shade roller. 2,530,462, Nov. 21.
Gwinn, Joseph M., Jr., San Diego, Calif. Aircraft. 2,494,090, Jan. 10.
Gwoosh, Stephen J.: *See*— Taylor, Clarence E., and Gwoosh.
Gwynn, Bernard H., Tarentum, and C. W. Montgomery, Oakmont, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Isomerization of normal pentane. 2,530,874, Nov. 21.
Gwynn, Bernard H. Tarentum, and C. W. Montgomery, Oakmont, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Isomerization of light naphtha. 2,530,875, Nov. 21.
Gwynn, Marion H., Mountain Lakes, N. J., assignor, by mesne assignments, to B. Clayton, Houston, Tex., doing business as Refining Unincorporated. Manufacture of sponge iron. 2,509,921, May 30.
Gyana, Eugene E., Manhasset, assignor to United States Rubber Company, New York, N. Y. Centrifugal liquid retainer. 2,524,124, Oct. 3.
Gyco Instruments, Inc., assignee: *See*— Weidenschilling, Paul L.
Gygax, Ernest, assignor to General Engineering & Manufacturing Company, St. Louis, Mo. Refrigeration system. 2,497,450, Feb. 14.
Gyles, Alfred R., Liberty Grove, Md. Bed spring. 2,503,333, Apr. 11.
Gyorgy, Paul, Villanova, assignor to Wyeth Incorporated, Philadelphia, Pa. Stabilized fat compositions. 2,526,865, Oct. 24.
Gyro Process Company, The, assignee: *See*— Holland, William W.
Gysin, Hans: *See*— Hodel, Ernst, and Gysin. Martin, Henry, and Gysin. Martin, Henry, Gysin, Neracher, and Hirt.
Gysin, Hans, assignor to J. R. Geigy A. G., Basel, Switzerland. N'-isopropoxybenzoyl sulfanilamide. 2,503,820, Apr. 11.
Gzupkaytil, Matt, Miami, Fla. Window operator construction. 2,528,953, Nov. 7.
H-P-M-Development Corporation, assignee: *See*— Ashbaugh, Bernard D. Brehm, Robert W., and Tucker. Cole, Lyndon C. Geiger, George M., and Lindner. Geiger, George W., and Purcell. Purcell, Howard M. Richardson, Lloyd D. Tucker, Warren R.
H & W Company, The, assignee: *See*— Woodruff, Sadie J.
Haab, Fred, assignor to firm Fratelli Buehler, Milan, Italy. Scale for the determination of the moisture content of solid bodies. 2,527,187, Oct. 24.
Haab, Rolf C.: *See*— George, Nelson C., and Haab.
Haack, Seymour, Long Island City, N. Y. Multipurpose ruler. 2,508,252, May 16.
Haack, William F., Fanwood, N. J. Oscillating vane aircraft. 2,514,639, July 11.
Haacke, Joseph A., Dallas, Tex. Gasket extension handle. 2,527,721, Oct. 31.
Haake, Jack M., Dallas, Tex. Receptacle support. 2,522,036, Sept. 12.
Haantjes, Johan, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Amplifier coupling network. 2,494,657, Jan. 17.

Haantjes, Johan, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Pulse shaping network to derive synchronizing pulses for triggering a generator. 2,515,597, July 18.

Haantjes, Johan, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Frequency-modulated signal distortion reducing circuit. 2,519,455, Aug. 22.

Haantjes, Johan, and B. W. van Ingen Schenau, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Circuit arrangement producing a direct voltage for supplying a cathode-ray tube. 2,494,241, Jan. 10.

Haantjes, Johan, and J. J. P. Valeton, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Circuit arrangement for producing saw toothlike currents. 2,512,543, June 20.

Haas, Alfred E., Greenwich, N. Y. Dental instrument. 2,519,246, Aug. 15.

Haas, Frank J., Bayside, assignor to R. Goetz, Lynbrook, doing business as Boxart Machine Company, Brooklyn, N. Y. Taping machine. 2,495,003, Jan. 17.

Haas, Glenn B., assignor to Window Products, Inc., Oak Harbor, Ohio. Sealing strip for panel members. 2,505,893, May 2.

Haas, Glenn B., assignor to Star Sash Balance Corporation, Oak Harbor, Ohio. Spring sash balance. 2,534,968, Dec. 19.

Haas, Harold G., Belleville, assignor to Bendix Aviation Corporation, Teterboro, N. J. Antihunting circuit for electrical regulators. 2,499,272, Feb. 28.

Haas, Harold G., Belleville, assignor to Bendix Aviation Corporation, Teterboro, N. J. Antihunting system for electrical regulators. 2,526,133, Oct. 17.

Haas, Otto R., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Ammunition magazine. 2,517,660, Aug. 8.

Haas, Otto R., Wenham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Welt shoe sewing machine. 2,520,140, Aug. 29.

Haas, Paul, Emporium, assignor to Sylvania Electric Products Inc., Emporium, Pa. Electron discharge tube. 2,500,355, Mar. 14.

Haas, Paul, Emporium, Pa., assignor to Sylvania Electric Products, Inc. Method of and apparatus for fabricating a concentric seal assembly. 2,511,914, June 20.

Haas, Paul, New Hyde Park, N. Y., and A. L. Wilson, East Orange, N. J., assignors to Sylvania Electric Products Inc. I-beam cathode. 2,500,988, Mar. 21.

Haas, Richard W., Los Angeles, Calif. Currency container. 2,508,159, May 16.

Haase, Heinrich E.: *See*—
Lager, Eric W., Prohaska, and Haase.

Haase, Jorgen I., assignor to Wingfoot Corporation, Akron, Ohio. Control apparatus. 2,522,264, Sept. 12.

Haase, Wilbert W., assignor to Wilbert Manufacturers Association, Forest Park, Ill. Burial vault cover. 2,523,824, Sept. 26.

Haayman, Pieter W.: *See*—
Six, Willem, and Haayman.

Haayman, Pieter W., and H. Bruining, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Semiconductive resistance provided with metal contacts. 2,496,346, Feb. 7.

Habe, John L.: *See*—
Schmohl, Leland H., and Habe.

Habeck, Joseph J., Milwaukee, Wis. Wire tongs. 2,508,823, May 23.

Habenda, Edward J.: *See*—
Mills, Albert W., Furman, and Habenda.

Haber, Irving, assignee: *See*—
Vogel, Frank.

Haber, Leo, Los Angeles, Calif. Manicuring implement. 2,512,100, June 20.

Haber, Max C., Omaha, Nebr., W. B. Baker, Council Bluffs, Iowa, and L. J. Schnavely, Cheyenne, Wyo. Heating apparatus for bonding metals. 2,515,300, July 18.

Haber, Philmore J., assignee, trustee: *See*—
Campbell, John M.

Haberkorn, Francis J., Dalton, Wis. Calf feeder. 2,522,820, Sept. 19.

Haberland, Frederick C., Cleveland, Ohio, assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill. Valve. 2,498,121, Feb. 21.

Haberstump, Alfred H., assignor to The Murray Corporation of America, Detroit, Mich. Washing machine for squeezing fabrics during the washing, rinsing, and drying cycles. 2,521,578, Sept. 5.

Haberstump, Alfred H., assignor to The Murray Corporation of America, Detroit, Mich. Broiler. 2,532,445, Dec. 5.

Habeshaw, John: *See*—
Birch, Stanley F., Habeshaw, and Collis.

Habib, Davis P.: *See*—
Spoerri, Paul E., and Habib.

Habig, Robert P., Bronxville, N. Y. Umbrella. 2,493,136, Jan. 3.

Habler, Adam L., Redondo Beach, Calif. Ice-cream cone extension. 2,527,993, Oct. 31.

Haboush, Edward J., Brooklyn, N. Y. Fracture nail and bone plate. 2,496,126, Jan. 31.

Haboush, William P.: *See*—
McLouth, Donald B., Neff and Haboush.

Hach, Clifford, Clifton, assignor to Kidde Manufacturing Co., Bloomfield, N. J. Composition for producing carbon dioxide from hydrogen and carbon containing compounds, and producing the same. 2,492,986, Jan. 3.

Hach, William: *See*—
Gehman, Harry, and Hach.

Hachmuth, Karl H., Bartlesville, Okla., assignor to Phillips Petroleum Company. Production of ethylene. 2,498,806, Feb. 28.

Hachmuth, Karl H., Bartlesville, Okla., assignor to Phillips Petroleum Company. Solvent extraction process. 2,515,217, July 18.

Hack, Sidney, Buffalo, N. Y. Collapsible basket. 2,512,101, June 20.

Hack, Sidney, Jamaica, assignor to Ainslee Leather Manufacturing Corp., New York, N. Y. Combination purse and billfold. 2,519,456, Aug. 22.

Hack, Theodore A.: *See*—
Kleinholz, Milton P., and Hack.

Hackathorn, James L., Los Angeles, Calif. Valve. 2,497,354, Feb. 14.

Hackensack Brass Foundry Company, assignee: *See*—
Mazzeo, Rocco.

Hacker, Fred H. and G. C., Bay City, Mich. Car top carrier. 2,506,421, May 2.

Hacker, George C.: *See*—
Hacker, Fred H. and G. C.

Hacker, Horace W., La Grange, Ill. Screw. 2,502,648, Apr. 4.

Hacker, Horace W., La Grange, Ill. Window. 2,524,105, Oct. 3.

Hacker, Wade L., Long Beach, Calif. Bathing apparatus attachment, including conveyer-supported brushes for bathtubs. 2,521,715, Sept. 12.

Hackerott, Auldin H., Natoma, Kans. Power lawn mower. 2,514,861, July 11.

Hackethal, Paul F., Cockeysville, assignor to Everel Propeller Corporation, Baltimore, Md. Propeller blade mounting. 2,515,996, July 18.

Hackethal, Paul F., Cockeysville, and R. Karey, assignors to Everel Propeller Corporation, Baltimore, Md. Aircraft propulsion unit. 2,528,236, Oct. 31.

Hackethal, Paul F., Cockeysville, and R. Karey, assignors to Everel Propeller Corporation, Baltimore, Md. Propeller hub. 2,530,520, Nov. 21.

Hackett, Edward B.: *See*—
Parker, Leland C., Hackett, and Pecoraro.

Hackett, William B., Salem, Ohio, ssignor to Blaw-Knox Company, Pittsburgh, Pa. Headstock for roll lathes or the like. 2,524,791, Oct. 10.

Hacklander, Hans, Linden, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Feed-cup pressure regulating mechanism for sewing machines. 2,502,387, Mar. 28.

Hacklander, Hans, Linden, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Electronic bonding machine. 2,509,595, May 30.

Hacklander, Hans, Linden, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing machine. 2,518,987, Aug. 15.

Hacklander, Hans, Linden, and C. P. Sweeny, Sommerville, assignors to The Singer Manufacturing Company, Elizabeth, N. J. Bonding machine. 2,534,593, Dec. 19.

Hadco Engineering Company, assignee: *See*—
Davey, George M., and Haufaire.

Haddad, Salomao J., Shrewsbury, Mass., assignor to C. H. Roth Company, Inc. Apparatus for knitting float patterns. 2,516,697, July 25.

Haddad, Salomao J., Shrewsbury, Mass., assignor, by mesne assignments, to Standard Hosiery Mills, Burlington, N. C. Stocking structure and manufacture. 2,522,265, Sept. 12.

Haddeland, George E., and D. J. Kennedy, Shawinigan Falls, Quebec, assignors to Shawinigan Chemicals Limited, Montreal, Quebec, Canada. Process of and apparatus for dispersing an aeriform body in a liquid body. 2,521,215, Sept. 5.

Hadden, Joseph M., Avera, Ga. Peanut harvester. 2,516,769, July 25.

Haddock, Norman H.: *See*—
France Harold, and Haddock.

Haddon Bindery, Inc., assignee: *See*—
Esak, John H.

Hadfield, Bertram M., Harrow Weald, England, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Oscillation generator. 2,497,766, Feb. 14.

Hadfield, James, Romiley, England. Hydraulic locking cylinder for locomotive reversing gear. 2,523,696, Sept. 26.

Hadfields Limited, assignee: *See*—
Colbeck, Eric W., and Adams.

Hadley, Charles R., Company, assignee: *See*—
Jones, Jesse M.

Hadley, Oscar V., Plainfield, and E. E. Schwarzenbach, assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind. Shaft seal for electrical circuit control. 2,519,756, Aug. 22.

Hadley, Walter H., Indianapolis, Ind. Tufting button. 2,516,204, July 25.

Hadley, Wilfred N., assignor to Parks & Woolson Machine Co., Springfield, Vt. Decating fabrics. 2,498,416, Feb. 21.

Haeberlin, George, Richmond, Va., assignor to Richmond Piece Dye Works, Inc. Decating machine. 2,494,807, Jan. 17.

Haeberlin, George, Richmond, Va., assignor to Richmond Piece Dye Works, Inc. Decating machine and method. 2,494,808, Jan. 17.

Haecker, Edward T., Hope, Idaho. Axially shifting type hydraulic tire mounting and demounting device. 2,534,594, Dec. 19.

Haecker, Ernest, Philadelphia, Pa. Edge lighted sign. 2,499,824, Mar. 7.

Haefele, John W., Ridgewood, N. J., assignor to United States Rubber Company, New York, N. Y. Emulsion polymerization of styrene. 2,493,965, Jan. 10.

Haefeli, Julius C., Selly Oak, assignor to The Austin Motor Company Limited, Birmingham, England. Taking off power from the drive transmission of motor vehicles. Re. 23,213, Mar. 28.

Haefeli, Julius C., assignor to The Austin Motor Company Limited, Northfield, Birmingham, England. Change-speed gear of motor vehicles. 2,504,409, Apr. 18.

Haefeli, Max, Basel, Switzerland. Procedure for the preparation of prosthesis of great strength from methyl methacrylate monomer and polymer. 2,497,451, Feb. 14.

Haeff, Andrew V., Washington, D. C., assignor to Radio Corporation of America. Electron discharge device employing resonators. 2,492,987, Jan. 3.

Haeff, Andrew V., Washington, D. C., assignor to Radio Corporation of America. Electron discharge device and associated circuits. 2,507,972, May 16.

Haeff, Andrew V., Washington, D. C., assignor to Radio Corporation of America. Electron discharge device and associated circuits. 2,515,997, July 18.

Haeff, Andrew V., Washington, D. C., assignor to Radio Corporation of America. Electron discharge device. 2,515,998, July 18.

Haeff, Andrew V., Washington, D. C., assignor to Radio Corporation of America. High-frequency electron discharge device. 2,528,138, Oct. 31.

Haeff, Andrew V., and T. E. Hanley, Washington, D. C., and C. B. Smith, Silver Spring, Md. Ultra high frequency signal generator. 2,535,062, Dec. 26.

Haefner, William C., Newport, Ky., assignor to The Auto Sun Products Company, Cincinnati, Ohio. Sickle bar attachment. Re. 23,269, Sept. 19.

Haegele, Frederick G. A., Westcliff-on-sea, assignor to Ekco-Ensign Electric Limited, Southend-on-Sea, England. Electric discharge lamp and circuit therefor. 2,526,559, Oct. 17.

Haegele, Richard A., Elmhurst, Ill. Egg opener having pivoted hammer. 2,533,007, Dec. 5.

Haehnel, Herbert E., West Reading, assignor to Textile Machine Works, Wyomissing, Pa. Knitting machine pattern control mechanism and operating the machine. 2,516,514, July 25.

Haelen, John C., assignor to Eastman Kodak Company, Rochester, N. Y. Fixed plane film guiding means for viewing and projection devices. 2,518,682, Aug. 15.

Haemic Research Laboratories, Inc., assignee: *See*— Rosen, Maurice S.

Haeseler, John A., Woodbridge, Conn. Reflex camera having reflecting finder system. 2,512,772, June 27.

Haeseler, John A., Woodbridge, Conn. Reflex camera with finder focusing system. 2,521,790, Sept. 12.

Haessler, Walter M.: *See*— Grant, Harry C., Jr., and Haessler. Lane, Cecil T., Marsh, and Haessler.

Haeusser, John T., Albany, N. Y. Massaging and cleaning device. 2,512,059, June 20.

Haff, Richard M., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Registering and printing frame. 2,498,417, Feb. 21.

Hafner, Raoul, assignor to The Bristol Aeroplane Company Limited, Bristol, England. Control means for the blades of the sustaining rotor of a rotary-wing aircraft. 2,493,869, Jan. 10.

Hagan Corporation, assignee: *See*— Hopwood, John M. Markson, Alfred A. Otto, Harry A. Vetter, Otto B.

Hagan, Gertrude A., Bremerton, Wash. Key fastener. 2,517,480, Aug. 1.

Hagberg, Verner J.: *See*— Hendrickson, Harold G., and Hagberg.

Hagby, Gustav V.: *See*— Dalin, David, and Hagby.

Hagedorn, Hans C., assignor to Nordisk Insulinlaboratorium, Gentofte, Denmark. Container for injection medicines. 2,533,165, Dec. 5.

Hagedorn, Norman A., Middletown, Ohio. Bed-cover clamp. 2,519,131, Aug. 15.

Hageline, Emil E., assignor to The Lathrop-Paulson Company, Chicago, Ill. Measured liquid feed. 2,535,204, Dec. 26.

Hagelston, Paul J.: *See*— Buckley, Cornelius J., and Hagelston.

Hageman, Adam W., Bluefield, W. Va. Railway switch. 2,502,149, Mar. 28.

Hageman, Drew W., Mountain Lakes, assignor, by mesne of assignments, to Steel and Alloy Tank Company, Newark, N. J. Shuttle binder and support. 2,525,129, Oct. 10.

Hageman, Frank E., Chico, Calif. Beehive. 2,522,511, Sept. 19.

Hageman, Louis F., Lewiston, assignor to Moore Business Forms, Inc., Niagara Falls, N. Y. Strip feeding and severing machine. 2,513,093, June 27.

Hagemeyer, Hugh J., Jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Forming unsaturated acid esters. 2,496,791, Feb. 7.

Hagemeyer, Hugh J., Jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Cellulose ester materials insoluble in organic solvents. 2,500,029, Mar. 7.

Hagemeyer, Hugh J., Jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Acylating enolizable organic compounds. 2,521,913, Sept. 12.

Hagemeyer, Hugh J., Jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Resinous copolymers comprising acetylated products obtained from the enol form of ketoesters. 2,521,914, Sept. 12.

Hagemeyer, Hugh J., Jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Preparing linear condensation polymers from bis-diazo-diketo alkanes. 2,533,455, Dec. 12.

Hagen, Arthur H., Globe, Ariz. Fishing float. 2,497,355, Feb. 14.

Hagen, Arthur H., Los Angeles, Calif. Fishing float. 2,497,356, Feb. 14.

Hagen, Clarence R.: *See*— Baker, David B., and Hagen.

Hagen, Clarence R., Chicago, Ill., assignor to International Harvester Company. Cotton-picking apparatus. 2,520,927, Sept. 5.

Hagen, Clarence R., Chicago, and L. E. Nickla, Cicero, Ill., assignors to International Harvester Company. Cotton-picking apparatus. 2,518,465, Aug. 15.

Hagen Corporation, assignee: *See*— Otto, Harry A.

Hagen, Harold F., Norwell, Mass., assignor, by mesne assignments, to Westinghouse Electric Corporation. Multistage, axial flow, gas compressor. 2,500,070, Mar. 7.

Hagen, Harold F., Wellesley, Mass., assignor, by mesne assignments, to Westinghouse Electric Corporation. Heat exchanger. 2,513,644, July 4.

Hagen, Kenneth R., assignor to U. O. Colson Company, Paris, Ill. Paper match holder. 2,518,885, Aug. 15.

Hagen, Roger H., assignor, by mesne assignments, to Plymouth Industrial Products, Inc. Plymouth, Wis. Injection molding device. 2,514,390, July 11.

Hagen, Rudolf A., Chicago, Ill. Barrel bedding broach. 2,534,816, Dec. 19.

Hagen, William F., Wellesley, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Heat exchanger. 2,503,667, Apr. 11.

Hagenah, Harry C., Conrad, Mont. Trailer hitch. 2,501,721, Mar. 28.

Hagenbach, George O., assignor to General Railway Signal Company, Rochester, N. Y. Relay housing. 2,498,807, Feb. 28.

Hagenbook, Loy D., assignor to Goodman Manufacturing Company, Chicago, Ill. Shaker conveyer clamp. 2,523,293, Sept. 26.

Hagenbuch, Paul G., Arlington, Va., and R. I. Strickland, Greenbelt, Md. Endless band track. 2,516,115, July 25.

Hagenbuch, William H., Middletown, Ind. Flow measuring device. 2,522,574, Sept. 19.

Hagens, Herbert H., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,496,159, Jan. 31.

Hager, Bengt M.: *See*— Clark, Floyd H., Hager, and Larson.

Hager, Glenn F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Ethers of beta-hydroxyadiponitrile. 2,500,942, Mar. 21.

Hager, Hans G.: *See*— Prettyman, Irven B., and Hager.

Hager, Henry F., Chicago, Ill., assignor of one-half to H. F. Hager, Jr., Massillon, Ohio. Spring cushion. 2,516,566, July 25.

Hager, Henry F., Jr., assignee: *See*— Hager, Henry F.

Hager, Herbert G., Tacoma, Wash. Ski positioning means for airplanes. 2,517,481, Aug. 1.

Hagerbaumer, William A.: *See*— Johnson, George L., and Hagerbaumer. Johnson, George L., Happel and Hagerbaumer.

Hagerbaumer, William A., Westfield, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Contacting. 2,520,717, Aug. 29.

Hagerstown Engineering Company, Inc., assignee: *See*— Kindsvatter, Richard L.

Hagg, Carl, Jr., Brooklyn, N. Y. Device to hold a folded handkerchief or the like in upright position. 2,510,778, June 6.

Hagg, Leo C., Kenewick, Wash. Trailer dolly. 2,519,564, Aug. 22.

Haggard, Homer H., assignor to Hercules Powder Company, Wilmington, Del. Ethylene oxide condensates of ethanol rosin amines. 2,510,284, June 6.

Haggardt, Dean C., Denver, Colo. Compressor unit. 2,508,253, May 16.

Haggart, John C., Jr., Los Angeles, Calif. Molding reflector devices. 2,498,489, Feb. 21.

Haggerty, William B., assignor to Tampa Aviation, Inc., Tampa, Fla. Refrigerating food products. 2,501,898, Mar. 28.

Haggerty, William T., Jr.: *See*—
Ward, George C., and Haggerty.

Hagie, Raymond W., Clarion, and E. V. Collins, Ames, Iowa. Corn detasseling machine. 2,508,605, May 23.

Haglund, Ture R., Stockholm, assignor to Stora Kopparbergs Bergslags Aktiebolag, Falun, Sweden. Producing Bessemer steel. 2,529,387, Nov. 7.

Haglund, Vern N., Lakewood, and C. J. Grenfell, assignors of one-third to C. F. Meffley, Denver, Colo. Disk type mower. 2,521,972, Sept. 12.

Hagmaier, Elmer W., Pittsburgh, Pa., assignor to The American Metal Company, Limited, New York, N. Y. Flux for purifying metals. 2,535,536, Dec. 26.

Hagstrom, Gotthard, New Haven, assignor, by mesne assignments, to Sterling Products, Incorporated, Bridgeport, Conn. Latch. 2,505,858, May 2.

Hague, Alfred E., West Orange, N. J., and A. E. Joel, Jr., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Automatic accounting device. 2,531,622, Nov. 28.

Hague, George E., Thermopolis, Wyo. Hydraulic clutch actuator. 2,525,220, Oct. 10.

Hagy, James D., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Gas processing for the synthesis of hydrocarbons. 2,493,454, Jan. 3.

Hahn, Clarence J., Buffalo, N. Y., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Connection between shafts and shaft mounted members. 2,493,402, Jan. 3.

Hahn, Frank J.: *See*—
Scott, Milton J., and Hahn.

Hahn, Rea I., Rochester, N. Y., assignor to General Motors Corporation, Detroit, Mich. Liquid applying apparatus for strip material. 2,505,960, May 2.

Hahn, Rea I., and B. N. Snyder, Rochester, N. Y., assignors to General Motors Corporation, Detroit, Mich. Electric preheat unit for tubing. 2,523,111, Sept. 19.

Hahn, William C., Scotia, N. Y., assignor to General Electric Company. Ultra short wave device. 2,498,886, Feb. 28.

Hahn, William C., Scotia, N. Y., assignor to General Electric Company. Triggered pulse generator. 2,505,542, Apr. 25

Hahn, William C., Scotia, N. Y., assignor to General Electric Company. Position-type telemeter transmitter. 2,527,215, Oct. 24.

Haid, William L., Seattle, Wash. Measuring trap having an air seal cutoff. 2,524,125, Oct. 3.

Haidegger, Hans, Soleure, assignor to Ebauches S. A., Grenchen Soleure, Switzerland. Slider for slide fasteners. 2,496,664, Feb. 7.

Haigh, Frederick R., Passaic, E. C. Koerner, Belvidere, and H. Ehrhardt, Nutley, N. J., assignors to Botany Worsted Mills. Antifelting of wool. 2,516,055, July 18.

Haigh, John T.: *See*—
Harrel, Chastain G., Haigh and Brown.

Haigh, Leslie B., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Telegraph repeater. 2,521,716, Sept. 12.

Haigh, Leslie B., West Orange, and F. A. Stearn, Westfield, N. J., assignors to Federal Telephone and Radio Corporation, New York, N. Y. Presettable impulse register. 2,517,559, Aug. 8.

Haigh, Paul V.: *See*—
Churchill, Harold E., Haigh, and Zander.

Haigh, Richard A., Brighton, assignor to Automatic Controls Corporation, Ann Arbor, Mich. Electric control unit. 2,527,061, Oct. 24.

Haight, Douglas G.: *See*—
Wright, Richard H., and Haight.

Hain, Max, Pittsburgh, Pa. Cable clamp. 2,529,153, Nov. 7.

Hain, Wellington C., Wichita, Kans. Trap. 2,518,614, Aug. 15.

Hainault, Marcel, Paris, France. Automatic trepans. 2,525,669, Oct. 10.

Hainer, Raymond M., Revere, Mass., assignor to the United States of America as represented by the United States Atomic Energy Commission. Preparation of UF_6. 2,535,572, Dec. 26.

Haines, David T., Dallas, Tex. Star hand knob. 2,496,714, Feb. 7.

Haines, George S.: *See*—
Williams, Dwight, Thomas, and Haines.

Haines, John F.: *See*—
MacNeil, Charles S. J., Haines, Moore, and Carson.
MacNeil, Charles S. J., Haines, Moore, Mack, and Carson.
Martin, Thomas B., Berninger, Haines, May, Theobald, Taylor, and Neudeck.
May, James R., Haines, and Richardson.

Haines, Lewis J., Southboro, Mass. Combination range. 2,500,943, Mar. 21.

Haines, Malcolm E., assignor to The McDowell & Torrence Lumber Company, Xenia, Ohio. Joint between structural members of buildings. 2,495,966, Jan. 31.

Haines, Ray E., Hastings on Hudson, and J. V. Adams, New Rochelle, N. Y. Electrically heated hot plate. 2,518,683, Aug. 15.

Haines, William, Incorporated, assignee: *See*—
Morrison, Michael H.

Haines, William J., and R. H. Johnson, assignors to The Upjohn Company, Kalamazoo, Mich. Extraction of adrenal glands. 2,528,880, Nov 7.

Haines, William M., Jr.: *See*—
Staten, Fred W., and Haines, Jr.

Hainlen, Anna, executrix: *See*—
Hainlen, George.

Hainlen, George, deceased, Philadelphia, Pa.; A. Hainlen, executrix. Safety inner tube for pneumatic tires. 2,510,974, June 13.

Hair, Harold R.: *See*—
Partlo, Cyrus G., and Hair.

Hair-Queen Dryer Cap Corp., assignee: *See*—
Sapp, Marion L.

Hairston, Festus, Detroit, Mich. Sleeping attachment for vehicles. 2,506,870, May 9.

Hait, Howard B., Philadelphia, Pa. Cup crusher. 2,493,193, Jan. 3.

Hait, James M., San Jose, Calif., assignor to Food Machinery and Chemical Corporation. Single whole fruit feeder. 2,500,030, Mar. 7.

Hajek, William J., assignor to Robertshaw-Fulton Controls Company, Knoxville, Tenn. Control for air conditioning systems. 2,531,037, Nov. 21.

Hakanson, Alfred, Alhambra, Calif. Control mechanism. 2,492,988, Jan. 3.

Haklin, Michael J., Jr., assignor to Crane Co., Chicago, Ill. Ladle pouring guide. 2,519,313, Aug. 15.

Hakomaki, Raymond I., Minneapolis, Minn., assignor to General Mills, Inc. Balloon load release. 2,534,866, Dec. 19.

Halbach, Howard L., Pittsburgh, Pa., G. D. Campbell and W. G. Koupal, Clarksburg, W. Va., assignors to Pittsburgh Plate Glass Company. Method of and apparatus for drawing sheet glass. 2,519,457, Aug. 22.

Halbedel, Harold S., Euclid, assignor to The Harshaw Chemical Company, Cleveland, Ohio. Purification of crude glycerine. 2,505,735, Apr. 25.

Halbig, John J.: *See*—
Hornak, Regina L., and Halbig.

Halderman, Clarence W., Ojai, Calif. Traveling block limit control. 2,530,766, Nov. 21.

Hale, Arthur N., Stratford, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Attachment holder for sewing machines. 2,515,707, July 18.

Hale, Arthur N., Stratford, and R. Carmichael, Devon, Conn., assignors to The Singer Manufacturing Company, Elizabeth, N. J. Work feeding mechanism for sewing machines. 2,509,596, May 30.

Hale, Cedric, Glen Ellyn, and P. Schauert, assignors to Swift & Company, Chicago, Ill. Stabilization of eggs. 2,497,817, Feb. 14.

Hale, Douglas A. S.: *See*—
Fay, Clifford E., and Hale.

Hale, Douglas A. S., Verona, and R. J. Kircher, Summit, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. High-frequency electronic discharge device. 2,531,623, Nov. 28.

Hale Fire Pump Co., assignee: *See*—
Wendell, Evert J., and Sargent.

Hale, Gerald A., Oklahoma City, Okla. Cumulative indexing mechanism. 2,532,906, Dec. 5.

Hale, James E., Akron, J. H. Cox, Seville, and J. G. Kreyer, Akron, Ohio. Amphibious vehicle. 2,514,488, July 11.

Hale, John S.: *See*—
Kifer, Charles D., and Hale.

Hale, Joseph B., assignor to Eastman Kodak Company, Rochester, N. Y. Liquid metering device. 2,529,937, Nov. 14.

Hale, Robert I. C., New Castle, Ind. Automatic gate. 2,527,129, Oct. 24

Halek, Charles, Cleveland, Ohio. Device for forming trouser cuffs. 2,532,362, Dec. 5.

Halenza, Donald H., assignor to Dole Valve Company, Chicago, Ill. Fluid control unit. 2,500,750, Mar. 14.

Hales, Everett B.: *See*—
Greenwood, Ivan A., Jr., and Hales.

Hales, Ralph A., West Chester, Pa., assignor to Atlas Powder Company, Wilmington, Del. Preparation of phenolphthalein beta beta'-diglucoside octaacetate. 2,500,148, Mar. 14.

Haley, Clifford, Flushing, and H. A. Lundy, assignors to Hardinge Brothers, Inc., Elmira, N. Y. Collet stop. 2,502,719, Apr. 4.

Haley, Douglas C., Marietta, Ga. Reserve fuel supply. 2,531,847, Nov. 28.

Haley, Fred C., Canton, Ga. Watering fount. 2,502,720, Apr. 4.

Haley, Shaffer, assignee: *See*—
Keller, Martin W.

Haley, Shubel C., Narragansett, R. I., assignor to General Electric Company. Flux distribution compensator for electrictrical measuring instruments. 2,497,669, Feb. 14.

Halfpenny, Michael J.: *See*—
Perry, George F., and Halfpenny.

Halfvarson, Gustaf A., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Refrigeration apparatus. 2,500,751, Mar. 14.

Halkins, James A., Bethlehem, Pa., assignor to The Waylite Company. Apparatus for producing granulated slag. 2,494,999, Jan. 17.
Hall, Albert C., Boston, Mass., assignor, by mesne assignments, to Research Corporation, New York, N. Y. Servo-mechanism. 2,496,391, Feb. 7.
Hall, Albert C., Boston, Mass., assignor, by mesne assignments, to Research Corporation, New York, N. Y. Control system. 2,516,698, July 25.
Hall, Alvin C., Woodbury, N. J., and H. W. Semon, Washington, D. C. Parachute release mechanism. 2,502,455, Apr. 4.
Hall, Arthur: *See*—
Bedford, Howard E., and Hall.
Hall, Charles B., Chicago, Ill. Refrigerator container cooled by carbon dioxide ice. 2,508,385, May 23.
Hall, Charles P., Lindsay, Okla. Rock gouge. 2,517,426, Aug. 1.
Hall, Chester I., Schenectady, N. Y., assignor to General Electric Company. Electromagnetic device. 2,504,681, Apr. 18.
Hall, Chester I., Vischer's Ferry, N. Y., assignor to General Electric Company. Electric switch. 2,513,934, July 4.
Hall, Chester I., Vischer's Ferry, N. Y., assignor to General Electric Company. Polarized relay and motor control system. 2,515,771, July 18.
Hall, Clarence, Omaha, Nebr. Adjustable trunk carrier. 2,515,826, July 18.
Hall, Clyde W., Chicago, Ill., assignor, by mesne assignments, to F. H. Knowles. Vending machine. 2,532,062, Nov. 28.
Hall, Dick S.: *See*—
Goins, Robert R., and Hall.
Hall, Douglas W.: *See*—
Gresham, Harold E., and Hall.
Hall, Dwayne: *See*—
Blalock, Iva L., Ewing, and Hall.
Hall, Edward F., and A. J. Lageson, said Lageson assignor of one-quarter to H. O. Williams, Minneapolis, Minn. Advertising display service. 2,511,980, June 20.
Hall, Edward H., Fitchburg, Mass. Composite textile yarn for use in paper-making felts. 2,506,667, May 9.
Hall, Edwin S., Farmington, Conn. Starplate mechanism. 2,498,679, Feb. 28.
Hall, Elijah F., Reidsville, N. C. Calculator. 2,535,580, Dec. 12.
Hall, Elisha W., Scituate, Mass. Rotary cylinder abrading tool. 2,497,497, Feb. 14.
Hall, Elisha W., Scituate, Mass. Traveling band abrading machine. 2,530,960, Nov. 21.
Hall, Emery L., La Grange, assignor to Belmont Radio Corporation, Chicago, Ill. Television tuner. 2,534,768, Dec. 19.
Hall, Emery L., Chicago, and L. W. Schreiner, Des Plaines, assignors to Belmont Radio Corporation, Chicago, Ill. Trimmer condenser. 2,516,981, Aug. 1.
Hall, Franklin C., Crossville, Ala. Spring-tooth harrow. 2,516,463, July 25.
Hall, Frederick T., Bartlesville, Okla., assignor to Phillips Petroleum Company. Continuous sample collecting device. 2,530,463, Nov. 21.
Hall, George O., Murrysville, assignor to Hall Laboratories, Inc., Pittsburgh, Pa. Curing of meat to inhibit undesirable color change. 2,513,094, June 27.
Hall, Harvey C., Oakville, Ontario, Canada. Necktie. 2,534,669, Dec. 19.
Hall, Helen D., assignee: *See*—
Hall, Willard C.
Hall, Henry D., Concord, assignor to Harvey Radio Laboratories, Inc., Cambridge, Mass. Voltage indicating device. 2,498,490, Feb. 21.
Hall, Hollis B., Mayfield, Ky. Furrow opening attachment for grain drills or planters. 2,499,095, Feb. 28.
Hall, Horace C., Littleover, H. E. Gresham, Little Eaton, near Derby, W. M. Doyle, and C. Wilson, Slough, assignors to Rolls-Royce Limited, Derby, and High Duty Alloys Limited, Slough, England. Forging aluminum alloy. 2,522,575, Sept. 19.
Hall, Horace C., and M. A. Wheeler, assignors to Rolls-Royce Limited, Derby, England. Aluminium alloy having low coefficient of expansion. 2,525,130, Oct. 10.
Hall, Horatio V., Beverly, Mass. Miniature racing apparatus. 2,516,315, July 25.
Hall, Hugh B., Opelika, Ala. Turntable. 2,497,989, Feb. 21.
Hall, Ike D., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Treatment of oil-in-water emulsions. 2,504,019, Apr. 11.
Hall, Ike D., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Dehydrogenating paraffins and olefins. 2,529,293, Nov. 7.
Hall, James W., Edmonston, Md., and L. A. Cline, Washington, D. C. Packaging machine. 2,500,819, Mar. 14.
Hall, Jesse E., Weatherford, Tex., assignor of ninety per cent to Nevada Leasehold Corporation, Las Vegas, Nev., and ten per cent to Parker Industrial Products, Inc., Weatherford, Tex. Cementing plug. 2,509,922, May 30.
Hall, John: *See*—
Gregory, Charles H., and Hall.
Hall John R., Chicago, Ill., assignor to International Harvester Company. Material discharge structure for hammer mills. 2,500,031, Mar. 7.
Hall, Joseph M., Chicago, Ill., assignor to Drying & Concentrating Company. Discharge mechanism for dehydrators. 2,503,233, Apr. 4.
Hall, Joseph M., Chicago, Ill., assignor to Drying & Concentrating Company. Gaseous current spray drier. 2,531,879, Nov. 28.
Hall, Keith W., Toledo, Ohio, assignor, by mesne assignments, to The Baldwin Locomotive Works. Force multiplying mechanism. 2,496,344, Feb. 7.
Hall, Keith W., Toledo, Ohio, assignor, by mesne assignments, to The Baldwin Locomotive Works. Thermo-injecting molding process. 2,501,329, Mar. 21.
Hall, Keith W., Toledo, Ohio, assignor by mesne assignments to The Baldwin Locomotive Works. Hydraulic cylinder velocity control. 2,512,205, June 20.
Hall Laboratories, Inc., assignee: *See*—
Albrecht, Kurt.
Hall, George O.
Munter, Casimir J.
Roland, Charles T.
Rosenbloom, Harold I.
Schneider, Charles G.
Hall, Lawrence J. and M. R., Suffern, N. Y., assignors to Damosel, Inc. Hair curler. 2,530,197, Nov. 14.
Hall, Lloyd A., Chicago, Ill., assignor to The Griffith Laboratories, Inc. Synergistic antioxidants and preparing the same. 2,493,288, Jan. 3.
Hall, Lloyd A., Chicago, Ill., assignor to The Griffith Laboratories, Inc. Antioxidant. 2,500,543, Mar. 14.
Hall, Lloyd A., Chicago, Ill., assignor to The Griffith Laboratories, Inc. Synergistic antioxidant. 2,511,802, June 13.
Hall, Lloyd A., Chicago, Ill., assignor to The Griffith Laboratories, Inc. Antioxidant flakes. 2,511,803, June 13.
Hall, Lloyd A., Chicago, Ill., assignor to The Griffith Laboratories, Inc. Synergistic antioxidant containing amino acids. 2,518,233, Aug. 8.
Hall, Lloyd A., Chicago, and L. Sair, Evergreen Park, Ill., assignors to The Griffith Laboratories, Inc. Antioxidant salt. 2,511,804, June 13.
Hall, Marchand B., assignor to Acme Visible Records, Inc., Chicago, Ill. Visible index embodying a plurality of swingable panels. 2,498,808, Feb. 28.
Hall, Marcus A. Bethany, Conn., assignor by mesne assignments, to Steelcraft Boats, Incorporated. Metal boat hull construction. 2,515,161, July 11.
Hall, Marcus A., Bethany, Conn., assignor to Steelcraft Boats, Incorporated. Boat hull. 2,515,162, July 11.
Hall, Marcus A., Bethany, Conn., assignor to Steelcraft Boats, Incorporated. Metal boat construction. 2,527,994, Oct. 31
Hall, Marcus A., Branford, Conn., assignor to Steelcraft Boats, Incorporated. Boat hull assembly jig. 2,522,037, Sept. 12.
Hall, May R.: *See*—
Hall, Lawrence J. and M. R.
Hall, Maynard G.: *See*—
Allen, William H., and Hall.
Hall, Maynard G., Rutherford, assignor to Empire Box Corporation, Garfield, N. J. Bottle carrier. 2,532,446, Dec. 5.
Hall, Maynard G., Rutherford, and M. H. Kowal, Prompton Falls, assignors to Empire Box Corporation, Garfield, N. J. Bottle carrier. 2,508,943, May 23.
Hall, Norman D., Washington, D. C. Printing. 2,520,928, Sept. 5.
Hall, Preston M., Warren, Ohio. Forming joints. 2,527,479, Oct. 24.
Hall, Ralph W., assignor to The Randall Company, Cincinnati, Ohio. Leather skiving machine or splitter. 2,524,013, Sept. 26.
Hall, Ralph W., assignor to The Randall Company, Cincinnati, Ohio. Leather skiving machine or splitter. 2,524,014, Sept. 26.
Hall, Ralph W., assignor to The Randall Company, Cincinnati, Ohio. Leather skiving machine or splitter. 2,524,015, Sept. 26.
Hall, Ralph W., assignor to The Randall Company, Cincinnati, Ohio. Leather skiving machine or splitter. 2,524,016, Sept. 26.
Hall, Ralph W., assignor to The Randall Company, Cincinnati, Ohio. Leather skiving machine or splitter. 2,527,811, Oct. 31.
Hall, Raymond E., Glen Ridge, N. J. Cathode-ray tube control circuits. 2,525,544, Oct. 10.
Hall, Reginald H., Sutton, and K. H. W. Tuerck, Banstead, England, assignors to The Distillers Company, Limited, Edinburgh, Scotland. Distillation of acetic anhydride from oxidation mixtures containing percompounds. 2,504,195, Apr. 18.
Hall, Reginald H., Sutton, and K. H. W. Tuerck, Banstead, England, assignors to The Distillers Company, Limited. Production of dimeric condensation products from unsaturated aldehydes. 2,528,592, Nov. 7.
Hall, Robert G., Mancelona, Mich. Baby's automobile traveling pen-bed. 2,533,792, Dec. 12.
Hall, Robert J., East Lansdowne, Pa. Garment collar. 2,526,024, Oct. 17.
Hall, Roland A.: *See*—
Potts, Clarence P., Ellerbe, and Hall.
Hall, Rolland G.: *See*—
Edell, Russell H., and Hall.

Hall, Ronald H., and D. M. McKim, Shawinigan Falls, Quebec, assignors to Shawinigan Chemicals Limited, Montreal, Quebec, Canada. Dispensing fluidized pulverulent materials. 2,509,431, May 30.
Hall, Sherwood C., Kings Beach, Calif. Ribbon type stranding machine. 2,495,251, Jan. 24.
Hall, Sidney W., San Antonio, Tex. Self-adjusting rocker arm. 2,532,905, Dec. 5.
Hall, Stanley A., Vancouver, British Columbia, Canada. Tuning mechanism. 2,505,111, Apr. 25.
Hall, Stanley A., Vancouver, British Columbia, Canada. Drive unit. 2,522,756, Sept. 19.
Hall, Teller B., Los Angeles, Calif. Shock absorbing landing device for paratroopers. 2,519,458, Aug. 22.
Hall, Theodore P.: *See*—
Laddon, Isaac M., and Hall.
Hall, Thomas A., Hillsdale, Oreg. Amusement and exercising apparatus. 2,529,017, Nov. 7.
Hall, Thomas R., Burlington, N. C. Butter mold. 2,506,213, May 2.
Hall, Victor C., Media, assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa. Inhaler. 2,517,482, Aug. 1.
Hall, Victor W.: *See*
Marchant, Lawrence E., Hall, and Creek.
Hall, Walter J. T., Benton Harbor, Mich. Holder for rotary tools with center holes of different sizes. 2,497,217, Feb. 14.
Hall, Ward T., Hyattsville, Md., assignor to W. H. Stewart, Syracuse, N. Y. Pipe cleaning tape reel. 2,512,324, June 20.
Hall, Wayne C., Cheverly, Md. Apparatus for the detection of displacements. 2,506,589, May 9.
Hall, Willard C., assignor to H. D. and W. C. Hall, copartners doing business as Electronic Enterprises, Los Angeles, Calif. Remote-control unit. 2,494,873, Jan. 17.
Hall, Willard C., Los Angeles, Calif. Static impedance and phase changing circuit. 2,505,288, Apr. 25.
Hall, Willard C., assignor to Electronics Enterprises, Los Angeles, Calif. Fluorescent lamp circuit. 2,507,101, May 9.
Hall, William D., Elkins, W. Va. Lost motion control system. 2,503,259, Apr. 11.
Hall, William D., Elkins, W. Va. Control system for heaters. 2,503,261, Apr. 11.
Hall, William D., Elkins, W. Va. Thermostatic air circulation fan control for combustion heaters. 2,503,262, Apr. 11.
Hall, William D., Washington, D. C. Burner control system. 2,503,260, Apr. 11.
Hall, William M., Lexington, and F. A. Gross, Weston, assignors to Raytheon Manufacturing Company, Newton, Mass. Heating apparatus. 2,500,676, Mar. 14.
Hall, William P.: *See*—
Ford, Florence M., and Hall.
Hall, William R., New York, N. Y. Electrical portable hedge trimmer. 2,509,564, May 30.
Hallander, Elvin E., West Caldwell, N. J., assignor to Star-Kimble Electric Company. Spring-applied electromagnetic released brake. 2,512,565, June 20.
Hallberg, Carl G., assignor to Acme Metal Products Corporation, Chicago, Ill. Drawer slide construction. 2,496,997, Feb. 7.
Hallden, Erik, assignor to Ex-Cell-O Corporation, Detroit, Mich. Drill chip breaker. 2,500,176, Mar. 14.
Hallden, Erik, assignor to Ex-Cell-O Corporation, Detroit, Mich. Drill chip breaker. 2,500,177, Mar. 14.
Hallden, Erik, assignor to Ex-Cell-O Corporation, Detroit, Mich. Drill chip breaker. 2,514,758, July 11.
Hallden, Erik, assignor to Ex-Cell-O Corporation, Detroit, Mich. Drill chip breaker. 2,514,759, July 11.
Hallden, Fred C., Brooklyn, assignor to International Business Machines Corporation, New York, N. Y. Comparing mechanism. 2,514,054, July 4.
Halldin, Carl O.: *See*—
Bilde, Tord E. D., and Halldin.
Hallead, Mervil, assignor to Michael Yundt Company, Waukesha, Wis. Transfer device. 2,497,767, Feb. 14.
Hallead, Mervil, assignor to Michael Yundt Company, Waukesha, Wis. Power-driven conveyer. 2,497,768, Feb. 14.
Hallenbeck, George E., assignor to Baker Bros., Inc., Toledo, Ohio. Machine tool. 2,506,958, May 9.
Hallenborg, Stewart G., Tenafly, N. J. Retainer remover. 2,506,356. May 2.
Haller, Anthony F. *See*—
McGowan, Donald J., Haller, and Hebberd.
Haller, Cecil E.: *See*—
Knowles, Dewey D., and Haller.
Haller, Cecil E., Lititz, Pa., assignor to Radio Corporation of America. Electron discharge device for high frequency. 2,521,364, Sept. 5.
Haller, George L., Dayton, Ohio. Radio antenna. 2,505,768, May 2.
Haller, George L., Dayton, Ohio. Antenna for aircraft. 2,522,222, Sept. 12.
Haller, George L., assignor to Haller, Raymond and Brown, Inc., State College, Pa. Announcing system. 2,501,048, Mar. 21.
Haller, George L., and E. M. Williams, Dayton, Ohio. Control apparatus. 2,505,182, Apr. 25.
Haller, Grace, Moscow, Ohio. Forming penicillin solution. 2,519,902, Aug. 22.
Haller, Jacob, San Francisco, Calif. Mounting oranges for dejuicing operations. 2,507,667, May 16.
Haller, John F., Niagara Falls, N. Y., assignor to Mathieson Chemical Corporation. Manufacture of chlorine dioxide. 2,510,034, May 30.
Haller, Raymond and Brown, Inc., assignee: *See*—
Haller, George L.
Hallerberg, Theodore W., Chicago, Ill. Electric indicator. 2,519,368, Aug. 22.
Hallett, Elton C., Los Angeles, assignor, by mesne assignments, to Hallett Manufacturing Company, Inglewood, Calif. Governor for engines. 2,503,946, Apr. 11.
Hallett, Elton C., Los Angeles, assignor, by mesne assignments, to Hallett Manufacturing Company, Inglewood, Calif. Diesel engine. 2,525,131, Oct. 10.
Hallett Manufacturing Company, assignee: *See*—
Hallett, Elton C.
Hallewell, George, assignor to Blackstone and Company Limited, Stamford, England. Caster with angular vibration damper. 2,529,769, Nov. 14.
Halley, Claire H., Detroit, Mich. Beauty mitt. 2,501,565, Mar. 21.
Hallgren, Karl S., Valby, Copenhagen, Denmark. Rubber sole for footwear. 2,527,414, Oct. 24.
Halliburton Oil Well Cementing Company, assignee: *See*—
Waters, Henry C.
Hallicrafters Co., The, assignee: *See*—
Case, Nelson P.
Mayberry, Leonard A.
Halligan, Charles P., assignee: *See* —
Morrison, George E.
Hallinan, William W., Racine, Wis. Atomizing nozzle. 2,503,481, Apr. 11.
Hallinan, William W., Racine, Wis. Thermostatically controlled atomizing nozzle. 2,508,788, May 23.
Hallinan, William W., Racine, Wis. Apparatus for hot-air heating systems. 2,512,425, June 20.
Hallinan, William W., Racine, Wis. Combustion head for oil burners and the like. 2,513,645, July 4.
Hallinan, William W., Racine, Wis. Thermostatically controlled, constant output atomizing fuel nozzle. 2,513,720, July 4.
Hallinan, William W., Racine, Wis. Filter. 2,521,060, Sept. 5.
Halliwell, Oswald, Chorley, England. Folding pram. 2,502,089, Mar. 28.
Hallman, Eric B., assignor to Electric Service Manufacturing Company, Philadelphia, Pa. Fluorescent light fixture. 2,505,112, Apr. 25.
Hallmark, Clyde E., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Self-tuning amplifier. 2,523,294, Sept. 26.
Hallmark, Clyde E., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Ultra high frequency oscillation generator. 2,531,426, Nov. 28.
Hallock, Robert L., Larchmont, N. Y., assignor to Elastic Stop Nut Corporation of America, Union Township, N. J. Fastening device. 2,498,627, Feb. 21.
Hallock, Robert L., Larchmont, N. Y. Dual-purpose, wand actuated suction cleaner tool. 2,516,205, July 25.
Hallowell, Horace J., Ridgefield, assignor to Bard-Parker Company, Inc., Danbury, Conn. Germicidal composition comprising formaldehyde and bis (2-hydroxy-3,5,6-trichlorophenyl) methane. 2,519,565, Aug. 22.
Hallowell, Howard T. Jenkintown, and J. P. Villo, Glenside, assignors to Standard Pressed Steel Co., Jenkintown, Pa. Magazine tool. 2,518,139, Aug. 8.
Hällqvist, Bror K., Stockholm, and L. O. J. Campbell, Norrkoping, assignors to Svenska Mjolkprodukter Aktiebolag, Stockholm, Sweden. Milk chocolate. 2,519,833, Aug. 22.
Hallstead, Leon A., assignor to X-T Building Block, Inc., Buffalo, N. Y. Building block with spaced slabs. 2,496,872, Feb. 7.
Hallwood, Nathan A., Columbus, Ohio; T. T. Hallwood, administratrix de bonis non of said N. A. Hallwood, deceased, assignor to T. T. Hallwood, Columbus, Ohio. Scales. 2,502,090, Mar. 28.
Hallwood, Thelma T., administratrix, assignee: *See*—
Hallwood, Nathan A.
Halmbacher, Paul, Waukesha, assignor to Paul-Lewis Laboratories, Inc., Milwaukee, Wis. Fat rendering process. 2,527,305, Oct. 24.
Haloski, Frank: *See*—
Verheyden, James A., and Haloski.
Halpern, Arthur L., New York, N. Y. Utility lamp. 2,516,866, Aug. 1.
Halpern, Bernard R.: *See*—
Zarkin, Charles, and Halpern.
Halpern, Bernard R., assignor to Charles Zarkin, New York, N. Y. Graining machine. 2,519,757, Aug. 22.
Halpern, Irving A., North Hollywood, Calif. Cleaning cement surfaces preparatory to painting. 2,529,549, Nov. 14.
Halpern, Julius: *See*—
Counter, Virgil A., Fairbank, and Halpern.
Halpert, Percy, Hempstead, N. Y., assignor to The Sperry Corporation. Instrument landing indicator. 2,502,721, Apr. 4.
Halpert, Percy, Hempstead, N. Y., assignor to The Sperry Corporation. Direct coupled amplifier for servomotor systems. 2,524,053, Oct. 3.

Halpert, Percy, Kew Gardens, N. Y., assignor to The Sperry Corporation. Automatic pilot follow-up control. 2,511,846, June 20.
Halstead, William S., Purchase, N. Y., assignor, by mesne assignments, to Farnsworth Research Corporation. Directive ultra high frequency antenna. 2,492,989, Jan. 3.
Halstead, William S., Purchase, N. Y., assignor, by mesne assignments, to Farnsworth Research Corporation. Pillow radio receiver. 2,512,641, June 27.
Halstead, William S., Purchase, N. Y., assignor, by mesne assignments, to Farnsworth Research Corporation. Airways navigational system. 2,523,295, Sept. 26.
Halstead, William S., Purchase, N. Y., assignor, by mesne assignments, to Farnsworth Research Corporation. Communicating system. 2,535,063, Dec. 26.
Haltenberger, Jules, La Jola, Calif. Brake lever. 2,518,234, Aug. 8.
Halter, Allan C., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Dynamoelectric machine field reversing system responsive to armature current. 2,523,047, Sept. 19.
Halter, Howard L., assignor to Opti-Phonetics, Inc., Tuckahoe, N. Y. Collapsible screen. 2,499,859, Mar. 7.
Halterman, Guy R.: *See*—
Jacobs, Leroy R., and Halterman.
Halvarsson, Harald, Ektorp, Sweden. Device for setting or checking gauges. 2,520,541, Aug. 29.
Halversen, Vernon: *See*—
Banff, Peter S., and Halversen.
Halverson, Ford W., Milwaukee, Wis. Pencil with mechanical means for advancing the lead thereof. 2,523,568, Sept. 26.
Halvorsen, Norman R., Brooklyn, N. Y. Internal wrench. 2,518,886, Aug. 15.
Halvorson, Helmer C., Lennox, S. Dak. Automatically released fuse link stick. 2,514,489, July 11.
Halverstadt, Isaac F., Berkeley, Calif., assignor to American Cyanamid Company, New York, N. Y. Preparation of beta-oxo esters. 2,527,306, Oct. 24.
Halward, Folke, Detroit, Mich. Piston lock. 2,532,768, Dec. 5.
Ham, Garnet P., Old Greenwich, and R. B. Barnes, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Purifying hydrocarbon liquids. 2,534,907, Dec. 19.
Ham, George E.: *See*—
Chapin, Earl C., and Ham.
Ham, George E., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Synthetic fiber preparation. 2,498,605, Feb. 21.
Ham, George E., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. The separation of gamma-valerolactone from water. 2,503,200, Apr. 4.
Ham, George E., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Blended olefinic copolymers. 2,520,086, Aug. 22.
Ham, George E., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Miscible mixture of alpha-cyanoacetamide and an acrylonitrile polymer. 2,522,445, Sept. 12.
Ham, George E., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Composition comprising polymerized acrylonitrile and solvent therefor. 2,529,449, Nov. 7.
Ham, Howard H., Kingsville, Tex. Camp cot canopy. 2,508,254, May 16.
Ham, Leon M., Selma, Ala. Apartment range. 2,526,476, Oct. 17.
Hamala, Edwin A., Cleveland Heights, Ohio, assignor to General Electric Company. Tank type vacuum cleaner with superimposed attachment carrying receptacle. 2,534,122, Dec. 12.
Haman, Maud E., Milwaukee, Wis. Sleeping bag for infants. 2,530,464, Nov. 21.
Hambleton, Gerald M., Sr., and R. G. Heinrich, Rochester, N. Y. Machine for the rotary shearing of metal or the like. 2,511,058, June 13.
Hambly, Allen E., Huntington Park, assignor to Byron Jackson Co., Vernon, Calif. Gun perforator. 2,517,560, Aug. 8.
Hamdi, Hadidje N., heir: *See*—
d'Halloy, Audoin.
Hamel, Donat H., Conemaugh, Pa. Pliers. 2,507,784, May 16.
Hamel, Jacob S., West Islip, N. Y., assignor to Lightolier, Incorporated. Reflector bowl. 2,499,580, Mar. 7.
Hamel, Lewis E., assignor to Lewis E. Hamel Co., Inc., Rochester, N. Y. Plastic fishhook and snell holder. 2,493,344, Jan. 3.
Hamel, Lewis E., Co., Inc., assignee: *See*—
Hamel, Lewis E.
Hamel, Richard T., Los Angeles, Calif. Dual-purpose sun visor. 2,517,872, Aug. 8.
Hamer, Leland S.: *See*—
Perry, Alois B., and Hamer.
Hamer, Leland S., Long Beach, assignor of one-fourth to P. A. Dewhirst, Los Angeles, Calif. Flow control. 2,499,380, Mar. 7.
Hamer, Leland S., Long Beach, assignor of one-fourth to P. A. Dewhirst, Los Angeles, Calif. Line control. 2,499,381, Mar. 7.
Hamer, Leland S., Long Beach, assignor of one-fourth to P. A. Dewhirst, Los Angeles, Calif. Flow controlling device. 2,499,382, Mar. 7.
Hamer, Leland S., Long Beach, assignor of one-fourth to P. A. Dewhirst, Los Angeles, Calif. Double gate valve. 2,499,383, Mar. 7.
Hamill, Hugh: *See*—
Brander, David, and Hamill.
Hamill, Ret O., New Era, Mich. Mechanism for transferring a maximum demand indication from one indicator to another indicator when the former is restored to its initial position. 2,531,038, Nov. 21.
Hamill, William W., Little Aston, England. Pipe joint. 2,505,397 Apr. 25.
Hamill, William W., Little Aston, England. Gear-tooth rotary pump. 2,530,767, Nov. 21.
Hamilton, Alan A.: *See*—
Holliday, Clyde, and Hamilton.
Hamilton, Arthur, Harrisburg, Ark. Automatic window shutter. 2,506,829, May 9.
Hamilton, Beauchamp & Woodworth, assignee: *See*—
Beauchamp, Frederic A.
Hamilton, Bert C., La Grande, Oreg. Bushing remover and replacer. 2,497,498, Feb. 14.
Hamilton, Bertis F., Columbus, Ind. Seat for chairs or stools. 2,525,670, Oct. 10.
Hamilton, Carol, Woodside, N. Y. Coin-holding bracelet. 2,521,006, Sept. 5.
Hamilton, Francis E.: *See*—
Beattie, Horace S., Hamilton and Daly.
Hamilton, George E., Parkersburg, W. Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Dispersion of pigments in ethylene polymers. 2,512,459, June 20.
Hamilton, George S., Bartlett, Ill. Corn planter. 2,520,680, Aug. 29.
Hamilton, Howard, assignor to H. Hamilton, H. E. Helm, T. L. Conlon, and J. H. Pace, doing business as The Elvadoor Company, Detroit, Mich. Cargo handling means. 2,498,161, Feb. 21.
Hamilton, James C., Lexington, assignor to Combustion Control Corporation, Cambridge, Mass. Electromagnetic relay. 2,495,325, Jan. 24.
Hamilton, James H., Salt Lake City, Utah, assignor to Western Precipitation Corporation, Los Angeles, Calif. Electrical precipitator. 2,503,617, Apr. 11.
Hamilton, James O., Dundalk, and L. J. Rozankowski, Baltimore, Md., assignors to Western Electric Company, Incorporated, New York, N. Y. Apparatus for assembling potentiometers. 2,527,812, Oct. 31.
Hamilton, Kenneth C., Milwaukee County, assignor to Milwaukee Lace Paper Company, Milwaukee, Wis. Sputum cup. 2,503,045, Apr. 4.
Hamilton, Lawrence G., Des Moines, Iowa. Time control device. 2,501,274, Mar. 21.
Hamilton, Lew W., Chicago, Ill. Separable mounting for memoranda pads. 2,526,352, Oct. 17.
Hamilton, Lloyd L., Oklahoma City, Okla. Automatic drain valve for compressed air reservoirs. 2,509,597, May 30.
Hamilton Manufacturing Company, assignee: *See*—
Moore, James R.
Hamilton, Matthew E., Dearborn, assignor to Harry Ferguson, Inc., Detroit, Mich. Hammer mill rotor structure. 2,494,705, Jan. 17.
Hamilton, Monroe H.: *See*—
Toland, William C., Reynolds, and Hamilton.
Hamilton National Bank: *See*—
Straussberger, John H.
Hamilton, Perry H., Baltimore, Md., assignor by mesne assignments, to Poor & Company, Chicago, Ill. Cribbing device. 2,506,828, May 9.
Hamilton, Philip E., Beaver Falls, Pa. Electrical outlet with movable closure. 2,515,003, July 11.
Hamilton, Philip E., Beaver Falls, Pa. Electrical outlet with movable closure. 2,515,870, July 18.
Hamilton, Ralph F. G., assignor to Rotax Limited, London, England. Battery-charging system including alternating current dynamo with regulator and rectifier. 2,519,650, Aug. 22.
Hamilton, Ray S.: *See*—
Higginbotham, Beverly M., and Hamilton.
Hamilton, Raymond G., Salem, Mass. Magnetic eyecup. 2,524,972, Oct. 10.
Hamilton, Robert D., Altadena, Calif. Palm tree trunk trimmer. 2,534,595, Dec. 19.
Hamilton, Robert M., Clinton, Iowa, and E. Yanovsky, Philadelphia, Pa., assignors to the United State of America as represented by the Secretary of Agriculture. Solubilizing allyl starch. 2,524,792, Oct. 10.
Hamilton, Roger A., Rutherford, N. J. Amusement device. 2,495,967, Jan. 31.
Hamilton, Ronald M., Farnham, assignor to Hamilton's Lilyflex Surfaces Limited, London, England. Device for supporting moving vehicles on water. 2,527,995, Oct. 31.
Hamilton Scheu & Walsh Shoe Co., assignee: *See*—
Walsh, John J.
Hamilton, Tolbert, Oakland, Calif. Camp trailer. 2,503,482, Apr. 11.
Hamilton, Wallace, Albany, N. Y., assignor to Draper Corporation, Hopedale, Mass. Letoff for looms. 2,513,561, July 4.
Hamilton, Wallace, assignor to Consolidated Car-Heating Company, Inc., Albany, N. Y. Control device and operator therefor. 2,521,973, Sept. 12.

Hamilton Watch Company, assignee: *See*—
Bennett, William O., Jr.
Childs, Gilbert C., III.
Martin, Joseph S., Jr.

Hamilton, William, Frimley Green, England. Formwork or shuttering for concrete and like structures. 2,522,360, Sept. 12.

Hamilton, William C., Oklahoma City, Okla. Journal binder. 2,506,357, May 2.

Hamilton, William K.: *See*—
Hamilton, William L. and W. K.

Hamilton, William L. and W. K., Bangor, Mich. Spraying apparatus support. 2,507,668, May 16.

Hamilton, William T., Rensselaer, N. Y. Automatic gas burner control. 2,520,542, Aug. 29.

Hamilton's Lilyflex Surfaces Limited, assignee: *See*—
Hamilton, Ronald M.

Hamley, Lester H., Pendleton, Oreg. Buckle for stirrup straps. 2,502,649, Apr. 4.

Hamlett, Harry W., London, England. Rotary plow and screen. 2,533,793, Dec. 12.

Hamlin, Bensen, Niagara Falls, N. Y., assignor to Jolene Corporation, Berea, Ohio. Saddle tank for motor vehicles. 2,530,819, Nov. 21.

Hamlin, Carl B.: *See*—
Akers, Joshua R., and Hamlin.

Hamlin, David W., Silver Spring, Md., assignor to the United States of America as represented by the Secretary of the Navy. Cutting tool for emptying shells. 2,517,106, Aug. 1.

Hamlin, Henry F.: *See*—
Armstrong, Francis J., and Hamlin.

Hamm, Alexander L.: *See*—
Gagliardi, Emilio A. J., Mellor, and Hamm.

Hamm, Alexander L., New York, N. Y., assignor to Combustion Engineering-Superheater, Inc. Superheater for chemical recovery units. 2,519,566, Aug. 22.

Hamm, Clarence L., Marblehead, Mass., assignor to General Electric Company. Vertical shaft motor. 2,516,567, July 25.

Hamm, Homer A., Chicago, Ill. Pot holder. 2,501,815, Mar. 28.

Hamman, Lyle J., assignor to Eaton Stamping Company, Eaton Rapids, Mich. Oil bath air cleaner construction. 2,514,543, July 11.

Hammaren, Berndt W., Floral Park, N. Y., and R. V. Townend, Arlington, N. J., assignors to Allied Chemical & Dye Corporation, New York, N. Y. Manufacture of phosphoric acid. 2,531,977, Nov. 28.

Hammarén, Berndt W., Mineola, N. Y., P. A. Florio, Wilmington, Del., and R. V. Townend, Arlington, N. J., assignors to Allied Chemical & Dye Corporation, New York, N. Y. Conditioning clay for manufacture of aluminum sulfate. 2,531,978, Nov. 28.

Hammarlund Manufacturing Company, Inc., The, assignee: *See*—
Ritzert, Robert W.

Hammel, Jay E., Oak Ridge, Tenn., assignor, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission. Coulombmeter. 2,531,811, Nov. 28.

Hammell, Kemper M., Detroit, Mich., assignor to Eureka Williams Corporation. Thermostatic control mechanism. 2,496,715, Feb. 7.

Hammell, Kemper M., Detroit, Mich., assignor to Eureka Williams Corporation. Cordless electric iron. 2,497,452, Feb. 14.

Hammell, Kemper M., Detroit, Mich., assignor to Eureka Williams Corporation. Rotary agitator for suction cleaners. 2,512,544, June 20.

Hammell, Kemper M., Detroit, Mich., assignor to Eureka Williams Corporation. Suction cleaner. 2,514,280, July 4.

Hammell, Kemper M., and Robert R. Witherell, Bloomington, Ill., assignors to Eureka Williams Corporation, Detroit, Mich. Oil burner of the spinner type. 2,507,006, May 9.

Hammer, Bernard W.: *See*—
Hoecker, Wesley H., and Hammer.

Hammer Brothers, Incorporated, assignee: *See*—
Hammer, Hy C.

Hammer, Hy C., assignor to Hammer Brothers, Incorporated, Chicago, Ill. Illuminated sign apparatus. 2,499,063, Feb. 28.

Hammer, Nathan, New York, N. Y. Window screen. 2,515,708, July 18.

Hammer, Oscar H.: *See*—
Dieter, Curtis E., and Hammer.

Hammer, Oscar H., South Haven, assignor to The Dow Chemical Company, Midland, Mich. Miticidal composition comprising di-(4-chlorophenoxy)-methane and the dicyclohexylamine salt of 2,4-dinitro-6-cyclohexyl phenol. 2,524,728, Oct. 3.

Hammer, Roland A.: *See*—
Hinkle, Paul S., and Hammer.

Hammer, Rolf O., Pittsburgh, Pa., assignor to Carnegie-Illinois Steel Corporation. Packaging metal sheets for shipment. 2,526,228, Oct. 17.

Hammerle, Alfred T., Boston, Mass. Treating woolen slivers and the like. 2,505,618, Apr. 25.

Hammerly, Herman J., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Electromagnetically actuated switch. 2,500,635, Mar. 14.

Hammerly, Herman J., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Safety switch. 2,506,147, May 2.

Hammerly, Herman J., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Safety switch. 2,506,148, May 2.

Hammerly, Herman J., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Snap operating means for actuating detachable switches. 2,515,449, July 18.

Hammerly, Herman J., and A. H. Veitch, assignors to The Trumbull Electric Manufacturing Company, Plainville, Conn. Clamping device for face plates, panel fronts, or trim for enclosed switches, etc. 2,501,722, Mar. 28.

Hammerstein, Arthur, Palatine, Ill. Dispensing device for table salt and the like. 2,525,409, Oct. 10.

Hammerstrom, Karl R., Dormont, Pa., assignor to United States Steel Corporation of Delaware. Railway bolster center bearings. 2,501,049, Mar. 21.

Hammon, George L., Oakland, assignor to National Welding Equipment Co., San Francisco, Calif. Valve. 2,507,102, May 9.

Hammon, William R., assignee: *See*—
Bullock, Jesse T.

Hammond, Alan R.: *See*—
Miller, Samuel A., and Hammond.

Hammond, Alan R., J. A. John, and R. Page, Spondon, near Derby, England, assignors to Celanese Corporation of America. Production of monochloracetic acid. 2,503,334, Apr. 11.

Hammond, Clyde W.: *See*—
Cates, Waldo S., and Hammond.

Hammond, Edmund B., Jr., Albertson, N. Y., assignor to The Sperry Corporation. Nutation damping means for gyroscopic instruments. 2,520,929, Sept. 5.

Hammond, Eugene H., Berwyn, and G. D. Wetherbee, Chicago, Ill.; said Wetherbee assignor to said Hammond. Heating system. 2,529,154, Nov. 7.

Hammond, Gordon, Ashland, and R. E. Jacke, assignors to Reynolds Metals Company, Richmond, Va. Accelerating the freezing of foods. 2,529,388, Nov. 7.

Hammond, Harold W., and R. W. Katz, Brookline, Mass. Emergency traction attachment. 2,524,973, Oct. 10.

Hammond Instrument Company, assignee: *See*—
Hammond, Laurens.
Hammond, Laurens, and Hanert.
Hammond, Laurens, and Stephens.
Hanert, John M.
Hanert, John M., and Hammond.

Hammond Iron Works, assignee: *See*—
Plummer, Fred L.

Hammond, John A. S., Glenbrook, Conn., assignor to U. S. Industrial Chemicals, Inc., New York, N. Y. Preparations of phenyl chloroformate. 2,496,091, Jan. 31.

Hammond, John H., Jr., Gloucester, Mass. Mobile housing unit. 2,499,498, Mar. 7.

Hammond, John H., Jr., Gloucester, Mass., assignor to Radio Corporation of America, New York, N. Y. Amplitude modulation signal correction system. 2,501,330, Mar. 21.

Hammond, John H., Jr., Gloucester, Mass. Phonograph record. 2,511,708, June 13.

Hammond, John H., Jr., Gloucester, Mass. Garment hanger. 2,529,294, Nov. 7.

Hammond, John W., assignor to Bendix Aviation Corporation, Towson, Md. Phonograph pickup system. 2,522,870, Sept. 19.

Hammond, Joseph, Rockford, Ill. Phonograph record file and cabinet. 2,516,116, July 25.

Hammond, Laurens: *See*—
Hanert, John M., and Hammond.

Hammond, Laurens, assignor to Hammond Instrument Company, Chicago, Ill. Electrical musical instrument. Re. 23,200, Feb. 28.

Hammond, Laurens, assignor to Hammond Instrument Company, Chicago, Ill. Organ console. 2,506,451, May 2.

Hammond, Laurens, assignor to Hammond Instrument Company, Chicago, Ill. Gyroscope. 2,517,786, Aug. 8.

Hammond, Laurens, assignor to Hammond Instrument Company, Chicago, Ill. Level flight control apparatus. 2,525,900, Oct. 17.

Hammond, Laurens, assignor to Hammond Instrument Company, Chicago, Ill. Radio antenna apparatus. 2,535,850, Dec. 26.

Hammond, Laurens, Chicago, and J. M. Hanert, Park Ridge, Ill., assignors to Hammond Instrument Company, Chicago, Ill. Electrical musical instrument. 2,498,367, Feb. 21.

Hammond, Laurens, Chicago, and G. H. Stephens, Glencoe, assignors to Hammond Instrument Company, Chicago, Ill. Pedal clavier for musical instruments. 2,499,244, Feb. 28.

Hammond, Laurens, Chicago, and J. M. Hanert, Park Ridge, assignors to Hammond Instrument Company, Chicago, Ill. Electrical musical instrument. 2,501,172, Mar. 21.

Hammond, Lee C., assignor to Hammond Machinery Builders, Inc., Kalamazoo, Mich. Saw gauge. 2,520,837, Aug. 29.

Hammond Machinery Builders, Inc., assignee: *See*—
Hammond, Lee C.
Sutton, Donald E.

Hammond, Milton B.: *See*—
Rowland, Frederick T., and Hammond.
Hammond, Milton B., Edgeworth, and G. B. Bowman, assignors to Standard Steel Spring Company, Coraopolis, Pa. Solution for anodic polishing of steel and iron articles. 2,493,579, Jan. 3.
Hammond, Owen E., Belvidere, Ill. Pencil sharpener. 2,495,631, Jan. 24.
Hammond, Richard N.: *See*—
Hatch, Raymond S., and Hammond.
Hammond, Roy E., Chicago, Ill. Frost removing tool. 2,511,161, June 13.
Hammond, Wallace T., Craven, Homerton, London, England, assignor, by mesne assignments, to The Sherwin-Williams Company, Cleveland, Ohio. Manufacture of interpolymers of aromatic vinyl hydrocarbons and oils. 2,509,495, May 30.
Hamner, James C.: *See*—
Hamner, James H., J. C., and L. H.
Hamner, James H., J. C., and L. H., Clarksdale, Miss. Combined machine for picking and separating cotton. 2,503,616, Apr. 11.
Hamner, Lloyd H.: *See*—
Hamner, James H., J. C. and L. H.
Hampe, Edward M.: *See*—
Drugnand, Lester D., and Hampe.
Hampel, Clifford A., Harvey, assignor to Cardox Corporation, Chicago, Ill. Separation and recovery of inorganic salts. 2,496,288, Feb. 7.
Hampel, Clifford A., Harvey, assignor to Cardox Corporation, Chicago, Ill. Separation and recovery of inorganic salts. 2,496,289, Feb. 7.
Hampel, Clifford A., Harvey, assignor to Cardox Corporation, Chicago, Ill. Separation and recovery of inorganic salts. 2,496,290, Feb. 7.
Hampel, Clifford A., Harvey, Ill., and W. L. Norem, Richmond, Calif., assignors to Cardox Corporation, Chicago, Ill. Separating chemical compounds. 2,496,287, Feb. 7.
Hampshire, William J., Cygnet, Ohio. Airplane with adjustable wings. 2,523,427, Sept. 26.
Hampton, Andrew T., assignor of one-half to C. Hampton, Burbank, Calif. Combination jaw and collet chuck. 2,500,491, Mar. 14.
Hampton, Burt L., Jacksonville, Fla., assignor, by mesne assignments, to The Glidden Company, Cleveland, Ohio. Refined rosin products and processes. 2,494,550, Jan. 17.
Hampton, Burt L., Jacksonville, Fla., assignor, by mesne assignments, to The Glidden Company, Cleveland, Ohio. Refined rosin products and processes. 2,497,882, Feb. 21.
Hampton, Burt L., Jacksonville, Fla., assignor, by mesne assignments, to The Glidden Company, Cleveland, Ohio. Polymerization of rosin. 2,503,263, Apr. 11.
Hampton, Burt L., Jacksonville, Fla., assignor, by mesne assignments, to The Glidden Company, Cleveland, Ohio. Polymerization of rosin. 2,503,264, Apr. 11.
Hampton, Burt L., Jacksonville, Fla., assignor, by mesne assignments, to The Glidden Company, Cleveland, Ohio. Polymerization of rosin using activated earths. 2,515,218, July 18.
Hampton, Claude, assignee: *See*—
Hampton, Andrew T.
Hampton, Francis R.: *See*—
Waite, Robert W., and Hampton.
Hampton, Harold J., Clifton Junction, near Manchester, England, assignor to The Electric Storage Battery Co. Making wood separators for lead-acid electric accumulators. 2,529,389, Nov. 7.
Hampton, Jaunita M., assignee: *See*—
Hampton, Warren E., and Murray.
Hampton Machine Company, assignee: *See*—
Pendleton, Pyam L.
Hampton, Merle F., deceased, Tulsa, Okla., by The First National Bank and Trust Company, Tulsa, Okla., executor. Pipe patch. 2,520,802, Aug. 29.
Hampton, Robert H.: *See*—
Sebastian, David, Hampton, and Heggen.
Hampton, Warren E., and L. J. Murray, assignors of thirty-three and one-third to J. M. Hampton, Baltimore, Md. Rotatable telephone stand. 2,512,933, June 27.
Hampton, William H., and H. W. Weigand, Leavenworth, Kans. Hoist. 2,518,776, Aug. 15.
Hamra, Sam, assignee: *See*—
Lawrence, Durward L.
Hamvas, Laszlo U., Schenectady, N. Y., assignor to General Electric Company. Getter supporting structure. 2,523,016, Sept. 19.
Hana, Thomas C., Great Neck, N. Y., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Pulse amplitude regulation. 2,509,269, May 30.
Hanback, Frank G., Allegany, N. Y. Magnetic toy. 2,530,013, Nov. 14.
Hanby, Paul J., Dayton, Ohio. Hoisting mechanism for removing a container from a basement. 2,517,787, Aug. 8.
Hance, Charles R., Durham, N. C., and G. H. Wagner, Kenmore, N. Y., assignors to The Linde Air Products Company. Disproportionation of alkoxysilanes. 2,530,367, Nov. 21.
Hance, Robert T., Cincinnati, Ohio, and H. C. O'Brien, Jr., Beaver, Pa., assignors, by mesne assignments, to Cincinnati Milling Machine Company, Cincinnati, Ohio. Metalworking lubricant. 2,524,017, Sept. 26.
Hancharik, William P., Upper Black Eddy, Pa. Dowel making machine. 2,529,018, Nov. 7.
Hanchett, George D., Jr., Millburn, N. J., assignor to Radio Corporation of America. Electronic thermostat. 2,511,981, June 20.
Hanchett, George D., Jr., Millburn, N. J., assignor to Radio Corporation of America. Multiple circuit breaker. 2,514,863, July 11.
Hanchett, George D., Jr., Millburn, N. J., assignor to Radio Corporation of America. Testing apparatus for voltage regulator tubes. 2,524,225, Oct. 3.
Hancock Brick & Tile Company, The, assignee: *See*—
Dear, Earl.
Hancock, Chester F.: *See*—
Ludman, Charles P., and Hancock.
Hancock, Douglas C.: *See*—
Lorch, Hermann R., Hancock, and Richardson.
Hancock, Douglas C., North Wembley, and H. R. Lorch, assignors to British Insulated Callender's Cables Limited, London, England. Method and apparatus for manufacture of insulated wire and cables for electrical purposes. 2,509,432, May 30.
Hancock, Gene, Aripine, assignor of one-half to J. M. Hancock, Navajo County, Ariz. Portable stock water heater for ponds or the like. 2,512,934, June 27.
Hancock, George E., assignee: *See*—
Dyal, Gilford E.
Hancock, Henry C., San Antonio, Tex. Bench vise for saw filers. 2,504,410, Apr. 18.
Hancock, Hester K.: *See*—
Hancock, Thad L. and H. K.
Hancock, James E., Lubbock, Tex. Rotary terracer and ditcher. 2,510,779, June 6.
Hancock, James E., Lubbock, Tex. Terracing machine. 2,527,415, Oct. 24.
Hancock, John L., Melrose Park, assignor to Nader Engineering Company, Chicago, Ill. Electromagnetically controlled brake. 2,520,204, Aug. 29.
Hancock, John M., assignee: *See*—
Hancock, Gene.
Hancock, Maurice: *See*—
Cunningham, Leslie B. C., Ford, Barnes, Sykes, Hancock, and Robinson.
Hancock, Thad L. and H. K., La Marque, Tex. Safety driving light mounting. 2,498,620, Feb. 21.
Hancock Tool Manufacturing Company, assignee: *See*—
Vosbikian, James.
Hand, Clare R.: *See*—
Britton, Edgar C., and Monroe, and Hand.
Monroe, Ezra, and Hand.
Hand, Hugh T., assignor to T. W. Hand Fireworks Co. Limited, Cooksville, Ontario, Canada. Toy torpedo. 2,517,427, Aug. 1.
Hand, Leslie T., Brooklyn, assignor to Morsegraph Inc., New York, N. Y. Paper folding machine and method. 2,531,213, Nov. 21.
Hand, Margaret A.: *See*—
Von Glahn, William H., Stanley, and Hand.
Hand, Spurgeon L., assignor of fifty percent to M. H. Fitzgerald, Mineral Wells, Tex. Combination lawn chair and lounge. 2,520,094, Aug. 22.
Hand, T. W., Fireworks Co. Limited, assignee: *See*—
Hand, Hugh T.
Handel, Alfred J., Seattle, Wash., assignor to The Sperry Corporation, Great Neck, N. Y. Gyrohorizon. 2,492,992, Jan. 3.
Handelsvennootschap Transformatorenfabrick Firma Gebr. Olthof, assignee: *See*—
Olthof, Menno.
Handler, Elliot, assignor to Mattel Creations, Los Angeles, Calif. Musical instrument. 2,502,722, Apr. 4.
Handler, Julius J., Chicago, and D. B. Pratt, Jr., Evanston, assignors to Chapman & Smith Company, Chicago, Ill. Nutritional and conditioning composition for baked wheat flour products. 2,530,046, Nov. 14.
Handley, John, Middlesex, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Soldering iron. 2,517,561, Aug. 8.
Handley, John, Purley, England, assignor to The Union Totalisator Company Limited, Glasgow, Scotland. Ticket-printing and issuing machine. 2,527,996, Oct. 31.
Handley, Leo C., Three Rivers, Mich. Furnace scoop. 2,505,113, Apr. 25.
Handlos, Arthur E.: *See*—
Pierotti, Gino J., Handlos, and Reider.
Handlos, Arthur E., Berkeley, and G. J. Pierotti, Albany, assignors to Shell Development Company, San Francisco, Calif. Azeotropic distillation of hydrocarbons from sulfolanes. 2,496,207, Jan. 31.
Handoll, Percy G., and P. R. Bettle, London, England, assignors to Diamond Power Specialty Corporation, Detroit, Mich. Manually oscillatable and rotatable portable soot blower. 2,532,447, Dec. 5.
Handschin, Max, Kusnacht, Switzerland, assignor to Daphne Investment Trust, Vaduz, Liechtenstein. Device for automatically switching off a telephonograph. 2,519,567, Aug. 22.

Handschin, Max, Kusnacht, Switzerland, assignor to Daphne Investment Trust, Vaduz, Liechtenstein. Operating telephonographs. 2,519,568, Aug. 22.

Handwerk, Erwin C.: *See*—
Mahler, George T., and Handwerk.

Handwerk, Erwin C., Lehighton, and G. T. Mahler, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y. Zinc condenser. 2,494,551, Jan. 17.

Handy, Carleton T.: *See*—
Barrick, Paul L., Handy, and Schreiber.

Hane, Gus, Chico, Calif. Arrow projecting toy gun. 2,528,723, Nov. 7.

Haneiko, John G., East Aurora, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electronic control system for direct-current motors. 2,516,568, July 25.

Haneiko, John G., East Aurora, and W. G. Roman, Buffalo, N. Y., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electronic system for operating direct-current motors from an alternating-current supply. 2,504,123, Apr. 18.

Haner, Robert B.: *See*—
O'Brien, John C., and Haner.

Haner, Robert B., Scottsville, assignor to General Railway Signal Company, Rochester, N. Y. Signal generator. 2,498,809, Feb. 28.

Hanert, John M.: *See*—
Hammond, Laurens, and Hanert.

Hanert, John M., Park Ridge, assignor to Hammond Instrument Company, Chicago, Ill. Electrical transmission system for musical instruments. 2,495,581, Jan. 24.

Hanert, John M., Park Ridge, assignor to Hammond Instrument Company, Chicago, Ill. Electrical musical instrument. 2,500,820, Mar. 14.

Hanert, John M., Park Ridge, assignor to Hammond Instrument Company, Chicago, Ill. Electrical musical instrument. 2,500,821, Mar. 14.

Hanert, John M., Park Ridge, and L. Hammond, assignors to Hammond Instrument Company, Chicago, Ill. Electrical musical instrument. 2,508,514, May 23.

Hanert, John M., Park Ridge, assignor to Hammond Instrument Company, Chicago, Ill. Electrical musical apparatus. 2,509,923, May 30.

Hanert, John M., Park Ridge, assignor to Hammond Instrument Company, Chicago, Ill. Electrical musical instrument. 2,514,490, July 11.

Hanes Hosiery Mills Co., assignee: *See*—
Miller, Eugene F.

Hanes Hosiery Mills Company, assignee: *See*—
Miller, Eugene F.

Haney, Marcus D., Spindale, N. C. Variable beat-up motion for looms. 2,514,603, July 11.

Haney, Virgil B., Corpus Christi, Tex. Golf club cart. 2,513,020, June 27.

Hanff, Edward A., assignor to Swindell-Dressler Corporation, Pittsburgh, Pa. Furnace door operating mechanism. 2,532,841, Dec. 5.

Hanford, William E., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Production of azo dyestuff images from n-acyl-n-aryl hydrazine developers. 2,495,000, Jan. 17.

Hanford, William E., Easton, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Copolymer of vinyl fluoride and chlorotrifluoroethylene. 2,513,312, July 4.

Hanford, William E., Short Hills, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Production of azo dyestuff images from N-acyl-N-aryl hydrazine developers. 2,498,418, Feb. 21.

Hanford, William E., Short Hills, N. J., and R. M. Joyce, Jr., Holly Oak, assignors to E. I. du Point de Nemours & Company, Wilmington, Del. Telomers of monoolefins and saturated halogenated carboxylic acids, esters, and anhydrides. 2,507,568, May 16.

Hang-All Corporation, assignee: *See*—
Seidler, Carl.

Hangosky, Clarence W., East Lansing, Mich. Method and apparatus for electrolytically treating metal surfaces. 2,532,907, Dec. 5.

Hangosky, Clarence W., East Lansing, Mich., and C. S. Hornberger, Glen Ellyn, Ill., said Hornberger assignor to Central Scientific Company. Electrolytic processing apparatus. 2,532,908, Dec. 5.

Hanhart, Walther: *See*—
Straub, Fritz, Hanhart, and Mannhart.

Hanhart, Walter, Riehen, assignor to Ciba Limited, Basel, Switzerland. Polyazo dyestuffs. 2,519,651, Aug. 22.

Haniuk, Nicholas K., Santa Monica, Calif. Digit sucking deterrent. 2,498,122, Feb. 21.

Hankey, William D.: *See*—
Cherry, Glenn A., and Hankey.

Hankin, Francis, & Co. Limited, assignee: *See*—
Miller, George.

Hankin, George, Southwick, Mass. Animal watering fountain. 2,525,453, Oct. 10.

Hankins, Elinor M., Keyport, N. J., assignor to Standard Oil Development Company. Asphalt wetting agents. 2,534,713, Dec. 19.

Hanks, Harold M., San Francisco, Calif. Oil dispensing pump. 2,520,398, Aug. 29.

Hanks, Marshall W., and A. B. Johnson, assignors to Hankscraft Company, Madison, Wis. Vaporizer. 2,533,794, Dec. 12.

Hankscraft Company, assignee: *See*—
Hanks, Marshall W., and Johnson.

Hanley, John A., Noroton, Conn. Electric motor. 2,527,416, Oct. 24.

Hanley, Stanley M., assignee: *See*—
Pogorzelski, Roman J.

Hanley, Thure E.: *See*—
Haeff, Andrew V., Hanley, and Smith.

Hanlon & Goodman Co., assignee: *See*—
Eisner, Robert S.

Hanmer, Robert S.: *See*—
Smith, Fredrick M., and Hanmer.

Hann, William E., Los Angeles, Calif. Internal-combustion outboard motor having auxiliary electric motor for starting and trolling. 2,504,833, Apr. 18.

Hanna, Atto N., Atlantic Highlands, N. J. Key holder. 2,508,024, May 16.

Hanna, Atto N., Atlantic Highlands, N. J. Loose-leaf binder clip. 2,508,157, May 16.

Hanna, Clinton R.: *See*—
Oplinger, Kirk A., Hanna, and Lynn.

Hanna, Clinton R., Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Stabilizing system. 2,492,990, Jan. 3.

Hanna, Clinton R., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Gyroscopically controlled elevator system. 2,508,158, May 16.

Hanna, Clinton R., Pittsburgh, and L. B. Lynn, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Stable element gyro. 2,519,459, Aug. 22.

Hanna, Clinton R., L. B. Lynn, and S. J. Mikina, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Stabilizing mechanism for wheeled vehicles. 2,523,113, Sept. 19.

Hanna Engineering Works, assignee: *See*—
Schupner, Willard J.

Hanna, Frederick B., assignee: *See*—
Donalson, Joe W., and Oberhansly.

Hanna Furnace Corporation, The, assignee: *See*—
Gilbert, Stanley A., and Stanley.

Hanna, John W., Chicago, Ill. Swinging frame portable saw. 2,496,716, Feb. 7.

Hanna, Merrill O., East Malvern, Victoria, Australia. Upsetting of metal rods or bars. 2,495,060, Jan. 17.

Hanna, Raymond P., Pittsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Trolley conductor support. 2,519,962, Aug. 22.

Hanna, Raymond P., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Conductor switching system. 2,515,999, July 18.

Hanna, Raymond P., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburg, Pa. Trolley conductor support. 2,525,483, Oct. 10.

Hanna, Raymond P., and J. C. Ponstingl, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system for switch devices. 2,523,122, Sept. 19.

Hanna, Raymond P., and L. F. Brahmer, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Trolley conductor device. 2,525,484, Oct. 10.

Hanna, V. D., assignee: *See*—
Carlson, Emil.

Hanna, Warren T., Natick, Mass. Snap hook with opening means. 2,492,991, Jan. 3.

Hanna, William T., Cincinnati, Ohio. Tender conveyer for locomotive stokers. 2,516,770, July 25.

Hanna, William T., Cincinnati, Ohio. Locomotive stoker, including a peep sight. 2,518,887, Aug. 15.

Hannable, Daniel W.: *See*—
Dixon, Paul H., and Hannable.

Hannan, Patrick J.: *See*—
Feinstein, Louis, and Hannan.

Hannay, Clifford B., & Son, Inc., assignee: *See*—
Hannay, Dwight C.
Hannay, Richard.

Hannay, Dwight C., assignor to Clifford B. Hannay & Son, Inc., Westerlo, N. Y. Hose reel. 2,514,862, July 11.

Hannay, Richard, assignor to Clifford B. Hannay & Son, Inc., Westerlo, N. Y. Hose reel seal. 2,506,830, May 9.

Hannes, Wilbert H., Willow Grove, assignor to Roxy Lawnshear Corporation, Elkins Park, Pa. Power transmission device. 2,506,548, May 2.

Hannifin Corporation, assignee: *See*—
Peterson, Victor W., and Maha.

Hannion, Marcel, and I. Scriabine, Lyons, assignors, by mesne assignments, to Societa des Usines Chimiques Rhone-Poulenc, Paris, France. Preparation of hydroquinone. 2,495,521, Jan. 24.

Hanno, Tore V., Stora Essingen, assignor to Aktiebolaget Separator, Stockholm, Sweden. Centrifugal separator. 2,502,945, Apr. 4.

Hannon, Albert, Springfield, Ohio. Apparatus for electroprocessing workpieces. 2,512,642, June 27.

Hannon, Albert, Springfield, Ohio. Apparatus for processing workpieces in solution tanks. 2,512,643, June 27.

Hannon, Cyril H.: *See*—
Jarvie, Alexander G., and Hannon.

Hannover, Hans, Hellerup, Copenhagen, Denmark. Rotatable suction container filling machine. 2,533,109, Dec. 5.

Hannum, John A., Detroit, Mich., assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill. Operating internal-combustion engines. 2,499,642, Mar. 7.
Hannum, Katherine M., assignee: *See*—
Ekblom, Olaf E.
Hanovia Chemical and Manufacturing Company, assignee: *See*—
Burdick, Will S., and Schneider.
Samer, Rudolf W.
Hanrahan, Thomas, Pontiac, Mich. Jack. 2,506,081, May 2.
Hans, Edmund E., Detroit, Mich. Fan. 2,500,071, Mar. 7.
Hans, Edmund E., Detroit, Mich. Bus heating arrangement. 2,526,560, Oct. 17.
Hanscom, Clarence D., Denville, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Selective signaling system. 2,531,624, Nov. 28.
Hansel, Paul G., Red Bank, N. J. Direction finding system. 2,494,553, Jan. 17.
Hansel, Paul G., Red Bank, N. J. Antenna system. 2,513,313, July 4.
Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Improving filament life. 2,496,717, Feb. 7.
Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. High-frequency amplifier. 2,498,267, Feb. 21.
Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Apparatus for manufacturing tapered wires and tapered strip material. 2,502,005, Mar. 28.
Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Heat-to-electrical energy converter. 2,510,397, June 6.
Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Jet sprayer actuated by supersonic waves. 2,512,743, June 27.
Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Mercury arc oscillator circuits. 2,522,871, Sept. 19.
Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Magnetron. 2,535,793, Dec. 26.
Hansell, Clarence W., Rocky Point, N. Y., assignor to Radio Corporation of America. Frequency comparison system. 2,524,702, Oct. 3.
Hansell, Grant E.: *See*—
Atwood, John B., and Hansell.
Shock, Robert E., Atwood, Peterson, and Hansell.
Hansell, Grant E., Riverhead, N. Y., assignor to Radio Corporation of America. Tuning indicator and tuning control. 2,495,326, Jan. 24.
Hansen, Albert, Jr., Lynn, Mass., assignor to General Electric Company. Hall effect commutating apparatus 2,512,325, June 20.
Hansen, Albert W.: *See*—
Gartrell, Robert D., Carroll, and Hansen.
Hansen, Alf B.: *See*—
Anderson, Ivan L., and Hansen.
Hansen, Alfred, Brooklyn, N. Y. Sugar dispenser. 2,527,813, Oct. 31.
Hansen, Arthur E., assignor to Young Iron Works, Seattle, Wash. Butt-rigging swivel. 2,519,460, Aug. 22.
Hansen, Asger, Sr., and R. R. Brown, Houston, Tex. Insulator. 2,495,252, Jan. 24.
Hansen, Betsy R., executrix: *See*—
Hansen, William W., Woodyard, and Ginzton.
Hansen, Bruno, assignor of eighty-five per cent to D. O'Donnell and fifteen per cent to G. F. Knorr, Des Moines, Iowa. Combination door. 2,511,108, June 13.
Hansen, Bruno, assignor of forty-nine percent to J. Yeglin and fifty-one percent to D. O'Donnell, Des Moines, Iowa. Combination storm and screen window. 2,519,132, Aug. 15.
Hansen, Charles F., Chicago, Ill. Ladder bracket for scaffolds. 2,522,821, Sept. 19.
Hansen, Charles W.: *See*—
Krause, Norman R., and Hansen.
Hansen, Charles W., assignor to J. I. Case Company, Racine, Wis. Overrunning clutch for tractor drawn forage cutters and blowers. 2,504,328, Apr. 18.
Hansen, Charles W., and F. N. G. Kranick, assignors to J. I. Case Company, Racine, Wis. Windrower. 2,532,164, Nov. 28.
Hansen, Donald W., assignor to A. E. Staley Manufacturing Company, Decatur, Ill. Preparation of molding powder consisting essentially of starch and an aminotriazine-formaldehyde resin. 2,502,520, Apr. 4.
Hansen, Donald W., assignor to A. E. Staley Manufacturing Company, Decatur, Ill. Starch modification process. 2,514,055, July 4.
Hansen, Earl G., Iowa Falls, Iowa. Antislipping device for canes, crutches, etc. 2,517,203, Aug. 1.
Hansen, Edwin E., Astoria, Oreg. Hand disk projector. 2,493,245, Jan. 3.
Hansen, Einar M. and J. E., Jersey City, N. J. Radio and record player chassis support. 2,495,632, Jan. 24.
Hansen, Ernest C., New Orleans, La. Ice shaving machine. 2,515,923, July 18.
Hansen, Fred, White Plains, N. Y. Roof pitch sight gauge. 2,535,411, Dec. 26.
Hansen, Fred E., Lakewood, Ohio. Steam hose coupling. 2,518,542, Aug. 15.
Hansen, George H. P., River Edge Manor, N. J. Diesel engine. 2,526,075, Oct. 17.
Hansen, Hans P., Bronx, N. Y. Safety device for firearms. 2,534,514, Dec. 19.
Hansen, Harold T., Milwaukee, Wis. Propelled sound producing toy. 2,523,991, Sept. 26.
Hansen, Harry, Clifton, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Record sensing and translating device. 2,523,904, Sept. 26.
Hansen, Harry, Clifton, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Stepping device. 2,530,961, Nov. 21.
Hansen, Harvey G., San Leandro, Calif. Spraying device. 2,515,598, July 18.
Hansen, Harvey R., Jr., Detroit, Mich. Tongs. 2,533,795, Dec. 12.
Hansen, Hazel B., Glendale, Calif. Pocket denture brush. 2,512,935, June 27.
Hansen, Hendrik N., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Arrangement coupling either of two electrical devices to a load upon a disturbance in the other device. 2,515,599, July 18.
Hansen, Henry, and C. F. Brown, Kansas City, Mo. Undulating track occupant propelled roundabout. 2,533,368, Dec. 12.
Hansen, James C., St. Paul, Minn. Sectional collapsible play pen. 2,508,110, May 16.
Hansen, James W.: *See*—
Harris, Leonard W., Sanders, and Hansen.
Hansen, Johannes: *See*—
Lamm, Uno, Forssell, and Hansen.
Hansen, John E.: *See*—
Dietz, Thomas J., and Hansen.
Hansen, Einar M. and J. E.
Hansen, John R., Pottersville, N. J., assignor to Crucible Steel Company of America, New York, N. Y. Permanent magnets and alloys therefor. 2,499,861, Mar. 7.
Hansen, John R., Pottersville, N. J., assignor to Crucible Steel Company of America, New York, N. Y. Permanent magnets and alloys therefor. 2,499,862, Mar. 7.
Hansen, John R., Summit, N. J., assignor to Crucible Steel Company of America, New York, N. Y. Production of permanent magnets and alloys therefor. 2,499,860, Mar. 7.
Hansen, Julius E., Providence, R. I., assignor to Bay State Optical Company, Attleboro, Mass. Eyeglass frame construction. 2,510,398, June 6.
Hansen, Julius E., Providence, R. I., assignor to Bay State Optical Company, Attleboro, Mass. Split endpiece spectacle construction. 2,521,632, Sept. 5.
Hansen, Klaus L., Milwaukee, Wis. Synchronous rectifier and inverter. 2,493,403, Jan. 3.
Hansen, Louis I., Minneapolis, Minn., and G. E. P. Smith, Jr., assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Stabilization. 2,514,198, July 4.
Hansen Manufacturing Company, assignee: *See*—
Hansen, William L.
Hansen, William L., and Hush.
Hush, James M., and Bench.
Hansen Manufacturing Company, Inc., assignee: *See*—
Cochran, Earl V.
Hansen, William L.
Hansen, William L., and Hurst.
Hansen, Merlin: *See*—
Jirsa, Emil F., Hansen, and Bopp.
Hansen, Norman A., Lake Bluff, J. W. Milne and W. C. Risser, Waukegan, assignors to Abbott Laboratories, North Chicago, Ill. Precipitation of alkali metal salts of penicillin. 2,497,769, Feb. 14.
Hansen, Odd A., Kenmore, N. Y., assignor to The Linde Air Products Company. Apparatus for storing and dispensing liquefied gases. 2,500,249, Mar. 14.
Hansen, Odd A., Kenmore, N. Y., assignor to The Linde Air Products Company. System for dispensing measured quantities of liquefied gas. 2,530,521, Nov. 21.
Hansen, Ole E., Brooklyn, N. Y. Marine propeller. 2,508,160, May 16.
Hansen, Peter F., Independence, Iowa. Tractor hitch. 2,494,757, Jan. 17.
Hansen, Robert S., Waukegan, Ill. Screw holding screw driver with expanding bit. 2,506,922, May 9.
Hansen, William L., assignor to Hansen Manufacturing Company, Inc., Princeton, Ind. Submarine motor-driven toy. 2,515,511, July 18.
Hansen, William L., assignor to Hansen Manufacturing Company, Princeton, Ind. Swing clock. 2,527,417, Oct. 24.
Hansen, William L., and I. N. Hurst, assignors to Hansen Manufacturing Company, Inc., Princeton, Ind. Servo unit and motor. 2,505,961, May 2.
Hansen, William L., Princeton, Ind., and J. M. Hush, Denver, Colo., assignors to Hansen Manufacturing Company, Princeton, Ind. Nutation type motor. 2,509,391, May 30.
Hansen, William W.: *See*—
Johnson, Montgomery H., and Hansen.
Hansen, William W., deceased, Stanford University, Calif., by The Sperry Corporation, Great Neck, N. Y., assignee, and J. R. Woodyard, Berkeley, Calif. Ultra high frequency circuit and method. Re. 23,271, Sept. 26.

Hansen, William W., deceased, by The Board of Trustees of Leland Stanford Junior University, assignee, Stanford University, Calif. High-frequency resonator tube. Re. 23,277, Oct. 3.

Hansen, William W., deceased, by B. R. Hansen, executrix, Stanford University, and J. R. Woodyard, Berkeley, and E. L. Ginzton, Manlo Park, Calif.; said W. W. Hansen, J. R. Woodyard, and E. L. Ginzton, assignors to The Sperry Corporation. Automatic power bridge. 2,525,901, Oct. 17.

Hansen, William W., Garden City, N. Y., assignor to The Sperry Corporation. Ultra high frequency antenna structure. 2,500,178, Mar. 14.

Hansen, William W., Garden City, N. Y., assignor to The Sperry Corporation. High-frequency tube structure. 2,500,944, Mar. 21.

Hansen, William W., Garden City, N. Y., assignor to The Sperry Corporation. Modulator and frequency changer. 2,500.945, Mar. 21.

Hansen, William W., Garden City, and V. R. Learned, Hempstead, N. Y., assignors to The Sperry Corporation. Ultra high frequency discriminator and apparatus. 2,502,456, Apr. 4.

Hansen, William W., Garden City, N. Y., assignor to The Sperry Corporation. High-frequency tube structure. 2,506,590, May 9.

Hansen, William W., Garden City, N. Y., assignor to The Sperry Corporation. High-frequency attenuating device. 2,514,544, July 11.

Hansen, William W., Palo Alto, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Voltage doubling circuits. 2,493,137, Jan. 3.

Hansen, William W., and R. H. Varian, Palo Alto, assignors to Board of Trustees of the Leland Stanford Junior University, Stanford University, Calif. Electron beam oscillator. Re. 23,234, May 30.

Hansen, William W., and J. R. Woodyard, Garden City, N. Y., assignors to The Sperry Corporation. Controlling receiver heterodyne frequency by transmitter. 2,519,369, Aug. 22.

Hansgirg, Fritz J., Black Mountain, assignor to North Carolina Magnesium Development Corporation, Asheville, N. C. Production of magnesium. 2,527,722, Oct. 31.

Hansgirg, Fritz J., Black Mountain, assignor to North Carolina Magnesium Development Corporation, Asheville, N. C. Recovery of values from aluminum scrap. 2,527,723, Oct. 31.

Hansgirg, Fritz J., deceased, Yonkers, N. Y., by J. M. Hansgirg, administratrix, Yonkers, N. Y., assignor to North Carolina Magnesium Development Corporation, Asheville, N. C. Production of magnesium. 2,527,724, Oct. 31.

Hansgirg, Josefine M., administratrix, *See*—
Hansgirg, Fritz J.

Hansley, Virgil L., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of alkali metal hydrides. 2,504,927, Apr. 18.

Hanslick, Roy S.: *See*—
Martin, Gustav J., and Hanslick.

Hanson, Alden W., Midland, Mich., and A. L. Heston and H. E. Buecken, Akron, Ohio; said Hanson assignor to The Dow Chemical Company, Midland, Mich., said Heston and said Buecken assignors to National Rubber Machinery Company, Akron, Ohio. Milling, mixing, and extruding plastic material. 2,519,834, Aug. 22.

Hanson, Alexander A., Jr., Lynbrook, N. Y. Caution signal switch for motor vehicles. 2,520,681, Aug. 29.

Hanson, Andrew R., Oklahoma City, Okla. Gas safety valve. 2,529,770, Nov. 14.

Hanson, Arnold B., assignor of fifty per cent to G. Johnson, Minneapolis, Minn. Artificial leg. 2,533,008, Dec. 5.

Hanson, Arthur C., Davenport, Iowa. Gymnasticator. 2,518,466, Aug. 15.

Hanson, Arthur L., Minneapolis, Minn. Device for scribing fluid adhesives. 2,530,199, Nov. 14.

Hanson, Charles S., Roseland, N. J. Photographic print paper holder. 2,495,061, Jan. 17.

Hanson, David E., Marne, Mich. Tractor wheel supported mulching roller. 2,525,545, Oct. 10.

Hanson, Earl C., Cleveland, Ohio, and D. E. Watts, De Witt, N. Y., assignors to General Electric Company. High-frequency heating and compression apparatus. 2,497,670, Feb. 14.

Hanson, Earl C., Cleveland, Ohio, and D. E. Watts, De Witt, N. Y., assignors to General Electric Company. High-frequency dielectric heating in a resonant chamber. 2,500,752, Mar. 14.

Hanson, Earl M.: *See*—
Tschohl, Harry J., and Hanson.

Hanson, Earl P.: *See*—
Woodbury, Robert L., and Hanson.

Hanson, Ernest R., New Britain, Conn. Cup and saucer support. 2,515,405, July 18.

Hanson, Estyle D., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Strand tensioning apparatus. 2,504,020, Apr. 11.

Hanson, Estyle D., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Strand distributing apparatus. 2,519,461, Aug. 22.

Hanson, Estyle D., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for rotatably supporting reels. 2,524,106, Oct. 3.

Hanson, Frank E.: *See*—
Richa, John H., and Hanson.

Hanson, Frank E., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Gas burner with crimped ribbon port structure. 2,525,350, Oct. 10.

Hanson, George A.: *See*—
Schoellkopf, Hugo W., Jr., and Hanson.

Hanson, George G. and H. R., Bradford, Pa. Gripping tool. 2,514,760, July 11.

Hanson, Gerald N.: *See*—
Kellogg, Spencer, 2nd, and Hanson.

Hanson, Gordon B.: *See*—
Waterman, Logan C., and Hanson.

Hanson-Gorrill-Brian, Inc., assignee: *See*—
Brian, William S.

Hanson, Harold R.: *See*—
Hanson, George G. and H. R.

Hanson, Hartwig M.: *See*—
Kemp, William W., and Hanson.

Hanson, Harvey E.: *See*—
Posen, Sam, and Hanson.

Hanson, Harvey E., assignor to Beltone Hearing Aid Co., Chicago, Ill. Magnetic receiver. 2,522,266, Sept. 12.

Hanson, James F.: *See*—
Mullen, James F., and Hanson.

Hanson, John E.: *See*—
Cornell, James E., and Hanson.
Denison, George H., Jr., and Hanson.

Hanson, Kenneth C., Surbiton, England. Pipe joint and union. 2,522,785, Sept. 19.

Hanson, Lars, assignor to Carrier Corporation, Syracuse, N. Y. Cooling cylinder walls of compressors. 2,510,887, June 6.

Hanson, Ray F., Vallejo, Calif. Relief valve. 2,517,562, Aug. 8.

Hanson, Robert L., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transistor-microphone. 2,497,770, Feb. 14.

Hanson, Roy M., Oakland, Calif. Maintaining accuracy of precision ammeters. 2,529,729, Nov. 14.

Hanson, Russell O., Los Angeles, Calif., and W. F. Saars, East Haven, Conn., assignors to the United States of America as represented by the Secretary of the Navy. Recording equipment having an adjustable advance ball. 2,528,826, Nov. 7.

Hanson-Van Winkle-Munning Company, assignee: *See*—
Diggin, Myron B., and Kardos.

Hanson, Walter C., Fresno, assignor of one-half to D. R. McKinley, Sacramento, Calif. Doughnut cutting machine. 2,496,468, Feb. 7.

Hanson, Walter C., Fresno, assignor of one-half to D. R. McKinley, Sacramento, Calif. Material spreading apparatus. 2,520,718, Aug. 29.

Hanson, Walter C., Fresno, assignor of one-half to D. R. McKinley, Sacramento, Calif. Blanching apparatus. 2,520,719, Aug. 29.

Hanson, Walter J., Port Chester, N. Y., and A. D. Linden, assignors to Pitney-Bowes, Inc., Stamford, Conn. Moistening device for envelope flaps. 2,497,727, Feb. 14.

Hanson, Walter J., Port Chester, N. Y., assignor to Pitney-Bowes, Inc., Stamford, Conn. Tape control device. 2,533,317, Dec. 12.

Hanson, Wesley T., Jr., and F. A. Richey, assignors to Eastman Kodak Company, Rochester, N. Y. Mixed grain photographic process. 2,496,940, Feb. 7.

Hanson, William D., Arlington, Va. Power-driven airplane landing gear. 2,507,440, May 9.

Hanson, William O., Hibbing, Minn. Boat propelling means. 2,507,469, May 9.

Hanssen, Albert J., Tulsa, Okla, assignor, by mesne assignments, to Black, Sivalls & Bryson, Inc., Kansas City, Mo. Diaphragm motor valve. 2,527,814, Oct. 31.

Hansson, Erik O. H., assignor to Aktiebolaget Elektrolux, Stockholm, Sweden. Gearing housing. 2,502,564, Apr. 4.

Hanyo, Francis W., assignee: *See*—
Rosinski, Edward E.

Hapman, Henry W., Detroit, Mich. Exercising stand for bicycles. 2,534,967, Dec. 19.

Happe, Reynold: *See*—
Turner, Edgar P., and Happe.
Turner, Edgar P., Happe, and Ingalls.

Happe, William H., Jr.: *See*—
Backer, Lyle A., and Happe, Jr.

Happel, Albert W., deceased, late of Anderson, by H. Happel, executrix, assignor to Lynch Corporation, Anderson, Ind. Unidirectional dual selective drive for dual table glass machine. 2,494,706, Jan. 17.

Happel, Hedwig, executrix: *See*—
Happel, Albert W., deceased.

Happel, John: *See*—
Johnson, George L., Happel and Hagerbaumer.
Johnson, George L., Happel, and McKee.

Happel, John, Brooklyn, and S. P. Cauley, Jackson Heights, N. Y., assignors to Socony-Vacuum Oil Company, Incorporated. Regenerating an aqueous alkali solution. 2,516,837, Aug. 1.

Happer, James R., Beechgrove, Moffat, Scotland. Device for pressing garments. 2,527,997, Oct. 31.

Happey, Frank: *See*—
MacGregor, James H., and Happey.

Happey, Frank, Coventry, and J. H. Grimes, Cheylesmore, Coventry, assignors to Courtaulds Limited, London, England. Manufacture of sheets or webs of fibrous textile materials. 2,535,919, Dec. 26.
Hara, Toyoyori, Chicago, Ill. Preserving rice. 2,495,001, Jan. 17.
Haranis, John, assignee: *See*—
Bartho, John C.
Harban, Arthur A.: *See*—
Johnson, Carl E., and Harban.
Harban, Arthur A., Hammond, and C. E. Johnson, Griffith, Ind., assignors to Standard Oil Company, Chicago, Ill. Extraction of oxygenated compounds. 2,522,619, Sept. 19.
Harbard, Edward H.: *See*—
Craven, Earnest C., Harbard, and Tuerck.
Harbaugh, Dorothy M., Mansfield, Ohio. Ambulance cot cover. 2,513,479, July 4.
Harbaugh, Fred J., Haddonfield, N. J., assignor to Radio Corporation of America. Permanent magnet assembly for electrodynamic loud speakers. 2,501,032, Mar. 21.
Harbaugh, Willis E.: *See*—
Reilly, Gerard J., and Harbaugh.
Harbeck, Charles L.: *See*—
Allen, Robert L.
Harbeck, Merle J., Buffalo, N. Y. Shuffleboard weight position indicator. 2,498,547, Feb. 21.
Harben, William C., Lake Worth, Fla., assignor to Vacuum Grip Cover Company, Inc., Bridgeport, Conn. Protective covering. 2,522,612, Sept. 19.
Harbert, Otis D., Covina, Calif. Weather vane. 2,533,110, Dec. 5.
Harbert, Otis D., West Covina, Calif. Door latch. 2,528,954, Nov. 7.
Harbison, Dixon T., Fort Worth, Tex. Pump barrel. 2,499,951, Mar. 7.
Harbison, Dixon T., Fort Worth, Tex. Packing or plunger ring. 2,499,952, Mar. 7.
Harbison, Dixon T., Fort Worth, Tex. Pump plunger and making such plungers. 2,517,307, Aug. 1.
Harbison-Walker Refractories Company, assignee: *See*—
Birch, Raymond E.
Hyde, Collin, and Shonkwiler.
Osborn, Elburt F.
Harcourt, Guy N., Buffalo, N. Y., assignor, by mesne assignments, to Blaw-Knox Company, Pittsburgh, Pa. Apparatus and method for solvent extraction. 2,510,221, June 6.
Hård af Segerstad, Carl-Gustaf, assignor to Sandvikens Jernverks Aktiebolag, Sandviken, Sweden. Servomechanism. 2,500,407, Mar. 14.
Hardemon, Lonnie B., Birmingham, Ala. Antirattle device. 2,527,515, Oct. 31.
Harder, Edwin L., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Transient compensation of potential-device burdens. 2,510,631, June 6.
Harder, Edwin L., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Computer. 2,516,000, July 18.
Harder, Edwin L., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Out of step protection of transmission systems. 2,525,485, Oct. 10.
Harder, Edwin L., Pittsburgh, Pa., and H. S. Kirschbaum, Columbus, Ohio, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Regulating system. 2,498,268, Feb. 21.
Harder, Oscar E., and D. A. Roberts, Columbus, Ohio, assignors, by mesne assignments, to Elgin National Watch Company, Elgin, Ill. Watch mainspring. 2,524,660, Oct. 3.
Harder, Oscar E., and D. A. Roberts, Columbus, Ohio, assignors, by mesne assignments, to Elgin National Watch Company, Elgin, Ill. Alloy having high elastic strengths. 2,524,661, Oct. 3.
Hardersen, John A., Seattle, Wash. Lawn edger. 2,507,007, May 9.
Hardesty Chemical Co., Inc., assignee: *See*—
Cohen, Samuel J.
Hardesty, Fred R., assignee: *See*—
Stallard, Melvin B.
Hardgrove, Ralph M.: *See*—
Bailey, Ervin G., and Hardgrove.
Hardgrove, Robert R., assignor of one-half to E. T. Lake, Livingston, Mont. Detachable telescope sight mount for firearms. 2,526,816, Oct. 24.
Hardie, George C., Brooklyn, N. Y. Pipe and nut wrench provided with reversible jaw faces. 2,531,039, Nov. 21.
Hardie, James H., assignor to The Robert Mitchell Company Limited, Montreal, Quebec, Canada. Foldable ladder. 2,508,915, May 23.
Hardin, Clarence N., and B. W. Tenney, Los Angeles, Calif. Barbecue and campfire cooking apparatus support. 2,522,223, Sept. 12.
Hardin, George P., assignee: *See*—
Cullum, Bertram L.
Hardin, Harry L., Charlotte, N. C. Hoist for motor vehicle parts. 2,522,267, Sept. 12.
Hardin, Hubert, assignor to Ed Friedrich, Inc., San Antonio, Tex. Open type display refrigerator. 2,495,327, Jan. 24.
Hardin, Hubert W., assignor to Ed Friedrich, Inc., San Antonio, Tex. Open-top refrigerated display case. 2,508,255, May 16.
Hardin, Stanford A., Florence, Ala., assignor to Tennessee Valley Authority. Electric furnace for phosphate reduction. 2,509,228, May 30.
Harding, Cyril R. B., Grosse Isle, Mich., assignor to National Steel Corporation. Wall and wall panel. 2,530,465, Nov. 21.
Harding, Dale L.: *See*—
Smith, John L., and Harding.
Harding, Donald D., Anderson, Ind., assignor to J. H. Lickert, doing business as Griscer Industries, Allen County, Ind. Cordless iron. 2,502,006, Mar. 28.
Harding, Hiram R., Baltimore, assignor of fifty per cent to H. E. Karr, Baltimore County, Md., and twenty-five per cent to L. C. Harding, Hopewell, Va. Coupling. 2,515,219, July 18.
Harding, Hiram R., Baltimore, assignor of fifty percent to H. E. Karr, Baltimore County, Md., and twenty-five percent to L. C. Harding, Hopewell, Va. Lock nut. 2,518,467, Aug. 15.
Harding, Hiram R., Baltimore, assignor of fifty percent to H. E. Karr, Baltimore County, Md., and twenty-five percent to L. C. Harding, Hopewell, Va. Lubricated lock nut. 2,518,468, Aug. 15.
Harding, Hiram R., Baltimore, assignor of fifty percent to H. E. Karr, Baltimore County, Md., and twenty-five percent to L. C. Harding, Hopewell, Va. Lock nut. 2,518,469, Aug. 15.
Harding, Hiram R., assignor of fifty per cent to H. E. Karr, Baltimore, Md., and twenty-five per cent to L. C. Harding, Hopewell, Va. Two-way washer. 2,525,796, Oct. 17.
Harding, John, Jr., Dallas, Tex. Fuel control valve. 2,502,256, Mar. 28.
Harding, Logan C., assignee: *See*—
Harding, Hiram R.
Harding, Mahlon E., assignor of one-third to S. W. Newton and one-third to M. L. Mark, Topeka, Kans. Telescopic vehicle fork. 2,513,170, June 27.
Harding Manufacturing Company Incorporated, assignee: *See*—
Borushko, Michael J.
Harding, Robert, Jr., assignee: *See*—
Walling, Lawrence J.
Harding, Watson G., Ridgewood, N. J., assignor to United States Rubber Company, New York, N. Y. Corrugated tube. 2,524,662, Oct. 3.
Harding, William R.: *See*—
King, George E., Moore, and Harding.
Harding, William R., East Aurora, N. Y., and B. J. Auburn, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Torque control system for electric reel motors. 2,516,001, July 18.
Harding, William R., East Aurora, N. Y., and M. H. Fisher, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Constant potential exciter. 2,525,486, Oct. 10.
Hardinge Brothers, Inc., assignee: *See*—
Daddona, Anthony J.
Haley, Clifford, and Lundy.
Hardman, Albert F., assignor to Wingfoot Corporation, Akron, Ohio. N-(di-substituted thiocarbamyl-thiomethylene) aromatic amines. 2,496,941, Feb. 7.
Hardman, Albert F., assignor to Wingfoot Corporation, Akron, Ohio. Vulcanization of rubber. 2,515,119, July 11.
Hardman, Albert F., assignor to Wingfoot Corporation, Akron, Ohio. Preparation of vulcanization accelerators. 2,520,095, Aug. 22.
Hardman, Albert F., assignor to Wingfoot Corporation, Akron, Ohio. Accelerators of vulcanization. 2,522,268, Sept. 12.
Hardman, Ralph W., and C. H. Boxmeyer, St. Joseph, Mo. Boat structure. 2,493,816, Jan. 10.
Hardman Tool & Engineering Co., assignee: *See*—
Long, Carl E.
Hardwick, Eugene R., Jr., Clovis, N. Mex. Terminating mechanism for record changers. 2,503,335, Apr. 11.
Hardwood By-Products, Inc., assignee: *See*—
Farber, Eduard.
Hardy, Edgar E., Anniston, Ala., assignor to Monsanto Chemical Company, St. Louis, Mo. Compositions of matter comprising halogenated organic compounds. 2,532,616, Dec. 5.
Hardy, Frederick J., Alvaston, Derby, assignor to Rolls-Royce Limited, Derby, England. Vehicle frame mounting for propeller shafting. 2,507,406, May 9.
Hardy, Gordon W., Euclid, assignor to The Marquette Metal Products Company, Cleveland, Ohio. Controllable pitch propeller. 2,515,037, July 11.
Hardy, James A., assignor to Schwitzer-Cummins Company, Indianapolis, Ind. Vibration damper. 2,526,744, Oct. 24.
Hardy, John N., assignor to Roto-Cast Foundry Equipment, Inc., Coldwater, Mich. Adjustable rotary table. 2,494,242, Jan. 10.
Hardy, Lloyd A., Cambridge, A. H. Keller, Rock Island, and J. L. Aasland, Moline, Ill., assignors to International Harvester Company. Tractor mounting attachment for corn pickers. 2,507,711, May 16.
Hardy, Lloyd A., Cambridge, A. H. Keller, and J. L. Aasland, Moline, Ill., assignors to International Harvester Company. Power-operated tractor lifting device. 2,508,345, May 16.

Hardy, Maurice E., Chicago, Ill., assignor to Zenith Radio Corporation. Two-speed turntable drive. 2,529,019, Nov. 7.

Hardy, Paul E., Elizabeth, and W. J. Sparks, Westfield, N. J., assignors to Standard Oil Development Company. Laminated sheet material and compositions. 2,525,071, Oct. 10.

Hardy, René, Lyon, France, assignor to International Standard Electric Corporation, New York, N. Y. Panoramic receiver for radio signals. 2,520,141, Aug. 29.

Hardy, René J., Lyon, France, assignor to International Standard Electric Corporation, New York, N. Y. Self-contained radio guiding apparatus for mobile craft. 2,527,547, Oct. 31.

Hardy, René, Paris, France, assignor to International Standard Electric Corporation, New York, N. Y. Sense indicator for manually controlled radio direction finder systems. 2,495,718, Jan. 31.

Hardy, René, Paris, France, assignor to Societe Francaise Radio Electrique. Device for simultaneous indicating and recording signals. 2,506,500, May 2.

Hardy, René, Paris, France, assignor to Societe Francaise Radio-Electrique. Generator of electrical oscillations. 2,509,433, May 30.

Hardy, William B., Bound Brook, N. J., assignor to American Cyanamid Company, New York, N. Y. Preparing sulfur trioxide compounds of 4-alkyl morpholines. 2,502,839, Apr. 4.

Hardy, William G.: *See*—
Hoffman, Edward J., Hardy, and Fries.

Hardy, William G., assignor to The McKay Company, Pittsburgh, Pa. Mechanically operated antiskid device for vehicle wheels. 2,533,244, Dec. 12.

Hare, Donald G. C., Greenvale, N. Y., assignor to the United States of America as represented by the Secretary of the Navy. Emission stabilized electronic valve. 2,523,468, Sept. 26.

Hare, Donald G. C., Roslyn, assignor to Texaco Development Corporation, New York, N. Y. Amplifying and quenching circuits for radiation detectors. 2,503,730, Apr. 11.

Hare, Milton D.: *See*—
Crawford, Franzo H., and Hare.

Hare, Terence G., Saginaw, Mich. Powered three-wheeled vehicle. 2,493,817, Jan. 10.

Hare, Weldon P., assignor to King-Seeley Corporation, Ann Arbor, Mich. Dial indicating device. 2,527,095, Oct. 24.

Hare, Weston A.: *See*—
Charch, William H., Hare and Signaigo.

Hare, Weston A., Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Formation of shaped articles from acrylonitrile polymers. 2,530,962, Nov. 21.

Hare, Weston A., Kenmore, N. Y., and F. K. Signaigo, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Borax spinning bath. 2,516,316, July 25.

Haren, Urban C., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Apparatus for vulcanizing endless articles. 2,522,359, Sept. 12.

Haren, Urban C., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Belt measuring machine. 2,532,715, Dec. 5.

Haresnape, John N.: *See*—
Birch, Stanley F., Fidler, and Haresnape.

Harget, James D., Alexandria, Va. Mop cloth having aperture means to engage a mop wringer. 2,524,192, Oct. 3.

Hargrave, John M., Cincinnati, Ohio. Clamping device. 2,519,652, Aug. 22.

Hargreaves, Thomas F. S., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Alternating current signaling system. 2,498,680, Feb. 28.

Harick Company, The, assignee: *See*—
Schick, Anton J.

Harike, George E., College Park, Ga., assignor to Tennessee Copper Company, New York, N. Y. Producing copper sulfate. 2,533,245, Dec. 12.

Harinck, Peter J., Ferndale, Mich. Hydraulic control valve. 2,523,532, Sept. 26.

Haringx, Johannes A., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Sound head for thin films. 2,513,721, July 4.

Harker, David, Schenectady, N. Y., assignor to General Electric Company. X-ray diffraction apparatus for use with radioactive materials. 2,532,810, Dec. 5.

Harker, Ian W. M., and R. Grunwald, Oak Park, Ill. Drive mechanism. 2,509,639, May 30.

Harker, John S., Vineland, N. J., assignor, by mesne assignments, to Owens-Illinois Glass Company, Toledo, Ohio. Glassworking machine. 2,494,387, Jan. 10.

Harlamoff, Anatol J., South Gate, Calif., assignor to A. O. Smith Corporation, Milwaukee, Wis. Centrifugal pump. 2,520,880, Aug. 29.

Harlan, James T., Jr., San Rafael, assignor to Shell Development Company, San Francisco, Calif. Production of oxygenated compounds. 2,504,682, Apr. 18.

Harlan, John L., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Producing divalent metal sulfonates. 2,509,863, May 30.

Harley-Davidson Motor Co., assignee: *See*—
Harley, William J.

Harley, Earle L., Brooklyn, N. Y. Optical means for registering printing surfaces. 2,493,628, Jan. 3.

Harley, William J., assignor to Harley-Davidson Motor Co., Milwaukee, Wis. Motorcycle fender construction. 2,510,222, June 6.

Harlow, Earl V., Beaver, assignor to Koppers Company, Inc., Pittsburgh, Pa. Gas composition revision. 2,494,554, Jan. 17.

Harlow, William R., U. S. Navy. Apparatus for treating film or the like. 2,529,495, Nov. 14.

Harman, Berkeley, and H. J. Sommer, Lafayette, assignors to Shell Development Company, San Francisco, Calif. Asphalt compositions. 2,517,564, Aug. 8.

Harman, Clair E., Berrysburg, Pa. Rotary egg cleaner. 2,524,626, Oct. 3.

Harman, David M., Burlington, N. C. Uniform tension attachment for knitting machines. 2,518,615, Aug. 15.

Harman, Denham: *See*—
Vaughan, William E., and Harmon.

Harman, Denham, Berkeley, assignor to Shell Development Company, San Francisco, Calif. Preparation of alkyl sulfonates. 2,504,411, Apr. 18.

Harman, Denham, Berkeley, assignor to Shell Development Company, San Francisco, Calif. Production of polar-substituted organic peroxides and products thereof. 2,508,256, May 16.

Harman, Denham, Berkeley, assignor to Shell Development Company, San Francisco, Calif. Production of organic compounds containing sulfur and oxygen. 2,515,120, July 11.

Harman, Denham, Berkeley, and H. J. Sommer, Lafayette, assignors to Shell Development Company, San Francisco, Calif. Bituminous compositions. 2,492,994, Jan. 3.

Harman, Denham, and C. W. Smith, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Acid chlorides of thio and dithiodiglycolic acids. 2,514,640, July 11.

Harman, Denham, Berkeley, and H. J. Sommer, Corona Del Mar, assignors to Shell Development Company, San Francisco, Calif. Bituminous compositions. 2,520,720, Aug. 29.

Harman, Denham, and W. E. Vaughan, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Preparation of synthetic lubricant. 2,522,512, Sept. 19.

Harman Distributors, Inc., assignee: *See*—
Spence, George H.

Harman, Emil I., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Phonograph apparatus. 2,508,715, May 23.

Harman, Eugene S., Bronxville, N. Y. Continuous smelting process. 2,526,659, Oct. 24.

Harman, Eugene S., and F. H. Loftus, Mount Lebanon, Pa.; said Loftus assignor to said Harman. Smelting iron ore. 2,526,658, Oct. 24.

Harman, Marion W., Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Nitrile substituted dithiocarbamate derivatives. 2,520,280, Aug. 29.

Harman, Melvin H., High Point, N. C. Sofa bed hinge. 2,495,413, Jan. 24.

Harman, Vesper A., Richland, Wash. Merry-go-round. 2,506,214, May 2.

Harmison, Charles R.: *See*—
Singher, Heron O., and Harmison.

Harmon, Albert G., South Bend, Ind., assignor to National-Standard Company, Niles, Mich. Wire laying machine. 2,499,245, Feb. 28.

Harmon, Albert G., South Bend, Ind., assignor to National-Standard Company, Niles, Mich. Stranding machine. 2,499,246, Feb. 28.

Harmon, Carlyle: *See*—
Salvesen, Jorgen R., and Harmon.

Harmon, Clarence O., Detroit, Mich. Elevator door or gate operating mechanism. 2,500,072, Mar. 7.

Harmon, Clarence O., Detroit, Mich. Apparatus for operating the gates or doors of elevators. 2,534,596, Dec. 19.

Harmon, Clarence W.: *See*—
Sargent, James H., C. W., J. R., M. E., and H. H. Harmon, J. H. Sargent, Jr., and J. L. Sargent.

Harmon, Frank H., assignee: *See*—
Longnecker, Harry F.

Harmon, Howard, H.: *See*—
Sargent, James H., C. W., J. R., M. E., and H. H. Harmon, J. H. Sargent, Jr., and J. L. Sargent.

Harmon, Jesse, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Copolymers of cyclic fluorine-containing compounds. 2,511,258, June 13.

Harmon, John G., Ansonia, assignor of one-half to J. J. Sharkey, Seymour, Conn. Combination measuring tape and pencil. 2,493,345, Jan. 3.

Harmon, Joseph R.: *See*—
Sargent, James H., C. W., J. R., M. E., and H. H. Harmon, J. H. Sargent, Jr., and J. L. Sargent.

Harmon, Marvin E.: *See*—
Sargent, James H., C. W., J. R., M. E., and H. H. Harmon, J. H. Sargent, Jr., and J. L. Sargent.

Harmon, Robert B., assignee: *See*—
Hood, Benjamin E.

Harmon, Walter S., Los Angeles, Calif., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Portable radio equipment. 2,531,215, Nov. 21.

Harmon, William S.: *See*—
Bassford, Henry H., Jr., and Harmon.
Harmon, William S., Elizabeth, assignor to Merck & Co., Inc., Rahway, N. J. Production of an alkali metal salt of sulfonilamidothiazole. 2,512,525, June 20.
Harmonic Reed Corporation, assignee: *See*—
Weathers, Paul, and Chamberlin.
Harms, Alfred J., London, England, assignor to Burroughs Wellcome & Co., (U. S. A.) Inc., New York, N. Y. Preparation of serums for therapeutic use. 2,516,206, July 25.
Harms, Cecil A.: *See*—
Kennedy, Rollis A., and Harms.
Harness, Foster, Oklahoma City, Okla. Changeable exhibitor. 2,526,817, Oct. 24.
Harnett, A. De Vere, Racine, Wis. Device for weatherproofing textile fabric articles. 2,499,748, Mar. 7.
Harney, Patrick J., Chicago, Ill. Can opener. 2,508,944, May 23.
Harney, William S., Jr., and S. Schneider, Elizabeth, N. J., assignors to Standard Oil Development Company. Extractive distillation of secondary butyl alcohol from methyl ethyl ketone. 2,511,847, June 20.
Harnisch, Fritz, New Orleans, La. Hypodermic syringe operating device. 2,531,267, Nov. 21.
Harnischfeger Corporation, assignee: *See*—
Hettelsater, Henry C.
Oesterlein, William J.
Oestreicher, Sol.
Wallsworth, Allan G., and Nielson.
Wendelburg, Frank W., and Brekelbaum.
Harnischfeger, Walter, Milwaukee, and G. Koehler, Madison, Wis. Remote hoist control. 2,529,804, Nov. 14.
Harnish, Edwin N., and J. W. Manley, Parksville, British Columbia, Canada. Boring attachment for power saws. 2,526,131, Oct. 17.
Harnish, Henry C., Jr., Denville, and C. Arndt, Boonton, N. J. Adjustable pipe square. 2,524,168, Oct. 3.
Harnley, John H., Gray County, Tex. Grease gun filter attachment. 2,504,683, Apr. 18.
Harper, Arthur J. C., Chicago, Ill. Garment edge, more particularly for men's coats. 2,515,038, July 11.
Harper, Carolyn L., assignee: *See*—
Harper, Philip S., Lamar, and Peterson.
Hornung, Art F.
Lamar, Charles C.
Harper, Carolyn L., Trust, The: *See*—
Lamar, Charles C.
Harper, Elmer E., deceased, Monrovia, Calif.; E. P. Harper, executrix. Gas feeding and metering apparatus. 2,499,917, Mar. 7.
Harper, Elmer E., Monrovia, Calif.; E. P. Harper, executrix of E. E. Harper, deceased. Control mechanism for gravimetric feeders. 2,505,491, Apr. 25.
Harper, Elmer E., deceased, Monrovia, Calif.; E. P. Harper, executrix. Pressure controlled operating means. 2,527,419. Oct. 24.
Harper, Elmer E., deceased, Monrovia, Calif.; E. P. Harper, executrix. Volumetric gas feeding apparatus. 2,529,251, Nov. 7.
Harper, Elmer E., deceased, Monrovia, Calif.; E. P. Harper, executrix. Pressure actuated control mechanism. 2,529,252, Nov. 7.
Harper, Esther P., executrix: *See*—
Harper, Elmer E.
Harper, James K., assignor to A. B. Chance Company, Centralia, Mo. Manual controlled device for automatic circuit recloser mechanisms. 2,530,298, Nov. 14.
Harper, John F.: *See*—
Packer, Clifford I., Nickerson, and Harper.
Harper, Joseph J., Jr.: *See*—
Flynn, Joseph E., and Harper, Jr.
Harper, Leonard R., West Hempstead, assignor to International Business Machines Corporation, New York, N. Y. Contiguous rotation counter. 2,496,585, Feb. 7.
Harper, Leonard R., West Hempstead, assignor to International Business Machines Corporation, New York, N. Y. Positioning device. 2,521,365, Sept. 5.
Harper, Philip S., assignee: *See*—
Hornung, Art F.
Lamar, Charles C.
Harper, Philip S., Trust, The, assignee: *The*—
Lamar, Charles C.
Harper, Philip S., C. C. Lamar, and V. C. Peterson, assignors of one-fourth to P. S. Harper and one-fourth to C. L. Harper, Chicago, Ill., one-fourth to Harris Trust and Savings Bank, as trustee of The Philip S. Harper Trust, and one-fourth to said Harris Trust and Savings Bank as trustee of the Carolyn L. Harper Trust. Gas burner flash tube. 2,511,205, June 13.
Harper, Samuel E.: *See*—
Crabbe, John D., and Harper.
Harper, Thomas C., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Extensible structure for varying the configuration of an aircraft surface. 2,504,684, Apr. 18.
Harper, Thomas C., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Protective covering for airfoils. 2,506,501, May 2.
Harper, Thomas C., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Print developing machine and apron therefor. 2,522,115, Sept. 12.
Harpster, Glen, Los Angeles, Calif. Multiple outlet electrical connector plug. 2,500,987, Mar. 21.
Harr, Claude F., Toledo, Ohio. Apparatus and method for heating molds. 2,521,847, Sept. 12.
Harr, Herman H., Verona, N. J. Beverage preparing and dispensing apparatus. 2,533,930, Dec. 12.
Harrah, Charles J.: *See*—
Newcomb, Richard L., and Harrah.
Harrah, Charles J., Denver, Colo. Engine control for electric welding machine. 2,524,257, Oct. 3.
Harralson, Robert W.: *See*—
Beard, Joseph G., Harralson, and Kreithen.
Harralson, Robert W., Masonville, N. J., assignor to Radio Corporation of America. Stabilized low-frequency oscillator. 2,526,353, Oct. 17.
Harrel, Chastain G., R. O. Brown, and M. H. Kimball, assignors to Pillsbury Mills, Inc., Minneapolis, Minn. Piecrust mix. 2,506,358, May 2.
Harrel, Chastain G., J. T. Haigh and R. O. Brown, assignors to Pillsbury Mills, Inc., Minneapolis, Minn. Separation of the starch and gluten constituents of flour. 2,516,117, July 25.
Harrell, Oliver A., Little Rock, Ark. Clamp for permanent waving apparatus. 2,515,512, July 18.
Harrell, Ruth V., administratrix: *See*—
Harrell, William T.
Harrell, William T., deceased, late of High Point, N. C.; by R. V. Harrell, administratrix, High Point, N. C. Circular saw sharpening machine. 2,517,873, Aug. 8.
Harrington, Arthur P.: *See*—
Finch, Raymond J., and Harrington.
Harrington, Bertie S., assignor to Armour and Company, Chicago, Ill. Filling machine group with electrical control system. 2,525,295, Oct. 10.
Harrington, Christopher J.: *See*—
Bankauf, William F., and Harrington.
Harrington, Ferris T., assignor to Vickers Incorporated, Detroit, Mich. Flow regulating device. 2,503,870, Apr. 11.
Harrington, Ferris T., assignor to Vickers Incorporated, Detroit, Mich. Power transmission for refrigerated motor vehicles. 2,530,241, Nov. 14.
Harrington, Ferris T., assignor to Vickers Incorporated, Detroit, Mich. Pump or motor for power transmissions. 2,530,242, Nov. 14.
Harrington, Ferris T., Detroit, and R. L. Tweedale, Birmingham, assignors to Vickers Incorporated, Detroit, Mich. Power transmission. 2,518,777, Aug. 15.
Harrington, Francis D., Portland, Oreg. Insulation jacket for toilet tanks. 2,527,418. Oct. 24.
Harrington, George E., New York, N. Y. Pencil pointing device. 2,504,194, Apr. 18.
Harrington, George G., Houston, Tex. Replaceable blade bit. 2,521,791, Sept. 12.
Harrington, Gerald D.: *See*—
Shakespeare, Henry G., and Harrington.
Harrington, Gerald D., assignor to Shakespeare Company, Kalamazoo, Mich. Fishing rod handle. 2,514,950, July 11.
Harrington, John A., assignor to Continental Machines, Inc., Minneapolis, Minn. Gauge block. 2,500,313, Mar. 14.
Harrington, Minnie M., adminstratrix: *See*—
Finch, Raymond J., and Harrington.
Harrington, Richards H., Schenectady, N. Y., assignor to General Electric Company. Article of tungsten and wrought copper joined by sintered copper. 2,506,327, May 2.
Harrington & Richardson Arms Company, assignee: *See*—
Mulno, Lester F.
Harrington, Robert C., Jr., Kingsport, Tenn. Tool for holding abrasive media. 2,523,697, Sept. 26.
Harris, Albert S.: *See*—
Ferguson, Joseph C., and Harris.
Harris, Albert S., Fort Wayne, Ind., assignor to F. A. R. Liquidating Corporation. Stabilized one-shot multivibrator. 2,516,867, Aug. 1.
Harris, Alexander G., Bloomfield, N. J. Telephone support. 2,521,162. Sept. 5.
Harris, Arch W., Euclid, Ohio, assignor to The American Steel and Wire Company of New Jersey. Cold-drawing steel wire. 2,535,284, Dec. 26.
Harris, Bert C., assignor to The White Motor Company, Cleveland, Ohio. Tilting cab. 2,502,622, Apr. 4.
Harris, Carl C., assignor to The Slencil Co., Orange, Mass. Memorandum pad unit. 2,527,216. Oct. 24.
Harris, Cecil H., Albertville, Ala. Automobile tray. 2,530,876, Nov. 21.
Harris, Charles F., Chicago, Ill. Self-locking cashbox. 2,524,907, Oct. 10.
Harris, Charles R., Lockport, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Hydrogen peroxide by the partial oxidation of hydrocarbons. 2,533,581, Dec. 12.
Harris, Clarence D., Inglewood, Calif. Fence. 2,520,313, Aug. 29.
Harris, Clarence D., Inglewood, Calif. Fence. 2,520,314, Aug. 29.
Harris, Cleo, Kalamazoo, Mich., assignor to Borg-Warner Corporation, Chicago, Ill. Magazine feed furnace. 2,530,522, Nov. 21.
Harris, Donald J., Deer Lodge, Mont. Glazier's point setter. 2,506,871, May 9.
Harris, E. W.: *See*—
Harris, Richard A., E. W., and Carr.
Harris, Elizabeth C., Somerset, Md. Geographical position locator for maps, plats, and charts. 2,516,569, July 25.

Harris, Elmer C., Hayward, Calif. Dental surveyor. 2,528,053, Oct. 31.
Harris, Eva L., Hamlet, N. C. Massaging device. 2,510,399, June 6.
Harris, Ford W.: *See*—
Salsbury, Esley F., and Harris.
Harris, Ford W., Los Angeles, Calif. Reamer. 2,498,756, Feb. 28.
Harris, Ford W., Los Angeles, Calif. Apparatus for reaming wells. 2,499,916, Mar. 7.
Harris, Forist, Merced, Calif., assignor to Brunswick-Balke-Collender Company, Chicago, Ill. Sander. 2,496,718, Feb. 7.
Harris, Francis S., Lakewood, assignor to Brush Development Company, Cleveland, Ohio. Phonograph pickup. 2,519,185, Aug. 15.
Harris, Frederic R., New York, N. Y. Apparatus for controlling silt accumulation. 2,500,354, Mar. 14.
Harris, Frederick: *See*—
Spriggs, James O., and Harris.
Harris, Geoffrey T., assignor, by mesne assignments, to William Jessop & Sons Limited, Sheffield, England, Alloy steels. 2,513,935, July 4.
Harris, George C.: *See*—
Fieser, Louis F., Harris, Hershberg, Morgana, Novello, and Putnam.
Harris, George C., assignor to Hercules Powder Company, Wilmington, Del. Synthetic tricarboxylic acid and preparation. 2,517,563, Aug. 8.
Harris, George R.: *See*—
Zeigler, Frank E., and Harris.
Harris, George R., Montrose, Calif., assignor, by mesne assignments, to Zeigler-Harris & Co., Inc. Flatiron stand. 2,493,455, Jan. 3.
Harris, Gordon D., Freeport, N. Y. Air conditioning unit. 2,517,428, Aug. 1.
Harris, Gus G., assignee: *See*—
Miller, Stephen J.
Harris, Harry E., Denver, Colo. Disposable vaginal diaphragm. 2,522,822, Sept. 19.
Harris, Herbert, Jr., Cedarhurst, N. Y., assignor to The Sperry Corporation. Electronic computer. 2,497,883, Feb. 21.
Harris, Herbert, Jr., Cedarhurst, N. Y., assignor to The Sperry Corporation. Motor control. 2,516,868, Aug. 1.
Harris-Hogan Company, assignee: *See*—
Hogan, Daniel J.
Harris, Hubert, and L. M. Ware, assignors to Auburn Research Foundation, Auburn, Ala. Apparatus for processing plastic material. 2,533,796, Dec. 12.
Harris, Hyman M., Green Bay, Wis. Duplex bench saw. 2,518,684, Aug. 15.
Harris, Israel H., assignee: *See*—
Mercer, Warren H.
Harris, J. M., Jr., Fort Worth, Tex. Flow valve. 2,494,091, Jan. 10.
Harris, James A.: *See*—
Chisolm, Howard T., and Harris.
Harris, James O., Knoxville, Tenn., assignor to Monsanto Chemical Company. Alkyl esters of sulfonated monohydroxy-benzoic acids. 2,527,880, Oct. 31.
Harris, Jay C., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Detergent compositions. 2,522,446, Sept. 12.
Harris, Jay C., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Detergent compositions. 2,522,447, Sept. 12.
Harris, John L., Whitefish Bay, assignor to Perfex Corporation, Milwaukee, Wis. Burner safety control device. 2,521,717, Sept. 12.
Harris, John S.: *See*—
Kaberg, Russell A., and Harris.
Smith, Franklin D., and Harris.
Harris, Leonard W., assignor to California Spray-Chemical Corporation, Richmond, Calif. Making diphosphoric esters. 2,502,400, Mar. 28.
Harris, Leonard W., Richmond, G. R. Sanders, El Cerrito, and J. W. Hansen, Berkeley, assignor to California Spray-Chemical Corporation, Richmond, Calif. Manufacture of diphosphoric esters. 2,502,401, Mar. 28.
Harris, Leslie M., Jr., Fairport, N. Y., assignor to Stromberg-Carlson Company. Periodic wave generator. 2,513,722, July 4.
Harris, Lewis B., Nassau Shores, assignor to Republic Aviation Corporation, Farmingdale, N. Y. Antenna assembly. 2,503,109, Apr. 4.
Harris, Lewis B., Nassau Shores, and L. R. Henry, Northport, assignors to Republic Aviation Corporation, near Farmingdale, N. Y. Trailing aircraft antenna. 2,502,650, Apr. 4.
Harris, Milton, and L. E. Fourt, Bethesda, B. W. Bullock, Silver Spring, Md., and G. Bloch, New York, N. Y., assignors to Godfrey Bloch, Inc., Dover, Del. Fabric-making material. 2,504,523, Apr. 18.
Harris, Milton, Bethesda, Md., and A. E. Brown, assignors to Harris Research Laboratories, Washington, D. C. Treatment of keratinous material. 2,508,713, May 23.
Harris, Milton, Bethesda, Md., and A. E. Brown, assignors to Harris Research Laboratories, Washington, D. C. Treating keratinous materials. 2,508,714, May 23.
Harris, Morton E., Chicago, Ill. Bottle carrier. 2,512,060, June 20.
Harris, Nelson, Pataskala, Ohio. Aggregate spreader. 2,525,546, Oct. 10.
Harris, Norman L., H. End, and J. W. Ryde, Northwood, England, assignors to M. O. Valve Company Limited. Electrical resonator. 2,531,214, Nov. 21.
Harris, Philip W., New York, N. Y. Collapsible tent. 2,516,869, Aug. 1.
Harris, Rae, Chicago, Ill. Yarn steamer. 2,525,797, Oct. 17.
Harris, Raymond R., Noroton Heights, Conn., assignor to American Cyanamid Company, New York, N. Y. Copolymerization of unsaturated alkyd resin in the presence of aromatic sulfonic acid promoter. 2,529,214, Nov. 7.
Harris Research Laboratories, assignee: *See*—
Clapham, Harry F., and Smith.
Harris, Milton, and Brown.
Harris, Richard A., High Point, assignor of 30 per cent to E. W. Harris, Sophia, and 20 per cent to R. E. Carr, High Point, N. C. Clothespin. 2,500,677, Mar. 14.
Harris, Richard K., administrator: *See*—
Reynolds, William B., and Cotten.
Harris, Robert D., assignor to The Enterprise Aluminum Company, Massillon, Ohio. Pastry cutter. 2,499,309, Feb. 28.
Harris, Robert L., Culver City, and A. Frankl, Los Angeles, Calif. Radio receiving apparatus in a miniature piano cabinet having movable keys. 2,501,050, Mar. 21.
Harris, Samuel J., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Telecine flicker compensator. 2,523,296, Sept. 26.
Harris-Seybold Company, assignee: *See*—
Danehy, James P.
Harrold, Charles W.
Meyer, Henry F., and Harrold.
Pritchard, Howard A.
Spiller, William R., and Bradmiller.
Harris, Stanley S.: *See*—
Burnes, Ralph, and Harris.
Harris, Stanton A.: *See*—
Heyl, Dorothea, Harris, and Folkers.
Harris, Stanton A., Westfield, assignor to Merck & Co., Inc., Rahway, N. J. 3-keto-4-acylamido-tetrahydrothiophene. 2,508,457, May 23.
Harris, Stanton A., Westfield, and K. Folkers, Plainfield, assignors to Merck & Co., Inc., Rahway, N. J. Pantothenic acid intermediates and their production. 2,519,462, Aug. 22.
Harris, Stanton A., Westfield, G. E. Arth, and C. H. Hoffman, Rahway, and K. Folkers, Plainfield, assignors to Merck & Co., Inc., Rahway, N. J. α-phenylacetamido-β,β-dialkoxypropionic acid and preparing same. 2,523,621, Sept. 26.
Harris, Sterling G., Beaufort, S. C., and S. C. Willis, White Plains, N. Y., assignors to The Blue Channel Corporation, Port Royal, S. C. Apparatus for preparing crabs. 2,502,091, Mar. 28.
Harris Trust and Savings Bank, trustee, assignee: *See*—
Harper, Philip S., Lamar, and Peterson.
Hornung, Art F.
Lamar, Charles C.
Harris, Verro A., Monterey, assignor to California Packing Corporation, San Francisco, Calif. Can unscrambling device. 2,505,398, Apr. 25.
Harris, Virginia V., assignee: *See*—
Mercer, Warren H.
Harris, Walter A., Haddonfield, N. J., assignor to Radio Corporation of America. Two-way radio communication system. 2,529,550, Nov. 14.
Harris, Walter D., Naugatuck, Conn., and T. W. Kerr, Kingston, R. I., assignors to United States Rubber Company, New York, N. Y. Functionally aliphatic 1,2,2,3-tetrachloro-n-butyl ether. 2,508,916, May 23.
Harris, Walter D., Naugatuck, Conn., and T. W. Kerr, Kingston, R. I., assignors to United States Rubber Company, New York, N. Y. 1-alkoxy-1-aryloxy-2,2,3-trichloro-N-butanes. 2,508,917, May 23.
Harris, Walter D., Naugatuck, and T. W. Kerr, Seymour, Conn., assignors to United States Rubber Company, New York, N. Y. Insecticides. 2,528,139, Oct. 31.
Harris, Walter D., Naugatuck, H. D. Tate, Woodbridge, and J. W. Zukel, Hamden, Conn., assignors to United States Rubber Company, New York, N. Y. Chloroalkyl alkyl sulfites as new chemicals and insecticides. 2,529,493, Nov. 14.
Harris, Walter D., Naugatuck, H. D. Tate, Woodbridge, and J. W. Zukel, Hamden, Conn., assignors to United States Rubber Company, New York, N. Y. Chloroalkyl aryloxyalkyl sulfites as new chemicals and insecticides. 2,529,494, Nov. 14.
Harris, Walter R.: *See*—
Baker, Rest R., and Harris.
Harris, Warren A., Sr., Orange, Mass. Work holding means. 2,514,641, July 11.
Harris, William G., Los Angeles, Calif. Knockdown enclosure for animals. 2,515,084, July 11.
Harris, William N., Atlanta, Ga. Sink dishwasher bearing. 2,497,168, Feb. 14.
Harrison, Arthur E., Rockville Centre, N. Y., assignor to The Sperry Corporation. Tuning means for high-frequency devices. 2,492,993, Jan. 3.
Harrison, Arthur E., Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Common control for electrical tuners and couplers. 2,498,078, Feb. 21.

Harrison, Arthur E., Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Coupling between balanced and unbalanced circuits. 2,507,712, May 16.
Harrison, Arthur E., Rockville Centre, and A. K. Roemer, East Rockaway, N. Y., assignors to The Sperry Corporation. Frequency stabilization apparatus. 2,503,266. Apr. 11.
Harrison, Bertram M., Wellesley, Mass. System for testing hearing. 2,533,667, Dec. 12.
Harrison Dental Company, Inc., The, assignee: *See*— Harrison, William M.
Harrison, Elmer P., Chicago, Ill., O. A. Hunt, Oklahoma City, Okla., and L. Tiller, assignors to Reconstruction Finance Corporation, Chicago, Ill. Steam heating system. 2,515,651, July 18.
Harrison, Eugene I., Downers Grove, assignor of one-half to J. J. Bailey, Chicago, Ill. Finishing device. 2,516,870, Aug. 1.
Harrison, Eugene I., Berwyn, Ill., and H. L. Killey, Little Rock, Ark., assignors to J. J. Bailey, Chicago, Ill. Finishing device. 2,522,613, Sept. 19.
Harrison, Henry, assignor to Eastman Kodak Company, Rochester, N. Y. Mechanism for focusing and sizing images. 2,518,685, Aug. 15.
Harrison, Henry C., Port Washington, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical switch device. 2,499,581, Mar. 7.
Harrison, Henry C., Port Washington, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Mercury type relay. 2,519,462, Aug. 22.
Harrison, Henry C., Port Washington, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Mercury type relay. 2,523,366, Sept. 26.
Harrison, Irl, and B. C. Voight, Whiting, Ind., assignors to Standard Oil Company, Chicago, Ill. Method and mold for making candles. 2,520,682, Aug. 29.
Harrison, Ivan, Atoka, Okla. Minnow bucket. 2,512,936, June 27.
Harrison, James: *See*— Lax, Walter L., and Harrison.
Harrison, James A., Southfield Township, Oakland County, Mich. Industrial gas-fired air heater. 2,512,326, June 20.
Harrison, John F.: *See*— Greiner, Carl F., and Harrison.
Harrison, John K. M., Gainesville, Va. Adhesive applicator. 2,495,328, Jan. 24.
Harrison, Joseph S., Marietta, Ga., assignor to The Coca-Cola Company, Wilmington, Del. Forming signs. 2,528,827, Nov. 7.
Harrison, Kenneth W., assignor to Telephone Manufacturing Company Limited, London, England. Electrical control network. 2,511,468, June 13.
Harrison, Laurence E., Fallbrook, assignor of one-half to M. J. Anderson, Hollister, Calif. Making an avocado food product. 2,493,818, Jan. 10.
Harrison, Lawrence H., Birmingham, Ala. Resonant grounding device for alternating-current circuits. 2,535,064, Dec. 26.
Harrison, Millard F., Oakland, Calif. Combined safety guard and dust collector. 2,499,582, Mar. 7.
Harrison & Morton Laboratories, Inc., assignee: *See*— Williams, Ervin R.
Harrison, Owen L., and J. Hart, Milledgeville, Ill. Clover seed cleaning mill. 2,535,851, Dec. 26.
Harrison, Staunton R., and R. M. Hill, assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Cacao butter in butyl rubber heavily loaded with black. 2,495,099, Jan. 17.
Harrison, Thomas R., Wyncote, Pa., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Detonation detector system. 2,523,017, Sept. 19.
Harrison, Thomas R., Wyncote, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Antihunt electrical servomotor apparatus. 2,528,054, Oct. 31.
Harrison, Thomas R., Wyncote, and L. B. Cherry, Philadelphia County, Pa., assignors, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Measuring and control method and apparatus. 2,535,412, Dec. 26.
Harrison, Ward D.: *See*— Levy, Robert M., and Harrison.
Harrison, Ward D., and R. E. Matthews, Brevard, N. C., assignors to Ecusta Paper Corporation. Cigarette paper. 2,503,267, Apr. 11.
Harrison, Wayne T.: *See*— Reinhardt, Henry A., and Harrison.
Harrison, William H., Los Angeles, Calif. Continuous motion film mechanism. 2,508,789, May 23.
Harrison, William H., Los Angeles, Calif. Multiple unit container. 2,514,573, July 11.
Harrison, William H., York, Pa. Lagging for use on belt pulleys. 2,533,456, Dec. 12.
Harrison, William J.: *See*— Powers, Donald H., and Harrison.
Harrison, William M., San Francisco, Calif., assignor to Marchant Calculating Machine Company. Carriage positioning control mechanism. 2,502,321, Mar. 28.
Harrison, William M., Terrace Park, assignor to The Harrison Dental Company, Inc., Cincinnati, Ohio. Curing acrylic base denture material. 2,498,368, Feb. 21.
Harrison, Willis C., Independence, Mo. Fishing rod holder. 2,512,151, June 20.
Harriss, Lawrence H., Elgin, assignor, by mesne assignments, to Burgess Battery Company, Freeport, Ill. Deferred-action dry battery. 2,502,723, Apr. 4.
Harrold, Charles W.: *See*— Meyer, Henry F., and Harrold.
Harrold, Charles W., University Heights, Ohio, assignor to Harris-Seybold Company. Ink fountain. 2,534,670, Dec. 19.
Harrold, Marshall C., assignor to General Motors Corporation, Dayton, Ohio. Overload protector. 2,521,120, Sept. 5.
Harrold, Roy V., Columbiana, Ohio. Combination swing and exercising device. 2,513,021, June 27.
Harrott, Alfred B., Rochester, N. Y. Reflex camera having reflecting finder system. 2,513,861, July 4.
Harrs, Henry, Flushing, N. Y. Slide joint. 2,517,308, Aug. 1.
Harry, Tom C., New Orleans, La. Convertible jacket. 2,535,205, Dec. 26.
Harry, William R., Milwaukee, Wis., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Stabilized feed-back condenser microphone. 2,493,819, Jan. 10.
Harsh, Carl R., Newton, Iowa. Disk sharpener. 2,533,009, Dec. 5.
Harsh, Harold C., and J. E. Bates, Binghamton, assignors to General Aniline & Film Corporation, New York, N. Y. Preventing stains in photographic color material by treatment with basic acids immediately prior to drying. 2,515,121, July 11.
Harsh, Harold C., and J. E. Bates, Binghamton, assignors to General Aniline & Film Corporation, New York, N. Y. Preventing stains in photographic color material by the use of a fixing bath consisting of water, an alkali sulfite and a fixing agent. 2,515,122, July 11.
Harsh, Harold C., and J. E. Bates, Binghamton, assignors to General Aniline & Film Corporation, New York, N. Y. Aldehyde antistain baths for developed color photographic material. 2,518,686, Aug. 15.
Harshaw Chemical Company, The, assignee: *See*— DuRose, Arthur H., and Moy.
Halbedel, Harold S.
Harshaw, William J., and Hay.
Morris, William C.
Morris, William C., and Cardon.
Moy, Paul W., and Karash.
Porvasnik, John A.
Shenk, Wilbur J.
Shenk, Wilbur J., Jr., and Pellon.
Smith, Leslie N.
Swinehart, Carl F.
Unkefer, Gilbert G.
Willson, Karl S., and Ellis.
Harshaw, William J., Shaker Heights, and J. O. Hay, Cleveland Heights, assignors to The Harshaw Chemical Company, Cleveland, Ohio. Preparation of cuprous oxide. 2,507,008, May 9.
Harshbarger, Elmer D., Pittsburgh, Pa. Waterworks valve position indicator operating mechanism. 2,530,164, Nov. 14.
Harstick, William H., Oak Park, Ill., assignor to International Harvester Company. Self-washing cream separator. 2,504,261, Apr. 18.
Harstick, William H., Oak Park, Ill., assignor to International Harvester Company. Churn attachment for centrifugal cream separators. 2,518,310, Aug. 8.
Harstick, William H., Oak Park, Ill., assignor to International Harvester Company. Teat cup claw. 2,524,193, Oct. 3.
Harstick, William H., Oak Park, Ill., assignor to International Harvester Company. Milker timer. 2,524,194, Oct. 3.
Hart, Andrew P., Jasper, Tex. Tension-released coupling. 2,509,598, May 30.
Hart, Carl R., Payne, Ohio, assignor to J. P. Seeburg Corporation, Chicago, Ill. Swinging turntable for automatic phonographs. 2,509,229, May 30.
Hart-Carter Company, assignee: *See*— Bosma, Alfred S.
Hart, Charlotte A.: *See*— Moffett, Robert B., and Hart.
Hart & Cooley Manufacturing Company, assignee: *See*— Van Alsburg, Jerold H., and De Roo.
Hart, Edward: *See*— Smith, Albert M., and Hart.
Hart, Edward G.: *See*— Kanning, Eugene W., Bobalek, and Hart.
Hart, Edward L., Abington, assignor to Philco Corporation, Philadelphia, Pa. Air conditioning apparatus. 2,495,002, Jan. 17.
Hart, Edward W., San Diego, Calif. Quadrantal corrector for magnetic compasses. 2,508,386, May 23.
Hart, Elmer J., Vancouver, Wash. Rotary jet-propelled motor. 2,499,863, Mar. 7.
Hart, Elmer L., Newark, N. J. Automatic bleeder for hydraulic lines. 2,519,569, Aug. 22.
Hart, Ewing C., assignor of 40 percent to James E. Chastain, Russell, Kans. Automatic shutoff valve. 2,513,862, July 4.
Hart, Frank A., Rhinebeck, N. Y. Double wedge lock for inserted blade cutters. 2,499,994, Mar. 7.
Hart, Fred J., Salinas, Calif. Electrical therapeutic device. 2,503,668, Apr. 11.

Hart, Fred J., Salinas, Calif. Electrical therapeutic device. 2,522,269, Sept. 12.
Hart, Fred V., Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Apparatus for use in applying pressure to shoe bottoms. 2,509,392, May 30.
Hart, Fred W., La Grange, Ind. Twin glider swing. 2,510,223, June 6.
Hart, Geoffrey W., Stoke Poges, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Electronic range finding apparatus. 2,533,670, Dec. 12.
Hart, George T., Lynn, and M. Seymour, Cohasset, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Box forming machine. 2,535,413, Dec. 26.
Hart, Harry L.: *See*—
Bugg, Kenly C., and Hart.
Hart, Henry, Oakland, Calif. Balancing apparatus. 2,512,231, June 20.
Hart, Horace E., Abilene, Tex. Alignment attachment for axle assemblies. 2,502,946, Apr. 4.
Hart, Ivan T., Reno, Nev. Reversible ratchet screw driver. 2,512,232, June 20.
Hart, Jacob: *See*—
Harrison, Owen L., and Hart.
Hart, James F., Bishop, Calif., assignor of one-half to A. M. Talmadge, Bishop, Calif.; J. A. Hart, administratrix of said J. F. Hart, deceased. Wearing apparel support. 2,532,909, Dec. 5.
Hart, Jo Ann, administratrix: *See*—
Hart, James F.
Hart, John A. H., assignor to Ilford Limited, Ilford, England. Photographic transfer materials bearing gelatin-anion soap complex silver halide layer. 2,527,263, Oct. 24.
Hart, John A. H., and E. W. Lee, assignors to Ilford Limited, Ilford, England. Gelatino-silver halide emulsions having low setting temperatures and coating same. 2,527,260, Oct. 24.
Hart, John A. H., K. G. A. Pankhurst, and R. C. M. Smith, assignors to Ilford Limited, Ilford, England. Production of photographic silver halide emulsions from gelatin-anion soap complexes. 2,527,261, Oct. 24.
Hart, John A. H., K. G. A. Pankhurst, and R. C. M. Smith, assignors to Ilford Limited, Ilford, England. Photographic layers containing gelatin-anion soap complexes and their preparation. 2,527,262, Oct. 24.
Hart, John A. H., Ottawa, Ontario, Canada, K. G. A. Pankhurst, Brentwood, and R. C. M. Smith, assignors to Ilford Limited, Ilford, England. Photographic layers containing gelatin-sulphonic acid complexes, and their preparation. 2,527,267, Oct. 24.
Hart, John A. H., Ottawa, Ontario, Canada, K. G. A. Pankhurst, Brentwood, and R. C. M. Smith, assignors to Ilford Limited, Ilford, England. Production of photographic emulsions. 2,527,268, Oct. 24.
Hart, John F., Craigmont, Idaho. Folding table. 2,535,920, Dec. 26.
Hart, John F., Craigmont, Idaho. Folding table with flexible top. 2,535,921, Dec. 26.
Hart, Joseph S., Jr., San Leandro, Calif. Cigarette extinguisher. 2,529,871, Nov. 14.
Hart, Lester C.: *See*—
Seaman, Harold E., and Hart.
Hart, Norman E., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale indicator. 2,531,124, Nov. 21.
Hart, Norman E., assignor to Toledo Scale Company, Toledo, Ohio. Pivot retainer. 2,531,125, Nov. 21.
Hart, Norman E., and W. A. Guss, assignors to Toledo Scale Company, Toledo, Ohio. Cover hold-down means. 2,523,428, Sept. 26.
Hart, Norman E., and W. A. Guss, assignors to Toledo Scale Company, Toledo, Ohio. Stabilizer for weighing scale pivotal connections. 2,523,429, Sept. 26.
Hart, Raymond S., Brooklyn, N. Y. Roller contactor for moisture meters or the like. 2,527,815, Oct. 31.
Hart, Raymond S., Brooklyn, N. Y. Contactor. 2,529,080, Nov. 7.
Hart, Russell, Los Angeles, Calif. Landing aircraft and other objects by parachute. 2,509,496, May 30.
Hart, Stephen V., New York, N. Y., assignor to Radio Corporation of America. Saturable reactor system. 2,497,218, Feb. 14.
Hart, Stephen V., New York, N. Y., assignor to Radio Corporation of America. Photoelectric motor control. 2,534,769, Dec. 19.
Hart, Thomas F.: *See*—
Yenni, Donald M., and Hart.
Hart, Thomas F., Kenmore, N. Y., assignor to The Linde Air Products Company. Thermal shaping of corundum and spinel crystals. 2,517,661, Aug. 8.
Hart, William D., executor: *See*—
Wait, William B.
Hartel, Robert J., and E. L. Marshall, Auburndale, Mass. Handle operated cam means for actuation of container dispensing valves. 2,504,262, Apr. 18.
Harter, Donald B.: *See*—
Gustafson, Lewis H., and Harter.
Harter, Harold R., Austin, Minn. Combination loin knife and electric scribe. 2,510,173, June 6.
Harter, Isaac, Akron, Ohio, assignor to The Babcock & Wilcox Company, Rockleigh, N. J. Fluid heater and reactor unit. 2,520,096, Aug. 22.
Harter, Isaac, Jr., and S. O. Evans, Beaver, assignors to The Babcock & Wilcox Tube Company, West Mayfield, Pa. Tilting type electric induction furnace. 2,520,598, Aug. 29.
Harter, Noah S., Waukegan, Ill., assignor to The American Steel and Wire Company of New Jersey. Weft wire reed mechanism. 2,528,881, Nov. 7.
Hartford-Empire Company, assignee: *See*—
Baker, Theodore C.
Cannon, Madison M., Jr.
Dailey, Francis N.
Fischer, Paul E., and Ardell.
Hiller, Everett O.
Ingle, Henry W.
Kimball, Wallace D., Currivan, and Mosley.
Koppisch, Robert F., and Waugh.
Lyle, Aaron K.
MacConnell, Hugh C., Jr.
Merrill, Donald G.
Rowe, George E.
Weber, Walter C.
Hartford National Bank and Trust Company, assignee: *See*—
Addink, Nicolaas W. H.
Alma, Gerrit H. P.
Alma, Gerrit H. P., Knol, Kuiper, Prakke, Strutt, and van der Ziel.
Alma, Gerrit H. P., and van Eldik.
Aninga, Johannes B., and Tenger.
Bailey, Christopher E. G.
Bakker, Jan.
Beljers, Hugo G., Six, and Winkel.
Berggren, Detlof E.
Bienfait, Henri, van den Blink, and Boon.
Bienfait, Henri, van den Blink, Gilsing, and Jansen.
Blok, Henri.
Blok, Henri, and Broos.
Blok, Lourens.
Blok, Lourens, and Janssen.
Boosman, Herman B. R.
Boterweg, Dirk.
Bourgonnier, Claude.
Braak, Dirk J.
Broos, Henricus A.
Brouwer, Pieter H. J.
Bruining, Hajo, and Geeven.
Buisman, Jan A. K.
Buys, Pieter K., and van Eldik.
Carpentier, Edmond E.
Casimir, Hendrik B. G.
Clay, Pieter H.
Coeterier, Frederik.
Cornelius, Peter H. K. G.
Cupido, Piet M., Gall, Jonker, and van Overbeek.
De Boer, Jan, and Schenkel.
De Boer, Kornelis.
De Fremery, Frank.
De Fremery, Frank, and de la Sablonière.
De Gier, Johannes.
De Graaff, Antonius.
De Jager, Frank, and van de Weg.
De Jong, Frans H.
Deketh, Jan.
De Lange, Cornelis.
De Lange, Cornelis, Goede, and van den Berge.
De Lange, Cornelis, and Sleegers.
De Lange, Hendrik.
Diemer, Gesinus.
Diemer, Gesinus, and Knol.
Donker, Pieter A.
Dorgelo, Eduard G.
Dorgelo, Eduard G., and Lemmens.
Douma, Tjiske.
Dros, Albert A.
Druyvesteyn, Mari J., and Meyering.
Duinker, Daniel M., and Mulder.
Ensink, Johannes.
Falk, Sven G.
Gall, Bernardus O. M.
Groenenberg Maarten J.
Gusdorf, Frederik H., Poelma, and Kuperus.
Gusdorf, Frederik H., and van Yzeren.
Haantjes, Johan.
Haantjes, Johan and Valeton.
Haantjes, Johan, and van Ingen Schenau.
Haayman, Pieter W., and Bruining.
Hansen, Hendrik N.
Haringx, Johannes A.
Hendrich, Jacob.
Hepp, Gerard.
Hess, Karl W.
Holst, Gilles, and van Embden.
Horowitz, Alexandre.
Hugenholtz, Eduard H.
Hugenholtz, Eduard H., and Olthuis.
Hugenholtz, Eduard H., and Scholten.
Hugenholtz, Eduard H., and van Hardenberg.
Janssen, Johannes M. L.
Janssen, Peter J. H.
Jonker, Johan L. H.
Jonker, Johan L. H., and Dorgelo.
Jonker, Johan L. H., and Gall.
Jonker, Johannes L. H.
Kalff, Louis C., Morel, and Siezen.

Hartford National Bank and Trust Company, assignee: *See*—Continued.
Keddie, James E.
Kerkhof, Frederik.
Kleis, Derk, van Tol, Bourgonjon, and Sloof.
Klinkhamer, Hendrik A. W.
Knol, Kornelis S., Strutt, and vander Ziel.
Knol, Kornelis S., Strutt, van der Ziel, and van Weel.
Knol, Kornelis S., and van der Ziel.
Knös, Gunnar B.
Koffyberg, Diederik.
Kramer, Jan.
Kröger, Ferdinand A., and Broos.
Kronouer, Johan G.
Kronouer, Johan G., Lips, and Prakke.
Kronouer, Johan G., and van Kouwen.
Kulpers, Minne.
Kuperus, Jan.
Kuperus, Jan, and Wiegerinck.
Latimer, Kenneth E.
Ledeboer, Johan M., and Vingerhoets.
Leeuwin, Max.
Legras, August N.
Le Poole, Jan B.
Le Poole, Jan B., and Verhoeff.
Lindenhovius, Hendrik J.
Lips, Eduard M. H.
Mak, Gerrit.
Mol, Evert A. J.
Mulder, Johannes G. W.
Nemet, Anthony.
Niessen, Karel F.
Pasma, Douwe.
Penning, Frans M., and Moubis.
Posthumus, Klaas.
Prakke, Frits.
Recourt, Johannes C. A.
Reynst, Maximilien F.
Richards, Claude L., and Glaisher.
Rinia, Herre.
Rinia, Herre, de Brey, van Weenen, Boers, Sypkens, and van Heeckeren.
Roovers, Wilhelmus A.
Roovers, Wilhelmus A., Prakke, van Steenis, and de Jong.
Roovers, Wilhelmus A., Veenemans, and van Steenis.
Salpeter, Jakob L.
Scholten, Egbert.
Schouten, Jan K.
Selinger, Herbert.
Siezen, Gerrit J.
Six, Willem, and Haayman.
Six, Willem, and Jonker.
Slooff, Florus C. W.
Smelt, Josephus A. M.
Spooner, Archer M.
Staal, Cornelis J. H. A., and van de Weg.
Stevens, Willem.
Stigter, Willem H.
Storm, André W.
Storm, Andre W., and Mak.
Strutt, Maximiliaan J. O., and van der Ziel.
Strutt, Maximiliaan J. O., van der Ziel, and Knol.
Teepe, Laurens J. M.
Tromp, Theodoor P.
Unk, Jacob M.
Van Alphen, Pieter M.
Van Amstel, Johannes J. A. P.
Van Beckum, Fredericus A.
Van Beek, Hermanus J.
Van den Berg, Dirk A.
Van den Berge, Hendrik J. and Schrameyer.
Van der Knaap, Pieter D.
Van der Mark, Jan, Venis, Roszbach, and Blok.
Van der Spek, Johannes J.
Van der Tuuk, Jacob H., and Combee.
Van der Tuuk, Jacob H., and Smit.
Van der Willigen, Paul C., and Boon.
Van der Ziel, Aldert, and Strutt.
Van Geel, Willem C., and Dekker.
Van Gelder, Zeger, and van Overbeek.
Van Heeckeren, Willem J.
Van Hofweegen, Johannes M., and Knol.
Van Lammeren, Johannes A.
Van Lijf, Antonius H. V.
Van Loon, Carel J.
Van Loon, Carel J., and Beukema.
Van Loon, Carel J., and Broos.
Van Loon, Carel J., and Schurink.
Van Overbeek, Adrianus J. W. M.
Van Overbeek, Adrianus J. W. M., and Dorrestijn.
Van Slooten, Jacob.
Van Steenis, Otto L.
Van Urk, Arend T.
Van Weel, Adelbert.
Van Weenen, Franciscus L., and Stigter.
Veenemans, Cornelis F.
Verburg, Cornelis, Dorgelo, and Penning.
Verhoeff, Adrianus.
Vermeer, Gerard J. H.
Verwey, Evert J. W., and Stevels.
Verwey, Evert J. W., and van Bruggen.
Vingerhoets, Antonius W.
Vivie, Wilhelmus L. L.
Hartford National Bank and Trust Company, assignee: *See*—Continued.
Vivie, Wilhelmus L. L., and van de Lee.
Von Hoorn, Adriaan J.
Vrewey, Evert J. W.
Warmoltz, Nicholaas.
Watkinson, Eric.
Westerveld, Adolf.
Weÿers, Theodorus J.
Wiegerinck, Hendrikus T. J., and van Wageningen.
Zaayer, David, and Dorgelo.

Hartford Products Corporation, The, assignee: *See*—Stoner, Arthur M.

Hartig, Henry E., San Diego, Calif., assignor to the United States of America as represented by the Secretary of the Navy. Calculator. 2,521,915, Sept. 12.

Hartig, Martval J. P., Kearny, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Recovery of maleic or phthalic anhydride from wet process gas mixtures. 2,518,312, Aug. 8.

Hartigan, Raymond H., assignor to Koppers Company, Inc., Pittsburgh, Pa. Making bromine cyanide. 2,500,946, Mar. 21.

Hartl, John J., Cedar Rapids, Iowa. Straddle gauge for cylindrical work. 2,503,871, Apr. 11.

Hartlep, Frank H.: *See*—Robinson, Thomas E., and Hartlep.

Hartley, Albert L., Cincinnati, and A. H. Davis and W. D. Whalen, Norwood, assignors to The R. K. Le Blond Machine Tool Co., Cincinnati, Ohio. Metallurgical apparatus. 2,500,989, Mar. 21.

Hartley, Arthur C., London, J. C. Brown, Billingham, G. S. Callendar, Horsham, and H. R. Fehling, D. A. Fox, and F. Gill, London, and W. T. Moore, Billingham, P. O. Rosin, London, and G. J. Williamson, Billingham, England, assignors to the Minister of Supply in His Majesty's Government of the United Kingdom of Great Britain and Northern Ireland. Fog freeable runway for aircraft and plant associated therewith. Re. 23,238, June 6.

Hartley, Benjamin F., deceased, Los Angeles, Calif.; L. M. Hartley, administratrix of said B. F. Hartley. Milk bottle. 2,510,104, June 6.

Hartley, Charles E., Bridgeport, and H. W. Hartley, Trumbull, Conn. Toilet tissue holder. 2,528,055, Oct. 31.

Hartley, Charles H., Wickford, R. I. Safety pin. 2,526,818, Oct. 24.

Hartley, Emmett C., assignor to The Parker Appliance Company, Cleveland, Ohio. Valve assembly. 2,493,966, Jan. 10.

Hartley, Emmett C., assignor to The Parker Appliance Company, Cleveland, Ohio. Valve assembly. 2,533,931, Dec. 12.

Hartley, Emmett C., Euclid, Ohio, assignor to the United States of America as represented by the Secretary of the United States Air Force. Vibration test unit for tube couplings. 2,517,204, Aug. 1.

Hartley, Emmett C., and H. B. Carbon, assignors to The Parker Appliance Company, Cleveland, Ohio. Hydraulic fuse. 2,518,988, Aug. 15.

Hartley, Emmett C., and H. E. Hull, assignors to The Parker Appliance Company, Cleveland, Ohio. Valve operating means. 2,523,825, Sept. 26.

Hartley, Eugene F., assignee: *See*—Smith, Clarence C.

Hartley, Frederick, Farnumsville, Mass. Intake manifold. 2,505,962, May 2.

Hartley, Harold W.: *See*—Hartley, Charles E. and H. W.

Hartley, John C., Kingston, Pa. Visibility threshhold device for indicating changes in the oxygen content of air. 2,506,591, May 9.

Hartley, Julia E., Linthicum Heights, Md. Moistening cabinet for garments or fabrics. 2,499,064, Feb. 28.

Hartley, Lladona M., administratrix: *See*—Hartley, Benjamin F.

Hartley, Newell D., Devon Conn. Sealing threaded members. 2,512,426, June 20.

Hartley Pen Company, assignee: *See*—Schrader, Clarence O., and Sears.

Hartley, Ralph V. L., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transverse wave transmission in liquids. 2,515,039, July 11.

Hartley, Ralph V. L., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Torsional high-pass mechanical filter. 2,518,311, Aug. 8.

Hartley, Ralph V. L., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Power source. 2,532,096, Nov. 28.

Hartling, Homer L., Rockwell City, Iowa. Combine header carrier. 2,515,556, July 18.

Hartman, Alfred F., Kansas City, Mo. Mailbox having a hingedly supported container. 2,507,785, May 16.

Hartman, Charles D., Jr., New York, and A. J. Cordrey, Garden City, N. Y. Split ammonia absorption system. 2,498,369, Feb. 21.

Hartman, Carl H., New Rochelle, E. A. Marsh, and N. E. Dorrington, Oswego, assignors to St. Regis Paper Company, New York, N. Y. Apparatus for filling bags. 2,524,908, Oct. 10.

Hartman, Edward R., Barberton, Ohio. Rotary injector compressor. 2,524,703, Oct. 3.

Hartman, Harold P., Terre Hill, Pa. Body and fender tool. 2,527,725, Oct. 31.

Hartman, Herbert G., Irondequoit, assignor to Gleason Works, Rochester, N. Y. Method and apparatus for truing cutters. 2,506,082, May 2.

Hartman, Herman G., Rockville, Md., assignor to Underwood Corporation, New York, N. Y. Tilt compensator for typewriters. 2,533,111, Dec. 5.

Hartman, John F.: *See*—
Vogel, Theodore F., and Hartman and Finlayson.

Hartman, Joseph M., Washington, D. C. Cultivator. 2,504,412, Apr. 18.

Hartman, Lyle M., Ohaton, Alberta, Canada. Musical instrument. 2,532,226, Nov. 28.

Hartman, Peter E., Tulsa, Okla. Printer's line-up table. 2,512,937, June 27.

Hartman, Richard A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Fastening device. 2,533,797, Dec. 12.

Hartman, Roland O., Berea, and J. S. Richards, deceased, Cleveland, by V. M. Richards, executrix, Cleveland, Ohio, assignors to The American Steel and Wire Company of New Jersey. Rail bonding. 2,526,132, Oct. 17.

Hartman, William C.: *See*—
Hull, Harvard L., Goertz, and Hartman.

Hartmann, Ernest M.: *See*—
Earl, John R., Hartmann, McGinnis, and Bernhardt.

Hartmann, Hans, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Transformer. 2,503,483, Apr. 11.

Hartmann, Hans, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Conductor insulation. 2,519,133, Aug. 15.

Hartmann, Hans, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Instrument transformer. 2,527,881, Oct. 31.

Hartmann, Max and J. Druey, Riehen, and O. Allemann, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J. Condensation product of sulfathiazole and formaldehyde. 2,512,102, June 20.

Hartmann, Max, and L. Panizzon, Riehen, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J. Pyridine and piperidine compounds and making same. 2,507,631, May 16.

Hartmann, Max, and L. Panizzon, Riehen, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J. β-phenyl-β-pyridyl and β-phenyl-β-piperidyl ethyl amines. 2,508,332, May 16.

Hartmann, William H., Lemay, Mo. Automatic dividing device for conveyer systems. 2,515,871, July 18.

Hartnett, George J., Jr.: *See*—
Carpenter, Otis R., Hartnett, and Rasmusen.

Harton, Erskine E.: *See*—
Ayers, George W., and Harton.

Harton, William M., Conway, Ark. Electric squib firing device. 2,506,592, May 9.

Hartough, Howard D.: *See*—
Coonradt, Harry L., and Hartough.

Hartough, Howard D., Pitman, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Acylation of furan. 2,515,123, July 11.

Hartough, Howard D., Pitman, and J. J. Sardella, Woodbury, N. Y., assignors to Socony-Vacuum Oil Company, Incorporated. Condensation of aldehydes with aromatics or thiophenes in the presence of glauconite. 2,494,758, Jan. 17.

Hartough, Howard D., Pitman, and S. J. Lukasiewicz, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Mineral oil composition containing a thenylamine. 2,497,067, Feb. 14.

Hartough, Howard D., Pitman, and J. W. Schick, Camden, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Thenaldimines. 2,500,822, Mar. 14.

Hartough, Howard D., Pitman, and D. E. Badertscher, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Refining highly aromatic petroleum stocks. 2,501,602, Mar. 21.

Hartough, Howard D., Pitman, and S. L. Meisel, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Phosphoric acid polymerization of thiophene compounds. 2,521,514, Sept. 5.

Hartough, Howard D., Pitman, and E. Koft, Jr., Woodbury Heights, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Tenylamines. 2,528,306, Oct. 31.

Hartough, Howard D., Pitman, and S. L. Meisel, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. 2-thenylamines. 2,533,798, Dec. 12.

Hartshorn, Stanley D.: *See*—
Borton, George W., and Hartshorn.

Hartstra, Lenze, L. Bakker, and H. A. Van Westen, Badhuisweg, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif. Hydrogenation of carbohydrates. 2,518,235, Aug. 8.

Hartsuch, Paul J.: *See*—
Bruno, Michael H., and Hartsuch.

Hartung, Charles A., Ridley Park, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Recalibrating motor control apparatus. 2,520,462, Aug. 29.

Hartup, William O., Columbus, Ind. Sheet metal machine. 2,521,974, Sept. 12.

Hartup, William O., Columbus, Ind. Sheet metal trimming machine. 2,521,975, Sept. 12.

Hartwell, Sidney J., and W. J. Kusch, Milwaukee, Wis. Crepe tissue protective pad for telephones. 2,507,375, May 9.

Hartwick, Josephine, administratrix: *See*—
Hartwick, Louis M.

Hartwick, Louis M.: *See*—
Kinney, Selwyne P., and Hartwick.

Hartwick, Louis M., Beaver, Pa.; M. J. Hartwick, administratrix of said L. M. Hartwick, deceased. Chemical injection device. 2,493,870, Jan. 10.

Hartwig, Edward C.: *See*—
Parsons, John R., and Hartwig.

Hartwig, Edward C., Tonawanda, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,496,719, Feb. 7.

Hartwig, Edward C., Tonawanda, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Sequence weld timer. 2,498,269, Feb. 21.

Hartwig, Edward C., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Pulse control circuit. 2,504,834, Apr. 18.

Hartwig, Edward C., Tonawanda, and J. L. Reed, Buffalo, N. Y., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Temperature control of electric resistance furnaces. 2,516,570, July 25.

Hartwig, Edward C., Tonawanda, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Timer. 2,533,318, Dec. 12.

Hartwig, Edward C., Tonawanda, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electronic sequence timer. 2,533,369, Dec. 12.

Hartwig, Karl T., Glen Ellyn, assignor to Universal Oil Products Company, Chicago, Ill. Electrical calculating apparatus. 2,503,387, Apr. 11.

Hartwig, Walter J., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Detent for parallel motion mechanism. 2,516,207, July 25.

Hartzell, George P., Chester, Pa. Cigarette lighter. 2,527,998, Oct. 31.

Hartzell, Herman L., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Ignition coil. 2,512,796, June 27.

Hartzell, Lester J., Jr.: *See*—
Klepetko, Ernest, Kaye, and Hartzell, Jr.

Harvel Corporation, The, assignee: *See*—
Dawson, Charles R., and Wasserman.

Harvel Corporation, The, assignee: *See*—
Dawson, Charles R., and Wasserman.
Harvey, Mortimer T.

Harvel Corporation, The, assignee: *See*—
Harvey, Mortimer T., and Caplan.

Harvel Research Corporation, assignee: *See*—
Harvey, Mortimer T. and Caplan.

Harvey, Bernard A., Liverpool, and E. O. Peterson, Syracuse, N. Y., assignors to General Electric Company. Automatic switching device. 2,497,671, Feb. 14.

Harvey, Douglass C., assignor to Eastman Kodak Company, Rochester, N. Y. Double exposure prevention device for roll-holding cameras. 2,507,156, May 9.

Harvey, Francis A., Bellevue, assignor to Pacific Marine Supply Company, Seattle, Wash. No-load speed governor. 2,531,335, Nov. 21.

Harvey, George G.: *See*—
Buchwalter, Louise and Harvey.

Harvey, Harry A., Niagara Falls, N. Y. Grain feeder for poultry. 2,534,442, Dec. 19.

Harvey, Henry H.: *See*—
Bryant, Fred V. and H. C., and Harvey.

Harvey Hubbell, Incorporated, assignee: *See*—
Hubbell, Harvey, and Healy.

Harvey, Hubert, Chatswood, near Sydney, assignor to Telephone & Electrical Industries Pty. Limited, Redfern, near Sydney, New South, Wales, Australia. Selector bank for automatic telephone systems. 2,523,622, Sept. 26.

Harvey, James E., assignor to Argus, Incorporated, Ann Arbor, Mich. Focusing objective. 2,532,300, Dec. 5.

Harvey, James W., Lakeville, Conn. Fish lure. 2,501,723, Mar. 28.

Harvey, James W., Lakeville, Conn. Machine for forming leaders. 2,518,687, Aug. 15.

Harvey, John, San Francisco, Calif. Protective plug for footwear. 2,521,515, Sept. 5.

Harvey, John A., South Chard, England. Magazine pencil. 2,512,273, June 20.

Harvey, Leo M., La Canada, Calif. Mechanism for handling production from cup forming machines or the like. 2,497,124, Feb. 14.

Harvey, Leo M., La Canada, Calif. Strip feed mechanism for paper cup making machines or the like. 2,500,408, Mar. 14.

Harvey, Mortimer T., South Orange, N. J., assignor to The Harvel Corporation. 1,4-di(meta-pentadecylphenoxy)-butane. 2,503,731, Apr. 11.

Harvey, Mortimer T., South Orange, N. J., assignor to Harvel Research Corporation. Composition of matter. 2,508,025, May 16.

Harvey, Mortimer T., South Orange, N. J., and S. Caplan, New York, N. Y., assignors to Harvel Research Corporation. Furfuraldehyde-acetonyl acetone reaction product and method. 2,516,317, July 25.

Harvey, Mortimer T., South Orange, N. J., and S. Caplan, New York, N. Y., assignors to The Harvel Corporation. Resins from cashew nut shell liquid. 2,523,623, Sept. 26.
Harvey Radio Laboratories, Inc., assignee: *See*—
Hall, Henry D.
Quirk, Arthur L.
Harvey, Robert L.: *See*—
Carlson, Wendell L., and Harvey.
Harvey, Robert L., and L. L. Burns, Jr., Princeton, N. J., assignors to Radio Corporation of America. Variable inductance device. 2,503,155, Apr. 4.
Harvey, Robert P., Longmeadow, assignor to Buxton, Incorporated, Springfield, Mass. Flexible pocket receptacle. 2,495,931, Jan. 31.
Harvey, Rufus N., Parkland, Wash. Trailer heater. 2,523,569, Sept. 26.
Harvey, Sidney M., assignee: *See*—
Pitcher, Paul G.
Harvey, Stewart A., near Sheffield, Ala., and G. L. Bridger, Ames, Iowa, assignors to Tennessee Valley Authority. Manufacture of superphosphate. 2,528,514, Nov. 7.
Harvey, Valentine P., and G. F. W. Powell, assignors to Molins Machine Company Limited, London, England. Arrangement for controlling the starting and stopping of machines. 2,493,670, Jan. 3.
Harvey Valentine P., G. F. W. Powell, and W. Wood, Deptford, assignors to Molens Machine Company, Limited, London, England. Ammunition feeding device for ordnance. 2,499,271, Feb. 28.
Harvey-Wells Communications, Inc., assignee: *See*—
MacConnell, Charles W.
Harvey-Whipple, Incorporated, assignee: *See*—
Carter, George I.
Ruff, Alonzo W.
Sinclair, Donald, and Wallans.
Sinclair, Donald C.
Harvey, William D., and D. B. Tolley, Macomb, Ill., assignors to Globe American Corporation, Kokomo, Ind. Liquid level metering mechanism. 2,521,794, Sept. 12.
Harvill, Edward K., Orange, and R. M. Herbst, Short Hills, assignors to E. Bilhuber, Inc., Orange, N. J. 1,5-dialkyl tetrazoles and preparation thereof. 2,507,337, May 9.
Harvuot, Frank B., assignor to Bowser, Inc., Fort Wayne, Ind. Filter cartridge. 2,512,797, June 27.
Harvuot, Frank B., assignor to Bowser, Inc., Fort Wayne, Ind. Filtering apparatus. 2,530,198, Nov. 14.
Harwood, James: *See*—
Ralston, Anderson W., and Harwood.
Hasbany, Woodrow A.: *See*—
Greenlee, Harry R., and Hasbany.
Hasbany, Woodrow A., assignor to The Studebaker Corporation, South Bend, Ind. Transmission control. 2,516,208, July 25.
Hasbrook, Arthur F., assignor to O. S. Petty, San Antonio, Tex. Apparatus for recording time intervals. 2,496,392, Feb. 7.
Hasche, Rudolph L., Johnson City, assignor to Tennessee Eastman Corporation, Kingsport, Tenn. Producing acetylene black. 2,507,157, May 9.
Hasche, Rudolph L., Johnson City, assignor to Tennessee Eastman Corporation, Kingsport, Tenn. Producing hydrocarbons. 2,511,206, June 13.
Hasche, Rudolph L., Johnson City, assignor to Tennessee Eastman Corporation, Kingsport, Tenn. Producing acetylene. 2,518,688, Aug. 15.
Hasche, Rudolph L., Johnson City, assignor to Tennessee Eastman Corporation, Kingsport, Tenn. Furnace with jet cooling. 2,533,457, Dec. 12.
Hascher, Eugene: *See*—
Parlini, Alexander C., Hascher, and Recker.
Haseltine, Stacy B., La Grange, assignor to W. H. Miner, Inc., Chicago, Ill. Center pin for body and truck bolsters. 2,495,932, Jan. 31.
Haseltine, Stacy B., La Grange, assignor to W. H. Miner, Inc., Chicago, Ill. Locking means for throwout crank arms of sliding doors. 2,504,263, Apr. 18.
Haseltine, Stacy B., La Grange, assignor to W. H. Miner, Inc., Chicago, Ill. Detachable latch means for door fasteners. 2,507,786, May 16.
Haseltine, Stacy B., La Grange, assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorber for railway car truck springs. 2,512,016, June 20.
Haseltine, Stacy B., La Grange, assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorber. 2,514,574, July 11.
Haseltine, Stacy B., La Grange, assignor to W. H. Miner, Inc., Chicago, Ill. Center pin for body and truck bolsters. 2,519,464, Aug. 22.
Haseltine, Stacy B., La Grange, assignor to W. H. Miner, Inc., Chicago, Ill. Locking center pin for body and truck bolsters of railway cars. 2,526,745, Oct. 24.
Haseltine, Stacy B., La Grange, assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorbing mechanism for railway draft riggings. 2,527,675, Oct. 31.
Haseltine, Stacy B., La Grange, assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorbing mechanism. 2,527,676, Oct. 31.
Haseltine, Stacy B., La Grange, assignor to W. H. Miner, Inc., Chicago, Ill. Detachable latch arm for door fasteners. 2,529,606, Nov. 14.
Haseltine, Stacy B., La Grange, assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorber. 2,532,363, Dec. 5.
Haseltine, Stacy B., La Grange, assignor to W. H. Miner, Inc., Chicago, Ill. Actuating means for throwout crank arms of sliding doors. 2,534,443, Dec. 19.
Hasely, Joe R., Rock Springs, Wyo. Animal trap. 2,495,894, Jan. 31.
Haskell, Chester G., Los Angeles, Calif. Stuffing box. 2,511,109, June 13.
Haskell, Philip R.: *See*—
Walker, Merle H., and Haskell.
Haskew, Spencer, Coogee, near Sydney, New South Wales, assignor to Communication Engineering Pty. Limited, Cammeray, near Sydney, New South Wales, Australia. Molding magnetic powder. 2,503,947, Apr. 11.
Haskins, Albert R., Chagrin Falls, Ohio. Bedpan vehicle. 2,500,544, Mar. 14.
Haskins, Robert, Jr.: *See*—
Barkalow, Clare E., and Haskins.
Haskins, Robert, Jr., Garden City, and C. E. Barkalow, Floral Park, N. Y., assignors to The Sperry Corporation. Erecting means for gyro verticals. 2,492,995, Jan. 3.
Haslam, William E., Burbank, assignor of forty-nine per cent to K. M. Brenner, Long Beach, Calif. Well blowout preventer. 2,506,359, May 2.
Hasler, Albert A., and J. Pfister, assignors to The Duplan Corporation, Hazelton, Pa. Rotary knife for cutting yarn on quills. 2,525,097, Oct. 10.
Haslett, Harold D., Wildwood, N. J. Bag spreader. 2,505,289, Apr. 25.
Haslup, Dodson, Grafton, W. Va. Pen and pencil holder. 2,518,989, Aug. 15.
Hass, Albert C., Elmhurst, Ill. Electric extension cord plug. 2,493,871, Jan. 10.
Hass, Gerhard J.: *See*—
Zentner, Margaret R., and Haas.
Hass, Henry B., West Lafayette, Ind., and R. T. Blickenstaff, Wyoming, Ohio, assignors to Purdue Research Foundation, La Fayette, Ind. 2-nitro-1, 1-bis (p-chlorophenyl) alkanes, and insecticidal compositions containing same. 2,516,186, July 25.
Hassan, Fauthal A., assignee: *See*—
Hassan, Joseph A.
Hassan, Hussein, Chelmsford, assignor to Marconi Sounding Device Company Limited, London, England. Echo sounder and similar distance measuring devices. 2,516,982, Aug. 1.
Hassan, Joseph A., assignor of one-half to F. A. Hassan, Quincy, Mass. Loud-speaker diaphragm with stiffening struts. 2,513,171, June 27.
Hassan, Joseph A., Danbury, Conn. Skin opener. 2,513,797, July 4.
Hassan, Kenneth J., Danbury, Conn. Carroting solution. 2,500,678, Mar. 14.
Hassay, Joseph F., Campbell, Ohio. Electrical switch for motor vehicles. 2,513,172, June 27.
Hasse, Franklin C., Chicago, Ill., assignor to The Linde Air Products Company. Multiflame heating head. 2,518,543, Aug. 15.
Hasselbaum, Oscar H., Arlington, assignor to Joseph Pollak Corporation, Dorchester, Mass. Electrical connector. 2,496,208, Jan. 31.
Hasselbaum, Oscar H., assignor to Joseph Pollak Corp., Dorchester, Mass. Electrical switch. 2,502,042, Mar. 28.
Hasselblad, Fritz V., assignee: *See*—
Cronholm, Einar.
Svensson, Algot P.
Hasselhorn, Walter C., assignor to Cook Electric Company, Chicago, Ill. Method of and means for removing contamination from an atmosphere controlled furnace. 2,529,155, Nov. 7.
Hasselhorn, Walter C., assignor to Cook Electric Company, Chicago, Ill. Bellows. 2,532,448, Dec. 5.
Hasselhorn, Walter C., assignor to Cook Electric Company, Chicago, Ill. Making metal bellows. 2,534,123, Dec. 12.
Hasselhorn, Walter C., assignor to Cook Electric Company, Chicago, Ill. Fabricating bellows. 2,534,124, Dec. 12.
Hassell, Alton J. H., Spokane, Wash. Boiler combustion chamber control. 2,494,173, Jan. 10.
Hassell, Frank S., Jr., Washington, D. C. Page end signalling means for typewriters, billing machines, and the like. 2,505,769, May 2.
Hassell, Richard R., Cranston, R. I. Protractor 2,508,111, May 16.
Hasselquist, Victor H., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Belt-driven pulley clutch and brake. 2,521,163, Sept. 5.
Hasselquist, Victor H., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Tubular rivet. 2,521,848, Sept. 12.
Hasselquist, Victor H., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Collapsible container. 2,529,872, Nov. 14.
Hasselstrom, Torsten, assignor to U. S. Industrial Chemicals, Inc., New York, N. Y. Removal of the sodium salt of lignoceric acid and other materials from a tall oil soap. 2,519,903, Aug. 22.
Hasselstrom, Torsten, and E. A. Brennan, assignors to G and A Laboratories, Inc., Savannah, Ga. Stabilizing rosin. 2,503,268, Apr. 11.

Hassler, Joe M., Altadena, Calif. Artificial eyelash and apparatus for storing and curling it. 2,503,552, Apr. 11.
Hassman, Fred A.: *See*—
Nenninger, Lester F., and Hassman.
Hassman, Fred A., and E. D. Vancil, assignors to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Braking mechanism for machine tools. 2,504,413, Apr. 18.
Hassock Company, assignee: *See*—
Reichhelm, George L.
Hassold, Victor C., Wyndmoor, assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa. Reed for looms. 2,494,123, Jan. 10.
Hassold, Victor C., Wyndmoor, and J. T. Ullom, Philadelphia, Pa. Invalid lifting apparatus. 2,498,853, Feb. 28.
Hastings, Charles E., Hampton, Va. Magnetic switch. 2,497,547, Feb. 14.
Hastings, Charles E., Hampton, Va. Frequency meter. 2,523,297, Sept. 26.
Hastings, Charles E., Hampton, Va. Radio velocity and position determining system. 2,527,548, Oct. 31.
Hastings, Charles E., assignor to Hastings Instrument Company, Inc., Hampton, Va. Navigational aid. 2,528,140, Oct. 31.
Hastings, Charles E., assignor to Hastings Instrument Company, Inc., Hampton, Va. Navigation and tracking apparatus. 2,528,141, Oct. 31.
Hastings Instrument Company, Inc., assignee: *See*—
Hastings, Charles E.
Hastings Manufacturing Company, assignee: *See*—
Dutterer, Rex J. L.
Olsen, Ernest R., Flora, and Lonnee.
Phillips, Harold P.
Wait, Robert E.
Wilkinson, James W.
Hastings, Richard W., Mullan, Idaho. Antiskid device. 2,518,313, Aug. 8.
Hastings, Shirrel A., assignor to Crane Packing Company, Chicago, Ill. Roll neck seal. 2,500,898, Mar. 14.
Haswell, Ara, Bryan, Tex. Operating device for slide fasteners. 2,515,557, July 18.
Haswell, Walter T.: *See*—
Kramer, Irvin R., Toleman, and Haswell.
Hatch, Curtis L., assignor of one-third to E. D. Hatch, Salt Lake City, Utah. Clamp connector. 2,497,602, Feb. 14.
Hatch, Edwin D., assignee: *See*—
Hatch, Curtis L.
Hatch, Lewis F., Austin, Tex., and T. W. Evans, Oakland, assignors to Shell Development Company, San Francisco, Calif. Saturated dihydric alcohols and the preparation thereof. 2,513,133, June 27.
Hatch, Meredith R.: *See*—
Rode, Fredrich J., and Hatch.
Hatch, Park, L. Hinz, and I. A. King, Horton, Kans. Digging bucket device. 2,508,606, May 23.
Hatch, Raymond S., and R. N. Hammond, assignors to Weyerhaeuser Timber Company, Longview, Wash. Apparatus for growing aerobic organisms. 2,522,947, Sept. 19.
Hatch, Robert A., assignor to Corning Glass Works, Corning, N. Y. Micaceous compositions. 2,516,983, Aug. 1.
Hatch, Robert L., assignor to Rodney Hunt Machine Company, Orange, Mass. Self-acting trash rake. 2,517,874, Aug. 8.
Hatch, Sidney L., assignee: *See*—
Jones, Charles E.
Hatcher, David B., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Production of silanes. 2,532,493, Dec. 5.
Hatcher, John B., Chicago, Ill., assignor to the United States of America as represented by the Secretary of the Navy. Fuse. 2,515,040, July 11.
Hatchett, Henry H., Jackson Heights, N. Y. Holder panel for removably mounting thereon indicia bearing cards. 2,513,239, June 27.
Haterius, Chauncey M., assignee: *See*—
Omeron, Carl J. E.
Hateshi, Hazara S., assignor, by mesne assignments, to Zenith Processing Corporation, Los Angeles, Calif. Freshening and bleaching process for fruits and vegetables. 2,519,465, Aug. 22.
Hatfield, Arch L., and H. P. Owen, Maple Heights, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Adhesive composition comprising a rosin alcohol and a butadiene-acrylonitrile copolymer. 2,535,852, Dec. 26.
Hatfield, Cortland, Elizabethton, Tenn., assignor, by mesne assignments, to Beaunit Mills, Inc., New York, N. Y. Spinning device. 2,497,082, Feb. 14.
Hatfield, Cortland, Elizabethton, Tenn., assignor, by mesne assignments, to Beaunit Mills, Inc., New York, N. Y. Spinning funnel. 2,503,821, Apr. 11.
Hatfield, John E., Letchworth, England, assignor to Irving Air Chute Co. Inc., Buffalo, N. Y. Releasing a parachute from its pack. 2,516,571, July 25.
Hatfield, L. Shirl, administrator: *See*—
Moyer, Wilmer L., and Deck.
Hatfield, Milton L., Coldwater, Mich. Scooter. 2,493,287, Jan. 3.
Hatfield, Milton L., Elkhart, Ind. Centrifugal clutch. 2,513,798, July 4.
Hatfield, Samuel, Lehigh, Iowa. Battery support. 2,514,056, July 4.
Hathaway, Barbara H., Hollywood, Calif. Time teaching device. 2,493,138, Jan. 3.
Hathaway, C. F., Co., assignee: *See*—
Logan, Ashley J.
Hathaway, Claude M., Denver, Colo. Removable flight recording apparatus. 2,510,575, June 6.
Hathway, David E.: *See*—
Coffey, Samuel, Fairweather and Hathway.
Hathaway, Harlow H., Los Angeles, Calif. Incinerator. 2,535,206, Dec. 26.
Hathaway, Jarrett L., Manhasset, N. Y., assignor to Radio Corporation of America. Intermodulation meter. 2,520,766, Aug. 29.
Hathaway, Stanley, and H. A. Bost, Greenville, N. C. Tobacco press. 2,499,310, Feb. 28.
Hatherell, George A., Roscoe, Calif. Marble shooter. 2,496,345, Feb. 7.
Hatkoff, Nathan R., Westport, Conn. Corn pad. 2,510,780, June 6.
Hattan, Mark, Dayton, Ohio. Self-locking nut and making the same. 2,497,081, Feb. 14.
Hattan, Mark, Dayton, Ohio. Self-locking nut. 2,515,220, July 18.
Hattan, Mark, Pasadena, Calif. Shockless parachute. 2,525,798, Oct. 17.
Hatten, Lewis E., Perkinston, Miss. Adjustment means for exterior-type rearview mirrors. 2,527,507, Oct. 31.
Hattersley, Charles H., Leeds, England. Flier for spinning and like machines. 2,535,736, Dec. 26.
Hatton, John A.: *See*—
Cleveland, Donald L., Hatton and Montgomery.
Hauber, Erwin J., New York, N. Y. Fuel injector for internal-combustion engines. 2,512,644, June 27.
Haubroe, Charles A.: *See*—
Dykman, Reinhold W., and Haubroe.
Hauck, Henry J., Schenectady, N. Y. Rack and gear actuated screw cap remover. 2,495,004, Jan. 17.
Hauck Manufacturing Company, assignee: *See*—
Schumann, Alfred F.
Turpin, Alexander J.
Turpin, Alexander J., and Parker.
Hauck, Paul A.: *See*—
Holmwood, Richard H., and Hauck.
Hauer, Arthur, Detroit, Mich. Corner truck unit. 2,529,390, Nov. 7.
Hauer, Frank J., Dayton, Ohio. Carbon-set form. Re. 23,214, Mar. 28.
Hauerslev, Walter, Copenhagen, Denmark. Electrical push-button device. 2,503,669, Apr. 11.
Hauf, George F., River Forest, assignor to Chicago Metal Mfg. Co., Chicago, Ill. Pipe coupling. 2,508,716, May 23.
Haufiaire, Harold: *See*—
Davey, George M., and Haufiaire.
Haug, John S., Chestnut Hill, assignor to United Engineers & Constructors Inc., Philadelphia, Pa. Making gas. 2,505,894, May 2.
Haug, Thaddeus L. E., Berkeley, Calif. Pipe support. 2,533,370, Dec. 12.
Haugen, Edmond H., Birmingham, assignor to The Timken Detroit Axle Company, Detroit, Mich. Radiator. 2,516,871, Aug. 1.
Haugh, Raymond R., Evanston, assignor to Kraft Foods Company, Chicago, Ill. Animal food manufacture. 2,508,112, May 16.
Haughton Elevator Company, The, assignee: *See*—
Wilson, Chester K.
Haughwout, Lefferd B., Elyria, Ohio. Film handling device. 2,525,746, Oct. 10.
Hauk, Joseph, Waukesha, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Pivoted hoist with adjustably supported arm. 2,521,216, Sept. 5.
Haumann, George, Portland, Oreg., assignor to The Coe Manufacturing Company, Painesville, Ohio. Veneer lathe. 2,501,387, Mar. 21.
Haumann, George, Portland, Oreg. Bark removing lathe. 2,534,671, Dec. 19.
Haumann, Joseph, assignor, by mesne assignments, to Dresko Machine Corporation, Chicago, Ill. Vending machine. 2,497,219, Feb. 14.
Haupt, James W.: *See*—
Cardwell, Harland W., and Haupt.
Haupt, Lambert J., Spokane, Wash. Hose support. 2,523,658, Sept. 26.
Haupt, Walter H.: *See*—
Pitts, Franklin A., and Haupt.
Haupt, Walter H., Ludlow, assignor to The Kelley-Koett Manufacturing Co., Covington, Ky. Electrical testing device. 2,515,004, July 11.
Haury, Paul T., New Brunswick, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Friction device for operating knobs in adjustable apparatus. 2,509,058, May 23.
Haury, Vernon E., Simi, assignor to Shell Development Company, San Francisco, Calif. Preparation of amino alcohols. 2,497,548, Feb. 14.
Haury, Vernon E., Simi, assignor to Shell Development Company, San Francisco, Calif. Preparing unsaturated imines. 2,498,419, Feb. 21.

Haury, Vernon E., Simi, assignor to Shell Development Company, San Francisco, Calif. Reaction of a primary amine with an imine. 2,513,996, July 4.
Haury, Vernon E., El Cerrito, assignor to Shell Development Company, San Francisco, Calif. Derivatives of dihydropyridine. 2,516,625, July 25.
Haury, Vernon E., Simi, assignor to Shell Development Company, San Francisco, Calif. Tetrahydropyrimidine compounds and their preparation. 2,516,626, July 25.
Haury, Vernon E., El Cerrito, and S. A. Ballard, Orinda, assignors to Shell Development Company, San Francisco, Calif. Isophorone imines. 2,535,922, Dec. 26.
Hausam, Edward F., Normandy, Mo. Machine lathe. 2,529,551, Nov. 14.
Hausch, Douglas C.: *See*—
Purcell, Glenn, and Hausch.
Hauschild, Frederick J., Oneonta, N. Y. Sheet metal straightening teel. 2,528,361, Oct. 31.
Hauser, Carl, Steffisburg, Switzerland. Surface working machine. 2,534,969, Dec. 19.
Hauser, Ernst A., Cambridge, Mass. Modified gel-forming clay and producing same. 2,531,427, Nov. 28.
Hauser, Ernst A., Cambridge, Mass. Application of drilling fluids. 2,531,812, Nov. 28.
Hauser, George H., Berkeley, and F. R. Wagner, Oakland, assignors to B. Walker, Piedmont, Calif. Venetian blind. 2,532,617, Dec. 5.
Hauser, Henry W., assignor to Jonto Products Incorporated, Wauwatosa, Wis. Furniture antiskid device. 2,519,466, Aug. 22.
Hauser, John M., assignor to House of Modern Medical Appliances Company, Takoma Park, Md. Artificial arm. 2,512,526, June 20.
Hauser, John M., Takoma Park, Md., and B. M. Snow, Washington, D. C. Ankle brace. 2,516,872, Aug. 1.
Hauser, Paul M., Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Carnauba wax as slip agent for vinylidene chloride-acrylonitrile copolymer films. 2,525,671, Oct. 10.
Hauser, Richard: *See*—
Sandin, Jerome, and Hauser.
Häusermann, Heinrich, assignor to J. R. Geigy A. G., Basel, Switzerland. Stilbene disulfonic acid derivatives. 2,521,665, Sept. 5.
Haushalter, Fred L., and G. G. Hunter, assignors to Baldwin Rubber Company, Pontiac, Mich. Pedal. 2,507,009, May 9.
Hausheer, Walter E., assignee: *See*—
Byerly, Oliver M.
Hausladen, Harold L., Duluth, Minn. Automobile heater. 2,501,512, Mar. 21.
Hausman, George J., Cincinnati, Ohio, assignor to McGraw Electric Company. Connector. 2,534,970, Dec. 19.
Hausman, Joseph G., Cincinnati, Ohio. Invalid equipment. 2,495,968, Jan. 31.
Haut, Fritz, and W. Friedlander, assignors, by mesne assignments, to Mono-Cam Limited, London, England. Fuel injection pump. 2,517,483, Aug. 1.
Hauta, Verner E., Bessemer, Mich. Axially shifting type tire removing device. 2,528,362, Oct. 31.
Hautzenroeder, Richard W., Mansfield, Ohio, assignor to Harry Ferguson, Inc., Detroit, Mich. Hood latch. 2,523,505, Sept. 26.
Hautzenroeder, Richard W., Mansfield, Ohio. Hydraulic power device positioning control mechanism. 2,531,428, Nov. 28.
Haux, Elmer H., assignor to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Making synthetic brush bristles. 2,520,502, Aug. 29.
Haveg Corporation, assignee: *See*—
McWhorter, Purnal L.
Havenhill, Robert S., and H. C. O'Brien, Beaver, Pa., assignors to St. Joseph Lead Company, New York, N. Y. Measurement of electrostatic charges using rotating converter. 2,516,984, Aug. 1.
Havens, Carl B., Hope, assignor to The Dow Chemical Company, Midland, Mich. Thermostable polymeric vinylidene chloride composition. 2,530,353, Nov. 14.
Havens, John L., Wichita Falls, Tex. Circulation indicator. 2,513,863, July 4.
Havens, Ralph J., Arlington, Va., and H. S. Stewart, Washington, D. C. Bolometer. 2,516,873, Aug. 1.
Haver, Burton L., Kingston, N. Y. Adjusting or controlling device. 2,531,216, Nov. 21.
Haviland, Robert P., Scotia, N. Y. Automatic tuning device. 2,518,470, Aug. 15.
Havir, Andrew H., St. Paul, Minn. Brake with release. 2,505,543, Apr. 25.
Havir, Andrew H., St. Paul, Minn. Clutch actuating mechanism. 2,506,452, May 2.
Havlíček, Josef, Prague, Czechoslovakia. Electric joint. 2,499,825, Mar. 7.
Havlick, Jesse L., assignor of forty per cent to G. Meidema, Spokane, Wash. Double tube core barrel for core drilling. 2,532,716, Dec. 5.
Havnen, Egil J., Oslo, Norway. Combined lead pencil holder or protector and sharpener. 2,514,761, July 11.
Hawaiian Pineapple Company, Limited, assignee: *See*—
Eguchi, George M., and Wells.
Erickson, Arvid M.
Mehrlich, Ferdinand P.
Nakaura, Fukashi.
Hawes, Albert H., Birmingham, assignor, by mesne assignments, to Kwikform Limited, Small Heath, Birmingham, England. Scaffolding clamp. 2,506,640, May 9.
Hawes, Albert H., assignor, by mesne assignments, to Kwikform Limited, Birmingham, England. Supporting and adjusting movable shuttering for use in the construction of walls or the like from concrete or similar material. 2,516,318, July 25.
Hawes, Truman P., Baton Rouge, La., and A. P. Giraitis, Bradford, Pa., assignors to Standard Oil Development Company. Sulfuric acid recovery. 2,512,327, June 20.
Hawk, Carson E., Glendale, and K. J. Walker, Temple City, assignors to Aerojet Engineering Corporation, Azusa, Calif. Nozzle valve. 2,515,085, July 11.
Hawk, Elwin A., East Rochester, Ohio. Suction holding apparatus. 2,512,274, June 20.
Hawk, Elwin A., East Rochester, Ohio. Apparatus for forming concave surfaced articles. 2,512,275, June 20.
Hawk, George T.: *See*—
Jasper, Cronje, and Hawk.
Hawk, Walter H.: *See*—
Escoffery, Charles A., and Hawk.
Hawkes, William M., Jr.: *See*—
Brodie, George R., and Hawkes.
Hawkins, Clyde D., Braymer, and G. L. Hawkins, Richmond, Mo., said C. D. Hawkins assignor to said G. L. Hawkins. Emasculatory instrument. 2,506,831, May 9.
Hawkins, Frank S., Wembley, and A. G. Pearce, North Wembley, England, assignors to General Electric Company. Photographic flash bulb. 2,525,032, Oct. 10.
Hawkins, George L.: *See*—
Hawkins, Clyde D. and G. L.
Hawkins, George L., and P. H. Thompson, Kirkwood, Mo., said Thompson assignor to said Hawkins. Tape applying apparatus. 2,502,257, Mar. 28.
Hawkins, Grover, Shoshoni, Wyo. Maintaining constant compression in cylinders of internal-combustion engines. 2,500,409, Mar. 14.
Hawkins, Henry L., Jr., assignee: *See*—
Hawkins, Henry L., Sr.
Hawkins, Henry L., Sr., Gladys, assignor of twenty per cent to H. L. Hawkins, Jr., and twenty per cent to R. L. Hawkins, Campbell, Va. Latch for windows. 2,529,020, Nov. 7.
Hawkins, James E., assignor to Seismograph Service Corporation, Tulsa, Okla. Testing device for seismic signal apparatus. 2,493,534, Jan. 3.
Hawkins, James E., assignor to Seismograph Service Corporation, Tulsa, Okla. Geophysical prospecting system. 2,513,314, July 4.
Hawkins, James E., assignor to Seismograph Service Corporation, Tulsa, Okla. Radio position determining system. 2,513,315, July 4.
Hawkins, James E., assignor to Seismograph Service Corporation, Tulsa, Okla. Radio survey system. 2,513,316, July 4.
Hawkins, James E., assignor to Seismograph Service Corporation, Tulsa, Okla. Geophysical prospecting system. 2,513,319, July 4.
Hawkins, James E., assignor to Seismograph Service Corporation, Tulsa, Okla. Radio position determining system. 2,513,320, July 4.
Hawkins, James E., assignor to Seismograph Service Corporation, Tulsa, Okla. Radio location system. 2,513,321, July 4.
Hawkins, James E., assignor to Seismograph Service Corporation, Tulsa, Okla. Radio location system. 2,513,322, July 4.
Hawkins, James E., and R. S. Finn, assignors to Seismograph Service Corporation, Tulsa, Okla. Radio position determining system. 2,513,317, July 4.
Hawkins, James E., and B. W. Koeppel, assignors to Seismograph Service Corporation, Tulsa, Okla. Radio position finding system. 2,513,318, July 4.
Hawkins, John J.: *See*—
Dermer, Otis C., and Hawkins.
Hawkins, L. G., & Company Limited, assignee: *See*—
Hawkins, Lawrence G.
Hawkins, Lawrence G., assignor to L. G. Hawkins & Company Limited, London, England. Table, trolley, or the like. 2,520,543, Aug. 29.
Hawkins, Paul E., Lakewood, assignor to The Baker-Raulang Company, Cleveland, Ohio. Truck brake. 2,502,007, Mar. 28.
Hawkins, Richard L., assignee: *See*—
Hawkins, Henry L., Sr.
Hawkins, Roe C.: *See*—
Hinckley, Harold A., and Hawkins.
Hawkins, Roe C., Long Beach, Calif. Pickup truck with automatic tilt. 2,532,717, Dec. 5.
Hawkins, Victor A., Brooklyn, N. Y. Shade roller winding device. 2,534,020, Dec. 12.
Hawkins, Walter S.: *See*—
Stuellein, William H., Hawkins, and Gamel.
Hawkins, William H.: *See*—
Alpern, Dwight K., Freydberg, and Hawkins.
Hawkins, William P., El Paso, Tex. Outboard motor control. 2,526,946, Oct. 24.
Hawkins, Willis M., North Hollywood, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Airplane wing and slotted flap. 2,511,504, June 13.
Hawkins, Willis M., Jr.: *See*—
Johnson, Clarence L., Hawkins, Jr., and Storey, Jr.

Hawkinson, Paul E., assignor to Paul E. Hawkinson Company, Minneapolis, Minn. Producing a skid-resistant thread. Re. 23,235, May 30.
Hawkinson, Paul E., assignor to Paul E. Hawkinson Company, Minneapolis, Minn. Buffing stand. 2,493,289, Jan. 3.
Hawkinson, Paul E., assignor to Paul E. Hawkinson Company, Minneapolis, Minn. Tire tread. 2,502,521, Apr. 4.
Hawkinson, Paul E., assignor to Paul E. Hawkinson Company, Minneapolis, Minn. Tire tread. 2,526,746, Oct. 24.
Hawkinson, Paul E., Company, assignee: *See*— Hawkinson, Paul E.
Hawkinson, Roy E., Bloomfield Hills, Mich. Dental forceps. 2,531,126, Nov. 21.
Hawks, Clarence L., Fruita, Colo. Bellows type siphon and syringe. 2,511,469, June 13.
Hawks, Verl J., Mount Vernon, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmission control in two-way signaling systems. 2,510,975, June 13.
Hawley, Don M.: *See*— Caesar, George V., Bauer, and Hawley.
Hawley, Floyd E., Devon, Conn., assignor to Moore Special Tool Co., Inc. Making diamond loaded abrasive articles. 2,523,698, Sept. 26.
Hawley, Gerald M., Kansas City, Mo. Frost collector for open topped refrigerators. 2,500,679, Mar. 14.
Hawley, Harold K.: *See*— Mills, Victor, Sanders, and Hawley.
Hawley, Joe E., Twin Falls, Idaho. Combined traffic signal and guard. 2,498,270, Feb. 21.
Hawley, Roger S., Linden, N. J., assignor to Standard Oil Development Company. Methoxy dicyclopentadiene mercuric chloride for controlling parasites. 2,523,114, Sept. 19.
Hawn, Ralph A., assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Adjustable drive shaft. 2,501,217, Mar. 21.
Haworth, Leland J., Belmont, R. W. Lee, Watertown, and C. W. Sherwin, Belmont, Mass., assignors, by mesne assignments, to the United States of America as represented by the Secretary of War. Pulse delay circuit. 2,512,152, June 20.
Haworth, Lionel: *See*— Bell, Frank R., Judson, and Haworth.
Haworth, Roy D., Jr., Chicago, and W. E. Mahin, La Grange, Ill., assignors, by mesne assignments, to Michiana Products Corporation, Michigan City, Ind. Centrifugal ball peening machine. 2,508,333, May 16.
Haworth, Walter N., and L. F. Wiggins, Birmingham, England. Manufacture of 5-hydroxymethyl 2-furfural. 2,498,918, Feb. 28.
Hawthorn, Harold L., and E. M. Germond, assignors to Penn Electric Switch Co., Goshen, Ind. Electromagnetic switch assembly. 2,503,484, Apr. 11.
Hawthorne, William R., Silver Spring, Md., assignor to Power Jets (Research and Development) Limited, London, England. Gas turbine propulsion unit. 2,504,414, Apr. 18.
Haxby, Robert O.: *See*— Wells, William H., Stephens, Shoupp, and Haxby.
Haxby, Robert O., Bellmore, N. Y., assignor to The Sperry Corporation. Tunable high-frequency cavity resonator. 2,492,996, Jan. 3.
Hay, Frank B., Jr.: *See*— Hay, Steven H., and F. B. Hay, Jr.
Hay, Henry C., assignee: *See*— Manke, Edward W.
Hay, Jean K., and K. C. Webster, Liverpool, England, assignors to Imperial Chemical Industries Limited. Isolation of an isomeric form of benzene hexachloride. 2,502,258, Mar. 28.
Hay, John O.: *See*— Harshaw, William J., and Hay.
Hay, Steven, H., Racine, and F. B. Hay, Jr., Sturtevant, Wis. Animal drinking cup. 2,514,491, July 11.
Haycock, Harold J., Solihull, and H. G. C. Wilson, Stratford-on-Avon, England. Screw-thread die. 2,513,864, July 4.
Hayden, Arthur C., Nantucket, assignor of thirty-three and one-third per cent to A. Falcofsky and thirty-three and one-third per cent to B. Smola, New Bedford, Mass. Inserter or remover for thumbtacks. 2,533,112, Dec. 5.
Hayden, Davis H., Sarasota, Fla., assignor of one-half to D. H. Herald, New York, N. Y., and one-half to E. H. Mayer, Sarasota, Fla. Retaining wall. 2,525,547, Oct. 10.
Hayden, Edward L., Harrisonburg, Va. Toy bank. 2,520,683, Aug. 29.
Hayden, John R.: *See*— Holmes, John R., May, and Hayden.
Hayden, Merrill A., assignor to Vickers Incorporated, Detroit, Mich. Power transmission. 2,505,710, Apr. 25.
Hayden, Robert L. J.: *See*— Sampson, William, and Hayden.
Hayden, William L., Bryn Mawr, Pa. Mouse and rat trap. 2,496,393, Feb. 7.
Haydock, Roger P., assignee: *See*— Goppage, Charles L.
Haydon, Arthur W., Marion, Conn. Electric motor and fabricating same. 2,505,829, May 2.
Haydon, Arthur W., Marion, Conn. Electrical timing system. 2,506,784, May 9.
Haydon, Arthur W., Marion, Conn. Electric motor. 2,513,410, July 4.
Haydon, Arthur W., Marion, Conn. Motor speed governor. 2,523,298, Sept. 26.
Haydu, Bartley A., Detroit, Mich. Umbrella cover mounting. 2,533,799, Dec. 12.
Hayek, Arthur F., Pleasantville, N. Y. Card feeding device. 2,533,932, Dec. 12.
Hayes, Albert E., Jr., West Hartford, Conn., assignor to Bendix Aviation Corporation, Towson, Md. Balanced capacity phonograph. 2,515,957, July 18.
Hayes, Bertram H.: *See*— Pierson, Raymond G., and Hayes.
Hayes, Charles F. M., Wandsworth, London, assignor to The Mullard Radio Valve Company Limited, London, England. Feeding mechanism. 2,495,522, Jan. 24.
Hayes, Charles F. M., Wandsworth, assignor to The Mullard Radio Valve Company Limited, London, England. Glass molding machine. 2,507,441, May 9.
Hayes, Charles T., assignor to Dynamatic Corporation, Kenosha, Wis. Electrical driving mechanism. 2,512,017, June 20.
Hayes, Dale I., Spokane, Wash. Mucking and loading device. 2,518,471, Aug. 15.
Hayes, Dudley W.: *See*— Bluhm, Fred A., Hayes, and Zeigler.
Hayes, Earl T., and F. P. Williams, Salt Lake City, Utah, and W. M. Sternberg, Long Beach, Calif. Production of lithium chloride from spodumene. 2,533,246, Dec. 12.
Hayes Econocrete Corporation of America, assignee: *See*— Hayes, Hal B.
Hayes, Ernest E., Van Nuys, Calif. Hopper with adjustable support means. 2,507,010, May 9.
Hayes, Foster F., Paducah, Ky. Draft key retainer. 2,534,125, Dec. 12.
Hayes, Frank A.: *See*— Turner, Edgar P., and Hayes.
Hayes, Hal B., Tujunga, Calif., assignor to Hayes Econocrete Corporation of America, Reno, Nev. Molding lightweight concrete panels. 2,522,116, Sept. 12.
Hayes, Harvey C., Washington, D. C. Electrodynamic transceiver for transmission and reception of sound. 2,517,565, Aug. 8.
Hayes, Harvey C., Washington, D. C. Housing for electroacoustical apparatus. 2,527,217, Oct. 24.
Hayes, Henry G., Leonardville, Kans. Portable power-operated splitting band saw. 2,515,345, July 18.
Hayes Industries, Inc., assignee: *See*— Hollerith, Charles.
Hayes, John P., Los Angeles, Calif. Play and exercising ball. 2,500,073, Mar. 7.
Hayes, Joseph E., assignee: *See*— Mondloch, Benedict J.
Hayes, Loren A.: *See*— Findlay, Samuel N., and Hayes.
Hayes, Malcolm L.: *See*— Payne, Elmer C., Hayes, and Demb.
Hayes, Paul V., Groveland, assignor of thirty percent to V. R. Van Wey, Pekin, Ill. Pressure control switch. 2,519,134, Aug. 15.
Hayes, Ralph P.: *See*— Mapes, Daniel, Sylvester, and Hayes.
Hayes, Robert A., Franklin Park, and W. C. Rykert, Hinsdale, assignors to Union Special Machine Company, Chicago, Ill. Automatic tuning of high-frequency electrical seaming apparatus. 2,522,823, Sept. 19.
Hayes, Robert L.: *See*— Krueger, John, Hayes, and Guthier.
Hayes, Stanley A., Pasadena, Calif. Irrigator head. 2,515,600, July 18.
Hayes, Stanley A., Pasadena, Calif. Pump spray. 2,521,164, Sept. 5.
Hayes, Stanley I., and M. S. Wade, Binghamton, N. Y., assignors to Link Aviation, Inc. Grounded pilot training apparatus. 2,510,500, June 6.
Hayes, Stanley I., and T. Herskovits, assignors to Link Aviation, Inc., Binghamton, N. Y. Main and auxiliary control valve arrangement for grounded aviation trainers. 2,514,762, July 11.
Hayes, Thomas E., Washington, D. C. Switch arrangement for money counting machines. 2,494,615, Jan. 17.
Hayes, Thomas E., Washington, D. C. Safety device for money counting machines. 2,530,057, Nov. 14.
Hayes, Tyler K.: *See*— Lindner, Ralph L., and Hayes.
Hayes, William, Millville, N. J., assignor to Armstrong Cork Company, Lancaster, Pa. Method and apparatus for forming articles of hollow glassware. 2,495,253, Jan. 24.
Hayes, Willie, Pratt City, Ala., assignor to Tennessee Coal, Iron and Railroad Company. Jig. 2,502,840, Apr. 4.
Hayford, Benjamin I.: *See*— MacNeill, John B., and Hayford.
Hayford, Lyman K., Springfield, Mass. Saw for cable sheaths. 2,519,835, Aug. 22.
Hayman, George C., Riverton, Wyo., assignor to Hayman Window Company, Denver, Colo. Slip sash for windows. 2,521,292, Sept. 5.

Hayman, Max, and C. W. Galen, assignors to G. Heyman and M. Hayman, Battle Creek, Mich. Shredder type culinary article. 2,505,114, Apr. 25.
Hayman Window Company, assignee: *See*— Hayman, George C.
Hayne, Horace, assignee: *See*— Schuessler, Leo W.
Hayner Corporation, assignee: *See*— Gordon, Hayner H.
Hayner, George P., Schenectady, N. Y., assignor to General Electric Company. Clamping device. 2,523,760, Sept. 26.
Haynes, Charles L., Flintridge, assignor to C. F. Braun & Co., Alhambra, Calif. Expansion joint. 2,493,404, Jan. 3.
Haynes, Harold E., Audubon, N. J., assignor to Radio Corporation of America. Facsimile system with regulated power supply. 2,502,218, Mar. 28.
Haynes, Harold E., Indianapolis, Ind., assignor to Radio Corporation of America. Spectrophotometer apparatus having a rotating slotted wheel to decrease light intensity. 2,494,440, Jan. 10.
Haynes, Harold E., Indianapolis, Ind., assignor to Radio Corporation of America. Gain control system for facsimile scanning. 2,506,668, May 9.
Haynes, James L., Glen Ellyn, Ill. Railroad car truck. 2,527,008, Oct. 24.
Haynes, Pierre E., Indianapolis, Ind., assignor to Koppers Company, Inc., Pittsburgh, Pa. Separating constituents of coke oven gases. 2,503,265, Apr. 11.
Haynes, Pierre E., Indianapolis, Ind., assignor to Koppers Company, Inc. System for separation of oxygen from air. 2,514,391, July 11.
Haynes, Robert B., Toledo, Ohio. Induction hardening apparatus. 2,511,059, June 13.
Hays, Dora, administratrix: *See*— Hays, Stanley.
Hays Manufacturing Company, assignee: *See*— Miller, Wesley G.
Hays, Noble E., Middletown, Ohio, assignor to Armco Steel Corporation. Continuous electroplating device. 2,512,328, June 20.
Hays, Robert F., Jr., Syosset, N. Y., assignor to The Sperry Corporation. Stabilizing apparatus. 2,524,793, Oct. 10.
Hays, Russell R., Lawrence, Kans. Sustaining rotor for aircraft. 2,495,523, Jan. 24.
Hays, Russell R., Lawrence, Kans. Hose turner. 2,516,383, July 25.
Hays, Russell R., Lawrence, Kans. Hydraulic control for drilling apparatus. 2,521,976, Sept. 12.
Hays, Stanley, deceased, Hamilton County, Ohio, by D. Hays, administratrix. Polishing wheel. 2,499,643, Mar. 7.
Hays, Thomas W., Salt Lake City, Utah, assignor to The Union Switch and Signal Company, Swissvale, Pa. Emergency control apparatus for centralized traffic control systems. 2,520,838, Aug. 29.
Hays, William B., Norman, Okla. Planetary rotary cutting mechanism. 2,506,215, May 2.
Hayslett, Lamar E., Kenmore, assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y. Telemetering of compass indication. 2,502,786, Apr. 4.
Hayslett, Lamar E., Kenmore, assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y. Multicontact connector. 2,530,354, Nov. 14.
Hayter, Bruce: *See*— Breese, James L., and Hayter.
Hayter, Bruce, assignor, by mesne assignments, to Breese Burners, Inc., Santa Fe, N. Mex. Liquid fuel vaporizing burner. 2,501,847, Mar. 28.
Hayter, Bruce, assignor, by mesne assignments, to Breese Burners, Inc., Santa Fe, N. Mex. Pilot for vaporizing burners. 2,519,570, Aug. 22.
Hayter, Bruce, and M. D. Huston, assignors, by mesne assignments, to Breese Burners, Inc., Santa Fe, N. Mex. Fuel supply control valve. 2,509,819, May 30.
Haywa, Peter, Minneapolis, Minn. Bottleholder. 2,520,203, Aug. 29.
Hayward, Carle R., Quincy, and L. Wright, Marshfield Hills, assignors to Metal Hydrides Incorporated, Beverly, Mass. Reducing iron oxide. 2,508,515, May 23.
Hayward, Claude D., Lansdowne, Pa., assignor to General Electric Company. Shockproof Holding device. 2,495,633, Jan. 24.
Hayward, James R., Washington, Ind., assignor, by mesne assignments, to McCord Corporation, Detroit, Mich. Condenser. 2,532,301, Dec. 5.
Hayward, James R., Washington, Ind., assignor to McCord Corporation, Detroit, Mich. Making heat exchangers. 2,532,302, Dec. 5.
Hayward, James R., Washington, Ind., assignor to McCord Corporation, Detroit, Mich. Apparatus for making finned tube heat exchangers. 2,532,303, Dec. 5.
Hayward, Jay W., Paulsboro, N. J. Safety spectacle bridge lift. 2,504,524, Apr. 18.
Hayward, John T., Solomons, Md. Apparatus for logging wells in terms of drilling rates. 2,494,092, Jan. 10.
Hayward, John T., Tulsa, Okla. Logging wells. 2,528,882, Nov. 7.
Hayward, John T., Tulsa, Okla. Weight on bit indicator. 2,528,883, Nov. 7.
Hayward, John T., Tulsa, Okla. Radio-activity logging of wells. 2,528,955, Nov. 7.
Hayward, John T., Tulsa, Okla. Detection of washouts in rotary drilling strings. 2,528,956, Nov. 7.
Hayward, John W., assignor to Philco Corporation, Philadelphia, Pa. Double time constant automatic volume control circuit. 2,498,839, Feb. 28.
Hayward, Ralph A., assignor to Kalamazoo Vegetable Parchment Company, Parchment, Mich. Apparatus for drying paper, paperboard, pulp, and the like. 2,532,910, Dec. 5.
Hayward, Roger, Pasadena, Calif. Bubble level with conical lens. 2,514,492, July 11.
Haywood, Frederick W., and D. S. Laidler, assignors of one-half to Wild-Barfield Electric Furnaces Limited, Watford, England. Furnace. 2,493,246, Jan. 3.
Haywood, William, Jr., Birmingham, Ala. Automatic clamping and spacing device. 2,519,653, Aug. 22.
Hazard, Charles S., Andover, N. J., assignor to Neptune Meter Company. Register controlled auto-stop valve. 2,508,064, May 16.
Hazard, Charles S., Andover, N. J., assignor to Neptune Meter Company. Registering and metering systems. 2,533,319, Dec. 12.
Hazard, Charles S., New York, N. Y., assignor to Neptune Meter Company. Automatic registering and metering system. 2,527,677, Oct. 31.
Hazard, Frederick E., Buffalo, N. Y. Structure for and method of transfer, exchange, control regulation, and storage of heat and cold. 2,512,545, June 20.
Hazel, Edwin M., Chicago, Ill. Pocket parliamentary law indicator. 2,498,854, Feb. 28.
Hazel, Ernest, Jr., St. Louis, Mo. Locking means for expansible loose-leaf binders. 2,516,382, July 25.
Hazeltine, Alan, Maplewood, N. J., assignor to Hazeltine Research, Inc., Chicago, Ill. High-voltage power-supply system. 2,513,936, July 4.
Hazeltine, Alan, Maplewood, N. J., assignor to Hazeltine Research, Inc., Chicago, Ill. Magneostrictive signal-translating arrangement. 2,526,229, Oct. 17.
Hazeltine Research, Inc., assignee: *See*—
Bels, Basil A.
Brunn, Robert B. J.
Curtis, Leslie F., and Loughlin.
Di Toro, Michael J.
Eriksen, Kenneth, and Concelman.
Farr, Kenneth E.
Harmon, Walter S.
Hazeltine, Alan.
Hirsch, Charles J.
Larson, Gilbert C.
Lewis, Harold M.
Loughlin, Bernard D.
Loughren, Arthur V.
MacDonald, William A.
Mackenzie, Ronald B.
Okrent, Jasper J.
Rado, John A.
Sheppard, Charles B.
Stenning, Luis C.
Tyson, Benjamin F.
Wheeler, Harold A.
Wooster, Nora A. and W. A.
Hazelton, George, W. A. Barker, and G. W. Gibson, Leicester, England, assignors to United Shoe Machinery Corporation, Flemington, N. J. Punching and eyeletting machine. 2,518,545, Aug. 15.
Hazen, Adelbert G., Centerline, Mich. Knockdown box construction. 2,497,453, Feb. 14.
Hazza, John, Toronto, Ontario, Canada, and S. Marcus, West Long Angeles, Calif. Comb for applying flea exterminating powder. 2,513,865, July 4.
Hazzard, George P.: *See*— Morgan, Thomas J., and Hazzard.
Heacock, Woodrow A., Los Angeles, Calif. Game board and cards adapted to be utilized therewith. 2,531,510, Nov. 28.
Head, James F., Washington, D. C. Pipe, cigar, and cigarette lighter. 2,517,662, Aug. 8.
Headon, Frank, New York, N. Y. Clasp. 2,521,456, Sept. 5.
Heald, Robert F., Nutley, C. Sutter and R. E. Compa, Bogota, assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J. Conditioning bar soap for pressing by means of infrared radiation. 2,527,062, Oct. 24.
Healey, Donald M., Leamington Spa, assignor to Joseph Lucas Limited, Birmingham, England. Retractable cover for vehicle head lamps. 2,524,442, Oct. 3.
Healy, Frank P.: *See*— Ashworth, Handel, and Healy.
Healy, Joseph F.: *See*— Hubbell, Harvey, and Healy.
Healy, Thomas W., assignor of one-half to N. Grzymkowski, Rochester, N. Y. Mop holder having screw operated sliding jaw. 2,514,763, July 11.
Heaney, John, New York, N. Y. Berth installation. 2,528,307, Oct. 31.
Heaney, William B., Phoenix, Ariz. Washing machine for bearings. 2,519,654, Aug. 22.
Heard, Edmund F.: *See*— Furman, Eugene C. and R. E., and Heard.
Heard, John A., and T. C. McCourry, Oklahoma City, Okla. Serving device having removable inner receptacle. 2,515,709, July 18.

Heard, Llewellyn, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Catalyst preparation. 2,505,895, May 2.

Hearn, Benjamine F., assignor of twenty per cent to R. S. Crowder, Jackson, Miss., thirty-seven per cent to H. J. Valentine, Sr., Phoenix, Ariz., and five per cent to R. Creekmore, Jackson, Miss. Inclined current fluid suspension ore separator. 2,497,884, Feb. 21.

Hearn, Cecil Y.: *See*—
Heath, Ernest E., and Hearn.

Hearn, Henry T., Winston-Salem, N. C. Reciprocating die actuating means. 2,523,430. Sept. 26.

Hearn, James W. E., and F. B. Meech, assignors to Optical Measuring Tools Limited, Slough, England. Camera shutter. 2,533,800, Dec. 12.

Hearn, Thomas A., Ludlow, Ky., assignor to The Globe-Wernicke Co., Norwood, Ohio. Desk pedestal locking structure. 2,498,271, Feb. 21.

Hearndon, Jesse F., Fellsmere, Fla. Frog gig. 2,529,938, Nov. 14.

Hearne, George W., El Cerrito, H. L. Yale, Berkeley, Calif., and M. C. Hoff, Columbus, Ohio, assignors to Shell Development Company, San Francisco, Calif. Preparing acetals of acetylenic aldehydes. 2,508,257, May 16.

Hearne, George W., and C. G. Schwarzer, El Cerrito, assignors to Shell Development Company, San Francisco, Calif. Production of allyl acrylate from acrolein. 2,516,627, July 25.

Hearne, George W., El Cerrito, and V. W. Buls, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Production of alkyl pyridines. 2,520,097, Aug. 22.

Hearne, George W., El Cerrito, and M. L. Adams, Modesto, Calif. Production of chloroprene by pyrolysis. 2,524,383, Oct. 3.

Hearne, Thomas P., assignor to The Ryan Aeronautical Co., San Diego, Calif. Positioning device. 2,493,290, Jan. 3.

Hearst, Maria, assignee: *See*—
Simpson, Joseph A.

Hearst, William and G. Plackett. Oakland, Calif. Combined tufting and spring-style needle. 2,518,888, Aug. 15.

Heat Equipment Company, assignee: *See*—
Moss, Dean.

Heat Generating Systems, Inc., assignee: *See*—
Belgau, Robert C., and Ward.

Heat Pumps Limited, assignee: *See*—
Newcombe, Clare K.

Heatbath Corporation, assignee: *See*—
Newell, Isaac L.

Heath, Clarence W., Nottinghamshire, England, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Electrical socket. 2,533,933, Dec. 12.

Heath, Donald P., Pitman, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Jet combustion fuel. 2,501,124, Mar. 21.

Heath, Ernest E., San Diego, and C. Y. Hearn, El Cajon, assignors to Bay Shore Motors, San Diego, Calif. Valve length tolerance measuring attachment for valve stem grinders. 2,511,583, June 13.

Heath, Fletcher M., Richmond, Va. Carrying rack for roll-ball game equipment. 2,520,803, Aug. 29.

Heath, Harry M., Holyoke, Mass. Pencil sharpener. 2,521,165, Sept. 5.

Heath, Jesse M.: *See*—
Steele, Frederick I., and Heath.

Heath, Paul D.: *See*—
Vahle, Julius, and Heath.

Heath, Robert, Fort Collins, Colo. Power shovel and loader. 2,527,928, Oct. 31.

Heath, Robert E.: *See*—
Evans, Leon M., and Heath.

Heath, William C., Shorewood, assignor to A. O. Smith Corporation, Milwaukee, Wis. Hollow steel propeller blade construction. 2,493,139, Jan. 3.

Heath, William C., Shorewood, assignor to A. O. Smith Corporation, Milwaukee, Wis. Shaft extension for electric motors. 2,493,140, Jan. 3.

Heath, William C., assignor to A. O. Smith Corporation, Milwaukee, Wis. Pressure container for water softeners and the like. 2,532,227, Nov. 28.

Heaton, Earl H.: *See*—
Knudsen, Percy E., and Heaton.

Heaton, Roy G., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Electron tube circuit. 2,535,285, Dec. 26.

Heaton, Tessie J., Newton, Mass. Hair curler. 2,527,218, Oct. 24.

Heaton-Armstrong, Louis J.: *See*—
Strong, Charles E., and Heaton-Armstrong.

Heatron, Incorporated, assignee: *See*—
Fearn, Richard L.

Hebard, Glen G., Bartlesville, Okla., assignor to Phillips Petroleum Company. Swab for tapered casing or tubing. 2,527,929, Oct. 31.

Hebard, Hugh C., assignor to Aladdin Industries Limited, Greenford, England. Heating device. 2,503,201, Apr. 4.

Hebard, Hugh C., assignor to Aladdin Industries Limited, Greenford, England. Radiator for space heating. 2,530,058, Nov. 14.

Hebbeln, Louis: *See*—
Fink, Jean, and Hebbeln.

Hebberd, Loren L.: *See*—
McGowan, Donald J., Haller, and Hebberd.

Hebenstreit, Karl E., Los Angeles, Calif. Rug pole. 2,513,724, July 4.

Heberlein, Georg, Jr., legal heir and administrator: *See*—
Heberlein, Georges, and Weiss.

Heberlein, Georges, deceased, Wattwil, Switzerland, by G. Heberlein, Jr., legal heir and administrator, W. Wanne, and E. Weiss, Wattwil, Switzerland, assignors to Heberlein Patent Corporation, New York, N. Y. Producing transparentized and crinkled cellulosic fabrics. 2,531,813, Nov. 28.

Heberlein, Georges, deceased, Wattwil, Switzerland, by G. Heberlein, Jr., legal heir and administrator, W. Wanne and E. Weiss, Wattwil, Switzerland, assignors to Heberlein Patent Corporation, New York, N. Y. Patterned fabrics and producing same. 2,531,814, Nov. 28.

Heberlein, Max F. W., Rahway, N. J., assignor to The American Metal Company, Limited, New York, N. Y. Making iron powder. 2,516,515, July 25.

Heberlein, Max F. W., Rahway, N. J., assignor to The American Metal Company, Limited, New York, N. Y. Gun for making powdered metal and like material. 2,527,009, Oct. 24.

Heberlein, Max F. W., Rahway, and N. R. Bierly, Avenel, N. J., assignors to The American Metal Company, Limited, New York, N. Y. Electrolyzing indium oxide in fused caustic electrolyte. 2,521,217, Sept. 5.

Heberlein, Max F. W., Rahway, N. J., and H. Udin, Newtonville, Mass., assignors to The American Metal Company, Limited, New York, N. Y. Purifying indium-containing material. 2,526,354, Oct. 17.

Heberlein Patent Corporation, assignee: *See*—
Heberlein, Georges, and Weiss.
Weiss, Ernst.

Hebert, Arthur G., Manchester, N. H. Heating device. 2,507,011, May 9.

Hebert, John W., assignor to Valley Welding & Boiler Co., Bay City, Mich. Electric burner. 2,502,787, Apr. 4.

Hecht, Fred, Clarkston, Wash. Food serving apparatus. 2,516,985, Aug. 1.

Hecht, George, Astoria, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Coordinate selecting and lockout circuit. 2,532,718, Dec. 5.

Hecimovich, Michael J., Park Falls, Wis. Window. 2,506,422, May 2.

Heck, Harry J.: *See*—
Brunken, Renke, Heck, and Howard.

Heck, John T., Elmhurst, L. J. Du Mais, and C. O. Talbot, assignors to Da-Lite Screen Company, Inc., Chicago, Ill. Portable screen stand. 2,530,877, Nov. 21.

Heck, John T., Elmhurst, L. J. Du Mais, and C. O. Talbot, assignors to Da-Lite Screen Company, Inc., Chicago, Ill. Operating handle and screen casing support for portable picture screens. 2,530,878, Nov. 21.

Heck, John T., Elmhurst, L. J. Du Mais, and C. O. Talbot, assignors to Da-Lite Screen Company, Inc., Chicago, Ill. Portable projection picture screen support. 2,534,552, Dec. 19.

Heckathorn, Harry M., Warren, assignor to Mullins Manufacturing Corporation, Salem, Ohio. Separable bathtub apron. 2,528,432, Oct. 31.

Heckel, Herman C. N., Oxford, assignor to The Champion Paper & Fibre Company, Hamilton, Ohio. Paper coating composition and coated paper. 2,498,207, Feb. 21.

Heckendorn, Alphonse: *See*—
Felix, Friedrich, Heckendorn, Reich and Oesterlein.
Widmer, Willy, Heckendorn, and Mannhart.

Hecker, Leonard R.: *See*—
Stevens, Henry W., and Hecker.

Hecker, Marvin S., Albany, N. Y. Oxygen check valve. 2,525,799, Oct. 17.

Heckle, Dolph F.: *See*—
Peterson, Robert A., Heckle, and Clarke.

Heckles, John S., Lancaster Township, Lancaster County, assignor to Armstrong Cork Company, Lancaster, Pa. Linoleum compositions. 2,502,457, Apr. 4.

Hedberg, Albert F., assignor to Crane Co., Chicago, Ill. Eccentric collet chuck. 2,504,928, Apr. 18.

Hedberg, Aldrich R., Cleveland, Ohio, assignor of one-half to M. E. Lorentz. Work supporting device. 2,534,672, Dec. 19.

Hedberg, Carl W. J., Bound Brook, N. J., assignor to Research Corporation, New York, N. Y. Electrical precipitator. 2,501,513, Mar. 21.

Hedberg, David G., Jr., Providence, R. I., assignor to Eastman Kodak Company, Rochester, N. Y. Manufacture of organic acids. 2,510,105, June 6.

Hedberg, Kenneth W.: *See*—
Luten, Daniel B., Jr., Hedberg, and De Benedictis.

Hedburg, Harry W., Stockton, Calif. Tipover device. 2,499,499, Mar. 7.

Hedden, John F., New York, N. Y. Hydraulic jet propulsion for ships. 2,534,817, Dec. 19.

Hedding, Linnie K., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Regulating transformer system. 2,497,499, Feb. 14.

Hedding, Linnie K., Wilkinsburg, and C. H. Zierdt, Rosedale, assignors to The Union Switch and Signal Company, Swissvale, Pa. Electrical rectifier construction. 2,509,342, May 30.

Heddon's, James, Sons, assignee: *See*—
Willman, Walter.
Hedeman, William N.: *See*—
Bosonetto, Henry A., and Hedeman.
Hedenburg, Oscar F., Pittsburgh, Pa., assignor, by mesne assignments, to Rex Research Corporation, Toledo, Ohio. Isosafrol-formaldehyde-alkyl hydroxy ether reaction product as pyrethrin synergist. 2,520,930, Sept. 5.
Hedenburg, Oscar F., Pittsburgh, Pa., assignor, by mesne assignments, to Rex Research Corporation, Toledo, Ohio. Insecticidal and synergistic products. 2,521,366, Sept. 5.
Hedenburg, Oscar F., Pittsburgh, Pa., assignor to H. W. Moburg, Toledo, Ohio, trustee. Alkyl substituted piperonyl cyclohexenones. 2,524,107, Oct. 3.
Hedenburg, Oscar F., Pittsburgh, Pa., assignor to H. W. Moburg, Toledo, Ohio, trustee. Insecticidal composition comprising pyrethrins and an synergist therefor. 2,524,108, Oct. 3.
Hedenskoog, Ernest, Muskegon, Mich., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Ball retarder for bowling alleys. 2,505,963, May 2.
Hedenskoog, Ernest, Muskegon, Mich., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Bowling ball retarding device for bowling alley runways. 2,530,429, Nov. 21.
Hedenskoog, Ernest, Muskegon, Mich., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Bowling pin handling apparatus. 2,531,429, Nov. 28.
Hedfield, Reynold T.: *See*—
Northrup, Keith L., and Hedfield.
Hedfield, Reynold T., Madison, and E. A. Hill, Oregon, Wis. Shelf bracket. 2,527,253, Oct. 24.
Hedges, E. Warren, administrator: *See*—
Hedges, Ellsworth C.
Hedges, Ellsworth C., deceased, late of West Hartford, Conn.; by E. W. Hedges, administrator, Manchester, Conn., assignor to Colt's Manufacturing Company. Bolt mechanism for machine guns. 2,529,391, Nov. 7.
Hedgpeth, Edward B., Salt Lake City, Utah. Dolly coupler for automotive vehicles. 2,493,405, Jan. 3.
Hedgpeth, Edward B., Salt Lake City, Utah. Dolly coupler for automotive vehicles. 2,523,210, Sept. 19.
Hedgpeth, Edward B., Salt Lake City, Utah. Dolly coupler for automotive vehicles. 2,523,211, Sept. 19.
Hedinger, John H. B., Jr., Cranford, N. J. Label printing and dispensing machine. 2,522,224, Sept. 12.
Hedler, Edwin C., Chicago, Ill. Mechanical pencil with step-by-step push feed. 2,510,312, June 6.
Hedlöf, Karl A.: *See*—
Hedlöf, Lars M. and K. A.
Hedlöf, Lars M. and K. A., Stockholm, Sweden. Bending means for round bar irons. 2,524,565, Oct. 3.
Hedlund, Carl L., Pasadena, Calif. Door hanger and trolley. 2,503,388, Apr. 11.
Hedlund, Oscar, Battle Creek, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio. Construction of composite metal articles. 2,505,986, May 2.
Hedquist, Milton T., Rock Island, Ill., assignor to J. I. Case Company, Racine, Wis. Pump throwout device. 2,528,653, Nov. 7.
Hedström, Karl E. E., Stockholm, Sweden. Magazine for gramophone records. 2,513,866, July 4.
Hedström, Sven E., Ludvika, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Electromagnetic amplifier. 2,509,864, May 30.
Hedström, Sven E., and R. Svensson, Ludvika, assignors to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Frequency compensated saturable reactor system. 2,509,865, May 30.
Hedstrom-Union Company, assignee: *See*—
Boudreau, Alban M.
Conti, John A.
Hedwall, Fredrick A., Sacramento, and E. Meyer, San Francisco, Calif. Automatic pet feeder. 2,534,444, Dec. 19.
Heeger, Benjamin D.: *See*—
Andrews, Daly P., and Heeger.
Heer, Jules: *See*—
Miescher, Karl, and Heer.
Miescher, Karl, Heer, Billeter, and Anner.
Heer, Ralph W., assignor to Pioneer Engineering Works, Inc., Minneapolis, Minn. Conveyer support and transport truck. 2,501,332, Mar. 21.
Heerdink, Robert C., Los Angeles, Calif. Relative bearing and target-angle trainer. 2,514,392, July 11.
Heeren, Martin H., assignor to National Cylinder Gas Company, Chicago, Ill. Dispensing container for acetylene. 2,528,692, Nov. 7.
Heerich, Edgar W., Westfield, N. J. Calculating device. 2,532,619, Dec. 5.
Hefferan, Robert F.: *See*—
Anderson, Lloyd L., Hefferan, and Ellison.
Heffernan, Edward M., Monson, assignor to Jarvis & Jarvis, Inc., Palmer, Mass. Thread guard for caster wheels. 2,523,659, Sept. 26.
Heffernan, Robert C., Garden City, N. Y., and F. N. Dickerman, Nichols, assignors to United Aircraft Corporation, East Hartford, Conn. Pilot seat. 2,519,963, Aug. 22.
Heffernan, Robert C., St. Albans, N. Y., assignor to United Aircraft Corporation, East Hartford, Conn. Retractable air brake. 2,513,867, July 4.
Hefler, John R., Providence, R. I. Mechanism for converting rotary motion to linear reciprocating motion. 2,503,907, Apr. 11.
Hefti, Hans R., and W. Kolb, Zurich, Switzerland. Electrolytic reduction of sugars. 2,507,973, May 16.
Heftler, Paul, Chicago, Ill. Carpet sweeper. 2,497,885, Feb. 21.
Heftler, Paul, Chicago, Ill. Carpet sweeper. 2,497,886, Feb. 21.
Heftler, Paul, Chicago, Ill. Carpet sweeper brush and wheel pressure adjusting mechanism. 2,531,430, Nov. 28.
Heftler, Paul, Grosse Pointe Park, Mich. Brake and spring suspension linkage. 2,495,719, Jan. 31.
Hegan, Horace J., Coventry, assignor to Courtalds Limited, London, England. Recovery of sodium sulfate. 2,521,367, Sept. 5.
Hegbar, Howard R., Princeton, N. J., assignor to Radio Corporation of America. Electron discharge device. 2,512,858, June 27.
Hegedus, Otto J.: *See*—
Niederer, Edward, Jr., and Hegedus.
Hegenbarth, Francis, assignor to Vulcan Iron Works, Wilkes-Barre, Pa. Cane mill. 2,513,481, July 4.
Heggen, Bernt J.: *See*—
Sebastian, David, Hampton, and Heggen.
Heggie, James, Clydebank, Scotland, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Reversible feed mechanism for sewing machines. 2,515,513, July 18.
Heggland, Frithjof, Oslo, assignor to Kristiansands Fiskegarnsfabrik A./S., Kristiansand S., Norway. Machine for manufacturing of fish nets and the like. 2,518,140, Aug. 8.
Hegvold Woodcraft Co. Inc., assignee: *See*—
Peterson, Theodore P.
Hegy, Louis, Glendale, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind. Alarm initiator for pumping systems. 2,494,124, Jan. 10.
Hehenkamp, Theodorus, and K. de Jong, Eindhoven, Netherlands, assignors to General Electric Company. Magnetic starting system for electric discharge devices. 2,523,020, Sept. 19.
Heide, Samuel S., Birmingham, Ala., assignor to Tennessee Coal, Iron and Railroad Company. Disposal of waste pickle liquor. 2,532,548, Dec. 5.
Heide, Stanford M., Kenosha, Wis., assignor to Chicago Coin Machine Co., Chicago, Ill. Recoil simulator for shooting gallery apparatus. 2,520,281, Aug. 29.
Heidelauf, Ulrich K.: *See*—
Aschenbrenner, Claus, Heidelauf, Mestwerdt, and Wernicke.
Heider, Albert J.: *See*—
Van Voorhis, William G., and Heider.
Heider, Anthony J., Oceanside, N. Y. Hunter's kit. 2,505,492, Apr. 25.
Heidger, Leonard, Hales Corners, assignor to R. O., O. A., and D. A. Coburn, doing business as Coburn Manufacturing Company, Whitewater, Wis. Material spreader. 2,535,414, Dec. 26.
Heidman, William A., and W. A. Heidman, Jr., Grand Rapids, Mich. Automatic load releasing clutch for parachutes and the like. 2,521,516, Sept. 5.
Heidman, William A., Jr.: *See*—
Heidman, William A., and William A., Jr.
Heidman, William A., Jr., Grand Rapids, Mich. Combined ignition and starter switch and lock. 2,519,758, Aug. 22.
Heidman, William A., Jr., Grand Rapids, Mich. Combined ignition and starter switch. 2,520,363, Aug. 29.
Heidmann, Leon, Jeumont, assignor to Societe Anonyme dite: Forges et Ateliers de Constructions Electriques de Jeumont, Paris, France. Equipment for starting electric motors. 2,511,259, June 13.
Heidmann, Leon, Jeumont, assignor to Societe Anonyme dite: Forges et Ateliers de Constructions Electriques de Jeumont, Paris, France. Signaling and elimination of defective circuits. 2,519,467, Aug. 22.
Heidmann, Léon, Jeumont, assignor to Forges et Ateliers de Constructions Electriques de Jeumont, Paris, France. Electric traction equipment. 2,525,296, Oct. 10.
Heidmann, Léon, Jeumont, assignor to Forges et Ateliers de Constructions Electriques de Jeumont, Paris, France. Alternating current commutator machines. 2,525,297, Oct. 10.
Heidmann, Leon, Jeumont, assignor to Societe Anonyme dite: Forges et Ateliers de Constructions Electriques de Jeumont, Paris, Franch. Coupling and braking apparatus for traction motors. 2,524,348, Oct. 3.
Heigis, Henry E., Nutley, assignor to Specialties Development Corporation, Belleville, N. J. Inflation device. 2,495,254, Jan. 24.
Heigis, Henry E., Nutley, assignor to Specialties Development Corporation, Bloomfield, N. J. Siren. 2,528,515, Nov. 7.
Heigis, Henry E., Nutley, N. J., and C. W. Frese, New York, N. Y., assignors to Specialties Development Corporation, Belleville, N. J. Fire extinguishing system. 2,534,262, Dec. 19.
Heigl, John J., Cranford, J. F. Black, Roselle, and B. F. Dudenbostel, Jr., Linden, N. J., assignors to Standard Oil Development Company. Determination of olefins in hydrocarbon mixtures. 2,527,122, Oct. 24.

Heijligers, Joris D., administrator: *See*—
Clay, Pieter H.

Heijmer, Gustaf B., B. E. Sanda, and K. G. Trobeck, Stockholm, Sweden. Double walled panel construction. 2,524,663, Oct. 3.

Heil Co., The, assignee: *See*—
Meyer, Arnold F.

Heil, Oskar, Konstanz, Germany. Electron gun. 2,518,472, Aug. 15.

Heil, Theodore, Lodi, Calif. Trailer tent. 2,513,411, July 4.

Heiland, Carl A., assignor to Heiland Research Corporation, Denver, Colo. Galvanometer. 2,535,065, Dec. 26.

Heiland Research Corporation, assignee: *See*—
Heiland, Carl A.
Hulstein, Neal S.

Heiland, William J., Rutherford, N. J. Tobacco smoke conditioning device. 2,503,110, Apr. 4.

Heilbron, Ian M., and E. R. Jones, London, England. Preparation of alkynyl-alkenylcarbinols. 2,525,672, Oct. 10.

Heilbron, Ian M., and E. R. H. Jones, London, assignors to Glaxo Laboratories Limited, Greenford, Middlesex, England. Derivatives of cyclohexene and preparing same. 2,531,567, Nov. 28.

Heilig, Charles E., Jr., Llanerch Hills, assignor to Philco Corporation, Philadelphia, Pa. Cabinet construction. 2,526,747, Oct. 24.

Heilig, William R., Chicago, Ill. Tweezers. 2,533,801, Dec. 12.

Heiligmann, Randall G.: *See*—
Turner, William R., and Heiligmann.

Heiligmann, Randall G., Yeadon, assignor to The Atlantic Refining Company, Philadelphia, Pa. Polymerization of alpha alkyl styrenes. 2,507,338, May 9.

Heilmann, Thorbjorn, Copenhagen, Denmark, assignor to Separation Process Company, Catasauqua, Pa. Froth flotation beneficiating material containing dolomite or magnesite. 2,507,012, May 9.

Heilman, Thorbjorn, Copenhagen, Denmark, assignor to Separation Process Company, Catasauqua, Pa. Froth flotation of calcite containing dolomite or magnesite. 2,507,013, May 9.

Heilmann, Thorbjorn, Copenhagen, Denmark, assignor to Separation Process Company, Catasauqua, Pa. Combustion process. 2,507,014, May 9.

Heilmann, William A., Orange, assignor to Newark Rivet Works, Newark, N. J. Hinge structure. 2,493,580, Jan. 3.

Heim, Gustav A. M., deceased, by C. H. H. Heim-Hoedemakers, executrix, Velp, Netherlands, assignor to American Enka Corporation, Enka, N. C. Apparatus for the recovery of gases. 2,511,633, June 13.

Heim, Oscar K.: *See*—
Mantell, Charles L., and Heim.

Heiman, Melvin: *See*—
Risberg, David, and Heiman.

Heiman, Sidney J., St. Louis, Mo. Heater fan mounting. 2,496,720, Feb. 7.

Heimark, Clarence J., Clarkfield, Minn. Ensilage cutter. 2,530,466, Nov. 21.

Heimbach, Albert H., Allentown, Pa. Incinerator provided with drying chamber. 2,508,458, May 23.

Heimbach, Newton, Palisades Park, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. 5-hydroxy-1,3,4-triazaindolizines and preparing the same. 2,526,477, Oct. 17.

Heimbuch, Elmer F.: *See*—
Brummer, Olin, and Heimbuch.

Heimer, Henry H.: *See*—
Werner, William V., and Heimer.

Heim-Hoedemakers, Clementine H. H., executrix: *See*—
Heim, Gustav A. M.

Hein, Carl C., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Rectifier. 2,496,721, Feb. 7.

Hein, Carl C., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Liquid-cooled rectifier assembly. 2,501,331, Mar. 21.

Hein, Carl C., and J. W. Stevenhagen, Forest Hills, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Rectifier element. 2,508,161, May 16.

Hein, Edna, assignee: *See*—
Williams, Forrest J.

Hein, George N., deceased, San Carlos, Calif.; H. T. Hein and G. N. Hein, Jr., executors. Introversion syringe. 2,514,575, July 11.

Hein, George N., deceased, and G. N. Hein, Jr., San Carlos, Calif.; H. T. Hein and G. N. Hein, Jr., executors. Resilient bulb syringe. 2,514,576, July 11.

Hein, George N., Jr., executor: *See*—
Hein, George N.
Hein, George N. and George N., Jr.

Hein, Howard T., executor: *See*—
Hein, George N.

Hein, Louis T., Racine, Wis. Lock nut. 2,507,569, May 16.

Hein, Louis T., and E. G. von Gonten, assignors of one-third to M. B. Hein, Racine, Wis. Vegetable slicer. 2,502,379, Mar. 28.

Hein, Martha B., assignee: *See*—
Hein, Louis T., and von Goten.

Heindel, Herbert H.: *See*—
Holmes, Burton F., and Heindel.

Heine, Ferdinand H., assignor to Koehring Company, Milwaukee, Wis. Mixer. 2,507,522, May 16.

Heine, Hermann, assignor to Ernst Leitz G m b H, Wetzlar, Germany. Holder for microobjectives. 2,533,371, Dec. 12.

Heineman, Arnold H., Chicago, Ill., assignor, by mesne assignments, to Guardite Corporation, Wilmington, Del. Moistening of tobacco. 2,516,118, July 25.

Heineman, Arnold H., Chicago, Ill., assignor, by mesne assignments, to Guardite Corporation, Wilmington, Del. High-speed packing. 2,525,800, Oct. 17.

Heineman, Harry J., Jr.: *See*—
Morrell, Charles E., Scheeline, Carlson, and Heineman, Jr.

Heinemann, Heinz, Upper Darby, assignor to Porocel Corporation, Philadelphia, Pa. Preparation of secondary and tertiary aromatic amines. 2,515,872, July 18.

Heinemann, Robert O., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Current collector. 2,524,289, Oct. 3.

Heinemann, Robert O., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Current collector of the pantograph type. 2,530,963, Nov. 21.

Heinemann, Robert O., B. F. Langer, and H. C. Werner, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Current collector. 2,512,329, June 20.

Heinen, Wesley C., Buffalo, N. Y. Adjustable clamp to make strike plates adjustable. 2,523,952, Sept. 26.

Heinmets, Ferdinand, Allenwood, Pa. Tube making machine. 2,521,007, Sept. 5.

Heino, Arne W., Cloquet, assignor to Wood Conversion Company, St. Paul, Minn. Manufacture of bonded fiber mats. 2,493,194, Jan. 3.

Heinrich, August H., Euclid, assignor to Auto-Diesel Piston Ring Company, Cleveland, Ohio. Piston ring. 2,496,048, Jan. 31.

Heinrich, August H., Euclid, assignor to Auto-Diesel Piston Ring Company, Cleveland, Ohio. Bearing. 2,511,260, June 13.

Heinrich, August H., Euclid, assignor to Auto-Diesel Piston Ring Company, Cleveland, Ohio. Swivel coupling for conduits. 2,511,261, June 13.

Heinrich, H. H., Inc., assignee: *See*—
Heinrich, Harald H.

Heinrich, Harald H., assignor to H. H. Heinrich, Inc., New York, N. Y. Web printing. 2,504,021, Apr. 11.

Heinrich, Helmut G., Dayton, Ohio. Automatic opening control for parachutes. 2,520,931, Sept. 5.

Heinrich, Nicholas C., Wyandotte, Mich. Pail hanger. 2,508,258, May 16.

Heinrich, Raymond L., Baytown, and H. G. Schutze, Goose Creek, Tex., assignors, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Treatment of contaminated naphtha. 2,507,103, May 9.

Heinrich, Robert G.: *See*—
Hambleton, Gerald M., Sr., and Heinrich.

Heinrich, Walter A., Richmond Heights, Mo. Wristband. 2,505,044, Apr. 25.

Heinrich, Walter A., Richmond Heights, assignor to James R. Kearney Corporation, St. Louis, Mo. Package for electrical devices. 2,525,673, Oct. 10.

Heinrich, William J., Englewood, assignor to A. A. Kramer, deceased, Kansas City, Mo.; J. M. Kramer and H. K. Biersmith, executors. Leakproof joint. 2,527,219, Oct. 24.

Heinse, Leroy C., Baltimore, Md., assignor, by mesne assignments, to Armco Steel Corporation. Stainless steel finish. 2,516,986, Aug. 1.

Heintz, James C., Lakewood, Ohio. Tire retreading mold having an inside curing rim. 2,513,482, July 4.

Heintz Manufacturing Company, assignee: *See*—
Lambert, Francis M.

Heintz, Ralph M., assignor to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Motor housing and shock absorbing mounting means therefor. 2,508,641, May 23.

Heintz, Ralph M., assignor, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Starter jaw meshing mechanism. 2,509,767, May 30.

Heintz, Ralph M., assignor to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Starter jaw meshing mechanism. 2,513,937, July 4.

Heintze, Carl P., Amityville, N. Y., assignor to United Aircraft Corporation, East Hartford, Conn. Constant speed drive for helicopter rotors. 2,496,624, Feb. 7.

Heinz Manufacturing Company, Inc., assignee: *See*—
Gipson, Charles O.

Heinz, Walter E.: *See*—
Schiermeier, Knapel F., and Heinz.

Heinze, Bennie, and J. A. King, Pawhuska, assignors to Cities Service Oil Company, Bartlesville, Okla. Separation of alcohols and acids from Fischer-Tropsch synthesis product. 2,523,248, Sept. 19.

Heinzelman, Charles J., Antioch, assignor to Hubbell Corporation, Chicago, Ill. Back pressure regulator valve. 2,523,826, Sept. 26.

Heinzelmann, Richard V., assignor to The Upjohn Company, Kalamazoo, Mich. Beta-(ortho-methoxy)phenyl-isopropyl 2-thenyl alkyl amines and salts thereof. 2,525,674, Oct. 10.

Heise, Walter E., Syracuse, N. Y. Article transfer mechanism. 2,509,565, May 30.
Heisig, Garth J., assignor to Motorola, Inc., Chicago, Ill. Combined focus and centering control for cathode-ray tubes. 2,521,061, Sept. 5.
Heising, Raymond A., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Oscillation damping device. 2,504,329, Apr. 18.
Heiss, Harvey, Chicago, Ill. Electrical terminal device. 2,510,339, June 6.
Heisterkamp, Charles A., Wynnewood, assignor to Wyeth Incorporated, Philadelphia, Pa. Inhalator. 2,503,732, Apr. 11.
Heitzmann, Andrew J.: *See*—
Blair, Mark L., and Heitzmann.
Heizer, Edward J., West Caldwell, and M. R. Stuart, assignors to Specialties Development Corporation, Belleville, N. J. Control device for winding machines. 2,532,304, Dec. 5.
Hejduk, Arthur A., Cleveland, Ohio, and P. B. Shannon, Chicago, Ill., assignors to The Meriam Instrument Company, Cleveland, Ohio. Metering valve. 2,516,825, July 25
Helberg, Vernon C., Evergreen Park, assignor to Royal Tool & Manufacturing Company, Chicago, Ill. Filing clip. 2,500,032, Mar. 7.
Helbig, Harley E., Davenport, Iowa. Circle cutting attachment for band-saw machines. 2,506,959, May 9.
Helby, Joseph J., assignee: *See*—
Bogenberger, Esther E.
Held, Joseph E., assignor to American Cystoscope Makers, Inc., New York, N. Y. Endoscope and obturator therefor. 2,516,628, July 25.
Heldenbrand, Warren J., Muncie, Ind. Finishing machine. 2,513,799, July 4.
Helfenstein, Leonard, assignee: *See*—
Rodin, Robert.
Heli-Coil Corporation, assignee: *See*—
Eckener, Erwin H.
Forster, John O.
Hellan, Haakon, Cleveland Heights, Ohio. Valve construction for regenerative furnaces. 2,518,314, Aug. 8.
Helland, John G., and R. E. L. Moen, Skien, Norway. Preparation of a heat insulating material from peat. 2,529,335, Nov. 7.
Hellbach, Rudolph, Philadelphia, Pa., assignor to the United States of America as represented by the Secretary of Agriculture. Self-advancing winding reel. 2,512,645, June 27.
Hellberg, Carl W., Chicago, Ill. Combined coffee brewer cover and stand. 2,496,792, Feb. 7.
Hellefors Bruks Aktiebolag, assignee: *See*—
Kirsebom, Gustaf N.
Hellen, James S., Locus Valley, assignor to Specialties, Inc., Syosset, N. Y. Quick detachable latching electrical connector. 2,523,905, Sept. 26.
Heller, Bedřich, Prague, Czechoslovakia. Deceleration controlled brake system for vehicles. 2,512,427, June 20.
Heller, Charles J., assignor, by mesne assignments, to M. S. Zuunstein, Fort Thomas, Ky. Light reflecting material. 2,524,794, Oct. 10.
Heller, Elias, Brooklyn, N. Y. Wire form brassière. 2,526,230, Oct. 17.
Heller, George E.: *See*—
Olson, Raymond E., and Heller.
Heller, George L., Monroe, La., assignor to Columbian Carbon Company. Manufacture of carbon black. 2,529,873, Nov. 14.
Heller, George M., deceased: *See*—
Jensen, James A.
Heller, George M., and P. B. Reeves, assignors to Reeves Pulley Company, Columbus, Ind. Constant tension speed-varying control for spinning frames or the like. 2,507,904, May 16.
Heller, Herbert E., West Allis, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Solderless type terminal. 2,516,572, July 25.
Heller, Herbert E., West Allis, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electric switch. 2,532,305, Dec. 5.
Heller, Herbert E., West Allis, and C. W. Kuhn, Wauwatosa, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Electric switch. 2,521,517, Sept. 5.
Heller, Herman S., Los Angeles, Calif. Magnetic recorder pole piece and assembly. 2,514,577, July 11.
Heller, Herman S., West Los Angeles, and W. E. Stofer, North Hollywood, Calif., said Stofer assignor to said Heller. Sound recording and reproduction system. 2,514,578, July 11.
Heller, John K., assignor to Gasair Corporation, San Francisco, Calif. Fluid control system. 2,497,549, Feb. 14.
Heller, John K., assignor to Gasair Corporation, San Francisco, Calif. Multiple safety valve manifold. 2,507,104, May 9.
Heller, Joseph I., Brooklyn, assignor to Panoramic Radio Corporation, New York, N. Y. Direction indicating and finding system. 2,498,919, Feb. 28.
Heller, Joseph I., Brooklyn, assignor to Panoramic Radio Corporation, New York, N. Y. Panoramic receiver with means for modifying signal pulses applied to indicators. 2,498,954, Feb. 28.
Heller, Joseph I., Brooklyn, assignor to Panoramic Radio Corporation, New York, N. Y. Panoramic receiver with discriminator-type sweep circuits. 2,499,995, Mar. 7.
Heller, Joseph I., Brooklyn, assignor to Panoramic Radio Corporation, New York, N. Y. Signal comparing system. 2,525,675, Oct. 10.
Heller, Max A., and A. J. Conti, Denver, Colo. Conversion gas burners having forced primary air. 2,498,162, Feb. 21.
Heller, Maximilian, London, England. Adjustable stilt step. 2,503,733, Apr. 11.
Heller, Michael, Port Chester, N. Y. Clutch mechanism for spring wound motors. 2,535,415, Dec. 26.
Heller, Ralph A., Everett, Wash. Pot type oil burner and air distributing means therefor. 2,499,864, Mar. 7.
Heller, Richard D., Tujunga, Calif. Garbage grinder, including canted rotary cutting elements and canted fixed cutting masks. 2,501,275, Mar. 21.
Heller, Richard D., Tujunga, Calif. Wire straightener. 2,517,309, Aug. 1.
Heller, Richard I., Los Angeles, Calif. Check protector. 2,529,021, Nov. 7.
Heller, Richard I., Los Angeles, Calif. Check protector. 2,529,022, Nov. 7.
Heller, Richard V., Troy, N. Y., assignor to Curtiss-Wright Corporation. Control loading system for flight training apparatus. 2,510,174, June 6.
Hellier, Edward G.: *See*—
Schwarz, Hugh W., Hellier, and Schroeder.
Helling, Johannes H., Rotterdam, Netherlands. Electric elevator. 2,522,614, Sept. 19.
Helling, Johannes H., Rotterdam, Netherlands. Shaft closing for lifts. 2,514,058, July 4.
Hellmers, Henry D.: *See*—
Wiseman, James, Blackmun, and Hellmers.
Wiseman, James V., Blackmun, and Hellmers.
Hellstrom, Sven B., Grosse Pointe Park, assignor to Detroit Tap & Tool Company, Detroit, Mich. Tap reconditioner. 2,527,882, Oct. 31.
Helm, Carl H., Charlottenlund, Denmark. Photographic camera objectives of the Schmidt type. 2,515,873, July 18.
Helm, Carl H., Copenhagen, Denmark. Reflector camera having film feeding means and spherical film support. 2,528,308, Oct. 31.
Helm, Homer E., assignee: *See*—
Hamilton, Howard.
Helme, Thomas, Albany, N. Y. Bottle turning conveyer for inspection purposes. 2,508,259, May 16.
Helme, Thomas, Albany, N. Y. Rattrap. 2,531,568, Nov. 28.
Helmers, Carl J., Bartlesville, Okla., assignor to Phillips Petroleum Company. Catalytic hydrocarbon treating. 2,528,363, Oct. 31.
Helmers, Carl J., and P. H. Johnson, Bartlesville, Okla., assignors to Phillips Petroleum Company. Manufacture of hydrogen. 2,513,022, June 27.
Helmert, Frits R. H., Odense, Denmark. Ski carrier and waist belt. 2,530,695, Nov. 21.
Helmrich, William F., Royal Oak, assignor to Ex-Cell-O Corporation, Detroit, Mich. Vane type pump. 2,520,087, Aug. 22.
Helms, Ellis H., Rome, Ga. Parachute fire escape. 2,519,964, Aug. 22.
Helms Industrial Development Company, assignee: *See*—
Benson, Merle K.
Tungett, George, Helms, and Morris.
Helms, Travis R.: *See*—
Tungett, George, Helms, and Morris.
Helms, Warren V., La Jara, Colo. Potato digging and separating machine. 2,529,023, Nov. 7.
Helmus, Weldon G., Ridgewood, N. J., assignor to Fair Lawn Finishing Company. Heat-treatment of webs of textile materials. 2,499,141, Feb. 28.
Helmus, Weldon G., Ridgewood, N. J., assignor to Fair Lawn Finishing Company. Heat setting of textile fabrics. 2,499,142, Feb. 28.
Helmus, Weldon G., Ridgewood, N. J., assignor to Fair Lawn Finishing Company. Web feeding of textile materials. 2,533,247, Dec. 12.
Helmus, Weldon G., Ridgewood, N. J., assignor to Fair Lawn Finishing Company. Web feeding of textile materials. 2,533,248, Dec. 12.
Helsten, Wesley A.: *See*—
Tack, Carl E., and Helsten.
Helsten, Wesley A., assignor to American Steel Foundries, Chicago, Ill. Brakehead arrangement. 2,507,015, May 9.
Helsten, Wesley A., assignor to American Steel Foundries, Chicago, Ill. Rotor type railway brake. 2,531,358, Nov. 21.
Helstrom, Julmer, Cook, Minn. Winch. 2,497,603, Feb. 14.
Heltzel, Herbert, assignee: *See*—
Brumbaugh, Harold C.
Heltzel, John N., Warren, Ohio. Sealed dowel bar and shielded bearing. 2,531,040, Nov. 21.
Helwig, Ralph W.: *See*—
Offutt, William C., Fogle, and Helwig.
Helwith, Alfred L., New Rochelle, N. Y. Fabric. 2,522,225, Sept. 12.
Hembree, Edwin F.: *See*—
Birkes, Wilbur W., and Hembree.

Hemenway, Henry H., St. Albans, assignor to Foster Wheeler Corporation, New York, N. Y. Vapor generator. 2,521,718, Sept. 12.

Hemingway, Joseph J., Paxton, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Picker stick check for looms. 2,496,722, Feb. 7.

Hemmer, Lucien: *See*—
De Casson, Roger B., and Hemmer.

Hemmerling, Norman A., Niagara Falls, N. Y. Magazine plug for repeating shotguns. 2,511,505, June 13.

Hemmeter, George T., Berkeley, Calif. Combination clothes washer and extractor. 2,498,420, Feb. 21.

Hemmeter, George T., Berkeley, Calif. Two-speed drive mechanism. 2,499,219, Feb. 28.

Hemmeter, George T., Berkeley, Calif., assignor to the United States of America as represented by the Secretary of Agriculture. Apparatus for blanching deep beds of vegetables. 2,522,513, Sept. 19.

Hemmi, Hans M.: *See*—
Flugel, Walter, Hemmi, Hofer, and Mikula.

Hemmila, Eino K., assignee: *See*—
Byrd, John D.

Hemming, Harold, Dedham, Mass., assignor, by mesne assignments, to Westinghouse Electric Corporation. Ventilating system for overhead crane cabs. 2,496,209, Jan. 31.

Hemminger, Charles E., Westfield, N. J., assignor to Standard Oil Development Company. Apparatus for contacting finely divided solid particles with gaseous materials. 2,494,337, Jan. 10.

Hemminger, Charles E., Westfield, N. J., assignor to Standard Oil Development Company. Conversion process. 2,497,940, Feb. 21.

Hemminger, Charles E., Westfield, N. J., assignor to Standard Oil Development Company. Low-temperature combustion and apparatus therefor. 2,509,866, May 30.

Hemminger, Charles E., Westfield, N. J., assignor to Standard Oil Development Company. Carbonization by direct heating in a rotary retort. 2,511,709, June 13.

Hemminger, Charles E., Westfield, N. J., assignor to Standard Oil Development Company. Processing of hydrocarbon synthesis products. 2,516,699, July 25.

Hemminger, Charles E., Westfield, N. J., assignor to Standard Oil Development Company. Synthesis of hydrocarbons. 2,518,315, Aug 8.

Hemminger, Charles E., Westfield, N. J., assignor to Standard Oil Development Company. Hydrocarbon synthesis and preparing the catalyst. 2,527,130, Oct. 24.

Hemovich, Joseph M., Sunnyvale, Calif. Dispenser for canned liquids. 2,519,759, Aug. 22.

Hemovich, Joseph M., Sunnyvale, Calif. Can feeding machine. 2,528,884, Nov. 7.

Hempel, Charles H., Manitowoc, Wis., assignor to Heresite & Chemical Company. Composite resinous coated metal and making same. 2,494,297, Jan. 10.

Hempel, Charles H., Manitowoc, Wis., assignor to Heresite & Chemical Company. Preparing ferrous metal objects for the application of synthetic resins. 2,535,794, Dec. 26.

Hempel, Herbert W., and W. C. Marsh, assignors to Marsh Stencil Machine Company, Belleville, Ill. Circular stencil feeding attachment. 2,506,423, May 2.

Hempel, Herbert W., and W. C. Marsh, assignors to Marsh Stencil Machine Company, Belleville, Ill. Powered stencil machine. 2,518,778, Aug. 15.

Hempfling, Curtis C., Butler, Pa. Safety latch. 2,513,483, July 4.

Hemphill Company, assignee: *See*—
St. Pierre, Engene.
St. Pierre, Eugene, and Wawzonek.
St. Pierre, Paul L.
Wawzonek, Joseph.

Hemphill, Lawrence F., Fort Wayne, Ind., assignor to General Electric Company. Machine cooling system. 2,510,632, June 6.

Hems, Benjamin A., Northolt, and J. Elks, London, assignors to Glaxo Laboratories Limited, Greenford, England. 4.4-diphenyl-6-morpholino-heptanone-3 and acid salts thereof. 2,513,173, June 27.

Hemsdale Industries, Inc., assignee: *See*—
Abresch, Carel F.

Hemstreet, Albert B., New Hyde Park, assignor to himself and E. O. Rudloff, Sr., Franklin Square, N. Y. Self-locking centrifugal mold. 2,506,216, May 2.

Henabery, Joseph E., Jackson Heights, N. Y. Method and apparatus for visually determining unknown vibration characteristics. 2,533,010, Dec. 5.

Henares, Frank, San Leandro, and C. Gallegos, Decoto, Calif. Leveling labels transversely for labeling. 2,529,730, Nov. 14.

Henchert, John, Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Tobacco can. 2,511,634. June 13.

Henchert, John, Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Collar can collar. 2,517,310, Aug. 1.

Henchert, John, Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Easy opening container. 2,533,934, Dec. 12.

Hencke, William S., and C. H. Sand, Willoughby, Ohio. Object framing attachment for cameras. 2,511,531, June 13.

Henckel, Aage F. C., Hellerup, Denmark. Cartridge feeder and cartridge feeder dog for automatic firearms. 2,499,583, Mar. 7.

Hendel, Kenneth A., assignor to Eastman Kodak Company, Rochester, N. Y. Bendable film spool signal. 2,503,734, Apr. 11.

Henderson, Albert, assignor, by mesne assignments, to The Cemenstone Corporation, Pittsburgh, Pa. Apparatus for making precast concrete units. 2,495,100, Jan. 17.

Henderson, Algo D., assignee: *See*—
Bean, Xarifa L.

Henderson, Ashland S.: *See*—
Crowley, Henry L., Mosthaf, and Henderson.

Henderson, Ashland S., E. E. Slowter, and B. W. Gonser, Columbus, assignors, by mesne assignments, to The Duriron Company, Inc., Dayton, Ohio. Siliconizing processes. 2,501,051, Mar. 21.

Henderson, Ashland S., West Orange, N. J., and E. A. Beidler, Columbus, Ohio, assignors, by mesne assignments, to Henry L. Crowley & Company, Inc. Preparing a hydrated ferrous chloride in dry flake form. 2,493,629, Jan. 3.

Henderson, Charles L., Appleton, Wis., assignor to Paper Patents Company. Cylinder etching and machine therefor. 2,523,018, Sept. 19.

Henderson, Charles L., Appleton, assignor to Paper Patents Company, Neenah, Wis. Cylinder etching machine. 2,523,019, Sept. 19.

Henderson, Clyde H., Kansas City, Mo. Electrically heated glue pot. 2,498,955, Feb. 28.

Henderson, Edgar M., Altoona, Pa. Muff pocket for hunting garments. 2,495,582, Jan. 24.

Henderson, Frank J., assignor to Jervis B. Webb Company, Detroit, Mich. Conveyer track switch. 2,526,819, Oct. 24.

Henderson, James P., Brooklyn, N. Y. Refrigerated ball dispenser. 2,525,261, Oct. 10.

Henderson, Jesse E., Fort Worth, Tex. Walking doll. 2,530,696, Nov. 21.

Henderson, John K., Villa Park, and O. W. Anderson, Elmhurst, Ill. Load handling mechanism for wheeled vehicles. 2,524,664, Oct. 3.

Henderson, Lee R., assignor of one-half to A. C. Seago, Kosmos, Wash. Tree planter. 2,529,336, Nov. 7.

Henderson, Leonard B., Olton, Birmingham, England. Rotatable tube-welding electrode. 2,512,460, June 20.

Henderson, Ray M., Denver, Colo. Ice-making machine. 2,496,210, Jan. 31.

Henderson, Robert, Summit, N. J. Card indexing device. 2,524,704, Oct. 3.

Henderson, Robert D., Cincinnati, Ohio. Circumferentially traveling support mounted, tire mounting apparatus. 2,534,515, Dec. 19.

Henderson, Roy A., West Collingswood, N. J., assignor to Radio Corporation of America. Electrical capacitor. 2,495,062, Jan. 17.

Henderson, Scott W., Kokomo, Ind. Lawn mower cutter. 2,509,343, May 30.

Henderson, Stanford A., assignor to Gomco Surgical Manufacturing Corp., Buffalo, N. Y. Surgical aspirator. 2,531,730, Nov. 28.

Henderson, Thomas J., Bayport, N. Y. Releasable shackle. 2,518,889, Aug. 15.

Henderson, William F., assignor to The Visking Corporation, Chicago, Ill. Modifying the surface characteristics of polyethylene structures and product resulting therefrom. 2,502,841, Apr. 4.

Hendey, George A.: *See*—
Blair, James D., and Hendey.

Hendley, Cornelia S., executrix: *See*—
Hendley, Flavius J.

Hendley, Flavius J., deceased, Chattanooga, Tenn., by C. S. Hendley, executrix, Columbia, Tenn. Electrical tap clamp. 2,530,299, Nov. 14.

Hendrich, Jacob, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Dual range radio altimeter having automatic range switching means. 2,512,330, June 20.

Hendrick, John V., assignor to Chrysler Corporation, Highland Park, Mich. Clamp for bonding brake linings to brake shoes. 2,513,800. July 4.

Hendricks, Charles E., Tulsa, Okla., assignor to Century Geophysical Corporation. Automatic volume control circuit. 2,528,885, Nov. 7.

Hendricks, Cornelius, assignor to Applied Arts Corporation, Grand Rapids, Mich. Ash tray. 2,505,324, Apr. 25.

Hendricks, James O.: *See*—
Dahlquist, Carl A., Hendricks, and Sohl.

Hendricks, John G.: *See*—
Carter, Lawrence W., Hendricks, and Bolley.

Hendricks, Walter H., Berkley, assignor to General Motors Corporation, Detroit, Mich. Leak testing unit. 2,493,967, Jan. 10.

Hendricksen, Allan A., and F. F. Hendricksen, Adams, Oreg. Saw blade tension mechanism for frame saws. 2,519,904, Aug. 22.

Hendricksen, Francis F.: *See*—
Hendricksen, Allan A., and F. F.

Henrickson, Clarence A.: *See*—
Kass, Lawrence W., and Henrickson.
Hendrickson, Fritz E., South Elgin, assignor of fifty per cent to M. Ireland, Elgin, Ill. Buffing wheel. 2,508,065, May 16.
Hendrickson, Harold G., Daly City, and V. J. Hagberg, assignors to M. Greenberg's Sons, San Francisco, Calif. Fixture for lathe turning of angularly disposed surfaces. 2,496,533, Feb. 7.
Hendrickson, Harold S., Hempstead, N. Y., assignor to The Sperry Corporation. Electronic control system. 2,523,299, Sept. 26.
Hendrickson, Henry R.: *See*—
Lawson, Robert K., McClintock, Hendrickson, and Woodman.
Hendrickson, Kenneth E., Sioux City, Iowa. Lint trap. 2,509,300, May 30.
Hendrickson, Lauri A., Waldoboro, Maine. Device for binding cables onto loads of material. 2,530,879, Nov. 21.
Hendrickson, Severin B., Templeton, and R. N. Owler, Fitchburg, assignors to Heywood-Wakefield Company, Gardner, Mass. Chair and leg rest combination. 2,514,447, July 11.
Hendricx, Serge P.: *See*—
Tritsmans, Remi G., and Hendricx.
Hendrix, Cecil A.: *See*—
Thomson, Sidney S., and Hendrix.
Hendrix, Edith W., Los Angeles, Calif. Mask for marking lips. 2,527,726, Oct. 31.
Hendrixson, Charles E., Jr., Charleston, W. Va., assignor to American Viscose Corporation, Wilmington, Del. Supply system for film and filament-forming machines. 2,507,594, May 16.
Hendry, Adolph R. and N. A., Phoenix, Ariz. Container screw cap and brush handle seal. 2,517,663, Aug. 8.
Hendry, Norman A.: *See*—
Hendry, Adolph R. and N. A.
Hengerer, David W., Norwalk, Conn., assignor to International Salt Company, New York, N. Y. Producing purified brine. 2,516,987, Aug. 1.
Hengerer, David W., Norwalk, Conn., assignor to International Salt Company, New York, N. Y. Producing purified brine. 2,516,988, Aug. 1.
Hengst, Elwood A., Los Angeles, Calif. Portable drilling jig. 2,519,468, Aug. 22.
Hengstebeck, Robert J., assignor to Standard Oil Company, Chicago, Ill. Catalytic conversion. 2,493,917, Jan. 10.
Hengstebeck, Robert J., assignor to Standard Oil Company, Chicago, Ill. Cracking with hydrogen fluoride catalyst. 2,518,546, Aug. 15.
Henke, Sally M., Brooklyn, N. Y. U-frame for ladies' handbags. 2,497,353, Feb. 14.
Henke, Wesley G., assignee: *See*—
Riggins, Glen L.
Henkel, Harvey L., assignor to Herring-Hall-Marvin Safe Company, Hamilton, Ohio. Apparatus for releasing locking mechanism of vault doors. 2,531,848, Nov. 28.
Henley, Charles F., London, England, assignor to American Safety Razor Corporation, Brooklyn, N. Y. Brush bristles having a reduced fracturable transverse axis. 2,504,330, Apr. 18.
Henley, Decator R., Cross Plains, Tex. Vehicle direction signal. 2,508,824, May 23.
Henley, Robert H., assignee: *See*—
Pennington, Neal A.
Henne, Julius A., Rochester, assignor to Webster Industries, Inc., Webster, N. Y. Photographic shutter having a pivoted blade and cover blind. 2,493,195, Jan. 3.
Henneman, Clarence O., Bartlesville, Okla., assignor to Phillips Petroleum Company. Safety shutoff and regulating flow control valve and vaporization system. 2,517,484, Aug. 1.
Hennessey, Francis W., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Applying binding elements to cords. 2,534,867, Dec. 19.
Hennessey, Russell J., assignor to Waldorf Paper Products Company, St. Paul, Minn. Display carton. 2,518,779, Aug. 15.
Hennessy, James J., Montclair, N. J. Journal lubricator. 2,499,096, Feb. 28.
Hennessy, James J., Montclair, N. J. Journal lubricator contact device. 2,522,716, Sept. 19.
Hennessy, James J., Montclair, N. J. Railway journal box dust guard. 2,532,449, Dec. 5.
Henney, Charles F., assignor to General Motors Corporation, Dayton, Ohio. Air conditioning apparatus having an evaporative type condenser. 2,493,141, Jan. 3.
Henney, Charles F., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,514,579, July 11.
Henney, Charles F., assignor to General Motors Corporation, Dayton, Ohio. Control for refrigerated trucks. 2,518,316, Aug. 8.
Henney, Charles F., assignor to General Motors Corporation, Dayton, Ohio. Refrigerated vehicle. 2,532,618, Dec. 5.
Henney, Grover R., assignor to Swift & Company, Chicago, Ill. Meat cutting gauge. 2,497,818, Feb. 14.
Hennig, Charles: *See*—
Martin, Warren S., and Hennig.
Hennig, Fritz O.: *See*—
Smith, Ronald B., and Hennig.
Hennig, Fritz O., Greensburg, assignor to Elliott Company, Jeannette, Pa. Bearing case. 2,509,039, May 23.
Henning, Eugene S., Arlington, Va. Cathode-ray phase measuring device. 2,515,221, July 18.
Henning, Fred W., assignor to The American Oak Leather Company, Cincinnati, Ohio. Scudding hides. 2,520,599, Aug. 29.
Henning, Frederick E., Fargo, N. Dak. Earth auger. 2,504,978, Apr. 25.
Henning, George E., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for advancing and working plastic materials. 2,496,625, Feb. 7.
Henning, George E., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for working and advancing plastic material. 2,535,286, Dec. 26.
Henning, Harold W., Jr., Naperville, Ill. Electric light unit for use in connection with swimming. 2,520,503, Aug. 29.
Henning, Larry M., Riverside, Calif. Poultry watering device. 2,494,809, Jan. 17.
Henning, Lawrence M., Los Angeles, Calif. Tape holding and cutting device. 2,517,485, Aug. 1.
Henning, Otto, Clayton, assignor to Carter Carburetor Corporation, St. Louis, Mo. Carburetor accelerating pump. 2,529,655, Nov. 14.
Henning, William W.: *See*—
Baker, David B., Bechman, and Henning.
Henning, William W., River Grove, Ill., assignor to International Harvester Company. Track tensioning apparatus for crawler tractor. 2,506,360, May 2.
Henning, William W., Riverside, Ill., assignor to International Harvester Company. Master joint structure for track chains. 2,517,429, Aug. 1.
Henninger, Andrew F., assignee: *See*—
Reitherman, Ralph W.
Henninger, Andrew F., Chicago, Ill. Electrical flash-lamp system. 2,516,209, July 25.
Hennings, Fred W., and L. L. Wilhelm, Davenport, Iowa. Dual wheel handling apparatus. 2,525,351, Oct. 10.
Henningsen, Leo A., Preston, Iowa. Cattle guard. 2,535,795, Dec. 26.
Henrich, William H., East Norwalk, Conn., assignor to Remington Rand Inc., New York, N. Y. Control means for electric typewriters. 2,512,860, June 27.
Henrichsen, Knut, Los Angeles, Calif., assignor to North American Aviation, Inc. Articulated vehicle. 2,505,183, Apr. 25.
Henricks, John A.: *See*—
Orozco, Gilbert H., and Henricks.
Henriksen, Ernst, Copenhagen, Denmark. Divided circular handle having interlocking means. 2,518,006, Aug. 8.
Henriksen, Ernst J. J., Copenhagen, Denmark. Rotary blotter. 2,502,724, Apr. 4.
Henriod, Paul, Vaud, Switzerland. Implement coupling. 2,534,971, Dec. 19.
Henriques, Frederick C., Jr., Winchester, Mass., assignor to the United States of America as represented by the United States Atomic Energy Commission. Apparatus for handling materials. 2,500,492, Mar. 14.
Henrite Products Corporation, assignee: *See*—
Loftis, Homer J.
McCloskey, William H.
Henroteau, François C. P., Fort Wayne, Ind., assignor by mesne assignments, to Farnsworth Research Corporation. Catoptric television projector having tube screen and object surface connected by light-conducting filaments. 2,510,106, June 6.
Henry, Augustus M., Brooklyn, N. Y. Cowl fastener. 2,519,571, Aug. 22.
Henry, Austin L., Spokane, Wash. Appliance for correcting examination papers. 2,528,828, Nov. 7.
Henry, Beulah L., New York, N. Y. Inflatable doll. 2,503,948, Apr. 11.
Henry, Douglas G., Washington, D. C. Costume jewel. 2,526,134, Oct. 17.
Henry, Earle G., Wilmette, Ill. Lettering pen. 2,529,156, Nov. 7.
Henry, Erwin W., Sheyenne, Wyo. Speed reducing power transmission. 2,520,282, Aug. 29.
Henry, Georges, Geneva, Switzerland. Crown for combined winding and setting stems of timepieces. 2,507,974, May 16.
Henry, Harry H., assignor to Monark Silver King, Inc., Chicago, Ill. Wire wheel spoke tightening machine. 2,533,113, Dec. 5.
Henry, Hubert H., Bedford, Iowa. Gearshift means. 2,520,005, Aug. 22.
Henry, James E., Sr., Miami, Fla. Visual study aid for trigonometry. 2,509,301, May 30.
Henry, John M., assignee: *See*—
Sparks, Warren A.
Henry, Leonard R.: *See*—
Harris, Lewis B., and Henry.
Henry, Murray W., assignor of one-half to F. H. Smith, San Antonio, Tex. Garbage can container. 2,528,056, Oct. 31.
Henry, Philip S. H., I. G. McDonald, and J. B. Todd, assignors to The British Cotton Industry Research Association, Didsbury, Manchester, England. Eliminating electrostatic charges in industrial processes. 2,497,604, Feb. 14.

Henry, Phillips F., Springfield, Oreg. Power transmission. 2,517,875, Aug. 8.
Henry, Raymond, Moline, Ill. Pneumatic cotton harvester. 2,531,041, Nov. 21.
Henry, Raymond, Moline, Ill. Pneumatic cotton harvester. 2,531,042, Nov. 21.
Henry, Robert L.: *See*—
Adams, Robert R., and Henry.
Henry, Robert L., Jr., Knoxville, Tenn. Overload indicating safety switch. 2,496,049, Jan. 31.
Henry, Ronald A.: *See*—
Brod, John S., and Henry.
Henry, Ronald A., Inyokern, Calif., and J. S. Brod, Wyoming, Ohio, assignors to The Procter & Gamble Company, Cincinnati, Ohio. Sulfonation of olefins. 2,529,538, Nov. 14.
Henry, Thomas H., Los Angeles, Calif. Wheel balancer. 2,493,872, Jan. 10.
Henry Valve Company, Incorporated, assignee: *See*—
Dawson, Richard S.
Henry, William L., Johnstown, Pa. Vehicle spring. 2,496,534, Feb. 7.
Henry, William V., Candler, assignor to American Enka Corporation, Enka, N. C. Winding rayon. 2,508,516, May 23.
Henschen, Edgar: *See*—
Dennis, Stanley W., and Henschen.
Hensel, Franz R., E. I. Larsen, and E. F. Holt, assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind. Fluted spot welding electrode. 2,513,323, July 4.
Hensel, Franz R., and J. G. Sparkers, assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind. Making bearings. 2,517,430, Aug. 1.
Hensel, Franz R., and E. I. Larsen, assignors to P. R. Mallory & Co. Inc., Indianapolis, Ind. Aluminum thallium bearing. 2,531,910, Nov. 28.
Hensel, Fred, Los Angeles, Calif. Electric can opener. 2,494,616, Jan. 17.
Henshaw, Richard C., assignor to Lord Manufacturing Company, Erie Pa. Joint. 2,509,145, May 23.
Hensler, Elmer G., Barton, Wis., assignor to McGraw Electric Company. Making paper tubes. 2,532,494, Dec. 5.
Hensley, Edward F., Niagara Falls, assignor to Bell Aircraft Corporation, Wheatfield, N. Y. Aircraft control mechanism. 2,506,960, May 9.
Hensley, Lee C.: *See*—
Anish, Alfred W., and Hensley.
Hensley, Lida B., assignor of one-half to H. J. Albert, Yuma, Ariz. Adjustable garment hanger. 2,513,484, July 4.
Henson, Kenneth H., Onward, Ind. Combined cigarette and match case. 2,506,832, May 9.
Henson, Robert L., Jr., Beaumont, Tex., assignor to Sun Oil Company, Philadelphia, Pa. Seismic detector. 2,533,249, Dec. 12.
Henson, Robert L., Jr., and J. W. Millington, Beaumont, Tex., assignors to Sun Oil Company, Philadelphia, Pa. Drive for seismographic record strips. 2,532,911, Dec. 5.
Henstridge, Alec G.: *See*—
Owner, Frank M., and Henstridge.
Henszey, Roy O., Oconomowoc, Wis. Evaporator and separator. 2,512,938, June 27.
Henwood, Arthur B., Kellogg, Idaho. Intermittently held lever actuated stem. 2,527,420, Oct. 24.
Henwood, James B., Bala-Cynwyd, assignor to Selas Corporation of America, Philadelphia, Pa. Apparatus for heat-treating granular materials. 2,520,637, Aug. 29.
Henyey, Louis G.: *See*—
Greenstein, Jesse L., and Henyey.
Henyey, Louis G., and J. L. Greenstein, Williams Bay, Wis., assignors to the United States of America as represented by the Secretary of War. Split-field dual-power telescope. 2,512,153, June 20.
Henze, Henry R., Austin, Tex., assignor to Parke-Davis & Company, Detroit, Mich. 5-phenyl-5-pyridyl hydantoins. 2,526,231, Oct. 17.
Henze, Henry R., Austin, Tex., assignor to Parke, Davis & Company, Detroit, Mich. Substituted hydantoins and obtaining the same. 2,526,232, Oct. 17.
Hepner, Charles, Chicago, Ill. Method and apparatus for making batt-covered sheets. 2,493,968, Jan. 10.
Hepp, Carlos A., Palisade, assignor to Alfred Hofmann & Company, West New York, N. J. Warp-knitting machine and operating the same. 2,521,218, Sept. 5.
Hepp, Gerard, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Variable reactance means for frequency modulating an oscillator. 2,495,634, Jan. 24.
Hepp, Gerard, Eindhoven, Netherlands, assignor to Hartford National Bank & Trust Company, Hartford, Conn., as trustee. Wave length modulating device. 2,497,605, Feb. 14.
Hepp, Gerard, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Reactance tube circuit arrangement. 2,530,611, Nov. 21.
Hepp, Harold J.: *See*—
Sailors, Howard R., and Hepp.
Hepp, Harold J., Bartlesville, Okla., assignor to Phillips Petroleum Company. Catalytic cracking and reforming process. 2,504,415, Apr. 18.
Hepp, Harold J., and W. W. Weinrich, Bartlesville, Okla., assignors to Phillips Petroleum Company. Recovering anhydrous aluminum chloride from fluid aluminum-hydrocarbon complex. 2,526,564, Oct. 17.
Hepperle, Erwin: *See*—
Lippert, Hanns, and Hepperle.
Hepperle, Erwin, Zurich, assignor to Verwaltungsgesellschaft der Werkzeugmaschinenfabrik Oerlikon, Zurich-Oerlikon, Switzerland. Trigger mechanism for automatic fire arms. 2,524,258, Oct. 3.
Heppner Manufacturing Company, assignee: *See*—
Heppner, Myron R.
Heppner, Myron R., Chicago, assignor to Heppner Manufacturing Company, Round Lake, Ill. Device for adjustably positioning spaced magnetic fields. 2,499,065, Feb. 28.
Heppner, Myron R., Chicago, assignor to Heppner Manufacturing Company, Round Lake, Ill. Device for controlling the path of travel of electrons in cathode-ray tubes. 2,522,872, Sept. 19.
Herald, Dorothy H., assignee: *See*—
Hayden, David H.
Herbener, Henry M., Thomasville, Ga. Girdle or like garment. 2,501,899, Mar. 28.
Herbener, Henry M., Thomasville, Ga. Girdle and stiffening unit. 2,501,900, Mar. 28.
Herbener, Henry M., Thomasville, Ga. Girdle. 2,501,901, Mar. 28.
Herbener, Henry M., Thomasville, Ga. Clasp receiving unit for garments. 2,505,242, Apr. 25.
Herber, Paul H.: *See*—
Pohl, Alois M., and Herber.
Herber, Pierre, Middlesex, and W. C. Richardson, North Plainfield, N. J., assignors to Research Corporation, New York, N. Y. Gas distributing system. 2,497,169, Feb. 14.
Herbers, Joseph G.: *See*—
Hoffman, Howard H., and Herbers.
Herbers, Joseph G., assignor to The Louis G. Freeman Company, Cincinnati, Ohio. Clutch and brake mechanism for ornamenting machines. 2,496,793, Feb. 7.
Herbert, Charles C.: *See*—
Abildgaard, William, and Herbert.
Herbert, Harry E., Los Angeles, and F. A. Notterman, Nevada City, Calif. Shopping bag carrier. 2,519,186, Aug. 15.
Herbert, Lionel, Charlotte, N. C. Leg and foot rest. 2,522,173, Sept. 12.
Herbert, Oscar A., Hollywood, Calif. Article carrying device. 2,532,306, Dec. 5.
Herbert, William C., Brooklyn, and W. C. Herbert, Jr., Freeport, N. Y. Static charge eliminator. 2,514,864, July 11
Herbert, William C., Jr.: *See*—
Herbert, William C.
Herbnick Manufacturing and Engineering Co., Inc., assignee: *See*—
Chuy, Nicholas.
Herbold, Karl P., Brooklyn, N. Y., assignor to Eskimo Pie Corporation, Bloomfield, N. J. Measuring dispenser for filling ice-cream containers and the like. 2,510,576, June 6.
Herbold, Robert J., assignor to L. M. Hughes, Denver, Colo. Navigating instrument for craft and pilot guidance. 2,532,402, Dec. 5.
Herbrandson, Harry F.: *See*—
Price, Charles, Roberts, and Herbrandson.
Herbrick, Milton B., Sterling, Colo. Tire chain release device. Re. 23,289, Oct. 31.
Herbrick, Milton B., Sterling, Colo. Tire chain release device. 2,493,760, Jan. 10.
Herbrick, Milton B., Sterling, Colo. Tire chain releasing and holding device. 2,512,646, June 27.
Herbst, Harry T., Roselle, N. J., assignor to The Linde Air Products Company. Inert gas blanketed welding rod feed process. 2,496,347, Feb. 7.
Herbst, John A.: *See*—
Dodington, Sven H. M., and Herbst.
Herbst, John A., Pines Lake, N. J., assignor to Federal Telephone & Radio Corporation, New York, N. Y. Radio direction finder. 2,510,107, June 6.
Herbst, John A., Pines Lake, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Code translator. 2,520,142, Aug. 29.
Herbst, John A., Pines Lake, and G. R. Clark, Nutley, N. J., assignors to Federal Telephone and Radio Corporation, New York, N. Y. Printer telegraph circuit. 2,523,300, Sept. 26.
Herbst, Philip J.: *See*—
Wolff, Irving, and Herbst.
Herbst, Philip J., Princeton, N. J., assignor to Radio Corporation of America. Air traffic control. 2,500,545, Mar. 14.
Herbst, Philip J., Princeton, N. J., assignor to Radio Corporation of America. Position indicating system. 2,532,063, Nov. 28.
Herbst, Robert M.: *See*—
Harvill, Edward K., and Herbst.
Herceg, Mike, Winnemucca, Nev. Masticator. 2,492,997, Jan. 3.
Herchenroeder, Louis W., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Machine-tool control system. 2,498,272, Feb. 21.

Herchenroeder, Louis W., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Speed-regulated direct-current drive. 2,519,370, Aug. 22.
Hercules Cycle and Motor Company Limited, The, assignee: *See*—
Yapp, Thomas A.
Hercules Fasteners, Inc., assignee: *See*—
Frank, Joseph J., and Macy.
Hercules Motors Corporation, assignee: *See*—
Le Salle, George W.
Hercules Powder Company, assignee: *See*—
Benoit, George J., Jr.
Bishop, William T., Lorand, and Reese.
Breslow, David S.
Bried, Edward A.
Buntin, George A.
Cairns, Robert W.
Cairns, Robert W., and Lawrence.
Clare, Irwin C.
Clarke, Ray A.
Counterman, Lewis B.
Crater, Willard de C.
Erickson, Ewald.
Fenelon, Earl S., Jr., and Howard.
Fenelon, Earl S., Jr., and Pavilonis.
Flaherty, John J., Jr.
Fox, Herman.
Gloor, Walter E.
Gloor, Walter E., and Pyle.
Haggard, Homer H.
Harris, George C.
Hulse, George E.
Ivett, Reginald W.
Ivett, Reginald W., and Koch.
Keim, Gerald I.
Klug, Eugene D.
Klug, Eugene D., and Spurlin.
Klug, Eugene D., and Tinsley.
Koch, William.
Koch, William W
Koch, William, and Pyle.
Koch, William, and Rummelsburg.
Lamborn, Bayard T.
Lefren, Edward K.
Lorand, Eugene J., and Reese.
Mertz, Edwin T.
Norton, Sereno G.
Phillips, Herman C.
Putnam, Stearns T.
Raczynski, Walter A.
Rheineck, Alfred E.
Rosher, Ronald.
Rummelsburg, Alfred L.
Sartin, Jarvis G.
Saunders, Robert H.
Schrimpe, Conrad C.
Segl, Walter E.
Shapleigh, James H.
Sheffield, Donald H.
Silver, Raymond P.
Smith, Roscoe B.
Spurlin, Harold M.
Stuart, Joseph, II.
Tinsley, John S.
Tinsley, John S., and Welldon.
Walton, Warren L.
Weisgerber, Cyrus A.
Hercules Steel Products Co., assignee: *See*—
Biszantz, Fred.
Héreng, André, Paris, France. Hydrolysis tower. 2,508,884, May 23.
Heresite & Chemical Company, assignee: *See*—
Hempel, Charles H.
Herigstad, Gust J., Mohall, N. Dak. Automatic control for combine table elevators. 2,514,764, July 11.
Hering, Rolf W.: *See*—
Horatschke, Francisco J., and Hering.
Herkenhoff, Earl C., Longmont, Colo., assignor to American Cyanamid Company, New York, N. Y. Froth flotation of iron ores, including use of alkali phosphate. 2,496,050, Jan. 31.
Herlache, Alden R., Milwaukee, Wis. Combination portable projection screen and carrying case. 2,527,816, Oct. 31.
Herlihy, William F., Lowell, Mass. Manufacture of California type shoes. 2,514,057, July 4.
Herlin, Melvin A., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. High-frequency transmission system. 2,501,052, Mar. 21.
Herman, Daniel F., Newark, N. J., assignor to Publicker Industries Inc., Philadelphia, Pa. Polymeric amino compounds and preparation thereof. 2,510,108, June 6.
Herman, Elvin E.: *See*—
Russell, James L., and Herman.
Herman, George W., Long Hill, Conn. Golf practice tee. 2,529,771, Nov. 14.
Herman, Harry O., Yeadon, Pa. Cigarette maker. 2,525,548, Oct. 10.
Herman, Kenneth R.: *See*—
Vickers, Harry F., Herman, and Pohl.
Herman, Kenneth R., Franklin, assignor to Vickers Incorporated, Detroit, Mich. Power control valve. 2,513,486, July 4.
Herman, Louis J.: *See*—
Mills, Albert M., and Herman.
Herman Pneumatic Machine Company, assignee: *See*—
Johnston, Loyal L.
Renkenberger, Tirzah A.
Hermandorfer, Arthur W., Barberton, Ohio, assignor to The Babcock & Wilcox Company, Rockleigh, N. J. Furnace lighter tube construction. 2,524,795, Oct. 10.
Hermani, Louis, Baltimore, Md., assignor to Continental Can Company, Inc., New York, N. Y. Container for refuse. 2,532,165, Nov. 28.
Hermani, Louis, Baltimore, Md., assignor to Continental Can Company, Inc., New York, N. Y. Blank feeding mechanism for can making machines. 2,535,853, Dec. 26.
Hermann, Albert: *See*—
Anderson, Arthur B., and Hermann.
Hermann, Augustus H., Melrose, assignor to Samuel Cabot, Inc., Boston, Mass. Control for cutting machines. 2,530,880, Nov. 21.
Hermann, Benjamin R., Lanesborough, and S. R. Smith, Jr., Pittsfield, Mass., assignors to General Electric Company. Automatic reclosing circuit interrupter. 2,524,525, Oct. 3.
Hermann, Benjamin R., Lanesborough, and F. L. Flanagan, Pittsfield, Mass., assignors to General Electric Company. Electric cutout. 2,532,811, Dec. 5.
Hermann, Clarence C.: *See*—
Schneible, Claude B., and Hermann.
Hermann, Edward O., Mill Valley, Calif. Hoist safety device. 2,498,422, Feb. 21.
Hermann, Kenneth W.: *See*—
Duis, Glenn A., and Hermann.
Hermann Thorens Societe Anonyme, assignee: *See*—
Thevenaz, Louis.
Hermanns, Otto E., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Injection mold. 2,535,132, Dec. 26.
Hermanny, Heinrich, Valley Stream, assignor to Bendix Aviation Corporation, Brooklyn, N. Y. Drive mechanism. 2,510,109, June 6.
Hermanson, Edward A., Santa Monica, Calif. Beveling device. 2,510,820, June 6.
Hermanson, Herman E.: *See*—
Eros, Stephen, and Hermanson.
Hermanson, William A., Brookline, Mass. Composite transparent sheet. 2,496,665, Feb. 7.
Hermes, Bernard P., Eldorado, Kans. Space miser clothes rack. 2,505,671, Apr. 25.
Hermes, Ronald: *See*—
Frost, Jack, and Hermes.
Hermsdorf Fixture Mfg. Company, The: *See*—
Grass, Hugo.
Hermsdorf, Herbert A.: *See*—
Grass, Hugo.
Hermsdorf, Walter R., assignee: *See*—
Grass, Hugo.
Hermsmeyer, Melvin L., Scotia, Nebr. Garment hanger support for automobiles. 2,522,174, Sept. 12.
Herndon, Wilder D., Jacksonville, Fla. Safety hook. 2,516,989, Aug. 1.
Herndon, William E., Marshall, Mo. Clothespin. 2,514,951, July 11.
Herold, Edward W., Spring Lake, N. J., assignor to Radio Corporation of America. Ultra high frequency mixer circuits. 2,516,990, Aug. 1.
Herold, Robert E., Cleveland, assignor to The Weatherhead Company, Cuyahoga County, Ohio. Tube coupling with rubber seal. 2,529,552, Nov. 14.
Herold, Walter L., Scranton, Pa. Shaking conveyer system. 2,507,251, May 9.
Heron, Hugh D., Outremont, Quebec, Canada. Boring tool. 2,495,583, Jan. 24.
Heron, John A., J. Shaw, and L. N. Hocking, Farnham Common, England. Die sinking. 2,518,890, Aug. 15.
Herr, Clarence S., Jr.: *See*—
Bumbera, Edmund A., and Herr.
Herr, Charles H., Jr., Springfield, Ill., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Change-speed transmission. 2,535,632, Dec. 26.
Herr, Donald L., New York, assignor to Control Instrument Company, Inc., Brooklyn, N. Y. Stable vertical. 2,497,607, Feb. 14.
Herr, Richard E., assignor to The Lewis Engineering and Manufacturing Company, Alliance, Ohio. Latch for pruning shears. 2,508,790, May 23.
Herrala, Carlo O., Seattle, and A. B. Jepson, near Bellevue, Wash., assignors to Boeing Airplane Company. Pressure governed regulator. 2,510,976, June 13.
Herrero, José A., Mexico City, Mexico. Clothespin. 2,514,698, July 11.
Herreshoff, Alexander G., Grosse Pointe, assignor to Chrysler Corporation, Highland Park, Mich. Support for rear axle differentials. 2,329,392, Nov. 7.
Herreshoff, Alexander G., Grosse Pointe, and J. P. Butterfield, assignors to Chrysler Corporation, Highland Park, Mich. Mechanical connection. 2,513,637, July 4.
Herreshoff, Algernon S. De W., Bristol, R. I. Feathering propeller, hub, and coupling. 2,495,453, Jan. 24.
Herrick, Gerard P., New York, N. Y. Aircraft operable either as fixed or rotary lifting surface type. 2,518,007, Aug. 8.
Herrick, Gerard P., New York, N. Y. Convertible aircraft. 2,518,008, Aug. 8.

Herrick, Henry N., Berkeley, and W. M. Schaufelberger, Whittier, assignors to California Research Corporation, San Francisco, Calif. Method and apparatus for determining magnetic properties of well cores. 2,500,680, Mar. 14.

Herrick, Roswell H., Lorain, Ohio, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Folding handset. 2,508,642, May 23.

Herrick, Roswell H., Oak Park, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Multiband superheterodyne radio receiver. 2,513,485, July 4.

Herring, Carther C., Montgomery, Ala. Saw setter. 2,501,125, Mar. 21.

Herring, H. Lee, assignee: *See*—
Lucius, George P.

Herring-Hall-Marvin Safe Company, assignee: *See*—
Henkel, Harvey L.

Herring, Henry H., Jr.: *See*—
Burrows, Lawton A., and Herring.

Herring, Howard L., Jackson, Miss., assignor of fifty per cent to N & W Industries, Incorporated, Lynchburg, Va. Button dispensing attachment for button-sewing machines. 2,519,655, Aug. 22.

Herring, Leslie N., Hammond, Ind. Shoe for blowtorch scarfing head. 2,493,820, Jan. 10.

Herring, Luther C.: *See*—
Perry, Charles S., McMillan, Herring, and Bauknight.

Herring, Robert A., Jr., Washington, D. C. Concentric line construction. 2,527,549, Oct. 31.

Herring, Wayland F., Calumet City, Ill. Adjustable typewriter support. 2,531,880, Nov. 28.

Herrington, Arthur W., assignor to Marmon-Herrington Company, Inc., Indianapolis, Ind. Power unit for vehicles. 2,531,268, Nov. 21.

Herrington, Arthur W., assignor to Marmon-Herrington Company, Inc., Indianapolis, Ind. Power unit arrangement for delivery trucks. 2,531,269, Nov. 21.

Herrington, Lovic P., Hamden, Conn., assignor, by mesne assignments, to Electric Heat Devices, Inc., Pittsburgh, Pa. Air filter for electrically heated drapes. 2,495,414, Jan. 24.

Herrmann, Alvin G., Freeport, assignor to Herbert D. Adler & Company, New York, N. Y. Microfilm viewer and projecting apparatus with masking and selecting means. 2,497,606, Feb. 14.

Herrmann, Charles, Los Angeles, Calif., assignor, by mesne assignments, to B. C. Asher, Brooklyn, N. Y. Amusement device. 2,328,516, Nov. 7.

Herrmann, Elza, Cheshire, Ohio. Commode for use in airplanes, trailers, and the like. 2,506,502, May 2.

Herrmann, Fred, Harrington Park, N. J. Multiple blade razor. 2,505,493, Apr. 25.

Herrmann, Fritz, assignee: *See*—
Widrich, Anton.

Herron, Ollie L., Chicago, Ill. Venetian blind. 2,517,788, Aug. 8.

Herron, Truman A., Indian Hill, assignor to Surgical Appliance Industries, Inc., Cincinnati, Ohio. Mounting device for truss pads. 2,512,018, June 20.

Herrstrum, Rudolph E., assignor to Rockford Machine Tool Company, Rockford, Ill. Hydraulic machine tool 2,512,019, June 20.

Herrstrum, Rudolph E., and S. A. Bjorklund, assignors to Rockford Machine Tool Company, Rockford, Ill. Hydraulic circuits for machine tools. 2,497,608, Feb. 14.

Herschensohn, Arthur M., Scarsdale, N. Y. Hair net for bobbed hair styles. 2,534,351, Dec. 19.

Herscher, Marcus B., Camden, and R. F. Bov, Oaklyn, N. J., assignors to Radio Corporation of America. Mounting electron image tubes. 2,505,736, Apr. 25.

Herscher, Marcus B., Camden, and R. F. Bov, Oaklyn, N. J., assignors to Radio Corporation of America. Indicator device. 2,516,771, July 25.

Hersey, Arthur J.: *See*
Hersey, Kenneth J. and A. J.

Hersey, Henry J., Jr., Chatham, N. J. Dust filter. 2,495,635, Jan. 24

Hersey, Kenneth J. and A. J., Minneapolis, Minn. Wheel suspension. 2,526,866, Oct. 24.

Hersey, Ralph E., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Fringe office arrangement. 2,494,475, Jan. 10.

Hersey, Ralph E., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Calling-line identification system. 2,508,026, May 16.

Hersey, Ralph E., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Decentralized line switch arrangement. 2,532,097, Nov. 28.

Hersh, John F., and J. J. Faran, Jr., Cambridge, Mass., and J. R. Reitz, State College, Pa., assignors to the United States of America as represented by the Secretary of the Navy. Phase shifting device. 2,523,115, Sept. 19.

Hersh, Joseph M.: *See*—
Moyer, Melvin L., and Hersh.

Hersh, Joseph M., assignor to Continental Oil Company, Ponca City, Okla. Metal, phosphorus, and sulfur-containing organic compounds. 2,516,119, July 25.

Hershberg, Emanuel B.: *See*
Fieser, Louis F., Harris, Hershberg, Morgana, Novello, and Putnam.

Hershberg, Emanuel B., West Orange, N. J., and A. Kutner, Columbus, Ohio, assignors to Schering Corporation, Bloomfield, N. J. Isolation of stigmasterol. 2,520,143, Aug. 29.

Hershberger, William D., Haddonfield, N. J., assignor to Radio Corporation of America. Radio echo systems with means for protecting receivers. 2,496,998, Feb. 7.

Hershberger, William D., Princeton, N. J., assignor to Radio Corporation of America. Pulse-echo system for indicating angles. 2,506,785, May 9.

Hershberger, William D., Princeton, N. J., assignor to Radio Corporation of America. Measuring dipole moments of gases or vapors. 2,524,290, Oct. 3.

Hershey, Abram E., Paxtang, and J. F. Grissinger, Mechanicsburg, assignors to Hershey Creamery Company, Harrisburg, Pa. Extrusion nozzle for intrafold ice cream. 2,531,127, Nov. 21.

Hershey Creamery Company, assignee: *See*—
Hershey, Abram E., and Grissinger.

Herskovits, Theodore.: *See*—
Hayes, Stanley I., and Herskovits.

Hertel, Richard K., Los Angeles, and G. F. Nicolson, South Gate, assignors to Byron Jackson Co., Vernon, Calif. Spring hook. 2,506,593, May 9.

Herter, George L., Waseca, Minn. Goose call. 2,518,616, Aug. 15.

Hertig, Marshall, Minneapolis, Minn. Bowling slide rule. 2,498,421, Feb. 21.

Hertrich, Joseph, assignor to The Western States Machine Company, Hamilton, Ohio. Friction brake control system for centrifugal machines or the like. 2,535,854, Dec. 26.

Herts, Jack H. B.: *See*—
McPhee, John E., and Herts.

Herts, Jack H. B., and J. E. McPhee, assignors to John Widdicomb Company, Grand Rapids, Mich. Conveyer direction changer. 2,525,132, Oct. 10.

Hertwig, Waldemar R., Whiting, and J. D. Bushnell, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Removal of HF from HF-oil and oil-HF solutions. 2,532,495, Dec. 5.

Hertz, Irving E., South Orange, N. J. Comb. 2,530,612, Nov. 21.

Hervert, George L., Berwyn, assignor to Universal Oil Products Company, Chicago, Ill. Fluid circulating device. 2,495,895, Jan. 31.

Herwald, Seymour W., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric motor control system. 2,508,162, May 16.

Herwald, Seymour W., and H. M. Watson, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electronic prime mover regulator. 2,512,154, June 20.

Herz, Bert: *See*—
Herz, Rosalind and B.

Herz, Glenn E.: *See*—
Webb, James L., Jr., Broderick, and Herz.

Herz, John H.: *See*—
Berkenkotter, Edward L., and Herz.

Herz, Rosalind and B., New York, N. Y. Corset stay. 2,497,728, Feb. 14.

Herzfeld, Simon H., and M. Kleiman, assignors to Velsicol Corporation, Chicago, Ill. 1,2-dihydroxy-4,5,6,7,8,8-hexahalo-4,7-methano-3a,4,7,7a-tetrahydroindane and preparing same. 2,528,654, Nov. 7.

Herzfeld, Simon H. and E. P. Ordas, assignors to Velsicol Corporation, Chicago, Ill. 1 - acyloxy - 4,7 - methano-3a,4,7,7a-tetrahydro - 4,5,6,7,8,8 - hexachloroindenes and producing the same. 2,528,655, Nov. 7.

Herzfeld, Simon H., and E. P. Ordas, assignors to Velsicol Corporation, Chicago, Ill. 1 - hydroxy - 4,7 - methano-3a,4,7,7a - tetrahydro 4,5,6,7,8,8 - hexachloroindene and preparing same. 2,528,656, Nov. 7.

Herzlinger, Joseph I., Oaklyn, N. J., assignor to Radio Corporation of America. System for transmitting positional data. 2,528,142, Oct. 31.

Herzog, Carl, Belleville, N. J. Self-closing dispensing device. 2,520,684, Aug. 29.

Herzog, Charles M., Rahway, N. J. Cord actuated spinning toy. 2,533,935, Dec. 12.

Herzog, Gerhard, Houston, Tex., assignor to The Texas Company, New York, N. Y. Well logging detector calibration. 2,493,346, Jan. 3.

Herzog, Gerhard, Houston, Tex., assignor to The Texas Company, New York, N. Y. Voltage control and stabilizing circuits. 2,493,535, Jan. 3.

Herzog, Gerhard, Houston, Tex., assignor to The Texas Company, New York, N. Y. Voltage control and stabilizing circuits. 2,493,536, Jan. 3.

Herzog, Gerhard, Houston, Tex., and K. C. Crumrine, Tulsa, Okla., assignors to The Texas Company, New York, N. Y. Neutron detection. 2,499,311, Feb. 28.

Herzog, Gerhard, Houston, Tex., assignor to Texaco Development Corporation, New York, N. Y. Voltage supply system. 2,499,312, Feb. 28

Herzog, Gerhard, Houston, Tex., assignor to The Texas Company, New York, N. Y. Linear integration meter. 2,499,953, Mar. 7.

Herzog, Gerhard, Houston, Tex., assignor to The Texas Company, New York, N. Y. Device for measuring thickness. 2,501,173, Mar. 21.

Herzog, Gerhard, Houston, Tex., assignor to The Texas Company, New York, N. Y. Radioactive measuring. 2,501,174, Mar. 21.

Herzog, Gerhard, Houston, Tex., assignor to Texaco Development Corporation, New York, N. Y. Well logging. 2,506,149, May 2.
Herzog, Gerhard, Houston, Tex., assignor to The Texas Company, New York, N. Y. Thickness measurement. 2,509,344, May 30.
Herzog, Gerhard, Houston, Tex., assignor to The Texas Company, New York, N. Y. Radiological well logging. 2,512,020, June 20.
Herzog, Gerhard, Houston, Tex., assignor to The Texas Company, New York, N. Y. Radioactive measuring. 2,528,724, Nov. 7.
Herzog, Gerhard, Houston, Tex., assignor to The Texas Company, New York, N. Y. Determining proportions in compositions of substances. 2,534,352, Dec. 19.
Herzog, Gerhard, Houston, Tex., assignor to The Texas Company, New York, N. Y. Prospecting. 2,535,066, Dec. 26.
Herzog, Gerhard, and A. D. Garrison, Houston, Tex., assignors to Texaco Development Corporation, New York, N. Y. Radioactive measuring. 2,512,773, June 27.
Herzstark, Curt, Mauren, Liechtenstein. Calculating machine. 2,525,352, Oct. 10.
Herzstark, Curt, Mauren, Liechtenstein. Zeroizing mechaism. 2,533,372, Dec. 12.
Hesch, Frederick H.: *See*—
Mason, James F., and Hesch.
Hesh, Frank H., Chicago, Ill. Multiple pole switch. 2,507,016, May 9.
Hesh, Frank H., Chicago, Ill. Electrically operated typewriter. 2,532,228, Nov. 28.
Hess, Alexander M., New York, N. Y. Vanity table drape. 2,494,874, Jan. 17.
Hess, Alexander M., New York, N. Y. Pleating. 2,527,360, Oct. 24.
Hess, Francis M., assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Fixture for freight car doors. 2,516,210, July 25.
Hess, Frederic O., assignor to Selas Corporation of America, Philadelphia, Pa. Heating furnace. 2,496,914, Feb. 7.
Hess, Frederic O., assignor to Selas Corporation of America, Philadelphia, Pa. Gas burner of the type in which combustion is accomplished in a refractory lined combustion chamber. 2,499,218, Feb. 28.
Hess, Frederic O., assignor to Selas Corporation of America, Philadelphia, Pa. Heating. 2,502,947, Apr. 4.
Hess, Frederic O., assignor to Selas Corporation of America, Philadelphia, Pa. Gas filter. 2,513,174, June 27.
Hess, Frederic O., assignor to Selas Corporation of America, Philadelphia, Pa. Heat-treating metal work of elongated extent. 2,529,689, Nov. 14.
Hess, Frederic O., assignor to Selas Corporation of America, Philadelphia, Pa. Heating apparatus. 2,529,690, Nov. 14.
Hess, Frederic O., F. Maud, and W. B. Troupe, assignors to Selas Corporation of America, Philadelphia County, Pa. Apparatus for hardening and drawing ferrous metallic articles. 2,504,685, Apr. 18.
Hess, Frederic O., F. Maud, and W. B. Troupe, assignors to Selas Corporation of America, Philadelphia, Pa. Heat-treating apparatus. 2,515,086, July 11.
Hess, Frederic O., Philadelphia, F. Maud and E. F. Stoertz, North Hills, assignors to Selas Corporation of America, Philadelphia, Pa. Heating apparatus for heating ends of elongated workpieces in a continuous process. 2,534,021, Dec. 12.
Hess, Gerard C., Asbury Park, N. J., assignor to the United States of America as represented by the Secretary of War. Signal responsive system. 2,532,307, Dec. 5.
Hess, Heinrich, assignor to Actiengesellschaft Joh. Jacob Rieter & Cie, Winterthur, Switzerland. Apparatus for preventing fly from depositing on the drive members of textile machines. 2,518,780, Aug. 15.
Hess, Howard V.: *See*—
Arnold, George B., and Hess.
Arnold, George B., Hess, and Stewart.
Hess, Howard V., Fishkill, assignor to The Texas Company, New York, N. Y. Azeotropic distillation of hydrocarbons with sulfur dioxide. 2,493,537, Jan. 3.
Hess, James W., Glendale, Calif., and C. W. Bishop, Shelton, Wash. Clothes hanger support for automobiles. 2,510,175, June 6.
Hess, Karl W., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Protecting device for gas- or vapor-filled controlled discharge tubes. 2,503,735, Apr. 11.
Hess, Lawrence J., Baltimore, Md., assignor to Bethlehem Steel Company. Coupling screwer. 2,518,009, Aug. 8.
Hess, Myra J., assignee: *See*—
Janisch, Maximillian P.
Hess, Paul D., Glasford, Ill. Deflection scope. 2,527,550, Oct. 31.
Hess, Relza J., Los Angeles, Calif., assignor to American Steel Foundries, Chicago, Ill. Packing. 2,525,747, Oct. 10.
Hess, Relza J., assignor to American Steel Foundries, Chicago, Ill. Pneumatically actuated hydraulic circuit for presses. 2,528,472, Oct. 31.
Hess, Relza J., and F. G. Cizek, assignors to American Steel Foundries, Chicago, Ill. Hydraulic press. 2,497,044, Feb. 7.
Hess, Robert G., Los Angeles, assignor to H. A. Dutton, Jr., Millbrae, Calif. Fluid pressure switch. 2,500,457, Mar. 14.
Hess, William J.: *See*—
Santee, Edwin M., Burkhard, and Hess.
Hess, Willis C., assignor to Trico Products Corporation, Buffalo, N. Y. Valve action for windshield wiper motors. 2,523,992, Sept. 26.
Hesse, Adolf, assignor to Riley Stoker Corporation, Worcester, Mass. Pulverizing apparatus. 2,526,355, Oct. 17.
Hesse, Alfred H., Worthington, Ohio, assignor, by mesne assignments, to Mathieson Chemical Corporation. Fluxing process for magnesium alloys. 2,507,713, May 16.
Hesse, Alfred H., Worthington, Ohio, assignor, by mesne assignments, to Mathieson Chemical Corporation. Magnesium-base alloys. 2,507,714, May 16.
Hessert, Raymond M., Buffalo, N. Y. Apparatus for filling containers with ice cream with cutter means and container controlled circuit breaking means for stopping the apparatus. 2,517,107, Aug. 1
Hesson, Charles W., Louisville, Ky. Mechanical wallpaper paster. 2,514,238, July 4.
Hesson, James C.: *See*—
Voss, Walter W., Getz, and Hesson.
Williamson, Hilding V., and Hesson.
Hesson, James C., assignor to Cardox Corporation, Chicago, Ill. Hand fire extinguisher. 2,496,160, Jan. 31.
Hesson, James C., assignor to Cardox Corporation, Chicago, Ill. Smoke detector. 2,509,497, May 30.
Hester, Frank A., assignor to Faximile, Inc., New York, N. Y. Synchronizing circuit. 2,512,647, June 27.
Hester, William F.: *See*—
Craig, W. E., and Hester.
Hester, William F., Drexel Hill, and W. E. Craig, assignors to Röhm & Haas Company, Philadelphia, Pa. Capryldinitrophenyl crotonate. 2,526,660, Oct. 24.
Heston, Allen L.: *See*—
Hanson, Elden W., Heston, and Buecken.
Heth, Sherman C., assignor to J. I. Case Company, Racine, Wis. Combination harvesting and ensilage cutting machine. 2,494,388, Jan. 10.
Heth, Sherman C., and W. B. Tallman, assignors to J. I. Case Company, Racine, Wis. Feathering reel construction. 2,497,729, Feb. 14.
Heth, Sherman C., assignor to J. I. Case Company, Racine, Wis. Tractor mounted combine. 2,507,669, May 16.
Heth, Sherman C., assignor to J. I. Case Company, Racine, Wis. Mobile crop drier. 2,513,480, July 4.
Heth, Sherman C., assignor to J. I. Case Company, Racine, Wis. Self-propelled combination harvesting and threshing machine. 2,528,275, Oct. 31.
Hetherington, Harry R., New Southgate, London, England, assignor to The Hobart Manufacturing Company, Troy, Ohio. Machines for peeling and cleaning vegetables and fruits. 2,514,493, July 11.
Hetherington, Robert, & Son, Inc., assignee: *See*—
Schellman, Joseph H.
Hett, John H., assignor to American Cystoscope Makers, Inc., New York, N. Y. Lens system for gastroscopes or the like. 2,519,760, Aug. 22.
Hettelsater, Henry C., Whitefish Bay, assignor to Harnischfeger Corporation, Milwaukee, Wis. Binder supply system. 2,529,656, Nov. 14.
Hettinger, Burnell F., Aurora, Ill. Reminder bracelet. 2,510,224, June 6.
Hettinger, Charles, West Englewood, N. J. Machine for strip-icing confections. 2,535,573, Dec. 26.
Hettrick Manufacturing Company, The, assignee: *See*—
Smith, Milton B.
Hetzel, Stanford J., Cheltenham, assignor to Sun Oil Company, Philadelphia, Pa. 1,5 pentanediol bis-cyclohexyl acetate. 2,500,033, Mar. 7.
Hetzel, Stanford J., Cheltenham, assignor to Sun Oil Company, Philadelphia, Pa. Polyvinyl chloride resin plasticized with 1,5-pentanediol-bis-cyclohexyl acetate. 2,504,929, Apr. 18.
Hetzel, Stanford J., Cheltenham, assignor to Sun Oil Company, Philadelphia, Pa. Polyvinyl chloride resin plasticized with 1,5-pentanediol difuroate. 2,504,930, Apr. 18.
Hetzel, Stanford J., Cheltenham, assignor to Sun Oil Company, Philadelphia, Pa. Ester of 1,5-pentanediol and its preparation. 2,533,250, Dec. 12.
Hetzler, Joseph E. and S. I., Emlenton, Pa. Insulated lunch kit. 2,511,710, June 13.
Hetzler, Sylvia I.: *See*—
Hetzler, Joseph E. and S. I.
Hetzner, Howard P., San Anselmo, and R. J. Miller, Berkeley, assignors to California Research Corporation, San Francisco, Calif. Separating a mixture of isomeric xylenes. 2,511,711, June 13.
Heuacker, Frederick W., Miami, Fla. Drainpipe stoppage preventer. 2,506,669, May 9.
Heuer, Joseph G., Pittsburgh, Pa. Milk bottle holder. 2,508,945, May 23.
Heuer, Russell P., Villa Nova, Pa., assignor to General Refractories Company. Refractory brick for use in suspended furnace roofs. 2,517,876, Aug. 8.
Heuer, Russell P., Villa Nova, Pa., assignor to General Refractories Company. Making refractory brick for use in suspended furnace roofs. 2,527,063, Oct. 24.

Heuer, Russell P., Villa Nova, Pa., assignor to General Refractories Company. Suspended furnace roof. 2,529,607, Nov. 14.

Heuschkel, Julius, Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Resistance welding metal of different thicknesses. 2,498,492, Feb. 21.

Heuschkel, Julius, Pittsburgh, Pa., and P. M. La Hue, Denver, Colo., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Welding control. 2,498,491, Feb. 21.

Heusser, Wilfrid, Salt Lake City, Utah. Piston and connecting rod assembly. 2,513,023, June 27.

Heuver, Herbert M.: *See*—
Kemmer, Paul H., Heuver, and Wattendorf.

Hewes, Ralph W.: *See*—
Field, Oscar S., Wight, and Hewes.

Hewett, Verelynn M., Bryn Mawr, Wash. Ski binding. 2,517,486, Aug. 1.

Hewitt, Donald H.: *See*—
Cottrell, Jack A., Hewitt, and Armitage.
Thynne, Arthur W. F., and Hewitt.

Hewitt, Ellis E., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Turbine control apparatus. 2,512,021, June 20.

Hewitt, Ellis E., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Load compensating fluid pressure brake equipment. 2,528,143, Oct. 31.

Hewitt, Ellis E., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Indicating apparatus for load compensating fluid pressure brake equipment. 2,531,043, Nov. 21.

Hewitt, Harold A., Everett, Mass. Automobile tire. 2,515,958, July 18.

Hewitt, Harold C., Detroit, and F. H. Morgan, Grosse Pointe Woods, assignors to W. Stern, Detroit, Mich. Doughnut making machine. 2,505,243, Apr. 25.

Hewitt, John C., Jr., Long Beach, Calif. Instrument float. 2,500,410, Mar. 14.

Hewitt, John C., Jr., Long Beach, Calif. Instrument float control. 2,500,411, Mar. 14.

Hewitt, Philip S., Royal Oak, and R. E. Carter, Wayne County, assignors to Reichhold Chemicals, Inc., Detroit, Mich. Resin for stabilizing textiles and making the same. 2,504,835, Apr. 18.

Hewitt-Robins Incorporated, assignee: *See*—
Bankauf, William F., and Harrington.
Mack, Robert G.

Hewitt Rubber Corporation, assignee: *See*—
Blanchard, Francis W., and Borkenhagen.

Hewlett Manufacturing Company, assignee: *See*—
Hewlett, Raymond E.
Wallace, David A., and Hewlett.

Hewlett, Raymond E.: *See*—
Wallace, David A., and Hewlett.

Hewlett, Raymond E., assignor to Hewlett Manufacturing Company, Detroit, Mich. Automatic orange juicer. 2,515,772, July 18.

Hexter, Paul L., assignor to The Arco Company, Cleveland, Ohio. Paint weighing machine. 2,519,371, Aug. 22.

Hey, Herman C., Fort Lee, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Variable impedance wave guide matching transformer. 2,527,817, Oct. 31.

Heyden Chemical Corporation, assignee: *See*—
Burrell, Harry, and Barth.
Rigler, Neil E.
Sokol, Herman.

Heydenfeldt, Frederick F.: *See*—
Bylin, Richard S., Covington and Heydenfeldt.

Heyer, Don, assignor to International Powermatic Corporation, Los Angeles, Calif. Automatic variable ratio transmission. 2,521,457, Sept. 5.

Heyer, Frederic K., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Key controlled tumbler lock. 2,505,494, Apr. 25.

Heyer, Frederic K., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Reversible deadlatch. 2,516,991, Aug. 1.

Heyer Industries Incorporated, assignee: *See*—
Dalzell, Clarence W.

Heyerdahl, Frederick C., assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Folding step and trapdoor arrangement. 2,522,674, Sept. 19.

Heyerman, Johannes M., assignor to Jan Jongerius N. V., Utrecht, Netherlands. Device for distributing pressure liquid over a plurality of supporting posts. 2,510,285, June 6.

Heyl, Dorothea, Rahway, S. A. Harris, Westfield, and K. Folkers, Plainfield, assignors to Merck & Co., Inc., Rahway, N. J. Preparing 2-methyl-3-hydroxy-4 aminomethyl-5-hydroxymethylpyridine. 2,497,730, Feb. 14.

Heyl, Dorothea, Rahway, S. A. Harris, Westfield, and K. Folkers, Plainfield, assignors to Merck & Co., Inc., Rahway, N. J. Derivatives of vitamin B_6 and preparing same. 2,519,469, Aug. 22.

Heyl, George E., Mill Hill, England. Electrolytic charge forming device. 2,509,498, May 30.

Heyman, Albert A., assignor to J. Shapiro, Baltimore, Md. Machine for manufacturing spirally wound straws or tubes. 2,501,938, Mar. 28.

Heyman, Albert A., assignor to Maryland Baking Company, Inc., Baltimore, Md. Ice-cream cup. 2,501,939, Mar. 28.

Heyman, Gustave, assignee: *See*—
Hayman, Max, and Galen.

Heyman, Nicholas C., New York, N. Y. Phonographic toy telephone. 2,496,666, Feb. 7.

Heymann, Roy D., New Hartford, Conn., assignor, by mesne assignments, to Animal Trap Company of America, Lititz, Pa. Hunter's decoy. 2,495,720, Jan. 31.

Heymann, Roy D., New Hartford, Conn., assignor to Animal Trap Company of America, Lititz, Pa. Hunter's decoy. 2,495,721, Jan. 31.

Heyn, Victor H., Minneapolis, Minn. Quick adjusting wrench. 2,499,644, Mar. 7.

Heyrovský, Jaroslav, assignor to Zbrojovka Brno Narodni Podnik (also named Brno Arms Factory, National Corporation), Prague, Czechoslovakia. Apparatus for electroanalysis. 2,500,284, Mar. 14.

Heywood-Wakefield Company, assignee: *See*—
Bell, Alfred B.
Dean, Walter B., and Smith.
Hendrickson, Severin B., and Owler.
Hill, Oiva E.
Wickman, Helmer W., and Racine.

Heywood, Vincent E., Worcester, assignor to United States Envelope Company, Springfield, Mass. Envelope. 2,535,537, Dec. 26.

Heyworth, James E.: *See*—
Wilson, Herman W., and Heyworth.

Hewson, Charles R., Altamont, N. Y., assignor to General Electric Company. Welding control system. 2,532,826, Dec. 5.

Hi-Ampere Tools Corporation, assignee: *See*—
May, Thomas L.

Hiatt, Herbert D.: *See*—
Mulbarger, Francis A., and Hiatt.

Hiatt, Robert C., Hillsboro, Oreg. Rake. 2,514,699, July 11.

Hibbard, Hurl, Dayton, Ohio. Detachable utensil handle. 2,501,940, Mar. 28.

Hibbard, Oscar L.: *See*—
Carroll, Fred M., and Hibbard.

Hibben, George N., trustee, assignee: *See*—
Comstock, George F., and Frost.
Porter, Frank R.

Hibbert, Edward N., Youngstown, Ohio, assignor to Carnegie-Illinois Steel Corporation. Razor blade stock. 2,531,731, Nov. 28.

Hibbert, John W., Gateshead, A. T. Robertson, and C. Beveridge, Newcastle-on-Tyne, assignors to A. Reyrolle & Company Limited, Hebburn-on-Tyne, England. Electric motor. 2,531,044, Nov. 21.

Hibner, De Los E., and F. C. Arey, Du Bois, Pa., assignors to Vulcan Soot Blower Corporation. Power-driven soot blower. 2,504,073, Apr. 11.

Hibshman, Henry J., Plainfield, and R. H. Lafferty, Bradley Beach, N. J., assignors to Standard Oil Development Company. Vapor liquid solvent extraction process. 2,520,006, Aug. 22.

Hice, Fred D., assignee: *See*—
Martin, Tolly C.

Hicke, Gerald E., assignor to The Trane Company, La Crosse, Wis. Heat exchanger. 2,529,215, Nov. 7.

Hickernell, Latimer F., Irvington, N. Y., assignor to Anaconda Wire and Cable Company. Electrically conducting composite sheet. 2,498,493, Feb. 21.

Hickernell, Latimer F., Irvington, N. Y., assignor to Anaconda Wire and Cable Company. Electrical cable. 2,498,494, Feb. 21.

Hickerson, Albert L., Bartlesville, Okla., assignor to Phillips Petroleum Company. Apparatus, including an air trap for unloading liquid from tank cars. 2,507,595, May 16.

Hickerson, James W., Sr., Archer City, Tex. Rat hole drilling device. 2,528,593, Nov. 7.

Hickey, George J., Pawtucket, R. I. Expansion buckle. 2,534,200, Dec. 12.

Hickey, Henri J., Cleveland, Ohio. Internal-combustion engine. 2,500,823, Mar. 14.

Hickey, James, Portland, Oreg. Needle threader. 2,530,768, Nov. 21.

Hickey, James J., deceased, Binghamton, N. Y.; S. M. Hickey, administratrix. Welt-type wedge-heel shoe construction. 2,505,672, Apr. 25.

Hickey, John P.: *See*—
Lutts, Carlton G., Hickey, and Bock.

Hickey, John S., Jr., Schenectady, N. Y., assignor to General Electric Company. Indicator system. 2,523,761, Sept. 26.

Hickey, Stella M., administratrix: *See*—
Hickey, James J.

Hickman, Albert F., assignor to Hickman Pneumatic Seat Co. Inc., Eden, N. Y. Frictional bearing assembly. 2,527,551, Oct. 31.

Hickman, Clarence N., Jackson Heights, N. Y. Trap for rocket propellents. 2,502,458, Apr. 4.

Hickman, Clarence N., Jackson Heights, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electromagnetic relay. 2,502,842, Apr. 4.

Hickman, Clarence N., Jackson Heights, N. Y. Rocket propelled illuminating flare. 2,503,269, Apr. 11.

Hickman, Clarence N., Jackson Heights, N. Y. Trap for rocket propellents. 2,503,270, Apr. 11.
Hickman, Clarence N., Jackson Heights, N. Y. Rocket projectile. 2,503,271, Apr. 11.
Hickman, Clarence N., Jackson Heights, N. Y. Step-motor rocket projectile. 2,510,110, June 6.
Hickman, Clarence N., Jackson Heights, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cross-wire switch. 2,516,772, July 25.
Hickman, Clarence N., Jackson Heights, N. Y., assignor to the United States of America as represented by the Secretary of War. Driver rocket. 2,519,905, Aug. 22.
Hickman, Clarence N., Jackson Heights, N. Y., assignor to the United States of America as represented by the Secretary of the Office of Scientific Research and Development, in the Office for Emergency Management. Arming device. 2,522,514, Sept. 19.
Hickman, Franklin J.: *See*—
Blackhall, James M., and Hickman.
Hickman, Kenneth C. D., assignor, by mesne assignments, to Eastman Kodak Company, Rochester, N. Y. Vacuum production apparatus. 2,501,276, Mar. 21.
Hickman, Kenneth C. D., assignor, by mesne assignments, to Eastman Kodak Company, Rochester, N. Y. Dehydrating materials under low-pressure conditions. 2,507,632, May 16.
Hickman, Kenneth C. D., assignor, by mesne assignments, to Eastman Kodak Company, Rochester, N. Y. Desterolation. 2,515,041, July 11.
Hickman, Kenneth C. D., assignor, by mesne assignments, to Eastman Kodak Company, Rochester, N. Y. Vacuum pump. 2,535,796, Dec. 26.
Hickman, Leo F. and M., Corpus Christi, Tex. Crankshaft sleeve. 2,532,912, Dec. 5.
Hickman, Manuel: *See*—
Hickman, Leo F. and M.
Hickman Pneumatic Seat Co., Inc., assignee: *See*—
Hickman, Albert F.
Hickman, William A., Brookline, Mass. Boat. 2,515,005, July 11
Hickmott, Brian W. R., London, assignor to Norvent Limited, Newcastle-on-Tyne, England. Ventilating apparatus. 2,524,974, Oct. 10.
Hickok Manufacturing Company, Inc., assignee: *See*—
Mix, Edwin S.
Hickok, Robert D., Bratenahl, assignor to Cleveland Patents, Incorporated, Cleveland, Ohio. Indicating dial for photoelectric light meters. 2,529,337, Nov. 7.
Hickok, Ward, assignee: *See*—
Roysher, Hudson B.
Hickory Manufacturing Company, assignee: *See*—
Bost, Cecil T.
Hicks, Charles R., Jackson, Miss. Adjustable eraser for pencils. 2,533,668, Dec. 12.
Hicks, George L., III, Cambridge, Md. Pneumatic rupture control garment. 2,493,406, Jan. 3.
Hicks, Harold A., Detroit, assignor to Ford Motor Company, Dearborn, Mich. Vehicle body construction. 2,497,261, Feb. 14.
Hicks, H. T., assignee: *See*—
Jenkins, Otis V.
Hicks, James R., Waterbury, and R. S. Ellis, Watertown, assignors to The Bristol Company, Waterbury, Conn. Coupling device. 2,514,059, July 4.
Hicks, Russell S., executor: *See*—
Julius, Awdry F. and G. A.
Hicks, Thomas L., Toronto, Ontario, Canada. Rotary compressor. 2,522,824, Sept. 19.
Hicks, W. Wesley, assignee: *See*—
Kercher, Arthur J.
Hicks, William L., U. S. Army, Greenville, S. C. Self-cooling bag for liquids. 2,504,124, Apr. 18.
Hicks, William W., assignee: *See*—
Kercher, Arthur J.
Hiday, John B., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Engine starter. 2,515,087, July 11.
Hidde Nijland, Hendrik A., Laren, Netherlands. Electric gas blast circuit breaker. 2,500,429, Mar. 14.
Hieber, George E., assignor to Landis Machine Company, Waynesboro, Pa. Centerless grinding machine. 2,494,555, Jan. 17.
Hiensch, Johannes N.: *See*—
Griffiths, Leighton E., and Hiensch.
Hieronymus, John W.: *See*—
Monroe, Rollo O., and Hieronymus.
Hieserman, Clarence E.: *See*—
Seymour, George W., and Hieserman.
Higerd, Robert J., assignor to Kennametal Inc., Latrobe, Pa. Routing tool. 2,529,157, Nov. 7.
Higginbotham, Beverly M., Kenmore, and R. S. Hamilton, Manhasset, N. Y., assignors to The Linde Air Products Company. Apparatus for increasing production of oil wells. 2,500,990, Mar. 21.
Higginbotham & Son, assignee: *See*—
Inskeep, Oliver W.
Higginbottom, Frank: *See*—
Dalgleish, James W., and Higginbottom.
Higginbottom, William E., Newark, N. J., assignor to Benjamin C. Betner Company, Devon, Pa. Package filling machine. 2,532,913, Dec. 5.
Higgins, Allan H. W.: *See*—
Fischer, Herbert C., and Higgins.
Higgins, Andrew J., assignor to Higgins, Inc., New Orleans, La. System for calking boats. 2,505,544, Apr. 25.
Higgins, Edmond C., assignor to Higgins, Inc., New Orleans, La. Amphibious vehicle. 2,503,111, Apr. 4.
Higgins, Eric B., Tewin Wood, England, assignor to Tewin Industries Inc., County of New York, N. Y. Preparation of alkali metal di-salts of 2:3 hydroxynaphthoic acid. 2,531,380, Nov. 28.
Higgins, Eric B., Tewin Wood, England, assignor to Tewin Industries Inc., County of New York, N. Y. Manufacture of salts of 2:1-hydroxynaphthoic acid. 2,534,022, Dec. 12.
Higgins, Eric B., Welwyn Garden City, England. Production of the higher fatty acid esters of poly-chlorinated phenols. 2,506,361, May 2.
Higgins, Frank R., Detroit, Mich. Portable baby dinette. 2,518,891, Aug. 15.
Higgins, Incorporated, assignee: *See*—
Higgins, Andrew J.
Higgins, Edmond C.
Poché, John M.
Higgins Industries, Inc.: *See*—
Dugas, Joseph J.
Levy, Milton L.
Higgins, Louis W.: *See*—
Robertson, William, and Higgins.
Higgins, Ralph V., San Francisco, Calif. Sprinkling device operated by the sun's rays. 2,524,796, Oct. 10.
Higgins, Ray C., Charleston, Ill. Rafter gauge. 2,529,939, Nov. 14.
Higgins, Robert H., Southampton, N. Y. Inking device for typewriters. 2,530,697, Nov. 21.
Higgins, Roland: *See*—
Sprague, Theodore, and Higgins.
Higgins, Sigfried, Verona, N. J., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Matrix sheet and preparing same. 2,509,499, May 30.
Higgins, William F.: *See*—
Mayer, Simon E., and Higgins.
Higgins, William J., and C. H. Bradt, Groton, assignors to L. C. Smith & Corona Typewriters, Inc., Syracuse, N. Y. Paper web supporting and feeding means for recording machines. 2,509,684, May 30.
Higgs, George R., Hale, England, assignor, by mesne assignments, to General Electric Company. Prime mover electric drive control system. 2,500,753, Mar. 14.
Higgs, Paul M., Seattle, Wash., assignor to the United States of America as represented by the Secretary of the Navy. Linear time axis pressure recorder. 2,532,620, Dec. 5.
Higham, William W., Marion, Ohio, assignor to Newport Steel Corporation. Condensing unit for refrigeration systems. 2,524,226, Oct. 3.
Highberg, Axel L., West Hartford, and P. P. Newcomb, Manchester, Conn., and C. R. Soderberg, Weston, Mass., assignors to United Aircraft Corporation, East Hartford, Conn. Blade mounting. 2,494,658, Jan. 17.
Highberg, George A., West Hartford, Conn. Chuck operating mechanism. 2,529,772, Nov. 14.
High Duty Alloys Limited, assignee: *See*—
Hall, Horace C., Gresham, Doyle, and Wilson.
High, Fred R., Attleboro, assignor to T. J. Holmes Co., Inc., Chartley, Mass. Package container and display stand. 2,498,757, Feb. 28.
High, John E., Grand Junction, Colo. Hose clamp. 2,517,566, Aug. 8.
High, Jurjen S., deceased, by R. High, executrix, Philadelphia, Pa. Pneumatic dual rotary vibrator. 2,496,291, Feb. 7.
High Point Bending & Chair Company, assignee: *See*—
Croft, John J., Sr.
High-Pressure Components Limited, assignee: *See*—
Winby, Lewis P.
High, Rie, executrix: *See*—
High, Jurjen S.
Hight, Alec T., Fayetteville, N. C. Vehicle body vibrator. 2,523,212, Sept. 19.
Hight, James L., Boulder, Colo. Parachute release mechanism. 2,504,125, Apr. 18.
Hightower, Corrie, and H. Springett, Quincy, Ill. Pipe bender and straightener. 2,497,500, Feb. 14.
Highway Supply Corporation, assignee: *See*—
Mathers, Edward S.
Highway Trailer Co., assignee: *See*—
Stephen, James.
Higinbotham, William A., Santa Fe, N. Mex., and R. Pepinsky, Cambridge, Mass., assignors, by mesne assignments, to the United States of America as represented by the Secretary of War. Aircraft radar-map roll correction system. 2,532,549, Dec. 5.
Higley, Frank R., Cleveland Heights, assignor, by mesne assignments, to Affiliated Gas Equipment, Inc., Cleveland, Ohio. Pilot burner and thermally controlled valve therefor. 2,520,399, Aug. 29.
Higley, Frank R., Cleveland Heights, assignor, by mesne assignments, to Affiliated Gas Equipment, Inc., Cleveland, Ohio. Forced air furnace having scroll type heat exchanger. 2,533,458, Dec. 12.
Higley, Walter C., Hillsdale, Mich. Folding leg table. 2,529,940, Nov. 14.
Hignett, Travis P.: *See*—
Hubbuch, Theodore N., and Hignett.

Hignutt, Frank A. : *See*—
Snell, William E., Frantz, and Hignutt.
Higson, Percy R., Westminster, London, assignor to Vickers-Armstrongs Limited, London, England. Machine gunlock. 2,509,640, May 30.
Higson, Percy R., assignor to Vickers-Armstrongs Limited, London, England. Double-barreled automatic gun. 2,509,734, May 30.
Hilberry, Clarence R., Richmond, Va. Article counter actuator. 2,503,670, Apr. 11.
Hilblom, Samuel E., Chicago, Ill., assignor to International Harvester Company. Front-mounted tractor mower. 2,496,469, Feb. 7.
Hilblom, Samuel E., Chicago, Ill., assignor to International Harvester Company. Cutting mechanism release for mowers. 2,504,686, Apr. 18.
Hilblom, Samuel E., Chicago, Ill. Inner shoe for reciprocating mowers. 2,513,938, July 4.
Hilblom, Samuel E., Chicago, Ill., assignor to International Harvester Company. Implement attachment frame, especially for mowers. 2,518,317, Aug. 8.
Hilburn, Herbert S., assignee : *See*—
Hunn, Oliver W. and J. D.
Hildebrand, George L., U. S. Navy. Hydraulic safety device. 2,497,083, Feb. 14.
Hildebrand, Harry A., assignee : *See*—
Weber, Henry.
Hildebrand, Lynn R., Hempstead, N. Y., assignor to The Sperry Corporation. High-frequency electron discharge apparatus frequency control. 2,521,719, Sept. 12.
Hildebrand, Samuel B., and L. M. Shirlen, Marion, assignors to Drexel Furniture Company, Drexel, N. C. Vertically adjustable fluid pressure actuated work holder. 2,517,431, Aug. 1.
Hildebrandt, Henry, assignee : *See*—
Buckels, Chris C.
Douglas, Melvin.
Hildebrant, Vernon H., Morrow, assignor to W. H. Geier, Cincinnati, Ohio. Circular saw and making same. 2,528,226, Oct. 31.
Hilderink, Johannes H., Eindhoven, Netherlands, assignor to General Electric Company. Fluorescent lamp starting apparatus. 2,503,908, Apr. 11.
Hildmann, William B., assignor to Brock & Rankin, Chicago, Ill. Automatic thread cutter and register means for book sewing machines. 2,496,211, Jan. 31.
Hildmann, William B., Chicago, Ill., assignor to Brock & Rankin. Making sheet assemblies, especially for books. 2,524,259, Oct. 3.
Hildreth, Jack R., Campton, N. H. Photoelectric heat control for coffee brewers. 2,502,844, Apr. 4.
Hile-Damroth, Inc., assignee : *See*—
Damroth, William G.
Hileman, Keil E., Overland Park, Kans., assignor to National Metal Products Company, Kansas City, Mo. Mowing machines. 2,504,416, Apr. 18.
Hiler, Roy R., Sewell, N. J., assignor to Penn Metal Corporation of Penna., Philadelphia, Pa. Latch and lock for locker doors. 2,518,141, Aug. 8.
Hilferty, Daniel J., deceased, Riverdale, W. E. Withrow, Hyattsville, Md., and D. L. Ringwalt, Washington, D. C. : E. M. Hilferty, executrix of said D. J. Hilferty. Broad band antenna. 2,511,849, June 20.
Hilferty, Ethel M., executrix : *See*—
Hilferty, Daniel J., Withrow, and Ringwalt.
Hilger & Watts Limited, assignee : *See*—
Wood, Alvert.
Hilgert, Adolph J., assignor to Johnson Service Company, Milwaukee, Wis. Reversible thermostat. 2,506,503, May 2.
Hilgert, Adolph J., assignor to Johnson Service Company, Milwaukee, Wis. Fluid pressure operated device. 2,523,213, Sept 19
Hilkemeier, Louis G. : *See*—
Devine, Bernard F., and Hilkemeier.
Hilkemeier, Louis G., assignor to Chain Belt Company, Milwaukee, Wis. Feed mechanism for rotatable drum agitating apparatus. 2,511,262, June 13.
Hilkemeier, Louis G., Greenfield, assignor to Chain Belt Company, Milwaukee, Wis. Water injection device for concrete mixers. 2,534,445, Dec. 19.
Hilker, Edward C. : *See*—
Gordon, George H., and Hilker.
Hill, Alfred C., Vernon, Tex. Griddle accessory. 2,522,175, Sept. 12.
Hill, Alvin, assignor of forty-nine per cent to M. Langway and W. M. Bonds, Los Angeles, Calif. Sanitary pillowslip and sweat guard therefor. 2,500,250, Mar. 14.
Hill, Anna, assignee : *See*—
Mason, Owen W.
Hill, Arlie D., Lakeside, Calif. Tractor steering apparatus. 2,513,868, July 4.
Hill, Benjamin F., Tulsa, Okla. Oil well valve. 2,512,744, June 27.
Hill, Bernard E., Jacksonville, Fla. Reverse clutch mechanism. 2,528,057, Oct. 31.
Hill, Bernard L. : *See*—
Proell, Wayne A., and Hill.
Hill, Burton E. : *See*—
Rockwood, Arthur C., and Hill.
Hill, Carlton, assignee : *See*—
Snyder, Leland H., and Yost.

Hill, Charles F. : *See*—
Strom, Albert P., and Hill.
Hills, Charles W. : *See*—
Snyder, Leland H., and Yost
Hill, C. V., & Company, Inc., assignee : *See*—
MacMaster, Malcolm D.
MacMaster, Malcolm D., and Smith.
Hill, Dale L., Newport Beach, Calif. Educational drawing device. 2,517,664, Aug. 8.
Hill, Edward A. : *See*—
Hedfield, Reynold T., and Hill.
Hill, Edward G. : *See*—
Ingres, Jeannot G., and Hill.
Hill, Erle G., assignor to Wheeling Steel Corporation, Wheeling, W. Va. Welded steel pipe. 2,513,240, June 27.
Hill, Ernest ; W. S. Pealer, receiver of said E. Hill, assignor to W. Holmes and T. F. O'Shaughnessy, Columbus, Ohio. Concrete mixing machine. 2,501,566, Mar. 21.
Hill, Frank A., Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Explosion gas turbine plant. 2,493,873, Jan. 10.
Hill, Frank B. : *See*—
Finlayson, Donald, and Hill.
Jackson, Thomas, and Hill.
Hill, Frank J. : *See*—
Jackson, Hugh T., and Hill.
Hill, Fred P. : *See*—
Williams, Fred B., and Hill.
Williams, Fred B., Hill, and Blinoff.
Hill, Frederick W., Rutherford, N. J., assignor to Sun Chemical Corporation. Supporting arrangement for printing press beds. 2,505,184, Apr. 25.
Hill, George B., Cheltenham, England. Sidecar for bicycles. 2,494,707, Jan. 17.
Hill, George B., Ottumwa, Iowa, assignor to Deere Manufacturing Co. Harvester with means for conversion from chopper to windrower. 2,493,918, Jan. 10.
Hill, George B., Ottumwa, assignor to Deere Manufacturing Co., Dubuque, Iowa. Rotor construction for ensilage cutters. 2,510,633, June 6.
Hill, George B., and J. R. West, Ottumwa, Iowa, assignors to Deere Manufacturing Co. Automatic baling mechanism. 2,512,896, June 27.
Hill, George B., and R. U. Zollars, Ottumwa, Iowa, assignors to Deere Manufacturing Co. Implement frame construction. 2,499,500, Mar. 7.
Hill, George B., and R. U. Zollars, Ottumwa, assignors to Deere Manufacturing Co., Dubuque, Iowa. 2,508,643, May 23.
Hill, George L., Oakland, Calif. High-voltage circuit breaker for distribution lines. 2,493,347, Jan. 3.
Hill, Gilbert, Ridgefield, and H. C. De Witt, New Providence, N. J., assignors to Carlin Comforts, Inc., New York, N. Y. Sewing machine control mechanism. 2,517,567, Aug. 8.
Hill, Gordon C., Houston, Tex. Muffler with plural perforated conical baffles. 2,512,155, June 20.
Hill, Harold S., Kenogami, and J. Edwards, Riverbend, Quebec, Canada. Mechanically curling cellulose fibers. 2,516,384, July 25.
Hill, Harold S., Lockport, N. Y. Electric heater. 2,511,848, June 20.
Hill, Harry, and S. Beckinsale, assignors to British Insulated Callender's Cables Limited, London, England. Valve for controlling the flow of molten metals. 2,517,311, Aug. 1.
Hill, Harry C., Pittsburgh, Pa. Coal heaver. 2,533,886, Dec. 12.
Hill, Hayden C., Alhambra, Calif. Wall form construction. 2,511,584, June 13.
Hill, Herbert G., Jackson, Miss. Drive for airplane wheels. 2,505,770, May 2.
Hill, J. E., assignee : *See*—
Johnston, Clark V.
Hill, J. E., and Company, assignee : *See*—
Johnston, Clark V.
Hill, James, assignee : *See*—
Mason, Owen W.
Hill, James S., Jersey City, assignor to Baker & Co., Inc., Newark, N. J. Electrical resistance wire. 2,514,765, July 11.
Hill, John A., Paicines, Calif. Combined camera, light meter, and accessory case. 2,503,485, Apr. 11.
Hill, John E., and N. C. Hill, Akron, Ohio, said J. E. Hill, assignor to said N. C. Hill. Manufacture of glue and gelatine. 2,517,487, Aug. 1.
Hill, John H., Pennsauken Township, Camden County, N. J. Electric dart board. 2,501,218, Mar. 21.
Hill, Joseph A., Newburyport, Mass. Manufacture of shoes. 2,518,547, Aug. 15.
Hill, Keith A., Rockford, Ill. Calculating device. 2,496,942, Feb. 7.
Hill, Keith A., Rockford, Ill., assignor, by mesne assignments, to Breeze Corporations, Inc., Newark, N. J. Hose clamp. 2,504,836, Apr. 18.
Hill, Leonard C., assignee : *See*—
Northrup, Weaver L.
Hill, Lloyd M. : *See*—
Walker, William A., and Hill.
Hill, Mark L. : *See*—
Smith, Herschel G., Hill, and Cantrell.

Hill, Napoleon E., assignor to L. J. Mueller Furnace Company, Milwaukee, Wis. Gas burner with adjustable flame slot and central secondary air supply. 2,526,748, Oct. 24.
Hill, Napoleon E., O. J. Ress and F. J. Nunlist, Jr., Milwaukee, Wis., assignors to L. J. Mueller Furnace Company. Gas burner and mixing tube construction. 2,510,888, June 6.
Hill, Nellie B., assignee: *See*— Johnston, Clark V.
Hill, Nikolai, Mellen, Wis. Mop holder with pivoted clamping jaw. 2,501,514, Mar. 21.
Hill, Norman C., assignee: *See*— Hill, John E., and N. C.
Hill, Oiva E.: *See*— Green, Clarence J., and Hill.
Hill, Oiva E., Worcester, assignor to Heywood-Wakefield Company, Gardner, Mass. Folding chair. 2,508,607, May 23.
Hill, Otto, Margaretville, N. Y. Basket for chicken nests. 2,512,861, June 27.
Hill, Philip: *See*— Ridgway, John A., Jr., and Hill.
Hill, Ralph H., Flint, Mich. Beverage-making apparatus. 2,507,633, May 16.
Hill, Ralph H., Flint, Mich. Restaurant equipment. 2,507,634, May 16.
Hill, Robert B., St. Albans, W. Va. Vacuum operated door lock. 2,535,574, Dec. 26.
Hill, Robert H., assignor to The Marison Company, Elgin, Ill. Sealing closure means for converters. 2,519,572, Aug. 22.
Hill, Robert M.: *See*— Harrison, Staunton R., and Hill.
Hill, Roscoe, Hamilton, Ontario, Canada, assignor to Scott & Williams, Incorporated, Laconia, N. H. Electric stop motion for double feed mechanism on knitting machines. 2,531,681, Nov. 28.
Hill, Ruth, Taft, Okla. Shoe with sectional outsole and flexible insole. 2,522,515, Sept. 19.
Hill, Stanley E.: *See*— Andrews, Norman F., Dort, Verger, Coultas, and Hill.
Hill, Stuart S., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Time based circuit for cathode-ray oscillographs. 2,533,251, Dec. 12.
Hill, Thomas A., West Orange, N. J. Self-locking and wire-protecting nut for conduits. 2,509,768, May 30.
Hill, Thomas A., West Orange, assignor, by mesne assignments, to Elastic Stop Nut Corporation of America, Union, N. J. Coupling. 2,533,885, Dec. 12.
Hill, Thomas C., Baltimore, assignor to The Glenn L. Martin Company, Middle River, Md. Four-way, slide, selector valve. 2,531,511, Nov. 28.
Hill, Thomas C., Parkville, assignor to The Glenn L. Martin Company, Middle River, Md. Aircraft booster control system. 2,530,659, Nov. 21.
Hill, Thomas G., Round Bay, Md. Fish lure. 2,494,093, Jan. 10.
Hill, Troy D., Shreveport, La., assignor to The Figaro Company, Inc., Dallas, Tex. Curing meat and to processes for producing the curing means. 2,532,842, Dec. 5.
Hill, Vaughn H., assignor to Motor Wheel Corporation, Lansing, Mich. Vaporizing oil burner. 2,535,923, Dec. 26.
Hill, Violet K., Summit, N. J. Window curtain. 2,500,074, Mar. 7.
Hill, Walter E.: *See*— Besag, Ernst, Hill, and Wintle.
Hill, Walter E., Streetly, and T. D. G. Wintle, Walsall, assignors to J. A. Crabtree & Co. Ltd., Lincoln Works, Walsall, England. Electric cartridge fuse holder. 2,526,947, Oct. 24.
Hill, Walter P., Detroit, assignor to Calumet and Hecla Consolidated Copper Company, Calumet, Mich. Forming integral fins on tubing. 2,508,517, May 23.
Hill, Walter P., Detroit, assignor to Calumet and Hecla Consolidated Copper Company, Calumet, Mich. Apparatus for forming integral fins on a length of stock. 2,508,518, May 23.
Hill, Wendell T., Eagle Rock, Calif. Telephone supporting base stand index cabinet. 2,522,361, Sept. 12.
Hill, William C., Detroit, Mich. Bicycle pedal adapter. 2,533,011, Dec. 5.
Hill, William H., Birmingham, England. Operating mechanism for change speed gears. 2,520,209, Aug. 29.
Hill, William H., Mount Lebanon, assignor to Koppers Company, Inc., Pittsburgh, Pa. Antifouling paints and compositions of matter. 2,521,720, Sept. 12.
Hill, William H., assignor to Koppers Company, Inc., Pittsburgh, Pa. Preparation of guanidine salts. 2,524,054, Oct. 3.
Hill, William H., assignor to Koppers Company, Inc., Pittsburgh, Pa. Production of organomercury perthiocyanates. 2,526,356, Oct. 17.
Hillard, Thomas K., Oakland, Calif. Toy vehicle. 2,502,843, Apr. 4.
Hiller, Everett O., assignor to Hartford-Empire Company, Hartford, Conn. Apparatus for and method of drying containers. 2,500,075, Mar. 7.
Hiller, Fritz E.: *See*— Jensen, Harry T., and Hiller.
Hiller, Stanley, Jr., Menlo Park, and H. H. Sigler, San Carlos, assignors to United Helicopters, Inc., Palo Alto, Calif. Rotary wing aircraft. 2,534,353, Dec. 19.
Hillery, Mariana, U. S. Navy. Adjustable cable clamp. 2,526,661, Oct. 24.
Hilliard, Alfred: *See*— Pirani, Marcello, and Hilliard.
Hilliard, Mack C., Larchmont, and T. E. Carroll, New York, N. Y. Vehicular roof door device. 2,499,749, Mar. 7.
Hillier, James, Cranbury, N. J., assignor to Radio Corporation of America. Method and apparatus for electronically determining particle size distribution. 2,494,441, Jan. 10.
Hillier, James, Cranbury, N. J., assignor to Radio Corporation of America. Positioning the specimen stage of optical apparatus. 2,496,051, Jan. 31.
Hillgren, Carl A., assignee: *See*— Seaholm, Nels H.
Hillgren, Carl A., Los Angeles, Calif. Lock. 2,533,582, Dec. 12.
Hillis, John H.: *See*— Stephenson, John O., and Hillis.
Hillman, Conway D., East Orange, assignor to Keuffel & Esser Company, Hoboken, N. J. Transit vertical circle reading device. 2,498,273, Feb. 21.
Hillman, Harold D.: *See*— Browne, Herbert A., and Hillman.
Hillman, Leon: *See*— Craig, Leo S., and Hillman.
Hillmer, Herman H., Omaha, Nebr., assignor to Better Packages Incorporated. Adhesive tape dispenser. 2,509,641, May 30.
Hills, Claude H., Philadelphia, Pa., assignor to the United States of America as represented by the Secretary of Agriculture. Preparing calcium firmed frozen apple slices. 2,531,431, Nov. 28.
Hills, Claude H., Philadelphia, Pa., assignor to the United States of America as represented by the Secretary of Agriculture. Firming fruit and vegetable slices. 2,534,263, Dec. 19.
Hills, Douglas S.: *See*— Clack, Basil N., and Hills.
Hills, Elmer G., Chicago, Ill., assignor to Belmont Radio Corporation. Signal-seeking tuner. 2,499,584, Mar. 7.
Hills, Elmer G., assignor, by mesne assignments, to Belmont Radio Corporation, Chicago, Ill. Self-tuning filter circuit. 2,503,046, Apr. 4.
Hills, Elmer G., and J. A. Rankin, assignors, by mesne assignments, to Belmont Radio Corporation, Chicago, Ill. Dipole antenna system. 2,505,115, Apr. 25.
Hills, Elsie E., Sea Bright, N. J. Collapsible baby crib. 2,528,749, Nov. 7.
Hills, George S., administrator: *See*— Wallach, Roger N., and Zender.
Hills, Joseph A., Dayton, Ohio. Welding rod holder. 2,504,837, Apr. 18.
Hills, Robert C., and M. F. Dufour, Nicaro, Cuba, assignors to Nicaro Nickel Company, New York, N. Y. Recovery of nickel and cobalt compounds. 2,531,336, Nov. 21.
Hilpert, Meier G., Bethlehem, Pa. Panel building construction. 2,497,887, Feb. 21.
Hilton, Albert: *See*— Goldsmith, Hugo, and Hilton.
Hilton, Earl J., Chicago, Ill., assignor of one-third to W. S. Stone. Method and machine for making invoices or charge tickets. 2,515,124, July 11.
Hilton, Grover C., Hutchinson, Kans. Combined bottle shipping and display device. 2,505,399, Apr. 25.
Hilton, John L., Boreham, assignor to Hoffmann Tweedales Limited, Chelmsford, England. Roller-bearing spindle. 2,514,157, July 4.
Hillyer, John C.: *See*— Schulze, Walter A., and Hillyer.
Himel, Chester M., Bartlesville, Okla., assignor to Phillips Petroleum Company. Desulfurization by treatment with elemental halogens. 2,503,486, Apr. 11.
Himel, Chester M., Bartlesville, Okla., assignor to Phillips Petroleum Company. Production of chloronitro compounds. 2,511,915, June 20.
Himel, Chester M., Bartlesville, Okla., assignor to Phillips Petroleum Company. Production of esters. 2,525,353, Oct. 10.
Himel, Chester M., Bartlesville, Okla., assignor to Phillips Petroleum Company. Treating textiles with half-acid amide derivatives. 2,526,948, Oct. 24.
Himel, Chester M., and L. O. Edmonds, Bartlesville, Okla., assignors to Phillips Petroleum Company. Production of sulfenamides. 2,520,400, Aug. 29.
Himel, Chester M., Palo Alto, Calif., and L. O. Edmonds, Bartlesville, Okla., assignors to Phillips Petroleum Company. Production of thiosulfenamides. 2,520,401, Aug. 29.
Himel, Chester M., and L. O. Edmonds, Bartlesville, Okla., assignors to Phillips Petroleum Company. Adhesive composition for air filters and preparing same. 2,524,315, Oct. 3.
Himmel, Leon, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Beacon system. 2,509,230, May 30.
Himmel, Leon, Montclair, N. J., assignor to Federal Telecommunication Laboratories, Inc., New York, N. Y. Broad band antenna system. 2,531,432, Nov. 28.

Himmel, Loran B., and R. V. Bush, Des Moines, Iowa, assignors, by mesne assignments, to R. M. Carrell. Treatment of coffee, etc. 2,497,501, Feb. 14.

Himmel, Robert N.: *See*—
Howard, Robert R., and Himmel.

Himmelman, Louis F., Teaneck, N. J. Electric welding torch. 2,514,060, July 4.

Himmelright, Robert J., assignee: *See*—
Simpson, Robert F., and Schoner.

Hinch, William H.: *See*—
Molloy, Everett W., and Hinch.

Hinchman, Alva K., Bryn Mawr, Pa. Nozzle and tip for burning and welding torches. 2,517,877, Aug. 8.

Hincke, William B., Kingsport, Tenn., and C. J. Malm, assignors to Eastman Kodak Company, Rochester, N. Y. Manufacture of organic acid esters of cellulose. 2,521,916, Sept. 12.

Hinckley, Harold A., and R. C. Hawkins, Long Beach, Calif. Circumcision instrument. 2,533,373, Dec. 12.

Hinckley, John N., Belmont, Mass. Rotary internal-combustion engine. 2,500,458, Mar. 14.

Hinckley, John N., Belmont, Mass. Pump. 2,533,252, Dec. 12.

Hincks, William J., Norwood, Manitoba, assignor to Canada Packers Limited, St. Boniface, Manitoba, Canada. Tail-hide stripping assembly. 2,496,394, Feb. 7.

Hincks, William J., Norwood, Manitoba, assignor to Canada Packers Limited, St. Boniface, Manitoba, Canada. Weasand separator. 2,505,964, May 2.

Hindall, Alva L.: *See*—
Daily, Robert A., Hindall, Mahoney, Miller, and Bish.

Hinde & Dauch Paper Company, The, assignee: *See*—
Loth, Gaylord.

Hinde, Robert M.: *See*—
Forrester, William F., Hinde, and Szigeti.

Hindermann, Peter, assignor to J. R. Geigy A. G., Basel, Switzerland. Asymmetric azo dyestuffs of the pyrazolone series and making same. 2,505,244, Apr. 25.

Hindermann, Peter, assignor to J. R. Geigy A. G., Basel, Switzerland. Polyazo dyestuffs of the pyrazolone series and making same. 2,517,312, Aug. 1.

Hindermann, Peter, Basel, W. Bossard, and A. Krebser, Riehen, assignors to J. R. Geigy A. G., Basel, Switzerland. Polyazo dyestuffs. 2,535,416, Dec. 26.

Hindle, Walter H., Allentown, Pa., assignor to Celanese Corporation of America. Dyeing organic acid ester of cellulose textile materials with an aqueous solution of a normally acid-fading dyestuff, lower aliphatic alcohol, thiocyanate, and alkali metal hydroxide. 2,495,810, Jan. 31.

Hindmarch, Thomas, London, England. Hydraulic clutch. 2,510,225, June 6.

Hindmarch, Thomas, London, England. Power transmission mechanism. 2,518,781, Aug. 15.

Hinds, Reinhard P. H., Chislehurst, England. Electric switch. 2,496,092, Jan. 31.

Hinds, Cyril, New Orleans, La. Fastener for doors. 2,505,400, Apr. 25.

Hine, Robert T., Johnson City, Tenn. Flush mounted pencil clip. 2,516,629, July 25.

Hinegardner, Wilbie S., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilization of tetrahydrofuran. 2,525,410, Oct. 10.

Hineline, Harris D.: *See*—
Young, David W., and Hineline.

Hineline, Edson S., assignor to Graflex, Inc., Rochester, N. Y. Removably mounted camera lens cone. 2,502,402, Mar. 28.

Hines, Benjamin M., assignee: *See*—
Ray, Henry.

Hines, Eldridge D., Carlsbad, N. Mex. Traffic signal for vehicles. 2,503,336, Apr. 11.

Hines, Francis W., Oklahoma City, Okla. Armrest for automobiles. 2,524,909, Oct. 10.

Hines Flask Co., The, assignee: *See*—
Hines, Russell J.

Hines, Frank T., Jr., Westwood Village, Calif. Pocket radio. 2,508,918, May 23.

Hines, John, South Norwalk, Conn., assignor, by mesne assignments, to Reconstruction Finance Corporation, New York, N. Y. Door check and closer. 2,498,758, Feb. 28.

Hines, Russell J., Lakewood, assignor to The Hines Flask Co., Cleveland, Ohio. Mold jacket. 2,507,158, May 9.

Hines, W. B., Research and Development Corporation, assignee: *See*—
Hines, Willis B.

Hines, William J., San Francisco, Calif. Violin pad. 2,524,526, Oct. 3.

Hines, Willis B., assignor to W. B. Hines Research and Development Corporation, Canton, Ohio. Portable folding seat. 2,528,433, Oct. 31.

Hingerty, Mills H., Jr., Eclipse, Va. Marine thrust bearing assembly. 2,521,368, Sept. 5.

Hings, Donald L., Ottawa, Ontario, Canada, assignor, by mesne assignments, to Cornell-Dubilier Electric Corporation, South Plainfield, N. J. Pulse reception system. 2,532,450, Dec. 5.

Hings, Donald L., Ottawa, Ontario, Canada, assignor, by mesne assignments, to Cornell-Dubilier Electric Corporation, South Plainfield, N. J. High-speed pulse reception system. 2,532,667, Dec. 5.

Hings, Donald L., Ottawa, Ontario, Canada, assignor, by mesne assignments, to Cornell-Dubilier Electric Corporation, South Plainfield, N. J. Selective amplifier. 2,533,802, Dec. 12.

Hings, Donald L., Ottawa, Ontario, Canada, assignor, by mesne assignments, to Cornell-Dubilier Electric Corporation, South Plainfield, N. J. Audio controlled limiter. 2,533,803, Dec. 12.

Hings, Donald L., Vancouver, British Columbia, Canada, assignor, by mesne assignments, to Cornell-Dubilier Electric Corporation, South Plainfield, N. J. Radio-frequency inverter relay circuit. 2,532,451, Dec. 5.

Hinkel, Lester H.: *See*—
Borgerd, William F., Palmer, and Hinkel.

Hinkle, Paul S., and R. A. Hammer, Detroit, Mich. Tethered ring toy. 2,506,453, May 2.

Hinkley, Henry R., Lebanon, assignor to NoMend Hosiery, Inc., Philadelphia, Pa. Stocking. 2,494,174, Jan. 10.

Hinkson, Edgar L., assignor to The General Detroit Corporation, Detroit, Mich. Swivel joint. 2,518,318, Aug. 8.

Hinman, Donald D., Cleveland Heights, Ohio, assignor to General Electric Company. Starting arrangement for electric discharge devices. 2,523,021, Sept. 19.

Hinrichs, Ferdinand, assignor to Tri-Clover Machine Co., Kenosha, Wis. Relief valve. 2,521,166, Sept. 5.

Hinsdale, Clare L., Girard, Ohio. Rack for phonograph records. 2,499,220, Feb. 28.

Hinsdale, Clare L., Girard, Ohio. Phonograph record rack. 2,499,221, Feb. 28.

Hinsdale, G. S., assignee: *See*—
Honeyman, Arthur A.

Hinsen, Ralph C., Englewood, Colo. Whirling sounding toy. 2,525,221, Oct. 10.

Hinson, Jay B., Hartsdale, N. Y. Extinguisher. 2,520,767, Aug. 29.

Hintersteiner, Marguerite H., New York, N. Y. Ornamental screen. 2,528,829, Nov. 7.

Hinton, Olar T., Jr.: *See*—
Davis, Edwin L., and Hinton, Jr.

Hinz, Elmer E., Zumbrota, Minn. Barn cleaner. 2,509,097, May 23.

Hinz, Henry C., Jr., G. R. Schermerhorn, Sr., and F. L. Dorn, Rochester, assignors, by mesne assignments, to American Home Foods, Inc., New York, N. Y. Dry pudding compositions and preparing the same. 2,500,179, Mar. 14.

Hinz, Louis: *See*—

Hipp, E. W., assignee: *See*—
Benedict, Fremont W.
Hatch, Park, Hinz, and King.

Hipp, Primus T., La Grange, Ga. Loom harness lifter. 2,532,496, Dec. 5.

Hipp, William J., Rochester, N. Y., assignor to Vickers Incorporated, Detroit, Mich. Power transmission. 2,518,782, Aug. 15.

Hipple, John A., Jr., Chevy Chase, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control scheme for mass spectrometers. 2,508,163, May 16.

Hipple, John A., Jr., Verona, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Logarithmic amplifier. 2,496,723, Feb. 7.

Hipps, Herbert E., Waco, Tex., and E. J. Kupjack, Park Ridge, Ill. Bone meal extractor. 2,526,662, Oct. 24.

Hires, Charles E., Company, The, assignee: *See*—
Elkins, Vance V.

Hirsch, Charles, South Bend, Ind., assignor to American Wheelabrator & Equipment Corporation. Machine for washing annular articles. 2,493,291, Jan. 3.

Hirsch, Charles, South Bend, Ind., assignor to American Wheelabrator & Equipment Corporation. Fluid drainage means for washing and rinsing machines. 2,508,999, May 23.

Hirsch, Charles J., Douglaston, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill. Electric motor follow-up control system. 2,526,233, Oct. 17.

Hirsch, Edgar M., New York, N. Y. Hidden container lock. 2,494,942, Jan. 17.

Hirsch, George B.: *See*—
Bennett, Arthur F., Hirsch, and Gigger.

Hirsch, George B., Providence, R. I., assignor to Willcox & Gibbs Sewing Machine Company, New York, N. Y. Bobbin case removing and replacing mechanisms for sewing machines. 2,507,470, May 9.

Hirsch, Morris, assignee: *See*—
Travis, Pierce M.

Hirsch, Theodore, Detroit, Mich. Wrist band. 2,530,964, Nov. 21.

Hirschfelder, Joseph O., Madison, Wis., assignor to the United States of America as represented by the Secretary of War. Preventing excessive combustion pressure in rocket motors. 2,497,888, Feb. 21.

Hirschhorn, Hilmer, Hillside, N. J., assignor to Snyder & Black, New York, N. Y. Changeable display device. 2,509,059, May 23.

Hirschhorn, Sidney H., Paterson, N. J. Centric relator. 2,534,023, Dec. 12.

Hirschler, Alfred E., Drexel Hill, assignor to Sun Oil Company, Philadelphia, Pa. Separation of hydrocarbons. 2,514,580, July 11.

Hirschler, Alfred E., Drexel Hill, assignor to Sun Oil Company, Philadelphia, Pa. Separation of aromatic hydrocarbons. 2,518,236, Aug. 8.

Hirschler, Alfred E., Drexel Hill, assignor to Sun Oil Company, Philadelphia, Pa. Separation of normal paraffins. 2,530,300, Nov. 14.
Hirschler, Alfred E., Drexel Hill, assignor to Sun Oil Company, Philadelphia, Pa. Purification of branched chain paraffins. 2,532,668, Dec. 5.
Hirschy, Charles, assignor to Advance Metal Products Company, Los Angeles, Calif. Cord lock. 2,494,759, Jan. 17.
Hirsh, Benjamin W., Welwyn Garden City, and C. Carter, Liverpool, England, assignors to Imperial Chemical Industries Limited. Electrolytic cells of the liquid electrode type. 2,503,337, Apr. 11.
Hirsh, Donald H.: *See*—
Hoaglin, Raymond I., and Hirsh.
Hirsh, Philip R., Montclair, assignor to Lock Joint Pipe Company, East Orange, N. J. Method for winding. 2,498,681, Feb. 28.
Hirsh, Philip R., Montclair, assignor to Lock Joint Pipe Company, East Orange, N. J. Wire-wrapping machine. 2,520,402, Aug. 29.
Hirsh, Philip R., Montclair, assignor to Lock Joint Pipe Company, East Orange, N. J. Wire-wrapping machine. 2,520,403, Aug. 29.
Hirst, Archie J., assignor to Metalastik Limited, Leicester, England. Resilient mounting. 2,509,769, May 30.
Hirst, Walter, Cranston, R. I. Cam for shovels. 2,497,771, Feb. 14.
Hirt, Rudolf: *See*—
Martin, Henry, Gysin, Neracher, and Hirt.
Hirt, Rudolf, Muri, near Berne, assignor to Dr. A. Wander A. G., Berne, Switzerland. Di-n-butylamino malonic acid-ethyl-diethylaminoethyl ester. 2,494,875, Jan. 17.
Hirt, Rudolf, Muri, near Berne, assignor to Dr. A. Wander A.-G., Berne, Switzerland. Manufacture of 4-aminobenzal-thiosemicarbazone. 2,530,430, Nov. 21.
Hirtensteiner, W. Earl: *See*—
Morlan, George S.
Hiscock, Earle F., Arlington, Va. Parachute construction. 2,511,263, June 13.
Hise, Herbert, Chicago, and J. B. Cousineau, Oak Park, Ill., said Cousineau assignor to said Hise. Multiple adjustment for stringed musical instruments. 2,531,569, Nov. 28.
Hise, Herbert M., Chicago, Ill. Stringed musical instrument. 2,519,044, Aug. 15.
Hise, Orbria L., assignee: *See*—
Frisk, Joseph.
Hiser, Noble M., Tuscon, Ariz. Folding table legs with actuator mechanism. 2,518,783, Aug. 15.
Hiskey, Clarence F.: *See*—
Ahlberg, Jacob E., and Hiskey.
Hissong, John R., Chicago, Ill., assignor to Radium Chemical Company, Inc., New York, N. Y. Eye applicator. 2,517,568, Aug. 8.
Hitchcock, Arthur B., New Britain Conn. Blade holder. 2,526,867, Oct. 24.
Hitchcock, Forest B.: *See*—
Preston, Neil D., and Hitchcock.
Hitchcock, Rex B., Evanston, Ill., assignor to International Harvester Company. Tractor mower hitch. 2,533,804, Dec. 12.
Hitchings, George H., assignor to Burroughs Wellcome & Co. (U. S. A.) Inc., Tuckahoe, N. Y. Aminopurine lactates. 2,506,786, May 9.
Hitchings, John B., assignee: *See*—
Gray, Everett J.
Hitchings, John B., Long Beach, Calif. Card index. 2,505,116, Apr. 25.
Hite, Alonzo R., Mattoon, Ill. Tool. 2,497,170, Feb. 14.
Hite, Walter A., assignee: *See*—
Morlan, George S.
Hitt, Ira V.: *See*—
Conaway, Rollin F., and Hitt.
Hittl, Anton E., Buffalo, N. Y., assignor to The Linde Air Products Company. Apparatus and method for filling gas storage cylinders. 2,530,523, Nov. 21.
Hitzeman, Harry H., assignee: *See*—
Kay, John F.
Hivac Limited, assignee: *See*—
Diggle, Harry.
Goulding, Francis A.
Hi-Voltage Equipment Company, assignee: *See*—
Seaman, Harold E., and Hart.
Hixson, Arthur W., Leonia, N. J., and R. Miller, New York, N. Y., assignors to The Chemical Foundation, Incorporated. Concentration of vitamin E. 2,508,387, May 23.
Hjelm, Alfred, Seattle, Wash. Steam bath cabinet. 2,526,357, Oct. 17.
Hjelm, Sture E. J., Stockholm, Sweden. Toy automatic spring pistol. 2,527,254, Oct. 24.
Hjermstad, Erling T.: *See*—
Kesler, Carl C., and Hjermstad.
Hlavin, William S., Cleveland, Ohio. Liquid treating device. 2,530,524, Nov. 21.
Hoag, Oliver, Garden City, N. Y., assignor to The Sperry Corporation. Voltage-regulated power supply. 2,511,850, June 20.
Hoag, Roderick W., Melrose, Mass. Shaker dispenser. 2,499,313, Feb. 28.
Hoag, Roderick W., Melrose, Mass. Method and device for filling and closing packets. 2,523,431, Sept. 26.
Hoag, Yates M., Utica, N. Y. Antidrip device. 2,517,205, Aug. 1.
Hoaglin, Raymond I., and D. H. Hirsh, Charleston, W. Va., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Making sorbic acid esters. 2,531,512, Nov. 28
Hoak, Richard D., Mount Lebanon Township, Allegheny County, assignor to Mellon Institute of Industrial Research, Pittsburgh, Pa. Manufacturing ammonium salts and magnetic iron oxide from solutions of ferrous salts. 2,529,874, Nov. 14.
Hoar, Roger S., assignee: *See*—
Pennington, Neal A.
Hoar, Roger S., and J. A. Thierry, assignors to Bucyrus-Erie Company, South Milwaukee, Wis. Differential cylinder-piston assembly. 2,505,771, May 2.
Hoare, Robert G.: *See*—
Neilson, Christopher B. V., and Hoare.
Hobar Co., Inc., The, assignee: *See*—
Baril, Samuel J.
Hobart Brothers Company, The, assignee: *See*—
Hobart, Edward A.
Hobart, Edward A., assignor to The Hobart Brothers Company, Troy, Ohio. Electric control switch. 2,506,787, May 9.
Hobart-Federal Engineering Corporation, assignee: *See*—
Jackson, Aldrich L.
Hobart Manufacturing Company, The, assignee: *See*—
Canady, Don.
Hetherington, Harry R.
Hobbs, Charles B., assignor to U. S. Manufacturing Corporation, Decatur, Ill. Holder for wienerwursts, frankfurters, and other similarly shaped food products. 2,514,281, July 4.
Hobbs, Clarence L., St. Louis, Mo. Device for aid in drilling ophthalmic lenses. 2,535,633, Dec. 26.
Hobbs, Frank, assignor to Research Holdings, Inc., Seattle, Wash. Laminating walls. 2,531,128, Nov. 21.
Hobbs, Howard F., assignor to Hobbs Transmission Limited, Leamington Spa, England. Lubricated friction clutch. 2,498,123, Feb. 21.
Hobbs, Howard F., Leamington Spa, assignor to Hobbs Transmission Limited, London, England. Power transmission apparatus. 2,509,820, May 30.
Hobbs, Howard F., Leamington Spa, assignor to Hobbs Transmission Limited, London, England. Power transmission apparatus. 2,524,975, Oct. 10.
Hobbs, Howard F., assignor to Hobbs Transmission Limited, Leamington Spa, England. Power transmission apparatus. 2,527,727, Oct. 31.
Hobbs, Howard F., assignor to Hobbs Transmission Limited, Leamington Spa, England. Transmission. 2,530,200, Nov. 14.
Hobbs, Howard F., Leamington Spa, England, assignor to Hobbs Transmission Limited. Power transmission apparatus. 2,535,924, Dec. 26.
Hobbs, James C., Coral Gables, Fla. Valve construction. Re 23,272, Sept 26
Hobbs, James C., Painesville, Ohio. Gate valve. 2,520,364, 2,520,364, Aug 29.
Hobbs, James M., West Durham, N. C. Electrical ball game apparatus. 2,531,979, Nov. 28.
Hobbs, John R., Ben Wheeler, Tex. Potato digger. 2,519,761, Aug. 22.
Hobbs Manufacturing Company, assignee: *See*—
Grilley, Edmund S.
Hobbs, Marmaduke A., South Bend, Ind., assignor to Aluminum Company of America, Pittsburgh, Pa. Enhancing physical properties of aluminum base alloys containing zinc and magnesium. 2,506,788, May 9.
Hobbs Transmission Limited, assignee: *See*—
Hobbs, Howard F.
Hobday, Cyril, Otley, and F. L. Goodall, Burley-in-Wharfedale, assignors to The Geigy Company Limited, Manchester, England. Pigment emulsions and the manufacture thereof. 2,494,810, Jan. 17.
Hobe, Edward T., Sr., Erie, Mich. Paint applicator. 2,528,657, Nov. 7.
Hobelmann, Alfred H., Chevy Chase, Md., assignor to Specialties Development Corporation, Bloomfield, N. J. Detection of suspended matter in gases. 2,510,977, June 13.
Hoblick, Benjamin M., Fresno, assignor to Blake, Moffit & Towne, San Francisco, Calif. Ventilated fruit cushion. 2,500,412, Mar. 14.
Hobson, Elmer B., Wichita, Kans. Rotary scraping tool for meat blocks or the like. 2,497,941, Feb. 21.
Hobson, Robert R., Erie, Pa., assignor to General Electric Company. Freezing tray. 2,509,000, May 23.
Hoch, Donald A. Lemoyne, Pa. Wallpaper removing device. 2,496,794, Feb. 7.
Hoch, Robert G., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Limit control apparatus. 2,535,133, Dec. 26.
Hochbaum, Norman, New York, N. Y. Panty. 2,534,024, Dec. 12.
Hochberg, Seymore, Upper Darby, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Steam spraying. 2,511,797, June 13.
Hochgraf, Lester: *See*—
Edson, Robert C., and Hochgraf.

Hochgraf, Lester, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Filter connecting telephone transmitter to power line during calls. 2,516,211, July 25.

Hochgraf, Lester, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Testing circuit for carrier communication system with automatic reset timer. 2,520,007, Aug. 22.

Hochmuth, Frank W., New York, N. Y., assignor to Combustion Engineering-Superheater, Inc. Chemical condenser and recovery unit. 2,516,992, Aug. 1.

Hochmuth, William H.: *See*—
Thomas, Rosetta J., and Hochmuth.

Hochstein, Harold B., Mount Kisco, assignor of one-fourth to I. Schwartz, Brooklyn, N. Y. Megaphone formed of bendable material. 2,517,665, Aug. 8.

Hock, Alfred L.: *See*—
Blythe, Harold J., and Hock.

Hockery, John C., assignee: *See*—
Howell, Harry H.

Hockery, John C., trustee, assignee: *See*—
McLean, Robert E.

Hockery, John C., assignee, trustee: *See*—
Scott, Robert J.

Hocking, Lothar N.: *See*—
Heron, John A., Shaw, and Hocking.

Hodel, Ernst, Birsfelden near Basel, and H. Gysin, assignors to J. R. Geigy A. G., Basel, Switzerland. Production of 1, 10-phenanthroline. 2,535,417, Dec. 26.

Hoder, Frank J., Jr., assignor to Marine Products Company, Detroit, Mich. Adapter for vehicle-mounted machines. 2,494,175, Jan. 10.

Hoder, Joseph E., Philadelphia, Pa. Collapsible automobile tray. 2,509,060, May 23.

Hodgdon, Frank B., Salt Lake City, Utah, assignor to Western Electric Company, Incorporated, New York, N. Y. Dielectric material. 2,501,868, Mar. 28.

Hodge, Edward B., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Process for preparing pure, crystalline penicillin salts. 2,520,098, Aug. 22.

Hodge, Edward B., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Refining penicillin X potassium salt. 2,520,099, Aug. 22.

Hodge, Howard M., Linthicum Heights, Md., assignor to U. S. Industrial Chemicals, Inc., New York, N. Y. Production of lactic acid esters. 2,519,906, Aug. 22.

Hodge, Joint V.: *See*—
Hodge, Theodore T., and J. V.

Hodge, Theodore T., Manteca, assignor to L. O. Kern, Modesto, Calif.; as trustee for J. V. Hodge. Transmission. 2,516,385, July 25.

Hodges, Howard T., assignor to Eastman Kodak Company, Rochester, N. Y. Camera shutter trigger latch and stop. 2,500,034, Mar. 7.

Hodges, Howard T., assignor to Eastman Kodak Company, Rochester, N. Y. Shutter actuator. 2,503,736, Apr. 11.

Hodges, Howard T., assignor to Eastman Kodak Company, Rochester, N. Y. Two-blade shutter-leaf control. 2,525,549, Oct. 10.

Hodges, Lloyd J., Julesburg, Colo. Grain elevator. 2,524,169, Oct. 3.

Hodges, Paul C.: *See*—
Morgan, Russell H., and Hodges.

Hodges, Ralph, Belleville, Ill., and J. H. Klasey, assignors to Carter Carburetor Corporation, St. Louis, Mo. Electric operator for overload clutches. 2,517,108, Aug. 1.

Hodges, Ralph T., Sr., Bristol, Tenn. License holder for rearview automobile mirrors. 2,535,575, Dec. 26.

Hodges, Ralph T., Sr., Bristol, Tenn. License holder for motor vehicles. 2,535,576, Dec. 26.

Hodges Research and Development Company, assignee: *See*—
Hodges, William C.

Hodges, Russell C., assignee: *See*—
Rudolf, James A.

Hodges, William C., Redwood City, assignor to Hodges Research and Development Company, San Francisco, Calif. Transfer mechanism. 2,512,798, June 27.

Hodgkins, Charles E., Allston, assignor to L. L. Witter, Boston, Mass. Wall tool chest. 2,503,737, Apr. 11.

Hodgkins, Chester, Hartford, Conn. Fluid injecting device. 2,507,596, May 16.

Hodgson, Howard E., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Limit switch. 2,519,907, Aug. 22.

Hodgson, James E., Marietta, Pa. Device for opening containers. 2,528,364, Oct. 31.

Hodnett, Ernest M.: *See*—
McBee, Earl T., and Hodnett.

Hodsdon, Floyd G., Milwaukee, Wis., assignor to International Harvester Company. Vacuum tank drain valve. 2,496,470, Feb. 7.

Hodson, George F., Allus, Okla., and L. L. Campbell, Riverdale, Ill., assignors to Wilson & Company, Inc. Egg cutting device. 2,523,301, Sept. 26.

Hodson, Layne O., Layton, and B. W. Wilson, Salt Lake City, Utah. Bobby pin with expander. 2,510,821, June 6.

Hodson, William T., Brooklyn, assignor of fifty per cent to C. Podansky, Bronx, N. Y. Justification indicator. 2,509,924, May 30.

Hoe, R. & Co. Inc., assignee: *See*—
Albrecht, Alexander J.
Bennison, William E.
Goodwin, Edwin W.
Huck, William F.
Stempel, Laszlo M.
Stobb, Anton.
Toft, Norman P.
Turrall, George.
Wieking, William C.
Zuckerman, Adolph M.

Hoeber, Barbara O. W., executor: *See*—
Hoeber, Harold.

Hoeber, Harold, South Dartmouth, B. O. W. Hoeber and W. T. Read as executors of said H. Hoeber, deceased, assignors, by mesne assignments, to Hoosac Mills Corporation, Boston, Mass. Protection rod spring. 2,493,821, Jan. 10.

Hoecker, Wesley H., and B. W. Hammer, Orinda, assignors to Golden State Company, Ltd., San Francisco, Calif. Concentrated milk food product and preparing same. 2,501,445, Mar. 21.

Hoefer, Harrison B., Milwaukee, Wis. Pumping control system. 2,527,728, Oct. 31.

Hoefer, Howard: *See*—
Rolf, Elmer A., and Hoefer.

Hoeffleur, Arthur V., assignor to Conveyor Systems, Inc., Chicago, Ill. Bearing. 2,530,660, Nov. 21.

Hoefler, Raymond H.: *See*—
Sherer, Chester G., Koontz, and Hoefler.

Hoegberg, Erick I.: *See*—
Cassaday, Jack T., Hoegberg, and Gleissner.

Hoegberg, Erick I., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Organic phosphate esters and preparation. 2,494,126, Jan. 10.

Hoehn, Harvey H., Hockessin, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymeric polyamines. 2,495,255, Jan. 24.

Hoehn, Harvey H., Hockessin, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Wax and polymeric polyketone compositions and articles coated therewith. 2,495,285, Jan. 24.

Hoehn, John J., and A. G. Zimmerman, Indianapolis, Ind., assignors to Radio Corporation of America. Dual idler phonograph drive. 2,530,820, Nov. 21.

Hoehn, Vincent H., South Bend, assignor to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Laminated tacking strip and frame. 2,531,271, Nov. 21.

Hoehn, Willard M., assignor to George A. Breon & Company, Kansas City, Mo. 2-(p-nitrobenzenesulfonamido)-thiazole retention enema. 2,508,388, May 23.

Hoekstra, James, assignor to Universal Oil Products Company, Chicago, Ill. Isomerization process. 2,502,565, Apr. 4

Hoekstra, James, assignor to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbons with silica-alumina catalyst. 2,506,923, May 9.

Hoekstra, James, assignor to Universal Oil Products Company, Chicago, Ill. Preparation of inorganic oxide particles. 2,532,497, Dec. 5.

Hoelscher, William G., assignor to The American Tool Works Company, Cincinnati, Ohio. Lubrication of the ways and aprons of lathes. 2,505,737, Apr. 25.

Hoeltzel, Orval R., W. S. Saville, and J. W. Larson, Fort Worth, Tex., assignors to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Insulating pad. 2,495,636, Jan. 24

Hoelzel, Omar F., Portsmouth, Va. Rotary boiler handhole seat scraper. 2,495,256, Jan. 24.

Hoenie, Norman J.: *See*
Landis, George G., and Hoenie.

Hoenig, Sallie New York, N. Y. Combination undergarment. 2,496,348, Feb. 7.

Hoeppe, Julien, assignor to L'Outillage Rotax, Paris, France. Hole-drifting and-tube-expanding tool. 2,526,025, Oct. 17

Hoeppner, Conrad H.: *See*—
Smith, Carl H., Jr., and Hoeppner.

Hoeppner, Conrad H., Essex, Md. Frequency modulation of negative transconductance oscillators. 2,510,111, June 6

Hoeppner, Conrad H., Washington, D. C. Secondary emission circuit for amplitude discrimination. 2,520,932, Sept. 5.

Hoeppner, Conrad H., Washington, D. C. Pulse width discriminator. 2,531,261, Dec. 19.

Hoerig, Clifford, Hempstead, N. Y. Weight flush tank valve. 2,514,062, July 4.

Hoern, Joseph H., Birmingham, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio. Construction of composite metal article. 2,513,939, July 4

Hoesel, Anthony F., assignor, by mesne assignments, to A. Wittlin, Chicago, Ill. Externally adjustable tubular fluid flow restrictor for refrigeration systems. 2,532,452, Dec. 5.

Hoey, John E.: *See*
Brustolon, George B., and Hoey.

Hofer, David G., Berkeley, Calif. Pump control system for suction dredges. 2,516,386, July 25.

Hofer, Kurt: *See*
Flugel, Walter, Hemmi, Hofer, and Mikula.

Hofer Lawrence J. E.: *See*
Cohn, Ernst M., and Hofer.

Hoff, Carlton L., York, Pa. Motor vehicle drive. 2,495,101, Jan. 17.
Hoff, Joseph F., West Allis, Wis. Tent. 2,527,729, Oct. 31.
Hoff, Melvern C. : *See*—
Hearne, George W., Yale, and Hoff.
Hoffer, James F., Detroit, assignor to Superdraulic Corporation, Dearborn, Mich. Variable delivery pump. 2,496,915, Feb. 7.
Hoffer, Temple P., assignor to Otis Pressure Control, Inc., Dallas, Tex. Two-zone pump. 2,513,869, July 4.
Hoffer, Temple P., assignor to Otis Pressure Control, Inc., Dallas, Tex. Two-zone pump. 2,522,825, Sept. 19.
Hoffert, William J. : *See*—
Veatch, James P., and Hoffert.
Hoffken, Paul H., assignee : *See*—
Varcoe, Earl V.
Hoffman, Alfred E. : *See*—
Bloch, Herman S., and Hoffman.
Hoffman, Alfred H., Monroe, Mich. Sofa having angularly adjustable ends. 2,531,045, Nov. 21.
Hoffman, Allen S., assignor to Howard Sales Company, Council Bluffs, Iowa. Illuminated sign. 2,529,243, Aug. 29.
Hoffman, Anton R., Southport, and W. J. Crump, Stratford, assignors to United Aircraft Corporation, East Hartford, Conn. Gyro dynamic damper. 2,519,762, Aug. 22.
Hoffman, Carl H. : *See*—
Harris, Stanton A., Arth, Hoffman, and Folkers.
Hoffman, Carroll B., III, Baltimore, Md. Chair having flexibly supported seat and back cushions. 2,527,635, Oct. 31.
Hoffman, De Bremond B. : *See*—
Smith, David B., Clapp, Montgomery, Emerson, and Hoffman.
Hoffman, Dorothea H., assignor to Merck & Co., Inc., Rahway, N. J. 2-methyl-3,4-dihydroxy-5-phosphonoxymethyl-pyridine and preparing same. 2,497,731, Feb. 14.
Hoffman, Dorothea H., assignor to Merck & Co., Inc., Rahway, N. J. Hydroxypyridines and preparing the same. 2,497,732, Feb. 14.
Hoffman, Dorothea H., assignor to Merck & Co., Inc., Rahway, N. J. 2-methyl-3-P-toluenesulfonoxy-4-P-toluenesulfonylaminomethyl-5- phosphonoxymethylpyridine and intermediates therefor. 2,519,470, Aug. 22.
Hoffman, Edward J., W. G. Hardy, and A. J. Fries, Pittsburgh, Pa. Antiskid device for motor vehicles. 2,532,309, Dec. 5.
Hoffman, Harold A., New York, N. Y. Oil base coatings. 2,524,291, Oct. 3.
Hoffman, Howard H., Newport, Ky., and J. G. Herbers, assignors to The Louis G. Freeman Company, Cincinnati, Ohio. Ornamenting machine. 2,526,868, Oct. 24.
Hoffman, James A. : *See*—
Oldham, Samuel R., Jacobsson, and Hoffman.
Hoffman, Julian, New York, and A. Gruff, Flushing, assignors to Claridge Food Co. Inc., Murray Hill, N. Y. Apparatus for cooking and canning meat patties. 2,529,253, Nov. 7.
Hoffman-La Roche Inc., assignee : *See*—
Aeschlimann, John A., and Stempel.
Bergel, Franz, and Cohen.
Businger, Albert.
Cohen, Aaron.
Duschinsky, Robert.
Fox, Herman H., and Creighton.
Goldberg, Moses W., and Scott.
Goldberg, Moses W., and Teitel.
Isler, Otto.
Karrer, Paul.
Lee, John.
Lee, John, and Berger.
Lee, John, and Ziering.
Lindlar, Herbert, and Klaeui.
Masset, Edouard.
Scheibel, Edward G.
Schlapfer, Reinhard.
Schnider, Otto, and Grüssner.
Scott, William E., and Goldberg.
Solmssen, Ulrich V.
Surmatis, Joseph D., and Kimel.
Tabenkin, Benjamin.
Zentner, Margaret R., and Haas.
Hoffman, Mabert G., Thurmont, Md. Nursing device. 2,531,570, Nov. 28.
Hoffman, Manfred T., Newburyport, assignor to Merrimac Hat Corporation, Amesbury, Mass., and Neumann-Endler, Inc., Danbury, Conn. Felting and shrinking process. 2,496,873, Feb. 7.
Hoffman, Manfred T., Newburyport, Mass., and J. T. O'Connor, Plainfield, N. J., assignors to Merrimac Hat Corporation, Amesbury, Mass. Tubular body forming apparatus. 2,529,217, Nov. 7.
Hoffman, Max, Los Angeles, Calif. Body protector for automobiles. 2,512,527, June 20.
Hoffman, Olive E., Chicago, Ill. Leg protector. 2,532,024, Nov. 28.
Hoffman, Oswald A., Decatur, Ind. Cornstalk pulverizer 2,531,732, Nov. 28.
Hoffman, Philip R., assignor to Reeves-Hoffman Corporation, Carlisle, Pa. Hermetically sealed crystal. 2,513,870, July 4.
Hoffman, Robert F., South Orange, N. J., and G. P. Clement, New York, N. Y., assignors to Worthington Pump and Machinery Corporation, Harrison, N. J. Cold process water softener. 2,526,478, Oct. 17.
Hoffman, Robert H., Des Plaines, Ill. Safety abrasive wheel and arbor flange. 2,508,946, May 23.
Hoffman, Rose, Hartford, Conn. Hem binding gauge. 2,505,897, May 2.
Hoffman, Ross B., Glen Ridge, and P. R. Adams, Cranford, N. J., assignors to Federal Telephone and Radio Corporation, New York, N. Y. Distance indicating system. 2,495,722, Jan. 31.
Hoffman, Ross B., Glen Ridge, and R. C. Ferrar, New Providence, N. J., assignors to Federal Telephone and Radio Corporation, New York, N. Y. Two-way communication system. 2,521,721, Sept. 12.
Hoffman, Ross B., Glen Ridge, and R. C. Ferrar, New Providence, N. J., assignors to Federal Telephone and Radio Corporation, New York, N. Y. Time sharing duplex communication system. 2,531,433, Nov. 28.
Hoffman, Samuel K., and Harold Caminez, deceased; by Hazel Caminez, executrix, Williamsport, Pa., assignors to Avco Manufacturing Corporation. Mechanism for driving propellers. 2,512,103, June 20.
Hoffman, Ulysses G., Dayton, Ohio. Free air temperature indicator. 2,534,265, Dec. 19.
Hoffman, William A. : *See*—
Burke, William J., and Hoffman.
Hoffman, William A., assignor to E. I. du Pont Nemours & Company, Wilmington, Del. Heat sealable regenerated cellulose film and making same. 2,525,676, Oct. 10.
Hoffman, William F., Paducah, Tex. Portable air conditioner. 2,495,969, Jan. 31.
Hoffman, William M., Newark, N. J. Line guide element for fishing rods and the like. 2,502,845, Apr. 4.
Hoffman, William M., Newark, N. J. Line guide tip for fishing rods and the like. 2,502,846, Apr. 4.
Hoffman, William P., Buffalo, N. Y. Wood conditioning process. 2,534,714, Dec. 19.
Hoffmann, Allen D., Seattle, Wash., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Delay means. 2,512,156, June 20.
Hoffmann, Bernt A., Oslo, Norway. Easel. 2,522,270, Sept. 12.
Hoffmann, Charles F., Crawford County, Mo. Cooking oven. 2,505,117, Apr. 25.
Hoffmann, Elmer L., Park Ridge, and J. W. Utecht, assignors to R. T. Moloney, Chicago, Ill. Taping machine. 2,516,212, July 25.
Hoffmann, Ernest : *See*—
Renstrom, Carl W., Hoffmann, and Gresham.
Hoffmann, Hans O., Lausanne, Switzerland. Expansion rail joint. 2,518,784, Aug. 15.
Hoffmann, Jakob A. : *See*—
Preis, Martin H., and Hoffmann.
Hoffmann, Karl, Basel, and E. Tagmann, Birsfelden, Switzerland, assignors to Ciba Phamaceutical Products, Inc., Summit, N. J. 1-(aminoalkyl)-1,2,3,4-tetrahydrofluoranthenes and their production. 2,513,487, July 4.
Hoffmann, Max G. J., Chicago, Ill. Suspension baseball backstop. 2,521,518, Sept. 5.
Hoffmann Tweedales Limited, assignee : *See*—
Hilton, John L.
Hoffmann, William J., Brooklyn, N. Y. Liquid cooling and storage apparatus. 2,522,948, Sept. 19.
Hoffmeister, Philip E., Perkasie, Pa. Celestial position indicator and compass. 2,508,027, May 16.
Hoffsommer, Walter M., assignor to Bayside Watch Tool Company, Inc., Bayside, N. Y. Tool chuck. 2,508,459, May 23.
Hoffstetter, George O., Jerseyville, Ill. Lateral spreader. 2,500,681, Mar. 14.
Hoffstetter, George O., Jerseyville, Ill. Adjustable shield. 2,500,682, Mar. 14.
Hoffstetter, George O., Jerseyville, Ill. Portable pit. 2,520,405, Aug. 29.
Hofft Company, Inc., The, assignee : *See*—
Puckett, Nick T.
Hofheimer, H. Clay, II, assignee : *See*—
Mallard, Logan L.
Hofman, Klaus, Pittsburgh, Pa., assignor to Ciba Pharmaceutical Products, Incorporated, Summit, N. J. Preparing substituted furoimidazoles. 2,520,404, Aug. 29.
Hofmann, Albert : *See*—
Stoll, Arthur, and Hofmann.
Stoll, Arthur, Hofmann, and Troxler.
Hofmann, Albert, and F. Troxler, assignors to Sandoz A. G., Basel, Switzerland. Halogenated derivatives of lysergic acid, isolysergic acid, and their derivatives, and making same. 2,516,002, July 18.
Hofmann, Alfred, & Company, assignee : *See*—
Hepp, Carlos A.
Hofmann, Corris M. : *See*—
Crossley, Moses L., Dreisbach, Turner, and Hofmann.
Hofmann, George H. : *See*—
Mueller, Lucien W., and Hofmann.
Hofmann, Hugo, Elizabethton, Tenn., assignor, by mesne assignments, to Beaunit Mills, Inc., New York, N. Y. Recovering copper oxide and a d-tartrate from a spinning solution. 2,532,308, Dec. 5.

Hofmann, Klaus, Pittsburgh, Pa., assignor to Ciba Pharmaceutical Products, Incorporated, Summit, N. J. Derivatives of dl-hexahydro-2-oxo-4-(4-haloalkyl)-1-furo-(3,4)-imidazole and preparing same. 2,506,594, May 9.

Hofmann, Klaus, Pittsburgh, Pa., assignor to Ciba Pharmaceutical Products, Incorporated, Summit, N. J. 3,4-dicarboxy-2-furan-alkanols and derivatives thereof. 2,527,421, Oct. 24.

Hofmann, Robert, Los Angeles, Calif. Closure member. 2,506,362, May 2.

Hofrichter, Charles H., Jr., Synder, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Laminated sheet structures and composition. 2,504,417, Apr. 18.

Hofstadter, Robert, Forest Hills, assignor to The Norden Laboratories Corporation, New York, N. Y. Follow-up system. 2,499,222, Feb. 28.

Hofstadter, Robert, assignor to The Norden Laboratories Corporation, New York, N. Y. Altitude control for aircraft. 2,507,304, May 9.

Hofteig, H. J., assignee: *See*—
Ransom, Frank X. and A. D.

Hofteig, Laura A., assignee: *See*—
Ransom, Frank X. and A. D.

Hogan, Daniel J., Ashley, Pa., assignor to Harris-Hogan Company. Work conveying box for sewing-machine tables. 2,495,524, Jan. 24.

Hogan, John P., Bartlesville, Okla., assignor to Phillips Petroleum Company. Pretreatment of hydrocarbon synthesis catalysts. 2,532,621, Dec. 5.

Hogan, Joseph T.: *See*—
Porges, Nandor, and Hogan.

Hogan, Patrick J., New Haven, Conn. Railway car door protector. 2,493,720, Jan. 3.

Hogan, Rose, San Francisco, Calif. One-piece foot covering. 2,494,617, Jan. 17.

Hogeberg, Bart A., Seattle, Wash. Golf ball teeing machine. 2,530,698, Nov. 21.

Hogeman, Hans, Longmeadow, and F. S. Coe, assignors to American Bosch Corporation, Springfield, Mass. Fuel injection pump. 2,518,473, Aug. 15.

Hogeman, Hans, Longmeadow, assignor to American Bosch Corporation, Springfield, Mass. Fuel injection apparatus. 2,534,553, Dec. 19.

Hoger, Burton E., Huntington Park, assignor to Norris Stamping and Manufatcuring Company, Los Angeles, Calif. Orchard heater. 2,518,689, Aug. 15.

Hoglan, Forest A., Toledo, Ohio, assignor to International Minerals and Chemical Corporation. Production of amino acids and salts. 2,519,573, Aug. 22.

Hoglan, Forest A., Toledo, Ohio, assignor to International Minerals & Chemical Corporation, Chicago, Ill. Manufacture of glutamic acid. 2,533,114, Dec. 5.

Hoglan, Forest A., and M. J. Blish, Toledo, Ohio, assignors to International Minerals and Chemical Corporation. Production of glutamic acid. 2,525,902, Oct. 17.

Hoglander, Nils G., assignee: *See*—
Palm, Anders O.

Hoglin, Irving M., Denver, Colo. Method of and apparatus for making soap cakes. 2,495,005, Jan. 17.

Hoglund, Ralph H., Bellmore, N. Y., assignor to the United States of America as represented by the Secretary of War. Electronic gating circuit. 2,519,763, Aug. 22.

Hoglund, Ralph H., Bellmore, N. Y., assignor to the United States of America as represented by the Secretary of War. Automatic oscillation control. 2,527,730, Oct. 31.

Hoglund, Ralph H., G. E. Hulstede, and A. J. Yakutis, Cambridge, Mass., assignors to the United States of America as represented by the Secretary of War. Unitary control for velocity-modulation tubes. 2,496,535, Feb. 7.

Hogue, Caswell J.: *See*—
Doss, William R., and Hogue.

Hogue, Francis M., Berrien Springs, assignor to Clark Equipment Company, Buchanan, Mich. Fluid control means for auxiliary transmissions. 2,529,393, Nov. 7.

Hohenstein, Walter P., Kew Gardens, assignor to Polytechnic Institute of Brooklyn, Brooklyn, N. Y. Suspension polymerization of vinyl compounds. 2,524,627, Oct. 3.

Hohl, John, H. A. Barnby, and J. M. Wheaton, Toledo, Ohio, assignors to Owens-Illinois Glass Company. Vacuum sealing machine. 2,506,363, May 2.

Hohmann, Gottfried H.: *See*—
Finch, William G. H., and Hohmann.

Hohmann, Richard K., Jamaica, N. Y. Sewing-machine mechanism. 2,526,479, Oct. 17.

Hohmann, Richard K., Jamaica, N. Y. Sewing-machine feed mechanism. 2,526,480, Oct. 17.

Hohmann, Richard K., Jamaica, N. Y. Sewing-machine frame. 2,526,481, Oct. 17.

Hohmann, Richard K., Jamaica, N. Y. Thread clamp for chain stitch sewing machines. 2,526,482, Oct. 17.

Hohner, William M., Seattle, Wash. Toggle mechanism for water control valves for toilet flush boxes. 2,504,022, Apr. 11.

Hohwart, Ernest F.: *See*—
Hohwart, George and E. F.

Hohwart, George and E. F., Detroit, assignors to N. A. Woodworth Company, Ferndale, Mich. Ring gauge. 2,508,826, May 23.

Hokanson, Otto A., Snyder, assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y. Automatic phonograph. 2,519,187, Aug. 15.

Hokanson, Otto A., Snyder, and R. C. Jones, North Tonawanda, N. Y., assignors to The Rudolph Wurlitzer Company, Chicago, Ill. Change making device. 2,526,749, Oct. 24.

Hoke, Esther H., New York, N. Y. Embroidered lamp shade. 2,511,798, June 13.

Hoke, Frank J., assignor to Holcomb & Hoke Mfg. Co. Inc., Indianapolis, Ind. Mop wringer. 2,508,947, May 23.

Hoke, John A., Reading, Pa. Tool for splicing piano strings. 2,518,617, Aug. 15.

Holback, George E.: *See*—
Pederson, Arthur H., Holback, and Darmody, Jr.

Holbert, James M.: *See*—
Grote, Irvine W., and Holbert.

Holberton, Bernard V.: *See*—
Godden, Thomas E., Bishop, and Holberton.

Holbro, Theodor, Basel, P. Sutter, Binningen, and W. Kern, Sissach, Switzerland, assignors to Ciba Limited. Benzanthrone dicarboxylic acid compounds. 2,494,811, Jan. 17.

Holbrook, Frederic L., and I. E. Cutting, Naugatuck, Conn., assignors to United States Rubber Company, New York, N. Y. Vulcanizing with quinone oximes. 2,524,977, Oct. 10.

Holbrook, George E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymer compositions. 2,510,112, June 6.

Holbrook, Remus E.: *See*—
Stacy, Luther, and Holbrook.

Holcomb, Arthur L., Tarzana, Calif., assignor to Western Electric Company, Incorporated, New York, N. Y. Acceleration clutch. 2,509,061, May 23.

Holcomb, Arthur L., Tarzana, Calif., assignor to Western Electric Company, Incorporated, New York, N. Y. Automatic sound reproducing control system. 2,532,098, Nov. 28.

Holcomb, Clifton R., Tahleguah, and H. F. Holcomb, Oklahoma City, Okla. Signaling device for automobiles. 2,517,314, Aug. 1.

Holcomb, Harry E., Stratford, Conn., assignor to Johns-Manville Corporation, New York, N. Y. Filamentary product and its production. 2,505,045, Apr. 25.

Holcomb, Harry F.: *See*—
Holcomb, Clifton R., and H. F.

Holcomb & Hoke Mfg. Co. Inc., assignee: *See*—
Hoke, Frank J.

Holcomb, J. I., Mfg. Co., assignee: *See*—
Bennett, Earnest L.

Holcomb, James A., Borger, Tex. Deep well drilling apparatus. 2,503,047, Apr. 4.

Holcomb, Normand P., Warehouse Point, and J. C. Rothwell, Rockville, assignors of one-third to E. H. De Frees, Wethersfield, Conn. Liquid dispensing machine. 2,531,938, Nov. 28.

Holdam, James V., Jr., and L. M. Jones, Cambridge, Mass., assignors, by mesne assignments, to the United States of America as represented by the Secretary of War. Radio object location indicator. 2,530,060, Nov. 14.

Holdaway, Vivian L., Midland Park, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric discharge device. 2,518,319, Aug. 8.

Holdeman, Lloyd H.: *See*—
Schramm, Christopher H., and Holdeman.

Holdeman, Lloyd H., assignor to Manning, Maxwell & Moore, Inc., Muskegon, Mich. Traveling crane trolley. 2,514,494, July 11.

Holdeman, Lloyd H., assignor to Manning, Maxwell & Moore, Inc., Muskegon, Mich. Drop pit apparatus. 2,520,969, Sept. 5.

Holden, Alan N., New Vernon, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Method of and apparatus for detwinning quartz crystals. 2,527,636, Oct. 31.

Holden, Artemas F., New Haven, Conn. Salt bath quenching furnace. 2,516,516, July 25.

Holden, Artemas F., New Haven, and A. G. Conrad, Mount Carmel, Conn., said Conrad assignor to said Holden. Electric salt bath furnace. 2,512,206, June 20.

Holden, Charles R., deceased, Altadena, Calif., by C. E. Holden, executrix, Altadena, Calif., assignor to W. H. T. Holden, New York, N. Y. Electromechanical transducer. 2,498,737, Feb. 28.

Holden, Cora E., executrix: *See*—
Holden, Charles R.

Holden, Harold C., Bridgeport, Conn., assignor to General Electric Company. Deflecting and focusing device for cathode-ray apparatus. 2,501,516, Mar. 21.

Holden, Harry A., Brentford, and J. T. Setterington, Halifax, England, assignors to Parker Rust-Proof Company, Detroit, Mich. Drawing ferrous wire and other metal-working processes. 2,522,176, Sept. 12.

Holden, Jesse L.: *See*—
Bridwell, John W., Roman, and Holden.

Holden, Marguerite H., assignee: *See*—
Holden, Orloff W.

Holden, Orloff W., assignor to O. W., and M. H. Holden, doing business as Knickerbocker Rubber Company, not Inc., Chicago, Ill. Faucet reducer. 2,508,827, May 23.

Holden, William H. T., assignee: *See*—
Holden, Charles R.

Holden, William H. T., Woodside, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Dynamoelectric machine. 2,511,207, June 13.
Holden, William H. T., Woodside, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Timing circuit. 2,519,247, Aug. 15.
Holder, Clinton H.: *See*—
Worsham, Charles H., and Holder.
Holder, Clinton H., Cranford, N. J., assignor to Standard Oil Development Company. Chemical process for the production of carbon monoxide. 2,514,282, July 4.
Holder, Clinton H., Cranford, N. J., assignor to Standard Oil Development Company. Hydrocarbon synthesis. 2,530,243, Nov. 14.
Holderness, Benjamin S., Yonkers, N. Y. Harpoon gun. 2,504,525, Apr. 18.
Holdridge, Randall L., assignor to Erie Meter Systems, Inc., Erie, Pa. Airport fueling system. 2,507,597, May 16.
Holdsworth, George G., Coventry, England. Spring retainer for spring actuated poppet valves. 2,523,570, Sept. 26.
Holeproof Hosiery Co., assignee: *See*—
Siegrist, Edward J.
Holford, Frank L.: *See*—
Wilhide, Glenn C., Baker, and Holford.
Holhouser, Robert J., assignee: *See*—
Steel, Claude G.
Holicer, John R., Shreveport, La. Control fitting. 2,516,387, July 25.
Holifield, William F., Amarillo, Tex. Cooking utensil. 2,494,812, Jan. 17.
Holinger, Carl J., Plainfield, assignor of three-fourths to J. and N. D'Ambola, Newark, and G. W. Kupper, Nutley, N. J. Magazine for nested articles. 2,501,816, Mar. 28.
Holkenbrink, Frank, Sigel, Ill. Device for measuring taper. 2,517,667, Aug. 8.
Holkins, Hillis O., Skokie, assignor to The Pure Oil Company, Chicago, Ill. Hydrocarbon conversion. 2,498,883, Feb. 28.
Holl, Charles, Paris, France. Bracelet. 2,524,976, Oct. 10.
Holl, James W. F., Long Beach, Calif. Rotary fluid valve. 2,519,574, Aug. 22.
Holl, Walter J.: *See*—
Gantz, John C., Holl, and Everly.
Holland, Daniel, assignee: *See*—
Everhart, Marcel L.
Holland Furnace Company, assignee: *See*—
Quist, Cornelius.
Weyenberg, Henry, and Kimberley.
Weyenberg, Henry, and Quist.
Holland, George H., Hazelton, Pa. Implement for tying knots. 2,498,920, Feb. 28.
Holland, Glen, Bronxville, N. Y., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Latch. 2,510,019, May 30.
Holland, Glen A., Bronxville, N. Y., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Sewing machine take-up. 2,516,874, Aug. 1.
Holland, Glen A., Bronxville, N. Y., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Rotary take-up for sewing machines. 2,516,875, Aug. 1.
Holland Hitch Company, assignee: *See*—
Ketel, Henry.
Holland, James C., Los Angeles, Calif. Gusset clamp. 2,502,623, Apr. 4.
Holland, John D., and D. D. Robinson, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Variable frequency selective circuits. 2,531,434, Nov. 28.
Holland, John W., Dayton, Ohio. Venetian blind slat. 2,534,673, Dec. 19.
Holland-Rantos Company, assignee: *See*—
Coel, Leo.
Holland, Sonja S., Reno, Nev. Sock. 2,526,663, Oct. 24.
Holland, William F., Cincinnati, Ohio. Tone mellower. 2,501,388, Mar. 21.
Holland, William W., Baltimore, Md., assignor to The Gyro Process Company, Detroit, Mich. Production of vapor phase converted hydrocarbons. 2,535,418, Dec. 26
Hollander, Charles S., Philadelphia, and L. H. Bock, Huntingdon Valley, assignors to Rohm & Haas Company, Philadelphia, Pa. Preparation of ether sulfonates. 2,535,677, Dec. 26.
Hollander, Charles S., Philadelphia, and L. H. Bock, Huntingdon Valley, assignors to Rohm & Haas Company, Philadelphia, Pa. Preparation of ethers of hydroxyethane sulfonates and ether alcohols. 2,535,678, Dec. 26.
Hollander, Emory R., Portland, Oreg. Scraper. 2,506,083, May 2.
Hollander, Irving L., Forest Hills, N. Y. Display holder for coins and other articles. 2,521,792, Sept. 12.
Hollander, Maurice, New York, N. Y. Folding table structure. 2,500,035, Mar. 7.
Hollander, Nils B. F., St. Essingen, assignor to A. V. Löwener, Stockholm, Sweden. Work holder. 2,516,573, July 25.
Hollandsworth, George W., Knox, Ind. Trash cutting disk attachment for plow wheels. 2,508,113, May 16.
Hollandsworth, George W., Knox, Ind. Force plunger. 2,526,750, Oct. 24.
Hollar, Oliver A., Hanford, Calif. Watercraft with pivoted flappers. 2,520,804, Aug. 29.
Hollenberg, Frederick H., Jr., Kankakee, Ill., assignor to Baldwin-Hill Company, Trenton, N. J. Thermal insulating cement. 2,509,599, May 30.
Hollerith, Charles, Jackson, Mich., assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio. Liquid pressure brake system with emergency air pressure operator. 2,493,196, Jan. 3.
Hollerith, Charles, Jackson, Mich., assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio. Brake structure. 2,499,585, Mar. 7.
Hollerith, Charles, Jackson, Mich., assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio. Hydraulically actuated brake valve. 2,501,941, Mar. 28.
Hollerith, Charles, assignor to Aeroquip Corporation, Jackson, Mich. Breakaway coupling. 2,505,245, Apr. 25.
Hollerith, Charles, assignor to Hayes Industries, Inc., Jackson, Mich. Punching out metal. 2,508,758, May 23.
Hollerith, Charles, Jackson, Mich., assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio. Wheel structure. 2,511,264, June 13.
Hollerith, Charles, assignor to Aeroquip Corporation, Jackson, Mich. Breakaway coupling. 2,512,939, June 27.
Hollerith, Charles, assignor to Lake State Products, Inc., Jackson, Mich. Combined impeller and drain valve for dishwashing machines. 2,517,109, Aug. 1.
Hollerith, Charles Jackson, Mich., assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio. Debooster. 2,529,731, Nov. 14.
Holley, Danforth, and S. M. Udale, Detroit, Mich. Mileage meter. 2,507,442, May 9.
Holley, Earl, assignee: *See*—
Beard, Bert.
Bobier, Wilfred S., Jr.
Holley, George M., Jr.
Kittler, Milton J.
Kittler, Milton J., and Medley.
Orr, Andrew W., Jr.
Schorn, Carl F.
Udale, Stanley M.
Westcott, Brayton W., Colvin, and Grant.
Holley, George M., assignee: *See*—
Beard, Bert.
Bobier, Wilfred S., Jr.
Holley, George M., Jr.
Kittler, Milton J.
Kittler, Milton J., and Medley.
Orr, Andrew W., Ja.
Schorn, Carl F.
Udale, Stanley M.
Holley, George M., Jr., Grosse Pointe, Mich., assignor to G. M. and E. Holley. Fuel feed control for gas turbines. 2,508,260, May 16.
Holley, Majure C., St. Louis County, Mo. Composite piston ring. 2,533,805, Dec. 12.
Hollick, John G., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Pneumatic dust removal machine. 2,515,223, July 18.
Holliday, Clarence E., Duncan, Nebr. Flag holder. 2,533,459, Dec. 12.
Holliday, Clyde, and A. A. Hamilton, Silver Spring, Md., assignors to the United States of America as represented by the Secretary of the Navy. Micrometer. 2,521,917, Sept. 12.
Holliday, Edward W., Twickenham, assignor to F. T. Seear, Ashtead, England. Dividing apparatus. 2,525,677, Oct. 10.
Holliday, W. J., & Company, Inc., assignee: *See*—
Parker, James T.
Hollihan, John P., Jr., Garden City, and S. A. Moss, Jr., Ridley Park, Pa., assignors to American Viscose Corporation, Wilmington, Del. Cellulose derivatives. 2,499,501, Mar. 7.
Hollihan, John P., Jr., Garden City, and S. A. Moss, Jr., Ridley Park, Pa., assignors to American Viscose Corporation, Wilmington, Del. Water-sensitive cellulose derivatives. 2,511,060, June 13.
Hollinger, Harry C.: *See*—
Tranter, Watson W., Asbridge, and Hollinger.
Hollingshead, William L. R., assignor to The W. C. Wood Company Limited, Guelph, Ontario, Canada. Lubricating device. 2,527,422, Oct. 24.
Hollingsworth, Clinton A.: *See*—
Maust, Ernest J., and Hollingsworth.
Hollingsworth, Clinton A., Lakeland, Fla., assignor to Coronet Phosphate Company, New York, N. Y. Defluorination of phosphate rock. 2,531,046, Nov. 21.
Hollingsworth, Douglas T., assignor to British Insulated Callender's Cables Limited, London, England. Wave guide for high-frequency electric currents. 2,518,892, Aug. 15.
Hollingsworth, Douglas T., London, and C. W. J. Morley, Malvern Common, England. Wave guide for high-frequency electric currents. 2,511,916, June 20.
Hollingsworth, Guilford L., Seattle, Wash., assignor to General Electric Company. Pulse amplifier. 2,503,909, Apr. 11.

Hollingsworth, Lowell M.: *See*—
Aron, Walter A., Davis, and Hollingsworth.

Hollingsworth, Maurice H., Corpus Christi, Tex. Shock absorber. 2,520,406, Aug. 29.

Hollingsworth, "R" Lee, West Hempstead, assignor to Press Wireless, Inc., New York, N. Y. Antifade carrier wave receiving arrangement. 2,510,889, June 6.

Hollingsworth, Robert Q., Atlanta, Ga., assignor to American Engineering Corporation. Bobbin gear assembly for roving frames. 2,533,669, Dec. 12.

Hollins, Jesse R., Brooklyn, N. Y. Brake indicator signaling medium. 2,503,553, Apr. 11.

Hollins, Jesse R., Brooklyn, N. Y. Direction switch for vehicle lighting circuits. 2,514,604, July 11.

Hollins, Jesse R., Brooklyn, N. Y. Directional signal operator. 2,525,033, Oct. 10.

Hollis, Arthur L., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Diphenyl amine derivatives. 2,530,769, Nov. 21.

Hollis, James L., Cedar Rapids, Iowa, assignor to Crosley Broadcasting Corporation, Cincinnati, Ohio. Automatic frequency control. 2,528,365, Oct. 31.

Hollister, Frederick L., Richmond, England. Thermostatic switch. 2,529,941, Nov. 14.

Hollmann, Hubert Q., Riverside, Ill. Hoist. 2,495,811, Jan. 31.

Hollopeter, William H., Oakland, Calif. Indicating golf club. 2,501,277, Mar. 21.

Holloway, Donald F., and H. H. Young, Chicago, Ill., assignors, by mesne assignments, to Swift & Company. Coating composition. 2,516,700, July 25.

Holloway, Floyd T., and B. J. McKinney, Clovis, N. Mex. Dispensing holder for collapsible tubes. 2,515,711, July 18.

Hollowell, Eugene G.: *See*—
Sweeney, Orland R., Arnold, and Hollowell.

Hollstein, Oswald C., Secaucus, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. X-ray apparatus. 2,504,687, Apr. 18.

Hollstein, Oswald C., Secaucus, N. J., assignor to F-R Machine Works, Woodside, N. Y. X-ray speculum. 2,534,126, Dec. 12.

Holly, Frederick W.: *See*—
Howe, Eugene E., and Holly.

Holly, George S., assignor, by mesne assignments, to Jensen Manufacturing Company, Chicago, Ill. Magnetic structure for speakers. 2,534,819, Dec. 19.

Holly, Harry H., Chicago, Ill., assignor to Holly Molding Devices, Inc. Molding device. 2,530,061, Nov. 14.

Holly, Harry H., Chicago, Ill., assignor to Holly Molding Devices, Inc. Patty molding device. 2,530,062, Nov. 14.

Holly, Leslie, St. Clair Shores, Mich. Trailer for hauling boats. 2,516,574, July 25.

Holly Molding Devices, Inc., assignee: *See*—
Holly, Harry H.

Hollyday, Charles E., Jr., Baltimore, assignor to The Glenn L. Martin Company, Middle River, Md. Tube fitting. 2,499,024, Feb. 28.

Hollymade Hardware Manufacturing Company, assignee: *See*—
Cerf, Robert C., Jr.

Holm, Carl, assignor to Economic Machinery Company, Worcester, Mass. Labeling machine. 2,503,872, Apr. 11.

Holm, Carl J., Trondheim, Norway. Machine for the production of wire ropes. 2,498,921, Feb. 28.

Holm, Carl J., Trondheim, Norway. Reel for fishing rods. 2,523,827, Sept. 26.

Holm-Hansen, Dagfrid, Fairfield, Conn., assignor to American Cyanamid Company, New York, N. Y. Triazine derivatives and preparing the same. 2,513,264, June 27.

Holm, John M.: *See*—
Taylor, James, and Holm.

Holm, Sven, Wellsville, assignor to The Air Preheater Corporation, New York, N. Y. Creating pin fin surfaces for heat exchangers. 2,505,619, Apr. 25.

Holm, Sven, and P. H. Karlsson, Wellsville, assignors to The Air Preheater Corporation, New York, N. Y. Multifluid manifold. 2,499,384, Mar. 7.

Holm, Sven, and P. H. Karlsson, Wellsville, assignors to The Air Preheater Corporation, New York, N. Y. Multifluid heat exchange passage construction. 2,505,774, May 2.

Holm, Sven, and P. H. Karlsson, Wellsville, assignors to The Air Preheater Corporation, New York, N. Y. Multifluid heat exchanger. 2,521,369, Sept. 5.

Holm, Thor O., assignor to Thompson Products, Inc., Cleveland, Ohio. Selector valve. 2,503,618, Apr. 11.

Holm, Wilton R.: *See*—
Kaylor, James W., Phelps, Jones and Holm.

Holman, Arthur: *See*—
Nelson, James E., Bosworth, Percy, Balne, and Holman.

Holman, Arthur J., assignee: *See*—
Holman, Arthur J., and Kennedy.

Holman, Arthur J., Brighton, and W. J. Kennedy, assignors by mesne assignments, to Arthur J. Holman, Rochester, N. Y. Machine for grinding lenses. 2,510,113, June 6.

Holman, George W., and O. T. Quimby, Cincinnati, assignors to The Procter and Gamble Company, Ivorydale, Ohio. Preparing suspensions of solid triglyceride and liquid oil. 2,521,219, Sept. 5.

Holman, Harry V., Evanston, Ill. Protective device for clamp screws or the like. 2,512,528, June 20.

Holman, Herbert E., West Drayton, and R. R. Pearce, Hampton, assignors to Electric & Musical Industries Limited, Hayes, England. Manufacture of envelopes having glass windows, such as the envelopes for cathode-ray tubes or the like. 2,518,690, Aug. 15.

Holman, Leslie A., Waltham, Mass. Autographic register. 2,518,320, Aug. 8.

Holmberg, Folke, and F. Kylemo, assignors to Industriaktiebolaget Luxor, Motala, Sweden. Automatic mechanism for phonographs. 2,511,982, June 20.

Holmberg, Gus A., Highwood, Ill. Framing gauge. 2,517,315, Aug. 1.

Holmberg, John A.; Camas, Wash., assignor to Crown Zellerbach Corporation, San Francisco, Calif. Machine for wrapping folded sheets. 2,506,021, May 2.

Holmberg, John K. O. H., Stockholm, Sweden. Producing toilet soap. 2,494,127, Jan. 10.

Holmberg, Petrus S., assignor to Aktiebolaget C. E. Johansson, Eskilstuna, Sweden. Adjustable tolerance measuring tool. 2,514,605, July 11.

Holmboe, Leonhard W.: *See*—
Okress, Ernest C., and Holmboe.

Holmes, Arthur B., Kingston-upon-Hull, England. Production of concrete piles. 2,512,831, June 27.

Holmes, Bradford B., New York, N. Y., assignor to Bendix Aviation Corporation, Teterboro, N. J. Pressure breathing oxygen regulator. 2,523,906, Sept. 26.

Holmes, Bradford H., New York, N. Y., assignor to Bendix Aviation Corporation, Teterboro, N. J. Pressure gauge. 2,505,118, Apr. 25.

Holmes, Burton F., and H. H. Heindel, assignors to Schultz Die Casting Company, Toledo, Ohio. Die casting. 2,532,256, Nov. 28.

Holmes, Charles H., and J. L. Snyder, assignors to H. O. Kesler and I. G. Merner, Chicago, Ill. Aquarium aerator. 2,533,936, Dec. 12.

Holmer, Earl, Minneapolis, Minn. Hay loader and stacker. 2,506,150, May 2.

Holmes, Edward C.: *See*—
Boerner, Lewis W., and Holmes.

Holmes, Eugene A.: *See*—
Lee, Richard W., and Holmes.

Holmes, Frank G., Philadelphia, Pa. Automatic telephone ejector. 2,495,006, Jan. 17.

Holmes, Frank G., Philadelphia, Pa. Ball return means for pool tables. 2,534,770, Dec. 19.

Holmes, Frank H.: *See*—
Zurit, David, and Holmes.

Holmes, George E., Detroit, Mich. Fuse plug. 2,498,124, Feb. 21.

Holmes, Gifford I., *See*—
Holmes, Thomas W., and G. I.

Holmes, Harrison H.: *See*—
Branan, Wiley M., and Holmes.

Holmes, Harry C., assignee: *See*—
Holmes, Kenneth S.

Holmes, Harry N., Oberlin, Ohio, assignor to Sterno, Inc., New York, N. Y. Solidified liquid fuel and its production. 2,504,196, Apr. 18.

Holmes, Howard A., Fairmont, W. Va. Time-interval and sequence recorder. 2,517,316, Aug. 1.

Holmes, John A., Stillwater, Okla., assignor to the United States of America as represented by the United States Atomic Energy Commission. Production of uranium triiodide. 2,524,384, Oct. 3.

Holmes, John C., Signal Mountain, Tenn. Heating system. 2,511,635, June 13.

Holmes, John R., H. F. May, and J. R. Hayden, Lockport, N. Y., assignors to General Motors Corporation, Detroit, Mich. Gas regenerator. 2,526,135, Oct. 17.

Holmes, Kenneth S., New Kensington, assignor to H. C. Holmes, Oakmont, Pa. Hot-water boiler. 2,514,642, July 11.

Holmes, Lawrence, Jr., Riverside, Calif. Keyboard for mechanical shorthand writing machines. 2,505,046, Apr. 25.

Holmes, Lydia M., St. Augustine, Fla. Knockdown wheeled toy. 2,529,692, Nov. 14.

Holmes, Morris P., Claremont, N. H., assignor to Jones & Lamson Machine Company, Springfield, Vt. Gear-shifting mechanism. 2,515,710, July 18.

Holmes, Oscar J., Chicago, Ill. Mounting for photoelectric cells. 2,493,919, Jan. 10.

Holmes, Oscar J., Chicago, Ill. Motion-picture projector for film with pictures in alternate series. 2,505,965, May 2.

Holmes, Richard E.: *See*—
Rhyne, Jeff S., and Holmes.

Holmes, Robert H., assignee: *See*—
Lincoln, Carl E.

Holmes, Robert L.: *See*—
Oxley, Frederick W., and Holmes.

Holmes, Samuel A., Storm Lake, Iowa. Chain construction. 2,530,014, Nov. 14.

Holmes, T. J., Co., Inc., assignee: *See*—
High, Fred R.

Holmes, Thomas W., St. Paul, Minn., and G. I. Holmes, Detroit, Mich. Heating system. 2,496,540, Feb. 7.

Holmes, Trent H., Middletown, assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn. Seal for fluid pumps. 2,509,973, May 30.

Holmes, Vera L.: *See*—
Holmes, William S. and V. L.
Holmes, Wayne, assignee: *See*—
Hill, Ernest.
Holmes, William H.: *See*—
Weeks, Walter L., Stewart, and Holmes.
Holmes, William R.: *See*—
Wood, William S., Holmes, and Whittaker.
Holmes, William S. and V. L., Lawton, Okla. Plate holder. 2,526,820, Oct. 24.
Holmested, Francis K., assignor to N. A. Holmested, Charleston, W. Va. Car stop. 2,499,955, Mar. 7.
Holmested, Nellie A., assignee: *See*—
Holmested, Francis K.
Holmgren, Eric A., deceased, by G. A. Holmgren, administratrix, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Lasting machine. 2,503,487, Apr. 11.
Holmgren, Frank A.: *See*—
Holmgren, Freda I. and F. A.
Holmgren, Freda I. and F. A., Minneapolis, Minn. Kettle draining device. 2,507,159, May 9.
Holmgren, Gertrude A., administratrix: *See*—
Holmgren, Eric A.
Holmgren, Viking R., Lynn, Mass., assignor to General Electric Company. Device for covering openings in enclosed machines. 2,499,190, Feb. 28.
Holmquist, John L., Aliquippa, Pa., and P. W. Pheneger, Ypsilanti, Mich., assignors to The National Supply Company, Pittsburgh, Pa. Increasing the axial tensile strength of threaded joints. 2,494,128, Jan. 10.
Holmquist, Knut S.: *See*—
Nordenskjöld, Tore, and Holmquist.
Holmqvist, Seth A., Appelviken, assignor to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden. Regulator controlled by electron tube. 2,513,024, June 27.
Holmstrom, Charles H.: *See*—
Connolly, Peter F., and Holmstrom.
Holmstrom, Henry W., assignor of one-third to J. A. Issacson, Richmond Highlands, and one-third to R. A. Joss, Seattle, Wash. Building construction. 2,508,066, May 16.
Holmwood, Richard H., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Record material inspecting device. 2,506,454, May 2.
Holmwood, Richard H., Binghamton, N. Y., and P. A. Hauck, Union, N. J., assignors to International Business Machines Corporation, New York, N. Y. Stencil card making machine. 2,518,010, Aug. 8.
Holmwood, Richard H., Binghamton, and K. E. Anderson, Johnson City, assignors to International Business Machines Corporation, New York, N. Y. Tabulating card fabricating mechanism. 2,521,370, Sept. 5.
Holopainen, Vaino J., assignor to Wain-Roy Corporation, Hubbardston, Mass. Ditchdigging attachment for tractors. 2,496,874, Feb. 7.
Holophane Company, Inc., assignee: *See*—
Franck, Kurt.
Franck, Kurt, and Wince.
Rolph, Thomas W.
Rolph, Thomas W., and Franck.
Holoplast Limited, assignee: *See*—
Gonda, Desiré.
Holritz, Clarence, Eatontown, N. J. Protective device for vacuum tubes. 2,515,224, July 18.
Holroyd, George C., and J. M. Almand, Hogansville, Ga., assignors to United States Rubber Company, New York, N. Y. Finishing treatment for asbestos ironer roll covers. 2,534,818, Dec. 19.
Holsclaw, Charles H., Evansville, Ind. Bow unit for suspending a boat from a trailer. 2,520,144, Aug. 29.
Holsing, Robert H., North Canton, assignor to The Timken Roller Bearing Company, Canton, Ohio. Arbor. 2,513,412, July 4.
Holsinger, Galen H., Quakertown, Pa. Chair cover. 2,531,047, Nov. 21.
Holst, Edgar C.: *See*—
Dibert, George F., and Holst.
Holst, Gilles, and H. J. M. van Embden, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Non-emitting electrode for electric discharge tubes. 2,513,241, June 27.
Holst, Hans E. E.: *See*—
Norrefeldt, Ernst E. A., and Holst.
Holst, Paul F. G., assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Studio tone control. 2,500,493, Mar. 14.
Holst, Paul F. G., and L. R. Kirkwood, Oaklyn, N. J., assignors to Radio Corporation of America. Transceiver having switch controlled frequency compensator. 2,515,225, July 18.
Holstein, Alvin W., and D. F. McCarron, assignors to Knapp-Monarch Company, St. Louis, Mo. Churn. 2,529,691, Nov. 14.
Holston, Harold G., Caruthers, Calif. Pipe form suspension and stripping unit. 2,515,088, July 11.
Holstrom, Allan: *See*—
Miller, Rudolph G., and Holstrom.
Holstrom, Reuben A., Silverton, Oreg. Half shoe for plaster casts. 2,509,821, May 30.
Holt, Albert C., Ridgewood, N. J., assignor to International Business Machines Corporation, New York, N. Y. Keyboard lock for typewriting machines. 2,510,577, June 6.
Holt, Anthony M.: *See*—
Witte, Emil A., Holt, and Martin.
Holt, Benjamin M.: *See*—
Reed, Homer C., and Holt.
Holt, Charles O., assignor to The American Hardware Corporation, New Britain, Conn. Diameter measuring device. 2,496,212, Jan. 31.
Holt, Edman F.: *See*—
Hensel, Franz R., Larsen, and Holt.
Holt, Edman F., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Swivel type spot welding electrode. 2,523,367, Sept. 26.
Holt, George A., and R. Watts, Shoreham-by-sea, assignors to H. R. Ricardo, London, England. Piston. 2,523,699, Sept. 26.
Holt, George W., Jr.: *See*—
Broeren, Frank L., and Holt.
Holt, Harry, assignor to Oldham & Son Limited, Denton, near Manchester, England. Focusing electric lamp. 2,516,993, Aug. 1.
Holt, Harry, assignor to Oldham & Son Limited, Denton, near Manchester, England. Device for protecting electrical contacts against unauthorized access. 2,516,994, Aug. 1.
Holt, James F., assignee: *See*—
Stephens, Arthur F.
Holt, Oscar E., Louisville, Ky., and C. A. Swenson, Cheektowaga, N. Y., assignors to Curtiss-Wright Corporation. Strain measuring instrument. 2,522,117, Sept. 12.
Holt, Thurman M., Durham, N. C. Spanner wrench. 2,525,222, Oct. 10.
Holtan, Chester H.: *See*—
Ritchie, Bertram F., and Holtan.
Holterhoff, August, New York, N. Y. Producing moiré pattern effects in fabrics. 2,513,646, July 4.
Holthouse, Harry B., Chicago, Ill., assignor, by mesne assignments, to Vapor Heating Corporation. Fuel feed control for oil burners. 2,529,942, Nov. 14.
Holton, Jesse A., Sr., West Hartford, Conn., assignor to Underwood Corporation. Copyholder. 2,494,129, Jan. 10.
Holtz, Frederick J., Milwaukee, Wis. Padding rack. 2,503,112, Apr. 4.
Holtz, George F.: *See*—
Fraser, Eugene P., and Holtz.
Holtzclaw, Grover B., Charlotte, N. C., assignor to Parks-Cramer Company, Fitchburg, Mass. Traveling cleaner for textile machines or the like. 2,524,797, Oct. 10.
Holtzer-Cabot, Inc., assignee: *See*—
Kleiman, Macklen.
Holtzman, Maiteh M., nee Fox and L. Alten, nee Boltax, Chicago, Ill. Surprise gift box. 2,516,003, July 18.
Holub, Edward M., Elizabeth, N. J., assignor to The Linde Air Products Company. Oxy-fuel gas powder laden cutting oxygen nozzle. 2,504,526, Apr. 18.
Holuba, Stanley J., North Bergen, assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Method and apparatus for thermally regulating gravimetric flow of liquids. 2,513,562, July 4.
Holzapfel, Harry R., Richmond, Ind. Bottle. 2,533,806, Dec. 12.
Holzer, Tibor, assignor to E. Osswald, Zurich, Switzerland. Producing a soluble aromatic coffee extract. 2,511,712, June 13.
Holzer, Tibor, Zurich, Switzerland. Manufacture of molded articles. 2,534,908, Dec. 19.
Holzknecht, Felix, Vancouver, British Columbia, Canada. Spring biased safety catch for separable fasteners. 2,526,136, Oct. 17.
Holzmacher, Charles A., Middle Village, N. Y. Automatic fire alarm switch. 2,507,715, May 16.
Holzschuh, Andrew A.: *See*—
Pelton, Earl L., and Holzschuh.
Holzwarth, Hans T.: *See*—
Rossheim, David B., and Holzwarth.
Holzworth, Richard O., Vinton, Iowa. Direction signal switch. 2,510,176, June 6.
Hom-Ade, Inc., assignee: *See*—
Jones, David F.
Home Protection Company, Inc., assignee: *See*—
Andres, Ray C.
Homer, Horace H.: *See*—
Lowry, Erwin F., and Homer.
Homestead Valve Manufacturing Company, assignee: *See*—
Ofeldt, Frank W.
Homeyer, August H.: *See*—
Whitmore, Frank C., and Homeyer.
Homeyer, August H., and J. A. Caughlin, Webster Groves, assignors to Mallinckrodt Chemical Works, St. Louis, Mo. Making 6-methyldihydrocodeine. 2,510,732, June 6.
Hommel, Ernest M.: *See*—
Paul, William W., and Hommel.
Hommel, O., Company, The, assignee: *See*—
Paul, William W., and Hommel.
Hommon, Harry B., Oakland Calif. Garbage incinerator with associated drying hearth. 2,516,213, July 25.
Homoky, William, St. Louis, Mo. Trotline fishing reel. 2,531,816, Nov. 28.

Homrighous, John H., Oak Park, Ill. Frequency control for oscillators. 2,500,356, Mar. 14.
Homrighous, John H., Oak Park, Ill. Stereoscopic television system. 2,513,176, June 27.
Homrighous, John H., Oak Park, Ill. Television and sound multiplex system. 2,521,008, Sept. 5.
Homrighous, John H., Oak Park, Ill. Television system. 2,521,009, Sept. 5.
Homrighous, John H., Oak Park, Ill. Television system. 2,521,010, Sept. 5.
Homrighous, John H., Oak Park, Ill. Television system. 2,524,349, Oct. 3.
Homrighous, John H., Oak Park, Ill. Time-division multiplex radiophone system. 2,532,310, Dec. 5.
Homrighous, John H., Oak Park, Ill. Dimensional radio communication system. 2,532,719, Dec. 5.
Honald, Barney, The Dalles, Oreg. Wild-goose blind. 2,501,517, Mar. 21.
Honerkamp, Friedrich, assignor to Anemostat Corporation of America, New York, N. Y. Air outlet device. 2,531,733, Nov. 28.
Honeycutt, James L., Sr., Harrisonburg, La. Antibacklash brake for fishing reels. 2,527,131, Oct. 24.
Honeycutt, Judson C., Whittier, Calif. Rodent or animal trap. 2,523,624, Sept. 26.
Honeyman, Arthur A., assignor to G. S. Hinsdale, Portland, Oreg. Ratchet starter for motors. 2,500,076, Mar. 7.
Honigman, Hans, Cleveland, Ohio. Rotatable seat. 2,502,847, Apr. 4.
Honkanen, Eric G., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Pressure seal. 2,535,288, Dec. 26.
Honorary Advisory Council for Scientific and Industrial Research, The, assignee: *See*—
Baird, Kenneth M.
McKay, Arthur F., and Wright.
Watson, Ralph W.
Honsinger, Vernon B.: *See*—
Meyer, George E., and Honsinger.
Hoobler, Ernest S., Canton, Ohio. Self-controlled aircraft landing gear. 2,502,522, Apr. 4.
Hoock, William S., Michigan City, and M. P. Kleinholz, East Chicago, Ind., assignors to Sinclair Refining Company, New York, N. Y. Sulfurized condensate of alpha-pinene and phosphorus pentasulfide. 2,515,222, July 18.
Hood, Benjamin E., South Fairlington, Va., assignor of one-tenth to R. B. Harmon, Washington, D. C. Folding leg table and actuator means. 2,514,061, July 4.
Hood, Charles P., Washington, D. C. Cut film magazine. 2,500,251, Mar. 14.
Hood, Donald R. and S. R., Detroit, Mich., assignors, by mesne assignments, to Chicago Development Company, Chicago, Ill. Heat-treatment of copper-nickel-manganese alloys. 2,495,063, Jan. 17.
Hood, E. Elliott, Elmira, assignor to Bendix Aviation Corporation, Elmira Heights, N. Y. Coaster brake. 2,510,032, May 30.
Hood, Edwin E., Elmira, assignor to Bendix Aviation Corporation, Elmira Heights, N. Y. Back pedaling brake for velocipedes. 2,528,309, Oct. 31.
Hood, Edwin E., Elmira, assignor to Bendix Aviation Corporation, Elmira Heights, N. Y. Heavy-duty coaster brake. 2,529,216, Nov. 7.
Hood, Frank R.: *See*—
Sammis, Louis B., and Hood.
Hood, Homer C.: *See*—
Chiles, John H., Jr., and Hood.
Hood, John W., Ridgewood, N. J. Purification treatment. 2,529,295, Nov. 7.
Hood, Lawrence D., Lakewood, Colo. Device for actuating wall type switches. 2,493,581, Jan. 3.
Hood, Oscar H., Detroit, Mich., assignor to Huck Manufacturing Company. Blind rivet. 2,531,270, Nov. 21.
Hood, Richard W., Chicago, Ill. Apparatus for successively displaying cards or the like. 2,522,226, Sept. 12.
Hood, Robert L., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Atomizer assembly for use in flame photometers. 2,517,666, Aug. 8.
Hood, Roger W., Norwood, assignor to United American Soda Fountain Corporation, Watertown, Mass. Sanitary pump. 2,513,175, June 27.
Hood, Roy M., McColl, S. C. Yarn fastening means for spools. 2,501,515, Mar. 21.
Hood, Stanley R.: *See*—
Hood, Donald R. and S. R.
Hood, Stanley R., Birmingham, Mich. Thermal safety pilot switch. 2,530,059, Nov. 14.
Hooe, Hunter E.: *See*—
Mehan, Thomas O., and Hooe.
Hooe, John M.: *See*—
Volgenau, Robert H., and Hooe.
Hoog, Han: *See*—
Engel, Willem F., and Hoog.
't Hart, Marius, Hoog, and Weeda.
Hoog, Han, W. F. Engel, and J. Koome, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif. Catalytic refining of hydrocarbon alcohols. 2,525,354, Oct. 10.
Hoogerhyde, John: *See*—
Vander Schuur, and Hoogerhyde.
Hoogerhyde Metal Products Company, assignee: *See*—
Vander Schuur, Cornelius, and Hoogerhyde.
Hoogsteen, Harold M., assignor to The Dow Chemical Company, Midland, Mich. Interpolymerization of styrene, alphamethylstyrene, and oxidized soyabean oil. 2,521,675, Sept. 12.
Hook, Bernard H., New Castle, Pa. Grab hook. 2,520,544, Aug. 29.
Hook, Cecil E., and Z. E. Hook, Des Moines, Iowa. Safety switch. 2,535,207, Dec. 26.
Hook, Charles H., Pittsburgh, Pa. Clutch and brake mechanism. 2,499,954, Mar. 7.
Hook, Christopher, Cowes, Isle of Wight. Photoelectrically operated organ. 2,494,943, Jan. 17.
Hook, Donald E.: *See*—
Barry, Arthur J., Hook, and De Pree.
Hook, Edwin O., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. O,O'-di-(nicotinamido) diphenylsulfides. 2,502,150, Mar. 28.
Hook, Edwin O., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Catalytic plasticizers for natural and synthetic rubber. 2,530,355, Nov. 14.
Hook, Edwin O., Old Greenwich, Conn., and P. H. Moss, Nederland, Tex., assignors to American Cyanamid Company, New York, N. Y. Mineral lubricating oil compositions containing dialkyldithiophosphoric acid-formaldehyde condensation products. 2,531,129, Nov. 21.
Hook, George C., Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Attachment of key opener to can ends or like container parts. 2,532,166, Nov. 28.
Hook, John L., Auburn, Ind. Electric outlet box. 2,495,584, Jan. 24.
Hook, Wesley B., Arlington, Va. Securing a semicylindrical liner in a pump bore. 2,496,292, Feb. 7.
Hook, Zenus E.: *See*—
Hook, Cecil E., and Z. E.
Hooker, Donald E., assignor to R. T. Moloney, Chicago, Ill. Photoelectric marksmanship device. 2,516,319, July 25.
Hooker Electrochemical Company, assignee: *See*—
Sconce, James S., Johnson, and Rucker.
Spina, Joseph A.
Stormon, Dean B.
Hooker, Harbert D., Poplar Bluff, Mo. Shock resistance demonstrator. 2,532,167, Nov. 28.
Hooker, Ralph J., Hamilton, Ohio, assignor to United Aircraft Corporation, East Hartford, Conn. Accessory drive for free-piston units. 2,501,053, Mar. 21.
Hooker, Stanley G., Derby, and D. H. Ballantyne, Langho, near Blackburn, assignors to Rolls-Royce Limited, Derby, England. Fuel supply system for internal-combustion engines. 2,517,313, Aug. 1.
Hooks, Frank, Jr., Chicago, Ill. Pivoted lever crown cap remover. 2,510,226, June 6.
Hookway, Harry T.: *See*—
Evans, Edward M., and Hookway.
Hooley, Gerald L., Urbana, Ohio. Skate light. 2,502,566, Apr. 4.
Hooper, Charles K., Linthicum Heights, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Voltage control system. 2,534,909, Dec. 19.
Hooper, Harry, New York, N. Y., assignor to Air Reduction Company, Incorporated. Velocity check valve. 2,511,983, June 20.
Hooper, Harry, New York, N. Y., assignor to Air Reduction Company, Incorporated. Carbide feed mechanism for acetylene generators. 2,519,471, Aug. 22.
Hooper, Harry, Somerville, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Apparatus for handling gases. 2,534,597, Dec. 19.
Hooper, Henry: *See*—
Edwards, Aubrey G., Hooper, and White.
Hooper, William D., Baltimore, Md. Comb and nail file combination. 2,504,688, Apr. 18.
Hooper, William J., Elsah, Ill., assignor, by mesne assignments, to W. C. Huebner, New York, N. Y. Electric printing. 2,520,504, Aug. 29.
Hoopes, Owen D.: *See*—
Summerbell, William, Rhein, and Hoopes.
Hoopingarner, Ralph H.: *See*—
Hoopingarner, Thomas S. and R. H.
Hoopingarner, Thomas S. and R. H., Glenwood Springs, Colo. Aircraft wing mounting. 2,511,265, June 13.
Hoops, Albert H., Savannah, Ga. Heater with door mounted burner. 2,513,871, July 4.
Hoos, Benjamin G.: *See*—
Day, George A., and Hoos.
Hoosac Mills Corporation, assignee: *See*—
Hoeber, Harold.
Hooser, Harry W., Las Vegas, Nev. Safety shield for electric outlets. 2,516,464, July 25.
Hooton, John: *See*—
Egberts, Raymond W., and Hooton.
Hooven, Frederick J., Dayton, Ohio. High energy ignition system. 2,515,370, July 18.
Hooven, Frederick J., assignor, by mesne assignments, to C. E. Lapedes, Dayton, Ohio. Electric temperature control system. 2,522,826, Sept. 19.
Hooven Letters Inc., assignee: *See*—
Petit, Stephen B.
Hoover, Burt E., assignor to Lakeside Bridge & Steel Co., Milwaukee, Wis. Fabricated gear and making the same. 2,506,641, May 9.

Hoover, Charles O., Houston, Tex., assignor to Air Reduction Company, Incorporated, New York, N. Y. Desulfurization of crude and cracked petroleum distillates. 2,496,536, Feb. 7.
Hoover, Clarence F., and J. Nissley, Harrisburg, Pa. Splash guard for use on shoe heels. 2,497,609, Feb. 14.
Hoover Company, The, assignee: *See*—
Acheson, Louis K.
Bielenberg, Raymond G.
Binggely, Elmer C.
Brace, George A.
Consor, Herbert A.
Coons, Curtis C.
Cuddeback, Nelson C.
Daiger, George P.
Duff, Jack E.
Gerber, Dale C.
Gerber, Dale C., and Snyder.
Humphrey, Warren A.
Kirkpatrick, William T.
Kitto, William H.
Schmidt, Calvin R.
Segesman, Louis E.
Sellers, William D.
Sutton, Otis B.
Weiland, Edward A.
White, Harry B.
Hoover, Curtis R., Edmonton, Alberta, Canada. Overhead shovel loader. 2,529,338, Nov. 7.
Hoover, Fred W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Allyl, vinyl ethers of polyhydric alcohols. 2,518,321, Aug. 8.
Hoover, George W.: *See*—
De Florez, Luis, Smith, and Hoover.
Hoover, Harmer G., Brooklyn, N. Y. Gas fuel two-cycle internal-combustion engine. 2,511,405, June 13.
Hoover, Herbert C., Seattle, Wash., assignor to The Ohio Brass Company, Mansfield, Ohio. Trolley under runner. 2,500,826, Mar. 14.
Hoover, John E., Mansfield, Ohio. Loading and unloading means for trailers. 2,507,252, May 9.
Hoover, John R. C., Haddam, Kans. Gauze packing instrument. 2,524,195, Oct. 3.
Hoover, Richard L., Buffalo, N. Y. Moment of inertia calculating device. 2,535,208, Dec. 26.
Hoover, Vaino A., Los Angeles, Calif. Ventilating means for electric motors. 2,522,675, Sept. 19.
Hoover, William S., and T. H. Rea, Chico, Calif. Work supporting attachment for hoists. 2,500,459, Mar. 14.
Hope, John E., San Bernardino, Calif. Tension test device for human hair. 2,496,053, Jan. 31.
Hope Metal Products Co., assignee: *See*—
Hughes, Walter R.
Hope, Ronald S., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Ultra high frequency radio transmitter. 2,535,067, Dec. 26.
Hope, Samuel N., Wauwatosa, assignor to Griffith-Hope Company, West Allis, Wis. Paper cup dispenser. 2,534,169, Dec. 12.
Hopeman, Albert A., Jr., and J. A. Bohnsack, Waynesboro, Va., assignors to Hopeman Bros., Inc., New York, N. Y. Convertible bed and seat. 2,496,006, Jan. 31.
Hopeman Bros., Inc., assignee: *See*—
Hopeman, Albert A., Jr., and Bohnsack.
Hopgood, Robert B., Cheshire, assignor to The Eyelet Specialty Company, Waterbury, Conn. Lipstick container. 2,508,164, May 16.
Hopkins, Cecil R., Glasgow, Scotland. Electric heater for windscreens and windows. 2,496,161, Jan. 31.
Hopkins, Cecil W., assignor to Landis Machine Company, Waynesboro, Pa. Grinding screw threads. 2,495,329, Jan. 24.
Hopkins, Cecil W., assignor to Landis Machine Company, Waynesboro, Pa. Grinding noncircular sections. 2,498,163, Feb. 21.
Hopkins, Cecil W., assignor to Landis Machine Company, Waynesboro, Pa. Centerless method of thread grinding. 2,501,389, Mar. 21.
Hopkins, Cyril J.: *See*—
Smith, Arthur R., Lee, and Hopkins.
Hopkins, Edward H., assignee: *See*—
Bu Miller, Leo O.
Hopkins, Edward J.: *See*—
Atkinson, Ralph L., and Hopkins.
Staunton, Le Roy, Atkinson, and Hopkins.
Hopkins, Ervin W., Hinsdale, L. J. Jendryaszek, and H. M. Coleman, assignors to Armour and Company, Chicago, Ill. Preparation of meat products. 2,521,579, Sept. 5.
Hopkins, Ervin W., Hinsdale, L. J. Jendryaszek, and H. M. Coleman, assignors to Armour and Company, Chicago, Ill. Preparation of meat products. 2,521,849, Sept. 12.
Hopkins, Harold H., assignor to W. Watson & Sons Limited, London, England. Variable magnification optical system. 2,514,239, July 4.
Hopkins, Harold H., and H. Waitt, assignors to W. Watson & Sons Limited, London, England. Variable magnification optical system. 2,501,219, Mar. 21.
Hopkins, Heywood H., Rochester, N. Y. Hip nail aiming device. 2,531,734, Nov. 28.
Hopkins, John H., Rawlins, Wyo. Door mechanism for boxcars. 2,502,725, Apr. 4.
Hopkins, John H., Woodstown, and J. O. White, Arlington, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Methanolysis of polyvinyl esters. 2,513,488, July 4.
Hopkins, John J.: *See*—
Ross, Daniel W., and Hopkins.
Hopkins, Richard J., and R. C. Sproull, Pittsfield, Mass., assignors to General Electric Company. Capacitor paper. 2,505,545, Apr. 25.
Hopkins, Robert K., assignor to The M. W. Kellogg Company, New York, N. Y. Manufacture of composite metal articles. 2,525,133, Oct. 10.
Hopkins, Robert K., Staten Island, N. Y., assignor to The M. W. Kellogg Company, Jersey City, N. J. Apparatus for producing alloy ingots. 2,532,914, Dec. 5.
Hopkins, Roy S., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic recording equipment. 2,529,943, Nov. 14.
Hopkins-Wyrick Laboratories, Inc., assignee: *See*—
Wyrick, Clayton E.
Hopkinsons Limited, assignee: *See*—
Brown, Richard L.
Hopp, George, assignee: *See*—
Hopp, Hermann and P.
Hopp, Harold C., Des Plaines, Ill., assignor, by mesne assignments, to Frigid Transport Company, Inc., New York, N. Y. Refrigerated vehicle. 2,504,689, Apr. 18.
Hopp, Harold C., Des Plaines, Ill., assignor, by mesne assignments, to Frigid Transport Company, Inc., New York, N. Y. Mobile refrigeration unit. 2,533,583, Dec. 12.
Hopp, Harry, assignee: *See*—
Hopp, Hermann and P.
Hopp, Hermann and P., assignors of one-sixth to S. Hopp and two-sixths to H. Gold, New York, one-sixth to G. Hopp, Flushing, and one-sixth to H. Hopp and one-sixth to H. Caplan, St. Albans, N. Y. Mirror display sign. 2,504,331, Apr. 18.
Hopp, Leo, New York, and E. Mallman, Forest Hills, assignors to The Hopp Press Inc., New York, N. Y. Division plate. 2,535,289, Dec. 26.
Hopp, Philip: *See*—
Hopp, Hermann and P.
Hopp, Philip, assignor to The Hopp Press Inc., New York, N. Y. Portable stand or rack. 2,520,881, Aug. 29.
Hopp Press Inc., The, assignee: *See*—
Hopp, Leo, and Mallman.
Hopp, Philip.
Hopp, Selma, assignee: *See*—
Hopp, Hermann and P.
Hoppe, Albert H. R. C.: *See*—
Forslund, Bror W., and Hoppe.
Hoppe, Edgar B., assignor to St. Regis Paper Company, New York, N. Y. Bag with extensile sealed liner. 2,493,348, Jan. 3.
Hoppe, Edgar B., assignor to St. Regis Paper Company, New York, N. Y. Bag with extensile sealed liner and making same. 2,493,349, Jan. 3.
Hoppe, Mathew W., Mercedes, Tex. Window lock and adjuster. 2,511,636, June 13.
Hoppe, William, Longmeadow, assignor to National Bread Wrapping Machine Co., Springfield, Mass. Label feeding mechanism. 2,518,011, Aug. 8.
Hoppens, Harold A., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Polymerizable polyesters. 2,532,498, Dec. 5.
Hopper, Dwight L., Pittsburgh, Pa., assignor, by mesne assignments, to The United States of America as represented by the United States Atomic Energy Commission. Pump. 2,499,645, Mar. 7.
Hopper, James L., Albany, Calif. Auto mirror bracket. 2,520,365, Aug. 29
Hopper Machine Works, Inc., assignee: *See* —
Blackmarr, Byron F.
Hopper, Ottis L., Detroit, Mich. Bearing oil groove cutter. 2,524,910, Oct. 10.
Hopper, Shirley D., Manteca, Calif. Side delivery truck tank. 2,530,613, Nov. 21.
Hopper, William H., Edison, and V. R. Drake, Los Angeles, Calif., assignors to Washmobile Corporation. Vehicle washer. Re. 23,294, Nov. 21.
Hopperstead, Sever L., Brighton, Mich., assignor to The B. F. Goodrich Company, New York, N. Y. Fungicidal composition. 2,530,770, Nov. 21.
Hoppmann, William H., II: *See*—
Taylor, Edward C., Hoppmann, II, and Lager.
Hopps, Lewis, Darien, Conn., and P. A. Smith, Pelham Manor, N. Y., assignors to The Indiana Steel Products Company, Chicago, Ill. Magnetic sandpaper holder. 2,503,619, Apr. 11.
Hopwood, John M., Mount Lebanon, Pa., assignor to Hagan Corporation. Threadless coupling. 2,496,667, Feb. 7.
Horan, Maurice K., North Hollywood, and J. W. Cade, La Canada, assignors of twenty per cent to L. W. Valbert, Barstow, thirty per cent to W. F. Barnes, Glendale, thirty-five per cent to said Horan, ten per cent to said Cade, and five per cent to L. C. Fay, Los Angeles, Calif. Recording the readings of meters. 2,518,691, Aug. 15.
Horatschke, Francisco J., and R. W. Hering, Rio de Janeiro, Brazil. Timber joint. 2,524,911, Oct. 10.

Horback, William, Irvington, N. J., assignor to Celanese Corporation of America. Hot melt coating composition. 2,510,177, June 6.

Horbetz, John O., Salt Lake City, Utah. Vaporizing type blast whirl oil burner. 2,531,272, Nov. 21.

Horclois, Raymond J.: *See*— Marcilhacy, Daniel M. G., and Horclois.

Horclois, Raymond J., Malakoff, assignor to Societe des Usines Chimiques Rhone-Poulenc, Paris, France. Dimethylaminoalkylamino antihistiminic compounds. 2,502,151, Mar. 28.

Hord, Allen L., Ruckersville, Va. Chair bottom retainer. 2,499,956, Mar. 7.

Hord, Otis P., and H. M. Hurst, Gastonia, N. C. Clearer for the top drawing rollers of spinning machines. 2,513,872, July 4.

Horkey, Edward J., Rolling Hills, Calif., assignor to North American Aviation, Inc. Resiliently interconnected aileron and rudder control system for aircraft. 2,518,012, Aug. 8.

Horlacher, Albert F., Palatine, assignor to C. P. Clare & Company, Chicago, Ill. Gang relay switch arrangement. 2,500,413, Mar. 14.

Hormann, Harold A., Media, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Liquid phase cracking of hydrocarbons with water-saturated catalysts. 2,495,723, Jan. 31.

Hormats, Saul, Baltimore, Md. Impregnated protective charcoal and its manufacture. 2,528,517, Nov. 7.

Hormel, Geo. A., & Company, assignee: *See*— Murphy, Laurence W.

Horn, Elmer W., Forest, Ohio. Cultivator attachment for farm tractors. 2,528,144, Oct. 31.

Horn, Harry J., assignor to Motor Wheel Corporation, Lansing, Mich. Cover for vehicle wheels. 2,522,271, Sept. 12.

Horn, Harry J., assignor to Motor Wheel Corporation, Lansing, Mich. Vehicle wheel cover attachment clip. 2,526,026, Oct. 17.

Horn, Merl E., Forest Hills, and T. Lindstrom, Edgewood, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control mechanism for circuit breakers. 2,523,116, Sept. 19.

Horn, William D., New York, and J. Lukacs, Long Island City, N. Y., said Lukacs assignor to said Horn. Chart viewer. 2,499,646, Mar. 7.

Horn, William S., Fort Worth, Tex. Hospital cabinet-commode. 2,495,374, Jan. 24.

Horn, William S., Fort Worth, Tex. Bedpan commode. 2,530,965, Nov. 21.

Hornaday, George F., Woodbury, N. J., assignor to Houdry Process Corporation, Wilmington, Del. Treating clay catalysts used for conversion of sulfur containing feeds. 2,494,556, Jan. 17.

Hornaday, James R.: *See*— Alexander, Donald F., Kuhn, and Hornaday.

Hornak, Regina L., Baltimore, Md., and J. J. Halbig, Middletown, Ohio, assignors to Armco Steel Corporation. Coloring stainless steel. 2,521,580, Sept. 5.

Hornbeck, Donald W., assignee: *See*— Orshansky, Elias, Jr.

Hornberger, Carl S.: *See*— Hangosky, Clarence W., and Hornberger.

Hornberger, Floyd L., Akron, assignor to E. J. Miller, Columbus, Ohio. Apparatus for forming and applying stone-simulating wall finishes. 2,517,432, Aug. 1.

Hornbostel, Lloyd, assignor to Beloit Iron Works, Beloit, Wis. High-pressure fluid sealing assembly. 2,496,471, Feb. 7.

Hornbostel, Lloyd, assignor to Beloit Iron Works, Beloit, Wis. Stock inlet. 2,509,822, May 30.

Hornbostel, Lloyd, assignor to Beloit Iron Works, Beloit, Wis. Press roll assembly. 2,512,648, June 27.

Hornbostel, Lloyd, assignor to Beloit Iron Works, Beloit, Wis. Differential drive. 2,514,240, July 4.

Hornbostel, Lloyd, assignor to Beloit Iron Works, Beloit, Wis. Tension control device. 2,525,600, Oct. 10.

Hornbostel, Lloyd, assignor to Beloit Iron Works, Beloit, Wis. Web guide. 2,530,122, Nov. 14.

Hornbostel, Lloyd, and J. E. Goodwillie, assignors to Beloit Iron Works, Beloit, Wis. Dipper for grooved drier drums. 2,521,371, Sept. 5.

Horne, Hal, New York, N. Y. Musical instrucent. 2,525,134, Oct. 10.

Horne, Hal, New York, N. Y. Musical instrument. 2,529,693, Nov. 14.

Horne, William A., Oakmont, and J. F. Jungé, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Desulfurization of light petroleum hydrocarbons. 2,516,876, Aug. 1.

Horne, William A., Oakmont, and J. F. Jungé, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Desulfurization of heavy petroleum hydrocarbons. 2,516,877, Aug. 1.

Horner, Aurelius P., Montclair, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Selectable loudspeaker-earphone sound system. 2,511,917, June 20.

Horner, Herbert J., Dayton, Ohio. Method and apparatus for determining malposition of vertebrae. 2,532,915, Dec. 5.

Horner, Kenneth W., London, assignor to Electric & Musical Industries Limited, Hayes, England. Selectable band width coupling network. 2,509,062, May 23.

Hornfeck, Anthony J., Cleveland Heights, Ohio, assignor to Bailey Meter Company. Antihunt electrical measuring system. 2,494,876, Jan. 17.

Hornfeck, Anthony J., Cleveland Heights, Ohio, assignor to Bailey Meter Company. Control system. 2,495,844, Jan. 31.

Hornfeck, Anthony J., Cleveland Heights, Ohio, assignor to Bailey Meter Company. Measuring and controlling system. 2,529,450, Nov. 7.

Hornfeck, Anthony J., Lyndhurst, Ohio., assignor to Bailey Meter Company. Telemetric system. 2,524,665, Oct. 3.

Hornfeck, Anthony J., Lyndhurst, Ohio, assignor to Bailey Meter Company. Measuring and controlling system. 2,531,682, Nov. 28.

Hornibrook, Walter J., McMasterville, assignor to Canadian Industries Limited, Montreal, Quebec, Canada. Compositions of polyvinyl acetals and polymeric 4-vinylcyclohexene dioxide. 2,503,873, Apr. 11.

Hornik, Roland G., Cedarburg, and S. E. Wood, Thiensville, Wis. Double propeller for stirring paints. 2,496,007. Jan. 31.

Horning, Herman, New York, N. Y. Windshield for cigarette lighters. 2,505,047, Apr. 25.

Horning, James W., assignor of one-half to S. H. Evert, Bloomsburg, Pa. Pack-type parachute and releasing means. 2,497,772, Feb. 14.

Horning, James W., Bloomsburg, assignor of one-half to E. D. Ney, Shickshinny, Pa. Means to control the rate of opening of a parachute. 2,517,488, Aug. 1.

Horning, Raymond H., assignor to Oswego Falls Corporation, Fulton, N. Y. Container closure. 2,493,671, Jan. 3.

Hornkohl, Carl J., Chicago, and F H. Leslie, Glen Ellyn, Ill. Icing mechanism. 2,501,175, Mar. 21.

Hornsby, Fred A., Jr., assignor to Mine Safety Appliances Company, Pittsburgh, Pa. Protective hat. 2,504,979, Apr. 25.

Hornschuch, Hanns, Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Pumping unit. 2,514,865, July 11.

Hornschuch, Hanns, Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Oiling device for bearings. 2,515,153, July 11.

Hornschuch, Hanns, Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Mounting device for pump impellers. 2,526,751, Oct. 24.

Hornung, Art F., assignor of one-fourth to P. S. Harper and one-fourth to C. L. Harper, Chicago, Ill., one-fourth to Harris Trust and Savings Bank, as trustee of The Philip S. Harper Trust, and one-fourth to said Harris Trust and Savings Bank as trustee of the Carolyn L. Harper Trust. Flash tube and mounting bracket for gas burners. 2,511,208, June 13.

Horowitz, Alexandre, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Apparatus comprising a revolving head for tuning devices. 2,497,773, Feb. 14.

Horowitz, Alexandre, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electrical connection. 2,504,023, Apr. 11.

Horowitz, Herbert, assignee: *See*— Spiegel, Milton, and Horowitz.

Horres, Eugene S., U. S. Navy. Moving picture projector attachment. 2,506,595, May 9.

Horsák, Drahomír, Brunn-Kralovo Pole, Czechoslovakia. Wood filling material and its manufacture. 2,509,642, May 30.

Horsák, Drahomír, Opava, Czechoslovakia. Device for the production of artificial fibers. 2,509,735, May 30.

Horsley, Caperton B.: *See*— Seavey, Gordon C., and Horsley.

Horsley, Caperton B., Stamford, Conn., assignor to Ultrasonic Corporation, Boston, Mass. Acoustic device. 2,532,229, Nov. 28.

Horsley, Caperton B., Stamford, Conn., and G. C. Seavey, Arlington, assignors to Ultrasonic Corporation, Cambridge, Mass. Apparatus for generating sound waves. 2,514,129, July 4.

Horsley, Caperton B., Stamford, Conn., and G. C. Seavey, Arlington, Mass., assignors to Ultrasonic Corporation, Cambridge, Mass. Agglomerating aerosols. 2,535,679, Dec. 26.

Horsley, Caperton B., Stamford, Conn., and R. E. Young, Buffalo, N. Y., assignors to Ultrasonic Corporation, Cambridge, Mass. Method and apparatus for generating sound waves. 2,535,680, Dec. 26.

Horsnell's Machine and Iron Works, Ltd., assignee: *See*— Gilbey, John S.

Horstkotte, Gerry A., Bend, Oreg. Shadow line guide for sawmill edgers. 2,510,471, June 6.

Horstman, Clifford C.: *See*— Nagel, Fritz J., and Horstman.

Horstman, Clifford C., and J. H. Bramble, Sharpsville, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Wound core. 2,495,167, Jan. 17.

Horstman, Richard L.: *See*— Oelfke, Floyd L., and Horstman.

Horstman, Richard L., and F. L. Oelfke, Kansas City, Mo. Double pane window. 2,526,752, Oct. 24.

Horstman, Walter F., York, Pa., assignor to General Electric Company. Reinforced asbestos tape and making same. 2,523,022, Sept. 19.
Horstman, Walter G., Des Moines, Iowa. Exercising stool. 2,494,094, Jan. 10.
Horswell, Alfred H.: *See*—
Bahney, Luther W., and Horswell.
Horton, Aaron W., Hamden, Conn., assignor to Socony-Vacuum Oil Company, Incorporated. Dehydrogenation of alcohols with sulfur. 2,522,676, Sept. 19.
Horton, Erwin C.: *See*—
Oishei, John R., Horton, and Scinta.
Horton, Erwin C., Hamburg, assignor to Trico Products Corporation, Buffalo, N. Y. Window operating system. 2,528,145, Oct. 31.
Horton, Erwin C., Hamburg, and A. Rappl, Eggertsville, assignors to Trico Products Corporation, Buffalo, N. Y. Fluid actuated window operator with self-energizing lock. 2,515,712, July 18.
Horton, George T., Chicago, Ill., assignor to Chicago Bridge & Iron Company. Elevated tank. 2,495,724, Jan. 31.
Horton, Grover C., and C. Kitchens, Oneonta, Ala., said Kitchens assignor to said Horton. Axially shifting type pedestal mounted tire removing device. 2,500,285, Mar. 14.
Horton, Kenneth W., Troy, N. Y. Broken blade hack saw attachment. 2,520,145, Aug. 29.
Horton, Malcolm F., Goldthwaite, Tex. Under bench saw for cutting various sections of wood. 2,513,873, July 4.
Horton Manufacturing Company, assignee: *See*—
Bradley, William H.
Brotman, Hyman D.
Kortum, Herman W.
Horton, Mason E.: *See*—
Clark, James L., and Horton.
Horton, Ralph, Groton, Conn., and M. H. Olstad, Port Washington, assignors to Niagara Blower Company, New York, N. Y. Condenser. 2,501,518, Mar. 21.
Horton, William A., Larned, assignor of one-half to Larned Poultry & Egg Company, Newton, Kans. Dissolving apparatus. 2,502,726, Apr. 4.
Horton, William E., Highland Park, Calif., assignor to Lovaas Enterprises, Inc., Las Vegas, Nev. Photoelectric web controlled sound reproducer. 2,534,715, Dec. 19.
Horton, William H., assignor to Eastman Kodak Company, Rochester, N. Y. Extension column lock. 2,503,738, Apr. 11.
Horvath, Alex, Chicago, Ill. Oscillating rack actuated drive. 2,533,807, Dec. 12.
Horvath, Alexander, Clifton, N. J., assignor to Federal Telecommunication Laboratories, Inc., New York, N. Y. Single tuned circuit ultra high frequency oscillator. 2,513,324, July 4.
Horvath, Daniel J., Detroit, Mich. Container for a checkerboard and pieces. 2,500,824, Mar. 14.
Horvath, Frank J., assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Cushioned handle for portable percussive tools. 2,500,036, Mar. 7.
Horvath, John F., assignor to Appliance Corporation of America, Milwaukee, Wis. Laundry machine having vertically reciprocable tub. 2,499,025, Feb. 28.
Horvath, John F., assignor to Appliance Corporation of America, Milwaukee, Wis. Laundry machine having rockable tubs. 2,520,685, Aug. 29.
Horvath, Joseph S., assignor to The Plastic Mold Die & Tool, Inc., Bridgeport, Conn. Mold with tungsten carbide insert. 2,495,064, Jan. 17.
Horwitch, Philip R., assignor to Paramount Manufacturing Company, Leominster, Mass. Separable projector catcher. 2,515,226, July 18.
Horwitt, Nathan G., Lenox, Mass. Printed picture mat sheet. 2,504,332, Apr. 18.
Horwitz, Alfred S.: *See*—
Cahill, Lysle D., Buhl, and Horwitz.
Horwitz, Henry L., Jamaica, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Pulse correcting repeater. 2,495,725, Jan. 31.
Hose, Alfred G., Lakewood, and D. C. Dilley, Shaker Heights, assignors to The Lindsay Wire Weaving Company, Cleveland, Ohio. Seam for woven wire fabric. 2,496,052, Jan. 31.
Hosey, Harry A., Old Hickory, Tenn. Clip for suspending articles. 2,501,519, Mar. 21.
Hoskins, Nathan D., Parsons, Tenn. Cam operated jar cap wrench. 2,521,011, Sept. 5.
Hoskinson, Gordon H., Memphis, assignor to Continental Thermotrol, Incorporated, Kahoka, Mo. Oil temperature control system for engines. 2,524,798, Oct. 10.
Hosler, Donald W., Bay Village, Ohio. Antifriction screw device. 2,508,261, May 16.
Hosmer, Frazier O.: *See*—
Hosmer, Robert S. and F. O.
Hosmer, George H., Arlington, Mass. Table game. 2,500,683, Mar. 14.
Hosmer, Robert S. and F. O., Birmingham, Ala. Paper strip cutter and gluing apparatus. 2,503,439, Apr. 11.
Hossfeld Manufacturing Company, assignee: *See*—
Mann, William H., and Schmidt.
Hossu, Alexander, Astoria, N. Y. Perpetual calendar. 2,519,188, Aug. 15.
Host, John J., Lincolnwood, Ill., assignor to American Optical Company, Southbridge, Mass. Slide carrier. 2,496,724, Feb. 7.
Host, John J., Park Ridge, Ill., assignor to American Optical Company, Southbridge, Mass. Microscope with self-contained illuminator and rotatable diaphragm. 2,503,389, Apr. 11.
Hostetter, Jacob B., St. Catharines, Ontario, assignor to T. G. Bright & Co. Limited, Niagara Falls, Ontario, Canada. Vineyard cultivator guided by the tractor steering mechanism. 2,522,227, Sept. 12.
Hot Kap Manufacturing Company, assignee: *See*—
Schindler, Walter R.
Hotcaveg, Irwin, Chicago, Ill. Simulated boxing toy. 2,496,725, Feb. 7.
Hotchkiss, Arch, Jr., San Diego, assignor to Reconstruction Finance Corporation, Los Angeles, Calif. Adjustable spanner wrench. 2,504,418, Apr. 18.
Hotchkiss, E. H., Company, The, assignee: *See*—
Peterson, Roy E.
Hotchkiss, Thomas, Sr., St. Louis, Mo. Automatic coupler for trailers. 2,499,750, Mar. 7.
Hotchner, Fred, Los Angeles, Calif. Animated display. 2,507,787, May 16.
Hotchner, Fred, Los Angeles, Calif. Display with animation effects. 2,507,788, May 16.
Hotchner, Fred, Los Angeles, Calif. Retroreflective animation display. 2,507,975, May 16.
Hotentot Industries Limited, assignee: *See*—
Tully, Edward E., and Norris.
Hoth, Daniel F., Englewood, N. J. Speech privacy apparatus. 2,531,435, Nov. 28.
Hotop, Norbert C., Kalamazoo, Mich. Body for plumbers' trucks. 2,530,578, Nov. 21.
Hotpoint Inc., assignee: *See*—
Berg, Leo F.
Berg, Leo F., and McDowell.
Ettinger, Wallace J.
Kirk, Francis E.
Schulze, Herman W.
Hott, Charles R., Cleveland, Ohio. Curtain rod and shade roller bracket arrangement. 2,521,062, Sept. 5.
Hott, Ion V. K., and J. P. Gentry, assignors to The Joyce-Cridland Company, Dayton, Ohio. Method and apparatus for adjusting axle engaging members of automobile lifts. 2,517,789, Aug. 8.
Hottenroth, Frederick W., assignor to Penn Electric Switch Co., Goshen, Ind. Temperature control system. 2,500,414, Mar. 14.
Hottenroth, Frederick W., assignor to Penn Electric Switch Co., Goshen, Ind. Pressure operated switch. 2,522,717, Sept. 19.
Hotzler, Otto E., and W. E. Schultz, Mountain Lake, Minn. Signal-equipped container. 2,494,944, Jan. 17.
Houck, Robert B., assignor to Eastman Kodak Company, Rochester, N. Y. Multiple image view finder. 2,529,944, Nov. 14.
Houck, Robert C.: *See*—
Dean, David, and Houck.
Houdaille-Hershey Corporation, assignee: *See*—
Arbib, Richard H.
Balmer, James G., Jr.
Browne, William H., and Lindemann.
Dall, Edward D.
Fergueson, Arthur P.
Hufferd, George H.
Jandus, Herbert S.
Kasper, Arthur S.
Magrum, Gervase M.
Magrum, Gervase M., and O'Connor.
O'Connor, Bernard E.
Robinson, Thomas E., and Hartlep.
Sandberg, Ray A.
Schatzman, George W.
Sebok, Joseph B.
Houdek, Joseph F., Jr., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Telephone substation ringer. 2,516,214, July 25.
Houdek, Joseph F., Jr., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Telephone set with means for adjusting its antisidetone circuit. 2,524,350, Oct. 3.
Houdry, Eugene J., Ardmore, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Conversion of hydrocarbons. 2,507,523, May 16.
Houdry, Eugene J., Ardmore, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Producing hydrocarbon vapors. 2,520,146, Aug. 29.
Houdry Process Corporation, assignee: *See*—
Ardern, David B.
Bland, Rophie E.
Bond, George R., Jr.
Bond, George R., Jr., and Mills.
Caldwell, Clyde L.
Evans, James E.
Faragher, Warren F.
Ford, John E., Jr.
Grosse, Aristid V., and Snyder.
Hormann, Harold A.
Hornaday, George F.
Houdry, Eugene J.
Lassiat, Raymond C.
Milliken, Thomas H., Jr., and Lebeis.
Mills, George A.
Mills, George A., and Cornelius.
Monnik, Harmon J., and Eickhoff.
Savage, Reuben T.

Houdry Process Corporation, assignee: *See*—Continued.
Savage, Reuben T., and McKinney.
Shabaker, Hubert A.
Shirk, Robert M.
Smith, Elgene A.
Snyder, John C., and Grosse.
Strader, Leroy F.

Hough, George H., C. D. White, and W. D. R. Rivers, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Electric discharge tube. 2,527,552, Oct. 31.

Houghton, Albert A., Datchet, England, assignor to Imperial Chemical Industries, Limited. Manufacture of hot and cold water soluble cellulose ethers. 2,513,725, July 4.

Houghton, Augustus S., Rivervale, N. J., and F. R. Lowdermilk, Philadelphia, Pa., assignors to Allied Chemical & Dye Corporation, New York, N. Y. Production of xylidine. 2,499,918, Mar. 7.

Houghton, Daniel E., Washington, D. C., assignor, by mesne assignments, to New York Wire Cloth Company, York, Pa. Loom shuttle. 2,534,598, Dec. 19.

Houghton, David B., Leslie, Ark. Wrench. 2,522,038, Sept. 12.

Houghton, Harry W., Hingham, assignor to Safety Fumigant Company, Boston, Mass. Fumigant briquette. 2,519,045, Aug. 15.

Houghton, Joseph Y., assignee: *See*—
Privott, John S.

Houghton, Le Roy, assignee: *See*—
Pozun, John L.
Pozun, John L., and Houghton.

Houghton, Leslie W.: *See*—
Chatterjea, Prafulla K., and Houghton.

Houghton, Leslie W., and D. M. Ambrose, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Frequency dividing arrangement. 2,495,726, Jan. 31.

Houghton, Lyle S., Brentwood, and K. W. Ellis, Webster Groves, assignors to Alco Valve Company, University City, Mo. Dispenser. 2,517,206, Aug. 1.

Houghton, William D., Port Jefferson, N. Y., assignor to Radio Corporation of America. Channel unit for multiplex systems. 2,495,168, Jan. 17.

Houghton, William D., Port Jefferson, N. Y., assignor to Radio Corporation of America. Time division multiplex system. 2,518,013, Aug. 8.

Houghton, William D., Port Jefferson, N. Y., assignor to Radio Corporation of America. Compensated channel selector. 2,531,817, Nov. 28.

Houghton, William D., Port Jefferson, N. Y., assignor to Radio Corporation of America. Pulse selective system. 2,532,843, Dec. 5.

Hougland, Allen W., Detroit, assignor to Production Broaching Corporation, Wayne County, Mich. Broach. 2,525,098, Oct. 10.

Houk, Alva L., San Luis Obispo, Calif., and L. H. Bock, Huntingdon Valley, assignors to Röhm & Haas Company, Philadelphia, Pa. Insolubilized cellulose ether. 2,498,208, Feb. 21.

Houk, Mansel E., Pittsburgh, Pa., assignor to Carnegie-Illinois Steel Corporation. Undulating roll. 2,518,785, Aug. 15.

Houlet, Félix, Paris, France. Device for resuperheating steam in prime movers. 2,509,302, May 30.

Houlihan, Rudolph N., assignor to The Bridgeport Metal Goods Manufacturing Company, Bridgeport, Conn. Cosmetic holder. 2,520,933, Sept. 5.

Houlihan, Rudolph N., assignor to The Bridgeport Metal Goods Manufacturing Company, Bridgeport, Conn. Cosmetic holder. 2,521,167, Sept. 5.

Houlihan, Rudolph N., assignor to The Bridgeport Metal Goods Manufacturing Company, Bridgeport, Conn. Cosmetic holder. 2,521,168, Sept. 5.

Houlihan, Rudolph N., assignor to The Bridgeport Metal Goods Manufacturing Company, Bridgeport, Conn. Cosmetic holder. 2,521,169, Sept. 5.

Houlis, Louis D., Cincinnati, Ohio. Pressure ribbon-type gas burner. 2,494,243, Jan. 10.

Houpt, Alfred G., Stamford, and C. W. Smith, Cos Cob, Conn., assignors to American Cyanamid Company, New York, N. Y. Pressurized reaction of ammoniacal gases to HCN. 2,496,999, Feb. 7.

Houpt, Jesse M., Sioux City, Iowa. Kitchen sink and cabinet combined. 2,532,769, Dec. 5.

House Beautiful Curtains, Inc., assignee: *See*—
Levine, Paul, and Ted.

House, Bryan E.: *See*—
Goepfrich, Rudolph A., and House.

House, Bryan E., assignor to Bendix Aviation Corporation, South Bend, Ind. Brake. 2,506,084, May 2.

House, Bryan E., assignor to Bendix Aviation Corporation, South Bend, Ind. Brake. 2,509,643, May 30.

House, Bryan E., assignor to Bendix Aviation Corporation, South Bend, Ind. Brake. 2,516,995, Aug. 1.

House, Bryan E., and R. A. Goepfrich, assignors to Bendix Aviation Corporation, South Bend, Ind. Brake. 2,502,948, Apr. 4.

House, Frank R., Baldwin, N. Y. Hose reel. 2,501,333, Mar. 21.

House, Kenneth R.: *See*—
Olpin, Henry C., and House.

House of Modern Medical Appliances Company, assignee: *See*—
Hauser, John M.

Houser, Harold, Waterloo, Iowa. Trip rope holder. 2,493,247, Jan. 3.

Houser, Harry P., Vinton, Iowa. Mechanical clothes drying appliance for domestic use. 2,534,771, Dec. 19.

Houser, Philip H., Swampscott, Mass., assignor to General Electric Company. Electrical control system. 2,505,546, Apr. 25.

Houser, Rowland G., San Francisco, assignor to Marite Products, Inc., Grass Valley, Calif. Paint material. 2,532,099, Nov. 28.

Housh, C. N., assignee: *See*—
Robishaw, Alces P.

Housman, Abraham J., Jamaica Plain, Mass. Power supply system. 2,505,185, Apr. 25.

Houston Corporation, The, assignee: *See*—
Houston, Herbert W.

Houston, David F., El Cerrito, Calif., assignor to the United States of America as represented by the Secretary of Agriculture. Alkyl ethers of 3-hydroxyphenothiazine. 2,505,722, May 2.

Houston, David F., El Cerrito, Calif., assignor to the United States of America as represented by the Secretary of Agriculture. Oxidative method of producing 7-hydroxyphenothiazone-3. 2,516,120, July 25.

Houston, David F., El Cerrito, and E. B. Kester, Berkeley, Calif., assignors to the United States of America as represented by the Secretary of Agriculture. Ethers of 7-hydroxyphenothiazone-3. 2,504,980, Apr. 25.

Houston, George J., Scranton, Pa. Rattrap. 2,532,916, Dec. 5.

Houston, George J., Scranton, Pa. Stationary grip attachment for spinning socket wrenches. 2,517,878, Aug. 8.

Houston, Herbert W., Sherman Oaks, assignor to The Houston Corporation, Los Angeles, Calif. Film holding device. 2,528,366, Oct. 31.

Houston, Joseph B.: *See*—
Kurtz, Earl M., and Houston.

Houston Oil Field Material Company, Inc., assignee: *See*—
Thurston, Frank M., and Justice.

Houston, Paul H., Fairmont, W. Va. Sun shield. 2,530,881, Nov. 21.

Houston, Robert L., New York, and R. E. Smith, Mount Vernon, assignors to International Business Machines Corporation, New York, N. Y. Punching machine. 2,521,372, Sept. 5.

Hout, Ellie M., Minneapolis, Minn. Weed puller. 2,525,678, Oct. 10.

Houth, George N.: *See*—
La Piana, Fred G., and Houth.
La Piana, Fred G., Houth, and Farrell.

Houth, Joseph W., Aiken, and P. L. and F. T. Miller, Clearwater, S. C., assignors to United Merchants & Manufacturers, Inc., Wilmington, Del. Method of and apparatus for removing edge roll from cloth subject to the same. 2,510,313, June 6.

Houtman, Johannes P. W., and G. C. A. Schuit, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif. Production of copper-magnesia hydrogenation catalyst and its use in hydrogenation reactions. 2,524,566, Oct. 3.

Houtman, Thomas, Jr., assignor to The Dow Chemical Company, Midland, Mich. Protection of vinylidene chloride polymers from the effects of light. 2,519,189, Aug. 15.

Hoven, Alfred C., assignor to American Seating Company, Grand Rapids, Mich. Retracting type theater chair. 2,500,124, Mar. 7.

Hoven, Alfred C., W. E. Nordmark, and W. S. Lindberg, assignors to American Seating Company, Grand Rapids, Mich. Mechanical linkage. 2,506,151, May 2.

Hoven, Alfred C., and W. S. Lindberg, assignors to American Seating Company, Grand Rapids, Mich. Chair structure. 2,517,433, Aug. 1.

Hoven, Alfred C., W. E. Nordmark, and W. S. Lindberg, assignors to American Seating Company, Grand Rapids, Mich. Retracting type theater chair. 2,529,451, Nov. 7.

Hovermale, Alfretta, administratrix: *See*—
Hovermale, James E.

Hovermale, James E., deceased, Salt Lake City, by A. Hovermale, administratrix, Salt Lake City, Utah. Washing machine. 2,508,948, May 23.

Hovey, C. Earl, assignee: *See*—
Bloomfield, Samuel, and Wallach.
Manley, Warren O.

Hovey, Roger S., Bartlesville, Okla., assignor to Phillips Petroleum Company. Catalytic conversion of hydrocarbons. 2,514,866, July 11.

Hovey-King, Albert K., Falls Church, Va., and J. H. Lockhart, assigners to Paving Supply and Equipment Company, Washington, D. C. Timber drag. 2,518,322, Aug. 8.

Howald, Werner T., Brooklyn, N. Y. Toolholder. 2,517,668, Aug. 8.

Howard, Archie, and W. L. Morrison, Richmond, Ind. Center punch. 2,519,908, Aug. 22.

Howard, Arthur C., Hunslet, Leeds, England. Combustion chamber for compression ignition internal-combustion engines. 2,513,874, July 4.

Howard, Arthur C., Leeds, England. Suspension system for tractors and like vehicles. 2,534,772, Dec. 19.

Howard, Arthur C., Upminster, assignor of one-half to Rotary Hoes Limited, East Horndon, England. Quick release detent pawl. 2,501,603, Mar. 21.
Howard, Arthur C., Upminster, assignor of one-half to John Fowler & Co. (Leeds) Limited, Hunslet, England. Gear box. 2,517,879, Aug. 8.
Howard, Arthur G., Flint, Mich. Refrigerated cabinet. 2,500,609, Mar. 14.
Howard, Austin L., Washington, D. C. Article supporting device. 2,506,596, May 9.
Howard, Bernard: *See*—
Barbara, Louis J., and Klein and Howard.
Howard, Bryan J., Venango Township, Erie County, Pa. Combined strainer and support therefor. 2,509,098, May 23.
Howard, Bryan J., Venango Township, Erie County, Pa. Structural hoop for silos and the like. 2,524,126, Oct. 3.
Howard, Charles L., Claremont, Calif., assignor to The Pyle-National Company, Chicago, Ill. Clear and red warning headlight. 2,515,406, July 18.
Howard, Charles O., Columbus, Ohio. Power transmission for grass mower traction wheels. 2,500,077, Mar. 7.
Howard, Charles W., Franklin, Ohio. Centrifugal separator. 2,510,781, June 6.
Howard, Clifford M., Fontana, Calif. Overshot grab fishing tool for oil wells. 2,502,567, Apr. 4.
Howard, Earl N., assignee: *See*—
Thompson, Ross.
Howard, Edwin C.: *See*—
Fenelon, Earl S., Jr., and Howard.
Howard, Forbes, Grosse Pointe, Mich., assignor to United-Carr Fastener Corporation, Cambridge, Mass. Pronged stud fastener. 2,515,827, July 18.
Howard Foundry Company, assignee: *See*—
Howard, Frank C.
Howard, Frances B., Columbus, Miss. Combined foldable toothbrush and powdered dentifrice dispenser. 2,505,547, Apr. 25.
Howard, Frank A., New York, N. Y. Collection and removal of mine gas. 2,508,949, May 23.
Howard, Frank A., Elizabeth, and A. D. Green, Cranford, N. J., assignors to Standard Oil Development Company. The Friedel-Crafts catalyzed low-temperature polymerization of iso-olefins. 2,507,105, May 9.
Howard, Frank C., assignor to Howard Foundry Company, Chicago, Ill. Tilting feed manger. 2,523,762, Sept. 26.
Howard, Frank L.: *See*—
Weil, Leopold, Woodward, Howard, and Keil.
Howard, Frank L., Los Angeles, Calif. Cutting machine. 2,502,043, Mar. 28.
Howard, Frank L., Silver Spring, and D. B. Brooks, Chevy Chase, Md., assignors to the United States of America as represented by the Secretary of Commerce. Production of isononanes. 2,512,649, June 27.
Howard, Frank S., Chicago, Ill., assignor to Birtman Electric Company. Edge support for the opening of vacuum cleaner bags or the like. 2,516,121, July 25.
Howard, Frank S., Chicago, Ill., assignor to Birtman Electric Company. Rear attachment for suction cleaners. 2,525,801, Oct. 17.
Howard, George E., Butler, Pa. Speed governor. 2,493,407, Jan. 3.
Howard, George E., Gates, assignor to Taylor Instrument Companies, Rochester, N. Y. Control system with remote set point adjustment and with remote indication. 2,529,875, Nov. 14.
Howard, Harry A., assignor to Armour and Company, Chicago, Ill. Section model of meat animals. 2,501,520, Mar. 21.
Howard, Hugh B., Sr., Pittsburg, Tex. Potato digger with soil pulverizing and sifting screw. 2,521,581, Sept. 5.
Howard Iron Works, Inc., assignee: *See*—
Meixl, Carl.
Howard, Karl S., Haverford, Pa., assignor to General Steel Castings Corporation, Granite City, Ill. Mold. 2,514,952, July 11.
Howard, Kenneth L., Westfield, N. J., assignor to American Cyanamid Company, New York, N. Y. Preparation of n-substituted piperazines. 2,525,223, Oct. 10.
Howard, Le Roy, Beverly, assignor to Parker Brothers, Inc., Salem, Mass. Board game apparatus. 2,495,007, Jan. 17.
Howard, Lewis F., Fort Worth, Tex. Locking device for nuts and bolts. 2,534,446, Dec. 19.
Howard, Paul L.: *See*—
Denison, Irving A., and Howard.
Howard, Robert A., Lexington, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Comparator circuit. 2,498,548, Feb. 21.
Howard, Robert R., Oak Park, Ill., and R. N. Himmel, Collingswood, N. J., assignors to Radio Corporation of America. Sound locating equipment. 2,535,134, Dec. 26.
Howard, Royal V., San Francisco, Calif. Automatic regulating system and peak limiter. 2,533,253, Dec. 12.
Howard Sales Company, assignee: *See*—
Hoffman, Allen S.
Howard, Stanley R., Milton, assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Adhesive applying mechanism. 2,494,176, Jan. 10.
Howard, Stanley R., Milton, assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Automatic weighing and packaging apparatus. 2,502,380, Mar. 28.
Howard, Stanley R., Milton, assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Container forming machine. 2,529,732, Nov. 14.
Howard, Stanley R., Milton, and J. G. Vergobbi, assignors to Pneumatic Scale Corporation, Limited, Quincy, Mass. Method and apparatus for producing a package. 2,514,867, July 11.
Howard, Styles T., Jeffersonville, Ind. Portable gasoline stove. 2,498,682, Feb. 28.
Howard, Viola T., Saylesville, R. I., assignor to Swank, Inc. Back for necktie holders. 2,501,220, Mar. 21.
Howard, Wayne R.: *See*—
Brunken, Renke, Heck, and Howard.
Howard, William, Mineola, N. Y. Remotely controlled toy vehicle. 2,519,472, Aug. 22.
Howard, William A., assignee: *See*—
Shepard, Kelvin K.
Howard, William H., Niagara Falls, Ontario, Canada. Drafting instrument. 2,501,521, Mar. 21.
Howard, William L., assignor to Welin-Maclachlan Davits Limited, London, England. Boat-lowering apparatus. 2,506,085, May 2.
Howards & Sons Limited, assignee: *See*—
Goldberg, Alan A., and Kelly.
Howatt, Glenn N., assignor to Gulton Mfg. Corp., Metuchen, N. J. Stabilization of sensitivity of metallic titanate piezoelectric elements. 2,507,253, May 9.
Howden, James, & Company Limited, assignee: *See*—
Nelson, William.
Howe, Alfred H., New York, N. Y. Piano key balance. 2,509,063, May 23.
Howe, Alfred J., Oakland, assignor of one-half to S. R. Neider, San Francisco, Calif. Handcuff. 2,516,878, Aug. 1.
Howe, Andrew F., assignor to Centrifugal & Mechanical Industries, Inc., St. Louis, Mo. Centrifuge. 2,511,585, June 13.
Howe, Dennis J. T., assignor to Elliott & Sons Limited, Barnet, England. Stabilized gelatino silver halide photographic emulsion. 2,534,599, Dec. 19.
Howe, Edward G., Philadelphia, Pa., assignor to General Electric Company. Ceilometer recorder. 2,504,126, Apr. 18.
Howe, Eugene E.: *See*—
Tishler, Max, and Howe.
Howe, Eugene E., Bound Brook, and F. W. Holly, Cranford, assignors to Merck & Co., Inc., Rahway, N. J. Removal of pyrogens from amino acid solutions. 2,521,793, Sept. 12.
Howe, Eugene E., Linden, and M. Tishler, assignors to Merck & Co., Inc., Rahway, N. J. Pyrogen removal from streptomycin salts. 2,532,403, Dec. 5.
Howe, Faith V., Philadelphia, Pa. Blind picture. 2,523,828, Sept. 26.
Howe, Harold S.: *See*—
Benson, Arthur E., Howe, and Mossbart.
Howe, Herbert B., Chatham, N. J. Closure for steel barrels. 2,505,641, Apr. 25.
Howe, John R., Denver, Colo. Adjustable elevation grain loader. 2,533,261, Dec. 12.
Howe, John R., Denver, Colo. Power grain scoop unloader for vehicles. 2,534,266, Dec. 19.
Howe Machinery Company, Inc., assignee: *See*—
Agresti, Vincent A.
Howe, Oliver J., North Weymouth, Mass. Orthopedic shoe. 2,505,773, May 2.
Howe, Oliver J., North Weymouth, Mass. Artificial foot piece. 2,515,227, July 18.
Howe, Orville A., South Affton, Mo. Hanger for supporting corrugated sheets. 2,519,656, Aug. 22.
Howe, Patrick H., Jamaica, N. Y. Machine for trimming horses' feet. 2,499,098, Feb. 28.
Howe, Patrick H., Jamaica, N. Y. Hoof trimmer. 2,523,368, Sept. 26.
Howe, Robert E.: *See*—
Kimball, Thomas B., and Howe.
Howe, Wallace L.: *See*—
Jeppson, George N., and Howe
Jeppson, George N., Van der Pyl, and Howe.
Howe, Wallace L., West Boylston, assignor to Norton Company, Worcester, Mass. Manufacturing vitrified grinding wheels. 2,534,127, Dec. 12.
Howe, Wallace L., West Boylston, assignor to Norton Company, Worcester, Mass. Dry granular mix. 2,534,128, Dec. 12.
Howe, Wallace L., West Boylston, assignor to Norton Company, Worcester, Mass. Dry granular mix. 2,534,129, Dec. 12.
Howell, Albert S., Culver, Ind., assignor to Bell & Howell Company, Chicago Ill. Incandescent electric lamp socket, lamp, and adapter therefor. 2,504,419, Apr. 18.
Howell, Clifford B., assignee: *See*—
Sitnick, Peter A., and Christopher.
Howell, Edward N., Lombard, and E. W. D'Arcy, Chicago, Ill. Supersonic door control. 2,509,345, May 30.
Howell, Harry H., assignor to J. C. Hockery, F. L. and H. J. Talge, doing business as Rival Manufacturing Company, Kansas City, Mo. Pivoted arm cap gripper. 2,505,738, Apr. 25.

Howell, Hugh A., Valparaiso, Ind., assignor to The Indiana Steel Products Company, Chicago, Ill. Demagnetizing high coercive force materials. 2,498,423, Feb. 21.
Howell, Hugh A., Valparaiso, Ind., assignor to The Indiana Steel Products Company, Chicago, Ill. Magnetic record medium. 2,501,126, Mar. 21.
Howell, Hugh A., assignor to The Indiana Steel Products Company, Valparaiso, Ind. Magnetic impulse record member. 2,525,601, Oct. 10.
Howell, Hugh A., Valparaiso, Ind., assignor to The Indiana Steel Products Company, Chicago, Ill. Demagnetizing device. 2,526,358, Oct. 17.
Howell, Hugh A., Valparaiso, Ind., assignor to The Indiana Steel Products Company, Chicago, Ill. Electromagnetic transducer head. 2,532,100, Nov. 28.
Howell, Hugh A., Valparaiso, Ind., assignor to The Indiana Steel Products Company, Chicago, Ill. Dual channel magnetic recorder and method. 2,532,917, Dec. 5.
Howell, Judy B., Mount Sterling, Ky. Educational toy. 2,501,902, Mar. 28.
Howell, Lloyd: *See*—
Turner, Ralph, and Howell.
Howell, Lynn G.: *See*—
Looney, Charles T. G., Howell and Johnston.
Howell, Roy, Indianapolis, Ind. Mower sickle grinder. 2,520,210, Aug. 29.
Howells, John N. M., U. S. Navy. Computer mechanism. 2,526,664, Oct. 24.
Howenstine, James A., assignor to Neon Products, Inc., Lima, Ohio. Sign construction. 2,505,672, Apr. 25.
Howenstine, James A., assignor to Neon Products, Inc., Lima, Ohio. Sign structure. 2,530,525, Nov. 21.
Hower, Bruce A., Gary, Ind. Purge protector. 2,498,922, Feb. 28.
Howerton, Zachariah H., assignee: *See*—
Payne, Worth C.
Howes, Benjamin T., Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Speed control for axial flow fans. 2,503,822, Apr. 11.
Howes, Donald A., and T. Tait, Sunbury-on-Thames, assignors to Anglo-Iranian Oil Company Limited, London, England. Production of aviation or motor fuels. 2,534,025, Dec. 12.
Howes, Edgar T., Pasadena, Calif. Voltage phase displacement and amplitude indicating system. 2,527,096, Oct. 24.
Howes, S., Co., Inc., assignee: *See*—
Coon, Edwin L.
Howrey, Harold C., assignor to S. P. Howrey, Estacada, Oreg. Air-heating fireplace. 2,527,930, Oct. 31.
Howrey, Samuel P., assignee: *See*—
Howrey, Harold C.
Howey, Walter, Bergen County, N. J. Reeling device for wire records. 2,509,500, May 30.
Howk, Benjamin W.: *See*—
Catlin, Willard E., and Howk.
Howk, Benjamin W., and L. Plambeck, Jr., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Thermoreversible gels of hydrolyzed vinyl fluoride/vinyl acetate copolymers. 2,499,097, Feb. 28.
Howk, Benjamin W., Wilmington, and G. M. Whitman, New Castle, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing hexamethylenediamine. 2,504,024, Apr. 11.
Howk, Benjamin W., and M. W. Farlow, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Gas phase hydrogenation of dihydromucononitrile to adiponitrile. 2,532,311, Dec. 5.
Howland, Frederick W., Rochester, N. Y., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Automatic safety lock for cylinders. 2,518,548, Aug. 15.
Howland, Wayne P., Sayre, Pa. Chuck collet adapter. 2,514,241, July 4.
Howlett, John, Tonbridge, and W. L. Wood, Hull, England, assignors to The Distillers Company Limited, Edinburgh, Scotland. Manufacture of isopropyl alcohol from propylene. 2,533,808, Dec. 12.
Howlett, Richard M., Roselle, and R. G. Newberg, Cranford, N. J., assignors to Standard Oil Development Company. Dense rubbery compositions. 2,502,949, Apr. 4.
Howry-Berg Steel & Iron Works, assignee: *See*—
Walters, Vernon F.
Howsam, Hilyard C., assignor to Hubbard Spool Co., Chicago, Ill. Traverse. 2,535,737, Dec. 26.
Howschultz, Erie E., Little Sioux, Iowa. Animal training device. 2,534,516, Dec. 19.
Howse, Curtis L., Spartanburg, S. C., assignor to Diamond Power Specialty Corporation, Detroit, Mich. Electrical control system. 2,528,434, Oct. 31.
Hoxton, Llewellyn G.: *See*—
Beams, Jesse W., Snoddy, and Hoxton.
Hoy Equipment Company, assignee: *See*—
Hoy, Frank H.
Hoy, Frank H., assignor to Hoy Equipment Company, Milwaukee, Wis. Press with mold platform. 2,528,276, Oct. 31.
Hoy, John B., Detroit, Mich., assignor to Sundstrand Machine Tool Co., Rockford, Ill. Clamp device for rubbing machines. 2,530,301, Nov. 14.
Hoy, Rolland C., Osborn, Ohio. Aircraft control surface rigging protractor. 2,520,934, Sept. 5.
Hoyle, Robert L., Libertyville, A. P. Gallagher and A. S. Chipley, Mundelein, assignors to Burgess-Manning Company, Libertyville, Ill. Engine exhaust snubber and spark arrester. 2,511,713, June 13.
Hoyler, Cyril N., Princeton, N. J., assignor to Radio Corporation of America. Bell-jar vacuum evaporator. 2,496,054, Jan. 31.
Hoyler, Cyril N., Princeton, N. J., assignor to Radio Corporation of America. Bonding materials electrically. 2,525,355, Oct. 10.
Hoyler, Cyril N., Princeton, N. J., assignor to Radio Corporation of America. Apparatus for bonding material electrically. 2,525,356, Oct. 10.
Hoyler, Cyril N., Princeton, N. J., and R. A. Bierwirth, Chicago, Ill., assignors to Radio Corporation of America. Transformer. 2,515,874, July 18.
Hoyt, Herbert L.: *See*—
Wilcox, Richard L., and Hoyt.
Hoza, John, Belcamp, Md. Bedroom slipper with rubber and leather sole. 2,499,751, Mar. 7.
Hrabal, Eduard, assignor of thirty-five per cent to R. Dominguez, Washington, D. C. Trap. 2,495,454, Jan. 24.
Hrabal, Eduard, assignor of thirty-five per cent to R. Dominguez, Washington, D. C. Cigarette lighter. 2,499,752, Mar. 7.
Hrabal, Eduard, assignor of thirty-five per cent to R. Dominguez, Washington, D. C. Culinary fork. 2,528,658, Nov. 7.
Hrdina, Rudolf, Tyniste, Czechoslovakia. Bobbin apparatus for automatic looms. 2,499,502, Mar. 7.
Hrdlička, Jan, administrator: *See*—
Konůpek, Jindřich.
Hribar, Victor F., Oak Park, Ill. Vacuum hair drier. 2,503,113, Apr. 4.
Hrubecky, George F., Neenah, assignor to Beloit Iron Works, Beloit, Wis. Slice roll assembly for paper machine presses. 2,535,738, Dec. 26.
Hruby, John O., Jr., Glendale, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Automatic riveter. 2,511,506, June 13.
Hubacker, Earl F., Muskegon, Mich., assignor to Borg-Warner Corporation, Chicago, Ill. Terminal clip. 2,526,869, Oct. 24.
Hubbard, Arthur F., assignor to The Herman Nelson Corporation, Moline, Ill. Steam heating system. 2,532,550, Dec. 5.
Hubbard, Bruce W., Oak Park, assignor to Ideal Roller and Manufacturing Company, Chicago, Ill. Seal ring. 2,535,634, Dec. 26.
Hubbard, David C.: *See*—
Linde, Leonard J., and Hubbard.
Hubbard, David C., assignor to A. B. Chance, Centralia, Mo. Tool for applying connectors to energized transmission lines and the like. 2,505,186, Apr. 25.
Hubbard, David C., assignor to A. B. Chance Company, Centralia, Mo. Chain tightening and securing device. 2,499,753, Mar. 7.
Hubbard, David C., assignor to A. B. Chance Company, Centralia, Mo. Folding clamp stick. 2,514,063, July 4.
Hubbard, David C., assignor to A. B. Chance Company, Centralia, Mo. Pole guard. 2,534,170, Dec. 12.
Hubbard, Eugene: *See*—
Buttery, Kenneth T., and Hubbard.
Hubbard, Honore C.: *See*—
Peterson, Albert K., and Hubbard.
Hubbard, John R.: *See*—
Tutt, Richard, Jr., and Hubbard.
Hubbard, John W., New York, N. Y., assignor to Alaska Pacific Salmon Company, Seattle, Wash. Preparing exploded cereal grain. 2,505,325, Apr. 25.
Hubbard, Leroy H.: *See*—
Betron, Frank E., and Hubbard.
Hubbard, Merle R., assignor to Collins Radio Company, Cedar Rapids, Iowa. Ultra high frequency tuner arrangement. 2,511,586, June 13.
Hubbard Spool Co., assignee: *See*—
Howsam, Hilyard C.
Hubbart, Donald C., Rock Island, Ill. Draft check for smoke pipes. 2,522,786, Sept. 19.
Hubbell, Calvin G., Rankin, Ill., assignor to C. Howard Hunt Pen Co., Camden, N. J. Bulletin sheet holder and support. 2,530,821, Nov. 21.
Hubbell Corporation, assignee: *See*—
Heinzelman, Charles J.
Hubbell, Dean S., Sharpsburgh, assignor to H. H. Robertson Company, Pittsburgh, Pa. Antifouling coating and pigment. 2,514,868, July 11.
Hubbell, Harvey, Long Hill, Conn. Magnetically operated switch. 2,498,683, Feb. 28.
Hubbell, Harvey, Long Hill, Conn. Coupling for toy trains. 2,500,180, Mar. 14.
Hubbell, Harvey, Long Hill, Conn. Clip for fluorescent lamp sockets. 2,505,775, May 2.
Hubbell, Harvey, Long Hill, Conn. Magnetically operated switch. 2,520,935, Sept. 5.
Hubbell, Harvey, Long Hill, Conn. Magnetically controlled switch. 2,521,723, Sept. 12.
Hubbell, Harvey, Long Hill, assignor to Harvey Hubbell, Inc., Bridgeport, Conn. Safety electrical outlet. 2,531,625, Nov. 28.
Hubbell, Harvey, Long Hill, and J. F. Healy, Westport, assignors to Harvey Hubbell, Incorporated, Bridgeport, Conn. Electrical fixture. 2,500,181, Mar. 14.

Hubbell, Harvey, Long Hill, and J. F. Healy, Jr., assignors to Harvey Hubbell, Incorporated, Bridgeport, Conn. Single conductor locking connector. 2,521,722, Sept. 12.
Hubbell, Harvey, Incorporated, assignee: *See*—
Hubbell, Harvey.
Hubbell, Harvey, and Healy, Jr.
Hubbell, Norwood E., assignee: *See*—
Broersma, Robert J.
Hubbell, Roger K., Newton, assignor, by mesne assignments, to Conveyor Specialty Company, Inc., Quincy, Mass. Conveyer. 2,523,829, Sept. 26.
Hubbert, B. H., & Son, Inc., assignee: *See*—
Laws, Robert B.
Hubble, Henry H.: *See*—
Brown, Harrison S., and Hubble.
Hubbs, Henry E., assignor to The Shelby Spring Hinge Co., Shelby, Ohio. Adjustable hinge mechanism. 2,530,331, Nov. 14.
Hubbuch, Theodore N., Knoxville, Tenn., and T. P. Hignett, Sheffield, Ala., assignors to Tennessee Valley Authority. Defluorinating phosphate rock. 2,499,385, Mar. 7.
Hube, Gottfried E., and I. F. Finsberg, Bellingham, assignors to Pacific American Fisheries, Inc., South Bellingham, Wash. Apparatus for handling containers. 2,511,266, June 13.
Hubeck, Charles, New York, N. Y. Telescoping vernier gauge. 2,523,469, Sept. 26.
Hubelmeyer, Edward J., assignor to J. & H. Label Processing Corp., Little Ferry, N. J. Label-cutting machine. 2,501,334, Mar. 21.
Huber, Albert F., Chicago, Ill., assignor to American Brake Shoe Company, New York, N. Y. Railroad switch adjustment. 2,497,502, Feb. 14.
Huber, Albert F., Chicago, and C. E. Godfrey, Batavia, Ill., assignors to American Brake Shoe Company, New York, N. Y. Adjustable rail brace. 2,504,838, Apr. 18.
Huber, Franz J., Dayton, Ohio. True air-speed computer. 2,528,518, Nov. 7.
Huber, George H., Manhasset, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Reduction of noise in pulse position modulation systems. 2,509,064, May 23.
Huber, Harry: *See*—
Doehler, Oskar, Kleen, and Huber.
Kleen, Werner, Döhler, and Huber.
Huber, Hugo E. C., assignor to The Nineteen Thirty Investment Trust Limited, London, England. Incinerator. 2,527,188, Oct. 24.
Huber, J. M., Corporation, assignee: *See*—
Milman, Nathan, and Whitley.
Takewell, Robert B.
Voet, Andries.
Huber, John E., Cincinnati, Ohio. Chair and tray combination. 2,532,812, Dec. 5.
Huber, Louis C., assignee: *See*—
Richeson, Sanford E., and Allegro.
Huber, Louis J.: *See*—
Salo, Paul W., and Huber.
Huber Manufacturing Co., assignee: *See*—
Atwood, Clarence E.
Gifford, Clayton E.
Huber, Matthew W., Watertown, N. Y., assignor to The New York Air Brake Company. Hydraulic power unit. 2,498,810, Feb. 28.
Huber, Matthew W., Watertown, N. Y., assignor to The New York Air Brake Company. Unloader for pumps. 2,501,054, Mar. 21.
Huber, Matthew W., Watertown, N. Y., assignor to The New York Air Brake Company. Hydraulic control system responsive to pressure and flow rate. 2,512,799, June 27.
Huber, Matthew W., Watertown, N. Y., assignor to The New York Air Brake Company. Cooling and lubricating pumps. 2,518,618, Aug. 15.
Huber, Matthew W., Watertown, N. Y., assignor to The New York Air Brake Company. Cylindrical ring valve for multicylinder pumps. 2,518,619, Aug. 15.
Huber, Paul: *See*—
Williams, Alexander T., and Huber.
Huber, Paul J., West Hartford, Conn. Fine adjustment device for dial indicators. 2,506,924, May 9.
Huber, Theodore A., Corpus Christi, Tex., assignor to Standard Oil Development Company. Sidewall coring device. 2,500,125, Mar. 7.
Huber, Theodore A., Corpus Christi, Tex., assignor to Standard Oil Development Company. Screen assembly for wells. 2,500,754, Mar. 14.
Huber, Theodore A., Houston, Tex., assignor to Standard Oil Development Company. Well completion apparatus. 2,530,966, Nov. 21.
Huber, Theodore A., and G. E. Cannon, Houston, Tex., assignors, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Apparatus for logging boreholes. 2,497,990, Feb. 21.
Huber, Wilhelm, Cincinnati, Ohio, and K. Krauer, said Krauer assignor to Ciba Limited, Basel, Switzerland. Preparing vat dyestuffs of the dibenzanthrone and isodibenzanthrone series. 2,503,823, Apr. 11.
Huber, Wolfgang: *See*—
Clinton, Raymond O., Huber, and Fohlen.
Clinton, Raymond O., Huber, Fohlen, and Laskowski.
Hubert, Bert, Batavia, Dutch East Indies, assignor, by mesne assignments, to N. V. D. de Wit Hzn, Rijswijk, Netherlands. Selective tree banding composition. 2,535,209, Dec. 26.
Hubert, Clarence A., Chicago, Ill., assignor to International Harvester Company. Hydraulic telemeter system with variable-rate valve shutoff unit. 2,524,055, Oct. 3.
Hubert, Emile J. M., Le Raincy, assignor of one-half to Ateliers De Constructions De La Sein, Paris, France. Chuck. 2,528,146, Oct. 31.
Hubert, William J., assignee: *See*—
Reinholz, William H.
Hubner, Cornelius A., Bloomingdale, N. J. Grass cutter employing razor blades. 2,520,463, Aug. 29.
Hubner, Cornelius A., Butler, N. J. Grass cutting implement. 2,520,464, Aug. 29.
Hubscher, Jean J.: *See*—
Asche, Robert, and Hubscher.
Hucal, William, Chicago, Ill. Nut tapping machine. 2,527,480, Oct. 24.
Huck, Alfred J., assignor to Knapp-Monarch Company, St. Louis, Mo. Electric radiating heater. 2,512,061, June 20.
Huck, Alfred J., assignor to Knapp-Monarch Company, St. Louis, Mo. Vaporizer. 2,522,718, Sept. 19.
Huck, Alfred J., assignor to Knapp-Monarch Company, St. Louis, Mo. Vaporizer. 2,526,027, Oct. 17.
Huck, Alfred J., assignor to Knapp-Monarch Company, St. Louis, Mo. Interlocking switch for electric heaters. 2,526,234, Oct. 17.
Huck, Alfred J., assignor to Knapp-Monarch Company, St. Louis, Mo. Manufacture of electric cables. 2,533,460, Dec. 12.
Huck, Joseph, Tenafly, N. J., assignor to The Patent Scaffolding Co., Inc., Long Island City, N. Y. Brake device for scaffold machines. 2,510,340, June 6.
Huck, Louis C., assignor, by mesne assignments, to Huck Manufacturing Company, Detroit, Mich. Blind rivet. 2,526,235, Oct. 17.
Huck, Louis C., Detroit, Mich., assignor to Huck Manufacturing Company. Rivet and riveting. 2,527,307, Oct. 24.
Huck, Louis C., assignor, by mesne assignments, to Huck Manufacturing Company, Detroit, Mich. Fastening device. 2,531,048, Nov. 21.
Huck, Louis C., Grosse Pointe, assignor, by mesne assignments, to Huck Manufacturing Company, Detroit, Mich. Rivet. 2,501,567, Mar. 21.
Huck, Louis C., Grosse Pointe, assignor to Huck Manufacturing Company, Detroit, Mich. Fastening device. 2,531,049, Nov. 21.
Huck Manufacturing Company, assignee: *See*—
Hood, Oscar H.
Huck, Louis C.
Huck, William F., Forest Hills, assignor to R. Hoe & Co., Inc., New York, N. Y. Sheet registering mechanism. 2,508,608, May 23.
Huck, William F., Forest Hills, N. Y. Railway track lubricating device. 2,518,786, Aug. 15.
Huck, William F., Forest Hills, assignor to R. Hoe & Co., Inc., New York, N. Y. Stereotype plate casting machine. 2,526,753, Oct. 24.
Hucke, Charles H., St. Louis, Mo. Storm sash. 2,516,575, July 25.
Huckins, Arthur S., Brookline, Pa. Rotary multicolor printing press. 2,533,012, Dec. 5.
Huddle, Edwin F., Elmwood Park, Ill., assignor to International Harvester Company. Blower for hay choppers. 2,496,472, Feb. 7.
Huddle, Edwin F., Elmwood Park, Ill., assignor to International Harvester Company. Ensilage blower having a swinging feed trough. 2,532,064, Nov. 28.
Huddleston, Charlie, assignee: *See*—
Menser, Henry E.
Hudock, Andrew A., assignor to National Peanut Corporation, Wilkes-Barre, Pa. Showcase tray. 2,512,233, June 20.
Hudson, Bertram J. F.: *See*—
Walton, Eric, and Hudson.
Hudson, Boyd E., Jr., Cranford, N. J., assignor to Standard Oil Development Company. Modified acid for tertiary olefin extraction. 2,515,006, July 11.
Hudson, Boyd E., Jr., Cranford, N. J., assignor to Standard Oil Development Company. Separation of tertiary monohexenes and preparation of 2-methylpentanol-2. 2,530,332, Nov. 14.
Hudson, Donald E., Pasadena, and F. C. Lindvall, Altadena, Calif., assignors to the United States of America as represented by the Secretary of the Navy. Decelerometer. 2,521,918, Sept. 12.
Hudson, Edwin B., Middletown, Ohio. Fluid pressure railway brake with auxiliary hydraulic brake operating means. 2,511,336, June 13.
Hudson Engineering Corporation, assignee: *See*—
LauBach, Neal B., and Baird.
Hudson, Jesse B., Philadelphia, Pa. Gummed tape dispenser. 2,506,504, May 2.
Hudson, John M., San Diego, Calif., assignor to Consolidated Vultee Aircraft Corporation. Emergency brake system. 2,502,152, Mar. 28.
Hudson Molded Products: *See*—
Duhaime, Edward J.

Hudson, Monie S., Spartanburg, S. C. Drying wood. 2,535,925, Dec. 26.
Hudson Pearl Company, assignee: *See*—
Ganzinotti, Paul.
Hudson, Thomas B., Bartlesville, Okla., assignor to Phillips Petroleum Company. Use of mobile catalysts in effecting chemical reactions. 2,518,474, Aug. 15.
Hudson, Thomas B., and J. D. Upham, Bartlesville, Okla., assignors to Phillips Petroleum Company. Use of mobile catalysts in the isomerization of hydrocarbons. 2,502,008, Mar. 28.
Hudson, William J., assignor to Allen-Bradley Company, Milwaukee, Wis. Detector of electrical ground currents. 2,505,246, Apr. 25.
Hudson Bay Mining and Smelting Co., Limited, assignee: *See*—
Griffith, Dinsmore L., and Isherwood.
Griffith, Dinsmore L., and Rankin.
Lowe, Sherwin P., Long, Downes, and Kent.
Hudson's Bay Company, assignee: *See*—
Gossling, Clement E.
Hudspeth, Emmett L., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Radio echo detection apparatus. 2,508,571, May 23.
Hudspeth, Emmett L., Cambridge, and J. P. Nash, Boston, Mass., assignors, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Inflatable radar reflector buoy. 2,534,716, Dec. 19.
Huebner, William C., assignee: *See*—
Hooper, William J.
Huebner, William C., New York, N. Y. Photographic cylindrical composing apparatus having auxiliary supports. 2,497,991, Feb. 21.
Huebner, William C., New York, N. Y. Carrier for photographic roll films for cameras. 2,504,527, Apr. 18.
Huebsch Manufacturing Company, assignee: *See*—
Watson, Thomas S.
Huelsdonk, William A., assignor of one-third to A. M. Phippen, Boise, Idaho, one-sixth to C. A. Boardman, and one-sixth to F. J. Smith, Philadelphia, Pa. Ore milling and screening apparatus. 2,514,064, July 4.
Huelster, Otto J., assignor to Scovill Manufacturing Company, Waterbury, Conn. Prong ring snap fastener attachment. 2,509,434, May 30.
Huelster, Otto J., assignor to Scovill Manufacturing Company, Waterbury, Conn. Pronged snap fastener. 2,509,501, May 30.
Huelster, Otto J., assignor to Scovill Manufacturing Company, Waterbury, Conn. Tack fastened button. 2,511,110, June 13.
Huelster, Otto J., assignor to Scovill Manufacturing Company, Waterbury, Conn. Fastener. 2,533,115, Dec. 5.
Hueneman, Victor C., Garner, Iowa. Unloading endgate for trucks. 2,529, 608, Nov. 14.
Huertas, Rufino O., San Francisco, Calif. Safety switch. 2,500,182, Mar. 14.
Huet, André P. J., Paris, France, assignor to Combustion Engineering-Superheater, Inc. Superheater elements with groups of trifurcated tubes. 2,517,489, Aug. 1.
Hueter, Otto W., Toledo, Ohio. Suction cup placement. 2,501,942, Mar. 28.
Huether, Charles P., New York, N. Y. Detachable ribbon guide for typewriting machines. 2,518,893, Aug. 15.
Huetten, Clarance: *See*—
Aust, Robert J., and Huetten.
Huetten, Clarence, and S. J. Raiter, assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind. Vibrator support. 2,513,940, July 4.
Huey, John L.: *See*—
Nydegger, Paul F., and Huey.
Huey, Harold I., Lincoln, and W. W. Russell, East Providence, assignors to Sayles Finishing Plants, Inc., Saylesville, R. I. Producing nylon and cellulosic yarn patterned fabric. 2,509,146, May 23.
Huff, Curtis E., and G. A. Zimmerman, Mishawaka, Ind., assignors to United States Rubber Company, New York, N. Y. Alkali-metal pentaalkyl tripolyphosphates as stabilizers for vinyl resins. 2,499,503, Mar. 7.
Huff, Everett B., San Francisco, Calif. Electric testing device. 2,511,918, June 20.
Huff, Harold I., Los Angeles, Calif. Carbon cooler for arc lamps. 2,495,970, Jan. 31.
Huff, Howard W., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Apparatus for molding tire flaps. 2,495,102, Jan. 17.
Huff, Kenneth O., Dodge City, Kans. Self-locking chain hoist trailer. 2,496,537, Feb. 7.
Huff, Lyman C., Evanston, assignor to Universal Oil Products Company, Chicago, Ill. Apparatus for forming pills or pelleted particles. 2,525,135, Oct. 10.
Huff, Stanley, Pocatello, Idaho. Wrench. 2,514,643, July 11.
Hufferd, George H., Shaker Heights, Ohio, assignor to Houdaille-Hershey Corporation, Detroit, Mich. Picker stick stop mechanism. 2,519,372, Aug. 22.
Hufferd, George H., Shaker Heights, Ohio, assignor to Houdaille-Hershey Corporation, Detroit, Mich. Picker stick stop mechanism. 2,519,373, Aug. 22.
Hufferd, George H., Shaker Heights, Ohio, assignor to Houdaille-Hershey Corporation, Detroit, Mich. Picker stick linkage. 2,529,694, Nov. 14.
Hufferd, George H., Shaker Heights, Ohio, assignor to Houdaille-Hershey Corporation, Detroit, Mich. Picker stick slide linkage. 2,529,695, Nov. 14.
Hufferd, George H., Shaker Heights, Ohio, assignor to Houdaille-Hershey Corporation, Detroit, Mich. Hydraulic picker stick check. 2,529,696, Nov. 14.
Hufferd, George H., Shaker Heights, and C. H. Crawley, assignors to The Weatherhead Company, Cleveland, Ohio. Hose end. 2,517,669, Aug. 8.
Huffman, Charles E., Upper Montclair, assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Color device for utilizing control signals. 2,530,431, Nov. 21.
Huffman, Coy L., Greenville, N. C. Picker mounting means. 2,524,443, Oct. 3.
Huffman, Hal C.: *See*—
Nahin, Paul G., and Huffman.
Parker, Robert L., Jr., and Huffman.
Huffman, Max N., Dallas, Tex., assignor to G. D. Searle & Co., Chicago, Ill. Ethers of 16-keto-(α)estradiol and manufacturing the same. 2,522,177, Sept. 12.
Huffman, Max N., Dallas, Tex., assignor to G. D. Searle & Co., Chicago, Ill. 16-keto-estrogens. 2,522,178, Sept. 12.
Huffman, Robert F., Craig Healing Springs, Va. Hydraulic brake adjusting and regulating means. 2,503,488, Apr. 11.
Huffman, Russell I.: *See*—
Dafforn, Kenneth B., and Huffman.
Huffman, Russell I., Dover, Ohio, assignor, by mesne assignments, to Knapp-Monarch Company, St. Louis, Mo. Sadiron. 2,512,062, June 20.
Huffman, Samuel A., Pasadena, Calif., assignor to Miller Printing Machine Co., Pittsburgh, Pa. Apparatus having separatable and assemblable portions and control means therefor. 2,510,890, June 6.
Hufnagel, Harold J., Evansville, Ind. Window lock. 2,516,630, July 25.
Hufnagel, Victor J., Detroit, Mich. Fish lure. 2,527,064, Oct. 24.
Hugenholtz, Eduard H., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Transmitter and receiver for single-sideband signals. 2,530,614, Nov. 21.
Hugenholtz, Eduard H., and B. J. van Hardenberg, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Frequency synchronizing system. 2,505,642, Apr. 25.
Hugenholtz, Eduard H., and J. M. Olthuis, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Diversity receiving system. 2,507,160, May 9.
Hugenholtz, Eduard H., and E. Scholten, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Circuit for frequency control. 2,530,165, Nov. 14.
Huggenberger, Arnold U., assignee: *See*—
Gustafsson, Gotthard V. A.
Huggins, Maurice L.: *See*—
Sun, Kuan-Han, and Huggins.
Huggins, Mildred Z., Kalamazoo, Mich. Form or pad for deformed limbs and artificial limbs. 2,501,903, Mar. 28.
Hughes, Austin B., Tishomingo, Okla. Spraying device. 2,507,524, May 16.
Hughes, Benjamin D., and E. L. Ford, London, England. Automatic ventilator for closed carriages. 2,497,942, Feb. 21.
Hughes, Cecil D., Winter Haven, Fla. High-lift dump body. 2,499,919, Mar. 7.
Hughes, Cecil D., Winter Haven, Fla. Bagging machine with horizontally swingable bag spreading fingers. 2,507,905, May 16.
Hughes, Darrel W., Bartlesville, Okla., assignor to Phillips Petroleum Company. Method of and apparatus for liquefying gases. 2,522,787, Sept. 19.
Hughes, Denis H., assignor to Pye Limited, Cambridge, England. Radio receiver. 2,525,298, Oct. 10.
Hughes, Edward H., assignor to Exhibit Supply Company, Chicago, Ill. Ball deflecting device. 2,507,716, May 16.
Hughes, Edward M., Chester, assignor to Sun Oil Company, Philadelphia, Pa. Removal of inorganic matter from petroleum residua. 2,520,407, Aug. 29.
Hughes, Edward N., Ruthin, North Wales. Gulley or catch pit for surface drainage purposes. 2,518,620, Aug. 15.
Hughes, Ernest S., Vestal, and V. L. Agy, Queens Village, N. Y., and R. J. Duffin, Washington, D. C., assignors to the United States of America as represented by the Secretary of the Navy. Torque amplifier. 2,515,042, July 11
Hughes, Everett C., Cleveland Heights, and S. M. Darling, assignors to The Standard Oil Company, Cleveland, Ohio. Cracking catalyst and cracking process utilizing the same. 2,493,761, Jan. 10.
Hughes, Everett C., Cleveland Heights, and H. M. Stine, East Cleveland, Ohio, assignors to The Polymerization Process Corporation, Jersey City, N. J. Polymerization of propylene in the presence of isobutane. 2,494,510, Jan. 10.
Hughes, Everett C., Cleveland Heights, and J. D. Bartleson, assignors to The Standard Oil Company, Cleveland, Ohio. Lubricants. 2,506,597, May 9.
Hughes, Everett C., Cleveland Heights, Ohio, and M. H Campbell, Wilmington, Del., assignors to The Standard Oil Company, Cleveland, Ohio. Fuel having improved knock qualities. 2,529,496, Nov. 14.

Hughes, Gale A., Los Angeles, Calif. Foundation apparel device. 2,515,601, July 18.
Hughes, Guy N., Maryville, Tenn., assignor to Aluminum Company of America, Pittsburgh, Pa. Measuring system for direct current power, including an alternating current-watt hour meter. 2,502,848, Apr. 4.
Hughes, Harley R., Anchorage, Ky., and C. D. Rice, Omaha, Nebr., assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J. Apparatus for rejecting improperly filled soap containers. 2,529,081, Nov. 7.
Hughes, Henry, & Son Limited, assignee: *See*—
Sproule, Donald O.
Hughes, James C., Baltimore, Md. Faucet and valve therefor. 2,493,248, Jan. 3.
Hughes, James C., New City, N. Y. Auto tire antiskid device. 2,505,711, Apr. 25.
Hughes, John, Rochdale, England. Opening bales of fibers. 2,509,823, May 30.
Hughes, John O. P.: *See*—
Bedale, Paul W., and Hughes.
Hughes, Lafayette M., assignee: *See*—
Herbold, Robert J.
Hughes, Ocie D.: *See*—
Clark, Otho A., and Hughes.
Hughes, Philip G., Schenectady, N. Y., assignor to General Electric Company. Thermal responsive switch. 2,512,331, June 20.
Hughes, Philip G., Schenectady, N. Y., assignor to General Electric Company. Transformer relay. 2,527,220, Oct. 24.
Hughes, Ralph L., Los Angeles, Calif. Alarm system. 2,522,615, Sept. 19.
Hughes, Robert, Shaker Heights, Ohio. Toilet seat structure. 2,494,813, Jan. 17.
Hughes, Robert C., Paoli, Pa. Stretcher. 2,511,061, June 13.
Hughes, Thomas E.: *See*—
Tuck, Ralph, Hughes, and Rigby.
Hughes, Thomas R., and A. M. Casada, Los Angeles, Calif. Combination fireplace door and screen. 2,501,278, Mar. 21.
Hughes Tool Company, assignee: *See*—
Moore, Stanley C.
Morlan, Erwin A., and Woods.
Scott, Floyd L.
Woods, Henry B.
Woods, Henry B., and Scott.
Young, John, Jr., and Bower.
Hughes, Walter J., assignor to Infilco Incorporated, Chicago, Ill. Metering device. 2,509,685, May 30.
Hughes, Walter J., assignor to Infilco Incorporated, Chicago, Ill. Feeder with rockable oscillatable discharge element and oscillatable hopper agitating plates. 2,520,545, Aug. 29.
Hughes, Walter J., assignor to Infilco Incorporated, Chicago, Ill. Counter for chemical feeders. 2,520,546, Aug. 29.
Hughes, Walter J., assignor to Infilco Incorporated, Chicago, Ill. Linear pneumatic converter. 2,520,547, Aug. 29.
Hughes, Walter R., assignor to Hope Metal Products Co., Cleveland, Ohio. Metal bin. 2,516,122, July 25.
Hughey, Carter J., assignor to Eastman Kodak Company, Rochester, N. Y. Film gate operating mechanism. 2,507,161, May 9.
Hughey, George B.: *See*—
Adams, Daniel O., and Hughey.
Hughey, Howard G., Fanwood, N. J., assignor to Air Reduction Company, Incorporated. Apparatus for thermochemically cutting metal. 2,501,724. Mar. 28.
Hughey, Howard G., Fanwood, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Cutting or scarfing torch. 2,509,270, May 30.
Hughey, Howard G., Fanwood, N. J., assignor to Air Reduction Company, Incorporated. Gas torch. 2,515,301, July 18.
Hughey, Howard G., Fanwood, N. J., assignor to Air Reduction Company, Incorporated. Apparatus for controlling relative movement between a gas torch and a workpiece. 2,515,302, July 18.
Hughey, Vaughn V., Tiffin, assignor to Basic Refractories, Inc., Cleveland, Ohio. Dolomitic refractory and making same. 2,517,790, Aug. 8.
Hughson, J. Donald, assignor to General Railway Signal Company, Rochester, N. Y. Continuous inductive train control and cab signaling system. 2,503,671, Apr. 11.
Hugon, Jean J.: *See*—
Gutton, Henri, and Hugon.
Hugueny, Alfred F., Los Angeles, Calif. Child's gliding teeter. 2,517,207, Aug. 1.
Hugus, Frank R., and J. W. Woolf, Franklin, assignors to Joy Manufacturing Company, Pittsburgh, Pa. Resistor. 2,502,950, Apr. 4.
Huhcey, George M., and W. J. Whitacre, assignors to P. Castleberry, Cincinnati, Ohio. Dispensing machine. 2,521,458, Sept. 5.
Huhtala, Taito E., South Lyon, assignor to Vickers Incorporated, Detroit, Mich. Cylinder construction. 2,518,787, Aug. 15.
Huie, William J., Philadelphia, Pa. Boiler. 2,520,839, Aug. 29.
Huish, Herbert C., London, England. Form for use in shuttering. 2,519,575, Aug. 22.
Hukill, Henry D., assignor to Bendix Aviation Corporation, South Bend, Ind. Transmission control mechanism. 2,522,228, Sept. 12.
Hulbert, Bernice, Chicago, Ill. Toy ball with rotatably mounted figure therein. 2,519,248, Aug. 15.
Hulbert, Edwin F., Jr.: *See*—
Hulbert, Edwin F., Sr., and E. F., Jr.
Hulbert, Edwin F., Sr., and E. F. Hulbert, Jr., Watertown, Wis. Beading machine. 2,532,844, Dec. 5.
Hulburt, Edward O., Alexandria, Va. Visibility meter. 2,504,981, Apr. 25.
Hull, Charles J., Kenmore, N. Y. Control means for home moving picture apparatus. 2,507,976, May 16.
Hull, Charles J., Kenmore, N. Y., assignor to The Rudolph Wurlitzer Company, Chicago, Ill. Coin control device. 2,519,046, Aug. 15.
Hull, Clarence W., Chicago, Ill. Suspension device for vehicles. 2,506,217, May 2.
Hull, David C., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Oxidation of ethers using aldehyde-activated catalysts. 2,497,889, Feb. 21.
Hull, David C., and J. R. Snodgrass, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Preparation of neutral alkyl esters of phosphoric acid. 2,508,389, May 23.
Hull, David C., and J. R. Snodgrass, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Preparing aromatic esters of phosphoric acid. 2,518,692, Aug. 15.
Hull, Donald R., Newport, D. P. Phillips, Wilmington, Del., and N. H. Tate, Chadd's Ford, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Rotary gear-type metering pump. 2,533,320, Dec. 12.
Hull, Francis R., Huntington, Ind. Shower and bath mat. 2,515,450, July 18.
Hull, Frank E., Noblesville, Ind. Lantern holder for boats. 2,531,626, Nov. 28.
Hull, Frederick C.: *See*—
Scott, Howard, Gordon, and Hull.
Hull, George R., assignee: *See*—
Manuel, Glenn H.
Hull, Harvard L., Garden City, R. C. Goertz, Hempstead, and W. C. Hartman, Bohemia, N. Y., assignors to The Sperry Corporation. Positional control system. 2,526,665, Oct. 24.
Hull, Henry E.: *See*—
Hartley, Emmett C., and Hull.
Hull, Matthew R., Connersville, Ind. Abdominal muscle exerciser. 2,528,750, Nov. 7.
Hull, Maurice E.: *See*—
Josh, George, and Hull.
Hull, Philip C., assignor to The Parker Pen Company, Janesville, Wis. Magnetic desk set. 2,510,634, June 6.
Hull, Philip C., Janesville, Wis., and G. W. Gilman, Lake Wales, Fla., assignors to The Parker Pen Company, Janesville, Wis. Magazine pencil with rotary lead propelling means. 2,504,420, Apr. 18.
Hull, Richard O., Lakewood, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Electrodeposition of tin. 2,512,719, June 27.
Hull, Richard O., Lakewood, Ohio. Cadmium plating process and composition. 2,523,432, Sept. 26.
Hull, Robert E.: *See*—
Burgwin, Stephan L., Kovalsky, and Hull.
Hull, Robert R., Covina, assignor, by mesne assignments, to California Fruit Growers Exchange, Los Angeles, Calif. Liquid agitating and dispensing apparatus. 2,526,949, Oct. 24.
Hull, Robert R., and H. E. Coles, assignors to Engineering Controls, Inc., Los Angeles, Calif. Pump. 2,518,621, Aug. 15.
Hull, Robert R., Pasadena, assignor, by mesne assignments, to California Fruit Growers Exchange, Los Angeles, Calif. Liquid vending apparatus. 2,529,394, Nov. 7.
Hull, Samuel P., Wilton, Conn. Vise support having universal joint locked by pair of nut-actuated wedges. 2,495,065, Jan. 17.
Hull, Samuel P., Wilton, Conn. Joint. 2,529,697, Nov. 14.
Hull, Warren W., Jefferson City, Mo. Smoking pipe. 2,499,504, Mar. 7
Hull, Washington, Oroton Heights, Conn., assignor to American Cyanamid Company, New York, N. Y. Acid-curing thermosetting resin compositions, curing same, and products thereof. 2,494,095, Jan. 10.
Hulman, Julius: *See*—
Beaman, Bernard, Hulman, and Stein.
Hulme, Philip M.: *See*—
Slottman, George V., and Hulme.
Hulme, Philip M., Stamford, Conn., assignor to Air Reduction Company, Incorporated. Furnace for melting metals and alloys. 2,497,125, Feb. 14.
Hulme, Philip M., Stamford, Conn., assignor to Air Reduction Company, Incorporated, New York, N. Y. Eliminating carbon from and controlling the temperature of molten steel. 2,502,259, Mar. 28.
Huls, Clarence P., Portland, Oreg. Compass tool. 2,499,754, Mar. 7.
Hulsberg, Herbert A., Clarendon Hills, assignor to Universal Oil Products Company, Chicago, Ill. Testing device for thermocouple type temperature recorders. 2,502,568, Apr. 4.

Hulsberg, Herbert A., Hinsdale, assignor to Universal Oil Products Company, Chicago, Ill. Gas analyzing apparatus. 2,508,572. May 23.

Hulse, George E., assignor to Hercules Powder Company, Wilmington, Del. Copolymers of isobutylene and an ester derived by esterifying abietyl alcohol and an α,β-ethylenically unsaturated carboxylic acid. 2,534,447, Dec. 19.

Hulsman, David L., Coral Gables, Fla., assignor to F. S. Meyer, trustee of the Ferd S. Meyer Puerto Rican Trust, San Juan, Puerto Rico. Process of treating alcoholic liquors. 2,500,183, Mar. 14.

Hulsmann, Johannes D., Packanack Lake, N. J., assignor to E. R. Squibb & Sons, New York, N. Y. Producing hypodermic units. 2,504,127, Apr. 18.

Hulst, George D., Jr., Upper Montclair, N. J., assignor to Radio Corporation of America. Station selection apparatus for Loran receivers. 2,533,887, Dec. 12.

Hulstede, George E.: *See*—
Hoglund, Ralph H., Hulstede, and Yakutis.

Hulstede, George E., Belmont, Calif., assignor to the United States of America as represented by the Secretary of War. Ultra high frequency oscillator circuit. 2,508,573, May 23.

Hulstein, Neal S., assignor to Heiland Research Corporation, Denver, Colo. Flash synchronizer for cameras, including shutter trip safety switch. 2,520,638, Aug. 29.

Hulstein, Neal S., assignor to Heiland Research Corporation, Denver, Colo. Electromagnetic camera shutter synchronizer. 2,523,660. Sept. 26.

Hult, Gustav W., and H. Kingsmill, Cleveland, Ohio, said Hult assignor to said Kingsmill. Building structure. 2,535,494. Dec. 26.

Hultén, Johan E.: *See*—
Eklund, Karl G., and Hultén.

Hultgren, William H.: *See*—
Kovacs, Julius P., and Hultgren.

Hultin, Oscar H., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Package and making the same. 2,494,177. Jan. 10.

Hultquist, Martin E.: *See*—
SubbaRow, Yellapragada, and Hultquist.

Hultquist, Martin E., Bound Brook, and J. C. Paterson, Westfield, N. J., assignors to American Cyanamid Company, New York, N. Y. Preparation of alkali metal derivatives of 2-aminopyridine. 2,512,249. June 20.

Hultquist, Martin E., Bound Brook, N. J., and E. H Northey, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. N'-butyryl-sulfanilamides. 2,512,898. June 27.

Hultquist, Martin E., Bound Brook, and J. S. Webb, Warren Township, Somerset County, N. J., assignors to American Cyanamid Company, New York, N. Y. Alkaline and alkaline earth salts of inorganic esters of n-heterocyclic-1-phenol-4-sulfonamides. 2,519,314, Aug. 15.

Hultquist, Martin E., Bound Brook, and R. P. Germann, Plainfield, N. J., assignors to American Cyanamid Company, New York, N. Y. Preparing pyridoxine hydrochloride. 2,520,038, Aug. 22.

Hultquist, Martin E., Bound Brook, N. J., and Y. SubbaRow, deceased, Pearl River, N. Y.; by A. J. Bryant, administrator, South Nyack, assignors to American Cyanamid Company, New York, N. Y. Hydroxybenzenesulfonamidoimidazoles and preparation of the same. 2,524,799, Oct. 10.

Hultquist, Martin E., Bound Brook, N. J., and Y. SubbaRow, deceased, Pearl River, N. Y.; by A. J. Bryant, administrator, South Nyack, assignors to American Cyanamid Company, New York, N. Y. Hydroxybenzenesulfonamidoheterocycles and preparation of same. 2,524,800, Oct. 10.

Hultquist, Martin E., Bound Brook, N. J., and Y. SubbaRow, deceased, Pearl River, N. Y.; by A. J. Bryant, administrator, South Nyack, assignors to American Cyanamid Company, New York, N. Y. Hydroxybenzenesulfonamido-oxadiazoles and preparation of same. 2,524,801, Oct. 10.

Hultquist, Martin E., Bound Brook, N. J., and Y. SubbaRow, deceased, Pearl River, N. Y.; by A. J. Bryant, administrator, South Nyack, assignors to American Cyanamid Company, New York, N. Y. Hydroxybenzenesulfonamidopyridazines and preparation of same. 2,524,802, Oct. 10.

Hultquist, Martin E., Bound Brook, N. J., and Y. SubbaRow, deceased, Pearl River, N. Y.; by A. J. Bryant, administrator, South Nyack, assignors to American Cyanamid Company, New York, N. Y. Hydroxy benzene sulfonamido thiadiazoles and preparation of same. 2,525,320, Oct. 10.

Hultquist, Martin E., Bound Brook, N. J., and Y. SubbaRow, deceased, Pearl River, N. Y.; by A. J. Bryant, administrator, South Nyack, assignors to American Cyanamid Company, New York, N. Y. Hydroxybenzenesulfonamidoisoxazoles and preparation of same. 2,525,321, Oct. 10.

Hultquist, Martin E., Bound Brook, N. J., and Y. Subbarow, deceased, Pearl River, N. Y.; A. J. Bryant, administrator, assignors to American Cyanamid Company, New York, N. Y. Substituted pyrimidines and preparation of the same. 2,535,635, Dec. 26.

Hultquist, Martin E., Bound Brook, N. J., and Y. Subbarow, deceased, Pearl River, N. Y., by A. J. Bryant, administrator, South Nyack, assignors to American Cyanamid Company, New York, N. Y. Hydroxybenzenesulfonamidotriazines and preparation of same. 2,535,636, Dec. 26.

Hum, Jack K. Y., U. S. Army. Chemical product. 2,498,684. Feb. 28.

Human, Alonzo D., San Bernardino, Calif. Upholstery spreader. 2,516,320, July 25.

Humason, Granville A., Houston, Tex. Special wellhead. 2,504,025, Apr. 11.

Humbarger, Frank F., U. S. Navy, R. C. Pierson, Indianapolis, and W. G. Schepman, Speedway, Ind., assignors to Union Carbide and Carbon Corporation. Automatic changeover mechanism. 2,518,894, Aug. 15.

Humber Limited, assignee: *See*—
Frost, Edgar D.

Humberson, Sidney T., Casper, Wyo. Safety-type cathead construction. 2,497,220, Feb. 14.

Humble, Charles F., assignor to Western Insulated Products, Inc., St. Helens, Oreg. Composition shake panel. 2,501,221, Mar. 21.

Humble, Louis L.: *See*—
Stachowiak, William E., and Humble.

Hume, Harold F.: *See*—
Karnuth, Richard E., and Hume.
Ulrich, Arthur E., Hume, Arcarese, and Steele.

Hume, Harold F., Marshallton, assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Method and apparatus for the two-stage draw of synthetic funicular structures. 2,533,013, Dec. 5.

Hume, Horace D., Mendota, Ill. Trailer hitch. 2,493,874, Jan. 10.

Hume, James P., Chicago, Ill. Projector adapter. 2,501,055, Mar. 21.

Hume, Patrick H., assignee: *See*—
Oakes, Nathan W.

Hume, Wayne E., Hydro, Okla. Excavating machine. 2,534,972, Dec. 19.

Hume, William C., Willow Grove, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Refrigeration apparatus. 2,504,528, Apr. 18.

Humes, Lawrence W., Detroit, and H. M. Clark, Wayne, assignors to Sherman Industries, Inc., Royal Oak, Mich. Adjustable axle and steering assembly. 2,528,277, Oct. 31.

Humm, John, Jr., Jamaica Estates North, N. Y. Strip stock feeding device. 2,523,571. Sept. 26.

Hummel, August C., Cincinnati, Ohio. Moistening brush and holder. 2,504,690, Apr. 18.

Hummel, Fred E., Long Beach, Calif. Drill pipe wiper. 2,510,114, June 6.

Hummel, Frederick E., Chicago, Ill. Foot operated shoe brushing device. 2,507,407, May 9.

Hummel, Frederick E., Chicago, Ill. Coffee maker and dispenser. 2,529,395, Nov. 7.

Hummer, Jennie M.: *See*—
Clasen, Carl F. N., and Hummer.

Hummer, Richard W., and E. E. Kenaga, assignors to The Dow Chemical Company, Midland, Mich. Miticidal compositions comprising 4-chlorophenyl 4-chlorobenzene sulfonate. 2,528,310, Oct. 31.

Humoller, Fred L.: *See*—
Rider, Theodore H., Humoller and Gershon.

Humpage, Harold A., Bloomfield, assignor, by mesne assignments, to Federal Electric Products Company, Newark, N. J. Circuit breaker. Re. 23,188, Jan. 10.

Humpal, Eugene G., and R. O. Balogh, assignors to The American Coach & Body Co., Cleveland, Ohio. Load-handling utility vehicle. 2,517,434, Aug. 1.

Humphrey, Earl L., and E. Mitchell, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Photochemical chlorination of hydrocarbons. 2,530,699, Nov. 21.

Humphrey, James M., assignor, by mesne assignments, of ninety per cent to Doughboy Industries, Inc., New Richmond, Wis. Cutoff saw with line-of-cut indicator. 2,515,008, July 11.

Humphrey, John P., Kiowa, Kans. Down beater for combines. 2,498,424, Feb. 21

Humphrey, Ralph P., Liberty, Mo. Corn popper. 2,505,966, May 2.

Humphrey, Ralph P., Liberty, Mo. Corn popper. 2,505,967, May 2.

Humphrey, Warren A., Canton, assignor to The Hoover Company, North Canton, Ohio. Converter attachment for suction cleaners. 2,517,670, Aug. 8.

Humphreys, George H., Delavan, Wis. Adjustable shoulder form hanger. 2,524,978. Oct. 10.

Humphreys & Glasgow Limited, assignee: *See*—
Liddle, Harold.
MacGregor, Frank A.

Humphreys, Hanna R., assignor to The Humphreys Railways, Inc., Weems, Va. Pump. 2,516,388, July 25.

Humphreys Railways, Inc., The, assignee: *See*—
Humphreys, Hanna R.

Hundere, Alf: *See*—
Ausman, Milton A., Davis, and Hundere.

Hundley, Robert R., Charlotte, N. C., assignor to Old Dominion Box Company, Lynchburg, Va., Taping means for carton folders. 2,513,647, July 4.

Hundstad, Carl E.: *See*—
Weaver, Richard T., and Hundstad.

Hundstad, Richard L., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Combustion apparatus. 2,513,325, July 4.
Huneman, Arnold: *See*—
Krizkovsky, Fritz L. P., and Huneman.
Hungerford, Churchill, Jr., Wenonah, assignor to Hungerford & Terry, Inc., Clayton, N. J. Fluid distributing or collecting system for water softeners, filters, and the like. 2,532,918, Dec. 5.
Hungerford & Terry, Inc., assignee: *See*—
Hungerford, Churchill, Jr.
Hungerford, Willard C., Inglewood, Calif. Milling machine attachment. 2,508,390, May 23.
Hunick, Harley F., San Pedro, Calif. Variable angle transmission means. 2,504,197, Apr. 18.
Hunicke, Paul A., Kansas City, Mo. Nonmelting candle. 2,515,924, July 18.
Hunkins, Everett D., University City, assignor to Concrete Transport Mixer Co., St. Louis, Mo. Transport mixer. 2,509,867, May 30.
Hunn, Jack D.: *See*—
Hunn, Oliver W. and J. D.
Hunn, Olen D.: *See*—
Zehner, Edward P., and Hunn.
Hunn, Oliver W., Rhome, and J. D. Hunn, Boyd, assignors of one-third to V. B. Acers, Fort Worth, and one-fourth to H. S. Hilburn, Plainview, Tex. Rain gauge. 2,507,206, May 9.
Hunsdorf, William F., Cleveland, Ohio. Collet chuck. 2,529,218, Nov. 7.
Hunsworth, Melvin T., Collegeville, Pa., assignor to Container Corporation of America, Chicago, Ill. Container. Re. 23,257, Aug. 22.
Hunt, Allan R., Lethbridge, Alberta, assignor of twenty-five per cent to G. T. Featherston, Montreal, Quebec, and twenty-five per cent to D. H. Fair, Lacolle, Quebec, Canada. Hanger attachment for door hinges. 2,509,502, May 30.
Hunt, C. Howard Pen Co., assignee: *See*—
Hubbell, Clavin G.
Hunt, Charles F., Akron, Ohio. Poultry defeathering method. 2,523,302, Sept. 26.
Hunt, Douglas P., and V. S. McCarthy, Montevideo, Minn. Garment support. 2,496,473, Feb. 7.
Hunt, Edward W., Chesham, England, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Termination for coaxial lines. 2,498,335, Feb. 21.
Hunt, Edwin L., Lakewood, and O. A. Neuman, Cleveland, Ohio. Wheeled grass shears. 2,521,293, Sept. 5.
Hunt, Everett M., Portsmouth, N. H. Forming machine. 2,512,650, June 27.
Hunt, Everett M., Portsmouth, N. H. Ski. 2,526,137, Oct. 17.
Hunt, George A. K., Pawleys Island, S. C., assignor to Chain Belt Company, Milwaukee, Wis. Roller mounting. 2,517,208, Aug. 1.
Hunt, Gerald R., Long Beach, Calif. Apparatus for handling a line in a derrick. 2,513,095, June 27.
Hunt, Gerald R., Riverside, Calif. Well rig. 2,527,255, Oct. 24.
Hunt, Guss, Francisco, Ind. Land vehicle steering mechanism. 2,497,357, Feb. 14.
Hunt, Herschel, Lafayette, Ind., assignor to Keuffel & Esser Company, Hoboken, N. J. Slide rule. 2,500,460, Mar. 14.
Hunt, John H., assignee: *See*—
Griffin, Roy T.
Hunt, Lionel A., administrator: *See*—
Vickery, Frederick W.
Hunt, Loyd E., Oakhurst, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Frequency measuring system. 2,499,755, Mar. 7.
Hunt, Madison, Claymont, and H. W. Bradley, Wilmington, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. N,n′-diacyl-tetrahydro-1,3,5-oxadiazines. 2,493,068, Jan. 3.
Hunt, Orville A.: *See*—
Harrison, Elmer P., Hunt, and Tiller.
Hunt, Orville A., and L. Tiller, assignors, by mesne assignments, to Reconstruction Finance Corporation, Chicago, Ill. Clear channel steam system. 2,515,647, July 18.
Hunt, Orville A., and L. Tiller, assignors, by mesne assignments, to Reconstruction Finance Corporation, Chicago, Ill. Steam system control. 2,515,648, July 18.
Hunt, Orville A., and L. Tiller, assignors, by mesne assignments, to Reconstruction Finance Corporation, Chicago, Ill. Steam system. 2,515,649, July 18.
Hunt, Orville A., and L. Tiller, assignors, by mesne assignments, to Reconstruction Finance Corporation, Chicago, Ill. Steam heating system. 2,515,650, July 18.
Hunt, Orville A., and L. Tiller, assignors, by mesne assignments, to Reconstruction Finance Corporation, Chicago, Ill. Steam system control unit. 2,515,652, July 18.
Hunt, Ralph R., Haddonfield, N. J. Nested ash tray stand. 2,507,443, May 9.
Hunt, Richard H., Jr., Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Polyvinyl acetal-resinous pine-wood extract composition. 2,527,497, Oct. 24.
Hunt, Robert E., Grosse Pointe Park, Mich. Tool support. 2,529,396. Nov. 7.
Hunt, Rodney, Machine Company, assignee: *See*—
Belcher, Harold H.
Hatch, Robert L.
Hunt, Roy B., assignee: *See*—
Benson, Earl L., Young, and Hunt.
Hunt, Scott F., Meriden, assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn. Control apparatus for internal-combustion engines. 2,493,582, Jan. 3.
Hunt, Victor E.: *See*—
Taylor, Harry, Hunt, and Melcher.
Hunt, William: *See*—
Kemp, William W., and Hunt.
Hunt, William E.: *See*—
Sikorsky, Igor I., Hunt, and Katzenberger.
Hunt, William E., Brooklyn, assignor to United Aircraft Corporation, East Hartford, Conn. Two-bladed tail rotor on common hinge. 2,499,314, Feb. 28.
Hunt, William E., Brooklyn, Conn. Vibration dampening drive system for aircraft. 2,530,467, Nov. 21.
Hunt, William R., Fort Wayne, Ind., assignor to General Electric Company. Wire tensioning device. 2,534,130, Dec. 12.
Huntar, Felix, Livingston, N. J., assignor to American Can Company, New York, N. Y. Can cover feeding mechanism. 2,502,459, Apr. 4.
Huntar, Felix, Livingston, N. J., assignor to American Can Company, New York, N. Y. Counter mechanism for can covers. 2,521,724, Sept. 12.
Hunter, Albert H., El Centro, Calif. Dispensing receptacle. 2,506,833, May 9.
Hunter, Byron A., and N. K. Sundholm, Naugatuck, Conn., assignors to United States Rubber Company, New York, N. Y. Fungicidal composition comprising a 4,5-pyrazoledione-4-oxime. 2,510,696, June 6.
Hunter Douglas Corporation, assignee: *See*—
Hunter, Joseph L.
Hunter, Joseph L., and Martin.
Hunter, Joseph L. and E. J., and Martin.
Hunter, Edwin J.: *See*—
Hunter, Joseph L. and E. J., and Martin.
Hunter, Eldred T., assignor to Material Progress Corporation, Washington, D. C. Knockdown box. 2,515,007, July 11.
Hunter, Frank B., Glendale, assignor to Thorobred Photo Service, Inc., Los Angeles, Calif. Interchangeable optical system for cameras. 2,502,788, Apr. 4.
Hunter, Frank B., Van Nuys, Calif., assignor to C. A. Miketta. Hydraulic cylinder construction. 2,493,875, Jan. 10.
Hunter, Gerald G.: *See*—
Haushalter, Fred L., and Hunter.
Hunter, Ira, assignor of one-half to I. S. Kendall, Carlisle, Ky. Machine-sickle sharpener. 2,529,805, Nov. 14.
Hunter, James B., Upper Darby, assignor to The Atlantic Refining Company, Philadelphia, Pa. Preparation of acid adsorptive alumina. 2,528,751, Nov. 7.
Hunter, James B., Upper Darby, R. C. Taylor, Melrose Park, and W. S. Young, Philadelphia, Pa., assignors to Consolidated Engineering Corporation, Pasadena, Calif. Apparatus for transferring fluids. 2,531,436, Nov. 28.
Hunter, James H., and J. Korman, assignors to The Upjohn Company, Kalamazoo, Mich. Aryl-substituted valeric acids. 2,499,920, Mar. 7.
Hunter, James P., Eastlake, and A. P. Cawl, Painesville, Ohio, assignors to General Electric Company. Suction cleaner demother. 2,529,158. Nov. 7.
Hunter, John A., West Mifflin Borough, Allegheny County, Pa., assignor to Carnegie-Illinois Steel Corporation. Safety chain anchorage for agitators with suspended baffle. 2,519,657, Aug. 22.
Hunter, Joseph L., assignor, by mesne assignments, to Hunter Douglas Corporation, Riverside, Calif. Tilting mechanism for Venetian blinds. 2,498,079, Feb. 21.
Hunter, Joseph L. and E. J., and T. Martin, assignors, by mesne assignments, to Hunter Douglas Corporation, Riverside, Calif. Rolling strip material. 2,503,824, Apr. 11.
Hunter, Joseph L., and T. Martin, assignors to Hunter Douglas Corporation, Riverside, Calif. Venetian blind ladder. 2,533,584, Dec. 12.
Hunter, Joseph L., and T. Martin, assignors, by mesne assignments, to Hunter Douglas Corporation, Riverside, Calif. Venetian blind. 2,535,926, Dec. 26.
Hunter, Lloyd P., Oak Ridge, Tenn., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Coaxial line to wave guide matching section. 2,501,335, Mar. 21.
Hunter, Louise R., assignee: *See*—
Mace, Harry W.
Hunter, Melvin J., assignor to The Dow Chemical Company, Midland, Mich. High vacuums. 2,530,356, Nov. 14.
Hunter, Melvin J., assignor to Dow Corning Corporation, Midland, Mich. Organo silicon derivatives of cellulose. 2,532,622, Dec. 5.
Hunter, Philip V., assignor, by mesne assignments, to British Insulated Callender's Cables Limited, London, England. Buoyant electric cable. 2,518,323, Aug. 8.
Hunter, Ralph M., assignor to The Dow Chemical Company, Midland, Mich. Packaged magnesium anode with compacted backfill. 2,527,361, Oct. 24.

Hunter, Ralph M., R. D. Blue, and M. P. Neipert, assignors to The Dow Chemical Company, Midland, Mich. Preparing sodium chloride brine. 2,521,459, Sept. 5.
Hunter, Richard B., Shorewood, and H. L. Mekelburg, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Circuit controller. 2,521,519, Sept. 5.
Hunter, Richard S., Franklin Park, Va., assignor to the United States of America as represented by the Secretary of Commerce. Signaling mirror. 2,504,982, Apr. 25.
Hunter, Robert H., and W. H. Friberg, Auburn, assignors to Norton Company, Worcester, Mass. Diamond abrasive article. 2,495,257, Jan. 24.
Hunter, Robert L.: *See*—
Seymour, George W., Ward, and Hunter.
Hunter, Rutherford H., Wooster, Ohio. Flow regulator. 2,506,152, May 2.
Hunter, Theodore A., Iowa City, Iowa, assignor to Collins Radio Company. Oscillator. 2,509,231, May 30.
Hunter, William, Spondon, near Derby, England, assignor to Celanese Corporation of America. Preparation of aliphatic alcohols. 2,529,553, Nov. 14.
Huntington, Charles M., U. S. Navy, Swarthmore, Pa. Two-cycle internal-combustion engine. 2,508,391, May 23.
Huntington, James M., La Canada, Calif. Barbeque spit structure. 2,521,220, Sept. 5.
Huntington, Nathaniel R., Hilts, Calif. Vehicle drive. 2,494,945, Jan. 17.
Huntington, Sidney O., Scotia, N. Y., assignor to General Electric Company. Tool for handling snap rings. 2,518,142, Aug. 8.
Huntley, Ernest A., assignee: *See*—
Wolff, Harry J. D.
Huntley, Wilson C., and K. S. Wright, Portland, Oreg. Fishing lure. 2,496,213, Jan. 31.
Huntzinger, Kenneth P., Pendleton, Ind. Camera for making successive exposures on a film transverse to the length thereof. 2,497,358, Feb. 14.
Hunziker, Fred, assignor to The Weatherhead Company, Cleveland, Ohio. Indexing chuck. 2,502,260, Mar. 28.
Hunziker, Rudolf, Neuenegg, Switzerland. Sanding device for vehicles. 2,498,164, Feb. 21.
Hupcey, Joseph V., West Hempstead, N. Y., assignor to The Sperry Corporation. Attenuating apparatus for high-frequency energy. 2,515,228, July 18.
Hupp, Arleigh G., assignor to The Midland Co., South Milwaukee, Wis. Mower dampening hitch. 2,532,230, Nov. 28.
Hupp, Edward E., assignor to Bendix Aviation Corporation, South Bend, Ind. Clutch control mechanism. 2,520,721, Aug. 29.
Hupp, Joseph M., Norfolk, Nebr. Stock waterer. 2,514,065, July 4.
Huppert, William, New York, N. Y. Anchoring device. 2,495,103, Jan. 17.
Huppert, William, New York, N. Y. Anchoring device. 2,495,104, Jan. 17.
Huppert, William, assignor to Kenore Products Corp., New York, N. Y. Hair fastener. 2,495,455, Jan. 24.
Hurault, Jean L., assignor to Compagnie Industrielle des Telephones, Paris, France. Frequency modulation transmission system. 2,519,836, Aug. 22.
Hurd Corporation, assignee: *See*—
Zahm, George G.
Hurd, Edwin P.: *See*—
Barton, Alfred P., and Hurd.
Hurd, George K.: *See*—
Baumann, Arthur C., and Hurd.
Hurd, Loren C., Jenkintown, and G. C. Riley, assignors to Rohm & Haas Company, Philadelphia, Pa. Dry stabilized sodium dithionite composition. 2,516,321, July 25.
Hurlburt, Wilbur F., South Orange, assignor to Automatic Switch Company, Orange, N. J. Electrical circuit for engine-driven generators. 2,510,891, June 6.
Hurlbut, Gordon K.: *See*—
Ward, Vincent S., and Hurlbut.
Hurley, Albert B., Huntington, N. Y., assignor to North American Paper Process Company, Inc., Dover, Del. Opacification of paper. 2,506,153, May 2.
Hurley, Albert B., Huntington, N. Y. Combination blackboard and projection screen. 2,528,311, Oct. 31.
Hurley, Frederick A., Miami, Fla. Ice-cube dispensing machine. 2,510,400, June 6.
Hurley, John: *See*—
Schallis, Alvin, and Hurley.
Hurley, Samuel C., Jr., assignee: *See*—
Angell, Charles H.
Gieseke, Werner A.
Hurley, Samuel C., Jr., W. L. Hurley, executrix of said Samuel C. Hurley, Jr., deceased, assignor to W. L. Hurley, Danville, Ill. Amplifying circuit. 2,499,921, Mar. 7.
Hurley, Samuel C., Jr., deceased, Danville, Ill.: W. L. Hurley, executrix of said S. C. Hurley, Jr., assignor to W. L. Hurley, Danville, Ill. Electronic synchronizing circuit. 2,518,324. Aug. 8.
Hurley, Samuel C., Jr., deceased, Danville, Ill.; W. L. Hurley, executrix of said S. C. Hurley, Jr., assignor to W. L. Hurley, Danville, Ill. Electronic synchronizing device and magnetic switch. 2,518,325, Aug. 8.
Hurley, Wilmina L., executrix, assignee: *See*—
Angell, Charles H.
Gieseke, Werner A.
Hurley, Samuel C., Jr.
Hurndell, Allan, assignor of one-half to Robertson & Woodcock Limited, London, England. Show stand display container. 2,512,546, June 20.
Huron Portland Cement Company, assignee: *See*—
Browne, Herbert A., and Hillman.
Browne, Herbert A., and Shea.
Schemm, Henry R.
Townsend, Paul H., and Schemm.
Hursh, Robert W., Erlton, N. J., assignor to The B. F. Goodrich Company, New York, N. Y. Making vaned tires. 2,497,774, Feb. 14.
Hurst, Alonzo, Providence, R. I., assignor to Atlantic Optical Products, Inc. Detachable sweat bar for rimless spectacle mountings. 2,516,701, July 25.
Hurst, Charles A., Jr.: *See*—
Stine, Lester G., and Hurst, Jr.
Hurst, Edward, West Newton, assignor to B. F. Perkins & Son, Inc., Holyoke, Mass. Apparatus for and method of conditioning textile fibers. 2,509,147, May 23.
Hurst, Edward, West Newton, assignor to B. F. Perkins & Son, Inc., Holyoke, Mass. Conditioning fibers. 2,509,148, May 23.
Hurst, Hubert M.: *See*—
Hord, Otis P., and Hurst.
Hurst, Ira N.: *See*—
Hansen, William L., and Hurst.
Hurt, Robert K., assignor to The Gates Rubber Company, Denver, Colo. Trolley wire guard for mines. 2,512,022, June 20.
Hurt, Victor H., Cranston, R. I., assignor to United States Rubber Company, New York, N. Y. Bathing cap. 2,505,359, Apr. 25.
Hurt, William V., Monrovia, Ind. Seeder attachment for tractors. 2,496,162, Jan. 31.
Hurthig, Peter E., Vancouver, British Columbia, Canada. Animal trap. 2,506,834, May 9.
Hurvitz, Hyman, Washington, D. C., assignor of one-half to M. Wallace, doing business as Panoramic Laboratories, East Portchester, Conn., and one-half to Panoramic Radio Corporation, New York, N. Y. Panoramic system. 2,507,525, May 16.
Hurvitz, Hyman, Washington, D. C., assignor of one-half to M. Wallace, doing business as Panoramic Laboratories, East Portchester, Conn., and one-half to Panoramic Radio Corporation, New York, N. Y. Panoramic azimuth recorder. 2,516,389, July 25.
Hurvitz, Hyman, Washington, D. C., assignor of one-half to M. Wallace, doing business as Panoramic Laboratories, East Portchester, Conn., and one-half to Panoramic Radio Corporation, New York, N. Y. Multiband panoramic receiving system. 2,525,679, Oct. 10.
Hurvitz, Hyman, Washington, D. C., assignor of one-half to Panoramic Radio Corporation, New York, N. Y., and one-half to M. Wallace, doing business as Panoramic Laboratories, East Port Chester, Conn. Radar azimuth and distance indication recorder. 2,534,820, Dec. 19.
Hurwich, Sidney B.: *See*—
Doremus, Howard I., and Hurwich.
Hurwitz, Jacob: *See*—
Hurwitz, Martin and Jacob.
Hurwitz, Martin, and J., Brooklyn, N. Y. Collapsible structure. 2,523,533, Sept. 26.
Hurxthal, Frederick E., Glenside, assignor to Proctor & Schwartz, Inc., Philadelphia, Pa. Web looping device for festoon type driers. 2,534,026, Dec. 12.
Husák, Robert, Prague, Czechoslovakia. Contact joint of metal construction rods. 2,511,532, June 13.
Huse, Robert M.: *See*—
Gates, John W., Jr., and Huse.
Huseby, Herman O., Los Angeles, assignor to M. G. Huseby, Altadena, Calif. Dough-rolling device. 2,524,705, Oct. 3.
Huseby, Mildred G., assignee: *See*—
Huseby, Herman O.
Husek, Stanley R., Watervliet, Mich. Boat trailer attachment. 2,522,616, Sept. 19.
Hush, James M.: *See*—
Blair, John M., and Hush.
Hansen, William L., and Hush.
Hush, James M., and D. E. Bench, Dayton, Ohio, assignors to Hansen Manufacturing Company, Princeton, Ind. Vibrator type motor. 2,494,760, Jan. 17.
Hushley, Walter J., and W. M. Siebert, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Protection of phosphors from attack by alkali vapors. 2,533,809, Dec. 12.
Husk, Harry M., Newburyport, G. Smith, and R. H. Shaw, Concord, assignors to Electricooker, Inc., Newburyport, Mass. Roasting method and machine. 2,522,448, Sept. 12.
Hussa, Leopold R., Portland, Oreg. Power take-off. 2,496,538, Feb. 7.
Hussa, Leopold R., Portland, Oreg. Dual steering control arrangement for boats. 2,527,362, Oct. 24.
Hussain, Syed F., Syednagar, Punjab, India. Speed regulating device. 2,514,158, July 4.
Hussey, Chester L., Belchertown, and F. T. Greene, Easthampton, Mass., assignors to Savage Arms Corporation, Utica, N. Y. Lawn mower construction. 2,532,813, Dec. 5.

Hussey, Norman R.: *See*—
Dunbar, James Y., Schubert, and Hussey.
Husson, Jean, assignor to Societe dite: Scintex Societe Anonyme, Courbevoie, France. Automatic time switch for electric applications and notably for signaling circuits. 2,515,407, July 18.
Hussong, Robert G., Los Angeles, Calif., assignor to Peterson Show Case & Fixture Company. Can bracing means. 2,510,635, June 6.
Husted, Harry F., Shavertown, Pa. Ladder foot. 2,496,539, Feb. 7.
Hustede, Karl H., Hollywood, Calif. Suit hanger. 2,509,346, May 30.
Huston, Milton D.: *See*—
Hayter, Bruce, and Huston.
Huston, Robert E., Henderson, Tex. Manually propelled implement handle. 2,535,419, Dec. 26.
Huston, William M., Lima, Ohio. Operating machinery for load handling equipment. 2,494,618, Jan. 17.
Huston, William M., Lima, Ohio. Boom stop for load handling machines. 2,509,686, May 30.
Huston, William M., Lima, Ohio. Load handling equipment. 2,513,726, July 4.
Husy, Walter, Zurich, Switzerland. Device on automotive vehicles for preventing the inadvertent backward motion of the vehicle. 2,528,957, Nov. 7.
Huszagh, Ralph D., assignor to Don Manufacturing Company, Chicago, Ill. Thermostatically operated room ventilator. 2,516,879, Aug. 1.
Huszár, Kálmán Z., North Indian Hill, Ohio. Rod mill. 2,513,413, July 4.
Huszár, Kálmán Z., assignor to W. M. Huszar, Foster, Ohio. Cylindrical attrition mill with rotary midsection. 2,518,143, Aug. 8.
Huszar, Wanda M., assignee: *See*—
Huszár, Kálmán Z.
Hutchens Industries, assignee: *See*—
Barrickman, Lloyd T.
Hutchens, John: *See*—
Phillips, David T., and Hutchens.
Hutchings, Brian L., Pearl River, assignor to American Cyanamid Company, New York, N. Y. Pteroyldiglutamylglutamic acid and preparation of the same. 2,500,825, Mar. 14.
Hutchings, George H., Tuckahoe, N. Y., and R. L. Thompson, Richmond, Va., assignors to Burroughs Wellcome & Co. (U. S. A.) Inc., New York, N. Y. 5-acylamino uracils and making the same. 2,494,125, Jan. 10.
Hutchings, Horace R., Purley, England. Dust filter. 2,534,600, Dec. 19.
Hutchins, Allan S., Oakham, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft stop motion for narrow ware looms. 2,512,428, June 20.
Hutchins, Francis E.: *See*—
Feustel, William K., and Hutchins.
Hutchinson, David W.: *See*—
Redding, Arnold H., and Hutchinson.
Hutchinson, David W., Mamaroneck, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Variable area exhaust nozzle for power plants. 2,514,393, July 11.
Hutchinson, Harold K.: *See*—
Shepard, Robert O., and Hutchinson.
Hutchinson, Henry P., Washington, D. C. Speech privacy apparatus. 2,495,727, Jan. 31.
Hutchinson, James F.: *See*—
Abbott, Sylvia H., and Hutchinson.
Hutchinson, Job, Great Neck, N. Y. Washing machine drive. 2,513,326, July 4.
Hutchinson, Oliver C. K., Alton, Ill. Lifting mechanism. 2,530,771, Nov. 21.
Hutchinson, Paul R., Rochester, N. Y. Lawn mower blade. 2,495,812, Jan. 31.
Hutchinson, William M., Bartlesville, Okla., assignor to Phillips Petroleum Company. Carboxyethyl cellulose ethers. 2,519,249, Aug. 15.
Hutchinson, Willis S., St. Paul, Minn., assignor to Mathieson Chemical Corporation. Generation of chlorine dioxide. 2,530,468, Nov. 21.
Hutchison, Clyde A., Jr.: *See*—
Malm, John G., and Hutchison.
Hutchison, Eleanore L., Milwaukee, Wis. Brassière. 2,521,373, Sept. 5.
Hutchison, Lee R., Butler, Pa. Fishing line reel with backlash control. 2,516,517, July 25.
Hutchison, Miller R., Jr., assignor to Eastman Kodak Company, Rochester, N. Y. Sound film scanning apparatus with automatic light variation compensation. 2,496,943, Feb. 7.
Hutchison, Robert D., Croydon, Pa., assignor to Chadbourn Hosiery Mills, Incorporated. Straightening pullthreads in nylon hose. 2,493,876, Jan. 10.
Huth, Carl M., Richmond, Ind., assignor to Belden Manufacturing Company, Chicago, Ill. Strain relief. 2,494,814, Jan. 17.
Huth, Jack A., Venango, assignor to Swing, Inc., Knox, Pa. Door jamb swing. 2,521,977, Sept. 12.
Huthsing, Charles K., Beverly Hills, Calif. Valve mechanism. 2,506,872, May 9.
Hutson, Alton W., Richmond, Calif. Storing, handling, and transporting motor vehicles. 2,524,260, Oct. 3.
Hutson, Canfield, J. C. Kidd, and C. E. Blair, Cumberland, Md., assignors to Celanese Corporation of America. Composition for removing paint and varnish from coated surfaces. 2,495,728, Jan. 31.
Hutson, Canfield, J. C. Kidd, and C. E. Blair, Cumberland, Md., assignors to Celanese Corporation of America. Removing coatings from surfaces. 2,495,729, Jan. 31.
Hutt, Herman H., Brooklyn, N. Y. Display device. 2,498,855, Feb. 28.
Hutt, Philip, Milford, Conn., assignor to General Electric Company. Electric switching device. 2,505,548, Apr. 25.
Hutter, Clemens A.: *See*—
Schwoegler, Edward J., and Hutter.
Hutter, Clemens A., assignor to Nox-Rust Chemical Co., Chicago, Ill. Carton having metal corrosion inhibiting characteristics. 2,534,201, Dec. 12.
Hutter, Rudolf G. E., Flushing, N. Y., assignor to Sylvania Electric Products, Inc. Ion trap. 2,531,050, Nov. 21.
Huttinger, Walter G., assignor to Guibert Steel Company, Pittsburgh, Pa. Combined general duty and wrecker truck. 2,509,435, May 30.
Hutto, Marsden C., Detroit, Mich. Honing method and apparatus. 2,530,615, Nov. 21.
Hutton, Frederick C., Dallas, Tex. Fishhook extractor. 2,493,142, Jan. 3.
Hutton, Paul C., Washington, D. C. Cigarette holder. 2,502,951, Apr. 4.
Hutton, Paul C., Washington, D. C. Mechanical power unit. 2,510,978, June 13.
Hutton, Paul C., Washington, D. C. Power-driven oscillating eraser. 2,534,773, Dec. 19.
Hutton, Percy D., Buffalo, N. Y. Rotary engine. 2,525,903, Oct. 17.
Hutton, Philip C., assignor to Silentbloc, Limited, London, England. Rubber bearing. 2,517,791, Aug. 8.
Huus, Theodore O., Plaza, N. Dak. Hub assembly for wheels, gears, pulleys, and the like. 2,514,242, July 4.
Huyck, F. C., & Sons, assignee: *See*—
Race, Francis R.
Van Alstyne, Howard M., and Bell.
Huye, Charlotte, legatee: *See*—
Huye, Joseph G.
Huye, Joseph G., deceased, New Orleans, La.; C. and M. Huye, legatees by judgment of possession of said J. G. Huye, assignor to Huye Space Saving Box System, Inc., New Orleans, La. Multicompartment box. 2,527,221, Oct. 24.
Huye, Merle, legatee: *See*—
Huye, Joseph G.
Huye Space Saving Box System Inc., assignee: *See*—
Huye, Joseph G.
James, Louise.
Huyett, Daniel D., assignor to Atlas Powder Company, Wilmington, Del. Assembly of electric explosion initiators. 2,532,770, Dec. 5.
Huyett, Robert B., assignor to Pangborn Corporation, Hagerstown, Md. Work blasting method and machine. 2,510,927, June 6.
Huyser, Francis C., East Moline, Ill., assignor to American Machine and Metals, Inc., New York, N. Y. Load indicating and control apparatus for testing machines. 2,502,009, Mar. 28.
Huyser, Hendrik W.: *See*—
Overhoff, Johan, and Huyser.
Huyton, Alfred: *See*—
Clarke, John S., and Huyton.
Huyton, Alfred, assignor to Joseph Lucas Limited, Birmingham, England. Pipe joint. 2,494,659, Jan. 17.
Huyton, Alfred, assignor to Joseph Lucas Limited, Birmingham, England. Combustion chamber for prime movers. 2,509,503, May 30.
Huzenlaub, Erich G., Brentford, England. Extracting and preserving the original flavors and food value of fruit juices. 2,517,569, Aug. 8.
Hvam, Ole, Grefsen near Oslo, Norway. Device for use in collecting of blood for blood tests. 2,517,490, Aug. 1.
Hyatt, Grace G., Hemet, Calif. Hard boiled egg sheller. 2,498,811, Feb. 28.
Hybinette, Sven E., and F. C. Cary, Wilmington, Del. Producing hydrogen. 2,533,937, Dec. 12.
Hybler, Bretislav, Hubalov, Czechoslovakia. Alternating current generator. 2,501,222, Mar. 21.
Hyde, Collin, Bethel Township, Berks County, and F. P. Shonkwiler, Crafton, assignors to Harbison-Walker Refractories Company, Pittsburgh, Pa. Refractory shape and making. 2,501,336, Mar. 21.
Hyde, Donald B., Newton, Mass. Bird cake holder. 2,518,549, Aug. 15.
Hyde, Harry H., Chicago, Ill. Tab pulling machine. 2,525,904, Oct. 17.
Hyde, James F., assignor to Corning Glass Works, Corning, N. Y. Organo-siloxanes and preparing them. 2,504,839, Apr. 18.
Hyde, James F., Corning, N. Y., assignor, by mesne assignments, to Owens-Corning Fiberglas Corporation. Manufacture of glass yarn. 2,531,571, Nov. 28.
Hyde Manufacturing Company, assignee: *See*—
Ferguson, Alan C.
Soldani, Albert.
Hyde, Merritt A., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Ventilation of electric motors. 2,512,332, June 20.
Hyde, Robert W., Teaneck, N. J. Case with double-acting spring hinge. 2,506,789, May 9.
Hydraulic Brake Company, assignee: *See*—
Frick, Harold L.
La Brie, Ludger E.

Hydraulic Development Corp., Inc., The, assignee: *See*—
Muller, Johan A.
Hydraulic Dredging Company, Ltd., assignee: *See*—
Enright, Paul M.
Hydraulic Engineering Co., Inc., assignee: *See*—
Carleton, Emile J.
Hydraulic Equipment Company, assignee: *See*—
Stacey, Hugh J., and Schmiel.
Stephens, William T.
Hydril Corporation, assignee: *See*—
Knox, Granville S.
MacArthur, Melvin D.
Hydro-Aire, Incorporated, assignee: *See*—
Tomlinson, Lloyd E.
Hydro-Blast Corporation, The, assignee: *See*—
Petty, Daniel H.
Webster, Ronald, and Petty.
Hydrocarbon Research, Inc., assignee: *See*—
Buschow, Herman F.
Frankenburg, Walter G.
Frankenburg, Walter G., and Layng.
Garbo, Paul W.
Johnson, Evan A., Jr.
Keith, Percival C.
Layng, Edwin T.
Riblett, Earl W.
Scheibel, Edward G.
Hydro-Form Corporation, assignee: *See*—
Chyba, Joseph A.
Hydro Mecanique, assignee: *See*—
Nussbaum, Jules G.
Hydro-Nitro S. A., assignee: *See*—
Bradbury, Clifford C.
La Brie, Ludger E.
Weber, Louis F.
Hydropress, Incorporated, assignee: *See*—
Bertrand, Joseph V.
Butner, Edgar A.
Hydroway, Incorporated, assignee: *See*—
McGuire, Arthur M.
Hyghlago, Tobito, Taft, Okla. Nose and mouth protector. 2,515,009, July 11.
Hyland, William A., Horicon, Wis., assignor to John Deere Van Brunt Company. Adjustable gearing. 2,498,606, Feb. 21.
Hyland, William A., Horicon, Wis., assignor to John Deere Van Brunt Company. Cultivator. 2,498,887, Feb. 28.
Hyland, William A., and E. E. Schnell, Horicon, Wis., assignors to John Deere Van Brunt Company. Winged cultivator. 2,498,888, Feb. 28.
Hyland, William A., Horicon, Wis., assignor to John Deere Van Brunt Company. Dirt guard for grain drills. 2,533,374, Dec. 12.
Hyland, William A., and R. R. Borngraeber, Horicon, Wis., assignors to John Deere Van Brunt Company. Disconnectible acreage measuring device for grain drills. 2,524,385, Oct. 3.
Hyle, Jacob A., Detroit, Mich., and R. A. Thomann, Clayton, Mo. Rail anchor. 2,511,062, June 13.
Hyle, Jacob A., deceased, Pittsburgh, Pa.; Fidelity Trust Company, administrator of said J. A. Hyle. Rail anchor. 2,533,375, Dec. 12.
Hyle, Jacob A., Pittsburgh, and S. L. Favinger, Mount Lebanon, Pa. Rail anchor. 2,535,739, Dec. 26.
Hyler, Loiell L., assignor to La Plant-Choate Manufacturing Co., Inc., Cedar Rapids, Iowa. Earth moving equipment. 2,529,159, Nov. 7.
Hyler, Loiell L., assignor to La Plant-Choate Manufacturing Co., Inc., Cedar Rapids, Iowa. Hitch construction. 2,535,927, Dec. 26.
Hyman, Benjamin M., Moline, Ill., assignor to International Harvester Company. Vertically swingable extension for tractor drawbars. 2,496,474, Feb. 7.
Hyman, Benjamin M., Moline, Ill., assignor to International Harvester Company, Corn harvester. 2,513,941, July 4.
Hyman, Benjamin M., Moline, Ill., assignor to International Harvester Company. Floating pickup device for attachment to agricultural implement platforms. 2,524,196, Oct. 3.
Hyman, Benjamin M., Moline, Ill., assignor to International Harvester Company. Cotton stripper machine. 2,532,065, Nov. 28.
Hyman, Henry, assignee: *See*—
Muldoon, Bernard F.
Hyman, Julius, Chicago, Ill. Insecticide comprising cyclodiene quinone adducts. 2,507,207, May 9.
Hyman, Julius, Chicago, Ill. Compositions comprising halogenated cyclo-diene quinone adducts. 2,507,208, May 9.
Hyman, Julius, assignor to Velsicol Corporation, Chicago, Ill. Polyhalogenated polycyclic hydrocarbons and insecticides thereof. 2,519,190, Aug. 15.
Hyman, Mark, Jr., Belmont, and C. D. West, assignors to Polaroid Corporation, Cambridge, Mass. Sheetlike light-polarizing complex of iodine and a polyvinyl compound with protective surface boric acid-polyvinyl compound complex. Re. 23,297, Nov. 28.
Hyman, Nathaniel, Woodmere, N. Y. Molded surface ornamentation. 2,529,945, Nov. 14.
Hyman, Sidney, New York, N. Y. Adjustable belt. 2,498,685, Feb. 28.

Hyman, Sidney, New York, N. Y. Billfold. 2,511,533, June 13.
Hynson, Westcott & Dunning, Incorporated, assignee: *See*—
Bohls, Sidney W.
Hypro Engineering Co., assignee: *See*—
Sadler, Harry J., and Cook.
Hyresgasternas Sparkasse-och Byggnadsforeningars Riksforbund u. a. p., assignee: *See*—
Norrefeldt, Ernst E. A., and Holst.
Hyster Company: *See*—
Dimick, Henry N.
Hyster Company, assignee: *See*—
Johnson, George V.
Shoemaker, Robert C.
Zwald, Adolph.
Hyvari, William: *See*—
Spearing, Leonard N., and Hyvari.
Hy-Way Machinery, Incorporated, assignee: *See*—
Miller, William J.
I-T-E Circuit Breaker Company, assignee: *See*—
Caswell, Arthur S.
Goessel, Elmer.
Graves, Herbert C., Jr.
Jensen, Otto.
Wood, Joseph D.
Yarrick, Charles J.
Yarrick, Charles J., and Fredrickson.
Iams, Harley, Princeton, N. J., assignor to Radio Corporation of America. Phase front plotting device. 2,504,334, Apr. 18.
Iams, Harley, Venice, Calif., assignor to Radio Corporation of America. Reflector for radar navigation. 2,510,020, May 30.
Iams, Harley, Venice, Calif., assignor to Radio Corporation of America. Scanning antenna. 2,527,222, Oct. 24.
Iams, Harley, Princeton, and H. B. De Vore, Cranbury, N. J., assignors to Radio Corporation of America. Radio vision system with high-speed scanner for short radio waves. 2,524,292, Oct. 3.
Iams, Harley A., Princeton, N. J., assignor to Radio Corporation of America. Radio wave device. 2,504,333, Apr. 18.
Iams, Harley A., Princeton, N. J., assignor to Radio Corporation of America. Television pickup tube. 2,520,244, Aug. 29.
Iams, Harley A., Princeton, N. J., assignor to Radio Corporation of America. Radio wave conducting device. 2,528,367, Oct. 31.
Iandiorio, Sam, Woodhaven, assignor of thirty-three and one-third per cent to J. Marchese, and thirty-three and one-third per cent to M. Guttman, Brooklyn, N. Y. Automobile skid chain. 2,514,243, July 4.
Iatesta, Matthew J., Philadelphia, Pa. Electronic vacuum tube. 2,495,258, Jan. 24.
Iavelli, Teno, Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Roller type overrunning clutch. 2,498,856, Feb. 28.
Iavelli, Teno, Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Transmission control. 2,498,889, Feb. 28.
Iavelli, Teno, Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Transmission control. 2,513,801, July 4.
Ice, Lester B., Shreveport, La. Side wall coring device. 2,500,252, Mar. 14.
Ice Cream Novelties, Inc., assignee: *See*—
Overland, Leo D.
Ichelson, Rose R., Philadelphia Pa., assignor of one-fourth to E. Unterberger and one-fourth to J. G. Denny, Jr. Treponema pallidum culture and products thereof. 2,513,327, July 4.
Ickringill, Arthur D., assignor of one-third to Ira Ickringill and Company Limited, Bradford, England. Flyer for spinning frame. 2,500,827, Mar. 14.
Ickringill, Ira, and Company Limited, assignee: *See*—
Ickringill, Arthur D.
Ide, George H., assignee: *See*—
Tarwater, Lawson.
Ide, John M., Washington, D. C. Underwater sound generator. 2,495,730, Jan. 31.
Ideal Clamp Manufacturing Co., Inc., assignee: *See*—
Zaleske, Michael, J.
Ideal Industries, Inc., assignee: *See*—
Axelsen, Howard C.
Ideal Manufacturing Company, assignee: *See*—
Taylor, Paul A.
Ideal Novelty & Toy Co., assignee: *See*—
Baggott, Edmund W.
Richards, Frank A., and Arliss.
Ideal Roller and Manufacturing Company, assignee: *See*—
Hubbard, Bruce W.
Ideal Seating Company, assignee: *See*—
Nordmark, Henry P.
Idrac, Jean, assignor to Groupement Français pour le Developpement des Recherches Aeronautiques, Paris, France. Icing indicator. 2,494,877, Jan. 17.
Ieu-Liang Wu, William: *See*—
Wallace, Marcel, and Ieu-Liang Wu.
Iezzi, Alfred, Reading, Pa. Method and apparatus for applying wall finishes. 2,513,648, July 4.

Ifield, Richard J.: *See*—
Watson, Ernest A., and Ifield.
Ifield, Richard J., assignor to Joseph Lucas Limited, Birmingham, England. Controlling the flow of liquid fuel to prime movers. 2,503,048, Apr. 4.
Ifield, Richard J., assignor to Joseph Lucas Limited, Birmingham, England. Liquid fuel supply system. 2,519,658, Aug. 22.
Ifield, Richard J., assignor to Joseph Lucas Limited, Birmingham, England. Liquid fuel supply system. 2,523,214, Sept. 19.
Ifield, Richard J., Dural, New South Wales, Australia, and J. J. Righton, Acocks Green, assignors to Joseph Lucas Limited, Birmingham, England. Controlling the temperature of hot gases. 2,524,445, Oct. 3.
Ifield, Richard J., Exeter, New South Wales, Australia, assignor to Joseph Lucas Limited, Birmingham, England. Control valve. 2,524,444, Oct. 3.
Ifield, Richard J., assignor to Joseph Lucas Limited, Birmingham, England. Control means. 2,534,821, Dec. 19.
Ihrig, Harold K., and E. O. Layman, Oklahoma City, Okla., assignors to Kobe, Inc., Huntington Park, Calif. Starting filter for hydraulic pumps. 2,506,790, May 9.
Ihsen, Hulda M.: *See*—
Leonard, Joseph, and Ihsen.
Ihsen, Hulda M., Allentown, Pa., assignor to Charis Corporation. Divided front brassière. 2,523,023, Sept. 19.
Ijams, Sheldon L., Safford, Ariz. Paste and water dispensing brush. 2,522,617, Sept. 19.
Ikert, Bruno M., Chicago, Ill. Two-cycle gasoline engine. 2,513,563, July 4.
Ilacqua, Antonio F., Cleveland, and H. H. Smith, Lakewood, Ohio, assignors to The American Steel and Wire Company of New Jersey. Fatigue resistant steel wire and making the same. 2,527,731, Oct. 31.
Iler, Ralph K., Cleveland Heights, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Liquid alkyl silicones and their preparation. 2,499,865, Mar. 7.
Iler, Ralph K., Cleveland Heights, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of a basic chromic chloride. 2,524,803, Oct. 10.
Ilford Limited, assignee: *See*—
Duffin, George F., and Kendall.
Edwards, Harry D.
Edwards, Harry D., and Kendall.
Farrington, George H.
Hart, John A. H.
Hart, John A. H., and Lee.
Hart, John A. H., Pankhurst, and Smith.
Kendall, John D., and Doyle.
Kendall, John D., and Duffin.
Kendall, John D., and Edwards.
Kendall, John D., and Fry.
Kendall, John D., and Suggate.
Kendall, John D., Wood, and Majer.
Iliff, Kathryn C., Kansas City, Mo. Powdered soap container. 2,528,830, Nov. 7.
Illingworth, James W., Little Aston, Sutton Coldfield, and E. W. Madge, Sutton Coldfield, England, assignors to Dunlop Tire & Rubber Corporation, Buffalo, N. Y. Manufacture of composite products of rubber and rayon and the products obtained thereby. 2,497,454, Feb. 14
Illingworth, James W., Little Aston, Sutton Coldfield, England, assignor to Dunlop Tire & Rubber Corporation, Buffalo, N. Y. Manufacture of composite products of rubber and rayon and the products obtained thereby. 2,518,144, Aug. 8.
Illinois Clay Products Company, The, assignee: *See*—
Nichols, Arthur S., and Prosser.
Illinois Testing Laboratories, Inc., assignee: *See*—
Cartotto, Edward.
Illinois Tool Works, assignee: *See*—
Anderson, William C.
Eckel, Arthur F.
Long, Frederick.
Poupitch, Ouglјesa J.
Swanson, Forrest R.
Illinois Watch Case Co., assignee: *See*—
Koeber, Henry J., Jr.
Martindell, Frank.
Illsley, Graydon F., Omaha, Nebr. Electronic musical instrument. 2,533,461, Dec. 12.
Illuminating Engineering Company, assignee: *See*—
Pretzer, Bert C.
Imagineering Corporation, assignee: *See*—
Nyberg, Curt E., and Larson.
Imbert, Roger J.: *See*—
Sédille, Marcel H. L., and Imbert.
Imbert, Roger J., assignor to Societe Rateau (Societe Anonyme), and R. Anxionnaz, Paris, France. Gas turbine. 2,494,178, Jan. 10.
Imbert, Roger J., assignor to Societe Rateau (Societe Anonyme), and R. Anxionnaz, Paris, France. Braking device for aircraft jet turbopropellers. 2,527,732, Oct. 31.
Imbert, Roger J., assignor to Societe Rateau (Societe Anonyme), Paris, France. Cooling device for the casings of thermic motors, including gas turbines. 2,529,946, Nov. 14.
Imbt, Herbert: *See*—
Sawtelle, Edmund R., Blair, and Imbt.
Imes, Paul V., and C. W. Jobes, assignors to The Carey Salt Company, Hutchinson, Kans. Stabilized iodized salt and making same. 2,506,568, May 9.
Imfeld, Ernest: *See*—
Birchmeier, Fritz.
Imhoff, Robert E., and W. J. Wildern, assignors to Detroit Brass & Malleable Works, Detroit, Mich. Valve. 2,527,733, Oct. 31.
Immel, Ralph B.: *See*—
Wibell, Martin, and Immel.
Imowicz, Maurice, Paris, France. Detachable setting. 2,530,432, Nov. 21.
Imperial Brass Manufacturing Company, The, assignee: *See*—
Franck, George E.
Imperial Chemical Industries Limited, assignee: *See*—
Baird, William, Barr, Lane, and Lowe.
Baird, William, Barr, Lowe, and Oliver.
Baird, William, Barr, and Lowe.
Baird, William, Gaubert, and Lowe.
Basterfield, Horace A.
Bremner, John G. M., and Jones.
Bremner, John G. M., Starkey, and Dowden.
Burrage, Leslie J.
Caldwell, Walter A., and Jack.
Chapman, James, and Roberts.
Coffee, Samuel, Driver, and Fairweather.
Coffey, Samuel, Driver, Fairweather, and Irving.
Coffey, Samuel, Fairweather, and Hathway.
Crawford, John W. C., and Wallsgrove.
Greenwood, William A., and Liddell.
Crowther, Albert F., Curd, and Rose.
Curd, Francis H., and Rose.
Curd, Francis H. S., and Rose.
Curd, Francis H. S., Landquist, Raison, and Rose.
Davis, Walter R.
Dawson, Fred.
Edwards, Edward G., and Reynolds.
Foster, Reginald T.
Foster, Reginald T., and Bennett.
France, Harold, and Haddock.
Gadsby, John, and Tompsett.
Glassman, Joseph.
Gregory, Charles H., and Hall.
Hay, Jean K., and Webster.
Hirsh, Benjamin W., and Carter.
Houghton, Albert A.
Jones, David G.
Keggin, James F.
Leben, Leslie.
Lee, Geoffrey P., and Macleod.
Lowe, Arthur J., and Caldwell.
Levy, Norman, and Greenhalgh.
McLean, Andrew, Tetlow, and Munro.
Mendoza, Mordecai.
Myles, James R., and Ray.
Pearson, John D., and Aschroft.
Radley, Jack A.
Ravenscroft, Arthur W.
Reid, Hugh G.
Reynolds, Reginald J. W., and Fordham.
Richards, Raymond B., Myles, and Whittaker.
Rubenstein, Leon.
Scaife, Charles W., and Baldock.
Sexton, William A., Slade, and Templeman.
Slinger, Frank H., and Tatum.
Stammers, Douglas W.
Stowell, Flaxney P.
Swallow, John C., Baird, and Ridge.
Taylor, Arthur W. C., Rose, and Anderson.
Taylor, James, and Holm.
Taylor, James, and Phillips.
Thomson, Robin H. K.
Thomson, Robin H. K., and Caldwell.
Thomson, Robin H. K., and Traill.
Thomson, Thomas, and Shufflebotham.
Trail, David, and Simpson.
White, Alan.
Whitworth, Edward, and Thomson.
Williams, Edmond G.
Zenftman, Henryk.
Imperial Typewriter Company Limited, The, assignee: *See*—
Brumhill, Claude W.
Improved Paper Machinery Corporation, assignee: *See*—
Knowles, Edward R.
Indehar, Anthony, St. Paul, Minn. Air jet pin wheel. 2,520,245, Aug. 29.
Independent Aluminum Corporation, assignee: *See*—
Loevenstein, Hirsch.
Independent Pneumatic Tool Company, assignee: *See*—
Fosnot, Louis P.
Jursinovic, John J.
Mitchell, Walter C.
Mitchell, Walter G.
Indermill, Rudolph R., assignee: *See*—
Shaw, Samuel R., Jr.
Indge, Herbert S., Westboro, assignor to Norton Company, Worcester, Mass. Lapping arm. 2,502,381, Mar. 28.
Indiana Farm Bureau Co-Operative Association, Inc., assignee: *See*—
Truax, Harry.
Indiana Steel Products Company, The: *See*—
Howell, Hugh A.

Indiana Steel Products Company, The, assignee: *See*—
Hopps, Lewis, and Smith.
Howell, Hugh A.
Maynard, Charles A.

Indiana University Foundation, assignee: *See*—
Campaigne, Ernest E., and Le Suer.

Induction Heating Corporation, assignee: *See*—
McMahon, Everett K., and Schutz.
Rossnick, Melvin.
Rusk, Rogers D.

Industriaktiebolaget Luxor, assignee: *See*—
Holmberg, Folke, and Kylemo.
Wennerbo, Erik.

Industrial Clutch Corporation, assignee: *See*—
Eason, Clarence M.

Industrial Electronics Corporation, assignee: *See*—
Jacobsen, Irwin S.

Industrial Ideas, Inc., assignee: *See*—
Galliano, John B.

Industrial Management Corporation, assignee: *See*—
Knauss, Edward.

Industrial Metal Protectives, Inc., assignee: *See*—
McDonald, Alexander.
Toulmin, Harry A., Jr.
Toulmin, Harry A., Jr., and Berman.

Industrial Nucleonic Devices, assignee: *See*—
Callahan, John T., and Lahmeyer.

Industrial Patent Corporation, assignee: *See*—
Wales, Nathaniel B.

Industrial Rayon Corporation, assignee: *See*—
Burkholder, Alden H.
D'Alelio, Gaetano F.
Finzel, Theron G., and D'Alelio.
Fryer, Louis S., Andersson, and Jokilehto.
Kline, Emil.
Melegan, William E., and Eidman.
Rinehart, Carl D., and Kocsuta.
Rodgers, Marcus D.

Industrial Research Laboratories, assignee: *See*—
Stoelting, Carl R., Stamberg, and Vilter.

Industrial Scientific Company, assignee: *See*—
Tandler, William S., and Walker.

Industrial Tape Corporation, assignee: *See*—
Morin, Louis H.
Slamon, Florence K., and Stanley.
Stanley, Alexander J.

Industrial Wire Cloth Products Company, assignee: *See*—
Kline, Leroy F.

Industrie-en Handelmaatschappij "De Vuurslag" C. V., assignee: *See*—
Neutelings, Theodoor R., and Willem.

Infants Socks, Inc., assignee: *See*—
Bausher, Jeremiah L., and Rickert.

Infilco Incorporated, assignee: *See*—
Adelson, Samuel L.
Embshoff, Arthur C.
Green, Walter H.
Hughes, Walter J.
Kongelbeck, Sverre.
Parker, Henry C.
Paulette, Robert G., and Green.

Infra Appliances Corporation, assignee: *See*—
Daugert, Peter C.

Infranca, Jack, St. Albans, and J. Cucchiara, Brooklyn, assignors to L. Gottfried, New York, N. Y. Combination table and seat. 2,516,773, July 25.

Ingalls, David B.: *See*—
Ingalls, Ralph W., and D. B.

Ingalls, Ross D.: *See*—
Turner, Edgar P., Happe and Ingalls.

Ingals, Ralph W., Madera, and D. B., Chowchilla, Calif. Saw setting tool. 2,525,411, Oct. 10.

Ingebretsen, Olaf M., Prospect Park, Pa. Tobacco pipe. 2,508,165, May 16.

Ingels, Clarence W., St. Albans, N. Y. Thermal alarm. 2,502,727, Apr. 4.

Ingels, Glenn R., Houston, Tex. Weld rod. 2,493,143, Jan. 3.

Ingels, Marion H., U. S. Navy. Variable porosity material for parachutes. 2,527,553, Oct. 31.

Ingemarson, Franc, Tulsa, Okla. Pipe aligning and spacing apparatus. 2,525,680, Oct. 10.

Ingenjorsfirman Lifa A/B, assignee: *See*—
Fahlander, Hjalmar.

Ingenjorsfirman Ljung & Lindqvist, assignee: *See*—
Tell, Sven A.

Inger, Victor E., Alameda, Calif. Spring drive. 2,521,978, Sept. 12.

Ingersol Limited, assignee: *See*—
Young, Leonard W., and Taylor.

Ingersoll, Otis A., Martinsburg, N. Y. Snowplow. 2,518,622, Aug. 15.

Ingersoll-Rand Company, assignee: *See*—
Anderson, James H.
Baker, Charles S.
Bierman, Hubert J.
Hill, Frank A.
Hornschuch, Hanns.
Le Valley, John.
Male, John F.
McClay, Gordon F.
McConaghy, James W.
Metzger, Chester W.
Naab, Julius.

Ingersoll-Rand Company, assignee: *See*—Continued.
Plummer, John F., Jr.
Reynolds, Harold C.
Slater, Fred M.
Stepanoff, Alexey J.

Ingersoll, Robert G., Hillsdale, Mich. Lighter. 2,514,066, July 4.

Ingham, Robert M., Jr., Clemson, assignor to Deering Milliken Research Trust, Pendleton, S. C. Yarn and fabric correlation. 2,520,936, Sept. 5.

Ingigneri, Joseph, assignee: *See*—
Mazzeo, Rocco.

Ingle, Edward, Boston, W. L. Doten, Newton, and R. H. Cope, Quincy, assignors to Sturtevant Mill Company, Dorchester, Mass. Machine for mixing or blending granular and similar materials. 2,521,633, Sept. 5.

Ingle, Henry W., Windsor, assignor to Hartford-Empire Company, Hartford, Conn. Gauge for glass containers or the like. 2,508,251, May 16.

Ingle, Henry W., Windsor, assignor to Hartford-Empire Company, Hartford, Conn. Gauge for threaded or other finish portions of jars and the like. 2,525,136, Oct. 10.

Inglis, John, Frozen Foods Co., assignee: *See*—
Kenworthy, James R., Jr.

Ingmanson, John H., New Haven, assignor to The Whitney Blake Company, Hamden, Conn. Minimizing adhesion between rubber insulation layers of electric conductors and the resultant article. 2,526,483, Oct. 17.

Ingraham, E., Company, The, assignee: *See*—
Burghoff, Louis R.
Fengler, Ferdinand.
Riemer, Walter F.

Ingraham, Harold O. C., New York, N. Y., assignor to Allied Chemical & Dye Corporation. Ore roasting. 2,522,576, Sept. 19.

Ingraham, Joseph S.: *See*—
Keil, Havard L., and Ingraham.

Ingraham, Robert P., San Antonio, Tex. Garment covering device. 2,522,788, Sept. 19.

Ingram, George, London, England. Inflatable form for dipped rubber articles. 2,518,326, Aug. 8.

Ingram, George L., Worthington, Ohio. Fishing float. 2,500,078, Mar. 7.

Ingram, Glen E., Sioux Rapids, Iowa. Tractor mounted side delivery rake. 2,494,946, Jan. 17.

Ingram, Herbert, Cirencester, England. Electric heater. 2,517,110, Aug. 1.

Ingram, Joseph R., Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Condensation product of formaldehyde, a phenol, and a ketone-amine condensate. 2,511,063, June 13.

Ingram, Joseph R., Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Preservation of rubbery polymers by derivatives of ketone amines. 2,511,064, June 13.

Ingram, Maxwell, assignor to Pilot Marine Corporation, New York, N. Y. Electrode assembly. 2,533,462, Dec. 12.

Ingram, Orville, Washington, D. C. Drop end gondola car. 2,497,221, Feb. v4.

Ingram, Orville, Washington, D. C. Railway car door mechanism. 2,505,290, Apr. 25.

Ingram, Orville, Washington, D. C. Spring device for drop end doors of gondola cars. 2,506,218, May 2.

Ingrassia, Angelo P.: *See*—
Evans, Raymond N., and Ingrassia.

Ingres, Jeannot G., Richmond, Va., assignor to Empire Electric Brake Company, Newark, N. J. Hydraulic brake mechanism. 2,504,691, Apr. 18.

Ingres, Jeannot G., assignor to Automatic Shifters, Inc., Richmond, Va. Leakage recovering device for hydraulic booster brake mechanism. 2,526,236, Oct. 17.

Ingres, Jeannot G., and D. T. Ayers, Jr., Richmond, Va., assignors to Empire Electric Brake Company, Newark, N. J. Door locking system. 2,505,401, Apr. 25.

Ingres, Jeannot G., and E. G. Hill, Richmond, Va.; said Ingres assignor to Kelsey Hayes Wheel Company, Detroit, Mich., and said Hill assignor to Automatic Shifters, Inc., Richmond, Va. Tractor-trailer brake system. 2,527,883, Oct. 31.

Ingwer, Max, assignor to Consolidated Sewing Machine & Supply Co., Inc., New York, N. Y. Sewing-machine repair vise. 2,497,943, Feb. 21.

Ingwer, Max, assignor to Consolidated Sewing Machine & Supply Co., Inc., New York, N. Y. Presser foot adapter. 2,505,402, Apr. 25.

Ingwer, Max, assignor to Consolidated Sewing Machine & Supply Co., Inc., New York, N. Y. Thread clip scissors. 2,512,862, June 27.

Ingwer, Max, assignor to Consolidated Sewing Machine & Supply Co., Inc., New York, N. Y. Adjustable sewing machine light. 2,530,123, Nov. 14.

Ingwersen, Richard C., assignor to Mechanical Products, Inc., Jackson, Mich. Bimetallic overload circuit breaker. 2,513,564, July 4.

Ingwersen, Richard C., assignor to Mechanical Products, Inc., Jackson, Mich. Circuit breaker. 2,514,545, July 11.

Inland Container Corporation, assignee: *See*—
Thursby, Arthur H.

Inland Manufacturing Company, assignee: *See*—
Webb, Earl G.

Inland Steel Company, assignee: *See*—
Bradley, Howard W.
Castle, Alfred J.
De Marchi, Vincent S.
Martin, Edwin D.
Saunders, David W.
Thompson, Roy J.
Inman, Clark H., Lakewood, N. J. Poultry feeding apparatus. 2,522,449, Sept. 12.
Inman, De Forest C., Clarkston, Mich. Sliding vane pump. 2,493,197, Jan. 3.
Inman, Donald G.: *See*—
Rust, William F., and Inman.
Inman, Hollis C., Miami Beach, Fla. Electric fluid heater. 2,513,242, June 27.
Inman, William H., assignor to Bloomer Bros. Company, Newark, N. Y. Carton folding machine. 2,518,014, Aug. 8.
Innacelli, Frank L., Red Bank, N. J. Paper file fastener. 2,529,497, Nov. 14.
Innacelli, Frank L., Red Bank, N. J. Paper file fastener. 2,532,313, Dec. 5.
Innes, James G.: *See*—
Treloar, Stanford L., and Innes.
Innis, Speiden & Co., assignee: *See*—
Bickerton, Jack M., and Malvese.
Inserra, Anthony, Jamestown, N. Y. Paper trimming and pasting device. 2,507,162, May 9.
In Situ Gases Incorporated, assignee: *See*—
Greene, Frank C.
Inskeep, Oliver W., Stockton, assignor to Higginbotham & Son, Lodi, Calif. Baled hay separator. 2,518,237, Aug. 8.
Institut D'Optique Theorique et Appliquee, assignee: *See*—
Arnulf, Albert.
Institute of Gas Technology, assignee: *See*—
Knoy, Marion F., and Johnson.
Mdkler, Lev A.
Singh, Alamjit D.
Yellott, John I.
Yellott, John I., and Savory.
Institute of Industrial Research, assignee: *See*—
Brown, Robinson, and Metcalf
Ernst, Walter, and Boyd.
Slick, Thomas.
Institute of Inventive Research, assignee: *See*—
Slick, Polly N.
Institute of Paper Chemistry, The, assignee: *See*—
Knight, George D., and Rowland.
Sears, George R., Rae, and Van den Akker.
Van den Akker, Johannes A.
Institutum Divi Thomae Foundation, assignee: *See*—
Baker, Stanley L., and Butzine.
Kowalewski, Joseph F., and Sperti.
Interchemical Corporation, assignee: *See*—
Cassel, Norman S., and Clifford.
Chenicek, Albert G.
Euverard, Maynard R.
Green, Henry.
Kass, Peter, and Nichols.
Lee, Ernest D., and Schefbauer.
Lee, Ernest D., and Schefbauer, Jr.
Lee, Samuel.
Lieberman, Emanuel R.
Neuberg, Carl, and Mandl.
Nichols, Joseph.
Rowland, Charles S.
Saunders, Albert.
Weltmann, Ruth N.
Wicks, Zeno W., Jr.
Intercity Airline Company, assignee: *See*—
Sznycer, Bernard.
Interior, United States of America as represented by the Secretary of the, assignee: *See*—
Clemmer, Julius B., and Clemmons.
Cohn, Ernst M., and Hofer.
Daum, Claude R., and Cleaver.
Evans, Robert L.
Gee, Edwin A., and Bossche.
Newman, Louis L., and Donovan.
Orchin, Milton, and Reggel.
Poole, Henry G., Ravitz, and Dean.
Ravitz, Sol F., and Back.
Roller, Paul S.
Shelton, Francis K.
Sweet, Andrew T.
International Basic Technique Research Institute, Inc., assignee: *See*—
Nighswander, Sterling H.
International Business Machines Corporation, assignee: *See*—
Ayres, Waldemar A.
Beattie, Horace S.
Beattie, Horace S., and Page.
Beattie, Horace S., Hamilton, and Daly.
Bergfors, Carl A.
Bosket, Chester I.
Brand, Samuel, Cunningham, and Bishop.
Buhler, Eugen.
Bryce, James W., and Wheeler.
Carroll, Fred M.
Carroll, Fred M., and Bakelaar.
Carroll, Fred M., and Hibbard.
International Business Machines Corporation, assignee: *See*—Continued.
Carroll, Fred M., and Mitchell.
Carroll, Fred M., and Smith.
Carroll, Fred M., Bakelaar, and Pond.
Cheney, Raymond E., Wagner, and Lawhead.
Clark, Edward J.
Corson, Bayard R.
Crumrine, Chester W.
Cunningham, James M.
Daly, George F.
Dayger, Jonas E., and Shafer.
Dean, Kenneth W., Beattie, and Page.
Dicke, Oscar H., and R. H.
Dickinson, Arthur H.
Dickinson, Arthur H., and Ambrosio.
Dodge, Ronald D.
Dodge, Ronald D., and Petz.
Durfee, Benjamin M.
Fitch, Clyde J.
Fitch, Clyde J., and Eichorn.
Ford, Eugene A.
Geiger, Edward F., and Johnson.
Ghertman, Ioino.
Gilman, Ray E.
Hallden, Fred C.
Harper, Leonard R.
Holmwood, Richard H.
Holmwood, Richard H., and Anderson.
Holmwood, Richard H., and Hauck.
Holt, Albert C.
Houston, Robert L., and Smith.
Jackson, Carlton T.
Johnson, Curt I., and Stauss.
Johnson, Reynold B.
Johnson, Reynold B., and Geiger.
Keedy, Edward J.
Keen, Harold H.
Kouzmine, Eugène.
Last, James.
Leathers, Ward, and Bruehl.
Leathers, Ward, and Di Monico.
Luhn, Hans P.
Malmros, Gustav V. A.
Mills, Albert W., Furman, and Habenda.
Mills, Albert M., and Herman.
Oswold, Oluf G.
Palmer, Ralph L.
Petz, John L.
Petz, John L., and Balliett.
Pfaff, Wesley, Lake, and Fiehl.
Phelps, Byron E.
Rabenda, Edward J., Page, and Beattie.
Rast, Frederick Q.
Rast, Frederick Q., and Benson.
Reppert, Richard V.
Robineau, Marcel.
Roth, Robert I., Dickinson, and Wheeler.
Rubidge, David W., and Shafer.
Sens-Olive, Marcel.
Shafer, Orville B., and Sullivan.
Sochaczewski, Edward J.
Wilkerson, Victor O., and Mazzola.
Wood, Marion L.
Interchemical Corporation, assignee: *See*—
Bernardi, Dominic J., and Dostal.
Cassel, Norman S., and Clifford.
Gessler, Albert E., and Kumins.
Giambalvo, Vito A.
Koberlein, Louis F.
Linkletter, Olive-Sue, and Johnson.
Nichols, Joseph and R.
International Cellucotton Products Company, assignee: *See*—
Gantner, Edward G., and James.
Goebel, Herman L.
Klock, George E.
Minarik, Rudolf G.
International Derrick & Equipment Co.: *See*—
Athy, Clifford R.
International Derrick and Equipment Company, assignee: *See*—
Athy, Clifford R., and Konkle and Munro.
Bennett, John D.
Bury, Charles.
International Detrola Corporation, assignee: *See*—
Cook, Leon D., Jr.
International Electrolytic Plant Company Limited, assignee: *See*—
Bowen, Charles E.
International Electronics Company, The, assignee: *See*—
Pond, Chester C.
International Electronics Corporation, assignee: *See*—
Buntzman, David H.
International Engineering Associates, assignee: *See*—
Rutherford, Herbert E.
International Engineering, Inc., assignee: *See*—
McElroy, Roy H.
International Handkerchief Mfg. Co., The, assignee: *See*—
Anderson, Gustave A.
International Business Machines Corporation, assignee: *See*—
Blakely, Robert T.

International Harvester Company, assignee: *See*—
Aabel, Donald W.
Acton, Russel D.
Avila, Frank.
Baker, David B., Beckmand, and Henning.
Barknecht, Fred M.
Barkstrom, Reynold.
Borgerd, William F.
Borgerd, William F., Palmer, and Hinkel.
Brink, Theodore R.
Brown, Bernard E.
Buck, Foster, Barbknecht, and Bowers.
Carlson, Charles L., and Bond.
Clark, Anna R.
Coleman, Richard N.
Collier, Robert H.
Court, Leslie W.
Daily, Sherwood.
Downing, Rexford D.
Downing, Rexford D., and Adams.
Elenwicz, Adolph.
Foley, Harold F., and Johnson.
Gerber, Edward R.
Hagen, Clarence R.
Hagen, Clarence R., and Nickla.
Hall, John R.
Hardy, Lloyd A., Keller, and Aasland.
Harstick, William H.
Henning, William W.
Hilblom, Samuel E.
Hitchcock, Rex B.
Hubert, Clarence A.
Huddle, Edwin F.
Hudson, Floyd G.
Hyman, Benjamin M.
Johnson, Arnold E. W., Baker, and Crumb.
Johnson, Frederick O.
Kallgren, Carl A.
Kane, Paul, and Sisulak.
Karlsson, Elof K.
Karlsson, Elof K., and Keller.
Kaupke, Lee H., and Raney.
Koeber, Theodore H.
Lee, Fred A.
Lee, Fred A., and Shappell.
Lyle, James E.
McKahin, John D.
Millard, Lee P., and Mitchell.
Morgan, John E.
Morkoski, James.
Mott, Carl W.
Orelind, John R.
Orendorff, John W.
Palmer, John S.
Pearson, Gilbert W.
Petersen, Hans P.
Pool, Stuart D., and Pearson.
Prosek, John R.
Radtke, Adelbert C.
Raney, Russell R.
Raney, Russell R., and Bornzin.
Raney, Russel R., and Faust.
Sisulak, Michael S.
Totman, Clifford E.
Voigt, August C.
Waterman, Howard L.
Wisner, Joseph F.

International Latex Corporation, assignee: *See*—
Andrews, Fred W.
Miller, Wilbur A.
Owen, Harold A.
Spanel, Abraham N., Andrews, and Owen.

International Minerals and Chemical Corporation, assignee: *See*—
Allen, Otis W.
Cudd, Herschel H., and Freeman.
Dearborn, Robert J., and Stekol.
Elam, Mary P.
Hoglan, Forest A.
Hoglan, Forest A., and Blish.
Manning, Paul D. V.
Shafor, Ralph W.
Shafor, Ralph W., and Catterson.

International Molded Plastics, Inc., assignee: *See*—
Alexander, Ben, and Leloraine.
Bray, Frederick H., and Brown.
Clavier, Andre G., and Denis.
Cleaver, Richard F.
Cragg, William D.
Deakin, Gerald.
Frankel, Sidney.
Frum, Alexander.
Gilliver, Gilbert.
Griffin, Laurence J.
Katchatouroff, Leon, and Lalande.
Richards, Edward A.
Strong, Charles E., and Heaton-Armstrong.
Towner, Stanley H., and Childs.
Williams, Herbert P.
Willoughby, Eric O.
Worsley, Ivor R.

International Morfat Corporation, assignee: *See*—
Bröchner, Henry S.

International Mutoscope Corporation, assignee: *See*—
Dart, Rodger W.
Lissiansky, Alexander.
Rabkin, William, Lissiansky, and Sebestyen.
Schmidling, Gilbert T.

International Nickel Company, Inc., The, assignee: *See*—
Bieber, Clarence G., and Buck.
Kihlgren, Theodore E.
Millis, Keith D.
Millis, Keith D., Gagnebin, and Pilling.
Pease, George R.
Raper, Alan R., and Fothergill.
Roehl, Edward J.
Rogge, Robert H., and Roehl.
Rose, Ernest H., and Prince.
Sands, John W.
Sefing, Frederick G.
Sproule, William K., Young, and Snitch.
Wesley, Andrew.

International Paper Box Machine Company, The, assignee: *See*—
Chapman, Fred H.

International Paper Company, assignee: *See*—
Port, Richard A.

International Postal Supply Company, The, assignee: *See*—
Persson, Ernest.

International Powermatic Corporation, assignee: *See*—
Heyer, Don.

International Projector Corporation, assignee: *See*—
Borberg, Willy.

International Register Company, assignee: *See*—
Gallagher, William P.

International Salt Company, Inc., assignee: *See*—
Hengerer, David W.
Kaufmann, Dale W.

International Standard Electric Corporation, assignee: *See*—
Arditi, Maurice.
Arditi, Maurice, and De Santis.
Asker, Gosta F.
Back, Raymond R.
Baily, Robert S.
Bates, Ernest F.
Billings, William A.
Borel, Pierre C., and Mauge.
Bray, Frederick H., and Brown.
Bray, Frederick H., Bates, and Doughty.
Bracke, Oscar J. J., and Lens.
Casabona, Anthony M.
Chatterjea, Prafulla K., and Houghton.
Clavier, Andre G.
Cleaver, Richard F.
Cole, Reginald A. L.
Cook, Arthur, and Bickley.
Cooper, Cedric L., and Ellison.
Cronvall, Lars P., and Winkler.
Deakin, Gerald.
De Faymoreau, Etienne, and de Gouvenain.
Devaux, Lucien.
Dunn, Roland H., and Lennox.
Dunn, Roland H., and Pearce.
Earp, Charles W.
Earp, Charles W., and Godfrey.
Earp, Charles W., and Strong.
Felsenheld, Robert A.
Fromageot, Antoine.
Gallay, Harris.
Gayford, Michael L.
Gent, Alfred W., and Wallis.
Gilliver, Gilbert.
Girard, Jean M.
Gloess, Paul F. M.
Gohorel, Fernand P.
Goodchild, Frank D.
Goudet, Georges, and Musson-Genon.
Grieg, Donald D.
Haigh, Leslie B.
Handley, John
Hardy, René.
Hardy, Rene J.
Hargreaves, Thomas F. S.
Hill, Stuart S.
Holland, John D., and Robinson.
Hope, Ronald S.
Hough, George H., White, and Rivers.
Houghton, Leslie W., and Ambrose.
Joly, Léon, and Andrés.
Kandolan, Armig G.
Kelly, Richard.
Labin, Emile.
Laycock, William E.
Lee, Edwin C.
Lehmann, Gerard J.
Le Queau, Roger L. M.
Levy, Maurice M.
Levy, Maurice M., and Rattue.
Liekens, Albert F.
McLarn, Ernest S.
McWhirter, Eric M. S., Dunn, and Lennox.
Montgomery, William A.
Muller, Jean J.
Ostlund, Evert M., Silver, and Vallarino.
Parker, Louis W.

International Standard Electric Corporation, assignee: *See*—Continued.
Pickles, Sidney B.
Platon, Edmond D. V.
Pocock, Lyndall C.
Reeves, Alec H.
Richards, Edward A.
Richards, Edward A., and Ellison.
Richards, Edward A., and Pease.
Ridler, Desmond S.
Roberts, William L.
Rogers, Douglas C.
Searle, Arthur M.
Secker, Ben.
Smyth, Charles N.
Smyth, Charles N., and Wade.
Starr, Arthur T.
Terry, Victor J.
Terry, Victor J., and Foulkes.
Theillaumas, Clement M.
Thompson, Alfred E., and Salmon.
Tomlin, Stanley G.
Touraton, Emile, Zwobada, and Gratzmuller.
Towner, Stanley H.
Ullrich, Edward H.
Van Mierlo, Stanislas.
Wallace, Fred C., and Rogoff.
Weston, Jeffrey D.
Williams, Herbert P.
Willoughby, Eric O.
Wintle, Malcolm F.

International Vending Machine Corporation, assignee: *See*—
Leschin, Samuel.

Inter-Seal Corporation, assignee: *See*—
Greene, Edgeworth.

Interstate Folding Box Company, The, assignee: *See*—
Back, Leonard.
Wilson, John W.

Intertype Corporation, assignee: *See*—
Stadelmann, Fritz.

Interval Instruments, Inc., assignee: *See*—
Ohman, Nils, and Veritch.
Rieber, Frank.

Interwoven Stocking Company, assignee: *See*—
Thurston, Paul L.

Inventors Guild, The, assignee: *See*—
Berger, Carl W.

Invex, Inc., assignee: *See*—
Craig, Palmer H.

Invincible Metal Furniture Company, assignee: *See*—
Reimer, John F.

Invisibelt Corporation, assignee: *See*—
Brunson, Robert M.

Iowa Manufacturing Company, assignee: *See*—
Pollitz, Harold C.

Iowa State College Research Foundation, assignee: *See*—
Sweeney, Orland R., and Arnold.
Sweeney, Orland R., Arnold, and Hollowell.

Ipatieff, Vladimir N.: *See*—
Pines, Herman, and Ipatieff.

Ipatieff, Vladimir N., and H. Pines, assignors to Universal Oil Products Company, Chicago, Ill. Manufacture of alkyl cyclopentane hydrocarbons. 2,502,569, Apr. 4.

Ipatieff, Vladimir N., and H. Pines, assignors to Universal Oil Products Company, Chicago, Ill. Production of cycloalkylperhydroindan hydrocarbons. 2,514,546, July 11.

Ipatieff, Vladimir N., and H. Pines, assignors to Universal Oil Products Company, Chicago, Ill. Production of arylindans. 2,519,576, Aug. 22.

Ipatieff, Vladimir N., and H. Pines, assignors to Universal Oil Products Company, Chicago, Ill. Production of aryl indan hydrocarbons. 2,519,577, Aug. 22.

Ipatieff, Vladimir N., and H. Pines, assignors to Universal Oil Products Company, Chicago, Ill. Production of diaryl alkanes. 2,526,896, Oct. 24.

Ipatieff, Vladimir N., and H. Pines, assignors to Universal Oil Products Company, Chicago, Ill. Production of aryl indans. 2,526,897, Oct. 24.

Ipsen, Carl L., Schenectady, and N. B. Jones, Ballston Lake, N. Y., assignors to General Electric Company. Cooling apparatus. 2,534,973, Dec. 19.

Irany, Ernest P.: *See*—
Noether, Herman D., and Irany.

Irany, Ernest P., Cranford, and A. J. Geraci, Newark, N. J., assignors to Celanese Corporation of America. Precipitation of emulsions of styrene and copolymers thereof. 2,503,338, Apr. 11.

Irany, Ernest P., Cranford, N. J., and H. D. Noether, Kew Gardens, N. Y., assignors to Celanese Corporation of America. Precipitation of olefin-sulfur dioxide resins. 2,505,830, May 2.

Irany, Ernest P., Cranford, N. J. Preparation of triallyl borates. 2,523,433, Sept. 26.

Irby, James W., Dayton, Ohio. Autoballistic antenna. 2,497,084, Feb. 14.

Irby, James W., Dayton, Ohio. Apparatus for demonstrating the existence of magnetic lines of force. 2,524,804, Oct. 10.

Iredale, Henry D., assignor to Geneva Processes, Inc., Geneva, N. Y. Processing mill. 2,498,209, Feb. 21.

Iredell, Robert, Jr., Wabash, Ind., assignor to The General Tire & Rubber Company, Akron, Ohio. Shock absorbing device. 2,502,322, Mar. 28.

Ireland, Murray, assignee: *See*—
Hendrickson, Fritz E.

Irick, Haden R., Phoenix, Ariz. Adjustable ellipse compass. 2,494,557, Jan. 17.

Irion, John H., Shreveport, La. Lawn edging device. 2,520,408, Aug. 29.

Irmiter, Henry F.: *See*—
Tostenrud, Ralph L., and Irmiter.

Iron Fireman Manufacturing Company, assignee: *See*—
Carter, Haskell C.
Schweickart, William M.
Schweickart, William M., and Julyan.
Webb, Ernest C.
Wright, Richard C.

Irons, Carroll R., assignor to The Dow Chemical Company, Midland, Mich. Dimensionally stabilizing oriented vinylidene chloride polymer articles. 2,517,570, Aug. 8.

Irons, John H., Middlebury, Conn. Bottle counter. 2,499,143, Feb. 28.

Irrer, Norman R., St. Johns, Mich. Log grapple. 2,520,722, Aug. 29.

Irrgang, Ludwig, Jersey City, N. J., assignor to Remington Rand, Inc., New York, N. Y. Dry shaver motor. 2,509,868, May 30.

Irrigation Equipment Co., assignee: *See*—
Montgomery, James A.

Irvan, Karl W., assignor to Orchard Industries, Inc., Detroit, Mich. Fishing rod handle. 2,534,027, Dec. 12.

Irvine, Edwin K., Tampa, Fla. Battery master switch. 2,523,215, Sept. 19.

Irvine, Merle, Los Angeles, Calif. Balanced regulator for irrigation. 2,506,022, May 2.

Irvine, Warren L., and B. R. Daves, Claremont, Calif. Blower for frost prevention. 2,529,339, Nov. 7.

Irving Air Chute Co., Inc., assignee: *See*—
Hatfield, John E.
Kajdan, Chester C.

Irving, Clare, assignor of one-half to M. Franklin, Los Angeles, Calif. Collapsible baby bed and case. 2,514,644, July 11.

Irving, Francis: *See*—
Coffey, Samuel, Driver, Fairweather, and Irving.

Irving, Frank J., Reno, Nev. Coupling. 2,514,394, July 11.

Irwin, Arthur S., Clarence, assignor to Bell Aircraft Corporation, Wheatfield, N. Y. Rotary dampener. 2,502,523, Apr. 4.

Irwin, Carl F.: *See*—
Compton, John D., Justice, and Irwin.

Irwin Foundry and Mine Car Company, assignee: *See*—
Laukus, Paul Sr

Irwin, Harold, Tikokino, Waipawa, Hawkes Bay, New Zealand. Bookcase and like shelving. 2,502,261, Mar. 28.

Irwin, Rufus W., Brownsville, Tex. Speed-changing geared transmission for bicycles and other wheeled vehicles. 2,494,558, Jan. 17.

Irwin, Sue U. Los Angeles, Calif. Roasting rack. 2,513,177, June 27.

Isaac, George A.: *See*—
Scanlon, Frank B., and Isaac.

Isaac, Miriam, and R. M. Rauner, New York, N. Y. Snap fastener device. 2,497,305, Feb. 14.

Isaac, Peter, Toronto, Ontario, Canada. Automatic cigarette case. 2,512,207, June 20.

Isaacs, Bertha, New York, N. Y. Brassière. 2,514,869, July 11.

Isaacson, Herbert M., Buffalo, N. Y. Resistor support. 2,502,044, Mar. 28.

Isaacson Iron Works, assignee: *See*—
Allin, George S.

Isaacson, John A., assignee: *See*—
Holmstrom, Henry W.

Isaacson, Max A., Dayton, Ohio. Commutator and making same. 2,516,880, Aug. 1.

Isabelle, Henry J., Sr., assignor of one-half to J. Asher, Fitchburg, Mass. Stand for spools. 2,497,359, Feb. 14.

Isacco, Vittorio, London, England. Rotating wing parachute. 2,506,873, May 9.

Isacco, Vittorio, London, England. Sustaining propeller for flying machines and parachutes. 2,523,216, Sept. 19.

Isacoff, Morris, Newark, N. J. Skylight guard. 2,515,451, July 18.

Isakson, Stig, assignor of one-half to G. W. Schumacher, Portland, Oreg. Hanging device for wooden beams. 2,500,636, Mar. 14.

Isbell, Horace S., and H. L. Frush, Washington D. C., assigned to the United States of America as represented by the Secretary of Commerce. Making crystalline 1-amino-mannuronic amide. 2,504,983, Apr. 25.

Isbell, Horace S., and H. L. Frush, Washington, D. C., assignor to the United States of America as represented by the Secretary of Commerce. Obtaining amides of polyhydroxy acids containing a sugar group. 2,504,984, Apr. 25.

Isbell, John A.: *See*—
Ricards, Charles L., and Isbell.

Isbell, Vernon, Fort Worth, Tex. Hair comb. 2,535,797, Dec. 26.

Isbell, William T.: *See*—
Weaton, George F., and Isbell.

Isbister, Eric J., Garden City, N. Y., and F. L. Moseley, Cedar Rapids, Iowa, assignors to The Sperry Corporation. Self-synchronous positional control system. Re. 23,290, Oct. 31.

Isele, Louis E., Oakville, assignor to The Eyelet Specialty Company, Waterbury, Conn. Cosmetic container. 2,502,651, Apr. 4.

Isele, Louis E., Oakville, assignor to The Eyelet Specialty Company, Waterbury, Conn. Lipstick container. 2,502,652, Apr. 4.

Iselin, Ernst: *See*—
Wehrli, Walter and Iselin.

Iselin, John F., Indianapolis, Ind. Tool for perforating glass tile. 2,495,971, Jan. 31.

Isely, Frank C., Washington, D. C. Tunable radio frequency circuits. 2,520,147, Aug. 29.

Iseman, Richard B., Du Bois, Pa. Tilling implement with concentric helical cutters. 2,514,395, July 11.

Isenbarger, Robert O., assignor to Chicago Rawhide Manufacturing Company, Chicago, Ill. Packing. 2,509,436, May 30.

Isenberg, Alexander H., assignee: *See*—
Williamson, Thomas F. M.

Isenhour, Burthel B., San Antonio, Tex. Film viewing device. 2,521,725, Sept. 12.

Isenhour, John H.: *See*—
Miller, Boyd C., and Isenhour.

Isett, George R., Hinsdale, Ill. Plate feeding mechanism for embossing machines. 2,528,435, Oct. 31.

Isherwood, Eldon I.: *See*—
Griffith, Dinsmore L., and Isherwood.

Isherwood, Sir Joseph W., & Co., Ltd., assignee: *See*—
Stewart, John W.

Ishler, Harry K., Floral Park, N. Y., assignor to Sylvania Electric Products, Inc. Filament tensioning method and electrical device having improved filament tensioner. 2,506,874, May 9.

Isler, Hans, Bottmingen, Switzerland, assignor to Ciba Pharmaceutical Products, Inc. Preparation of imidazolines. 2,505,247, Apr. 25.

Isler, Hans, Bottmingen, H. Schellenberg, and E. Urech, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Inc. Preparation of imidazolines. 2,505,248, Apr. 25.

Isler, Otto, Basel, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J. Manufacture of pentaenes. 2,529,498, Nov. 14.

Isler, William, assignee: *See*—
Verbsky, Thomas J.
Walters, Ralph D.

Iskoe, Howard, Philadelphia, Pa. Toothbrush with creasable handle. 2,527,931, Oct. 31.

Isnard, Georges, assignor to Societe dite: Societe Anonyme des Etablissements Isnard Freres, Toulon, France. Arrangement for rapidly mounting driving or driven parts on their shafts. 2,515,303, July 18.

Isom, Elbert C., Garden City, N. Y. Computer. 2,506,299, May 2.

Isom, Langley W., Belmont, assignor to Dewey and Almy Chemical Company, Cambridge, Mass. Constant-level balloon. 2,524,567, Oct. 3.

Isom, Warren R., West Collingswood, N. J., assignor to Radio Corporation of America. Mechanical speed changer. 2,504,529, Apr. 18.

Ison, Harry E., Dorchester, New Brunswick, Canada. Pipe coupling. 2,509,925, May 30.

Israel, Irving, Brooklyn, N. Y. Pinless permanent folded diaper. 2,511,406, June 13.

Israel, Samuel, Minneapolis, Minn., assignor to D. Weisman, Detroit, Mich. Shoe. 2,501,522, Mar. 21.

Israel, Saul, Medford, Mass. Corrective orthopedic apparatus. 2,514,870, July 11.

Israelson, Albert, Hartington, Nebr. Article securing means. 2,494,130, Jan. 10.

Issaly, Raoul M. L., La Tronche, Isere, France, vested in the Attorney General of the United States. Wooden sole for shoes. 2,508,392, May 23.

Isserstedt, Siegfried G., assignor to Corex Limited, Toronto, Ontario, Canada. Logarithmic calculator. 2,527,734, Oct. 31.

Isthmian Metals, Inc., assignee: *See*—
Rice, Richard E.

Ithaca, George, Jr., Borger, Tex. Door check. 2,499,866, Mar. 7.

Itsa Manufacturing Co., assignee: *See*—
Fry, Anna W.

Itsa Mfg. Co., assignee: *See*—
Fry, Ben L.

Ittel, Henry A., Howard Lake, Minn. Animal carcass dehairing machine. 2,517,880.

Ittner, Martin H., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Soap manufacture. 2,501,467, Mar. 21.

Ivall, Thomas E., Slough, assignor to Standard Telephones and Cables Limited, and Marconi's Wireless Telegraph Company Limited, London, England. Electrical circuits for the generation of pulses or oscillations. 2,521,726, Sept. 12.

Ivanovic, Nicholas, Philadelphia, Pa. Vibration insulator. 2,510,979, June 13.

Ivers-Lee Company, assignee: *See*—
Salfisberg, Leroy L.

Iversen, Norman H., Birmingham, assignor to The Production Broaching Corporation, Detroit, Mich. Broach bar assembly. 2,516,518, July 25.

Iverson, Arden L.: *See*—
Kohl, William R., and Iverson.

Iverson, Frank A.: *See*—
Morris, Raymond A., and Iverson.

Iverson, Robert L.: *See*—
Royer, Leslie W., and Iverson.

Ives, Burton H., De Kalb, Ill. Tail gate lift for trucks. 2,527,818, Oct. 31.

Ives, Charles E., assignor to Eastman Kodak Company, Rochester, N. Y. Two-bath direct positive photographic process. 2,533,463, Dec. 12.

Ives, Charles Q., Reading, Mass. Testing insulating walls. 2,501,676, Mar. 28.

Ives, Charles Q., Reading, Mass. Flexible corrugated sheet material, method and apparatus. 2,503,874, Apr. 11.

Ives, Charles Q., Reading, Mass. Packaging material. 2,518,550, Aug. 15.

Ives, Clifford B., Tenafly, N. J., assignor to Alco Valve Company, University City, Mo. Valve device. 2,500,357, Mar. 14.

Ives, Clifford B., Tenafly, assignor to Kieley & Mueller, Inc., North Bergen, N. J. Controller. 2,529,254, Nov. 7.

Ives, Clifford E., Wilmette, assignor to Sears, Roebuck and Co., Chicago, Ill. Cherry pitter. 2,535,928, Dec. 26.

Ives, Eben C.: *See*—
Cimbura, Joseph W., and Ives.

Ives, Russell H.: *See*—
McLean, Eric K., and Ives.

Ivett, Reginald W., assignor to Hercules Powder Company, Wilmington, Del. Protein preservative. 2,497,610, Feb. 14.

Ivett, Reginald W., and W. Koch, assignors to Hercules Powder Company, Wilmington, Del. Plastic composition. 2,535,290, Dec. 26.

Ivey, Louis T., Green Cove Springs, Fla. Chair. 2,503,049, Apr. 4.

Ivey, Willard H., Long Beach, Calif. Carrier for desert water bags. 2,521,221, Sept. 5.

Ivins, Barbara: *See*—
Peltz, Gordon M., and Ivins.

Ivory, Chester S., Bala-Cynwyd, assignor to The Estate of J. W. Ivory, Philadelphia, Pa. Amalgam carrier and applicator. 2,503,156, Apr. 4.

Ivory, J. W., Estate of, The, assignee: *See*—
Ivory, Chester S.

Ivy, Joe G., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Rotary electric machine. 2,498,274, Feb. 21.

Iwashita, George K., Indianapolis, Ind., assignor, by mesne assignments, to Admiral Corporation, Chicago, Ill. Two temperature refrigerator. 2,511,851, June 20.

Iwashita, George K., Evansville, Ind., assignor to Seeger Refrigerator Company, St. Paul, Minn. Refrigerator cabinet breaker strip construction. 2,527,932, Oct. 31.

Iwata, James M., Northridge, Calif. Stacked jar container with self-locking top and bottom. 2,496,093, Jan. 31.

Izard, Emmette F., Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of polyethylene terephthalate. 2,534,028, Dec. 12.

Izenour, George C., Sea Cliff, N. Y., assignor to the United States of America as represented by the Secretary of the Navy. Stabilized line tuned oscillator. 2,531,683, Nov. 28.

J. & H. Label Processing Corp., assignee: *See*—
Hubelmeyer, Edward J.

J. P. Engineering Company Limited, The, assignee: *See*—
Booton, Charles F.

Jablon, Bernard S., New York, N. Y. Vacuum cleaner attachment. 2,531,627, Nov. 28.

Jablon, Theodore M., New York, N. Y. Mounting for transparency slides. 2,496,008, Jan. 31.

Jablon, Theodore M., New York, N. Y. Adapter for slides in a still projector. 2,515,602, July 18.

Jablon, Theodore M., New York, N. Y. Key ring. 2,522,516, Sept. 19.

Jablonowski, John C.: *See*—
Deakin, Gerald, and Jablonowski.

Jaccard, René P., assignor to A. J. Devaud, Geneva, Switzerland. Escapement device. 2,531,273, Nov. 21.

Jaccarino, Richard, Westchester County, N. Y. Clasp for wrist watch bands. 2,518,551, Aug. 15.

Jachowski, Leo A., Jr.: *See*—
Pijoan, Michel, and Jachowski.

Jack, Arthur C., Pittsburgh, Pa. Resilient railway spike. 2,524,805, Oct. 10.

Jack, Arthur C., Pittsburgh, Pa. Resilient railway spike. 2,524,806, Oct. 10.

Jack, Delbert E., assignor to The Duriron Company, Inc., New York, N. Y. Pipe joint. 2,501,943, Mar. 28.

Jack, Delbert E., New York, N. Y., assignor to The Duriron Company, Inc., Dayton, Ohio. Shaft seal and effecting the seal. 2,505,968, May 2.

Jack, Delbert E., J. M. Williamson and R. C. Schenck, assignors to The Duriron Company, Inc., Dayton, Ohio. Pump impeller. 2,519,473, Aug. 22.

Jack, Edward M., Litchfield, assignor to Union Hardware Company, Torrington, Conn. Roller skate. 2,502,151, Mar. 28.

Jack, Edward M., Litchfield, assignor to Union Hardware Company, Torrington, Conn. Ice skate. 2,520,548, Aug. 29.
Jack & Heintz Precision Industries, Inc.: *See*—
Bousky, Samuel.
Breit, Robert J.
Cahill, Lysle D.
Cheraso, Charles R., and Frampton.
Frazier, John W., and Koch.
Heintz, Ralph M.
Heintz, Ralph W.
Neff, Joseph J.
Sears, Richard E.
Jack, James: *See*—
Caldwell, Walter A., and Jack.
Jacke, Raymond E.: *See*—
Hammond, Gordon, and Jacke.
Jacke, William L., San Jose, Calif. Automatic electric time-controlled mechanism. 2,505,119, Apr. 25.
Jackel, Arthur P., and F. H. Nicholson, Penn Township, Allegheny County, assignors to The Union Switch & Signal Company, Swissvale, Pa. Apparatus for automatically checking the operation of pulse-echo radio detection systems. 2,520,840, Aug. 29.
Jackoboice, Edward W., Grand Rapids, Mich. Pump mounting and drive. 2,508,756, May 23.
Jackson, Adelbert J., Kalamazoo, Mich. Practice golf game apparatus. 2,519,047, Aug. 15.
Jackson, Aldrich L., assignor to Hobart-Federal Engineering Corporation, Minneapolis, Minn. Meat tenderizer. 2,513,025, June 27.
Jackson, Alexander F., East Orange, N. J. Ice cube breaker. 2,500,828, Mar. 14.
Jackson, Alfred F., assignor to Automatic Devices Corporation, Bridgeport, Conn. Cigar lighter. 2,505,326, Apr. 25.
Jackson, Alfred F., assignor to Automatic Devices Corporation, Bridgeport, Conn. Cigar lighter. 2,505,327, Apr. 25.
Jackson, Alfred F., assignor to Automatic Devices Corporation, Bridgeport, Conn. Cigar lighter. 2,505,328, Apr. 25.
Jackson, Arthur P., Herkimer, N. Y. Ship-retarding system or device. 2,511,065, June 13.
Jackson, Byron, Co., assignee: *See*—
Ballagh, James C.
Hambly, Allen E.
Hertel, Richard K., and Nicolson.
Moore, Thomas W.
Jackson, Carey B., Forest Hills, and A. C. Van Andel, Harmony, assignors to Mine Safety Appliances Company, Pittsburgh, Pa. Oxygen liberating canister. 2,517,209, Aug. 1.
Jackson, Carey B., Wilkinsburg, H. C. Beahm, Evans City, and A. C. Van Andel, Harmony, assignors to Mine Safety Appliances Company, Pittsburgh, Pa. Ogygen generating canister. 2,494,131, Jan. 10.
Jackson, Carlton T., Conesus, assignor to International Business Machines Corporation, New York, N. Y. Copyholder. 2,506,456, May 2.
Jackson, Carlton T., Conesus, assignor to Lenco Corporation, Rochester, N. Y. Container cover and carrying device. 2,511,852, June 20.
Jackson, Carlton T., Conesus, assignor to International Business Machines Corporation, New York, N. Y. Apparatus for control of typewriters. 2,531,881, Nov. 28.
Jackson, Charles G., St. Louis, Mo. Newspaper binding machine. 2,524,316, Oct. 3.
Jackson, Charles N.: *See*—
Mowrer, Kenneth D., and Jackson.
Jackson, Clark E.: *See*—
Brown, Keith E., Clark, and Jackson.
Jackson, Deric W. Wakefield, England, assignor to The Jeffrey Manufacturing Company. Swing hammer mill. 2,506,455, May 2.
Jackson, Donald G., Pasadena, Calif. Adjustable thread gauge. 2,517,491, Aug. 1.
Jackson, Earle R., Chicago, Ill. Connector for brushes, brooms, and the like. 2,527,256, Oct. 24.
Jackson, Edwin C., Clayton, Mo., assignor to General Steel Castings Corporation, Granite City, Ill. Railway truck. 2,517,671, Aug. 8.
Jackson, Edwin H., assignor to The Ranch House, Fort Worth, Tex. Portable barbecue. 2,531,684, Nov. 28.
Jackson, Elwood F.: *See*—
Scott, Milton J., and Jackson.
Jackson, Foyster R., Hazel Park, Mich. Jar clamp. 2,535,210, Dec. 26.
Jackson, Frank L., Burley, Idaho. Manually tiltable educational ball game. 2,515,346, July 18.
Jackson, Frank W., assignor of one-half to H. M. Nacey, Chicago, Ill. Heat responsive cable. 2,518,789, Aug. 15.
Jackson, Frank W., and H. M. Nacey, Chicago, Ill. Heat responsive alarm cable. 2,518,788, Aug. 15.
Jackson, Frederick P.: *See*—
Bolt, Jay A., and Jackson.
Jackson, George P., Flushing, N. Y., assignor, by mesne assignments, to Cumbustion Engineering-Superheater, Inc. Burning pulverized fuel. 2,511,587, June 13.
Jackson, George P., Flushing, N. Y., assignor, by mesne assignments, to Combustion Engineering Superheater, Inc. Accelerating the ignition of pulverized fuel. 2,511,588, June 13.
Jackson, George S., United States Navy. Taut grid electrode for electron tubes. 2,495,259, Jan. 24.
Jackson, Gordon, Long Beach, Calif, assignor to Eastman Oil Well Survey Company, Dallas, Tex., and Denver, Colo. Well survey apparatus. 2,521,294, Sept. 5.
Jackson, Henry J., assignee: *See*—
Spengler, Henry.
Jackson, Herbert W., Clarendon Hills, and H. B. Goldsmith, Jr., Evanston, Ill. Apron tie means assembly. 2,532,499, Dec. 5.
Jackson, Hugh T., and F. J. Hill, Toronto, Ontario, Canada. Shelf support. 2,527,132, Oct. 24.
Jackson Iron and Steel Company, The, assignee: *See*—
Elsea, Arthur R.
Jackson, James A: *See*—
Ax, Erick L., and Jackson.
Ballard, Robert J., and Jackson.
Jackson, James O., Crafton, Pa., assignor to Pittsburgh-Des Moines Company. Spherical tank shell. 2,496,626, Feb. 7.
Jackson, James O., Crafton, Pa., assignor to Pittsburgh-Des Moines Company. Bolted flange connection. 2,513,178, June 27.
Jackson, John G., and R. H. Kingdon, assignors to Square D. Company, Detroit, Mich. Thermal-magnetic circuit breaker. 2,494,761, Jan. 17.
Jackson, John M.: *See*—
Grable, Donovan B., and Jackson.
Jackson, John M., Middletown, Ohio. assignor to Armco Steel Corporation. Producing silicon steel of high-directional permeability. 2,535,420, Dec. 26.
Jackson, John T., Viroqua, Wis. Tractor hitch control. 2,525,357, Oct. 10.
Jackson, Joseph G., Bala Cynwyd, Pa., assignor to Sunroc Refrigeration Company, Dover, Del. Water cooler protective system. 2,527,308, Oct. 24.
Jackson, Joseph L., and E. B. Tipton, Baltimore, Md., assignors to Continental Can Company, Inc., New York, N. Y. Distributor for cans. 2,514,067, July 4.
Jackson, Marion H., Dayton, Ohio. Folding clothesbasket. 2,502,323, Mar. 28.
Jackson, Mark R., Sr., assignee: *See*—
Neal, Julian E.
Jackson, Melvin F., assignor to J. I. Case Company, Racine, Wis. Vibration damping device. 2,505,120, Apr. 25.
Jackson, Parrielee P., Pittsburgh, Pa. Sound improving device. 2,504,264, Apr. 18.
Jackson, Percival E., New York, N. Y. Flower holder. 2,510,162, June 13.
Jackson, Richard W.: *See*—
Gordon, William G., Jackson, and Brown.
McMeekin, Thomas L., Reid, Warner, and Jackson.
Peterson, Robert F., and Jackson.
Jackson, Robert J., Hazardville, assignor to Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn. Woven pile floor covering. 2,503,583, Apr. 11.
Jackson, Robert J., Hazardville, assignor to Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn. Making permanently set hard twist wool yarn. 2,509,347, May 30.
Jackson, Robert J., Hazardville, assignor to Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn. Permanently set hard twist wool yarn. 2,509,348, May 30.
Jackson, Robert J., Hazardville, assignor to Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn. Making pile fabric with permanently set hard twist wool pile yarn. 2,509,349, May 30.
Jackson, Robert J., Hazardville, assignor to Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn. Pile fabric with permanently set hard twist wool yarn. 2,509,350, May 30.
Jackson, Robert J., Hazardville, assignor to Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn. Method and apparatus for weaving pile fabrics. 2,516,465, July 25.
Jackson, Sidney W.: *See*—
Fahlman, Everett G., and Jackson.
Jackson, Thomas: *See*—
Frearson, Thomas B., and Jackson.
Jackson, Thomas, Grosse Pointe Park, assignor to Continental Motors Corporation, Muskegon, Mich. Engine. 2,525,602, Oct. 10.
Jackson, Thomas, Spondon, near Derby, England, assignor, by mesne assignments, to Celanese Corporation of America. Production of textile materials. 2,531,513, Nov. 28.
Jackson, Thomas, and F. B. Hill, Spondon, near Derby, England, assignors to Celanese Corporation of America. Increasing the tenacity of cellulose acetate yarns. 2,505,048, Apr. 25.
Jackson, Thomas E., assignor, by mesne assignments, of one-half to The Glyde-Rite Corp., Zanesville, Ohio. Harness. 2,500,079, Mar. 7.
Jackson, Tom: *See*—
Olpin, Henry C., and Jackson.
Jackson, Virgil S., Weirton, W. Va., assignor to National Steel Corporation. Apparatus for grooving rolls. 2,496,395, Feb. 7.
Jackson, Wilbur C., Oak Park, Ill., assignor to Motorola, Inc. Tuning device. 2,528,519, Nov. 7.
Jackson, Wilbur C., Oak Park, and L. T. Clemens, Chicago, Ill., assignors to Motorola, Inc. Solenoid operated switch. 2,528,520, Nov. 7.

Jackson, William W., Short Hills, and R. E. Porzer, Bloomfield, N. J., assignors to Celanese Corporation of America. Coated open-mesh vinylidene chloride fabric. 2,519,474, Aug. 22.

Jacob, Don M., Schenectady, N. Y., assignor to General Electric Company. Peak comparator circuit. 2,511,671, June 13.

Jacob, Don M., Schenectady, N. Y., assignor to General Electric Company. Sweep generator. 2,523,763, Sept. 26.

Jacob, Ellis L., Moylan-Rose Valley, assignor to The Budd Company, Philadelphia, Pa. Bulkhead door structure. 2,511,267, June 13.

Jacob, Frederick N., E. R. Stout, and L. Miller, assignors to Aladdin Industries, Incorporated, Chicago, Ill. Wide band calibrated tuner and inductor for use therewith. 2,533,810, Dec. 12.

Jacob, Morris L., assignor to Pittsburgh Annealing Box Company, Pittsburgh, Pa. Circular annealing inner cover. 2,529,609, Nov. 14.

Jacob, Robert M., Ablon-sur-Seine, assignor to Societe des Usines Chimiques Rhone-Poulenc, Paris, France. 1-alkylsulfonyl-4-alkyl piperazines. 2,507,408, May 9.

Jacob, Robert M., Ablon-sur-Seine, and E. Suau, Choisy-le-Roi, assignors to Societe des Usines Chimiques Rhone-Poulenc, Paris France. Aminoalkyl sulfonyl piperazines and preparing same. 2,513,026, June 27.

Jacob, Robert M., Ablon-sur-Seine, and J. Robert, assignors to Societe des Usines Chimiques Rhone Poulenc, Paris, France. Piperazine derivatives. 2,534,774, Dec. 19.

Jacobaeus, Anton C.: *See*—
Ericsson, Erik A., and Jacobaeus.

Jacobaeus, Anton C., assignor to Telefonaktiebolaget L M Ericsson, Stockholm, Sweden. Connecting device for telephone exchanges using a register. 2,534,822, Dec. 19.

Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Electrical switch. 2,502,952, Apr. 4.

Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Mounting means for ignition switch locks. 2,506,642, May 9.

Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Cylinder lock operating connection. 2,530,469, Nov. 21.

Jacobi, George A.: *See*—
King, Howard J., and Jacobi.

Jacobi, Louis, West Allis, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Power transmitting mechanism. 2,506,671, May 9.

Jacobi, Martin, Buffalo, N. Y. Hat stay. 2,505,403, Apr. 25.

Jacobowitz, Arnold, assignee: *See*—
Tessmer, Raymond G., Sr.

Jacobowitz, Jacob, Detroit, Mich. Castor. 2,511,066, June 13.

Jacobs, Arthur, Newark, N. J. License plate holder. 2,501,176, Mar. 21.

Jacobs, Charles R., Del Paso Heights, Calif. Self-governing wind-driven propeller. 2,516,576, July 25.

Jacobs, Clare S., Grosse Pointe Park, assignor to F. L. Jacobs Co., Detroit, Mich. Visor mounting device. 2,535,929. Dec. 26.

Jacobs, Edward C., Wyandotte, and L. G. Lundsted, Grosse Ile, assignors to Wyandotte Chemicals Corporation, Wyandotte, Mich. Producing aldehydes by isomerization of olefin alpha oxides. 2,503,050, Apr. 4.

Jacobs, Edward C., San Mateo, Calif., and L. G. Lundsted, Grosse Ile, assignors to Wyandotte Chemicals Corporation, Wyandotte, Mich. Aldehydo isomerization of olefin alpha oxides. 2,521,170, Sept. 5.

Jacobs, Elmer N., assignee: *See*—
Peterson, Jack W.

Jacobs, F. L., Co., assignee: *See*—
Adamek, Frank J.
Brundage, Alan D.
Jacobs, Clare S.

Jacobs, Gerald, Indianapolis, Ind., assignor to Stewart-Warner Corporation, Chicago, Ill. Intermittent combustion spark ignition aircraft heater. 2,531,939, Nov. 28.

Jacobs, James H., Boulder City, Nev., assignor, by mesne assignments, to Crimora Research and Development Corporation, Crimora, Va. Purification of manganese solutions. 2,495,456, Jan. 24.

Jacobs, James H., Boulder City, Nev., assignor, by mesne assignments, to Crimora Research and Development Corporation, Crimora, Va. Treating cathodes for electro-winning manganese. 2,495,457, Jan. 24.

Jacobs, James W., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,507,305, May 9.

Jacobs, John H., Fanwood, assignor to The Babcock & Wilcox Company, Rockleigh, N. J. Steam generator. 2,513,328, July 4.

Jacobs, Joseph H., Minneapolis, Minn. Boat stabilizer. 2,509,974, May 30.

Jacobs, Leroy R., and G. R. Halterman, Yellow Springs, Ohio. Dumping mechanism for farm vehicles. 2,493,877, Jan. 10.

Jacobs Manufacturing Company, The, assignee: *See*—
Stoner, Arthur M.

Jacobs, Marcellus L., Minneapolis, Minn. Apparatus for fixing blade angulation of wind-driven multiblade propellers. 2,505,969, May 2.

Jacobs, Oles B., Melrose Park, Ill. Locking holder. 2,496,726, Feb. 7.

Jacobs, Oliver B., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Repeatered electrical transmission system, including auxiliary cable system. 2,504,692, Apr. 18.

Jacobs, Phillip C., Jr., Newtonville, Mass., assignor, by mesne assignments, to The Acro Manufacturing Co., Columbus, Ohio. Mounting snap action switch blades. 2,533,671, Dec. 12.

Jacobs, Ray T., Twin Falls, Idaho, and E. B. Fitch, Westport, assignors to The Dorr Company, Stamford, Conn. Recovery of glutamic material in the ionic purification treatment of sugar-bearing solutions. 2,510,980, June 13.

Jacobs, Robert B., Rochester, N. Y., assignor, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission. Vacuum leak detector method. 2,504,530, Apr. 18.

Jacobs, Samuel S.: *See*—
Reid, George C., and Jacobs.

Jacobs, Samuel S., San Mateo, Calif., assignor to American Can Company, New York, N. Y. Container treating machine. 2,512,651, June 27.

Jacobs, Saul B.: *See*—
Siegel, Max, and Jacobs.

Jacobs, Stephen, Fitchburg, Mass. assignor to General Electric Company. Pressure change amplifier for hydraulic governing systems. 2,534,974, Dec. 19.

Jacobsen, Calle P., and V. Swanback, Freshwater, Calif. Valve for toilet flush tanks. 2,524,666, Oct. 3.

Jacobsen, Carl: *See*—
Davis, John G.

Jacobsen, Harold E., Kingsley, Mich. Spout, including a split circular channel-shaped attaching band. 2,520,549. Aug. 29.

Jacobsen, Harold E., Kingsley, Mich. Corkscrew with pivoted lateral projection. 2,524,595, Oct. 3.

Jacobsen, Henry W., Cleveland Heights, Ohio, assignor to General Electric Company. Sealing-in apparatus. 2,512,276, June 20.

Jacobsen, Henry W., Cleveland Heights, Ohio, assignor to General Electric Company. Holder for lamp bulbs and similar articles. 2,512,277, June 20.

Jacobsen, Irwin S., Little Falls, assignor to Industrial Electronics Corporation, Newark, N. J. Safety starter. 2,527,423, Oct. 24.

Jacobsen, Le Roy V., near Bettendorf, Iowa, and G. G. Go Sline, Rock Island, Ill., assignors to Bee-Line Company, Scott County, Iowa. Balancing means for motor vehicle wheels. 2,522,039, Sept. 12.

Jacobsen, Le Roy V., near Bettendorf, Iowa, and G. G. Go Sline, Rock Island, Ill., assignors to Bee-Line Company, Scott County, Iowa. Wheel balance checking apparatus. 2,526,484, Oct. 17.

Jacobsen, Oystein, Montgomery County, assignor to The Duriron Company, Inc., Dayton, Ohio. Plug cock valve. 2,501,945, Mar. 28.

Jacobsen, Oystein, assignor to The Duriron Company, Inc., Dayton, Ohio. Plug cock valve. 2,501,946, Mar. 28.

Jacobsen, Oystein, Montgomery County, assignor to The Duriron Company, Inc., Dayton, Ohio. Plug valve. 2,505,970, May 2.

Jacobsen, Oystein, Montgomery County, assignor to The Duriron Company, Inc., Dayton, Ohio. Mechanical lift plug valve. 2,505,971, May 2.

Jacobsen, Oystein, Montgomery County, assignor to Duriron Company, Inc., Dayton, Ohio. Shaft seal. 2,511,337, June 13.

Jacobsen, Oystein, Montgomery County, assignor to The Duriron Company, Inc., Dayton, Ohio. Plug valve. 2,518,790, Aug. 15.

Jacobsen, Peter, assignor to Dry Corrugating Method v/akselbo, Berbom og Drostholm, Copenhagen, Denmark. Machine for corrugating cardboard. 2,505,404, Apr. 25.

Jacobsen, Robert P.: *See*—
Picha, George M., Jacobsen, and Pincus.
Pincus, Gregory, Jacobsen, and Levy.

Jacobsen, Robert P., Elizabethtown, Pa. Car crib. 2,507,977, May 16.

Jacobsen, Robert P., Shrewsbury, G. Pincus and H. Levy, Worcester, Mass., assignors to G. D. Searle & Co., Skokie, Ill. 2,13-Dimethyldodecahydrophenanthrene hydroxy lactones and derivatives thereof. 2,499,247, Feb. 28.

Jacobsen, Walter E. and W. H., Churchville, Pa. Selective multicolor pencil. 2,514,953, July 11.

Jacobsen, Walter H.: *See*—
Jacobsen, Walter E. and Walter H.

Jacobson, Abraham W.: *See*—
Eddison, William B., and Jacobson.

Jacobson, Abraham W., New Haven, assignor to The Bristol Company, Waterbury, Conn. Alternating current motor control. 2,500,314, Mar. 14.

Jacobson, Benjamin D., New Brunswick, N. J. Removable handle for knives. 2,533,014, Dec. 5.

Jacobson, Carl H., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Film core retaining and driving device. 2,505,329, Apr. 25.

Jacobson, Franz, New York, N. Y. Couplings for tubing. 2,516,631, July 25.
Jacobson, Harry, New York, assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Moldable plastic hinge. 2,500,829, Mar. 14.
Jacobson, Henning W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Synthesis of a 2-substituted-5-oxopyrrolidine. 2,496,163, Jan. 31.
Jacobson, Ilamae W., St. Louis Park, Minn. Garment sleeve cuff. 2,497,262, Feb. 14.
Jacobson, James H., Chicago, Ill. Parting strip assembly for highways and the like. 2,535,135, Dec. 26.
Jacobson, James J., New York, N. Y. Self-locking adjustable tripod head. 2,499,066, Feb. 28.
Jacobson, Joel M., Pikesville, S. F. Brader, and H. A. Fleck, Hagerstown, Md., assignors to Fairchild Engine and Airplane Corporation. Aircraft landing gear. 2,504,128, Apr. 18.
Jacobson, Morris, assignor to Arvey Corporation, Chicago, Ill. Collapsible hat holder. 2,535,136, Dec. 26.
Jacobson, Ralph A.: *See*—
Brubaker, Merlin M., and Jacobson.
Jacobson, Ralph A., Landenberg, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Mixture of polyethylene with hydrocarbon obtained by hydrogenation of carbon monoxide. 2,499,756, Mar. 7.
Jacobson, Ralph A., Landenberg, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Azo catalysts in the preparation of olefin-sulfur dioxide resins. 2,507,526, May 16.
Jacobson, Ralph A., deceased, Landenberg, New Garden Township, Chester County, Pa., by W. M. Jacobson, executrix, Landenberg, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerization process. 2,519,135, Aug. 15.
Jacobson, Ralph A., Landenberg, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Esters of maleic acid. 2,519,764, Aug. 22.
Jacobson, Winifred M., executrix: *See*—
Jacobson, Ralph A.
Jacobsson, Wilgot J.: *See*—
Oldham, Samuel R., Jacobsson, and Hoffman.
Jacobsson, Wilgot J., Plainfield, N. J., assignor to The Linde Air Products Company. Blowpipe. 2,510,227, June 6.
Jacobsson, Wilgot J., Plainfield, and S. R. Oldham, East Orange, N. J., assignors to The Linde Air Products Co. Hand blowpipe. 2,518,895, Aug. 15.
Jacobus, Clarence E., Kent, assignor to Boeing Airplane Company, Seattle, Wash. Control linkage mechanism. 2,528,752, Nov. 7.
Jacobus, Herbert R., White Plains, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Terminal construction for electron discharge devices. 2,522,517, Sept. 19.
Jacobus, R. A., assignee: *See*—
Poer, Charles E.
Jacoby, Arthur L., Western Springs, assignor to National Aluminate Corporation, Chicago, Ill. N-ricinoleyl amines and the production thereof. 2,511,163, June 13.
Jacoby, John W., Oil City, Pa., assignor to Oil Well Supply Company. Clutch shifter. 2,510,697, June 6.
Jacoby, Meyer, New York, N. Y. Preparing synthetic filaments for wig making purposes and for making wigs therefrom. 2,531,685, Nov. 28.
Jacokes, Benton D., Jackson, Mich., assignor to Walker Manufacturing Company of Wisconsin, Racine, Wis. Machine for seaming tubular members. 2,516,322, July 25.
Jacot, Albert, Wooster, Ohio. Voting machine counter reader. 2,506,154, May 2.
Jacot, Georges, and J. Monti, Geneva, Switzerland. Apparatus for electrically measuring thicknesses. 2,510,822, June 6.
Jacovelli, Samuel: *See*—
Sherman, Otis R., and Jacovelli.
Jacowitz, Sheldon, Brooklyn, N. Y. Ironing board. 2,527,363, Oct. 24.
Jacquard Knitting Machine Co., Inc., assignee: *See*—
Miller, Charles F.
Jacqueau, Henri: *See*—
Leboime, René, and Jacqueau.
Jacques, Innocenza S., St. Louis, Mo. Shoulder pads. 2,497,992, Feb. 21.
Jacques, Jean: *See*—
Morris, Harry C., and Jacques.
Jacquet, Jean F. A., Brussels, Belgium. Installation for the continuous casting of ingots. 2,494,619, Jan. 17.
Jadoul, Edmond L. J., Brussels, Belgium. Elastic guide for the suspension shaft of the bowl of a cream separator. 2,494,815, Jan. 17.
Jaeck, Wolfgang: *See*—
Lambelet, Lucien, and Jaeck.
Jaeger, Charles E., Bronx, N. Y. Adjustable container punch for vent and spout openings. 2,501,817, Mar. 28.
Jaeger, Edward B., Philadelphia, Pa. Shortening. 2,508,393, May 23.
Jaeger, Gebhard, and C. I. Bohmer, assignors to The Jaeger Machine Company, Columbus, Ohio. Sealing means for mixers or the like. 2,501,944, Mar. 28.
Jaeger, Gebhard, assignor to The Jaeger Machine Company, Columbus, Ohio. Machine or apparatus for surfacing roads. 2,511,589, June 13.
Jaeger, Gebhard, assignor to The Jaeger Machine Company, Columbus, Ohio. Water distributing device for mixers. 2,533,191, Dec. 5.
Jaeger Machine Company, The, assignee: *See*—
Barker, Eugene.
Bohmer, Clarence I., and Barker.
Jaeger, Gebhard.
Jaeger, Gebhard, and Bohmer.
Lamberton, Ralph E.
Van Voorhis, William G.
Jaeger Watch Company, Inc., assignee: *See*—
Berge, Joseph.
Jaegle, William C., Plainview, assignor to Klingerit, Inc., New York, N. Y. Valve organization. 2,530,433, Nov. 21.
Jaeschke, Ralph L., Kenosha Wis., and M. P. Winther, Waukegan, Ill.; said Jaeschke assignor to Dynamatic Corporation, Kenosha, Wis., and said Winther assignor to himself as trustee. Resistance contact apparatus. 2,505,712, Apr. 25.
Jaffa, Harry, Detroit, Mich., and W. Jaffa, Minneapolis, Minn. Material handling apparatus. 2,512,333, June 20.
Jaffa, William: *See*—
Jaffa, Harry and W.
Jaffa, William, Minneapolis, Minn. Toy wagon. 2,509,736, May 30.
Jaffe, Elias, New York, N. Y. Luggage handle comprising two complementary and interlocked hollow-sections individually covered. 2,528,831, Nov. 7.
Jaffe, Hans, assignor to The Brush Development Company, Cleveland, Ohio. Piezoelectric crystal plate. 2,493,144, Jan. 3.
Jaffe, Hans, assignor to The Brush Development Company, Cleveland, Ohio. Piezoelectric crystal apparatus. 2,493,145, Jan. 3.
Jaffe, Hans, Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Piezoelectric apparatus. 2,497,672, Feb. 14.
Jaffe, Hyman A., and H. L. Feiner, Bronx, N. Y. Portable picnic chest having detachable table top. 2,505,898, May 2.
Jaffe, Leonard D., Somerville, Mass. Safety attachment for control mechanism. 2,514,396, July 11.
Jagen, Theodore A., Harrison, N. J., assignor to General Motors Corporation, Detroit, Mich. Heat-treating apparatus. 2,504,198, Apr. 18.
Jagen, Theodore A., Harrison, N. J., assignor to General Motors Corporation, Detroit, Mich. Size controlling apparatus. 2,521,979, Sept. 12.
Jagenburg, E. R., Inc., assignee: *See*—
Jagenburg, Eugene R.
Jagenburg, Eugene R., assignor to E. R. Jegenburg Inc., Brooklyn, N. Y. Machine for peeling prepared fruits. 2,530,063, Nov. 14.
Jagenburg, Eugene R., assignor to E. R. Jagenburg, Inc., Brooklyn, N. Y. Machine for decrowning pineapples. 2,530,201, Nov. 14.
Jagger, Ivan D., assignor to Wheeler Paper Corporation, Albany, N. Y. Ratchet drive. 2,532,404, Dec. 5.
Jaggi, Walter, Baden, and L. Blunschi, Nussbaumen, near Baden, assignors to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. System of speed control for electric motors. 2,517,881, Aug. 8.
Jagiel, Zigman J., Toledo, Ohio. Ladder jack. 2,535,291, Dec. 26.
Jagow, Edgar E.: *See*—
Ketcham, Edward K., May, and Jagow.
Jahde, Harlan H., Pender, Nebr. Front mount tractor mower. 2,519,659, Aug. 22.
Jahn, Alfred P., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Detecting leaks in lead sheath telephone cables. 2,518,327, Aug. 8.
Jahnig, Charles E., Roselle, N. J., assignor to Standard Oil Development Company. Process and apparatus for contacting solid particles and gaseous fluid. 2,502,953, Apr. 4.
Jahnig, Charles E., Roselle, and H. Z. Martin, Elizabeth, N. J., assignors to Standard Oil Development Company. Fluidized catalyst apparatus. 2,515,156, July 11.
Jahnig, Charles E., Roselle, N. J., assignor to Standard Oil Development Company. Process and apparatus for contacting finely divided solids and gases. 2,518,693, Aug. 15.
Jahoda, Edward, Manhasset, N. Y. Light-sensitive blueprint layer and producing the same. 2,517,111, Aug. 1.
Jahr, Arthur A., Round Lake, Ill., assignor to Anchor Hocking Glass Corporation, Lancaster, Ohio. Machine for assembling closure caps and sealing gaskets. 2,520,315, Aug. 29.
Jakeman, John W.: *See*—
Spence, Fred, and Jakeman.
Jakeway, Gerald V.: *See*—
Keeler, Isaac S., and Jakeway.
Jakeway, Gerald V., assignor to Keeler Brass Company, Grand Rapids, Mich. Door handle mounting. 2,514,448, July 11.
Jakeway, Gerald V., assignor to Keeler Brass Company, Grand Rapids, Mich. Support for lids, covers, and the like. 2,527,933, Oct. 31.
Jakeway, Gerald V., assignor to Keeler Brass Company, Grand Rapids, Mich. Drawer slide actuating mechanism for cabinets and the like. 2,532,405, Dec. 5.

Jakob, Pablo, Buenos Aires, Argentina. Automatic electric starter for burners. 2,512,250, June 20.
Jakobsen, Jakob L., Minneapolis, Minn., assignor to General Mills, Inc. Soybean oil. 2,508,919, May 23.
Jakosky, Milton, New York, N. Y. Aircraft safety belt. 2,510,115, June 6.
Jakoubek, Frank J., Elmwood Park, Ill. Mine roof and timbering jack. 2,532,168, Nov. 28.
Jakubowski, Richard S., Chicago, Ill. Strainer attachment for pitchers and like containers. 2,511,111, June 13.
Jam Handy Organization, Inc., The, assignee: *See*—
Gould, Howard S., Beck, and Manning.
Jambura, John W., Manns Harbor, N. C. Trisector. 2,507,598, May 16.
Jambura, John W., Manns Harbor, N. C. Typewriter sheet support and vertical margin indicator. 2,503,825, Apr. 11.
Jamerson, David R., assignor to H. E. Vaughan, Dallas, Tex. Cultivating attachment for plows. 2,511,067, June 13.
James, Ada M., assignee: *See*—
James, Lorenzo D.
James Cycle Company Limited, The, assignee: *See*—
Lechmere, Walter F.
James, Cyril H.: *See*—
Choice, Frank C., and James.
James, David: *See*—
Gantner, Edward G., and James.
James, Fannie B., executrix: *See*—
James, Ulysses S., and Ulysses S., Jr.
James, Floyd D., Whittier, Calif. Heat exchanger. 2,493,969, Jan. 10.
James, Herbert A., Philadelphia, Pa. Axially movable piston type hydraulic clutch. 2,497,993, Feb. 21.
James, John H., Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Guide for disk type magnetic recorder-reproducers. 2,535,495, Dec. 26.
James, John R., Dolores, Colo. Bean, pea, and peanut windrower. 2,507,635, May 16.
James, Kenneth E., Covina, Calif. Molding concrete pipes. 2,502,789, Apr. 4.
James, Lawrence T., Cape Girardeau, Mo., assignor to United Shoe Machinery Corporation, Flemington, N. J. Shoe sewing machine. 2,520,211, Aug. 29.
James, Lorenzo D., assignor of one-half to F. L. Taulman, Long Beach, Calif. Tail gate fastening means. 2,496,944, Feb. 7.
James, Lorenzo D., assignor of one-fourth to C. B. Moore, one-fourth to J. R. Moore, and one-fourth to A. M. James, Long Beach, Calif. Combined latch and lock for swinging gates. 2,510,178, June 6.
James, Louise, assignor to Huye Space Saving Box System Inc., New Orleans, La. Box end closure. 2,499,647, Mar. 7.
James Manufacturing Company, assignee: *See*—
De Cesaris, Frederick.
Olson, John B.
James, Paul A., Louisville, Ky. Chair having a tilting seat and back unit. 2,532,453, Dec. 5.
James, Paul E., assignor to Carrier Corporation, Syracuse, N. Y. Refrigeration cabinet with condensation preventing means. 2,502,219, Mar. 28.
James, Raymond W., Lexington, assignor to Arthur D. Little, Inc., Cambridge, Mass. Recording material. 2,519,660, Aug. 22.
James, Robert B., Huntington Park, Calif. Slot holder. 2,506,219, May 2.
James, Robert F., Mahwah, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Food treating and storing refrigerator and method. 2,533,732, Dec. 12.
James, Robyn M., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Production of riboflavin. 2,498,549, Feb. 21.
James, Thomas, Jr., Oaklyn, N. J. Multiple operated vehicle brake. 2,503,489, Apr. 11.
James, Thomas S., Ben Avon, and E. J. W. Egger, Pittsburgh, Pa., assignors to The Linde Air Products Company. Oxy-fuel gas cutting machine. 2,521,222, Sept. 5.
James, Ulysses S., deceased, West Orange, N. J., by F. B. James, executrix, West Orange, and U. S. James, Jr., Livingston, N. J.; said F. B. James assignor to said U. S. James, Jr. Vibrator. 2,519,374, Aug. 22.
James, Ulysses S., Jr., assignee: *See*—
James, Ulysses S., and Ulysses S., Jr.
James, Wallace O., Jackson, Mich. Adjustable door actuating device for varying the at rest position. 2,507,163, May 9.
James, William E.: *See*—
Dorn, Eugene W., Jr., and James.
James, William R.: *See*—
Simons, Joseph H., Pearlson, and James.
Jameson, Charles M., Battle Creek, Mich. Automatic braking device. 2,507,306, May 9.
Jameson, Joseph L., Ewell, England. Valve gear for internal-combustion engines. 2,515,347, July 18.
Jamestown Metal Equipment Company, Inc., assignee: *See*—
Conterman, Fred A.
Jamieson, Sydney C.: *See*—
Ruiz, Alfonso J., and Jamieson.
Jamo, John N., Grand Rapids, Mich. Needle threader. 2,525,034, Oct. 10.
Jampoler, Herbert O. M., New York, and H. Lerner, Jackson Heights, N. Y., said Lerner assignor to said Jampoler, said Jampoler now by change of name H. O. Jason. Device for transmitting coded electrical impulses. 2,523,303, Sept. 26.
Janco, Nathan, Tulsa, Okla. Centrifugal casting machine. 2,517,317, Aug. 1.
Jancura, Charles G., Cleveland, Ohio, assignor to Aluminum Company of America, Pittsburgh, Pa. Mold gating system. 2,521,520, Sept. 5.
Jandasek, Joseph, assignor to Bendix Aviation Corporation, Detroit, Mich. Fluid transmission. 2,523,907, Sept. 26.
Jandus, Herbert S., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Metallic beer barrel. 2,503,339, Apr. 11.
Jandus, Herbert S., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Brake lever structure. 2,531,130, Nov. 21.
Janes, Edmund D.: *See*—
Maxim, Oren B., and Janes.
Janes, Edmund D., assignor to Scovill Manufacturing Company, Waterbury, Conn. Capped prong ring. 2,519,965, Aug. 22.
Janes, Edmund D., and M. J. Carpinella, assignors to Scovill Manufacturing Company, Waterbury, Conn. Adjustable buckle holder. 2,529,452, Nov. 7.
Janes, Milton: *See*—
Slyh, John A., Janes, and Doying.
Janeway, Robert N., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Swing hanger pin for railway trucks. 2,532,272, Nov. 28.
Janhunen, Matti, Helsinki, Finland. Mixer for the making of light concrete. 2,522,040, Sept. 12.
Janisch, Bride B., assignee: *See*—
Janisch, Maximillian P.
Janisch, Maximillian P., assignor of one-third to B. B. Janisch, Milwaukee, Wis., and one-third to M. J. Hess, Los Angeles, Calif. Fishing lure. 2,519,048, Aug. 15.
Janisch, Maxmillian P., deceased, Milwaukee, Wis.; B. Janisch and M. J. Hess, executrices of said M. P. Janisch. Minnow pail. 2,531,628, Nov. 28.
Janke, Edward J., assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio. Device for attaching master sheets on drums. 2,512,940, June 27.
Janke, Edward J., assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio. Sheet delivering means in rotary presses. 2,531,629, Nov. 28.
Jankelson, Bernard, Seattle, Wash. Saliva ejector. 2,529,499, Nov. 14.
Janney, John B., Feasterville, Pa. Packaging means for annular devices. 2,527,819, Oct. 31.
Jannopoulo, Demosthenes C., St. Louis, Mo. Image detecting photoelectric control device. 2,518,694, Aug. 15.
Janonis, George, Detroit, Mich. Toilet paper holder. 2,518,328, Aug. 8.
Jansen, Andries W.: *See*—
Vähl, László, and Jansen.
Jansen, Cornelius G., D. J. E. Nijkamp, and O. A. H. Waters, Arnhem, Netherlands, assignors to American Enka Corporation, Enka, N. C. Device for use in winding threads. 2,520,409, Aug. 29.
Jansen, Eugene F.: *See*—
Lewis, James C., and Jansen.
Jansen, Hendrik C., Upton Park, Chester, and N. W. Barritt, Ince, near Chester, England, assignors to Shell Development Company, San Francisco, Calif. Treatment of cellulosic fibrous materials. 2,501,337, Mar. 21.
Jansen, Jacob E.: *See*—
Gregory, James T., and Jansen.
Gresham, Thomas L., and Jansen.
Jansen, Jacob E., Akron, and J. T. Gregory, Cuyahoga Falls, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Vinyl resins plasticized with poly-(carbalkoxyalkylenethio) compounds. 2,530,882, Nov. 21.
Jansen, Marinus J.: *See*—
Bienfait, Henri, van den Blink, Gilsing, and Jansen.
Janson, Gotthard, Jr., Lansing, Mich. Valve coupling. 2,517,571, Aug. 8.
Janson, Harry W., Gray, and C. D. Rodgers, Portland, Maine, assignors to Utilities Distributors, Inc. Air heater and circulator. 2,518,329, Aug. 8.
Janssen, Hendrik J. J., The Hague, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Method and atomizer for atomizing fuel oil. 2,514,581, July 11.
Janssen, Johannes M. L.: *See*—
Blok, Lourens, and Janssen.
Janssen, Johannes M. L., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Apparatus for deriving from a recurrent wave, a voltage of relatively low fundamental frequency but of the same shape. 2,502,955, Apr. 4.
Janssen, Johannes M. L., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Circuit arrangement producing a phase displacement having a substantially constant value. 2,503,739, Apr. 11.
Janssen, Peter J. H., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Circuit for separation of frames from line synchronizing pulses. 2,509,975, May 30.

Janssen, Peter J. H., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Cathode-ray tube circuit. 2,532,720, Dec 5.
Janssen, William H., and W. Mikelson, Schenectady, N. Y., assignors, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission. Acoustic chamber for analysis of gaseous mixtures. 2,521,634, Sept. 5.
Jansson, Ernst T., assignor to Aktiebolaget Separator, Stockholm, Sweden. Teat cup. 2,502,956, Apr. 4.
Jansson, Ernst T., assignor to Aktiebolaget Separator, Stockholm, Sweden. Milking machine. 2,510,581, June 6.
Jansson, Gustav E.: *See*—
Ainsworth, Chester D., and Jansson.
Jansson, Gustav E., North Quincy, Mass., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Gas blast breaker with separately actuated blast valve and tank filling valve. 2,521,460, Sept. 5.
Jansson, Gustav E., North Quincy, Mass., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Control for a plurality of fluid pressure motors. 2,523,572, Sept. 26.
Jantsch, Emil, Youngstown, Ohio, assignor to Carnegie-Illinois Steel Corporation. Fluid-cooled tube for sighting a furnace pyrometer. 2,534,448, Dec. 19.
Jantzen Knitting Mills, assignee: *See*—
Wittenberg, Margaret H.
Janvrin, Everett B., Cincinnati, Ohio, assignor to The Bristol Company, Waterbury, Conn. Humidity control. 2,528,368, Oct. 31.
Janz, George J.: *See*—
Robinson, Ivan M., and Janz.
Janz, George J., London, England, assignor to Canadian Industries Limited, Montreal, Quebec, Canada. Dinitrohexachlorobutanes. 2,499,648, Mar. 7.
Janz, Robert, Plevna, Mont. Tackle box. 2,503,490, Apr. 11.
Janz, Robert, Joliet, Mont. Gun silencer, including side branch chamber. 2,503,491, Apr. 11.
Jarboe, John A., Fort Scott, Kans. Electrically heated lunch box. 2,505,405, Apr. 25.
Jardine, Walter M., Montreal, Quebec, Canada. Hook retaining means for fishing rods. 2,514,645, July 11.
Jargstorff, George W., Glen Rock, and C. A. Joslin, New Brunswick, N. J., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Method and apparatus for molding tubing. 2,519,375, Aug. 22.
Jarmain, E. R., & Co. Limited, assignee: *See*—
Jarmain, Edwin R.
Jensen, Louis M.
Jarmain, Edwin R., assignor to E. R. Jarmain & Co. Limited, London, Ontario, Canada. Method and apparatus for finishing fabric articles. 2,515,828, July 18.
Jarman, Vincent G., Belleville, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Sealing fixture. 2,522,949, Sept. 19.
Jarnagin, Marvin, Detroit, Mich. Slingshot pistol. 2,501,568, Mar. 21.
Jarosch, Oscar H.: *See*—
Shea, Robert P., Jarosch, Dunn, and Love.
Jarrett, Harry M., East Hartford, Conn. Safety latch for automobile doors. 2,529,340, Nov. 7.
Jarry, Louis N., East Cleveland, Ohio; O. C. Jarry, sole heir by order of the court. Support. 2,515,348, July 18.
Jarry, Odna C., heir: *See*—
Jarry, Louis N.
Jarva, Maria J., Duluth, Minn. Multiple address tape holder. 2,507,856, May 16.
Jarvie, Alexander G., and C. H. Hannon, Pittsfield, Mass., assignors to General Electric Company. Heat-treating aluminum foil. 2,506,364, May 2.
Jarvis, Charles W.: *See*—
Backus, Walter M., Jr., and Jarvis.
Jarvis, George A., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Biconical electromagnetic horn antenna. 2,532,551, Dec. 5.
Jarvis, Harold R., San Francisco, Calif. Detachable freight carrying device. 2,516,881, Aug. 1.
Jarvis & Jarvis, Inc., assignee: *See*—
Heffernan, Edward M.
Jarvis, Kenneth W., Winnetka, Ill., assignor to Streeter-Amet Company. Traffic detector. 2,532,231, Nov. 28.
Jarvis, Samuel F.: *See*—
Moran, Don E., and Jarvis.
Jarvis, William M., Farnborough, England. Regulating the temperature of internal-combustion engines. 2,499,144, Feb. 28.
Jary, William E., Fort Worth, Tex. Illuminated sign. 2,501,523, Mar. 21.
Jasco, Incorporated, assignee: *See*—
Frolich, Per K.
Gleason, Anthony H., Frolich, and Sparks.
Lightbown, Irving E., Sparks, and Thomas.
Smyers, William H.
Sparks, William J., Gleason, and Frolich.
Jasion, Leo Z.: *See*—
Swaney, Miller W., and Jasion.
Jasion, Leo Z., Elizabeth, and L. T. Eby, Roselle, N. J., assignors to Standard Oil Development Company. Herbicidal composition. 2,533,015, Dec. 5.
Jaskey, Leo L., assignee: *See*—
Baade, Henry.
Jaskowiak, Theodore, La Salle, Ill., assignor to Carus Chemical Company. Making magnesium and zinc permanganates. 2,504,129, Apr. 18.
Jaskowiak, Theodore, La Salle, Ill., assignor to Carus Chemical Company. Making alkaline earth metal permanganates. 2,504,130, Apr. 18.
Jaskowiak, Theodore, La Salle, Ill., assignor to Carus Chemical Company. Making alkali metal and ammonium permanganates. 2,504,131, Apr. 18.
Jasmer, William H., Detroit, Mich. Golf ball retriever. 2,524,527, Oct. 3.
Jason, Herbert O.: *See*—
Jampoler, Herbert O. M., and Lerner.
Jason, Walter J., assignee: *See*—
Schmidt, Howard F., Gerlach, and Squiers.
Jasper, Cronje, Villa Park, and G. T. Hawk, Chicago, Ill. Duct rodding machine. 2,518,330, Aug. 8.
Jasper, John W., assignor to Eastman Kodak Company, Rochester, N. Y. Rack for supporting flat metal sheets in electroplating operations. 2,533,464, Dec. 12.
Jasper, Stanley, Carrollton, Ky. Tensioning device for step ladders. 2,525,412, Oct. 10.
Jass, John E.: *See*—
Bridwell, John W., Jass, and Wood.
Jasse, Joseph R., assignor to Etablissements Edgar Brandt, Paris, France. Projectile equipped with fins. 2,498,080 Feb. 21.
Jassy, David, Detroit, Mich. Alidade bearing indicator. 2,519,191, Aug. 15.
Jatkoe, Walter P., Detroit, and C. A. Kurrash, Redford Township, Wayne County, Mich. Grinder-shaker. 2,507,670, May 16.
Jax, Inc., assignee: *See*—
Adler, John H.
Jay, Frederic C., assignor to Kentucky Forest Products, Inc., Baltimore, Md. Lacrosse racquet. 2,508,519, May 23.
Jay, Marcel, Paris, France. Electric razor. 2,499,249, Feb. 28.
Jaye, Richard C., assignor to Syncromatic Corporation, Watertown, Wis. Protective and air feeding front for domestic heating furnaces. 2,506,643, May 9.
Jayne, David W., Old Greenwich, H. M. Day, Stamford, and E. W. Gieseke, Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Beneficiation of acidic minerals. 2,494,132, Jan. 10.
Jayne, David W., Jr., Old Greenwich, and H. M. Day, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Rubberlike cured polyester and preparing the same. Re. 23,220, Apr. 18.
Jaynes, Hal B., Lenoir, N. C. Lubrication apparatus for engines. 2,493,350, Jan. 3.
Jaynes, Hal B., Lenoir, N. C. Electrically operated speedometer for automotive vehicles. 2,529,082, Nov. 7.
Jay-Vee Shoe Tree Company, assignee: *See*—
Vining, Howard C.
Jeandron, Howard T., assignee: *See*—
Foss, Frank A.
Jeanneret, Henri, La Chaux-de-Fonds, assignor to Les Fabriques d'assortiments reunies, LeLocle (Switzerland). Lever escapement for timepieces. 2,504,693, Apr. 18.
Jeanneret, Henri, La Chaux-de-Fonds, Switzerland. Escapement. 2,526,620, Oct. 24.
Jeckel, Norman C., Glens Falls, N. Y. Braided product and producing the same. 2,494,389, Jan. 10.
Jeckert, Joseph F., and B. W. Kleinfeld, Clifton, N. J. Material cutting and measuring device. 2,503,051, Apr. 4.
Jedeka, Lloyd W., Montrose, assignor to Mitchell Camera Corporation, Glendale, Calif. Pressure shoe structure for kinetographs. 2,500,358, Mar. 14.
Jeffee, Saul, assignee: *See*—
Carlton, James L., and Menin.
Jefferies, Edward S., Sr., Washington, N. C. Air-cooled incinerator with hot-air heating means. 2,527,934, Oct. 31.
Jefferies, Samuel L., Gaffney, S. C. Impression tray. 2,506,875, May 9.
Jeffers, Charles L., San Antonio, Tex. Carrier shift receiving system. 2,502,154, Mar. 28.
Jeffers, Charles L., San Antonio, Tex. Low-angle radiation antenna. 2,502,155, Mar. 28.
Jeffers, Clayton H., Phoebus, Va. Artillery trainer. 2,497,085, Feb. 14.
Jeffers, Dorothy M., assignor to Jeffers Manufacturing Company, Fresno, Calif. Casting method. 2,500,494, Mar. 14.
Jeffers Electronics, Inc., assignee: *See*—
Parson, William R.
Jeffers Manufacturing Company, assignee: *See*—
Jeffers, Dorothy M.
Jeffers, Oliver B., Wichita, Kans. Vehicle hoist. 2,517,318. Aug. 1.
Jeffers, Perry B., Philadelphia, Pa. Merchandise checking device. 2,531,051, Nov. 21.
Jefferson Electric Company, assignee: *See*—
Berthel, Gust A.
Rickmeyer, Ernst W.

Jefferson, George D., Kennett Square, Pa., and R. D. Fine, Merchantville, N. J., assignors to Atlas Powder Company, Wilmington, Del. Textile sizing composition. 2,495,845, Jan. 31.

Jefferson, Glen V.: *See*—
Logan, John W., Jr., and Jefferson.

Jefferson Standard Broadcasting Company, assignee: *See*—
Norde, Leslie.

Jeffery, George, assignee: *See*—
Collis, Melvin.

Jeffery, Harold E., Penshurst, near Sydney, New South Wales, assignor of part interest to L. B. and J. B. Clarkson, North Sydney, New South Wales, and N. G. Charley, Wahroonza, New South Wales, Australia. Operating and control lever and the like. 2,509,271, May 30.

Jeffery, Justin, assignee: *See*—
Collis, Melvin.

Jeffrey, Douglas C., Jr.: *See*—
Amos, Stephen E., and Jeffrey.

Jeffrey, Forster W.: *See*—
Kirkwood, Ian W. A., Gillhespy, and Wallsend.

Jeffrey, John M.: *See*—
Wentworth, Herbert H., and Jeffrey.

Jeffrey Manufacturing Company, The, assignee: *See*—
Baroody, Eugene M.
Bauroth, Walter J.
Beltz, John S.
Curley, Morton B., and Kilbourne.
Edberg, Norman S.
Fader, Edmund F.
Fowler, John T.
Jackson, Deric W.
Knight, Lloyd K.
Landenberger, Bernard H.
Lee, Arthur L.
Levin, Nils D.
McGovern, Francis E.
Mercier, Stanley M.
Rose, William F.
Whitney, Paul V.
Wright, Fred J.
Yost, Samuel H.

Jeffrey, Max L., Shaker Heights, assignor to The National Acme Company, Cleveland, Ohio. Switch. 2,506,505, May 2.

Jeffrey, Max L., Shaker Heights, Ohio. Portable electric stove. 2,518,015, Aug. 8.

Jeffrey, Max L., Shaker Heights, assignor to The National Acme Company, Cleveland, Ohio. Shockproof relay. 2,523,369, Sept. 26.

Jeffrey, Max L., Shaker Heights, assignor to The National Acme Company, Cleveland, Ohio. Electromagnetic latch trip switch. 2,523,370, Sept. 26.

Jeffreys, George A., assignor of one-half to I. H. Jeffreys, Salem, Va. Fungus enzyme production. 2,505,360, Apr. 25.

Jeffreys, Isabel H., assignee: *See*—
Jeffreys, George A.

Jeffreys, Lloyd G., Meadow, Tex. Winding and reeling device. 2,501,390, Mar. 21.

Jeffries, Carson D., Palo Alto, and H. E. Overacker, San Francisco, Calif., assignors to the United States of America as represented by the Secretary of War. Frequency measuring system. 2,519,765, Aug. 22.

Jeffries, Le Roy J., assignor to C. G. Conn, Ltd., Elkhart, Ind. Snare drum. 2,495,896, Jan. 31.

Jeffries, Leroy J., assignor to C. G. Conn, Ltd., Elkhart, Ind. Fastening device. 2,497,550, Feb. 14.

Jeffries, Victoria A.: *See*—
Brooks, Edra M., and Jeffries.

Jefts, Albert W., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Neutralizing and completely removing salts before distilling crude high-boiling esters. 2,494,133, Jan. 10.

Jelinek, Arthur G., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Alkyl mono-nitrophenyl thionobenzene-phosphonates and insecticidal compositions containing the same. 2,503,390, Apr. 11.

Jelinek, Charles F., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Production of p-nitrobenzene sulfonamido pyrimidines. 2,513,999, July 4.

Jelinek, Donald: *See*—
Keller, Philip B., and Jelinek.

Jelinek, Donald, Los Angeles, and G. C. Frey, Manhattan Beach, Calif., assignors to North American Aviation, Inc. Insulating blanket and forming the same. 2,526,870, Oct. 24.

Jelinek, James F., Milwaukee, Wis. Fish lure. 2,535,211, Dec. 26.

Jelinek, Karel, Blansko, Czechoslovakia. Projection device for presenting and reproducing reading matter. 2,503,740, Apr. 11.

Jelinek, Rudolph, Chicago, Ill. Film viewing device. 2,520,410, Aug. 29.

Jelley, Edwin E., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic print. 2,518,695, Aug. 15.

Jellinek, Max, Muscatine, Iowa. Continuous method and apparatus for determining water in nonelectrolytes. 2,509,303, May 30.

Jelling, Murray: *See*—
Johnson, James M., Mark, and Jelling.

Jencick, Stephen, Chagrin Falls, Ohio. Flexible coupling. 2,502,790, Apr. 4.

Jendresen, Carl J., Mission, Tex. Combination natural and forced draft unit. 2,497,944, Feb. 21.

Jendrisak, Joseph E., Rossford, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Method and apparatus for bending glass sheets. 2,518,896, Aug. 15.

Jendrisak, Joseph E., Rossford, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Apparatus for bending glass sheets. 2,526,359, Oct. 17.

Jendryaszek, Lucian J.: *See*—
Hopkins, Ervin W., Jendryaszek, and Coleman.

Jenett, Caroline L. M., executrix: *See*—
Jenett, Henry.

Jenett, Henry, deceased, Upper Montclair, N. J.; C. L. M. Jenett, executrix of said H. Jenett. Packaging. 2,518,423, Aug. 8.

Jenett, Henry, deceased, Montclair, N. J.; C. L. M. Jenett, executrix of said H. Jenett. Self-sealed package and producing. 2,525,358, Oct. 10.

Jenkin, Fred P., Ilion, N. Y. Plug gauge. 2,517,319, Aug. 1.

Jenkins, Arthur P.: *See*—
Coote, Jack H., and Jenkins.

Jenkins, Cecil: *See*—
Woolslayer, Homer J., Campbell and Jenkins.
Woolslayer, Homer J., and Jenkins.
Woolslayer, Homer J., Jenkins, and Luttgen.

Jenkins, David, Seattle, Wash. Pad holder. 2,504,694, Apr. 18.

Jenkins, Felton S., Philadelphia, Pa. Control system for doors. 2,533,116, Dec. 5.

Jenkins, Glenn L.: *See*—
Christian, John E., and Jenkins.

Jenkins, Gothern M., Doniphan, Mo. Enamel insulation stripping tool. 2,507,017, May 9.

Jenkins, Henry G.: *See*—
Breadner, Robert L., Jenkins, and Simms.

Jenkins, Henry K., Andover, Mass. Tube and bottle cap. 2,513,489, July 4.

Jenkins, James L., Milwaukee, Wis., assignor, by mesne assignments, to Associated Industries, Inc. Rotary brush means for shoe shining machines. 2,534,131, Dec. 12.

Jenkins, Kenneth D., Oakland, Calif. Low drop voltage regulator. 2,519,377, Aug. 22.

Jenkins, M. W., Sons, Inc., assignee: *See*—
Starr, John A.

Jenkins, Orville, Ironton, Ohio. Rotary pruning saw. 2,520,411, Aug. 29.

Jenkins, Otis V., assignor of twenty-three and one-third percent to H. C. Mayo, Sr., twenty-three and one-third percent to H. T. Hicks, and twenty percent to A. G. Bell, Wrightsville, Ga. Peanut and grass harvester. 2,523,024, Sept. 19.

Jenkins, Ralph V., Salt Lake City, Utah. Doorstop. 2,493,292, Jan. 3.

Jenkins, Randolph E., St. Louis, Mo. Mowing machine. 2,509,437, May 30.

Jenkins, Reginald T., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Clapper for telephone ringers. 2,533,465, Dec. 12.

Jenkins, Wayne E., Santa Monica, Calif., assignor to Domestic Thermostat Company. Combined manual, thermostatic, and safety valve unit in burner systems. 2,515,229, July 15.

Jenkins, Wayne E., and T. H. Thiele, Los Angeles, Calif., assignors, by mesne assignments, to Domestic Thermostat Company. Thermostatic control. 2,524,667, Oct. 3.

Jenkins, William C., Inglewood, Calif. Automatic electric tractor guide. 2,496,727, Feb. 7.

Jenkins, William L., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Apparatus for dielectric heat sealing of thermoplastic materials. 2,517,672, Aug. 8.

Jenks, Barton L., Jr., Swarthmore, and G. W. Pentheny, East Lansdowne, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Turbine apparatus. 2,527,446, Oct. 24.

Jenks, Frederic A., Rockville Centre, N. Y., assignor to The Sperry Corporation. High-frequency filter. 2,501,677, Mar. 28.

Jenks, Frederic A., Rockville Centre, N. Y., assignor to The Sperry Corporation. Cross pointer flight instrument. 2,533,262, Dec. 12.

Jenks, Richard H., Sauquoit, and W. Lynes, Westernville, assignors to Revere Copper and Brass Incorporated, Rome, N. Y. Making lead coated copper. 2,525,603, Oct. 10.

Jenman, Alfred G., Seattle, Wash., assignor to L. M. Jenman, Cleveland, Ohio. Calculating device. 2,510,228, June 6.

Jenman, Lora M., assignee: *See*—
Jenman, Alfred G.

Jenne, Frank, Jr., Hoboken, N. J., assignor to General Electric Company. Tantalum electrode for electric discharge devices. 2,508,114, May 16.

Jennen, Jacob J., Antwerp, Belgium, and W. Michaelis, deceased, late of Hollywood, Calif., by H. Michaelis, administratrix, Hollywood, Calif., said J. J. Jennen and W. Michaelis, assignors to B. Gaspar. 3-arylbenzothiazolium quaternary salts and preparing the same. 2,495,260, Jan. 24.

Jenner, Arthur J., Chicago, Ill., assignor to Miller Printing Machinery Co., Pittsburgh, Pa. Synchronous bed motion for printing presses and the like. 2,517,210, Aug. 1.
Jenner, Edward L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Esters of aliphatic monocarboxylic acids and polybutadiene alcohols and preparing the same. 2,533,938, Dec. 12.
Jenner, Edward L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Acetic acid esters of aralkyl alcohols and their production. 2,533,939, Dec. 12.
Jenner, Myron S., New York, N. Y. Method and means for coloring plastic surfaces. 2,527,010, Oct. 24.
Jennings, Alfred J., Bridgeport, and V. E. Luzena, Fairfield, Conn., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Tank lining material. 2,508,262, May 16.
Jennings, Andrew B.: *See*—
Ball, Joseph A., Jennings, and Murray.
Jennings, Andrew B., New Brunswick, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Obtaining color separations from multilayer photographic film. 2,511,112, June 13.
Jennings, Arthur F., Willow Grove, Pa., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Control lever for aircraft and the like. 2,514,212, July 4.
Jennings, Belton E., U. S. Navy. Stretcher float. 2,519,376. Aug. 22.
Jennings, Burgess H., and E. Bigg, Evanston, and F. C. W. Olson, Wilmette, Ill., assignors, by mesne assignments, to Research Corporation, New York, N. Y. Vaporizer. 2,523,371, Sept. 26.
Jennings, Burgess H., and E. Bigg, Evanston, and F. C. W. Olson, Wilmette, Ill., assignors, by mesne assignments to Research Corporation, New York, N. Y. Apparatus for vaporizing liquid. 2,523,372, Sept. 26.
Jennings, Burgess H., and E. Bigg, Evanston, and F. C. W. Olson, Wilmette, Ill, assignors, by mesne assignments, to Research Corporation, New York, N. Y. Apparatus for air sterilization. 2,523,373, Sept. 26.
Jennings, Harley Y.: *See*—
Chase, Harold M., and Jennings.
Jennings, Harry C.: *See*—
Everest, Herbert A., and Jennings.
Jennings, Jo E., assignor to Jennings Radio Mfg. Co., San Jose, Calif. Variable vacuum condenser. 2,511,338, June 13.
Jennings, Lawrence D., and J. Naymik, Sharon, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Drive shaft. 2,495,169, Jan. 17.
Jennings, Oliver S., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrical protective apparatus. 2,523,117, Sept. 19.
Jennings, Lawrence D., and J. Naymik, Sharon, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Thrust bearing. 2,534,910, Dec. 19.
Jennings, Paul A., Baltimore, Md., assignor to Armco Steel Corporation. Stainless steel resistant to leaded fuels at high temperatures. 2,495,731, Jan. 31.
Jennings, Paul A., Baltimore, Md., assignor to Armco Steel Corporation. Internal-combustion engine valve. 2,496,245, Jan. 31.
Jennings, Paul A., Baltimore, Md., assignor to Armco Steel Corporation. High-temperature article. 2,496,246, Jan. 31.
Jennings, Paul A., Baltimore, Md., assignor to Armco Steel Corporation. High-temperature article. 2,496,247, Jan. 31.
Jennings, Paul A., Baltimore, Md., assignor to Armco Steel Corporation. Internal-combustion engine valve. 2,496,248, Jan. 31.
Jennings Radio Mfg. Co., assignee: *See*—
Jennings, Jo E.
Jennings, Sheldon V., New Albany, Ind., assignor to The Girdler Corporation, Louisville, Ky. Dielectric heating apparatus. 2,497,945, Feb. 21.
Jennings, Sheldon V., New Albany, Ind., assignor to The Girdler Corporation, Louisville, Ky. Protective arrangement for highpower electronic tubes. 2,516,215, July 25.
Jennings, William A., assignor to Economy Forms Corporation, Des Moines, Iowa. Clamp device. 2,502,849, Apr. 4.
Jenny, Robert W., East Paterson, assignor to Curtiss-Wright Corporation, Bloomfield, N. J. Constant speed propeller. 2,499,826, Mar. 7.
Jenny, Robert W., East Paterson, N. J., assignor to Curtiss-Wright Corporation. Helicopter lifting rotor mechanism. 2,512,461, June 20.
Jenny, Robert W., East Paterson, assignor to Curtiss-Wright Corporation, Bloomfield, N. J. Trainer control loading device. 2,514,606, July 11.
Jenny, Robert W., East Paterson, assignor to Curtiss-Wright Corporation, Bloomfield, N. J. Overrunning rotary fluid coupling device. 2,534,517, Dec. 19.
Jenny, Walter, Basel, and W. Kern, Sissach, assignors to Ciba Limited, Basel, Switzerland. 1-acylamino-4-[(N-dialkylamino) - sulfonamido - benzoylamino] - anthraquinones. 2,506,023, May 2.
Jenny, Walter, Reinach, near Basel, and W. Kern, Sissach, assignors to Ciba Limited, Basel, Switzerland. 1-benzoylamino - 4 - (3'sulfonamido) - benzoylamino - anthraquinones and their preparation. 2,506,024, May 2.
Jenny, Walter, Reinach, near Basel, and W. Kern, Sissach, assignors to Ciba Limited, Basel, Switzerland. Anthraquinone vat dyestuffs. 2,506,025, May 2.
Jensen, Aage: *See*—
Miller, Theodore, Jensen, and Overturf.
Jensen, Adolph V., Council Bluffs, Iowa. Geared lifting device. 2,524,351, Oct. 3.
Jensen, Alfred L.: *See*—
Oliver, Wallace F., and Jensen.
Jensen, Arthur S., and L. E. Flory, Princeton, N. J., assignors to Radio Corporation of America. Storage tube. 2,503,949, Apr. 11.
Jensen, Carl V. P., Solrod Strand, Denmark. Chance device. 2,507,570, May 16.
Jensen, Einar C., Waterloo, Iowa. Bait retaining attachment for fishhooks. 2,499,145, Feb. 28.
Jensen, George O., Port Orchard, Wash. Swinging cooker. 2,520,412, Aug. 29.
Jensen, Hans A., Lommedalen, near Oslo, Norway. Extensible ski pole. 2,533,733, Dec. 12.
Jensen, Harry T., Milford, and F. E. Hiller, Stratford, assignors to United Aircraft Corporation, East Hartford, Conn. Centrifugal clutch. 2,529,610, Nov. 14.
Jensen, Helge, Flushing, N. Y., assignor, by mesne assignments, to Federal Electric Products Company, Newark, N. J. Meter mount. 2,531,514, Nov. 28.
Jensen, Helge, Flushing, N. Y., assignor, by mesne assignments, to Federal Electric Products Company, Newark, N. J. Insulation support for bus bars. 2,532,845, Dec. 5.
Jensen, Howard M.: *See*—
Bridges, Richard W., and Jensen.
Jensen, Howard M., Huntington, and W. B. Young, Bayport, N. Y. Electrical wall lamp with switch operated by lamp movement. 2,535,421, Dec. 26.
Jensen, Jack H.: *See*—
Rust, David J., and Jensen.
Jensen, James A., Haverford, assignor to Philadelphia Valve Company, Philadelphia, Pa. Pipe or conduit coupling. 2,528,369, Oct. 31.
Jensen, James A., Philadelphia, Pa., assignor to C. E. Frick, J. R. McCoy, J. H. Jensen, J. A. Jensen, E. F. Davis, executor and ancillary executor under the will of G. M. Heller, deceased, G. B. Frick, C. E. Frick, Jr., G. D. Whyte, and F. J. Stackpole, co-partners as their interest may appear therein, trading as Philadelphia Valve Company, Philadelphia, Pa. Balanced valve. 2,516,996, Aug. 1.
Jensen, Jens A., and C. A. Russell, Seattle, Wash. Saw set. 2,494,762, Jan. 17.
Jensen, Jens L.: *See*—
Faber, Knud A., and Jensen.
Jensen, John H., assignee: *See*—
Jensen, James A.
Jensen, Leo D., assignor to Dover Industries, Inc., Chicago, Ill. Belt grinder and polisher. 2,532,500, Dec. 5.
Jensen, Louis M., assignor to E. R. Jarmain & Co. Limited, London, Ontario, Canada. Garment bagging machine with pivotally mounted garment supports and latch means therefor. 2,532,232, Nov. 28.
Jensen, Luhr, Jr.: *See*—
Jensen, Luhr, Sr., and Luhr, Jr.
Jensen, Luhr, Sr., and L. Jensen, Jr., Hood River, Oreg Fishing plug. 2,522,179, Sept. 12.
Jensen Manufacturing Company, assignee: *See*—
Holly, George S.
Pacent, Louis G., Jr.
Jensen, Ole W., Skollerudveien Pr. Sandvika, Norway. Adjustable ski stick. 2,494,878, Jan. 17.
Jensen, Otto, Malvern, assignor to I. T. E. Circuit Breaker Company, Philadelphia, Pa. Clamp tight switch. 2,513,649. July 4.
Jensen, Otto, Malvern, assignor to I. T. E. Circuit Breaker Company, Philadelphia, Pa. Disconnect switch. 2,517,435, Aug. 1.
Jensen, Otto M., assignor to Peerless Machine Company, Racine, Wis. Machine for grinding and sharpening saw blades. 2,497,775, Feb. 14.
Jensen, Otto M., assignor to Peerless Machine Company, Racine, Wis. Chuck. 2,523,374, Sept. 26.
Jensen, Paul J.: *See*—
Seager, John C., and Jensen.
Jensen, Raymond W., assignor to The Garrett Corporation, Airesearch Manufacturing Company Division, Los Angeles, Calif. Cooler failure automatic by-pass valve. 2,509,504, May 30.
Jensen, Raymond W., assignor to The Garrett Corporation, Airesearch Manufacturing Company division, Los Angeles, Calif. Cooler and valve therefor. 2,510,472, June 6.
Jensen, Raymond W., assignor to The Garrett Corporation, Los Angeles, Calif. Temperature control valve for heat exchangers. 2,510,473, June 6.
Jensen, Raymond W., assignor to The Garrett Corporation, Airesearch Manufacturing Company division, Los Angeles, Calif. Cooler and valve therefor. 2,512,800, June 27.
Jensen, Raymond W., assignor to The Garrett Corporation, Airesearch Manufacturing Company division, Los Angeles, Calif. Thermostatic temperature and flow control valve. 2,516,390, July 25.

Jensen, Richard C., Scotia, N. Y., assignor to General Electric Company. Method and apparatus for producing rapid build-up of radio frequency oscillations. 2,498,495, Feb. 21.

Jensen, Søren J. F., Shanghai, China. Degumming and bleaching ramie. 2,530,244, Nov. 14.

Jensen, Willard H., Longview, Tex. Triangle calculator. 2,534,601, Dec. 19.

Jenson, Arthur H., Evanston, Ill. Expansible dispensing device for containers. 2,518,145, Aug. 8.

Jenson, Kenneth S., assignor to Prentiss Wabers Products Co., Wisconsin Rapids, Wis. Combined forced draft and convection air flow space heater. 2,499,067, Feb. 28.

Jeny Corporation, assignee: *See*—
Clark, Joseph C.

Jeppson, George N., Worcester, and W. L. Howe, West Boylston, assignors to Norton Company, Worcester, Mass. Pulpstone. 2,495,656, Jan. 24.

Jeppson, George N., Worcester, E. Van der Pyl, Holden, and W. L. Howe, West Boylston, assignors to Norton Company, Worcester, Mass. Tunnel kiln. 2,519,250, Aug. 15.

Jeppson, George N., Worcester, and E. Van der Pyl, Holden, assignors to Norton Company, Worcester, Mass. Tunnel kiln charging and discharging means. 2,523,025, Sept. 19.

Jeppson, George N., assignor to Norton Company, Worcester, Mass. Electrically heated tunnel kiln. 2,534,518, Dec. 19.

Jepson, Alfred B.: *See*—
Herrala, Carlo O., and Jepson.

Jepson, Ivar, Oak Park, assignor to Sunbeam Corporation, Chicago, Ill. Coffee maker seal. 2,522,372, Sept. 12.

Jepson, Ivar, Oak Park, assignor to Sunbeam Corporation, Chicago, Ill. Case for motor units. 2,530,302, Nov. 14.

Jepson, Ivar, Oak Park, assignor to Sunbeam Corporation, Chicago, Ill. Juice extracting device with vibrating strainer. 2,533,811, Dec. 12.

Jerauld, Frank C., and H. A. MacKnight, Cranston, assignors to Winsor & Jerauld Manufacturing Company, Providence, R. I. Tenter clip. 2,496,475, Feb. 7.

Jergenson, George A., assignor to General Motors Corporation, Detroit, Mich. Domed observation car. 2,519,049, Aug. 15.

Jerguson Gage & Valve Company, assignee: *See*—
Van Ham, Ernest E.
Winton, Lewis B.

Jernberg, Charles L., Worcester, Mass. Razor blade holder. 2,506,220, May 2.

Jernegan, Horace F., Siasconset, Mass. Tool attachment for drill presses. 2,523,573, Sept. 26.

Jernigan, William B., Waskom, Tex. Neon tube and electrode holder. 2,532,406, Dec. 5.

Jernstedt, George W., Belleville, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrodepositing copper, silver, or brass. 2,524,912, Oct. 10.

Jernstedt, George W., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Bright alloy plating. 2,530,967, Nov. 21.

Jero, Allen E., Boise, Idaho. Safety device for bathtubs. 2,502,957, Apr. 4.

Jerome, Arthur L.: *See*—
Pascoe, Frank T., and Jerome.

Jerome, Arthur L., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Coded track circuit railway signaling system. 2,507,717, May 16.

Jerome, Arthur L., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Polarized type of coded track circuits. 2,520,841, Aug. 29.

Jerousek, Frank, Fullerton, Md. Door check. 2,497,611, Feb. 14.

Jervis, Ernest R., South Orange, assignor to National Union Radio Corporation, Orange, N. J. Microwave dynatron oscillator. 2,535,137, Dec. 26.

Jesonis, Alexander, Stratford, Conn. Pipe cutting machine to produce predetermined contours of cuts. 2,528,147, Oct. 31.

Jespersen, Vagn, Copenhagen, Denmark. Bleaching compounds of fatty acids or the like. 2,524,056, Oct. 3.

Jess, Joseph F., Cleveland, Ohio. Automatic cabinet. 2,506,086, May 2.

Jessee, Ralph D.: *See*—
Stump, Clare A., Jr., and Jessee.

Jessen, Chester H., East Palo Alto, Calif. Head outlet. 2,511,339, June 13.

Jessen, Le Roy S., Dayton, Ohio. Tow cable cutter. 2,495,732, Jan. 31.

Jessen, Nicholas C.: *See*—
Carpenter, Otis R., and Jessen.

Jessen, Preben, Ridgefield Park, N. J. Machine for loading and unloading packages. 2,508,861, May 23.

Jesseph, Donald C., Los Angeles, Calif. Stable bituminous emulsion and preparation thereof. 2,494,708, Jan. 17.

Jessop, Robert E. E., West Vancouver, British Columbia, Canada. Rotary roller pump. 2,520,724, Aug. 29.

Jessop, William, & Sons Limited, assignee: *See*—
Harris, Geoffrey T.
Oliver, Donald A.
Whitaker, Cecil E.

Jessup, Alfred C.: *See*—
Ball, Charles J. P., Fox, Jessup, and Emley.
Ball, Charles J. P., Jessup, and Fisher.
Ball, Charles J. P., Jessup, Emley, and Fisher.
Emley, Edward F., and Jessup.
Emley, Edward F., Jessup, and Fisher.

Jessup, Alfred C., Clifton Junction Works, Manchester, and J. B. Wilson, Swinton, Manchester, assignors to Magnesium Elektron Limited, London, England. Composition for introducing zirconium and beryllium solubly into magnesium. 2,497,551, Feb. 14.

Jessup, George W., Waltham, Mass. Gear type fluid clutch. 2,502,092, Mar. 28.

Jessup, James L., Detroit, assignor to Colonial Broach Company, Warren Township, Mich. Index head for rotary spindles. 2,528,753, Nov. 7.

Jessup, Sellers E., Los Angeles, Calif. Reciprocating jaw jar wrench. 2,507,789, May 16.

Jessup, Sellers E., Los Angeles, Calif. Piston. 2,522,229, Sept. 12.

Jester, Verne D., Glendale, Calif. Incinerator with attached drying chamber. 2,515,408, July 18.

Jet Shaft Seals, Inc., assignee: *See*—
Summers, Orran B.

Jewell, Howard W., W. G. Calder, and R. B. Stringfield, assignors to Joints, Inc., Los Angeles, Calif. Pressure pipe joint. 2,530,700, Nov. 21.

Jewell, Joseph W.: *See*—
Keith, Percival C., and Jewell.

Jewell, Joseph W., Summit, assignor to The M. W. Kellogg Company, Jersey City, N. J. Recovery of powdered catalyst in conversion operations on gases or vapors. 2,515,371, July 18.

Jewell, Robert A., assignor to The Steel Products Co., Inc., Savannah, Ga. Brake. 2,525,550, Oct. 10.

Jewett, Charles S., Upper Saddle River, N. J., assignor to Wright Aeronautical Corporation. Shaft seal. 2,500,359, Mar. 14.

Jewett, Charles S., Ramsey, R. A. Loos, Packanack Lake, and E. A. Mehnert, Park Ridge, N. J., assignors to Wright Aeronautical Corporation. Antiicing screen. 2,507,018, May 9.

Jewett, Harold A., assignee: *See*—
Jewett, Nelson J.

Jewett, John L.: *See*—
Welsh, James P., and Jewett.

Jewett, Nelson J., assignee: *See*—
Smith, Blanchard D.

Jewett, Nelson J., Arlington, Va., assignor of one-half to H. A. Jewett. Recorded tone musical instrument and producing records therefor. 2,500,947, Mar. 21.

Jewish Hospital of Brooklyn Research Foundation, Inc., The, assignee: *See*—
Natelson, Samuel, Kramer, and Tekel.

Jezek, Louis F., Temple, Tex. Automatic switch for starting-motors on automobiles. 2,497,222, Feb. 14.

Jiménez, Ramón C., Winthrop, Mass. Automatic relief valve. 2,519,578, Aug. 22.

Jindella, William: *See*—
Schwartzman, Daniel B., and Jindella.

Jindrich, Vaclav, assignee: *See*—
Konůpek, Jindřich.

Jirousek, Joseph F., assignor to The Chandler & Price Company, Cleveland, Ohio. Printing mechanism. 2,495,261, Jan. 24.

Jirsa, Emil F., Waterloo, Iowa, assignor to Deere Manufacturing Co. Fluid pressure control mechanism. 2,508,263, May 16.

Jirsa, Emil F., Waterloo, Iowa, assignor, by mesne assignments, to Deere Manufacturing Co. Fluid pressure motor. 2,510,314, June 6.

Jirsa, Emil F., M. Hansen, and C. W. Bopp, Waterloo, Iowa, assignors to Deere Manufacturing Co. Speed control means for hydraulic mechanisms. 2,532,552, Dec. 5.

Jirsa, Emil F., M. Hansen, and C. W. Bopp, Waterloo, Iowa, assignors to Deere Manufacturing Co. Hydraulic mechanism. 2,533,466, Dec. 12.

Joa, Curt G., Sheboygan Falls, Wis. Bat forming machine and method. 2,510,229, June 6.

Jobe, Charles A., Oakland, Calif. Hydromassage device. 2,529,255, Nov. 7.

Jobe, Joseph H., Seattle, Wash. Shower curtain holder. 2,505,899, May 2.

Jobert, Arthur H., New Britain, Conn. Retracting slide for firearms. 2,503,272, Apr. 11.

Jobes, Charles W.: *See*—
Imes, Paul V., and Jobes.

Jocelyn, Douglas L., Detroit, Mich. Ice tray. 2,494,043, Jan. 10.

Jochem, Theodore B., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Time-delay relay. 2,520,212, Aug. 29.

Jochem, Theodore B., E. W. Seeger, and P. T. Severson, Wauwatosa, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Latching mechanism for electric switches. 2,495,330, Jan. 24.

Jochim, Anton M., Inverness, Mont., assignor to Minn-Kota Manufacturing Company, Moorhead, Minn. Rock picker. 2,519,136, Aug. 15.

Jockisch, Charlie G., Mobile, Ala. Fruit jar top straightener and tightener. 2,505,859, May 2.

Jockisch, Charlie G., Mobile, Ala. Ripping tool. 2,505,860, May 2.

Jodell, Georg E., Prahran, Victoria, Australia, assignor to Aktiebolaget Elektrolux, Stockholm, Sweden. Storage type liquid-heating system. 2,522,373, Sept. 12.
Jodell, Georg E., Prahran, Victoria, Australia, assignor, by mesne assignments, to Aktiebolaget Elektrolux. Heat transfer system employing non-condensible gas. 2,522,374, Sept. 12.
Jodry, Frederic N., Montreal, Quebec, Canada, assignor of thirty percent to J. W. Speaker, Milwaukee, Wis., and fifteen percent to M. H. Moss, Montreal, Quebec, Canada. Lubricating device for elevator drive mechanisms. 2,523,764, Sept. 26.
Jody, Boris A., New York, N. Y. Soft drink mixer. 2,524,628, Oct. 3.
Joeck, Thomas D., Westfield, N. J. Atomizing by supersonic sound vibrations. 2,532,554, Dec. 5.
Joel, Amos E., Jr.: *See*—
Hague, Alfred E., and Joel.
Joel, Amos E., Jr., New York, and R. O. Soffel, Hastings-on-Hudson, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electronic counting. 2,498,081, Feb. 21.
Joel, Lyons B., II, Atlanta, Ga. Bubble blowing device. 2,527,935, Oct. 31.
Joerren, Ernest A., Brooklyn, N. Y. Method and apparatus for making spherical carbon dioxide articles. 2,499,386, Mar. 7.
Joerren, Ernest A., Brooklyn, N. Y., assignor to Specialties Development Corporation, Bloomfield, N. J. Fire extinguishing system and method. 2,525,802, Oct. 17.
Joesting, Frederick D., Oak Park, Ill., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control apparatus. 2,511,340, June 13.
Jofeh, Lionel, Stonehouse, assignor of one-half to A. C. Cossor Limited, London, and one-half to The Sperry Gyroscope Company Limited, Brentford, England. Generator for electrical oscillations. 2,529,876, Nov. 14.
Johannes, Erich H. L., Audubon, assignor to Campbell Soup Company, Camden, N. J. Pump for heterogeneous mixtures. 2,511,637, June 13.
Johanningmeier, Charles E., St. Louis, Mo. Measuring tape with stop. 2,503,440, Apr. 11.
Johanns, Robert M., Syracuse, N. Y. Intermediate drive for phonograph motors. 2,504,199, Apr. 18.
Johannsen, Thorwald W., Buckgrove, Iowa. Corn harvesting mechanism. 2,509,737, May 30.
Johannsen, Udo K., assignor to The Brewer-Titchener Corporation, Cortland, N. Y. Grill. 2,530,166, Nov. 14.
Johansen, Einar K., Oak Park, assignor to Clearing Machine Corporation, Chicago, Ill. Overload device for metalworking presses. 2,522,450, Sept. 12.
Johansen, Einar K., Oak Park, assignor to Clearing Machine Corporation, Chicago, Ill. Pressure or load control device for linkage of metal-working presses. 2,522,451, Sept. 12.
Johansen, Einar K., Oak Park, assignor to Clearing Machine Corporation, Chicago, Ill. Pressure or load control device for metal working presses. 2,522,452, Sept. 12.
Johansen, William, Skaun, near Trondheim, Norway. Control device in fuel injection pump. 2,516,775, July 25.
Johanson, Adolph T.: *See*—
Denker, Charles T., and Johanson.
Johanson, Bengt J., assignor to Cinch Manufacturing Corporation, Chicago, Ill. Radio tube socket. 2,535,578, Dec. 26.
Johanson, John E., and F. O. Boyd, Boonton, N. J. Sun clock. 2,524,706, Oct. 3.
Johanson, Sten, assignor to Universal Camera Corporation, New York, N. Y. Shutter dissolve in slide projectors. 2,519,251, Aug. 15.
Johansson, Alf N., Bleket, Sweden. Vise handle having plural cams to sequentially effect quick-positioning and work-clamping movements of slidable jaws. 2,524,317, Oct. 3.
Johansson, Axel K., E. D. Lindblom and H. I. O. Ohlberger, Finspong, Sweden. Blade ring for radial-flow elastic fluid turbines. 2,498,425, Feb. 21.
Johansson, Carl A., Helenelund, near Stockholm, assignor to Aktiebolaget Cryptoteknik, Stockholm, Sweden. Shifting device for numbering machines. 2,523,765, Sept. 26
Johansson, Ernest G., Belmont, assignor to Anchor Manufacturing Company, Boston, Mass. Reversible jaw for meter boxes and the like. 2,534,449, Dec. 19.
Johansson, Hans-Erik, Lessebo, Sweden. Lamp socket. 2,531,686, Nov. 28.
Johansson, Johan E., assignor to Aktiebolaget Gotaverken, Goteborg, Sweden. Multiple internal-combustion engines of the opposed piston type with clutches and crankshaft synchronizing devices. 2,527,424, Oct. 24.
Johansson, Johan E., assignor to Aktiebolaget Gotaverken, Goteborg, Sweden. Power plant. 2,529,773, Nov. 14.
Johansson, Sven C., Goteborg, Sweden. Corrosion inhibiting compositions. 2,504,200, Apr. 18.
Johansson, Sven C., Goteborg, Sweden. Corrosion inhibiting compositions. 2,532,407, Dec. 5.
John, Alec J.: *See*—
Hammond, Alan R., John, and Page.
John, Frank H., San Francisco, Calif., and R. S. Quimby, Lexington, assignors to Raytheon Manufacturing Company, Newton, Mass. Regulating transformer system. 2,505,620, Apr. 25.
John, Harry J., Philadelphia, Pa. Fractionating column. 2,508,394, May 23.
Johndrew, Wilbur, Buffalo, N. Y. Controlling the movement of a tool. 2,520,316, Aug. 29.
Johner, Hans: *See*—
Schmid, Max, and Johner.
Johns, William H.: *See*—
Elder, Flint C., and Johns.
Johns, Winthrop A.: *See*—
Davis, Harold W., and Johns.
Johns-Manville Corporation, assignee: *See*—
Crawford, James C., Jr.
Greene, Kenneth F.
Holcomb, Harry E.
Mackey, William H., and Wedebrock.
Marenholtz, Pete E.
Miles, William S.
Palumbo, Henry J.
Plauka, John W., and Tucker.
Poltorak, Emil J.
Powell, Edward R.
Quinn, Robert G.
Rankine, Adam S., Jr.
Stafford, William L., and Powell.
Wedebrock, Archibald L.
Ximenez, Manuel R., and Ferguson.
Zettel, Joseph H.
Johnsen, William B., assignor to Rudman & Scofield, Inc., New York, N. Y. Film holder. 2,523,908, Sept. 26.
Johnson, Adolph T., Hutchinson, Kans. Making rye food products. 2,505,407, Apr. 25.
Johnson, Agnar: *See*—
Atwood, James T., and Johnson.
Johnson, Albert L., St. Paul, Minn. and S. A. Kraft, Milwaukee, Wis., assignors to Johnson Power-On Transmission Corporation. Hydraulic transmission control. 2,527,820, Oct. 31.
Johnson, Albert L., St. Paul, Minn., and S. A. Kraft, Milwaukee, Wis., assignors to Johnson Power-On Transmission Corporation, St. Paul, Minn. Hydraulic transmission control. 2,529,160, Nov. 7.
Johnson, Alden A., Minneapolis, Minn. Combined trailer hitch and guard. 2,510,782, June 6.
Johnson, Alfred: *See*—
Burness, Thomas P. N., and Johnson.
Johnson, Alfred, Buffalo, N. Y. Electrical pickup. 2,494,390, Jan. 10.
Johnson, Alfred H., Downey, Calif. Thread retainer and saver. 2,496,945, Feb. 7.
Johnson, Alvin L., Worcester, Mass. Adjustable support structure. 2,526,666, Oct. 24.
Johnson, Andrew, Butte, Mont. Animal trap. 2,502,850, Apr. 4.
Johnson, Andrew, Butte, Mont. Ammunition dispensing device. 2,503,741, Apr. 11.
Johnson, Andrew, and P. Antonioli, Jr., Butte, Mont. Self-cleaning mixer device. 2,515,713, July 18.
Johnson, Archie A., assignor to H. W. Davies, St. Louis, Mo. Air operated gun. 2,505,972, May 2.
Johnson, Arne B.: *See*—
Hanks, Marshall W., and Johnson.
Johnson, Arnold E., assignor to Arvey Corporation, Chicago, Ill. Frame display. 2,512,023, June 20.
Johnson, Arnold E. W., Oak Park, D. B. Baker, Riverside, Ill., and C. F. Crumb, deceased, Clarendon Hills, Ill.; by H. K. Crumb, administratrix, Clarendon Hills, Ill., assignors to International Harvester Company. Harvesting power unit. 2,513,942, July 4.
Johnson, Arnold L., Compton, E. G. Carlson, Long Beach, and F. E. Biasca, Martinez, assignors to Shell Development Company, San Francisco, Calif. Production of desulfurized gasoline. 2,530,701, Nov. 21.
Johnson, Arnold N.: *See*—
Sconce, James S., Johnson, and Rucker.
Johnson, Arthur A., and H. G. Lehmann, assignors to The Red Star Company, Bridgeport, Conn. Clasp. 2,529,453, Nov. 7.
Johnson, Arthur C., San Marino, Calif. Radial arm mounting for power-driven saws. 2,522,789, Sept. 19.
Johnson, Arthur E., assignor of forty one-hundredths to D. K. S. Johnson, St. Louis, Mo. Resiliently mounted reclining chair. 2,532,025, Nov. 28.
Johnson, Arthur E., assignor of forty one-hundredths to D. K. S. Johnson, St. Louis, Mo. Resiliently supported reclining chair. 2,535,138, Dec. 26.
Johnson, Arthur F., Cambridge, Mass., assignor to Reynolds Metals Company, Richmond, Va. Purification of aluminum. 2,512,157, June 20.
Johnson, Arven, Kansas City, Mo. Safety check valve for hydraulic systems. 2,531,274, Nov. 21.
Johnson, Augusta S., New York, N. Y. Girdle. 2,526,360, Oct. 17.
Johnson, Ava J., Oakland, assignor to Shell Development Company, San Francisco, Calif. Production of aromatic hydrocarbons by dehydrogenation of naphthenes. 2,528,693, Nov. 7.
Johnson, Axel E. F., Lombard, assignor to American Hospital Supply Corporation, Evanston, Ill. Bucket holder. 2,531,131, Nov. 21.
Johnson, Balbina A., Scarsdale, and F. L. Meleney, New York, N. Y., assignors to the United States of America as represented by the Secretary of War. Producing bacitracin. 2,498,165, Feb. 21.

Johnson, Bennie J., Bridgeport, Conn. Screw holding screw driver. 2,531,515, Nov. 28.
Johnson, Berd L., Billings, Mont. Bore finishing tool. 2,535,637, Dec. 26.
Johnson, Bernard: *See*—
Foster, Henry C., and Johnson.
Johnson, Bert H., Moline, assignor to Quad-City Engineering Co., Rock Island, Ill. Can opener. 2,532,553, Dec. 5.
Johnson, Birger L., Jr.: *See*—
Dunn, Cecil G., and Johnson.
Johnson, Carl A., deceased, Miami, Fla., by H. R. and W. A. Johnson, sole heirs; said H. R. Johnson assignor to said W. A. Johnson. Ileostomy bottle. 2,528,227, Oct. 31.
Johnson, Carl A. P., North Quincy, and A. T. Morrison, South Braintree, assignors to S. H. Couch Company, Inc., North Quincy, Mass. Electrical apparatus. 2,500,184, Mar. 14.
Johnson, Carl E.: *See*—
Adams, Chester E., and Johnson.
Harban, Arthur A., and Johnson.
Johnson, Carl E., Idaho Falls, Idaho. Potato harvesting machine. 2,532,314, Dec. 5.
Johnson, Carl E., St. Louis, Mich., and C. E. Adams, Highland, Ind., assignors to Standard Oil Company, Chicago, Ill. Halogenated m-di-tert-butylbenzenes. 2,521,850, Sept. 12.
Johnson, Carl E., St. Louis, Mich., and R. C. Waugh, Boulder, Colo., assignors to Standard Oil Company, Chicago, Ill. Phenolic condensation product. 2,530,772, Nov. 21.
Johnson, Carl E., Griffith, and A. A. Harban, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Extraction of aromatic and sulfur compounds. 2,522,618, Sept. 19.
Johnson, Carl G., assignor to J. P. Seeburg Corporation, Chicago, Ill. Slotted turntable automatic phonograph. 2,506,925, May 9.
Johnson, Carl G., assignor to J. P. Seeburg Corporation, Chicago, Ill. Automatic phonograph. 2,506,926, May 9.
Johnson, Carl G., assignor to J. P. Seeburg Corporation, Chicago, Ill. Automatic phonograph. 2,519,579. Aug. 22.
Johnson, Carl H., Cadogan, Alberta, assignor of one-third to G. Martfeld, and one-third to D. Martfeld, Luseland, Saskatchewan, Canada. Wind turbine. 2,510,501, June 6.
Johnson, Carl J., Marinette, Wis. Roller skate. 2,525,905, Oct. 17.
Johnson, Carl S., Seattle, Wash. Knife with reversible blade. 2,507,019, May 9.
Johnson, Carl V.: *See*—
Doyle, Irving W., and Johnson.
Johnson, Carl W. and F. L., Sheridan, Wyo. Livestock operating table. 2,518,146, Aug. 8.
Johnson, Carroll L.: *See*—
Moore, Harry H., and Johnson.
Johnson, Carroll W., Chicago, and J. T. Clark, Cicero, Ill. Dental chair unit. 2,498,550, Feb. 21.
Johnson, Charles C., and R. E. Thomas, Newburgh, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Fire-resistant opaque window shade material and making same. 2,494,391, Jan. 10.
Johnson, Charles D., assignor to Johnson Steel & Wire Company, Inc., Worcester, Mass. Adjustable mounting for wire drawing dies. 2,526,237, Oct. 17.
Johnson, Charles D., assignor to Johnson Steel & Wire Company, Inc., Worcester, Mass. Apparatus for controlling the passage of wire through a sand pan. 2,531,132. Nov. 21.
Johnson, Charles E., assignor to Brown & Bigelow, St. Paul, Minn. Machine for testing snap and recovery of sheet material. 2,510,401, June 6.
Johnson, Charles E., Richmond, Va., and E. E. Woller, Kenosha, Wis., assignors to Simmons Company. Electric blanket sewing machine. 2,518,147, Aug. 8.
Johnson, Charles E. and G. O., Portland, Oreg. Gaff hook. 2,527,133, Oct. 24.
Johnson, Charles J., Sacramento, Calif. Hand actuated pruning shears. 2,512,334, June 20.
Johnson, Charles M., assignor to R. C. Johnson, Jr., Lubbock, Tex. Splash shield closing means for acetylene generators. 2,533,117, Dec. 5.
Johnson, Charles P.: *See*—
Knoy, Marion F., and Johnson.
Johnson, Charles R.: *See*—
Reinhardt, Henry A., and Johnson.
Johnson, Charles R., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Simultaneous recovery of styrene, etc., and concentration of latex. 2,514,207, July 4.
Johnson, Charles W.: *See*—
Dreyling, Alfred, and Johnson.
Sporing, Percy A., and Johnson.
Johnson, Chester H., Minneapolis, Minn. Golf club case, 2,508,264, May 16.
Johnson, Chester W., assignor to Roller Electric & Manufacturing Co., Inc., Bridgewater, Mass. Arc-reducing roll-contact for general electrical contact use. 2,521,521, Sept. 5.
Johnson, Clarence, South Euclid, Ohio, assignor to Bailey Meter Company. Fluid separating and pressure reducing apparatus. 2,509,505, May 30.
Johnson, Clarence, South Euclid, Ohio, assignor to Bailey Meter Company. Control apparatus. 2,524,446, Oct. 3.
Johnson, Clarence, South Euclid, Ohio, assignor to Bailey Meter Company. Control valve for fluid servomotors. 2,526,361. Oct. 17.
Johnson, Clarence L., Encino, W. M. Hawkins, Jr., North Hollywood, and A. B. Storey, Jr., Glendale, assignors to Lockheed Aircraft Corporation, Burbank, Calif. Aircraft engine and fuselage arrangement. 2,504,421, Apr. 18.
Johnson, Clarence L., Encino, W. M. Hawkins, Jr., North Hollywood, and A. B. Storey, Jr., Glendale, assignors to Lockheed Aircraft Corporation, Burbank, Calif. Aircraft engine and fuselage arrangement. 2,504,422, Apr. 18.
Johnson, Claude H., Pontiac, Mich. Lifting jack. 2,504,201, Apr. 18.
Johnson, Claude U., Lakewood, Ohio. Display apparatus. 2,507,857, May 16.
Johnson Corporation, The, assignee: *See*—
Monroe, Rollo O.
Monroe, Rollo O., and Hieronymus.
Johnson, Corydon M., Freeport, N. Y. Rivet. 2,499,315, Feb. 28.
Johnson, Curt I., and K. R. Stauss, Vestal, assignors to International Business Machines Corporation, New York, N. Y. Electromagnetic step-by-step switch. 2,531,882, Nov. 28.
Johnson, Dallas H., Lakewood, Ohio. Device for binding the edges of lantern slide assemblies or similar articles. 2,528,754, Nov. 7.
Johnson, David W., New Britain, assignor to The Arrow-Hart & Hegemann Electric Company, Hartford, Conn. Sequence switch device. 2,496,164, Jan. 31.
Johnson, David W., New Britain, assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Push-pull selector switch with key locking arrangement. 2,508,067, May 16.
Johnson, Donald E., Portland, Oreg. Street car grab handle. 2,500,415, Mar. 14.
Johnson, Dorothy K. S., assignee: *See*—
Johnson, Arthur E.
Johnson, Earl M., assignee: *See*—
Luton, Dempsey A.
Johnson, Earl R.: *See*—
Cardwell, Harland W., and Johnson.
Johnson, Earl R., and H. W. Cardwell, assignors to Cardwell Manufacturing Company, Inc., Wichita, Kans. Cooled disk-type brake. 2,518,016, Aug. 8.
Johnson, Edward A., Taunton, Mass. Cravat holder. 2,510,286, June 6.
Johnson, Edward A. M., Cape Town, Union Of South Africa. Machine for applying polish to floors and like surfaces. 2,499,026, Feb. 28.
Johnson, Edward L., South Orange, assignor to The Palnut Company, Irvington, N. J. Adjustable inductance device or the like. 2,497,456, Feb. 14.
Johnson, Edward L., South Orange, assignor to The Palnut Company, Irvington, N. J. Shield can with spring attachment means. 2,531,911, Nov. 28.
Johnson, Edward W.: *See*—
Lehane, Timothy J., and Johnson.
Johnson, Edwin A., Washington, D. C. Ultra high frequency apparatus. 2,520,148, Aug. 29.
Johnson, Effie B., executrix: *See*—
Johnson, Robert A.
Johnson, Ellis A., Chevy Chase, Md. Submarine detecting device. 2,535,068, Dec. 26.
Johnson, Ellsworth T., assignor to Deere & Company, Moline, Ill. Power actuating means for dump rakes and the like. 2,526,028, Oct. 17.
Johnson, Elmer C., assignor, by mesne assignments, to The Vendo Company, Kansas City, Mo. Refrigerating structure for vending machines. 2,626,667, Oct. 24.
Johnson, Elmer G., Hibbing, Minn. Bobber for fishing lines. 2,493,971, Jan. 10.
Johnson, Elvin, Orlando, Fla. Rivet cutter. 2,527,735, Oct. 31.
Johnson Engineering and Manufacturing Co., assignee: *See*—
McGee, George.
Johnson, Ernest E., Jamestown, Ind. Lathe tool support. 2,524,170, Oct. 3.
Johnson, Ernest O., Haddonfield, N. J., assignor to Radio Corporation of America. Mounting television receiving antennas. 2,495,972, Jan. 31.
Johnson, Ernest W., Mountainside, N. J., assignor to Metal & Thermit Corporation, New York, N. Y. Stabilized chlorinated esters of fatty acids. 2,524,528. Oct. 3.
Johnson, Ernest W., Everett, assignor to Transducer Corporation, South Boston, Mass. Magnetic motor for visual indicator units. 2,499,316, Feb. 28.
Johnson, Ervin T., Huron, S. Dak. Sewing-machine attachment. 2,533,467, Dec. 12.
Johnson, Ethne: *See*—
Feency, Ethyne V.
Johnson, Evan A., Jr., assignor to Hydrocarbon Research, Inc., New York, N. Y. Apparatus for feeding gas into molten metal baths. 2,506,598, May 9.
Johnson, Everard L., Patchogue, N. Y. Chair and tray. 2,521,223. Sept. 5.
Johnson, Everard L., Pachogue, N. Y. Infant's chair. 2,535,212, Dec. 26.

Johnson, Everett A., Park Ridge, assignor to Standard Oil Company, Chicago, Ill. Separation of organic oxygenated compounds from hydrocarbons. 2,535,069, Dec. 26.
Johnson, Evert F., assignor to The Pennzoil Company, Oil City, Pa. Machine for enabling systematized customer notification service. 2,532,364, Dec. 5.
Johnson, Evert F., assignor to The Pennzoil Company, Oil City, Pa. Record card. 2,532,365, Dec. 5.
Johnson, Evert F., assignor to The Pennzoil Company, Oil City, Pa. Mechanism for addressing and applying postage stamps to mailing pieces. 2,532,366, Dec. 5.
Johnson, Finch L.: *See*—
Johnson, Carl W. and F. L.
Johnson, Forest W., Mechanicsville, Iowa. Trash knife. 2,519,766, Aug. 22.
Johnson, Frank B., Baton Rouge, La., assignor to Standard Oil Development Company. Catalytic cracking of diisobutylene. 2,498,840, Feb. 28.
Johnson, Frank B., Baton Rouge, La., assignor to Standard Oil Development Company. Simultaneous hydrogenation and dehydrogenation. 2,502,958, Apr. 4.
Johnson, Frank J., Chester, Pa. Guide structure for flush valve stems. 2,525,299, Oct. 10.
Johnson, Fred, Seattle, Wash. Catch. 2,510,582, June 6.
Johnson, Fred H., Chicago, Ill., assignor to Carnegie-Illinois Steel Corporation. Regenerative hot-blast system. 2,505,861, May 2.
Johnson, Fred N., Portland, Oreg., and H. D. Ault, Walla Walla, Wash., assignors to Armco Steel Corporation. Pipe coupling. 2,526,754, Oct. 24.
Johnson, Fred O., Anchorage, Alaska. Making refractory molds. 2,533,585, Dec. 12.
Johnson, Fred W., San Diego, Calif. Power fish spear. 2,530,434, Nov. 21.
Johnson, Frederick O., Chicago, Ill., assignor to International Harvester Company. Containing unit. 2,532,066, Nov. 28.
Johnson, Frederick W., Fort Lauderdale, Fla., and C. A. Cornell, Johnstown, Ohio; said Johnson assignor to said Cornell. Artificial fish bait or lure. 2,503,672, Apr. 11.
Johnson, Frithiof V., Schenectady, N. Y., assignor to General Electric Company. Gyro vertical. 2,513,329, July 4.
Johnson, George A., New York, N. Y., assignor to American Viscose Corporation, Wilmington, Del. Tubular fabric spreader. 2,507,599, May 16.
Johnson, George C.: *See*—
Caesar, Philip D., Johnson, and Brooks.
Johnson, George L., New York, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated. Apparatus for hydrocarbon conversion. 2,493,672, Jan. 3.
Johnson, George L., New York, N. Y., and W. A. Hagerbaumer, Westfield, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Heater. 2,493,970, Jan. 10.
Johnson, George L., New York, J. Happel, Brooklyn, and J. W. McKee, New York, N. Y., assignors to Socony-Vacuum Oil Company, Incorporated. Contacting apparatus. 2,503,202, Apr. 4.
Johnson, George L., New York, and J. Happel, Brooklyn, N. Y., and W. A. Hagerbaumer, Westfield, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Method and apparatus for heating granular solids. 2,519,315, Aug. 15.
Johnson, George M. Port Angeles, Wash., assignor to Rayonier Incorporated, New York, N. Y. Log barker having water-jets oscillatable about longitudinal log axis. 2,501,848, Mar. 28.
Johnson, George O.: *See*—
Johnson, Charles E. and G. O.
Johnson, George T., assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Antitelescoping coupler. 2,533,940, Dec. 12.
Johnson, George V., assignor to Hyster Company, Portland, Oreg. Vehicle mounted crane. 2,510,636, June 6.
Johnson, George W., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Slack take-up means for sleeve presses. 2,521,374, Sept. 5.
Johnson, George W., assignor to The American Laundry Company, Cincinnati, Ohio. Conveyer type washing machine. 2,523,304, Sept. 26.
Johnson, George W., Cincinnati, assignor to The American Laundry Machinery Company, Norwood Station, Cincinnati, Ohio. Conveyer type washing machine. 2,523,305, Sept. 26.
Johnson, Glenn D., Compton, Calif. Traveling block. 2,502,570, Apr. 4.
Johnson, Glenn D., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Narrow ware shuttle. 2,515,653, July 18.
Johnson, Glenn D., Compton, assignor to Baash-Ross Tool Company, Los Angeles, Calif. Casing head. 2,532,408, Dec. 5.
Johnson, Gordon, Company, assignee: *See*—
Johnson, Gordon W.
Johnson, Gordon W., Overland Park, Kans., assignor to Gordon Johnson Company, Kansas City, Mo. Egg washing machine. 2,502,728, Apr. 4.
Johnson, Gordon W., Raytown, assignor to Gordon Johnson Company, Kansas City, Mo. Poultry shackle. 2,533,941, Dec. 12.
Johnson, Gust, assignee: *See*—
Hanson, Arnold B.
Johnson, Guy R., Rochester, Minn. Wheel block. 2,517,673, Aug. 8.
Johnson, Harold L., assignor to W. H. Nicholson & Company, Wilkes-Barre, Pa. Thermostatic steam trap. 2,513,875, July 4.
Johnson, Harry G., and L. M. Kalous, Oshkosh, Wis., assignors to United States Motors Corporation. Boat rudder and reversible pitch propeller assemblage. 2,528,755, Nov. 7.
Johnson, Harry H., Brookline, Mass. Shoe with interlaced vamp elements. 2,534,975, Dec. 19.
Johnson, Harry J., Ocean Grove, N. J. Ornamental lamp. 2,521,851, Sept. 12.
Johnson, Harry O., Donora, Pa., assignor to The American Steel and Wire Company of New Jersey. Tuyère structure. 2,497,000, Feb. 7.
Johnson, Harry V., and H. C. Stieber, Niagara Falls, N. Y., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Electrode joint. 2,510,230, June 6.
Johnson, Harwick, Princeton, N. J., assignor to Radio Corporation of America. Coaxial electron discharge device. 2,506,644, May 9.
Johnson, Helge: *See*—
Mohrlock, David, and Johnson.
Johnson, Henry A., Kansas City, Mo. Filling containers and apparatus therefor. 2,493,583, Jan. 3.
Johnson, Henry V., Sharon, assignor to Westinghouse Electric Corporation. Relief device. 2,525,487, Oct. 10.
Johnson, Herbert C., Wilmette, Ill. Juice extractor. 2,511,984, June 20.
Johnson, Herbert F., and E. S. McLoud, assignors to S. C. Johnson & Son, Inc., Racine, Wis. Refining of vegetable wax powder. 2,527,481, Oct. 24.
Johnson, Herbert L., Media, Pa., and F. J. Bondhus, Oskaloosa, Iowa, assignors to Sun Oil Company, Philadelphia, Pa. Alcohol derived from 1-vinylcyclohexene-3. 2,513,179, June 27.
Johnson, Herbert L., Media, and A. P. Stuart, Norwood, assignors to Sun Oil Company, Philadelphia, Pa. Vinylcyclohexene hydrochlorides. 2,499,505, Mar. 7.
Johnson, Herbert L., Media, and A. P. Stuart, Norwood, assignors to Sun Oil Company, Philadelphia, Pa. Thiocyanated ether of 4-vinylcyclohexene and its preparation. 2,507,471, May 9.
Johnson, Herbert L., Media, and A. P. Stuart, Norwood, assignors to Sun Oil Company, Philadelphia, Pa. Thiocyanoacetate derivative of 4-vinylcyclohexene. 2,507,472, May 9.
Johnson, Herbert L., Media, and A. P. Stuart, Norwood, assignors to Sun Oil Company, Philadelphia, Pa. Chlorination of 1-vinylcyclohexene-3. 2,518,017, Aug. 8.
Johnson, Herman K., Grand Haven, Mich., assignor to The Bastian-Blessing Company, Chicago, Ill. Water cooler. 2,500,684, Mar. 14.
Johnson, Herman K., Grand Haven, Mich., assignor to The Bastian-Blessing Company, Chicago, Ill. Article refrigeration. 2,529,470, Nov. 7.
Johnson, Hilma R., heir: *See*—
Johnson, Carl A.
Johnson Hinge Company, assignee: *See*—
Burton, Robert A.
Johnson, Howard A.: *See*—
Locke, Burton H., and Johnson.
Johnson, Howard A., Melrose, Mass. Guard for lawn mowers. 2,499,922, Mar. 7.
Johnson, Howard L., Los Angeles, Calif. Copyholder. 2,530,702, Nov. 21.
Johnson, Ira H.: *See*—
Kliever, Waldo H., and Johnson.
Johnson, Jack, Hereford, Tex. Tractor hitch. 2,510,179, June 6.
Johnson, Jack, assignor to Lou Son Development Co., Long Beach, Calif. Surge damper for hydraulic systems. 2,501,773, Mar. 28.
Johnson, James D., Baltimore, Md. Tape dispenser. 2,528,958, Nov. 7.
Johnson, James E., and C. R. Yirava, assignors to Benjamin Reel Products, Inc., Cleveland, Ohio. Reel. 2,530,773, Nov. 21.
Johnson, James M., and F. L. Mark, New York, and M. Jelling, Brooklyn, N. Y., assignors to Nostrip, Inc. Surface active composition and making. 2,514,954, July 11.
Johnson, James P., Cleveland, assignor to The Aro Equipment Corporation, Bryan, Ohio. Portable power-driven screw setter with screw feeding means. 2,506,835, May 9.
Johnson, James P., Shaker Heights, Ohio. Hydraulic pump. 2,501,947, Mar. 28.
Johnson, James W., Woburn, assignor to Macalaster Bicknell Company, Cambridge, Mass. Tube valving clamp. 2,519,909, Aug. 22.
Johnson, Jerome A., assignor to Arvey Corporation, Chicago, Ill. Article dispensing container. 2,497,455, Feb. 14.
Johnson, John, Brockton, Mont. Windrow pickup machine. 2,502,046, Mar. 28.
Johnson, John, Brockton, Mont. Windrow pickup machine. 2,502,047, Mar. 28.
Johnson, John, assignor to Combined Optical Industries Limited, Slough, England. Molding of plastics. 2,532,501, Dec. 5.

Johnson, John, Spokane, Wash. Fluid-sustained and fluid-propelled airplane. 2,502,045, Mar. 28.
Johnson, John, Vashon, Wash. Vehicle seat. 2,522,873, Sept. 19.
Johnson, John A., Crawfordsville, Ind. Screw type closure for container pivotally supporting a resiliently mounted pressure closure for adjacent opening. 2,505,406, Apr. 25.
Johnson, John B., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Producing fluorescent screens. 2,527,134, Oct. 24.
Johnson, John C., East Hempstead, N. Y., and W. H. Johnson, Newmanstown, Pa. Discharge means for receptacle closure cap hoppers. 2,506,791, May 9.
Johnson, John C., East Hempstead, N. Y., and W. H. Johnson, Newmanstown, Pa. Apparatus for assembling sealing pads in receptacle closure caps. 2,522,577, Sept. 19.
Johnson, John F., Middletown, Calif. Cutting gauge for hair clippers. 2,502,791, Apr. 4.
Johnson, John G., Tacoma, Wash. Aquatic device. 2,509,001, May 23.
Johnson, John G. A., New York, N. Y. Apparatus for drying and expediting the setting of plastic concrete. 2,529,500, Nov. 14.
Johnson, John G. A., New York, N. Y. Apparatus and method for removing excess mixing water from plastic concrete. 2,533,263, Dec. 12.
Johnson, John L.: *See*—
Boykin, John R., and Johnson.
Petrick, Harry E., and Johnson.
Johnson, John M., Saco, Maine. Combined mop and wringer head. 2,495,846, Jan. 31.
Johnson, John R., Ithaca N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymer containing extralinear hydantoin rings from monoolefin/carbon monoxide polymer. 2,527,821, Oct. 31.
Johnson, John R., Alton, and R. D. Duff, Streator, Ill., assignors to Owens-Illinois Glass Company. Gas treating apparatus for hollow glass articles. 2,515,372, July 18.
Johnson, John S., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Testing apparatus for generator winding insulation. 2,525,413, Oct. 10.
Johnson & Johnson, assignee: *See*—
Adams, Whitney R.
Byrd, Walter J.
Davis, Herbert L., and Tringali.
Eberl, James J., and George.
Rynkiewicz, Henry J.
Wing, Henry J.
Johnson, Joyce L.: *See*—
Linkletter, Olive-Sue, and Johnson.
Johnson, Julius E., Jr., Midland, and D. R. Mussell, Clare, assignors to The Dow Chemical Company, Midland, Mich. Dihydroxydiphenyl coccidiosis control composition. 2,532,333, Nov. 28.
Johnson, Julius E., Jr., Midland, and D. R. Mussell, Clare, assignors to The Dow Chemical Company, Midland, Mich. Diphenol compound composition for coccidiosis control. 2,535,014, Dec. 19.
Johnson, Julius E., Jr., Midland, and D. R. Mussell, Clare, assignors to The Dow Chemical Company, Midland, Mich. Diphenol compound composition for coccidiosis control. 2,535,015, Dec. 19.
Johnson, Julius M., Lincoln, Nebr. Shower bath helmet. 2,515,959, July 18.
Johnson, Karl G.: *See*—
Nilsson, Nils E., and Johnson.
Johnson, Karl M.: *See*—
Luton, Dempsey A., and Johnson.
Johnson, Karl R., Rockford, Ill. Vanity bench and mirror. 2,531,217, Nov. 21.
Johnson, Kenneth A., San Bernardino, Calif. Tether ball game apparatus. 2,496,795, Feb. 7.
Johnson, Kenneth S., South Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electroacoustic system and means. 2,516,776, July 25.
Johnson, Kenneth S., South Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electroacoustic system and means. 2,535,681, Dec. 26.
Johnson, L. Edward, Rochelle, Ill. Twin guards, storm sash, and screen construction. 2,502,010, Mar. 28.
Johnson, Lauren L., La Grange, Ill., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Tilting induction furnace. 2,504,840, Apr. 18.
Johnson, Leon H., assignor to Struthers Wells Corporation, Warren, Pa. Machine for flanging cylindrical shells. 2,498,686, Feb. 28.
Johnson, Leonard R. J.: *See*—
White, Eric L. C., Nind, and Johnson.
Johnson, Lewis J., Los Angeles, Calif. Fastening device for windows and doors. 2,527,736, Oct. 31.
Johnson, Lilah B., assignee: *See*—
Northquist, Clarence T.
Johnson, Lloyd E., Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif. Fuel injection pump control. 2,521,919, Sept. 12.
Johnson, Lloyd F., assignee: *See*—
Mauch, Fred A.
Johnson, Lyman B., Cleveland Heights, Ohio, assignor to General Electric Company. Electric discharge device and electrode therefor. 2,499,506, Mar. 7.
Johnson-March Corporation, assignee: *See*—
Mau, George A.
Johnson, Margaret W., administratrix: *See*—
Wilson, Rubye A. J.
Johnson, Marion J. assignee: *See*—
Fleak, Glen D.
Johnson, Maurice D. S., North Kansas City, assignor to Staley Milling Company, Kansas City, Mo. Display sign for stacked mechandise. 2,498,956, Feb. 28.
Johnson, Merriam E., and H. G. Warren, assignors, by mesne assignments, to Eastman Kodak Company, Rochester, N. Y. Apparatus and process for evacuating electronic tubes and the like. 2,532,315, Dec. 5.
Johnson, Merrill H. and W. H., Moravia, Iowa. Sharpener for shears. 2,504,423, Apr. 18.
Johnson, Milton E., Prospect Park, Pa., assignor to the United States of America as represented by the United States Atomic Energy Commission. Stuffing box and expansion joint. 2,528,436, Oct. 31.
Johnson, Montgomery H., Boston, Mass., and W. W. Hansen, Garden City, N. Y., assignors to The Sperry Corporation. Wave guide impedance transformer. 2,531,437, Nov. 28.
Johnson, Montgomery H., Jr., Boston, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Bridge for measuring electromagnetic wave energy. 2,496,541, Feb. 7.
Johnson, Moses, Indianapolis, Ind. Illuminated hand held motor tool. 2,517,882, Aug. 8.
Johnson, Nels: *See*—
Sunstein, David E., and Johnson.
Johnson, Nels H., and H. A. Andrews, Southbridge, Mass. Doorstop and catch assembly. 2,530,365, Nov. 14.
Johnson, Nils, Silver Spring, Md. Releasable cargo hook. 2,523,434, Sept. 26.
Johnson, Norman, assignee: *See*—
Wineland, Earl W.
Johnson, Ogden, Bronxville, assignor to Ford, Bacon & Davis, Inc., New York, N. Y. Making culinary mixes. 2,499,586, Mar. 7.
Johnson, Ole, Rolla, N. Dak. Windrower trailer. 2,509,824, May 30.
Johnson, Oliver W.: *See*—
Newton, Amos S., and Johnson.
Papalexis, James, and Johnson.
Johnson, Orric V., Erie, Pa. Grooving tool. 2,520,639, Aug. 29.
Johnson, Oscar: *See*—
Peck, Robert L., and Johnson.
Johnson, Oscar H., Chicago, Ill. Window construction. 2,511,341, June 13.
Johnson, Oscar I., Chicago, Ill. Ornamental attachment for electric lamps or the like. 2,513,565, July 4.
Johnson, Otto C., Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Preparing and packaging bacon. 2,528,832, Nov. 7.
Johnson, Paul H.: *See*—
Helmers, Carl J., and Johnson.
Ray, Gardner C., and Johnson.
Johnson, Paul H., Bartlesville, Okla., assignor to Phillips Petroleum Company. Treatment of synthetic gasoline. 2,501,223, Mar. 21.
Johnson, Paul Y., Springfield, Mass. Sectional top knock-down table. 2,504,531, Apr. 18.
Johnson, Peter C., Lanesboro, Minn. Axially shifting type jack operated tire remover. 2,508,520, May 23.
Johnson Power-On Transmission Corporation, assignee: *See*—
Johnson, Albert L., and Kraft.
Johnson, Quinton C., Gardena, Calif., assignor to North American Aviation, Inc. Gun blast seal. 2,514,495, July 11.
Johnson, Ralph B., Houston, Tex. Keyless cutoff box. 2,511,209, June 13.
Johnson, Ralph E., Lancaster, Pa., assignor to Radio Corporation of America. Gun structure for cathode-ray tubes. 2,498,082, Feb. 21.
Johnson, Ralph E., Rahway, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Rotary take-up for sewing machines. 2,509,600, May 30.
Johnson, R. C., Jr., assignee: *See*—
Johnson, Charles M.
Wallace, William M.
Johnson, Reynold B.: *See*—
Geiger, Edward F., and Johnson.
Johnson, Reynold B., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Counting mechanism. 2,502,959, Apr. 4.
Johnson, Reynold B., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Record controlled punching machine. 2,502,960, Apr. 4.
Johnson, Reynold B., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Printing character forming wires. 2,524,127, Oct. 3.
Johnson, Reynold B., and E. F. Geiger, Binghamton, assignors to International Business Machines Corporation, New York, N. Y. Secondary timekeeping apparatus. 2,510,583, June 6.
Johnson, Richard A., West Union, Iowa. Clutch-head torque indicating wrench. 2,529,947, Nov. 14.
Johnson, Richard H.: *See*—
Haines, William J., and Johnson.

Johnson, Robert, Verona, assignor to Koppers Company, Inc., Pittsburgh, Pa. Chemical process. 2,507,527, May 16.
Johnson, Robert A., deceased, Longmeadow, Mass.; E. B. Johnson, executrix of said R. A. Johnson, assignor to Westfield Metal Products Co., Inc. Apparatus for making wrench nuts. 2,530,968, Nov. 21.
Johnson, Robert A., deceased, Longmeadow, Mass;, E. B. Johnson, executrix of said R. A. Johnson, assignor to Westfield Metal Products Co., Inc. Welding clamp. 2,530,969, Nov. 21.
Johnson, Robert B., Jr., Melrose, Mass., assignor to General Electric Company. High-temperature alloy. 2,515,774, July 18.
Johnson, Robert E.: *See*—
Anderson, Lloyd L., and Johnson.
Johnson, Robert F., Wenatchee, Wash. Rotary display rack. 2,515,925, July 18.
Johnson, Robert H.: *See*—
Borchert, Clarence A., and Johnson.
Johnson, Robert H., Reading, assignor to Temple Full Fashioned Hosiery Mills, Inc., Temple, Pa. Yarn tension equalizing means. 2,514,582, July 11.
Johnson, Rolly A.: *See*—
Snyder, Everett S., and Johnson.
Johnson, Roy G., Moline, Ill., assignor of one-half to A. Altiery, Washington, D. C. Window construction. 2,535,496, Dec. 26.
Johnson, Roy M., Beaufort, assignor to The Blue Channel Corporation, Port Royal, S. C. Recovery of crab meat. 2,522,578, Sept. 19.
Johnson, Roy M., Beaufort, assignor to The Blue Channel Corporation, Port Royal, S. C. Apparatus for recovery of crab meat. 2,525,604, Oct. 10.
Johnson, Roy W., Detroit, Mich. Catadioptric reflex reflecting lens. 2,498,426, Feb. 21.
Johnson, Roy W., Milwaukee, Wis. Pilot fuel flow control. 2,496,214, Jan. 31.
Johnson Rubber Company, The, assignee: *See*—
Medford, Rolland E.
Johnson, Ruth M., Phoenix, Ariz. Garment collar lining shield. 2,514,646, July 11.
Johnson, S. C., & Son, Inc., assignee: *See*—
Buckman, Alfred F., Jr., and Rendall.
Dederich, Fred S.
Johnson, Herbert F., and McLoud.
Kersh, Ralph C.
Newhall, Joseph F. P., and Bridgeman.
Pressing, Robert W., and Pettibone.
Swenson, Oscar J.
Whyte, Donald E.
Johnson, Samuel G.: *See*—
Foley, Harold F., and Johnson.
Johnson, Scott R.: *See*—
Cameron, Allan M., and Johnson.
Johnson, Selma E., Brooklyn, N. Y. Safety device for hand-carried articles. 2,522,719, Sept. 19.
Johnson Service Company, assignee: *See*—
Davies, Idris I.
Hilgert, Adolph J.
Johnson, Seymour J., Madison, Wis., dedicated to the free use of the People in the Territory of the United States. Wood element hygrostat. 2,503,273, Apr. 11.
Johnson, Sheldon, Minneapolis, Minn. Rowboat stabilizer. 2,526,871, Oct. 24.
Johnson Spring Cushion Company, assignee: *See*—
Corser, Calvin G.
Johnson, Stanley A.: *See*—
Weber, Ernst, and Johnson.
Johnson, Stanley A., New York, and H. W. Schleuning, assignors to Polytechnic Institute of Brooklyn, Brooklyn, N. Y. Apparatus for forming metallic films on tubular carriers. 2,522,272, Sept. 12.
Johnson Steel & Wire Company, Inc., assignee: *See*—
Johnson, Charles D.
Johnson, Theodore A., and H. H. Thompson, assignors to Wingfoot Corporation, Akron, Ohio. Regeneration of synthetic rubber. 2,533,016, Dec. 5.
Johnson, Theodore A., and H. H. Thompson, assignors to Wingfoot Corporation, Akron, Ohio. Reclaiming synthetic rubber. 2,533,017, Dec. 5.
Johnson, Theodore L., Kirkwood, Mo. Fluid pressure molding. 2,531,218, Nov. 21.
Johnson, Theodore W., *See*—
Guise, Arthur B., and Johnson.
Johnson, Thomas B., Ambridge, assignor to H. H. Robertson Company, Pittsburgh, Pa. Fastening member. 2,515,773, July 18.
Johnson, Thomas G., Pontiac, Mich. Bowling alley pin setter. 2,525,906, Oct. 17.
Johnson, Thorvald, Vancouver, British Columbia, Canada. Oilcan. 2,531,980, Nov. 28.
Johnson, Victor E., Royal Oak, Mich. Folding leg for furniture. 2,496,094, Jan. 31.
Johnson, Victor E., assignor to R. Cowsert, Royal Oak, Mich. Combination furniture. 2,497,001, Feb. 7.
Johnson, Victor S., assignee: *See*—
White, Sidney Y.
Johnson, Victor S., Jr., administrator: *See*—
White, Sidney Y.
Johnson, Victor S., Jr., administrator de bonis non: *See*—
White, Sidney Y.
Johnson, Virginia S., Omaha, Nebr. Bust supporter. 2,509,353, May 30.
Johnson, Vivion A., Indianola, Miss. Flame cultivator. 2,523,953, Sept. 26.
Johnson, Wallace C., Kennett Square, Pa. Producing propeller constructions. 2,498,275, Feb. 21.
Johnson, Wallace J. S., Berkeley, Calif. Locking type caster. 2,512,941, June 27.
Johnson, Wallace M., assignee: *See*—
De Witt, John P., and Butler.
Johnson, Wallen A., assignee: *See*—
Johnson, Carl A.
Johnson, Walter A., assignor to Onondaga Pottery Company, Syracuse, N. Y. Apparatus for fixing transfers. 2,519,661, Aug. 22.
Johnson, Walter H.: *See*—
Johnson, John C. and W. H.
Johnson, Walter S.: *See*—
Wilcox, Granville M., and Johnson.
Johnson, Walton A., Elberton, Ga. Portable bedside urinal. 2,522,273, Sept. 12.
Johnson, Warner A., Freeport, Ill., assignor to First Industrial Corporation, Wilmington, Del. Centrifugal snap acting mechanism. 2,503,950, Apr. 11.
Johnson, Wilbur E., Hawthorne, and A. R. Bollaert, Palos Verdes, Calif., assignors to Great Lakes Carbon Corporation. Process and furnace for expanding perlite. 2,505,249, Apr. 25.
Johnson, William A., Farnborough, assignor to Minister of Supply in His Majesty's Government of the United Kingdom of Great Britain and Northern Ireland, London, England. Radio aerial, particularly for aircraft and other vehicles. 2,510,698, June 6.
Johnson, William A., Farnborough, England. Radio aerial system, and particularly directive aerial system. 2,532,919, Dec. 5.
Johnson, William A., Farnborough, England. Radio aerial system, and particularly directive aerial system. 2,532,920, Dec. 5.
Johnson, William B., Wheaton, Ill. Thread cutter. Re. 23,210, Mar. 21.
Johnson, William B., Wheaton, Ill. Thread cutter. 2,511,470, June 13.
Johnson, William D., Streator, Ill. Metal wagon body. 2,502,093, Mar. 28.
Johnson, William F., Barnehurst, assignor to Mentmore Manufacturing Company Limited, London, England. Fountain pen. 2,519,966, Aug. 22.
Johnson, William R.: *See*—
Frazer, Joseph H., Perry, and Johnson.
Johnson, William S., Madison, Wis., J. W. Petersen, Berkeley, Calif., and C. D. Gutsche, assignors to Wisconsin Alumni Research Foundation, Madison, Wis. Preparing equilenin compounds and products of such process. 2,527,999, Oct. 31.
Johnson, William S., Madison, Wis., J. W. Petersen, Oakland, Calif., and C. D. Gutsche, St. Louis Mo., assignors to Wisconsin Alumni Research Foundation, Madison, Wis. Preparing 2-cyano-1-keto-7-R-1,2,3,4-tetrahydrophenanthrenes, and products of such process. 2,528,000, Oct. 31.
Johnson, William S., Madison, Wis., J. W. Petersen, Oakland, Calif., and C. D. Gutsche, St. Louis, Mo., assignors to Wisconsin Alumni Research Foundation, Madison, Wis. Preparing 15-carboxy-dehydroequilenin compounds, and products of such process. 2,528,001, Oct. 31.
Johnson, William S., Madison, Wis., J. W. Petersen, Oakland, Calif., and C. D. Gutsche, St. Louis, Mo., assignors to Wisconsin Alumni Research Foundation, Madison, Wis. 1-keto-2-hydroxymethylene-7-or-1,2,3,4-tetrahydrophenanthrenes. 2,534,823, Dec. 19.
Johnson, Winfield H.: *See*—
Johnson, Merrill H. and W. H.
Johnson, Worth J., Detroit, Mich. Fish lure. 2,494,620, Jan. 17.
Johnsson, Gustav R., Stockholm, Sweden. Magazine cigarette case with cigarette lighting means. 2,522,041, Sept. 12.
Johnston, Albert D., Encinitas, Calif. Wrist watch band. 2,521,375, Sept. 5.
Johnston, Arthur C., Minneapolis, Minn. Garment bag magazine dispenser with garment support suspended underneath. 2,497,263, Feb. 14.
Johnston, Arthur E., administrator: *See*—
Tweed, Henry L.
Johnston, Bruce G.: *See*—
Looney, Charles T. G., Howell, and Johnston.
Johnston, Burton P., Los Angeles, Calif. Saw blade holding attachment for pliers. 2,493,972, Jan. 10.
Johnston, Clarence L., Piedmont, Calif. Manifold form. 2,535,798, Dec. 26.
Johnston, Clarence W., Portland, Oreg. Fastening device. 2,525,803, Oct. 17.
Johnston, Clark V., Backus, Minn., assignor of one-half to J. E. and N. B. Hill, co-partners doing business as J. E. Hill and Company. Multiple container. 2,517,492, Aug. 1.
Johnston, Cyrus H., Richmond, Mo. Device to prevent mouth breathing. 2,528,370, Oct. 31.
Johnston, David B.: *See*—
McPhee, Alexander H., and Johnston.
Johnston, Dorothy D., Minneapolis, Minn. Double vessel for warming articles of food. 2,517,320, Aug. 1.
Johnston, Douglas, Alexandria, Va. Pump device. 2,508,609, May 23.

Johnston, Douglas, Alexandria, Va. Free flow valve. 2,513,650, July 4.

Johnston, Douglas, Shelbyville, Ill., assignor of one-half to H. P. White, Joppa, Md. Rotary hydraulic pump. 2,525,907, Oct. 17.

Johnston, Everett L., Kelso, Wash. Pressed log cutter. 2,526,362, Oct. 17.

Johnston, Fred D.: *See*—
Allen, Raymond P., Jr., Johnston, and Sohn.

Johnston, Frederick L., Claymont, and D. C. Pease, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Vinyl fluoride polymerization process. 2,510,783, June 6.

Johnston, George H., Arcadia, Calif. Typewriter lift. 2,524,386, Oct. 3.

Johnston, Hal C., assignor to General Motors Corporation, Dayton, Ohio. Instrument for testing rupture strength of sheet material. 2,496,627, Feb. 7.

Johnston, Henry P.: *See*—
Pollak, Arthur, and Johnston.

Johnston, Howard D., Indianapolis, Ind., assignor, by mesne assignments, to The Marquette Metal Products Company, Cleveland, Ohio. Overrunning clutch and pinion unit. 2,528,148, Oct. 31.

Johnston, Howard M.: *See*—
Bjerre, Peder and Johnston.

Johnston, John G., Los Angeles, Calif. Tube cutter. 2,500,685, Mar. 14.

Johnston, Joseph B., Denver, Colo. Wallpaper pasting and trimming machine. 2,531,219, Nov. 21.

Johnston, Lawrence B., Evansville, Ind. Music holder. 2,514,068, July 4.

Johnston, Lawrence M., Indianapolis, Ind. Quick release buckle. 2,522,790, Sept. 19.

Johnston, Loyal L., Zelienople, assignor to Herman Pneumatic Machine Company, Pittsburgh, Pa. Mold forming apparatus. 2,499,387, Mar. 7.

Johnston, Mary A., executrix: *See*—
Smith, Walter H.

Johnston, Norman F., East Norwalk, Conn., dedicated to the People of the United States of America by R. T. Vanderbilt Co., Inc., New York, N. Y. Retarding stiffening of bread. 2,509,926, May 30.

Johnston, Norman F., East Norwalk, Conn., dedicated to the People of the United States of America by R. T. Vanderbilt Co., Inc., New York, N. Y. Process of retarding stiffening of bread. 2,509,927, May 30.

Johnston, Ralph P.: *See*—
Saunders, Richard E., and Johnston.

Johnston, Robert M., San Luis Obispo, Calif. Barometer. 2,510,402, June 6.

Johnston, Thellar J.: *See*—
Elliott, Harold K., and Johnston.

Johnston, Wayburn E., Minneapolis, Minn. Reel for motion-picture film and the like. 2,529,501, Nov. 14.

Johnston, William A., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Ironing apparatus having a movable clothes pan. 2,516,519. July 25.

Johnston, William A., Stratford, assignor to Rolock, Incorporated, Fairfield, Conn. Hand truck with self-coupling hook. 2,534,868, Dec. 19.

Johnston, William R., Bronxville, and G. W. Kirby, Yonkers, assignors to Standard Brands Incorporated, New York, N. Y. Preparation of green coffee. 2,526,872, Oct. 24.

Johnston, William R., Bronxville, and H. E. Foote, assignors to Standard Brands Incorporated, New York, N. Y. Preparation of green coffee. 2,526,873, Oct. 24.

Johnstone, Louis W., Warlingham, and C. E. Gilbert, Chipstead, England, assignors to B. Bercovitz, Toronto, Ontario, Canada. Loose-leaf binder. 2,532,771, Dec. 5.

Johnstone, Myron H., Manistee, Mich. Combined bootjack and mud scraper. 2,525,174, Oct. 10.

Joho, Olga, Basel, Switzerland. Appliance for mending ladders. 2,532,409, Dec. 5.

Joiner, Sylvester L., Sweetwater, Tex. Operating attachment for the handles of AB release valves. 2,516,466, July 25.

Joints, Inc., assignee: *See*—
Jewell, Howard W., Calder, and Stringfield.

Jokilehto, Wayne J.: *See*—
Fryer, Louis S., Andersson, and Jokilehto.

Jolene Corporation, assignee: *See*—
Hamlin, Benson.

Jolfre, René C., Paris, France. Diaphragm type acoustic screen. 2,508,265, May 16.

Jolliffe, Gordon F., Bernardsville, N. J. Rearview mirror system for vehicles. 2,514,647, July 11.

Jolly, Jesse H., Cincinnati, Ohio. Colostomy appliance. 2,516,391, July 25.

Jolly, Peter, Portland, Oreg. Floor structure. 2,508,674, May 23.

Jolly, Robert M., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Regulating system. 2,508,166, May 16.

Jolly, Robert M., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,525,488, Oct. 10.

Jolly, Robert M., Pittsburgh, assignor to Westinghouse Electric Corporation. Control system. 2,525,489, Oct. 10.

Joly, Léon, and L. C. Andrés, Boulogne-Billancourt, France, assignors to International Standard Electric Corp., New York, N. Y. Selective remote signaling system. 2,512,652, June 27.

Jonard, Howard A., and M. H. Polzin, assignors to Goodyear Aircraft Corporation, Akron, Ohio. Commutator-connector. 2,494,244, Jan. 10.

Jonas, William F., assignee: *See*—
Dorn, William E.

Jones, Alexander: *See*—
Osgood, Harry W., Jr., and Jones.

Jones, Allen R., Roselle, N. J., assignor to Standard Oil Development Company. Leaded motor fuels. 2,501,678, Mar. 28.

Jones, Alton H., Canandaigua, assignor of one-half to J. Bain, Palmyra, N. Y. Combined hoist and dock. 2,529,948, Nov. 14.

Jones, Anna A., executrix, assignee: *See*—
Jones, Meredith.

Jones, Aron E., Hoquiam, Wash. Fish lure activator. 2,521,852, Sept. 12.

Jones, Austin R., South Gate, Calif. Pants and skirt hanger. 2,517,211, Aug. 1.

Jones, Barton, Los Angeles, Calif. Pressure responsive bellows. 2,500,360, Mar. 14.

Jones, Basil E.: *See*—
Peterson, William H., and Jones.

Jones, Basil E., Flossmoor, and W. H. Peterson, Chicago, Ill. Renewable brush. 2,514,496, July 11.

Jones, Basil E., Flossmoor, assignor to The Pullman Company, Chicago, Ill. Vehicle room and berth arrangement. 2,531,687, Nov. 28.

Jones, Benjamin R., assignor to Fisher Governor Company, Marshalltown, Iowa. Diaphragm motor for valves. 2,496,215, Jan. 31.

Jones, Benjamin W., Robinson Township, Washington County, assignor to Pittsburgh Consolidation Coal Company, Pittsburgh, Pa. Making resinous aldehyde tar acids and hydrocarbon oil condensation products. 2,527,065, Oct. 24.

Jones, Bernard E.: *See*—
Jones, Geoffrey B. and B. E.

Jones, Bert R., West Haven, and G. L. Goebel, Hamden, Conn. Spring seat. 2,523,375, Sept. 26.

Jones, Bonnie G., Williamsburg, Ky. Motor vehicle tire. 2,534,869, Dec. 19.

Jones, Carl G., Youngstown, Ohio. Method and apparatus for making flexible metal sheath for electric conductor and applying it thereto. 2,525,300, Oct. 10.

Jones, Carmen D., Arlington, Va. Tip-delivering bowling ball. 2,529,024, Nov. 7.

Jones, Cary B.: *See*—
Arndt, John P., Jr., Jones, and Begun.

Jones, Cary B., Grand Rapids, Mich., assignor to The Brush Development Co., Cleveland, Ohio. Limit control for magnetic recorders. 2,535,497, Dec. 26.

Jones, Cecil E., Lima, Ohio. Crawler tread adjusting device. 2,513,265, June 27.

Jones, Cernyw F., Economy, Ind. Grass cutter. 2,526,821, Oct. 24.

Jones, Charles, Fresno, Calif. Rotary reel rake. 2,497,409, Feb. 14.

Jones, Charles E., assignor to Sidney L. Hatch and Sell Corporation, Chicago, Ill. Index strip holder. 2,526,950, Oct. 24.

Jones, Charles L., Edgewood, Pa. Carbon dioxide fire extinguisher. 2,519,967, Aug. 22.

Jones, Chase B., Waltham, Mass., and D. K. Mecham, Richmond, Calif., assignors to the United States of America as represented by the Secretary of Agriculture. Utilizing detergents to solubilize keratin materials. 2,517,572, Aug. 8.

Jones, Chesney L., Haledon, N. J. Hinged lamp guard. 2,533,812, Dec. 12.

Jones, Clarence R., Dayton, Ohio. Collapsible boat. 2,494,763, Jan. 17.

Jones, Clarence W., Boston, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Bent coaxial transmission line. 2,530,064, Nov. 14.

Jones, Clifford M.: *See*—
Porter, Ralph W., Jr., and Jones.

Jones, Corwin S., assignor to Webster Manufacturing, Inc., Tiffin, Ohio. Chain construction. 2,512,429, June 20.

Jones, David D.: *See*—
Edwards, Karl C., and Jones.

Jones, David D., Weston, Conn., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for covering cores. 2,513,802, July 4.

Jones, David F., Alhambra, Calif., assignor to Hom-Ade, Inc. Doughnut gun. 2,507,254, May 9.

Jones, David G.: *See*—
Bremner, John G. M., and Jones.

Jones, David G., Norton-on-Tees, England, assignor to Imperial Chemical Industries Limited. Hydrolysis of 2,5-dihydrofurans to produce unsaturated dicarbonyl compounds. 2,515,304, July 18.

Jones, David J., assignee: *See*—
Bader, Hans.

Jones, David J., Wembley, and S. V. Williams, deceased, by F. M. Williams, executrix, Kenton, England, assignors to General Electric Company. Flash lamp. 2,519,252, Aug. 15.

Jones, Dewey S., and S. P., Shelby, N. C. Milling machine attachment for turning lathes. 2,502,851, Apr. 4.
Jones, Don F., J. W. Miller, and B. D. Figg, assignors to Motor Wheel Corporation, Lansing, Mich. Forced circulation air heater. 2,508,828, May 23.
Jones, Donald L., W. M. Stark, and H. B. Underwood, Detroit, assignors to Ford Motor Company, Dearborn, Mich. Body solder. 2,523,625, Sept. 26.
Jones, Dow, & Company, Inc., assignee: *See*— Ackell, Joseph J., and Paulding.
Jones, Dwight E., assignor to E. D. Jones & Sons Company, Pittsfield, Mass. Jordan plug. 2,514,547, July 11.
Jones, E. D., & Sons Company, assignee: *See*— Jones, Dwight E. Stapley, Stephen G., and Subart.
Jones, Edward R., Easton, Pa. Spin game. 2,500,830, Mar. 14.
Jones, Edwin A., Webster Groves, assignor to Majestic Manufacturing Company, St. Louis, Mo. Magazine heating stove. 2,508,028, May 16.
Jones, Edwin A., Webster Groves, and R. E. Gardiner, University City, assignors to Majestic Manufacturing Company, St. Louis, Mo. Oven door and hinge construction. 2,513,414, July 4.
Jones, Edwin S., assignor of one-half to C. H. Cone, Atlanta, Ga. Lunch box. 2,504,132, Apr. 18.
Jones, Elmer W., Paramus, N. J., assignor to R. D. Watson, Westwood, and J. Shapiro, Brookline, Mass. Sanding attachment for electric motors. 2,501,524, Mar. 21.
Jones, Eric H., Manchester, assignor of one-half to The British Cotton Industry Research Association, Shirley Institute, Didsbury, Manchester, England. Automatic regulation of the action of machines for the continuous processing of materials. 2,535,930, Dec. 26.
Jones, Errol D., New York, N. Y. Racing game device. 2,518,897, Aug. 15.
Jones, Ewart R. H.: *See*— Heilbron, Ian M., and Jones.
Jones, Ewart R. H., A. E. Bide, and R. J. Nicholls, London, assignors to Glaxo Laboratories Limited, Greenford, Middlesex, England. Preparation of esters of 7-halogenocholesterol. 2,531,688, Nov. 28.
Jones, Floyd D., New York, N. Y. Device for opening clogged lubrication fitting passages. 2,494,298, Jan. 10.
Jones, Frank D., and J. R. West, Ottumwa, Iowa, assignors to Deere Manufacturing Co. Baling press tailboard. 2,529,842, Nov. 14.
Jones, Frank W., assignee: *See*— Talbot, David B.
Jones, Frederick M., assignor, by mesne assignments, to U. S. Thermo Control Co., Minneapolis, Minn. Rotary compressor. 2,504,841, Apr. 18.
Jones, Frederick M., assignor to The U. S. Thermo Control Co., Minneapolis, Minn. System for controlling the operation of refrigeration units. 2,509,099, May 23.
Jones, Frederick M., assignor to The U. S. Thermo Control Company, Minneapolis, Minn. Apparatus for heating or cooling the atmosphere within an enclosure. 2,526,874, Oct. 24.
Jones, Frederick M., assignor to U. S. Thermo Control Co., Minneapolis, Minn. Two-cycle internal-combustion engine. 2,532,273, Nov. 28.
Jones, Frederick M., assignor, by mesne assignments, to U. S. Thermo Control Co., Minneapolis, Minn. Prefabricated refrigerator construction. 2,535,682, Dec. 26.
Jones, Geoffrey B., Oak Park, and B. E. Jones, Oakland, Mich. Cutter. 2,529,949, Nov. 14.
Jones, Giffin D., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Interpolymers of acrylamide and methacrylamide. 2,504,074, Apr. 11.
Jones, Giffin D., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Alkylolamides of the acrylic acid series and their polymers. 2,508,717, May 23.
Jones, Giffin D., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Preparation of amphoteric amides of acrylic acid and their polymers. 2,508,718, May 23.
Jones, Giffin D., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Polyvinylisocyanate and derivatives thereof. 2,514,328, July 4.
Jones, Giffin D., Easton, Pa., and C. E. Barnes, Belvidere, N. J., assignors to General Aniline & Film Corporation, New York, N. Y. Polymerizing vinyl sulfonic acids. 2,515,714, July 18.
Jones, Giffin D., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Polymerizing water-soluble polyacrylamides and poly-alpha-substituted acrylamides. 2,533,166, Dec. 5.
Jones, Grace A., assignee: *See*— Compton, Joseph B.
Jones, Griffith, Anderson, Ind. Venetian blind. 2,495,973, Jan. 31.
Jones, Grinnell, deceased, late of Cambridge, Mass., by G. Jones, Jr., administrator, and W. Juda, Cambridge, Mass., and S. Soll, Syracuse, N. Y., assignors, by mesne assignments, to Albi Manufacturing Co., Inc., Hartford, Conn. Fire-retardant composition and process. 2,523,626, Sept. 26.
Jones, Grinnell, Jr., administrator: *See*— Jones, Grinnell, Juda, and Soll.
Jones, Grover C., assignor of one-half to M. B. Geris, Bronx, N. Y. Theater chair. 2,522,180, Sept. 12.
Jones, Hal R., Akron, Ohio. Cover for umbrellas or the like. 2,531,735, Nov. 28.
Jones, Harland S., Union, N. Y. Adaptable brace. 2,512,943, June 27.
Jones, Harold C.: *See*— Gray, Robin, and Jones.
Jones, Harold H., assignor to Kalamazoo Vegetable Parchment Company, Parchment, Mich. Washcloth, dishcloth, scouring cloth, and the like, and making the same. 2,526,076, Oct. 17.
Jones, Harold O., Pleasantville, N. Y., assignor to Air Reduction Company, Incorporated. Making tubes. 2,510,180, June 6.
Jones, Harold T., Vallejo, Calif. Locking wrench and pliers. 2,514,130, July 4.
Jones, Harrison W., and H. P. Lundgren, Berkeley, Calif., assignors to the United States of America as represented by the Secretary of Agriculture. Modification of wool with beta-propiolactone. 2,517,573, Aug. 8.
Jones, Harry, Rochdale, and J. K. Aiken, Sale, assignors to The Geigy Company Limited, Manchester, England. 5,5 - bis (hydroxymethyl) -2 - trichloromethyl - m - dioxane. 2,525,681, Oct. 10.
Jones, Harry C., Magnolia, Ark. Snap-on egg beater. 2,502,571, Apr. 4.
Jones, Harry S., East Orange, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Pressure type fire detecting system. 2,493,351, Jan. 3.
Jones, Harry S., East Orange, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Pressure-responsive variable resistance device. 2,494,621, Jan. 17.
Jones, Harry S., East Orange, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Air-flow indicator. 2,512,278, June 20.
Jones, Henry G., Austin, Tex. Stationary awning. 2,503,492, Apr. 11.
Jones, Henry W., Alexandria, Va. Trash agitating attachment for eave troughs. 2,523,435, Sept. 26.
Jones, Herbert H., Bartlesville, Okla., assignor to Phillips Petroleum Company. Hydrocarbon conversion with metal halide catalysts. 2,506,720, May 9.
Jones, Hilton I., Wilmette, Ill., assignor to The Munising Paper Company, Munising, Mich. Dusting and polishing paper. 2,495,066, Jan. 17.
Jones, Irene C. B., assignor to Prestige Limited, East Brunswick, Victoria, Australia. Lady's undergarment. 2,522,375, Sept. 12.
Jones, James C.: *See*— Eaves, John, Jr., and Jones.
Jones, James E., Morehead City, N. C., assignor of forty-five per cent to W. Krzeszewski, New Haven, Conn. Anchor. 2,533,586, Dec. 12.
Jones, James J., Tulsa, Okla. Door check. 2,515,875, July 18.
Jones, James R., Lakewood, assignor to Art Metal Construction Company, Jamestown, N. Y. Filing cabinet drawer. 2,532,623, Dec. 5.
Jones, James R., and F. H. Bloomstran, assignors to Art Metal Construction Company, Jamestown, N. Y. Insertable typewriter support for desks. 2,511,919, June 20.
Jones, James R., Lakewood, and O. J. Larson, assignors to Art Metal Construction Company, Jamestown, N. Y. Compressor for filing devices. 2,527,678, Oct. 31.
Jones, Jean E.: *See*— Lowe, Wesley G., and Jones.
Jones, Jean P., Bartlesville, Okla., assignor to Phillips Petroleum Company. Chemical conversion process. 2,514,497, July 11.
Jones, Jesse, assignee: *See*— Davis, James A., Jr.
Jones, Jesse E., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Direct-current motor control. 2,512,944, June 27.
Jones, Jesse M., North Hollywood, assignor to Charles R. Hadley Company, Los Angeles, Calif. Comparative data file. 2,502,961, Apr. 4.
Jones, Jesse M., North Hollywood, assignor to Charles R. Hadley Company, Los Angeles, Calif. Accounting board. 2,524,128, Oct. 3.
Jones, John L., Los Angeles, Calif., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Copolymerization of maleic anhydride and allyl esters of long chain monocarboxylic acids. 2,533,376, Dec. 12.
Jones, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Preparation of substituted phenols. 2,497,503, Feb. 14.
Jones, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Polymerizable unsaturated esters. 2,531,275, Nov. 21.
Jones, John P., Omaha, Nebr., assignor to Dairy Specialties, Inc. Cream remover. 2,531,630, Nov. 28.
Jones, John P., Jr., Pottstown, Pa. Clothesline fastener and tightener. 2,508,759, May 23.
Jones, John T., Sr., Mobile, Ala. Tabulation paper runout warning switch. 2,512,158, June 20.
Jones, Jonathan, Bethlehem, Pa., assignor to Bethlehem Steel Company. Truck for turntables. 2,495,813, Jan. 31.
Jones, Joseph M., Lexington, Ky. Tobacco elevator. 2,533,813, Dec. 12.

Jones, Joshua B., and R. H. White, Youngstown, Ohio, assignors to Carnegie-Illinois Steel Corporation. Electric precipitator tube cleaning method. 2,497,171, Feb. 14.

Jones & Lamson Machine Company, assignee: *See*—
Beardsley, Robert O., and Fuller.
Eldridge, Frank R., Jr.
Finn, Robert R.
Flanders, Ralph E., and Davis.
Fuller, Leon B.
Holmes, Morris P.

Jones & Laughlin Steel Corporation, assignee: *See*—
Beeghly, Hugh F.
Black, William E.
Markey, Bruce W.
Wales, Charles C.

Jones, Leo D., Philadelphia, Pa., assignor to The Sharples Corporation. Proportionate feeding and treating system. 2,499,388, Mar. 7.

Jones, Leo D., Philadelphia, Pa., and L. Sender, Baltimore, Md., assignors to The Sharples Corporation. Proportionate feeding and treating system. 2,499,389, Mar. 7.

Jones, Leonard G.: *See*—
Kaylor, James W., Phelps, Jones, and Holm.

Jones, Leslie W., Beemer, Nebr. Throat plate for corn shellers. 2,493,973, Jan. 10.

Jones, Lewis C.: *See*—
Bergsten, Charles A., and Jones.

Jones, Livingston E., Philadelphia, Pa. Rearview mirror. 2,523,118, Sept. 19.

Jones, Lloyd M.: *See*—
Holdam, James V., Jr., and Jones.

Jones, Loren F., Philadelphia, Pa., assignor to Radio Corporation of America. Selective communication system between ground station and a plurality of mobile stations. 2,513,490, July 4.

Jones, Loren F., Philadelphia, Pa. Cabinet for preparation and serving of hot beverages. 2,515,514, July 18.

Jones, Loren F., Philadelphia, Pa., assignor to Radio Corporation of America. Air traffic control. 2,520,600, Aug. 29.

Jones, Lyman L., and G. K. Barger, Seattle, Wash., assignors to American Can Company, New York, N. Y. Apparatus for electric welding seam portions of electrically conducting articles. 2,515,230, July 18.

Jones, Lyman L., and G. K. Barger, Seattle, Wash., assignors to American Can Company, New York, N. Y. Apparatus for electric welding side seam portions of can bodies. 2,517,574, Aug. 8.

Jones, Marvin R.: *See*—
Eckel, John E., and Jones.
Works, Madden T., and Jones.

Jones, Marvin R., assignor to Oil Center Tool Co., Houston, Tex. Balanced thrust swivel joint. 2,532,669, Dec. 5.

Jones, Maurice F., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,508,167, May 16.

Jones, Maurice F., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrically controlled polyphase motor system. 2,508,168, May 16.

Jones, Maurice F., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Two-phase linear-motor catapult system. 2,519,253, Aug. 15.

Jones, Meredith, deceased, Seattle, Wash.; A. A. Jones, executrix of said M. Jones, assignor to A. A. Jones. Gyroscopic navigational device. 2,534,824, Dec. 19.

Jones, Minor C. K., Mountainside, N. J., assignor to Standard Oil Development Company. Polymerization of cycle oil from high-temperature steam cracking process. 2,500,755, Mar. 14.

Jones, Norman B.: *See*—
Ipsen, Carl L., and Jones.
Scarbrough, Harry E., and Jones.

Jones, Norman B., Ballston Lake, and J. L. McFarland, Schenectady, N. Y., assignors to General Electric Company. Vertical loop furnace. 2,499,191, Feb. 28.

Jones, Norris V., San Francisco, Calif. Tourniquet. 2,511,269, June 13.

Jones, Patrick L. F., Wells, assignor to Scophony Limited, London, England. Gyroscopically-controlled instrument. 2,512,279, June 20.

Jones, Paul W., and M. G. Knoy, assignors to Rostone Corporation, La Fayette, Ind. Pressing machine. 2,509,354, May 30.

Jones, Philip H.: *See*—
Berg, Clyde H. O., and Jones.

Jones, Reuben G., assignor to Eli Lilly and Company, Indianapolis, Ind. Preparing pyrazines. 2,520,088, Aug. 22.

Jones, Richard C.: *See*—
Hokanson, Otto A., and Jones.

Jones, Richard H., St. Louis, Mo. Stove. 2,497,994, Feb. 21.

Jones, Riley A.: *See*—
Bradley, Samuel T., and Jones.

Jones, Robert A., Los Angeles, Calif. Beach bag. 2,515,715, July 18.

Jones, Robert C.: *See*—
Francis, Charles E., and Jones.

Jones, Robert E.: *See*—
Snyder, Harold R., and Jones.

Jones, Robert E., Brooklyn, N. Y. Stud removing tool. 2,535,038, Dec. 26.

Jones, Robert H., Jr., Lubbock, Tex. Double-acting internal-combustion engine. 2,530,970, Nov. 21.

Jones, Robert W., Flint, Mich. Beet topping apparatus for beet harvesters. 2,499,867, Mar. 7.

Jones, Roy E., South Bend, Ind. Work support for machine tools. 2,517,112, Aug. 1.

Jones, Roy W.: *See*—
Voss, John H., and Jones.

Jones, Roy W., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Impulse correcting repeater. 2,500,286, Mar. 14.

Jones, Roy W., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Telephone call intercepting system. 2,508,644, May 23.

Jones, Roy W., Rochester, N. Y., assignor to Stromberg-Carlson Company. All relay telephone selector. 2,512,942, June 27.

Jones, Roy W., Rochester, N. Y., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. All relay system in which local called telephone line is fed talking battery from connector or repeater. 2,522,720, Sept. 19.

Jones, Ruel C., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Alternating current motor control system. 2,508,169, May 16.

Jones, Sam P., Dallas, Tex. Safety device for vaporizer systems. 2,526,363, Oct. 17.

Jones, Samuel P.: *See*—
Jones, Dewey S., and S. P.

Jones, Shannon, East Cleveland, Ohio, assignor to General Electric Company. Alumina-based phosphor. 2,523,026, Sept. 19.

Jones, Stanley V., Windsor, Ontario, Canada. Power screw driver. 2,517,113, Aug. 1.

Jones, Stewart H., La Crescenta, Calif., assignor, by mesne assignments, to W. Dzus, West Islip, N. Y. Forming method and apparatus. 2,517,436, Aug. 1.

Jones, Taze W., Frederick, and G. M. Loveland, Denver, Colo.; said Jones assignor to said Loveland. Beet topping attachment for tractors. 2,528,886, Nov. 7.

Jones, Victor J.: *See*—
Raney, Robert M., and Jones.

Jones & Vining, Inc., assignee: *See*—
Vining, Howard C.

Jones, Vivian D., Baltimore, Md. Potato harvesting machine. 2,532,169, Nov. 28.

Jones, W. B., assignee: *See*—
Baker, William E.

Jones, Walter I., Belmont, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Ornamental button assembly. 2,519,316, Aug. 15.

Jones, Watkins W., and G. W. Brewer, assignors to Rice Growers Association of California, Sacramento, Calif. Treating rice paddy for milling. 2,515,409, July 18.

Jones, Watkins W., and G. W. Brewer, Sacramento, and A. B. Court, San Francisco, assignors to Rice Growers Association of California, Sacramento, Calif. Rice treating process. 2,525,137, Oct. 10.

Jones, Wendell W., Aspinwall, assignor to Armstrong Cork Company, Lancaster, Pa. Mixing apparatus. 2,495,242, Jan. 24.

Jones, Wendell W., assignor to Blaw-Knox Company, Pittsburgh, Pa. Reciprocating transfer for rotary sheet feeding mechanisms. 2,499,068, Feb. 28.

Jones, Wilford D.: *See*—
Seymour, George W., Salvin, and Jones.

Jones, Wilfred: *See*—
Edmondson, William, and Jones.

Jones, William B., Jr., Belmont, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Integrating circuit. 2,505,549, Apr. 25.

Jones, William J., Fair Haven, N. J. Multiple distribution radio receiving system. 2,531,438, Nov. 28.

Jones, William R., Metuchen, N. J., assignor to The Celotex Corporation, Chicago, Ill. Board bundle. 2,535,422, Dec. 26.

Jongedyk, Ralph, Hinsdale, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Extruding apparatus. 2,533,942, Dec. 12.

Jongeneel, Albert M., assignee: *See*—
Lea, Henry V.
Loucks, Claude A.
Schmidt, Lewis W.

Jongerius, Jan, assignee: *See*—
Heyerman, Johannes M.

Jongerius, Jan, N. V., assignee: *See*—
Jungerhans, Bernardus J. M.

Jonke, Joseph L., Queens Village, assignors to Fairchild Camera and Instrument Corporation, Jamaica, N. Y. Work holding jig for multiple spindle machines. 2,506,424, May 2.

Jonker, Johan L. H.: *See*—
Cupido, Piet M., Gall, Jonker, and van Overbeek.
Six, Willem, and Jonker.

Jonker, Johan L. H., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Beam forming electron discharge tube. 2,499,957, Mar. 7.

Jonker, Johan L. H., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Indirectly heated cathode. 2,504,335, Apr. 18.

Jonker, Johan L. H., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electric discharge tube with secondary emission prevention means. 2,530,703, Nov. 21.
Jonker, Johan L. H., and B. O. M. Gall, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electric discharge tube. 2,508,266, May 16.
Jonker, Johan L. H., and E. G. Dorgelo, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Discharge tube. 2,530,167, Nov. 14.
Jonker, Johannes L. H., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Manufacture of electron discharge tubes. 2,532,846, Dec. 5.
Jonsrud, Robert, Sandy, Oreg. Log house construction. 2,498,551, Feb. 21.
Jönsson, Eric A.: *See*—
Nordenskjöld, Tore, and Jönsson.
Jonsson, Johan A., assignor to Telefonaktiebolaget L M Ericsson, Stockholm, Sweden. Preregulating device for time recorders. 2,501,904, Mar. 28.
Jonsson, Johan M., Woxna, Sweden. Side sharpening device for saw teeth. 2,526,364, Oct. 17.
Jonsson, John H.: *See*—
Larsson, Eric J., and Jonsson.
Jonsson, Josef E., Linköping, Sweden. Machine for vacuum filling. 2,509,506, May 30.
Jönsson, Nils W., Lidingo, Sweden. Apparatus for screening fibrous suspensions. 2,514,159, July 4.
Jonto Products Incorporated, assignee: *See*—
Hauser, Henry W.
Jontz, William R., Mishawaka, Ind. Trailer dolly. 2,500,686, Mar. 14.
Jopperi, Matt U., and C. I. Monaghan, Ashtabula, Ohio. Engine control mechanism. 2,499,317, Feb. 28.
Jordan, Albert E., Grand Prairie, Tex. Utility toilet rack and key-operated tube dispenser. 2,517,321, Aug. 1.
Jordan, Arthur H., Norristown, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Recorder having a single marker for making a pair distinguishable records. 2,501,604, Mar. 21.
Jordan, Arthur K., Tacoma, Wash. Baker's dump table. 2,500,361, Mar. 14.
Jordan, Carmine: *See*—
Schweitzer, Edwin J., and Jordan.
Jordan, Clarence A., Madison, Wis. Wood-bending apparatus. 2,502,460, Apr. 4.
Jordan, Claude W.: *See*—
Chaney, Newcomb K., and Jordan.
Jordan, Clifford, Glen Rock, N. J. Textile label. 2,531,631, Nov. 28.
Jordan, David W., Yonkers, N. Y., assignor to The Dorr Company, Stamford, Conn. Ion exchange treatment of sugar solutions. 2,528,058, Oct. 31.
Jordan, Donald J., Milford, assignor to United Aircraft Corporation, East Hartford, Conn. Fuel system. 2,519,968, Aug. 22.
Jordan, Edward B., assignee: *See*—
Baker, William E.
Jordan, Everett N., McAlester, Okla. Siding mold attachment for block molds. 2,498,923, Feb. 28.
Jordan, Henry R., U. S. Navy. Rotary air intake valve for reso-jet motors. 2,508,396, May 23.
Jordan, Howard F., Beloit, Wis. Blank ejecting mechanism. 2,521,461, Sept. 5.
Jordan, Huey M., Nemacolin, Pa. Space heating apparatus. 2,499,757, Mar. 7.
Jordan, James D., Washington, D. C., assignor to the United States of America as represented by the Secretary of the Navy. Safety switch. 2,515,043, July 11.
Jordan, James D., Washington, D. C., assignor to the United States of America as represented by the Secretary of the Navy. Safety gate. 2,516,323, July 25.
Jordan, James D., Washington, D. C., and R. G. Ferris, Harvard, Ill., assignors to the United States of America as represented by the Secretary of the Navy. Setback switch. 2,498,040, Feb. 21.
Jordan, James F., Huntington Park, Calif. Removal of sulfur from ferrous metals. 2,509,189, May 23.
Jordan, James F., Huntington Park, Calif. Desulfurizing and decopperizing ferrous metal. 2,512,578, June 20.
Jordan, James F., assignor to Jordan Research Laboratory, Inc., Huntington Park, Calif. Furnace hearth. 2,514,871, July 11.
Jordan, James F., assignor to the James Jordan Laboratory, Huntington Park, Calif. Controlling the residual magnesium content of nodular graphite cast iron. 2,527,498, Oct. 24.
Jordan, James F., assignor to James Jordan Laboratory, Huntington Park, Calif. Purifying molten iron. 2,530,368, Nov. 21.
Jordan, James, Laboratory, assignee: *See*—
Jordan, James F.
Jordan, James, Laboratory, The, assignee: *See*—
Jordan, James F.
Jordan, John F., Terrace Park, assignor to The Baldwin Company, Cincinnati, Ohio. Shutter mechanism. 2,506,599, May 9.
Jordan, John W., Pittsburgh, Pa., assignor to National Lead Company, New York, N. Y. Vitamin-enriched product and producing same. 2,531,439, Nov. 28.
Jordan, John W., Pittsburgh, Pa., assignor to National Lead Company, New York, N. Y. Lubricants. 2,531,440, Nov. 28.
Jordan, O. F., Company, assignee: *See*—
Shipley, Calvin W., and Van Eck.
Jordan Research Laboratory, Inc., assignee: *See*—
Jordan, James F.
Jordan, Richard H., Mansfield, Ohio, assignor to The Alliance Manufacturing Company. Antenna rotator. 2,498,957, Feb. 28.
Jordan, Robert L.: *See*—
Bainbridge, Richard W., and Jordan.
Jordan, Walter H., Arlington, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Variable frequency band width amplifier. 2,527,737, Oct. 31.
Jordan, Wayne D., Chicago, and P. D. Van Vliet, Galesburg, assignors to Liquid Carbonic Corporation, Chicago, Ill. Two temperature refrigerator, including a humidity control system. 2,493,488, Jan. 3.
Jordan, Wesley A., S. H. Shapiro, and J. M. Schrager, assignors to Armour and Company, Chicago, Ill. Polyamide polymers and preparing same. 2,518,148, Aug. 8.
Jordan, Wesley D., assignor to Charles F. Orvis Co. Inc., Manchester, Vt. Making split bamboo rods or poles. 2,532,814, Dec. 5.
Jordan, Wilbur F.: *See*—
Greenup, Harold W., and Jordan.
Jordan, Will C.: *See*—
Wait, William H.
Wait, William H., and Jordan.
Jordan, Will C., Burbank, Calif. Fish tape leader. 2,509,100, May 23.
Jordan, William V., Waverly Hills, Ky. Fluid-regulating valve. 2,511,342, June 13.
Jordell, Johannes O., Oslo, Norway. Ski binding. 2,528,228, Oct. 31.
Jordon, Benjamin T., Molena, assignor of one-half to A. G. Singleton, Thomaston, Ga. Fluorescent tube socket. 2,499,507, Mar. 7.
Jörgensen, Anders O., Traneberg, assignor to Telefonaktiebolaget L M Ericsson, Stockholm, Sweden. Mirror position indicating device for telephone switches. 2,523,627, Sept. 26.
Jorgensen, Bernhardt, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Edge-guided point marker for insoles. 2,508,574, May 23.
Jorgensen, Bernhardt, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Fluid-pressure mechanism. 2,525,908, Oct. 17.
Jorgensen, Clarence H., and L. C. Dermond, Rochester, N. Y., assignors to General Motors Corporation, Detroit, Mich. Engine pressure regulator. 2,503,274, Apr. 11
Jorgensen, Clarence H., and W. H. Taylor, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Airplane engine controller. 2,516,123, July 25.
Jorgensen, Emanuel, Tividale, England. Tin opener. 2,514,069, July 4.
Jorgensen, Hans F. B., Herlev near Copenhagen, Denmark. Gas heater. 2,528,312, Oct. 31.
Jørgensen, Karl V., Kaerby, Aalborg, Denmark. Excess voltage cutout for low-voltage systems. 2,535,423, Dec. 26.
Jorgensen, Martin M. P., Copenhagen, Denmark. Meat grinder. 2,509,002, May 23.
Jorgensen, Niels B., Los Angeles, Calif. Hypodermic syringe. 2,526,365, Oct. 17.
Joris, Gaston: *See*—
Pierrat, Paul, Colombu, and Joris.
Joris, George, Princeton, N. J., assignor to Canadian Radium & Uranium Corporation, New York, N. Y. Radioactive device and making the same. 2,525,035, Oct. 10.
Josam Manufacturing Company, assignee: *See*—
Matheis, Aaron.
Josefowitz, David, New York, N. Y., assignor to Publicker Industries Inc., Philadelphia, Pa. Polymerizing butadiene or the like in the presence of tetra-aryl succino dinitrile and products thereof. 2,497,833, Feb. 14.
Joseph, C. E., assignee: *See*—
Bauder.
Joseph, Michael, Roslindale, Mass. Rotating hook. 2,495,637, Jan. 24
Joseph, Ralph, Worcester Park, England. Garment hanger. 2,507,906, May 16.
Josephson, Archie, Hollywood, assignor to National Heaters, Inc., Glendale, Calif. Car heating attachment. 2,535,424, Dec. 26.
Josephson, Herman E.: *See*—
Strople, Ralph D., and Josephson.
Josephy, Erwin, Woodhaven, N. Y. Menu card or the like. 2,507,307, May 9.
Josh, George, Crown Point, Ind., and M. E. Hull, La Grange, assignors to Armour and Company, Chicago, Ill. Recovery of lactalbumin. 2,521,853, Sept. 12.
Joslin, Charles A.: *See*—
Jargstorff, George W., and Joslin.
Joslyn Manufacturing and Supply Company, assignee: *See*—
Yonkers, Edward H.
Joss, Robert A.: *See*—
Holmstrom, Henry W.

Josselson, Joseph, Carmody Hills, Md. Base bag with cover. 2,494,511, Jan. 10.
Jost, John H., Little Falls, Minn. Apparatus for repairing radiators. 2,530,333, Nov. 14.
Jouannet, Robert, La Praz, near Modane, France, assignor to Elektrokemisk A/S. Collecting gases in aluminum furnaces. 2,526,875, Oct. 24.
Journal Company, The, assignee: *See*—
Laeser, Phillip B.
Journeaux, Didier, Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Combined chain belt and elevator conveyer. 2,506,425, May 2.
Journel, Jacques, Paris, France. Apparatus for projecting sunlight onto public exhibits and advertising subjects. 2,494,879, Jan. 17.
Jovanovich, Milton, Detroit, and J. J. Wharam, assignors to Ford Motor Company, Dearborn, Mich. Steering column gearshift clutch construction. 2,532,170, Nov. 28.
Joy, Henry M., assignor to The Master Electric Company, Dayton, Ohio. Rotor for alternating current machines. 2,499,390, Mar. 7.
Joy, Homer V., Montclair, N. J., assignor of one-half to Montclair Research Corporation, and one-half to Ellis-Foster Company. Carboxy alkyl cellulose impression materials and impressions made therefrom. 2,520,805, Aug. 29.
Joy, Homer V., Montclair, N. J., assignor of one-half to Montclair Research Corporation, and one-half to Ellis-Foster Company. Dentures, compositions, and methods. 2,532,502, Dec. 5.
Joy, Homer van B.: *See*—
Rust, John B., and Joy.
Joy, Ivan L., Topeka, Kans. Multiple anode tube and employing the same in testing apparatus. 2,528,437, Oct. 31.
Joy, Joseph E., Collingswood, N. J., assignor to Radio Corporation of America. Constant potential gradient dielectric heating device. 2,516,324, July 25.
Joy Manufacturing Company, assignee: *See*—
Baldwin, Clyde P.
Bartholomew, Jess M.
Curtis, John C.
Curtis, John C., and Gartin.
Ferguson, Alexander D.
Fish, Walter D.
Gartin, Elmer G.
Hugus, Frank R., and Woolf.
McCallum, Robert A.
Minnis, Harold F.
Osgood, Charles F.
Russell, John D.
Russell, John D., and Woolf.
Simmons, Leon E.
Troller, Theodor H
McCallum, Robert A., and Luce.
Wineman, Wade H.
Woolf, James W.
Joyal, Wilfred, East Montpelier, Vt. Stanchion. 2,501,774, Mar. 28.
Joyce-Cridland Company, The, assignee: *See*—
Hott, Ion V. K., and Gentry.
Joyce, Maurice, Washington, D. C. Temporary support for window frames. 2,514,397, July 11.
Joyce, Maurice, Washington, D. C. Automatic telephone dialing instrument. 2,525,909, Oct. 17.
Joyce, Robert M., Jr.: *See*—
Hanford, William E., and Joyce, Jr.
Joyce, Robert M., Jr., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Interpolymers of esters of azobisformic acid. 2,507,718, May 16.
Joyce, Robert M., Jr., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Hydroxyl-containing polymers. 2,518,440, Aug. 15.
Joyce, William J., Jr.: *See*—
Walter, Robinson F., and Joyce.
Jozif, Josef, Prague, Czechoslovakia. Two-cycle internal-combustion engine. 2,493,974, Jan. 10.
Jozif, Josef, Prague, assignor to Zbrojovka Brno, Brunn, Czechoslovakia. Toolbox arrangement in motorcycles and similar vehicles. 2,504,265, Apr. 18.
Jubanowsky, Louis J., Vaux Hall, assignor to The Baker Castor Oil Company, Jersey City, N. J. Coating and impregnating composition. 2,494,559, Jan. 17.
Jubb, Albert: *See*—
Ballantyne, David H., and Jubb.
Juda, Walter: *See*—
Jones, Grinnell, Juda, and Soll.
Judd, Charles H., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Support construction and fastening device therefor. 2,520,725, Aug. 29.
Judd, Chester K., Jr., Bristol, assignor to The Fletcher-Terry Company, Forestville, Conn. Glass cutter. 2,513,876, July 4.
Judd, Chester K., Jr., Bristol, assignor to The Fletcher-Terry Company, Forestville, Conn. Glass cutting board. 2,534,775, Dec. 19.
Judd, Edwin G., Vancouver, Wash. Separating titanium from its ores. 2,527,257, Oct. 24.
Judd, George E., Fort Myers, Fla. Orchard cultivator. 2,514,766, July 11.
Judd, George E., Fort Myers, Fla. Hoe blade for endless chain cultivators. 2,526,138, Oct. 17.
Judell, Julius S., Shorewood, assignor to Western Hardware & Specialty Manufacturing Company, Milwaukee, Wis. Sand feed for core blowers. 2,524,447, Oct. 3.
Judelson, David N., Parkridge, N. J. Machine for cutting materials into strips. 2,526,029, Oct. 17.
Judge, Thomas H., West Roxbury, Mass. Rotor control mechanism and ground-wheel drive for helicopters. 2,518,623, Aug. 15.
Jubin, Joseph E., New Orleans, La. Anchoring means for sheet material members. 2,507,978, May 16.
Jubin, Joseph E., New Orleans, La. Hat stay. 2,522,274, Sept. 12.
Judisch, Carl H., assignor to The Whitney Blake Company, Hamden, Conn. Apparatus for molding cored articles from hot rubber and the like. 2,493,069, Jan. 3.
Judisch, Carl H., assignor to The Whitney Blake Company, Hamden, Conn. Apparatus for molding terminals on electric conductors. 2,500,546, Mar. 14.
Judson, Albert L., Handley, Tex. Window sash support. 2,508,760, May 23.
Judson, Charles A.: *See*—
Bell, Frank R., Judson, and Haworth.
Judson, Marshall N., Rural Valley, Pa. Natural gas mixer. 2,526,139, Oct. 17.
Juel, Leslie H.: *See*—
Shea, Frederick L., Jr., and Juel.
Juergens, Edwin C., Chicago, Ill. Hydraulic jack. 2,505,187, Apr. 25.
Juhasz, James G., Chicago, Ill. Starter winding cutout for motors. 2,503,493, Apr. 11.
Juhasz, James G., assignor of three-fourths to M. Yuhas, Chicago, Ill. Magnetically operated switch. 2,506,792, May 9.
Juhola, Carl: *See*—
Bradley, Robert W., and Juhola.
Juillet, Pierre, Albon, France. Multicolor cinematography method. 2,520,842, Aug. 29.
Jukkola, Walfred W., and E. J. Roberts, Westport, assignors to The Dorr Company, Stamford, Conn. Removing silica from water by way of ion exchange. 2,504,695, Apr. 18.
Julian, John A., assignor to Oscar Mayer & Co., Inc., Chicago, Ill. Smokehouse. 2,505,973, May 2.
Julian, Percy L., Maywood, J. W. Cole, and E. W. Meyer, Chicago, and A. Magnani, Wilmette, Ill., assignors to The Glidden Company, Cleveland, Ohio. Rearrangement of steroid oximes. 2,531,441, Nov. 28.
Julie, Peter, Detroit, Mich. Combination scooter and sled. 2,497,995, Feb. 21.
Julius, Awdry F., executor: *See*—
Julius, Awdry F. and G. A.
Julius, Awdry F. and G. A., deceased, Sydney, New South Wales, Australia, by E. D. O. Julius, Killara, near Sydney, and A. F. Julius and R. S. Hicks, Sydney, New South Wales, executors, assignors to Automatic Totalisators Limited, Sydney, New South Wales, Australia. Odds computing device for race totalizators. 2,506,876, May 9.
Julius, Awdry F., and G. A. Julius, deceased, Sydney, New South Wales, by E. D. O. Julius, Killara, near Sydney, and A. F. Julius and R. S. Hicks, executors, assignors to Automatic Totalisators Limited, Sydney, New South Wales, Australia. Selector switch for race totalizator ticket issuers. 2,514,070, July 4.
Julius, Awdry F., Sydney, assignor to Automatic Totalisators Limited, Meadowbank, near Sydney, New South Wales, Australia. Totalizator registering means for "doubles" tickets. 2,534,602, Dec. 19.
Julius, Awdry F., Sydney, New South Wales, Australia, and G. A. Julius, deceased, Sydney, New South Wales, Australia, by E. D. O. Julius, Killara, near Sydney, A. F. Julius, and R. S. Hicks, executors, assignors to Automatic Totalisators, Limited, Sydney, New South Wales, Australia. Operating handle interlock and impulse transmission switch assembly for race totalizators. 2,535,425, Dec. 26.
Julius, Earl T., Skokie, Ill. Filter apparatus. 2,529,698, Nov. 14.
Julius, Eva D. O., executor: *See*—
Julius, Awdry F. and G. A.
Julius, George A.: *See*—
Julius, Awdry F. and G. A.
Julliard, Maurice E., Paris, France. Single or multiple key lock. 2,493,630, Jan. 3.
Jullie, Joseph T., assignor to Strutwear, Inc., Minneapolis, Minn. Point straightening mechanism for knitwear looping machines. 2,498,496, Feb. 21.
Julow, Hans B., South Hadley, Mass. Dowel clipping apparatus. 2,519,137, Aug. 15.
Julyan, Fred G.: *See*—
Schweickart, William M., and Julyan.
Julyan, Fred G., Euclid, and W. M. Schweickart, Bay Village, Ohio, assignors to Pocahontas Fuel Company Incorporated, New York, N. Y. Ash receptacle. 2,498,370, Feb. 21.
Junca, Madeleine: *See*—
Dupeyron, Madeleine, née Junca.
Jung, Albert G., Burlington, Wis. Pipe wrench tooth sharpener and cutting tool. 2,518,018, Aug. 8.
Jungé, James F.: *See*—
Horne, William A., and Jungé.
Jungerhans, Bernardus J. M., Voorburg, assignor to J. Jongerius, N. V., Jutphaas, Utrecht, Netherlands. Liquid cock or valve. 2,499,318, Feb. 28.

Jungersen, Thoger G., assignee: *See*—
Streicher, Johann S.
Jungersen, Thoger G. and T. G., Jr., Summit, N. J. Precision forming of metal. 2,524,057, Oct. 3.
Jungersen, Thoger G., Jr.: *See*—
Jungersen, Thoger G.
Jungjohann, Vernon H.: *See*—
Wittel, Otto, and Jungjohann.
Jungwirth, John, Chicago, Ill. All universal tandem rear end for trucks, tractors, and trailers. 2,523,954, Sept. 26.
Junker, Ralph D., Ansonia, Conn. Cross-chest buckle for parachute harness. 2,531,442, Nov. 28.
Junker, William O.: *See*—
Lee, William F., and Junker.
Junkin, John L., Los Angeles, Calif. Fuel control valve. 2,532,847, Dec. 5.
Jura, John, Hollywood, Calif. Shopping bag. 2,523,217, Sept. 19.
Jurczak, Frank, Ambridge, Pa. Fishing lure. 2,526,077, Oct. 17.
Jurgeleit, Herbert F., Oceanside, assignor to United States Rubber Company, New York, N. Y. Molding apparatus. 2,526,877, Oct. 24.
Jurgeleit, Herbert F., Oceanside, assignor to United States Rubber Company, New York, N. Y. Injection molding unit. 2,533,468, Dec. 12.
Jurgensen, August P., New York, N. Y., assignor, by mesne assignments, to Rooney Metal Products Corporation, Hoboken, N. J. Folding leg fixture. 2,517,437, Aug. 1.
Jurisich, George J., and W. M. Ferguson, Los Angeles, Calif. Mixing valve. 2,494,044, Jan. 10.
Jurrens, Lawrence D.: *See*—
Crouch, Willie W., and Jurrens.
Jurs, Peter C., Oakland, assignor to Shand and Jurs Company, Berkeley, Calif. Valve construction for gauging tapes. 2,533,264, Dec. 12.
Jursinovic, John J., assignor to Independent Pneumatic Tool Company, Aurora, Ill. Control mechanism for chucks. 2,494,764, Jan. 17.
Jury, Webster W., Wayne Township, Passaic County, N. J. Clamp and bracket assembly. 2,510,181, June 6.
Jusky, Michael, Manville, R. I. Differential for four-wheel drives. 2,514,071, July 4.
Just, George A., Jr., assignor to Philco Corporation, Philadelphia, Pa. Indicating means. 2,514,872, July 11.
Justi, H. D., & Son, Inc., assignee: *See*—
Slack, Fred A., Jr.
Justice, George E.: *See*—
Thurston, Frank M., and Justice.
Justice, Joseph E., Jr., Montgomery, Ala. Rotatable disk calendar. 2,502,852, Apr. 4.
Justice, Joseph W.: *See*—
Compton, John D., Justice, and Irwin.
Justice, Richard W., Belvedere, Calif. Optical viewing instrument having negative lens and grid scale. 2,497,360, Feb. 14.
Justice, Richard W., Belvedere, Calif. Light polarizing apparatus for analyzing pictures. 2,501,446, Mar. 21.
Justinian, Joseph L., New Orleans, La. Adjustable combination keyless lock. 2,496,542, Feb. 7.
Justiz, Eudaldo M., Habana, Cuba. Immersion electric heater. 2,533,469, Dec. 12.
Justrite Manufacturing Company, assignee: *See*—
Olsen, Marvin R.
Packer, Charles S., and Olsen.
Justus, James E.: *See*—
Endsley, Louis E., and Justus.
Juvinall, James W., La Grange Park, and S. J. Snorek, Berwyn, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Glassworking apparatus. 2,504,842, Apr. 18.
Juy, Lucien, Dijon-Cote-d'or, France. Assembling and dismantling of bicycle hubs. 2,511,985, June 20.
Juzwiak, Edmond A., assignor to Power Production Company, Chicago, Ill. Fertilizer distributor. 2,510,231, June 6.
K-D Manufacturing Company, assignee: *See*—
Kulp, Harry W.
K & K Leather Goods Co., Inc., assignee: *See*—
Schwartzbard, Morris.
K & K Manufacturing Company, assignee: *See*—
Kayser, Allan J.
K. L. G. Sparking Plugs Limited, assignee: *See*—
Pickett, Walter J., Carington, and Shoobert.
K.-W. Products, Inc., assignee: *See*—
Kaszolka, Leonard W.
Kaar Engineering Company: *See*—
Konigsberg, Sidney S.
Kaar, John M., assignee: *See*—
Konigsberg, Sidney S.
Kaas, Josephine, New York, N. Y. Body member covering. 2,518,424, Aug. 8.
Kaberg, Russell A., St. Louis, and J. S. Harris, Richmond Heights, assignors to Monsanto Chemical Company, St. Louis, Mo. Emulsifiable oil concentrates of biological toxicants. 2,509,233, May 30.
Kadavy, Godfrey J., Omaha, Nebr. Thumb forcep and needle holder. 2,504,202, Apr. 18.
Kadell, Alfred E., Steubenville, Ohio, assignor to National Steel Corporation. Apparatus for inspecting sheets. 2,501,224, Mar. 21.
Kadell, Alfred E., Steubenville, Ohio, assignor to National Steel Corporation. Apparatus for inspecting and sorting sheets. 2,506,087, May 2.
Kadenacy, Michel, deceased, N. K. Guercken, Summit, N. J., executrix of said M. Kadenacy. Power plant combustion gas exhaust control. 2,522,118, Sept. 12.
Kadilak, Joseph R., Midland, Pa. Continuity tester. 2,534,450, Dec. 19.
Kaefer, Martin H., Thomaston, and E. S. Bassett, Waterbury, Conn., assignors to General Time Corporation. Timing mechanism. 2,502,220, Mar. 28.
Kaegi, Hans: *See*—
Miescher, Karl, and Kaegi.
Kaehler, Alice L., administratrix: *See*—
Whitfield, Fred A.
Kaelin, Pierre, Lausanne, Switzerland. Recording device for telephone transmitters. 2,522,119, Sept. 12.
Kaelin, Pierre, Lausanne, Switzerland. Substation circuit with loudspeaker. 2,531,883, Nov. 28.
Kafer, Clare H.: *See*—
White, Howard D., and Kafer.
Kafer, Clare H., Palmyra, assignor to Revco, Inc., Deerfield, Mich. Vending machine. 2,527,135, Oct. 24.
Kafer, Clare H., and H. D. White, Adrian, assignors to Revco, Inc., Deerfield, Mich. Milk cooler having automatic control means. 2,494,512, Jan. 10.
Kafer, Clare H., and H. D. White, Adrian, assignors to Revco, Inc., Deerfield, Mich. Refrigeration evaporator. 2,517,212, Aug. 1.
Kagan, Benjamin S., Moline, Ill. Cabinet for combination household units. 2,526,030, Oct. 17.
Kagan, Benjamin S., Rock Island, assignor to American Machine and Metals, Inc., East Moline, Ill. Damper and heating unit. 2,516,702, July 25.
Kagan, Ralph: *See*—
Gerstein, Harry, and Kagan.
Kaganoff, Solomon D., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Halogenated polymers and preparing the same. 2,513,330, July 4.
Kagi, Walter W., Western Springs, and A. W. Laird, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Fluid mixing apparatus. 2,527,136, Oct. 24.
Kahan, Benedict D., Philadelphia, Pa. Calculating device. 2,504,532, Apr. 18.
Kahan, Benedict D., Philadelphia, Pa. Slide rule. 2,511,270, June 13.
Kahan, Theo, and A. Waché, assignors to Radio Industrie S. A., Paris, France. Directional aerial. 2,534,451, Dec. 19.
Kahl, Joseph, New York, N. Y. Protecting cage for glass tubes. 2,517,674, Aug. 8.
Kahle, Max K., Chicago, Ill. Roller skate. 2,517,322, Aug. 1.
Kahlenberg, Herman H.: *See*—
Kahlenberg, James F. and H. H.
Kahlenberg, James F. and H. H., Sarasota, Fla. Machine for sealing ampoules and the like. 2,493,070, Jan. 3.
Kahler, Harry L.: *See*—
Nieland, William L., Maguire, George, and Kahler.
Kahn, Alfred, Queens Village, N. Y., assignor to Radio Corporation of America. Circuit failure indicator for receiving telegraphs. 2,522,874, Sept. 19.
Kahn, David, Englewood, assignor to David Kahn, Inc., North Bergen Township, Hudson County, N. J. Fountain pen cap. 2,509,234, May 30.
Kahn, David, Inc., assignee: *See*—
Kahn, David.
Kahn, David S., Madison, Wis. Photochemical preparation of polypeptides. 2,515,515, July 18.
Kahn, Edgar, New York, N. Y. Eating doll. 2,531,912, Nov. 28.
Kahn, George, New York, N. Y. Valance structure. 2,534,519, Dec. 19.
Kahn, Harry J., Matawan, N. J. Sodium silicate cement composition. 2,533,118, Dec. 5.
Kahn, James M., assignor to Kalan Uniform Co., Inc., Chicago, Ill. Garment. 2,527,258, Oct. 24.
Kahn, Joseph N., St. Albans, assignor of one-third to E. J. Boss, Richmond Hill, N. Y. Chair. 2,518,425, Aug. 8.
Kahn, Leo M., Brooklyn, N. Y. Shiftable support for ironers. 2,528,595, Nov. 7.
Kahn, Leo M., Island Park, N. Y. Laundry machine. 2,528,594, Nov. 7.
Kahn, Leo M., Island Park, N. Y. Variable volume washer. 2,530,822, Nov. 21.
Kahn, Leo M., Island Park, N. Y. Washing machine cylinder balancing apparatus. 2,534,267, Dec. 19.
Kahn, Leo M., New York, N. Y. Cleaning or laundry machine. 2,533,888, Dec. 12.
Kahn, Leo M., and E. Ellner, New York, N. Y.; said Ellner assignor to said Kahn. Washing machine cylinder balancing apparatus. 2,534,268, Dec. 19.
Kahn, Leo M., and E. Ellner, New York, N. Y.; said Ellner assignor to said Kahn. Automatic balancing system for cleaning machine cylinders. 2,534,269, Dec. 19.
Kahn, Leonard R., New York, N. Y., assignor to Radio Corporation of America. Receiver and diversity receiver system. 2,513,803, July 4.
Kahn, Louis E., and H. Noble, assignors to E. Kahn's Sons Company, Cincinnati, Ohio. Animal shackling apparatus. 2,513,877, July 4.

Kahn, Morris, Newburgh, N. Y. Garment. 2,527,137, Oct. 24.
Kahn, Robert L., trustee, assignee: *See*—
Razek, Joseph.
Kahn, Samuel, Bridgeport, assignor to Schick Incorporated, Stamford, Conn. Rotor starting mechanism. 2,502,048, Mar. 28.
Kahnke, Joseph: *See*—
Apker, LeRoy, and Kahnke.
Kahn's, E., Sons Company, assignee: *See*—
Kahn, Louis E., and Noble.
Kahoe, John J.: *See*—
Mayer, Joseph U., Kahoe, and Conrad.
Kahre, George F., Portland, Oreg. Fruit press. 2,534,554, Dec. 19.
Kail, Karl A., Montrose, Pa., assignor to Link Aviation, Inc., Binghamton, N. Y. Aviation trainer. 2,510,578, June 6.
Kail, Karl A., Montrose, Pa., assignor to Link Aviation, Inc., Binghamton, N. Y. Weathercocking simulating means for grounded aviation trainers. 2,510,579, June 6.
Kail, Karl A., Montrose, Pa., assignor to Link Aviation, Inc., Binghamton, N. Y. Northerly turning error compass simulating means for grounded aviation trainers. 2,510,580, June 6.
Kail, Philip B., Denver, Colo. Stereoscopic plotting machine. 2,535,213. Dec. 26.
Kail, Simon, East Cleveland, Ohio. Furnace for bimetallic castings. 2,511,068, June 13.
Kailenta, John, Staten Island, N. Y. Sprayer regulator. 2,529,341, Nov. 7.
Kaim, Simon, assignor to John E. Fast & Co., Chicago, Ill. Brake for capacitor winding machines. 2,531,913, Nov. 28.
Kaim, Simon, assignor to John E. Fast & Co., Chicago, Ill. Capacitor winding machine. 2,532,171, Nov. 28.
Kaiser Aluminum & Chemical Corporation, assignee: *See*—
Adams, Earl W.
Byrns, Alva C.
Cundiff, Winston H.
Fieser, Louis F., and V. Loenen.
Porter, John L.
Rawn, William L., Jr.
Van Loenen William F.
Woodward, Teynham.
Zeigler, Paul P., and St. John.
Kaiser, Donald W.: *See*—
Nagy, Daniel E., and Kaiser.
Thurston, Jack T., and Kaiser.
Wystrach, Vernon P., and Kaiser.
Kaiser, Donald W., Riverside, and B. C. Redmon, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Cyanomelamines and the preparation thereof. 2,510,981, June 13.
Kaiser, Edward W., Chicago, Ill. Prefabricated piping system. 2,511,343, June 13.
Kaiser, Emil, and J. Svarz, assignors to Armour and Company, Chicago, Ill. Derivatives of diethylstilbestrol. 2,502,324, Mar. 28.
Kaiser, Emil, and J. Svarz, assignors to Armour and Company, Chicago, Ill. Derivatives of hexestrol. 2,502,325, Mar. 28.
Kaiser, Emil, and J. Svarz, assignors to Armour and Company, Chicago, Ill. i-cholesterylmalonic acid and derivatives thereof. 2,520,726, Aug. 29.
Kaiser-Frazer Corporation, assignee: *See*—
Lange, Hans D.
Kaiser, Fred, Brooklyn, N. Y. Locking means for door latches. 2,505,188. Apr. 25.
Kaiser, Frederick W., Merino, Colo. Swing support. 2,523,574, Sept. 26.
Kaiser, H. S., Company, assignee: *See*—
Kaiser, Harry S.
Kaiser, Harry S., assignor to H. S. Kaiser Company, Chicago, Ill. Dehydration of liquids. 2,525,224, Oct. 10.
Kaiser, Henry J., Company, assignee: *See*—
Scheer, George B.
Kaiser, Herman F., Washington, D. C. Radiographic scanning unit. 2,511,853, June 20.
Kaiser, Herman F., Washington, D. C. Radiographic unit. 2,528,521, Nov. 7.
Kaiser, Herman F., Washington, D. C., and L. A. Carapella, Pittsburgh, Pa. X-ray diffraction apparatus. 2,500,948, Mar. 21.
Kaiser, Herman F., and O. E. Berg, Washington, D. C. Application of radiography to infrared phosphors. 2,523,306, Sept. 26.
Kaiser Metal Products, Inc., assignee: *See*—
De Ganahl, Carl, Coffin, and Basch.
Knox, Thomas.
Shaw, George W.
Kaiser, Morris A., assignee: *See*—
Kiser, Ernest L.
Kaiser, Otto, Dornach, assignor to Ciba Limited, Basel, Switzerland. Trisazo-dyestuffs. 2,493,975, Jan. 10.
Kaiser, Robert A., Flushing Heights, and T. W. Kerr, Lindenhurst, assignors to Republic Aviation Corporation, near Farmingdale, N. Y. Dual aircraft control assembly. 2,507,600, May 16.
Kajdan, Chester C., assignor to Irving Air Chute Co., Inc., Buffalo, N. Y. Parachute harness. 2,516,004, July 18.
Kalamazoo Limited, assignee: *See*—
Cherry, Harold A.
Kalamazoo Sled Company, assignee: *See*—
Weirick, Burnell E.
Kalamazoo Stove and Furnace Company, assignee: *See*—
Cook, James M.
Cook, James M., and Salter.
Kalamazoo Vegetable Parchment Company, assignee: *See*—
Hayward, Ralph A.
Jones, Harold H.
Kalan Uniform Co., Inc., assignee: *See*—
Kahn, James M.
Kalart Company, Inc., The, assignee: *See*—
Castedello, William, and Lohmeyer.
Schwartz, Morris.
Schwartz, Morris, and Castedello.
Wallendorf, Edward F.
Kalb, John W., Pittsfield, Mass., assignor to General Electric Company. Protective device. 2,503,911, Apr. 11.
Kalen, Edwin T., and F. B. Scofield, Eugene, Oreg. Automatic safety shut-off valve. 2,515,516, July 18.
Kalenian, Aram: *See*—
Guiler, Cameron, and Kalenian.
Kaler, Clifford P., Lansdale, Pa. Stocking manufacture. 2,528,371, Oct. 31.
Kalff, Louis C., C. H. Morel and G. J. Siezen, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Cabinet structure for television receivers. 2,509,508, May 30.
Kalin, Walter, West Millington, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Piezoelectric crystal mounting. 2,518,331, Aug. 8.
Kalina, Anton: *See*—
Melchior, Wilhelm, and Kalina.
Kalina, Martin H., Chicago, Ill., assignor, by mesne assignments, to Wetherill Engineering Company. Valve arrangement. 2,515,231, July 18.
Kalina, Martin H., Chicago, Ill., assignor, by mesne assignments, to Wetherill Engineering Company, Philadelphia, Pa. Automatic mold clamp. 2,515,654, July 18.
Kalisz, Steve, assignor to S. Lakomski, Chicago, Ill. Whistling windmill toy. 2,522,376, Sept. 12.
Kalitinsky, Andrew: *See*—
Cronstedt, Val, Sprenkle, and Kalitinsky.
Kalitinsky, Andrew, Eagleville, assignor to United Aircraft Corporation, East Hartford, Conn. Starting free-piston unit. 2,501,056, Mar. 21.
Kalitinsky, Andrew, Eagleville, assignor to United Aircraft Corporation, East Hartford, Conn. Valve construction for free piston compressors. 2,523,376, Sept. 26.
Kalitinsky, Andrew, Eagleville, Conn., and C. R. Soderberg, Weston, Mass., assignors to United Aircraft Corporation, East Hartford, Conn. Cooling turbine rotor. 2,532,721, Dec. 5.
Kallam, Floyd L., Pasadena, Calif. Water-tube boiler. 2,529,611, Nov. 14.
Kallas, Danos H., and S. A. Eller, New York, N. Y., and E. Di Liberti, Secaucus, N. J. Heat-distortion testing apparatus. 2,504,985, Apr. 25.
Kallgren, Carl A., Chicago, Ill., assignor to International Harvester Company. Cotton picker spindle. 2,497,776, Feb. 14.
Kallio, Richard K., Washington, D. C. Adjustable daylight film developing tank. 2,526,366, Oct. 17.
Kallmann, Heinz E., New York, N. Y. Combined tube socket and by-pass condenser. 2,496,095, Jan. 31.
Kallmann, Heinz E., New York, N. Y. Television receiver. 2,505,862, May 2.
Kallmann, Heinz E., New York, N. Y. Radio-frequency transmission line section. 2,512,945, June 20.
Kallmann, Heinz E., New York, N. Y. Optical automatic range determining device. 2,524,807, Oct. 10.
Kalman, Anna, executrix: *See*—
Kalman, Nicholas L.
Kalman, Laszlo, La Tour-de-Peilz, Switzerland. Optical comparison exposure meter used in photographic enlarging or reproducing work. 2,493,673, Jan. 3.
Kalman, Nicholas L., deceased, late of Rutherford, N. J., by A. Kalman, executrix, Essex County, N. J., assignor, by mesne assignments, to Pierce Laboratory, Inc., New York, N. Y. Separating rosin acids from mixed materials. 2,532,101, Nov. 28.
Kalmar, Arthur F., Riverside, R. W. Kilburn and H. M. Pancoast, Jr., assignors to Food Machinery and Chemical Corporation, San Jose, Calif. Producing fresh whole peeled potato products. 2,506,793, May 9.
Kalmus, Henry P., Chicago, Ill., assignor to Zenith Radio Corporation. Electrical translating means and variable-inductor transducer therefor. 2,531,689, Nov. 28.
Kalmus, Henry P., Washington, D. C., assignor to Zenith Radio Corporation. Temperature-compensated vibratory system. 2,516,393, July 25.
Kalmus, Henry P., Washington, D. C., and M. Sanders, Silver Spring, Md. Light-intensity measuring device. 2,500,547, Mar. 14.
Kalmus, Henry P., and C. W. Carnahan, Oak Park, Ill., assignors to Zenith Radio Corporation. Time modulated wave receiver. 2,507,409, May 9.
Kalmus, Henry P., Washington, D. C., and R. L. Price, Chicago, Ill., assignors to Zenith Radio Corporation. Signal translating apparatus. 2,516,392, July 25.

Kalom, Lawrence, Chicago, Ill. Electrical probe. 2,516,882, Aug. 1.
Kalous, Leonard M.: *See*—
Johnson, Harry G., and Kalous.
Kaltenbach, Carl, and L. Schmitt, Bronx, N. Y. Agitator. 2,526,367, Oct. 17.
Kaltenberger, Lloyd H.: *See*—
Atanasoff, John V., and Kaltenberger.
Kaltenberger, Lloyd H., Breckenridge, Tex. Device for detonating explosives in oil wells. 2,506,836, May 9.
Kalwo, Ludwig J., assignor to Trine Manufacturing Corporation, New York, N. Y. Electrical switch. 2,493,146, Jan. 3.
Kamara, Sori B., Chicago, Ill. Electromechanical hair curler. 2,524,058, Oct. 3.
Kamborian, Jacob S., West Newton, Mass. Apparatus for contracting the margin of sheet material. 2,509,149, May 23.
Kamfjord, Nils R., Nøtterøy, Norway. Adjustable hinge. 2,532,772, Dec. 5.
Kamhi, Raphael, Norwalk, Conn. Reversible skirt. 2,515,089, July 11.
Kamin, Charles G.: *See*—
Bordner, Charles A., and Kamin.
Kamin, George W.: *See*—
Port, Frederick J., Jr., Kamin, and Zaltzman.
Kaminky, Herbert E., Chicago, Ill. Liquid level electrical transmitter. 2,524,261, Oct. 3.
Kaminky, Oscar H., Sycamore, Ill., assignor to First Industrial Corporation, Wilmington, Del. Snap action mechanism. 2,510,021, May 30.
Kaminky, Oscar H., Sycamore, Ill., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Snap acting control mechanism. 2,513,804, July 4.
Kaminky, Oscar H., Sycamore, and S. G. Ransome, Freeport, Ill., assignors to First Industrial Corporation, Wilmington, Del. Electric switch actuator. 2,511,271, June 13.
Kaminski, Bronislaus B., Grand Rapids, Mich. Door stopper. 2,500,416, Mar. 14.
Kaminski, David D., Manitowoc, Wis. Branch holder. 2,502,049, Mar. 28.
Kaminski, John: *See*—
Chodacki, Joseph P., and Kaminski.
Kaminski, Mary A., Lackawanna, N. Y. Baby carrier. 2,496,216, Jan. 31.
Kamler, Benedict R., South Haven, Mich., assignor to E. Gray, Chicago, Ill. Tone arm protecting mechanism. 2,532,555, Dec. 5.
Kamlet, Jonas, New York, N. Y., assignor to Mathieson Chemical Corporation. Manufacture of sulfamates. 2,514,955, July 11.
Kamlukin, Igor A., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Power transmitting mechanism. 2,506,670, May 9.
Kamm, Jack B., Chicago, Ill. Vertical slat blind construction. 2,503,441, Apr. 11.
Kammer, George S., Great Bookham, Leatherhead, England. Pilot fuel injector. 2,521,224, Sept. 5.
Kammerer, Gerald P.: *See*—
Whipple, Jack V., and Kammerer.
Kamp, James V., and T. S. Damon, Salem, Ill. Cosmetic dispenser. 2,500,687, Mar. 14.
Kamp, Paul B., Wolf Point, Mont., assignor to Strate-Line Company, Williston, N. Dak. Line marker. 2,524,596, Oct. 3.
Kampa, Edmund P., Cedarburg, Wis. Integral hinge for receptacle closures. 2,509,355, May 30.
Kamrath, Herbert G., Gastonia, N. C., assignor to General Motors Corporation, Detroit, Mich. Air cleaner. 2,493,352, Jan. 3.
Kanagawa, Shigeo, San Marino, Calif. Plant hole trowel. 2,510,584, June 6.
Kanarek, Joseph S., Chicago, Ill. Shirt cuff fastening device. 2,535,139, Dec. 26.
Kandarian, Samuel M., Fowler, Calif. Toilet paper holder. 2,533,018, Dec. 5.
Kandle, Charles W., Chicago, Ill. Drill guide. 2,524,262, Oct. 3.
Kandoian, Armig G., Glen Rock, N. J., assignor to International Standard Electric Corporation, New York, N. Y. Pulsed oscillator. 2,509,235, May 30.
Kandoian, Armig G., Glen Rock, N. J., assignor to Federal Telecommunication Laboratories, Inc., New York, N. Y. High-frequency reactance circuits. 2,510,982, June 13.
Kandoian, Armig G., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Radio-frequency artificial load. 2,495,733, Jan. 31.
Kandoian, Armig G., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Antenna. 2,507,528, May 16.
Kandoian, Armig G., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Feedback coupling circuit. 2,523,307, Sept. 26.
Kane, Anna, administratrix: *See*—
Foerste, William.
Kane, David D., Chicago, Ill. Container for a set of socket wrenches. 2,509,507, May 30.
Kane, John T., Binghamton, N. Y. Intramedullary splint. 2,518,019, Aug. 8.
Kane, Jasper H.: *See*—
Sobin, Ben A., Finlay, and Kane.
Kane, Marshall W.: *See*—
Amon, William F., Jr., and Kane.
Kane, Paul, and M. S. Sisulak, Chicago, Ill., assignors to International Harvester Company. Windrow harvester. 2,507,719, May 16.
Kane, Saul A., Washington, D. C. Thermally actuated friction clutch. 2,502,461, Apr. 4.
Kane, Saul A., Washington, D. C. Cooling means for gas turbogenerators. 2,508,397, May 23.
Kane, Saul A., Washington, D. C. Method and apparatus for cooling turbogenerators and reducing windage losses. 2,511,854, June 20.
Kane, Stanley E., assignor to Mosebach Electric & Supply Company, Pittsburgh, Pa. Electrical connector. 2,532,454, Dec. 5.
Kanehl, Hubert E., Solomon, Kans. Rug shuttle. 2,507,907, May 16.
Kaneshiro, Kame: *See*—
Teruya, Jenshiro, and Kaneshiro.
Kanne, William R., Chicago, Ill., assignor to the United States of America as represented by the United States Atomic Energy Commission. Detecting device. 2,513,805, July 4.
Kannenberg, Walter F.: *See*—
Brehm, Harold B., and Kannenberg.
Kannenberg, Walter F., Gillette, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Automatic volume control. 2,503,391, Apr. 11.
Kannenberg, Walter F., Gillette, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Relay circuit. 2,508,029, May 16.
Kanner, Morton H., deceased, late of New York, N. Y., by S. Kanner, administrator, New York, N. Y., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Controlled width pulse generator. 2,496,543, Feb. 7.
Kanner, Samuel, administrator: *See*—
Kanner, Morton H.
Kanner, Samuel, assignor to The Gilfred Corp., New York, N. Y. Clip for pens or similar articles. 2,498,857, Feb. 28.
Kanning, Eugene W., E. G. Bobalek, and E. G. Hart, assignors to The Arco Company, Cleveland, Ohio. Interpolymer produced from polyhydric alcohol, polybasic acid, and interpolymer of vinylaromatic compound with drying oil or acid. 2,495,458, Jan. 24.
Kansas City Testing Laboratory, assignee: *See*—
Cross, Roy.
Kantola, Carl F., Dumont, N. J. Water supplying and distributing means for locomotive tenders. 2,534,452, Dec. 19.
Kantola, Carl F., Dumont, N. J. Air venting and water overflow means for locomotive tenders. 2,534,453, Dec. 19.
Kant-Refil, Limited, assignee: *See*—
Moore, David P.
Kantor, Harry, Woodmere, assignor to Paul Prescott, Inc., New York, N. Y. Garment. 2,501,818, Mar. 28.
Kantor, Irving, Brooklyn, N. Y. Support table for bed and cylinder printing presses. 2,505,495, Apr. 25.
Kantor, James, assignor to The Liquid Carbonic Corporation, Chicago, Ill. Bottle mixer spinner drive. 2,503,742, Apr. 11.
Kantor, James, assignor to The Liquid Carbonic Corporation, Chicago, Ill. Bottle filler valve. 2,514,072, July 4.
Kantrowitz, Morris S., and E. J. Gosnell, Washington, D. C. Water-detecting paper and a water-detecting coating composition therefor. 2,515,232, July 18.
Kany, James P., San Diego, Calif. Building block. 2,498,276, Feb. 21.
Kapecki, Alfred F., Chicago, Ill., assignor to The Givaudan Corporation. Preparing Cr_2O_3-hydrogenating metal oxide catalysts. 2,512,653, June 27.
Kapelis, Socrates H., El Cerrito, Calif. Bending apparatus. 2,533,470, Dec. 12.
Kaplan, Irving, assignee: *See*—
Spencer, Lloyd.
Kaplan, Jack, Brooklyn, N. Y. Flash lamp. 2,531,220, Nov. 21.
Kaplan, Jacob, Bronx, N. Y. Articulated ornamental covering for flexible apparel accessories. 2,502,221, Mar. 28.
Kaplan, Jacob J., Boston, Mass. Necktie and making it. 2,504,843, Apr. 18.
Kaplan, Julius F., and C. Mellick, assignors to The Edwal Laboratories, Inc., Chicago, Ill. Preparing phenyl mercuric acetate and nitrate. 2,502,222, Mar. 28.
Kaplan, Julius F., and C. Mellick, assignors to The Edwal Laboratories, Inc., Chicago, Ill. Preparing ortho-halomercuriphenol. 2,502,382, Mar. 28.
Kaplan, Leonard, Washington, D. C., assignor to E. T. Lord, Washington County, Md. Vending machine. 2,525,682, Oct. 10.
Kaplan, Mandel, Chicago, Ill. Electric stove. 2,510,116, June 6.
Kaplan, Marvin, Bronx, N. Y. Two-part cable-clamping insulator and holder. 2,515,603, July 18.
Kaplan, Morris, Chicago, Ill. Electric plug. 2,496,476, Feb. 7.
Kaplan, Morris L., assignor to The Shirtcraft Co., Inc., Hazleton, Pa. Cuff. 2,524,448, Oct. 3.
Kaplan, Murray, New York, N. Y. Fluid apparatus. 2,508,950, May 23.

Kaplan, Philip, Lowell, Mass. Machine for and process of uniting looped fabrics. 2,518,552, Aug. 15.

Kaplan, William, Brooklyn, assignor to Sun Chemical Corporation, New York, N. Y. Production of derivatives of oleonitrile having surface active properties. 2,495,105, Jan. 17.

Kaplowitz, Morris, New York, N. Y., assignor to Federal Manufacturing & Engineering Corp. Camera shutter and synchronizing switch. 2,498,277, Feb. 21.

Kaplowitz, Morris, New York, N. Y., assignor to Federal Manufacturing & Engineering Corp. Holder for light-control devices. 2,498,278, Feb. 21.

Kaplowitz, Morris, New York, N. Y., assignor to Federal Manufacturing & Engineering Corp. Photographic shutters having movable blade and retarding means. 2,498,279, Feb. 21.

Kapp, Robert P., State College, and C. W. Knisely, Pine Grove Mills, Pa., assignors, by mesne assignments, to The Texas Company, New York, N. Y. Grease lubricated journal bearing with deflectors. 2,503,442, Apr. 11.

Kapp, Roland: *See*—
Levy, Joseph, and Kapp.

Kapp, Roland, Newark, and R. Griffith, Shrewsbury, assignors to Nopco Chemical Company, Harrison, N. J. Dehalogenation process. 2,506,457, May 2.

Kapp, Roland, Newark, and R. Griffith, Shrewsbury, assignors to Nopco Chemical Company, Harrison, N. J. Hydrolysis of steroid semicarbazones. 2,530,334, Nov. 14.

Kapp, Roland, Newark, F. D. Pickel, Flemington, and L. T. Rosenberg, Ridgefield Park, assignors to Nopco Chemical Company, Harrison, N. J. Extraction of lactones. 2,494,338, Jan. 10.

Kappel, Boris, North Fitzroy, Victoria, Australia. Apparatus for preventing theft and unauthorized use of automobiles. 2,515,044, July 11.

Kappel, John, Chicago, Ill. Multiple tray supporting rack. 2,511,715, June 13.

Kappeler, Markus, Basel, assignor to Sandoz Ltd., Fribourg, Switzerland. Dyestuffs of the stilbene series and their manufacture. 2,518,020, Aug. 8.

Kappen, John W., Dayton, Ohio. Material handling apparatus. 2,521,727, Sept. 12.

Kapuczin, Dave, Mentone, Calif. Measuring instrument. 2,512,863, June 27.

Karash, Walter P.: *See*—
Moy, Paul W., and Karash.

Karassik, Igor J., South Orange, assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Circulating pump for steam generators. 2,495,525, Jan. 24.

Karcher, Harry C., and D. Gerdan, Indianapolis, Ind., assignors to General Motors Corporation, Detroit, Mich. Valve seat insert. 2,517,114, Aug. 1.

Kardon, Emanuel S., Melrose Park, Pa. Bag and making the same. 2,496,796, Feb. 7.

Kardos, Otto: *See*—
Diggin, Myron B., and Kardos.

Karey, Romuald: *See*—
Hackethal, Paul F., and Karey.

Karhu, Ilmar J., Ewen, Mich. Well digger. 2,499,508, Mar. 7.

Kark, Charles L., Johannesburg, Transvaal, Union of South Africa. Spraying or projecting powder. 2,501,279, Mar. 21.

Karl, Josef S., Athens, Ga. Electrical safety attachment for knitting machines. 2,527,822, Oct. 31.

Karlberg, Arvid E.: *See*—
Goldberg, Herman M., and Karlberg.

Karle, John D., Roselle Park, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Trephine. 2,504,075, Apr. 11.

Karle, John D., Roselle Park, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing machine lubrication. 2,505,330, Apr. 25.

Karleen, Edward H., Denville, assignor to Processing Equipment Corporation, Bloomfield, N. J. Power-operated hand tool. 2,531,849, Nov. 28.

Karlovich, Paul C., Oklahoma City, Okla. Device for measuring material discharged from a hopper for sacking. 2,525,225, Oct. 10.

Karlson, Karl R., Mobile, Ala., assignor to Reynolds Metals Company, Richmond, Va. Waterproof flexible folding container. 2,514,073, July 4.

Karlsson, Elof K., Moline, Ill., assignor to International Harvester Company. Wagon elevator throw-out mechanism. 2,533,814, Dec. 12.

Karlsson, Elof K., Moline, and A. H. Keller, Rock Island, Ill., assignors to International Harvester Company. Control mechanism for corn picker elements. 2,527,823, Oct. 31.

Karlsson, Karl A., Skäpafors, Sweden. Wire guide for papermaking machines. 2,494,245, Jan. 10.

Karlsson, Per H.: *See*—
Cooper, Roland S., and Karlsson.
Holm, Sven, and Karlsson.

Karlsson, Per Hilmer: *See*—
Holm, Sven, and Karlsson.

Karma Manufacturing Company, assignee: *See*—
Gaston, Ralph M.

Karnatz, Frank A.: *See*—
Cislak, Francis E., Karnatz and Kelley.

Karns, James A., Akron, Ohio. Multiple cavity mold for single tube tires and the like. 2,520,550, Aug. 29.

Karns, Saul J., Tuckahoe, N. Y. Wiring pattern for electrical apparatus. 2,508,030, May 16.

Karns, Sherman S., Fresno, Calif. Card filing system. 2,493,538, Jan. 3.

Karnuth, Richard E., Buffalo, N. Y., and H. F. Hume, Marshallton, Del., assignors to Curtiss-Wright Corporation. Aircraft control mechanism. 2,509,272, May 30.

Karp, Edward C., assignor to Sanitary Scale Company, Belvidere, Ill. Scale chart. 2,499,923, Mar. 7.

Karp, Marvin I., New York, N. Y. Match holder. 2,493,920, Jan. 10.

Karp, Max S., Los Angeles, Calif. Automatic phonograph record changer and player. 2,501,391, Mar. 21.

Karr, Harry E., assignee: *See*—
Harding, Hiram R.

Karrer, Paul, Zurich, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J. Manufacture of folic acid. 2,520,882, Aug. 29.

Karsted, Jessie W., Washington, D. C. Drip channel for vehicles having convertible tops. 2,524,171, Oct. 3.

Karweit, John W.. Skokie, Ill., assignor, by mesne assignments, to Ex-Cell-O Corporation, Detroit, Mich. Drill spindle and feed. 2,501,177, Mar. 21.

Kas, Harry O.: *See*—
Likes, Carl A., and Kas.

Kasakevitch, Andrew: *See*—
Kasakevitch, John J. and Andrew.

Kasakevitch, John J. and A., Peckville, Pa. Spring projector. 2,520,246. Aug. 29.

Kaschmitter, George W., Fenn, Idaho. Safety release hitch. 2,511,272, June 13.

Käser, Albert, Zug, Switzerland, assignor to Landis & Gyr A. G. Immersion temperature regulator with thermal reset. 2,493,456, Jan. 3.

Käser, Albert, Zug, Switzerland, assignor to Landis & Gyr, A. G. Toggle-lever switch. 2,528,756, Nov. 7.

Kasher, Sam, Flushing, N. Y. Electric lighting fixture. 2,499,250, Feb. 28.

Kashergen, John J., Bell, Calif. Separable swivel joint or spring lock swivel. 2,499,649, Mar. 7.

Kashian, Minas H., Boston, Mass. Hair-trimming scissors. 2,532,921, Dec. 5.

Kaskey, Louis G., and M. J. Chicago, Ill. Contoured pillow. 2,522,120, Sept. 12.

Kaskey, Mary J.: *See*—
Kaskey, Louis G., and M. J.

Kaslow, Arthur L., Holywood, Calif. Nasal oxygen feeder and method. 2,499,650, Mar. 7.

Kasnowich, Anthony M., Grand Rapids, Mich., assignor to A M I Incorporated, Chicago, Ill. Record changer. 2,527,936, Oct. 31.

Kasoff, Bertha, New York, N. Y. Sanitary napkin. 2,525,910, Oct. 17.

Kason Hardware Corporation, assignee: *See*—
Groeger, Alfred H.

Kasper, Arthur S., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Removing hydrogen embrittlement of bright nickel electrodeposits. 2,534,911, Dec. 19.

Kasper, Cass S., Grosse Pointe, Mich. Work checking machine. 2,493,147, Jan. 3.

Kasper, Frank L., assignee: *See*—
Stubbins, William H.

Kasperowicz, Henry, assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Color television. 2,508,267, May 16.

Kass, Harry, Corona, N. Y. Pocket device for garments. 2,501,338. Mar. 21.

Kass, Lawrence W., assignor to Grip Nut Company, Chicago, Ill. Brake beam safety support. 2,505,974, May 2.

Kass, Lawrence W., and C. A. Henrickson, assignors to Grip Nut Company, Chicago, Ill. Brake beam safety support. 2,514,074, July 4.

Kass, Peter, Wilmington, Del., and J. Nichols, assignors to Interchemical Corporation, New York, N. Y. Drying oils. 2,497,890, Feb. 21.

Kass, Samuel M., Philadelphia, Pa. Adapter. 2,534,912, Dec. 19.

Kassab, George, Wallingford, Pa., assignor to General Electric Company. Steam iron steam generating means and water supply means therefor. 2,500,185, Mar. 14.

Kassab, George, Wallingford, Pa., assignor to General Electric Company. Reservoir and liquid supply system for steam irons. 2,515,776, July 18.

Kassel, Louis S., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Manufacture of inorganic oxide spherical particles. 2,496,396, Feb. 7.

Kassel, Louis S., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Centrifugal separator. 2,535,140, Dec. 26.

Kassel, Morris B., New York, N. Y. Cutting device. 2,523,575, Sept. 26.

Kasselmann, George J.: *See*—
Siekmann, Harold J., and Kasselmann.

Kassner, William G., Pontiac, Mich. Gauge device for use with a press. 2,518,791, Aug. 15.

Kassovic, Stephen, La Salle, Ill. Dispenser cigarette case. 2,506,600, May 9.

Kassovic, Stephen, La Salle, Ill. Dispenser cigarette case. 2,509,150, May 23.

Kaste, Louis I., Mahnomen, Minn. Fish lure. 2,507,908, May 16.

Kasten, Walter, Franklin, assignor to Renniks Company, Detroit, Mich. Pressure-sealing means. 2,509,151, May 23.
Kasten, Walter, Franklin, assignor to Skinner Motors, Inc., Detroit, Mich. Two-cycle type slide-valve internal-combustion engine. 2,516,325, July 25.
Kasten, Walter, Franklin, assignor to Skinners Motors, Inc. (Delaware), Detroit, Mich. Internal-combustion engine ported sealing-ring positioning means. 2,534,029, Dec. 12.
Kastner, Edward C., assignor to Akron Standard Mold Company, Akron, Ohio. Method and machine for extracting air bags. Re. 23,249, July 18.
Kastner, Edward C., assignor to Akron Standard Mold Company, Akron, Ohio. Method and apparatus for stripping articles from molds. 2,508,522, May 23.
Kastner, Edward C., assignor to The Akron Standard Mold Company, Akron, Ohio. Machine for extracting air bags. 2,517,438, Aug. 1.
Kastner, Edward C., assignor to Akron Standard Mold Company, Akron, Ohio. Servicing machine for building tires. 2,521,728, Sept. 12.
Kaszolka, Leonard W., assignor to K.-W. Products, Inc., Milwaukee, Wis. Tap for making screw threads. 2,518,898, Aug. 15.
Kaszuba, Frank J., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Producing sheetings of a water-soluble film-forming material. 2,514,131, July 4.
Kaszuba, Frank J., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Production of gelatin solutions of increased viscosity. 2,522,042, Sept. 12.
Katchatouroff, Leon, and M. A. Lalande, Paris, France, assignors to International Standard Electric Corporation, New York, N. Y. Carrier wave signal system. 2,510,117, June 6.
Katcher, Morris, New York, N. Y. Segmental pump lever for use with driving means of differently constructed engines. 2,507,339, May 9.
Katcher, Morris, New York, N. Y. Magnetic fuel pump. 2,534,520, Dec. 19.
Kateley, Francis W., Upper Darby, assignor to ACF-Brill Motors Company, Philadelphia, Pa. Fuel pump mounting. 2,530,357, Nov. 14.
Kathe, Leo, Cleveland, Ohio. Thermostatically controlled safety pilot burner and switch device for burner systems. 2,494,660, Jan. 17.
Kather, Erich N., South Lincoln, assignor to Raytheon Manufacturing Company, Newton, Mass. Tunable electron discharge device. 2,529,950, Nov. 14.
Katow, Masakazu S., Chicago, Ill., assignor to Chicago Pump Company. Hoist. 2,527,097, Oct. 24.
Kattner, Wilbert W., assignor of one-half to Mid-Tex Motors Inc., Waco, Tex. Hydraulic brake bleeding and filtering system. 2,502,050, Mar. 28.
Katz, Joseph, New York, N. Y. Roof scraping machine. 2,519,138, Aug. 15.
Katz, Leon: *See*—
Matland, Carl G., and Katz.
Katz, Martin, New York, N. Y. Adjustable radiator enclosure. 2,500,037, Mar. 7.
Katz, Robert W.: *See*—
Hammond, Harold W., and Katz.
Katz, Robert, Yellow Springs, Ohio. Antenna guy fitting. 2,535,072, Dec. 26.
Katz, Sidney H., Edgewood Arsenal, Md. Producing and recovering fine carbon smoke particles and apparatus therefor. 2,528,522, Nov. 7.
Katzberg, Eugene, New York, N. Y. Umbrella lock. 2,528,002, Oct. 31.
Katzberg, Eugene, New York, N. Y. Umbrella lock. 2,528,003, Oct. 31.
Katzen, Cyrus, and T. R. Games, Washington, D. C. Automatic X-ray film processing apparatus. 2,534,603, Dec. 19.
Katzen, Cyrus, and T. R. Games, Washington, D. C. Photo film processing apparatus. 2,534,604, Dec. 19.
Katzenberger, Edward F.: *See*—
Sikorsky, Igor I., Hunt, and Katzenberger.
Katzman, Jacob: *See*—
Dubilier, Philip, and Katzman.
Katzman, Jacob, and P. Dubilier, New York, N. Y. Electrical connecting lugs. 2,495,734, Jan. 31.
Katzman, Max, Brooklyn, N. Y. Vaporizer. 2,497,612, Feb. 14.
Katzman, Morris, and A. K. Epstein, assignors to The Emulsol Corporation, Chicago, Ill. Ether derivatives. 2,496,875. Feb. 7.
Katzmann, Helmuth R., Buffalo, N. Y. Closure for collapsible tubes. 2,529,554, Nov. 14.
Katzow, Abram, Indianapolis, Ind. Refrigerating system. 2,497,819, Feb. 14.
Katzow, Abram, Indianapolis, Ind. Heat operated compression refrigeration. 2,511,716, June 13.
Kauffman, Howard B., Cuyahoga Falls, Ohio. Combination high chair. 2,494,045, Jan. 10.
Kauffman, John P., assignor of twenty-five per cent to L. Mech, Blue Island, Ill. Combination table and case. 2,515,876, July 18.
Kaufman, Charles H., San Antonio, Tex. Lawn rake. 2,529,025, Nov. 7.
Kaufman, Charles W., Tenafly, N. J., assignor to General Foods Corporation, New York, N. Y. Pectin jelly compositions. 2,533,471, Dec. 12.
Kaufman, Joseph M. S., Arlington County, S. Krasnow, Fairfax County, Va., and J. A. Schaerfl, Washington, D. C., assignors to S. Krasnow, Fairfax, Va. Manufacture of hollow floats of thin metal for ship compasses. 2,505,776, May 2.
Kaufman, Louis W., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrode construction. 2,508,171, May 16.
Kaufman, Maxime G., Washington, D. C. Pulse signaling system. 2,515,452, July 18.
Kaufman, Robert R., assignor to The Master Builders Company, Cleveland, Ohio. Measuring dispenser with timer-actuated draining and refilling means. 2,507,255, May 9.
Kaufman, Seymour: *See*—
Afton, Leonard N., and Kaufman.
Kaufmann Corporation, The, assignee: *See*—
Kaufmann, Harry A.
Kaufmann, Dale W., Buffalo, N. Y., assignor to International Salt Company, Inc., Scranton, Pa. Method and apparatus for automatic strength regulation and filtration of brines. 2,508,170, May 16.
Kaufmann, Fred H., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Vitreous compositions and making the same. 2,527,884, Oct. 31.
Kaufmann, Harry A., assignor to The Kaufmann Corporation, Detroit, Mich. Meeting rail latch. 2,534,605, Dec. 19.
Kaufmann, John J., Elkins Park, assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa. Loom harness. 2,511,822, June 13.
Kaufmann, John J., Elkins Park, assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa. Loom harness. 2,522,043, Sept. 12.
Kaufmann, John J., Elkins Park, assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa. Heddle. 2,529,555, Nov. 14.
Kaufmann, John J., Jr., Greenville, S. C., assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa. Loom shuttle tensioning device. 2,518,696, Aug. 15.
Kaufmann, Muriel W.: *See*—
Lawrence, Ray V., and Kaufmann.
Kaufmann, Stephen: *See*—
Rosenkranz, George, and Kaufmann.
Kaufmann, Stephen, and G. Rosenkranz, assignors to Syntex, S. A., Mexico City, Mexico. Production of pseudo-kryptogenins from kryptogenins. 2,535,073, Dec. 26.
Kaupke, Edith M., Bisbee, Ariz. Sewing necktie. 2,502,462, Apr. 4.
Kaupke, Lee H., and R. R. Raney, La Grange, Ill., assignors to International Harvester Company. Baler construction. 2,517,439, Aug. 1.
Kaupp, Henry, Glendale, assignor to The Roberts Numbering Machine Co., Inc., Brooklyn, N. Y. Glow switch. 2,494,560, Jan. 17.
Kautenberg, William E., Freeport, Ill. Sponge cleaning device. 2,517,213, Aug. 1.
Kautenberg, William E., Freeport, Ill. Sponge mop. 2,525,605, Oct. 10.
Kauth, Henry J., Waverly, N. Y. Insulating electrical equipment. 2,511,436, June 13.
Kavanagh, Arthur J.: *See*—
Lowber, David D., and Kavanagh.
Kaye, Gerald O.: *See*—
Strauss, Irving, and Kaye.
Kawecki, Henry C., Fleetwood, assignor to The Beryllium Corporation, Reading, Pa. Production of beryllium oxide. 2,504,696, Apr. 18.
Kawecki, Henry C., Fleetwood, and G. F. Simons, South Temple, assignors to The Beryllium Corporation, Reading, Pa. Production of ammonium beryllium fluoride. 2,532,102, Nov. 28.
Kawnee R. Company, The, assignee: *See*—
Simpson, Arthur M.
Kawneer Company, The, assignee: *See*—
Miller, James T.
Kay, Charles M., Worcester, Mass., and J. C. Witherspoon, Monongahela, Pa., assignors to The American Steel and Wire Company of New Jersey. Operating open-hearth furnaces. 2,534,454, Dec. 19.
Kay, Eugene W., and R. L. Fortner, Glendale, Calif. Helicopter. 2,521,012, Sept. 5.
Kay, John F., assignor of one-third to said Kay, one-third to V. A. Brooks, and one-third to H. H. Hitzeman, Chicago, Ill. Wardrobe hanger. 2,529,296, Nov. 7.
Kay Manufacturing Corporation, assignee: *See*—
Myers, Don D.
Kay, Otto, Syracuse, N. Y., assignor to The Allied Chemical & Dye Corporation. Shipping caustic soda liquors. 2,526,878, Oct. 24.
Kayatt, Philip J., New York, N. Y. Instrument panel illumination. 2,531,516, Nov. 28.
Kaye, Karl H., assignee: *See*—
Fredrick, Charles P.
Kaye, Kenneth I., Green Bay, Wis. Combination play pen and sandbox. 2,529,951, Nov. 14.
Kaye, Philip D.: *See*—
Klepetko, Ernest, Kaye, and Hartzell, Jr.
Kayfetz, Harry, Miami, Fla. Wheel mounter. 2,499,758, Mar. 7.

Kay-Fries Chemicals, Inc., assignee: *See*—
Elkinton, Herbert R., Kesslin, and Nicholl.
Kayler, Frank H., Alliance, Ohio, assignor to American Steel Foundries, Chicago, Ill. Operating rod. 2,505,408, Apr. 25.
Kaylor, James W., Burbank, A. F. Phelps, West Hollywood, L. G. Jones, North Hollywood, and W. R. Holm, West Hollywood, Calif., assignors to Cinecolor Corporation. Feeding and superimposing two films. 2,511,344, June 13.
Kaysen, Raymond, Philadelphia, Pa. Advertising display. 2,507,909, May 16.
Kayser, Allan J., assignor to K & K Manufacturing Company, Denver, Colo. Hay distributing truck. 2,496,876, Feb. 7.
Kayser, Allan J., Denver, Colo. Mower attachment for motor vehicles. 2,529,612, Nov. 14.
Kayser, Julius, & Co., assignee: *See*—
Mack, Sterling C.
Straussberger, John H.
Kaytor, John C., Lynwood, Calif. Garage door and remote control therefor. 2,532,722, Dec. 5.
Kazal, Louis A., Upper Darby, assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa. Thromboplastin as testing agent. 2,516,216, July 25.
Kazimier, Julian C., assignor to Amos-Thompson Corporation, Edinburg, Ind. Box and hinge structure therefor. 2,508,951, May 23.
Keall, Frank B.: *See*—
White, Percy, and Keall.
Keagle, Stanley E., Minneapolis, Minn. Nest construction. 2,494,709, Jan. 17.
Kean, Clare H., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Mounting elongated magnetostrictive elements. 2,497,172, Feb. 14.
Kean, Clare H., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Acoustic well logging apparatus. 2,530,971, Nov. 21.
Keane, Patrick M., San Francisco, Calif. Clothesline support. 2,518,792, Aug. 15.
Kear, Allen T., Goodland, Kans. Aerated minnow bucket. 2,507,444, May 9.
Kearby, Kenneth K.: *See*—
Corner, Eugene S., and Kearby.
Kearby, Kenneth K., Cranford, N. J., assignor to Standard Oil Development Company. Chewing dentifrices. 2,525,072, Oct. 10.
Kearfott Company, Inc., assignee: *See*—
Freedman, Rudolph, and Dube.
Reichel, Wladimir A.
Reichel, Wladimir A., and Emerson.
Rose, Howard E.
Kearn, Roscoe, assignee: *See*—
Dole, William E., Jr.
Kearney, James R., Corporation, assignee: *See*—
Fox, Charles A.
Graham, Roy G.
Heinrich, Walter A.
Kearney, James R.
Runde, Kenneth R.
Runde, Kenneth R., and Rees.
Spears, Verian W.
Van Auken, Milo E.
Kearney, James R., assignor to James R. Kearney Corporation, St. Louis, Mo. Electrical connector. 2,514,398, July 11.
Kearney, Thomas J., Dublin, Eire. Apparatus for showing table accommodations in restaurants. 2,521,225, Sept. 5.
Kearney, Thomas J., and F. E. McGregor, assignors to Detrex Corporation, Detroit, Mich. Mechanism for loading and unloading. 2,529,297, Nov. 7.
Kearney & Trecker, assignee: *See*—
Wetzel, Theodore A.
Kearney & Trecker Corporation, assignee: *See*—
Armitage, Joseph B.
Armitage, Joseph B., and Barker.
Armitage, Joseph B., Eserkaln, and Wetzel.
Armitage, Joseph B., and Flannery.
Eserkaln, Theodore F., and Parske.
Parsons, Fred A.
Riedel, Kurt A.
Kearny, Cresson H., San Antonio, Tex. Harpoon gun. 2,496,217, Jan. 31.
Kearse, George P., assignor to American Phenolic Corporation, Chicago, Ill. Antenna system. Re. 23,273, Sept. 26.
Kearsley, William K., Schenectady, N. Y., assignor to General Electric Company. X-ray table for patients. 2,504,697, Apr. 18.
Kearsley, William K., Schenectady, N. Y., assignor to General Electric Company. Flowmeter. 2,518,149, Aug. 8.
Keasbey & Mattison Company, assignee: *See*—
Ashman, Herbert W.
Keating, Richard T., Oak Park, Ill. Thermostat. 2,503,554, Apr. 11.
Keaton, Clark M., assignor to American-Marietta Company, Seattle, Wash. Adhesive tape. 2,495,008, Jan. 17.
Keay, William, Springfield, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Liquid fuel furnace. 2,518,021, Aug. 8.
Kebler, Leonard, Bronxville, N. Y., assignor to Ward Leonard Electric Company. Rheostat. 2,512,745, June 27.
Kebour, Joseph N., Hartford, Conn. Precision layout gauge for drill guides. 2,497,733, Feb. 14.
Kebrich, Leonard M., Brooklyn, assignor to National Lead Company, New York, N. Y. Basic zinc salicylate. 2,501,127, Mar. 21.
Keck, Clemens A., assignee: *See*—
Collins, Leonard T.
Keck, Karl M., Delavan, Wis. Glare shield. 2,511,590, June 13.
Keck, William G., East Lansing, Mich., and S. A. Fry, Portland, Oreg. Thermoelectric feedback system. 2,511,855, June 20.
Keddie, James E., London, England, assignor to The Hartford National Bank and Trust Company, Hartford, Conn., trustee. Woven fabric diaphragm with stiffened portions. 2,502,853, Apr. 4.
Kee, Yee T., Uniontown, Pa. Shield for ironing machines. 2,496,544. Feb. 7.
Keeble, John A.: *See*—
Bewley, Thomas, and Keeble.
Keech, Gordon, Clifton Gardens, near Sydney, New South Wales, assignor to Keeseal Pty. Limited, Mascot, near Sydney, New South Wales, Australia. Coupling means. 2,505,863, May 2.
Keedy, Edward J., Johnson City, assignor to International Business Machines Corporation, New York, N. Y. Card punching machine for detecting double punchings and blank columns. 2,500,288, Mar. 14.
Keef, Dennis W., Portland, Oreg., assignor to Phillips Tutch-Latch Company. Door latch. 2,533,377, Dec. 12.
Keefe, David P., Marblehead, Mass. Photographic apparatus. 2,534,132. Dec. 12.
Keefe Electronic Sales Co., assignee: *See*—
Lodge, Edmund G.
Keefe, John, Jr., assignee: *See*—
Lodge, Edmund G.
Keefe, Lincoln M., Brooklyn, N. Y. Apparatus for making records. 2,529,083, Nov. 7.
Keefer, Walter L., assignor to Pangborn Corporation, Hagerstown, Md. Nozzle skirt for blast guns. 2,503,743, Apr. 11.
Keefer, Walter L., assignor to Pangborn Corporation, Hagerstown, Md. Tumbling mill. 2,533,265, Dec. 12.
Keegan, James H., and D. P. Eckman, Philadelphia, Pa., assignors, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electrical control instrument. 2,518,332, Aug. 8.
Keegan, Simon H., Brooklyn, G. Wroldsen, Douglaston, and J. M. Rhatigan, Brooklyn, N. Y. Game board. 2,522,275, Sept. 12.
Keel, Eugéne, Brussels, Belgium. Concrete mixer. 2,529,256, Nov. 7.
Keelavite Company Limited, The, assignee: *See*—
Chittenden, George E.
Keeler Brass Company, assignee: *See*—
Jakeway, Gerald V.
Keeler, Isaac S., and Jakeway.
Keeler, Isaac S., and G. V. Jakeway, assignors to Keeler Brass Company, Grand Rapids, Mich. Door handle. 2,530,303, Nov. 14.
Keeler, Robert L., Chicago, Ill. Weedless fish bait. 2,518,238, Aug. 8.
Keeler, Robert L., assignor to The Salvation Army, Chicago, Ill. Moldable coin collection box with translatable cover. 2,521,295, Sept. 5.
Keeley, Kedric V., Los Angeles, Calif. Match package. 2,506,961, May 9.
Keeling, William O., Mount Lebanon Township, Allegheny County, assignor to Koppers Company, Inc., Pittsburgh, Pa. Producing olefins. 2,520,149, Aug. 29.
Keely, Clifford D., West Englewood, N. J. Household screen. 2,525,683, Oct. 10.
Keema, Alexander W.: *See*—
Stevenson, Robert, and Keema.
Keen, Charles P., deceased, Matfield; W. C. P. Keen, administrator, assignor to Teleflex Products Limited, London, England. Conveyer chain. 2,526,563, Oct. 17.
Keen, Harold H., Letchworth, England, assignor to International Business Machines Corporation, New York, N. Y. Apparatus for verifying perforated record cards. 2,528,438, Oct. 31.
Keen, Thomas A., San Mateo, Calif., assignor of one-half to H. M. Smith, Chicago, Ill. Key controlled type selection. 2,524,387, Oct. 3.
Keen, William C. P., administrator: *See*—
Keen, Charles P.
Keene, Lester E., Newtonville, and F. G. De Santis, Quincy, Mass., assignors, by mesne assignments, to Reconstruction Finance Corporation, Washington, D. C. Textile spindle and mounting. 2,525,911, Oct. 17.
Keene, Samuel I., assignee: *See*—
Gartner, John H.
Keene, Walter L., Dormont, and W. A. Carlson, assignors to Superior Steel Corporation, Pittsburgh, Pa. Bimetallic billet. 2,514,873, July 11.
Keener, Brooks H.: *See*—
Dice, Robert P., and Keener.
Keener, Wayne H., Midland, Tex. Fluid actuated hose reel. 2,518,990, Aug. 15.
Keeney, Edward W., Westfield, Mass. Centrifugal expanding collet. 2,519,139, Aug. 15.

Keenline Equipment Corporation, assignee: *See*—
Domack, Stanley A., Rutkowski, and Sissler.
Keese, Beverly W., Oshkosh, Wis., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Propulsion and power take-off gearing for vehicles. 2,521,729, Sept. 12.
Keese, Beverly W., Oshkosh, Wis., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Shift mechanism. 2,521,730, Sept. 12.
Keese, Beverly W., and C. A. Cook, Oshkosh, Wis., assignors to The Timken-Detroit Axle Company, Detroit, Mich. Power take-off mechanism. 2,513,333, July 4.
Keeseal Pty, Limited, assignee: *See*—
Keech, Gordon.
Keeshan, Alfred G.: *See*—
Farnworth, John A., and Keeshan.
Keeshan, Frank R., Jr.: *See*—
Dean, Reginald S., and Keeshan.
Keet, Gabriel C. E., Florida, Transvaal, Union of South Africa. Multiple and rotatable stamp mill. 2,496,477, Feb. 7.
Keevil, Henry W.: *See*—
Barnes, Walter C., and Keevil.
Barnes, Walter C., Keevil, and Dionne.
Kegel, Arnold H., Los Angeles, Calif. Apparatus to indicate progressive exercise of injured sphincter muscles. 2,507,858, May 16.
Keggin, James F., West Kilbride, Scotland, assignor to Imperial Chemical Industries Limited. Production of artificial protein filaments. 2,504,844, Apr. 18.
Kègresse, Adolphe, deceased, late of Paris, France, by A. V. Kègresse, administrator, Paris, France. Endless track without articulations for universal vehicles. 2,495,331, Jan. 24.
Kègresse, Adolphe V., administrator: *See*—
Kègresse, Adolphe.
Kehe, Henry J., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Preparation of monomeric 2,2,4 - trimethyl - 1,2 - dihydro - quinoline. 2,514,648, July 11.
Kehe, Henry J., and T. H. Shelley, Cuyahoga Falls, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. 2,2,4-trialkyl-1,2-dihydro-6-aralkyl-substituted quinolines and producing the same. 2,530,774, Nov. 21.
Kehl, William L.: *See*—
Muskat, Morris, Parker, and Kehl.
Kehle, Ottmar A., Van Nuys, Calif., assignor to Adel Precision Products Corp. Hydraulic locking apparatus. 2,507,601, May 16.
Kehm, Clarence H.: *See*—
Dillon, William C., and Kehm.
Kehoe, Thomas L., Fort William, Ontario, Canada. Surface mounted jar holder. 2,531,052, Nov. 21.
Kehrer, Eddie R., Beaumont, Tex., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Contact mass level control. 2,529,843, Nov. 14.
Kehrer, Edmond, La Chaux-de-Fonds, Switzerland. Fastening for bracelet-watch straps. 2,531,053, Nov. 21.
Keiffer, Raymond L.: *See*—
Lemmers, Eugene, and Keiffer.
Keight, Albert W., Cumberland, Md., assignor to Celanese Corporation of America. Metier. 2,535,426, Dec. 26.
Keil, Harry L.: *See*—
Weil, Leopold, Woodward, Howard, and Keil.
Keil, Havard L., Clarendon Hills, assignor to Armour and Company, Chicago, Ill. Recovery of cystine from hair. 2,523,955, Sept. 26.
Keil, Havard L., Clarendon Hills, and R. E. Burgess, Hinsdale, assignors to Armour and Company, Chicago, Ill. Recovery of proteolytic proenzymes. 2,506,877, May 9.
Keil, Havard L., Clarendon Hills, and J. S. Ingraham, assignors to Armour and Company, Chicago, Ill. Treatment of keratinaceous materials. 2,521,582, Sept. 5.
Keil, William F., Centerline, Mich. Circulatory heating system for vehicle motors. 2,527,011, Oct. 24.
Keilholtz, Gerald W.: *See*—
Lowry, Erwin F., Mager, and Keilholtz.
Keim, Charles J., Oil City, Pa., assignor to Oil Well Supply Company. Well drilling apparatus. 2,507,256, May 9.
Keim, Gerald I., Lincoln University, Pa., assignor to Hercules Powder Company, Wilmington, Del. Dry resin and preparing the same. 2,512,720, June 27.
Keinänen, Sulo P. J., Helsinki, Finland. Gas generator. 2,513,943, July 4.
Keinath, George, Larchmont, N. Y. Electrical control and recording apparatus. 2,503,052, Apr. 4.
Keinath, George, Larchmont, N. Y. Strip chart recorder. 2,516,217, July 25.
Keiper, Harold A.: *See*—
Cameron, Emmet C., Keiper, and Mitschke, and Burlingame, and Ferguson.
Keiser, Bernhard: *See*—
De Groote, Melvin and Keiser.
Keiser, Bernhard, Webster Groves, and M. De Groote, St. Louis, Mo., assignors to Petrolite Corporation Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,507,910, May 16.
Keiser, John, Windsor, Colo. Stud wrench. 2,516,394, July 25.
Keiser, Russell W.: *See*—
Boucher, Charles P., and Keiser.
Keister, James E., Scotia, N. Y., assignor to General Electric Company. Noise-reducing pulse-echo locating equipment. 2,494,339, Jan. 10.
Keister, William, Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Translator. 2,518,022, Aug. 8.
Keith, Charles D., Russell, Kans. Concrete wall form. 2,503,494, Apr. 11.
Keith, Claude D., deceased, by I. M. Keith, administratrix, Lake Mahopac, N. Y., J. F. O'Brien, Englewood, and S. Madsen, Bergenfield, N. J.; said Madsen, assignor to said I. M. Keith, as administratrix. Transfer machine for bottles and like articles. 2,520,727, Aug. 29.
Keith, Franklin L., Phoenix, Ariz. Work holding fixture. 2,511,345, June 13.
Keith, Garland B., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Locking mechanism for beam racks. 2,525,551, Oct. 10.
Keith, Irene M., administratrix, assignee: *See*—
Keith, Claude D., O'Brien, and Madsen.
Keith, Margaret W., New York, N. Y. Bottle-carrying carton. 2,522,950, Sept. 19.
Keith-Murray, Patrick Ian, Crieff, Scotland. Electronic pulse generating circuit. 2,521,376, Sept. 5.
Keith, Percival C., Peapack, N. J., assignor to Hydrocarbon Research, Inc., New York, N. Y. Catalytic treatment and the regeneration of catalyst in stationary beds. 2,495,262, Jan. 24.
Keith, Percival C., Peapack, N. J., assignor to Hydrocarbon Research, Inc., New York, N. Y. Catalytic synthesis of hydrocarbons. 2,506,221, May 2.
Keith, Percival C., Peapack, and J. W. Jewell, Summit, assignors to The M. W. Kellogg Company, Jersey City, N. J. Catalytic conversion of hydrocarbons. 2,515,373, July 18.
Keith, Percival C., Peapack, and J. W. Jewell, Summit, assignors to The M. W. Kellogg Company, Jersey City, N. J. Catalytic conversion of hydrocarbons. 2,515,374, July 18.
Keitley, Robert, Rugby, England, assignor to General Electric Company. Rectifier measuring circuit. 2,521,522, Sept. 5.
Keizer, Eugene O., Princeton, N. J., assignor to Radio Corporation of America. Tuning cascade tuned circuits. 2,516,056, July 18.
Keizer, Eugene O., Princeton, N. J., assignor to Radio Corporation of America. Method and apparatus for determining time from target by signal reflection. 2,533,889, Dec. 12.
Keko, Wilbur L., and J. L. Martin, assignors to Commercial Solvents Corporation, Terre Haute, Ind. Purifying penicillin solutions. 2,530,883, Nov. 21.
Kelar, Joseph, Lancaster, Pa., assignor to Radio Corporation of America. Electron gun for cathode-ray tubes. 2,496,127, Jan. 31.
Kelar, Joseph, Lancaster, Pa., assignor to Radio Corporation of America. Anchoring cathode. 2,507,979, May 16.
Kelar, Joseph, Lancaster, Pa., assignor to Radio Corporation of America. Electromagnet. 2,515,305, July 18.
Kelbel, Donald W., and P. Orr, Muncie, Ind., assignors to Borg-Warner Corporation, Chicago, Ill. Transmission. 2,513,331, July 4.
Kelbel, Donald W., G. E. Flinn, and P. Orr, Muncie, Ind., assignors to Borg-Warner Corporation, Chicago, Ill. Transmission control. 2,519,050, Aug. 15.
Kelch, Alfred H., Jr., Chicago, Ill. Foldable baby buggy. 2,506,601, May 9.
Kelch, Alfred H., Jr., Chicago, Ill. Folding baby carriage. 2,508,398, May 23.
Kelco Company, assignee: *See*—
Steiner, Arnold B., and McNeely.
Steiner, Arnold B., and Miller.
Kelcon Corporation, assignee: *See*—
Kelly, Stephen A., Jr., and Lindsay.
Kelite Products, Inc., assignee: *See*—
Vance, Donald W.
Kell, Ray D., and G. C. Sziklai, Princeton, N. J., assignors to Radio Corporation of America. Signal transmission system. 2,506,672, May 9.
Kell, Ray D., Princeton, N. J., assignor to Radio Corporation of America. Television system. 2,508,920, May 23.
Kellam, Arthur M., Tujunga, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Quick-disconnect duct joint. 2,532,773, Dec. 5.
Kelle, Arthur C., Stoughton, Mass., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Circuit breaker control system and apparatus. 2,528,694, Nov. 7.
Kelleher, Cornelius F.: *See*—
Laher, Frank J., and Kelleher.
Kelleher, Daniel, Berea, assignor to I. Saks, Cleveland, Ohio. Wear take-up means for friction clutches. 2,501,057, Mar. 21.
Kelleher, Daniel, Berea, assignor to I. Saks, Shaker Heights, Ohio. Clutch plate. 2,502,653, Apr. 4.
Kelleher, Jeremiah J., Dubuque, Iowa. Tricycle type rocking horse. 2,518,899, Aug. 15.
Keller, Arthur C., Bronxville, assignor to Belle Telephone Laboratories, Incorporated, New York, N. Y. Plug-in magnetic switch housing. 2,534,354, Dec. 19.

Keller, Arthur H.: *See*—
Hardy, Lloyd A., Keller, and Aasland.
Karlsson, Elof K., and Keller.

Keller, Arthur M., Livingston, N. J., assignor to The Linde Air Products Company. Electric powder control. 2,505,049, Apr. 25.

Keller, Arthur M., Livingston, N. J., assignor to The Linde Air Products Company. Blowpipe machine for severing metal stock. 2,510,232, June 6.

Keller, Arthur M., Livingston, N. J., assignor to The Linde Air Products Company. Blowpipe cutting apparatus. 2,511,591, June 13.

Keller, August, Dearborn, assignor, by mesne assignments, to Detroit Harvester Company, Detroit, Mich. Transverse bow construction. 2,501,392, Mar. 21.

Keller Brass Company, assignee: *See*—
Jakeway, Gerald V.

Keller, Clarence J.: *See*—
Nichols, Charles A., Todd, Fletcher, and Keller.

Keller, Curt, Kusnacht, assignor to Aktiengesellschaft fuer Technische Studien, Zurich, Switzerland. Pipe joint. 2,498,924, Feb. 28.

Keller, Dan W., Chicago, Ill., assignor of one-half to H. Keller. Crystal mounting. 2,518,793, Aug. 15.

Keller, Edward, Forest Hills, N. Y. Nursing brassière. 2,502,524, Apr. 4.

Keller, Edwin H., Wawa, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Antifreeze composition. 2,534,030, Dec. 12.

Keller Engineering Company, assignee: *See*—
Plesset, Milton S., and Floyd.

Keller, Ernst: *See*—
Bossard, Werner, and Keller.

Keller, Ernest G., North Bergen, N. J. Flower stem winding machine. 2,526,368, Oct. 17.

Keller, Ernst, and F. Probst, assignors to J. R. Geigy A. G., Basel, Switzerland. Azo dyestuffs. 2,518,023, Aug. 8.

Keller, Ernst, and R. Zweidler, assignors to J. R. Geigy A. G., Basel, Switzerland. Triazine brightening agents for organic materials and their manufacture. 2,526,668, Oct. 24.

Keller, Ernst, and R. Zweidler, assignors to J. R. Geigy A. G., Basel, Switzerland. Stilbene disulfonic acid products. 2,527,425, Oct. 24.

Keller, Ernst, and R. Zwiedler, assignors to J. R. Geigy A. G., Basel, Switzerland. Nitro-distyrylbenzene-disulfonic acids and making same. 2,527,426, Oct. 24.

Keller, Ernst, and R. Zwiedler, assignors to J. R. Geigy A. G., Basel, Switzerland. Stilbene disulfonic acid derivatives. 2,527,427, Oct. 24.

Keller, Fred M., Grand Rapids, Mich. Flush lever. 2,529,844, Nov. 14.

Keller, Frederick A., East Paterson, assignor to Bright Star Battery Company, Clifton, N. J. Dry cell. 2,524,668, Oct. 3.

Keller, George J.: *See*—
Shields, Stanley R., and Keller.

Keller, Gregory H., Helena, Ark. Automatic bag feeder to conveyer. 2,511,714, June 13.

Keller, Hans, Wettingen, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Generation of grid voltages for the grids of converters. 2,494,246, Jan. 10.

Keller, Helen, assignee: *See*—
Keller, Dan W.

Keller, Hugo F., Oneida, N. Y. Electric cord reel. 2,521,226, Sept 5.

Keller, James L., Ferndale, Mich. Baseball game apparatus. 2,530,526, Nov. 21.

Keller, James L., South Charleston, W. Va., assignor, by mesne assignments, to Koppers Company, Incorporated, Pittsburgh, Pa. Producing a 4-picoline-sulfur condensation product. 2,515,233, July 18.

Keller, Jay H., Sebring, Ohio. Method and apparatus for decorating the edges of dishes. 2,522,121, Sept. 12.

Keller, Joseph, Chicago, Ill. Brush for cleaning screens, windows, and the like. 2,502,624, Apr. 4.

Keller, Joseph, Chicago, Ill., assignor to Advance Glove Manufacturing Company, Detroit, Mich. Glove turning apparatus. 2,510,341, June 6.

Keller, Leonard: *See*—
La Barre, Dwight, and Keller.

Keller, Martin W., assignor of thirty-three and one-third per cent to B. Pearson, and thirty-three and one-third per cent to S. Haley, Pine Bluff, Ark. Door check and closer. 2,496,166, Jan. 31.

Keller, Philip B., Santa Monica, and D. Jelinek, Los Angeles, Calif., assignors to North American Aviation, Inc. Riveting and assemblage preparatory therefor. 2,511,920, June 20.

Keller, Robert, Ennetbaden, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Acceleration meter. 2,500,548, Mar. 14.

Keller, Spencer R., Handley, W. Va. Adjustable internal expansion grinder. 2,510,928, June 6.

Keller, Spencer R., Handley, assignor to Marathon Coal Bit Company, Incorporated, Montgomery, W. Va. Cam-operated pivoted-jaw clamp having plural positions for cam and jaw fulcrums. 2,515,877, July 18.

Keller, Stefan, Munchen-Pasing, Germany. Apparatus for manufacture of trusses. 2,529,556, Nov. 14.

Keller, Thomas, assignor, by mesne assignments, to Cedarberg Manufacturing Company, Inc., Minneapolis, Minn. Portable hydrocarbon furnace. 2,500,610, Mar. 14.

Keller Tool Company, assignee: *See*—
Myers, John G.
Shaff, Ernest H.

Keller, Walter P., Chicago, Ill. Fuse holder and circuit disconnect device. 2,502,856, Apr. 4.

Keller, William E., West Warren, assignor to Associated Engineers Inc., Springfield, Mass. Apparatus for stacking articles. 2,517,675, Aug. 8.

Keller, William F., Milwaukee, assignor to Ladish Drop Forge Co., Cudahy, Wis. Making pipe fittings. 2,507,859, May 16.

Keller, William M., Merion, assignor to The Pennsylvania Railroad Company, Philadelphia, Pa. Thermostatic control for refrigerating apparatus. 2,507,911, May 16.

Kellerman, Hyman, Brooklyn, N. Y. Wool yarn dispensing bracelet. 2,508,173, May 16.

Kellermann, Ewald, Fort Lee, N. J. Mitre folder for labels. 2,501,178, Mar. 21.

Kellershon, Heinrich J., Douglaston, N. Y. Precooler with internal fins. 2,532,026, Nov. 28.

Kellett Aircraft Corporation, assignee: *See*—
Prewitt, Richard H.

Kelley, Benjamin F., Tulsa, Okla. Clutch and brake mechanism for cathead assembly. 2,522,377, Sept. 12.

Kelley, Cecil S., Forest Hills, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Rotary inertia device. 2,531,054, Nov. 21.

Kelley, Clifford H., Chattanooga, Tenn. Rotary measuring device. 2,495,974, Jan. 31.

Kelley, Dorothy, assignee: *See*—
Blankenship, Alma.

Kelley, Edmund S., Lincolnton, Ga. Fishing game. 2,496,096, Jan. 31.

Kelley, Everett J., Croyden, and H. T. Neher, Bristol, assignors to Röhm & Haas Company, Philadelphia, Pa. Allyl beta-alloxypropionate. 2,494,880, Jan. 17.

Kelley, Frederick W., Jr., assignor to North American Cement Corporation, Catskill, N. Y. Producing lightweight aggregates. 2,493,198, Jan. 3.

Kelley, John W., East Chester, assignor to The Lummus Company, New York, N. Y. Bubble cap hold-down device. 2,510,586, June 6.

Kelley, John W., Eastchester, and H. R. Davis, Jackson Heights, assignors to The Lummus Company, New York, N. Y. Filter with explosion-proof illuminating device. 2,535,799, Dec. 26.

Kelley, Kathryn: *See*—
Cislak, Francis E., Karnatz and Kelley.

Kelley-Koett Manufacturing Co., The, assignee: *See*—
Haupt, Walter H.
Todd, William L., and Feibel.

Kelley-Koett Manufacturing Company, assignee: *See*—
Kuhlmen, William C.

Kelley-Koett Manufacturing Company, The, assignee: *See*—
Pitts- Franklin A., and Haupt.
Sussin, David.

Kelley, Kork, Wichita Falls, Tex. Well pump. 2,528,833, Nov. 7.

Kelley, Maurice J.: *See*—
Leupold, Henry F., and Kelley.

Kelley, Oliver K., Birmingham, assignor to General Motors Corporation, Detroit, Mich. Tank cross drive with cooling system. 2,523,766, Sept. 26.

Kelley, Phillip, Haverhill, Mass. Egg peeling device. 2,501,679, Mar. 28.

Kelley, Robert R., and R. E. Schenck, Hammond, Ind. Built-in-flash calculator for flash guns. 2,513,878, July 4.

Kelley, Samuel I.: *See*—
Murphy, Gene W., and Kelley.

Kelley, Thomas, New York, N. Y. Coil winding machine. 2,521,795, Sept. 12.

Kellgren, Waldo, and J. J. Charpentier, assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Liner for adherent rubber surfaces and the like. 2,496,349, Feb. 7.

Kellie, Edward P., Detroit, Mich. Refrigerating apparatus. 2,500,688, Mar. 14.

Kelling, Leroy U. C., and L. H. Sheets, Schenectady, N. Y., assignors to General Electric Company. Register control system. 2,529,161, Nov. 7.

Kellinger, John, Oakland, and J. A. Conaty, El Cerrito, Calif.; said Conaty assignor to said Kellinger. Pivoted token releasing target. 2,516,997, Aug. 1.

Kellog, Henry B., Binghamton, N. Y. Alkanedione dioximes as antioxidants for preserving organic compositions which tend to deteriorate by the absorption of oxygen from the air. 2,497,061, Feb. 14.

Kellogg Company, assignee: *See*—
Raymer, Morris M., and Thompson.

Kellogg, Edward W., Haddonfield, N. J., assignor to Radio Corporation of America. Control track sound distribution system and record therefor. 2,499,587, Mar. 7.

Kellogg, Edward W., Indianapolis, Ind., assignor to Radio Corporation of America. Dynamic galvanometer. 2,510,585, June 6.

Kellogg, Harry L., Schenectady, and B. D. Bedford, Scotia, N. Y., assignors to General Electric Company. Method and apparatus for effecting electric power transformation. 2,523,027, Sept. 19.
Kellogg, Homer G., Highland Park, assignor to Motor Products Corporation, Detroit, Mich. Apparatus for securing workpieces together. 2,494,096, Jan. 10.
Kellogg, Joseph, assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Remote control. 2,524,449, Oct. 3.
Kellogg, M. W., Company, The, assignee: *See*—
Ashton, Everett H.
Ashton, Everett H., Mastriani, and Mallard.
Baker, Albert L.
Burton, William P.
Degnen, William J.
Dickinson, John T., Morfit, and Van Orden.
Diener, William W.
Fyffe, Robert J.
Gleber, Emil F.
Hopkins, Robert K.
Jewell, Joseph W.
Keith, Percival C., and Jewell.
Kielczewski, Edward L., and Mallard.
Lake, Francis G.
Lake, Francis G., and Ashton.
Lauer, George G., and Passino.
Lauer, George G., Passino, and Segesser.
Layng, Edwin T., and Rubin.
Lundgren, William E.
Marcy, Henry T.
Mastriani, Elvin A.
Mastriani, Elvin A., and Kulczycki.
Montgomery, Walter B., and Rapasky.
Palmer, George H.
Passino, Herbert J.
Passino, Herbert J., and Larner.
Rinne, John.
Rinne, John, Ashton, Mallard, and Kielczewski.
Rinne, John, Ashton, Mallard, and Lake.
Rinne, John, and Mallard.
Rossheim, David B., and Holzwarth.
Skelly, Joseph F.
Solomon, Ernest.
Stephensen, Frederik, and Mastriani.
Trumpler, Paul R.
Zabriskie, Arthur E., and Lundgren.
Kellogg, Mary D., assignee: *See*—
Poppie, Alfred J.
Kellogg, Ralph H., Long Island City, N. Y. Thermal locking radiator cap. 2,528,372, Oct. 31.
Kellogg, Robert B., United States Navy. Aircraft rotary boiler turbine air condenser power plant. 2,525,804, Oct. 17.
Kellogg, Spencer, 2nd, Glen Head, N. Y., assignor to The Sperry Corporation. Speed governing system for dirigible craft. 2,496,294, Feb. 7.
Kellogg, Spencer, 2nd, and G. N. Hanson, Glen Head, N. Y., assignors to The Sperry Corporation. Pick-off for electrical control systems. 2,526,669, Oct. 24.
Kellogg, Stanley G.: *See*—
Bailey, Stanley M., and Kellogg.
Kellogg Switchboard and Supply Company, assignee: *See*—
Arthur, Richard P.
Bosh, James E.
Erickson, Clifford E.
Houdek, Joseph F., Jr.
Rose, Morris, and Zak.
Wallace, Bert A.
Kellogg, William D., Amsterdam, N. Y., R. F. Eshleman, West Chester, and W. T. Morris, Norwood, assignors, by mesne assignments, to American Viscose Corporation, Philadelphia, Pa. Warp knitting machine and operation. 2,506,645, May 9.
Kells, Edward L.: *See*—
Miller, Glen W., Kells, and Larsen.
Kelly, Daniel A., Milwaukee, Wis. Vehicle sander. 2,522,677, Sept. 19.
Kelly, Daniel K., assignee: *See*—
Allen, Otis W.
Kelly, Donald H., Floral Park, N. Y., and R. V. Townend, Arlington, N. J., assignors to Allied Chemical & Dye Corporation, New York, N. Y. Purification of aluminum. 2,511,775, June 13.
Kelly, Downie M., Mrs., assignee: *See*—
McGee, Walter H.
Kelly, Earl M., Los Angeles, assignor to Process Engineers Incorporated, San Francisco, Calif. Clarification. 2,506,927, May 9.
Kelly, Edmund P., assignee: *See*—
Sale, William H.
Willis, Paul.
Kelly, Eduardo V., Habana, Cuba. Filter rack. 2,533,815, Dec. 12.
Kelly, Edward P., assignee: *See*—
Sale, William H.
Kelly, Edwin J.: *See*—
Goetchius, Donald R., and Kelly.
Kelly, Ernest B., Chicago, Ill., assignor to Myerson Tooth Corporation, Cambridge, Mass. Artificial tooth. 2,514,075, July 4.
Kelly, Ernest B., Chicago, Ill., assignor to Myerson Tooth Corporation, Cambridge, Mass. Making teeth from synthetic resins by injection molding. 2,514,076, July 4.
Kelly, Frederick G., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Torque-restoring device for electrical instruments. 2,515,375, July 18.
Kelly, George M., Sturgis, assignor to Douglas Manufacturing Co., Bronson, Mich. Vacuum cleaner coupling. 2,516,883, Aug. 1.
Kelly, Gooding N., assignor to The Dearborn Company, Chicago, Ill. Furniture leg mounting clamp. 2,522,827, Sept. 19.
Kelly, Gooding N., assignor to The Dearborn Company, Chicago, Ill. Supplemental apron for center extension table. 2,533,119, Dec. 5.
Kelly, Henry J., Buffalo, N. Y. Crossword puzzle book. 2,517,115, Aug. 1.
Kelly, Howard A., Sr., assignor to Wheeling Stamping Company, Wheeling, W. Va. Plastic molding apparatus. 2,530,245, Nov. 14.
Kelly, Hugh A., Faust, N. Y. Fish gaff. 2,528,229, Oct. 31.
Kelly, Jerome V., assignee: *See*—
Ziegler, George W.
Kelly, Jerome V., Detroit, Mich. Phonograph record dispenser. 2,521,227, Sept. 5.
Kelly, John H., and H. H. Teal, Pittsburgh, Pa., said Teal assignor to said Kelly. Shoe sole conditioning cutter. 2,503,951, Apr. 11.
Kelly, John H., Jr., Wabash, Ind., assignor to The General Tire and Rubber Company, Akron, Ohio. Reclaiming elastomers. 2,535,931, Dec. 26.
Kelly, Norval R., Great Neck, N. Y., assignor to Radio Corporation of America. Preplanning device to indicate a camera field. 2,495,975, Jan. 31.
Kelly, Richard, London, England, assignor to International Standard Electric Corporation, New York, N. Y. Electric power supply system. 2,517,575, Aug. 8.
Kelly, Stephen A., Jr., Manhasset, and W. R. Lindsay, Floral Park, assignors to Kelcon Corporation, Flushing, N. Y. Berth construction. 2,526,562, Oct. 17.
Kelly, Walter E., Portland, Oreg. Cast stone units for building walls and the laying them in courses. 2,532,922, Dec. 5.
Kelly, William: *See*—
Goldberg, Alan A., and Kelly.
Kelly, William F., Darlington, S. C. Nonglare night driving glasses. 2,511,776, June 13.
Kelly, William H.: *See*—
Zemanek, Arnold F., Swem, Treichler, Williams, and Kelly.
Kelly, William I., Quakertown, Pa., and J. R. Livingood, White Plains, N. Y., assignors to the United States of America as represented by the Secretary of War. Tube socket. 2,529,502, Nov. 14.
Kelman, William L., Providence, R. I. Fluorescent light socket construction. 2,505,864, May 2.
Kelman, William L., Providence, R. I. Fluorescent light socket. 2,522,044, Sept. 12.
Kelman, William L., Providence, R. I. Fluorescent light socket. 2,533,734, Dec. 12.
Kelsey, Cadwallader W., assignor to Rototiller Inc., Troy, N. Y. Self-cleaning tine. 2,502,094, Mar. 28.
Kelsey Hayes Wheel Company, assignee: *See*—
Caswell, Edgar F.
Ingres, Jeannot G., and Hill.
McIntyre, Glenn S.
Sinclair, Charles W.
Zimmerman, Thomas.
Kelsey, Lawrence C., assignor to W. M. Welch Manufacturing Company, Chicago, Ill. Phototube amplification. 2,499,996, Mar. 7.
Kelsey, Walter, New York, N. Y. Gravity flow sintering machine. 2,527,309, Oct. 24.
Kelsey, Walter, New York, N. Y. Batch sintering plant. 2,527,310, Oct. 24.
Kelsey, Walter, New York, N. Y. Batch sintering machine. 2,527,311, Oct. 24.
Kelsey-Hayes Wheel Company, assignee: *See*—
Sinclair, Charles W.
Keltner, Amos L., Wichita, Kans. Variable stroke drive for oscillatory members, more particularly for pumping apparatus. 2,526,561, Oct. 17.
Kelvin, Bottomley & Baird, Limited, assignee: *See*—
Wright, Alan V.
Kember, Raymond C., assignor to Thorn Electrical Industries Limited, London, England. Hanger. 2,536,004, Dec. 26.
Kemelhor, Robert E.: *See*—
Schwartz, Daniel E., and Kemelhor.
Kemerer, Don C., Santa Monica, Calif. Hydraulic jack. 2,527,428, Oct. 24.
Kemisk Vaerk Koge A/S., assignee: *See*—
Clauson-Kaas, Niels K. F. W.
Kemline Metal Products Company, assignee: *See*—
Midouhas, Stephen P.
Kemmer, Nicholas J., Cut Bank, Mont. Grain loader. 2,511,672, June 13.
Kemmer, Paul H., Fairfield, H. M. Heuver, and F. L. Wattendorf, Dayton, Ohio. Dual resonant jet propulsion engine for aircraft. 2,523,308, Sept. 26.
Kemock, Steve W., Chicago, Ill. Tapping hole reamer. 2,535,932, Dec. 26.

Kemp, C. M., Manufacturing Company, The, assignee: *See*—
Kemp, William W.
Kemp, William W., and Hanson.
Kemp, William W., and Hunt.
Kemp, Charles B., assignee: *See*—
Siebigteroth, Maximilian.
Kemp, Clayton T., Kenmore, N. Y. Mixing nozzle. 2,507,410, May 9.
Kemp, E. F., Inc., assignee: *See*—
Gauvreau, Joseph E.
Kemp, Franklin, Bath, N. Y. Mechanical hair curler. 2,514,244, July 4.
Kemp, Ian, assignor to Revertex Limited, London, England. Treating dilute aqueous rubber dispersions. 2,499,588, Mar. 7.
Kemp, Jacob D., Richmond, assignor to California Research Corporation, San Francisco, Calif. Manufacture of xylene isomers. 2,527,824, Oct. 31.
Kemp, Jacob D., Richmond, assignor to California Research Corporation, San Francisco, Calif. Manufacture of xylene isomers. 2,527,825, Oct. 31.
Kemp, John H., Jr., San Carlos, Calif. Apparatus for handling loads. 2,530,704, Nov. 21.
Kemp, Joseph, Baltimore, Md. Sliding and swinging window. 2,521,583, Sept. 5.
Kemp, Julie, Cincinnati, Ohio. Combined lighter and heated inhalator. 2,495,897, Jan. 31.
Kemp, Lebbeus C., Jr., Scarsdale, assignor to The Texas Company, New York, N. Y. Combination process for the hydrogenation of carbon monoxide and the production of ammonia. 2,494,561, Jan. 17.
Kemp, Roland J., and D. J. Fewings, Chelmsford, England, assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y. Pulse echo range finding system and impulse generator therefor. 2,497,002, Feb. 7.
Kemp, William W., assignor to The C. M. Kemp Manufacturing Company, Baltimore, Md. Gas proportioning apparatus. 2,520,213, Aug. 29.
Kemp, William W., and W. Hunt, assignors to The C. M. Kemp Manufacturing Company, Baltimore, Md. Rotary proportioning and mixing apparatus. 2,496,586, Feb. 7.
Kemp, William W., and H. M. Hanson, assignors to The C. M. Kemp Manufacturing Company, Baltimore, Md. Package dehumidifier. 2,501,280, Mar. 21.
Kemp, Woodrow E., assignor to Dominion Tar & Chemical Company Limited, Montreal, Quebec, Canada. Direct production of aromatic vinyl compounds and thermoplastic resins. 2,513,180, June 27.
Kempenaar, Ralph B., assignee: *See*—
Van Arkel, Ralph W.
Kemper, Harry C.: *See*—
Le Blond, Richard K., and Kemper.
Siekmann, Harold J., and Kemper.
Kemper, Harry C., and H. J. Siekmann, assignors to The R. K. Le Blond Machine Tool Co., Cincinnati, Ohio. Machine tool coolant guard. 2,502,792, Apr. 4.
Kemper, James M.: *See*—
Arthur, Robert A., and Kemper.
Kemper, James M., Hollywood, assignor to The Garrett Corporation, Los Angeles, Calif. Cabin pressure control system. 2,513,332, July 4.
Kemper, Maxwell F., Los Angeles, Calif. Apparatus for transporting materials. 2,534,270, Dec. 19.
Kemper, Robert J., San Carlos, Calif. Dripless pouring device. 2,521,523, Sept. 5.
Kempf, Herman H., Garden City, assignor to A. April, New York, N. Y. Lock-alarm combination. 2,515,517, July 18.
Kempf, Raymond A., Baltimore, Md., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Location of faults in electrical transmission systems. 2,499,759, Mar. 7.
Kempken, Alfred, Marysville, Calif. Aluminum gun case. 2,519,662, Aug. 22.
Kempthorne, James L., Montclair, N. J. Hopper. 2,504,533, Apr. 18.
Kempton, Henry F., Denver, Colo. Anchor bolt. 2,521,065, Sept. 5.
Kenaga, Eugene E.: *See*—
Hummer, Richard W., and Kenaga.
Kenaga, Eugene E., assignor to The Dow Chemical Company, Midland, Mich. Insecticide composition comprising hexaethyl tetraphosphate and di-(4-chlorophenoxy)-methane. 2,523,218, Sept. 19.
Kend, Barbara, Brooklyn, N. Y., assignor to Kenro Company, Philadelphia, Pa. Pocket-size manicure case. 2,523,028, Sept. 19.
Kendall Company, The, assignee: *See*—
Martin, John B.
Secrist, Horace A.
Sjoquist, Kenneth G.
Stanley, Leonard A.
Kendall Corporation, assignee: *See*—
Wood, Carl E.
Kendall, Edward C., Rochester, Minn., assignor to Research Corporation, New York, N. Y. Preparing lower alkyl esters of 3-hydroxy-11-keto-12-bromonorcholanic acid. 2,495,735, Jan. 31.
Kendall, Forrest W., Pasadena, Calif. Hat holder. 2,518,900, Aug. 15.
Kendall, George A., assignor to Wickes Bros., Saginaw, Mich. Lathe. 2,499,509, Mar. 7.
Kendall, George A., Detroit, Mich. Trailer fifth wheel. 2,508,610, May 23.
Kendall, Harold G., assignee: *See*—
Fritzinger, George H.
Kendall, Harold G., Brooklyn, N. Y., assignor of one-half to G. H. Fritzinger, West Orange, N. J. Device for using adhesive tape. 2,511,856, June 20.
Kendall, Harold M., Potsdam, N. Y. Dumping device for milk cans. 2,509,393, May 30.
Kendall, Ivan S., assignee: *See*—
Hunter, Ira.
Kendall, John D.: *See*—
Duffin, George F., and Kendall.
Edwards, Harry D., and Kendall.
Kendall, John D., and H. D. Edwards, assignors to Ilford Limited, Ilford, England. Sulfur-containing carboxylic acid esters. 2,493,071, Jan. 3.
Kendall, John D., and F. P. Doyle, assignors to Ilford Limited, Ilford, England. Production of cyanine dyestuffs. 2,505,496, Apr. 25.
Kendall, John D., and F. P. Doyle, assignors to Ilford Limited, Ilford, England. Production of photographic sensitizing dyestuffs. 2,505,497, Apr. 25.
Kendall, John D., and H. D. Edwards, assignors to Ilford Limited, Ilford, England. Methine dyestuffs. 2,511,210, June 13.
Kendall, John D., and D. J. Fry, assignors to Ilford Limited, Ilford, England. Silver halide photographic emulsions containing a blue black toner. 2,512,721, June 27.
Kendall, John D., and F. P. Doyle, assignors to Ilford Limited, Ilford, England. Merocyanine dyestuffs. 2,518,475, Aug. 15.
Kendall, John D., and F. P. Doyle, assignors to Ilford Limited, Ilford, England. Cyanine dyestuffs. 2,518,476, Aug. 15.
Kendall, John D., and F. P. Doyle, assignors to Ilford Limited, Ilford, England. Merocyanine dyestuffs and intermediates. 2,518,477, Aug. 15.
Kendall, John D., H. W. Wood, and J. R. Majer, assignors to Ilford Limited, Ilford, England. Cyanine dyestuffs. 2,527,259, Oct. 24.
Kendall, John D., and H. D. Edwards, assignors to Ilford Limited, Ilford, England. Methane dyes and their preparation. 2,527,264, Oct. 24.
Kendall, John D., and G. F. Duffin, assignors to Ilford Limited, Ilford, England. Thiazolidone compounds. 2,527,265, Oct. 24.
Kendall, John D., and G. F. Duffin, assignors to Ilford Limited, Ilford, England. Methine dyestuffs. 2,527,266, Oct. 24.
Kendall, John D., and F. P. Doyle, assignors to Ilford Limited, Ilford, England. Cyanine dyestuff intermediates. 2,533,816, Dec. 12.
Kendall, John D., and F. P. Doyle, assignors to Ilford Limited, Ilford, England. Cyanine dyestuffs and intermediates containing aldehyde. 2,534,913, Dec. 19.
Kendall, John D., and H. G. Suggate, assignors to Ilford Limited, Ilford, England. Triazole compounds. 2,534,914, Dec. 19.
Kendall, Leonard B., Berryville, Ark. Pipe-line closure. 2,526,238, Oct. 17.
Kendall, Oakley A., Huntsville, Wash. Induction fluid heater. 2,501,393, Mar. 21.
Kendall, Osmond, Ottawa, and S. W. Loach, assignors to R. Allen, Toronto, Ontario, Canada. Sound motion-picture projector. 2,502,011, Mar. 28.
Kendall, Paul D.: *See*—
Tresise, Raleigh E., and Kendall.
Kendall, W. H., assignee: *See*—
Sorensen, Clarence T.
Kender, William J.: *See*—
Korth, William J.
Kendig, James E., Oreland, assignor to Eastern Engineering & Sales, Inc., Philadelphia, Pa. Frozen confection vending machine unit. 2,518,333, Aug. 8.
Kendra, Frank: *See*—
Wityaz, William, and Kendra.
Kendrick, Charles M., New York, N. Y., assignor to Manly Corporation, Washington, D. C. Fluid pressure system and fluid flow control means therefor. 2,508,399, May 23.
Kendrick, Corrinne W., New Market, Iowa. Knife case. 2,528,059, Oct. 31.
Kendrick, Dilda, administratrix: *See*—
Kendrick, Mary E.
Kendrick, James B., assignor to Lockheed Aircraft Corporation, Burbank, Calif. Coupled control surface for aircraft. 2,500,689, Mar. 14.
Kendrick, John F., Columbus, Ohio. Multiple bearing. 2,499,651, Mar. 7.
Kendrick, Karl A., Grand Rapids, assignor, by mesne assignments, to Appliance Development Company, Oak Park, Mich. Nozzle for suction cleaners. 2,528,278, Oct. 31.
Kendrick, Laurence W., Wellesley, assignor to The Carter's Ink Company, Cambridge, Mass. Inkstand. 2,521,066, Sept. 5.
Kendrick, Mary E., deceased, Birmingham, Ala.; D. Kendrick, administratrix. Multiple use woman's garment. 2,507,602, May 16.

Kenerson, Stanley M., Springfield, Mass. Attachment for flexible rotary disk. 2,531,775, Nov. 28.
Kenison, Elden R., San Jose, Calif. Variable-speed reducer. 2,521,067, Sept. 5.
Kenly, Wilmer F., York, Pa. Spoon holder attachment for culinary vessels. 2,530,470, Nov. 21.
Kenmar Manufacturing Company, The, assignee: *See*— Maurer, Fred C.
Kenmore, Herbert: *See*— Camin, Etienne L. A., and Kenmore.
Kenmore Metals Corporation, assignee: *See*— Camin, Etienne L. A., and Kenmore.
Kenna, Evalyn R., New York, N. Y. Hair tray. 2,527,098, Oct. 24.
Kennametal Inc., assignee: *See*— Higerd, Robert J. McKenna, Philip M.
Kennard, Archie H., Ridlonville, Maine. Double lock core head. 2,526,565, Oct. 17.
Kennard, Charles M., Knoxville, Tenn. Advertising device. 2,503,114, Apr. 4.
Kennard, Dwight, C., Jr., Dayton, Ohio. Spring and vibration damper therefor. 2,520,937, Sept. 5.
Kennecott Copper Corporation, assignee: *See*— Carvajal, Roberto, and Quiroga.
Kennedy, Albert E., London, England. Mechanical cardboard and like figure. 2,522,875, Sept. 19.
Kennedy, Benjamin H., Pittsford, N. Y. Structural metal member. 2,508,032, May 16.
Kennedy, Benjamin H., Pittsford, N. Y. Rack. 2,513,806, July 4.
Kennedy, Benjamin H., Pittsford, N. Y. Infant's bathing device. 2,514,767, July 11.
Kennedy, Bert, Gloversville, N. Y. Glove. 2,508,031, May 16.
Kennedy, Bert, Gloversville, N. Y. Sectional display box. 2,522,620, Sept. 19.
Kennedy Car Liner and Bag Company, Inc., assignee: *See*— Pence, Fred T.
Kennedy, Carmie A.: *See*— Kennedy, Robert A. and C. A.
Kennedy, Clyde C.: *See*— Genter, Albert L., and Kennedy.
Kennedy, Dewey M., Rochester, N. Y. Infant's bathing device. 2,504,203, Apr. 18.
Kennedy, Douglas J.: *See*— Haddeland, George E., and Kennedy.
Kennedy, Gilbert J., Philadelphia, Pa., assignor to Radio Corporation of America. Reel tension device. 2,498,336, Feb. 21.
Kennedy, Gilbert J., assignor to Philco Corporation, Philadelphia, Pa. Radio tuning device. 2,502,223, Mar. 28.
Kennedy, Harry E., Berkeley, Calif., assignor to The Linde Air Products Company. Inert monatomic gas shielded metal-arc welding process. 2,532,410, Dec. 5.
Kennedy, Harry E., Berkeley, Calif. assignor to The Linde Air Products Company. Constant-potential submerged-melt metal-arc welding. 2,532,411, Dec. 5.
Kennedy, James M., A. P. Knight, and H. J. Lee, assignors to Revere Copper and Brass Incorporated, Rome, N. Y. Apparatus for electroplating. 2,506,794, May 9.
Kennedy, James R., assignee: *See*— Adamtchik, Michael T.
Kennedy, Jesse J., San Bernardino, Calif., and E. A. Traeger, Peru, Ill., assignors to General Time Corporation. Electrically synchronized timing mechanism. 2,499,223, Feb. 28.
Kennedy, Jesse J., San Bernardino, Calif., and R. Olinger, La Salle, Ill., assignors to General Time Corporation. Electrically synchronized timing mechanism. 2,535,214, Dec. 26.
Kennedy, John, Detroit, Mich. Jet-propelled spinning balloon. 2,524,059, Oct. 3.
Kennedy, John A., Saco, Maine, assignor to Saco-Lowell Shops, Boston, Mass. Spinning and twisting spindle structure. 2,497,834, Feb. 14.
Kennedy, John J., Richmond Hill, N. Y. Window sash lock. 2,521,796, Sept. 12.
Kennedy, John J., Richmond Hill, N. Y. Combined pen and pencil holder. 2,529,657, Nov. 14.
Kennedy, John T., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Shuttle binder for looms. 2,527,066, Oct. 24.
Kennedy, Joseph E., New York, N. Y. Burner, including air feed means. 2,514,768, July 11.
Kennedy, Joseph E., New York, N. Y. Self-aligning bearing. 2,521,731, Sept. 12.
Kennedy, Joseph W., Homestead, Pa. Hydraulic resistance brake. 2,513,879, July 4.
Kennedy, Joseph W., Santa Fe, N. Mex., W. R. Baker, Berkeley, Calif, and C. E. Wiegand, Santa Fe, N. Mex., assignors to the United States of America as represented by the United States Atomic Energy Commission. Electronic counting circuits. 2,532,503, Dec. 5.
Kennedy, Luke F.: *See*— Mason, Charles R., Crary, and Kennedy.
Kennedy, Nellie, Chicago, Ill. Window cleaning device. 2,511,346, June 13.
Kennedy, Ralph C., Orangeburg, N. Y., assignor to Radio Corporation of America. Tube mounting. 2,499,589, Mar. 7.
Kennedy, Richard R., Palo Alto, Calif. Apparatus for treatment of turbid liquids. 2,517,883, Aug. 8.
Kennedy, Ridgway, Jr., Drexel Hill, assignor to Abbotts Dairies, Incorporated, Philadelphia, Pa. Fruit mixing tank. 2,493,249, Jan. 3.
Kennedy, Robert, San Francisco, Calif. Tool and cutter holder. 2,509,152, May 23.
Kennedy, Robert A. and C. A., Birmingham, Mich. Lace loom. 2,535,579, Dec. 26.
Kennedy, Rollis A., and C. A. Harms, Seattle, Wash. Pocket clinometer. 2,498,083, Feb. 21.
Kennedy, Thomas C., Chicago, Ill. Corner truing tool. 2,512,654. June 27.
Kennedy, Thomas J.: *See*— Wicklatz, John E., and Kennedy.
Kennedy, Truman H., McKeesport, Pa., assignor to National Tube Company. Checker-brick. 2,527,429, Oct. 24.
Kennedy, Truman H., McKeesport, and E. T. Mortson, Pittsburgh, Pa., assignors to National Tube Company. Automatic control of hot-blast temperatures. 2,519,475, Aug. 22.
Kennedy-Van Saun Mfg. & Eng. Corp., assignee: *See*— Pyle, John V.
Kennedy, Walter V., Central Falls, R. I., assignor to Fram Corporation. Seal for filter cartridges. 2,533,192, Dec. 5.
Kennedy, William J.: *See*— Holman, Arthur J., and Kennedy.
Kennel, Willard T., Kalispel, Mont. Foldable tree holder. 2,531,690, Nov. 28.
Kennelly, Jeremiah D., assignee: *See*— Ganzert, Albert E.
Kennelly, Jeremiah D., Oak Park, Ill. Warning light shield. 2,509,438, May 30.
Kennelly, Jeremiah D., Oak Park, Ill. Oscillating light structure. 2,510,892, June 6.
Kenney, John W., Jr., Long Beach, and P. M. Rapier, Redondo Beach, Calif., assignors to Great Lakes Carbon Corporation. Method and agent for preventing linting in the dry cleaning of fabrics. 2,503,744, Apr. 11.
Kenney, William H., and F. C. Newburg, Teaneck, N. J. Adjustable shore. 2,535,141, Dec. 26.
Kenore Products Corp., assignee: *See*— Huppert, William.
Kenro Company, assignee: *See*— Kend, Barbara.
Kensington Steel Company, assignee: *See*— Anderson, Edmund C.
Kent, Anne H. P., Washington, D. C. Hand tool for gardening. 2,520,413, Aug. 29.
Kent, Donald W., assignee: *See*— Seifert, William C.
Kent, Donald W., Whitemarsh, Pa. Top for electrolytic cells of the tank type. 2,500,949, Mar. 21.
Kent, E. A., assignee: *See*— Williams, Philip H.
Kent, Earle L.: *See*— Greenleaf, Leland B., and Kent.
Kent, Earle L., assignor to C. G. Conn, Ltd., Elkhart, Ind. Electrical musical instrument. 2,498,337, Feb. 21.
Kent, Frederick J., Glen Rock, assignor to Kent Laboratories, Incorporated. Fair Lawn, N. J. Oscillatory electric motor. 2,517,214, Aug. 1.
Kent, Frederick W., Milwaukee, Wis. Dishwasher. 2,513,566, July 4.
Kent, Frederick W., Milwaukee, Wis. Dishwasher. 2,513,567, July 4.
Kent, Frederick W., assignor to Sophia Tank, Milwaukee, Wis. Dishwashing apparatus. 2,514,000, July 4.
Kent, George H.: *See*— Lowe, Sherwin P., Long, Downes, and Kent.
Kent, Herbert J., Fort Worth, Tex. Pitcher. 2,516,703, July 25.
Kent, Jan H. F., assignor of one-half to Auto Tyre Services Limited, Worting, Basingstoke, England. Apparatus for removing air bags from retreaded tires. 2,508,675, May 23.
Kent, Joseph W., Turtle Creek, Pa., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Dial speed tester with tone indication. 2,500,287, Mar. 14.
Kent Laboratories, Incorporated, assignee: *See*— Kent, Frederick J.
Kent, Milo R., assignee: *See*— Stevens, Milton J.
Kent Moore Organization, Inc., assignee: *See*— Graham, George M.
Kent, Moss Albert, White Plains, N. Y. Rain deflector for vehicle ventilating windows. 2,500,991, Mar. 21.
Kent, Percy, Bag Co., Inc., assignee: *See*— Peek, Richard K.
Kent, Raymond L.: *See*— Morris, John N., and Kent.
Kent, Robert E., Upper Montclair, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Extruding and insolubilizing polymers of ethylene. 2,528,523, Nov. 7.
Kent, Robert S.: *See*— Piercy, Carl A., and Kent.
Kent, Stanley B., Port Washington, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Delayed audible call signal for telephone substations. 2,531,221, Nov. 21.
Kentucky Forest Products, Inc., assignee: *See*— Jay, Frederic C.

Kenure, John F., Feltham, and H. F. Whitmarsh, London, England. Plug and socket connection. 2,493,457, Jan. 3.
Kenworth Manufacturing & Stamping Co., assignee: *See*— Allen, Frank M.
Kenworth Motor Truck Corporation, assignee: *See*— Simi, Hendrick E.
Kenworthy, James R., Jr., Modesto, assignor to John Inglis Frozen Foods Co., Stockton, Calif. Treating legumes to enhance coloration preparatory to freezing. 2,520,214, Aug. 29.
Kenworthy, Max S., assignor to Earl M. Gregg, Portland, Oreg. Extensible coat hanger. 2,527,312, Oct. 24.
Kenworthy, Orville O., Lakewood, E. H. Goda, East Cleveland, and J. D. Golland, Shaker Heights, assignors to Ferro Enamel Corporation, Cleveland, Ohio. Pigment and producing same. 2,523,119, Sept. 19.
Kenyon, Alonzo F., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Motor control system. 2,523,120. Sept. 19.
Kenyon, Alonzo F., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Load balancing system for dynamoelectric machines. 2,530,972, Oct. 21.
Kenyon, Bertrand F., assignor to Mechano Gear Shift Company, Grand Rapids, Mich. Torque controlled liquid torque drive. 2,499,099, Feb. 28.
Kenyon Gyro & Electronics Corporation, assignee: *See*— Kenyon, Theodore W.
Kenyon, Oades J., Santa Barbara, Calif. Musical instrument and forming the same. 2,516,467, July 25.
Kenyon, Theodore W., assignor to Kenyon Gyro & Electronics Corporation, Huntington, N. Y. Erector mechanism for gyroscopes. 2,499,391, Mar. 7.
Kenyon, William O.: *See*— Reynolds, Delbert, and Kenyon.
Kenyon, William O., C. C. Unruh, and W. F. Fowler, Jr., assignors to Eastman Kodak Company, Rochester, N. Y. Preparing oxidized cellulose gauze. 2,496,797, Feb. 7.
Kenyon, William O., and C. C. Unruh, assignors to Eastman Kodak Company, Rochester, N. Y. Esters of α-acyloxy acrylic acids. 2,499,392, Mar. 7.
Kenyon, William O., C. C. Unruh, and T. T. M. Laakso, assignors to Eastman Kodak Company, Rochester, N. Y. Esters of α-acyloxyacrylic acids. 2,499,393, Mar. 7.
Keough, Patrick J., assignor to Arlington Chair Co., Gardner, Mass. High chair construction. 2,532,556, Dec. 5.
Kephart, Helen E., and G. H. Thomas, Downers Grove, Ill. Bed jacket. 2,504,534, Apr. 18.
Kerby, Addison C., assignor to Briggs Manufacturing Company, Detroit, Mich. Sink assembly. 2,503,910, Apr. 11.
Kerby, Harmon C., assignor to W. Skirvin and B. K. Reeves, doing business as B & W Manufacturing Company, Indianapolis, Ind. Paintbrush holder. 2,529,257, Nov. 7.
Kercher, Arthur J., Berkeley, assignor of one-half to W. W. Hicks, San Francisco, Calif. Thermostatic switch. 2,512,529, June 20.
Kercher, Arthur J., Berkeley, assignor of one-half to W. W. Hicks, San Francisco, Calif. Electric load regulator. 2,521,171, Sept. 5.
Kereluck, Fred, Bronx, N. Y. Combination juice extractor and liquid container. 2,500,611, Mar. 14.
Keresztes, Ladislav, New York, N. Y. Shutter operating attachment for cameras. 2,520,505, Aug. 29.
Kerkhof, Frederik, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Circuit arrangement for amplifying image signals and synchronizing signals. 2,500,831, Mar. 14.
Kerkhof, Frederik, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Circuit arrangement for generating a saw-tooth current in a coil. 2,503,745, Apr. 11.
Kerkhof, Frederick, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustees. Device for producing sawtooth currents or voltages. 2,531,850, Nov. 28.
Kerlin, William W., Cleveland Heights, Ohio, assignor to Meehanite Metal Corporation. Preparing foundry sands. 2,504,133, Apr. 18.
Kermer, Martin J., Buffalo, N. Y., assignor, by mesne assignments, to Blaw Knox Company, Pittsburgh, Pa. Apparatus for evaporating viscous liquids. 2,510,233, June 6.
Kern, Edward A.: *See*— Middleton, Leslie H.
Kern, Edward A., Pittsfield, Mass., assignor to General Electric Company. Hydrogenated polymer of 2-vinyldibenzofuran. 2,493,584, Jan. 3.
Kern, Edward A., Pittsfield, Mass., assignor to General Electric Company. Making copolymers. 2,507,209, May 9.
Kern, Edward A., Pittsfield, Mass., assignor to General Electric Company. Copolymers of 2-vinyldibenzofuran and their preparation. 2,527,223, Oct. 24.
Kern, Edward A., and R. K. Abbott, Jr., Pittsfield, Mass., assignors to General Electric Company. Vinyldibenzofuran polymers. 2,498,474, Feb. 21.
Kern, Eldon W., Portland, Oreg. Auxiliary rudder assembly for vessels. 2,507,790, May 16.
Kern, Emil, Flushing, N. Y. Paper fastener. 2,507,912, May 16.
Kern, Fred T., Milwaukee, Wis. Liquid-solids separator. 2,503,875, Apr. 11.
Kern, Lee M., Mead, Wash. Switch for engine-driven generators. 2,508,719, May 23.
Kern, Lester O., trustee: *See*— Hodge, Theodore T.
Kern, Theodore: *See*— Gustafsson, Eric, Daur, and Kern.
Kern, Walter: *See*— Grossmann, Paul, and Kern.
Holbro, Theodor, Sutter, and Kern.
Jenny, Walter, and Kern.
Moergeli, Eduard, Sutter, and Kern.
Sutter, Paul, and Kern.
Kerns, Quentin A.: *See*— Baker, William R., and Kerns.
Kerns, Quentin A., Berkeley, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Rectangular pulse amplifier. 2,500,756, Mar. 14.
Kerns, Quentin A., Berkeley, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Pulse-forming preamplifier. 2,517,676, Aug. 8.
Kerns, Quentin A., Berkeley, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Saturable core triggered gap. 2,524,388, Oct. 3.
Keroes, Herbert I., Irvington, assignor to The Daven Company, Newark, N. J. Mechanism for setting the needles or indicating hands of hermetically sealed voltmeter or analogous instruments. 2,529,557, Nov. 14.
Kerr, Alexander H., & Co., assignee: *See*— Sachs, Carrol C., and Bond.
Kerr, Arthur N., Los Angeles, Calif., assignor to Phillips Petroleum Company. Hydrocarbon vaporizer. 2,516,218, July 25.
Kerr, Charles, Jr., Edgewood, and W. A. Brecht, Forest Hills, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Locomotive. 2,525,490, Oct. 10.
Kerr, Delbert C., Iowa City, Iowa. Wrench having floating mounted movable jaw. 2,516,395, July 25.
Kerr, Henry H., Jackson, Mich., assignor to United States Rubber Company, New York, N. Y. Self-adjusting hydraulic brake mechanism. 2,493,250, Jan. 3.
Kerr, James A., assignee: *See*— Kirk, James G., Sr.
Kerr, James G., Millburn, N. J. Fanfold manifolding device. 2,514,077, July 4.
Kerr, Kenneth W., Dayton, Ohio, assignor to United States Rubber Company, New York, N. Y. Honeycomb elastic fabric. 2,495,847, Jan. 31.
Kerr, Ralph L., Houston, Tex. Union. 2,520,215, Aug. 29.
Kerr, Ralph W., Riverside, Ill., assignor to Corn Products Refining Company, New York, N. Y. Modification of starch. 2,503,053, Apr. 4.
Kerr, Robert J., assignor to Magnaflux Corporation, Chicago, Ill. Preparing ferromagnetic powder. 2,501,128, Mar. 21.
Kerr, Theodore W.: *See*— Harris, Walter D., and Kerr.
Kerr, Thomas W.: *See*— Kaiser, Robert A., and Kerr.
Kersh, Ralph C., Mishawaka, Ind., assignor, by mesne assignments, to S. C. Johnson & Son, Inc., Racine, Wis. Wiper with fabric held by tensioned frame. 2,516,396, July 25.
Kershaw, A., & Sons Limited, assignee: *See*— Kershaw, Norman, and Ryder.
Kershaw, George E., assignor to Pratt Manufacturing Company, Coldwater, Mich. Steer bar construction. 2,502,625, Apr. 4.
Kershaw, Henry, Belleville, and A. F. Pityo, Clifton, N. J. Coffee-making apparatus. 2,528,060, Oct. 31.
Kershaw, Herbert, Brooklyn, N. Y. Bottle crate. 2,513,096, June 27.
Kershaw, John G., Westmount, Quebec, Canada. Lifting rod. 2,499,027, Feb. 28.
Kershaw, Knox: *See*— Praytor, Dennis M., and Kershaw.
Kershaw, Norman G., London, England, assignor, by mesne assignments, to The Westinghouse Air Brake Company, Wilmerding, Pa. Scotch block apparatus. 2,496,916. Feb. 7.
Kershaw, Norman, and H. Ryder, Leeds, assignors to A. Kershaw & Sons Limited, London, England. Binocular. 2,534,776, Dec. 19.
Kershaw, Royce, Montgomery, Ala. Derrick. 2,519,910, Aug. 22.
Kersky, Mary, Milwaukee, Wis. Vacuum mop cleaning receptacle. 2,519,254, Aug. 15.
Kerst, Donald W., Champaign, assignor to The Board of Trustees of the University of Illinois, Urbana, Ill. Betatron injector structure. 2,497,891, Feb. 21.
Kersten, Herbert H., Iowa City, Iowa. Self-sealing spherical mixing valve. 2,535,580, Dec. 26.
Kerstetter, Donald R.: *See* Sassaman, Paul H., and Kerstetter.
Kertesz, John W., Portland, Oreg. Douche and enema apparatus. 2,522,122, Sept. 12.
Kervarrec, Bernard, Paris, France. Framing construction for vessels. 2,506,549, May 2.

Kes, William, Bronx, assignor, by mesne assignments, to Philips Laboratories, Inc., Irvington on Hudson, N. Y. Locking bracket. 2,495,106, Jan. 17.
Kesler, Adrian J., Burke, assignor of one-half to F. W. Kesler, Soda Springs, Idaho. Elevator structure. 2,514,498, July 11.
Kesler, Carl C., and E. T. Hjermstad, assignors to Penick & Ford, Ltd., Incorporated, Cedar Rapids, Iowa. Starch ethers in original granule form. 2,516,632, July 25.
Kesler, Carl C., and E. T. Hjermstad, assignors to Penick & Ford, Ltd., Incorporated, Cedar Rapids, Iowa. Preparation of starch ethers in original granule form. 2,516,633, July 25.
Kesler, Carl C., and E. T. Hjermstad, assignors to Penick & Ford, Ltd., Incorporated, Cedar Rapids, Iowa. Cold-water swelling starch ethers in original granule form. 2,516,634, July 25.
Kesler, Frederick W., assignee: *See*—
Kesler, Adrian J.
Kesler, H. O., assignee: *See*—
Holmes, Charles, and Snyder.
Kesling, Harold D., La Porte, Ind. Tooth positioning appliance. 2,531,222, Nov. 21.
Kesner, Michael L., Chicago, Ill. Autotilting Venetian blind. 2,521,980, Sept. 12.
Kesner, Michael L., Chicago, Ill. Venetian blind tilt control means. 2,534,777, Dec. 19.
Kesselring, Fritz, FKG Gerätebau Aktiengesellschaft, assignee: *See*—
Kesslering, Fritz.
Kesselring, Fritz, Zollikon-Zurich, assignor to F K G Fritz Kesselring Gerätebau Aktiengesellschaft, Bachtobel-Weinfelden, Switzerland. Electric contact apparatus. 2,499,394, Mar. 7.
Kesselring, Fritz, Zollikon-Zurich, Switzerland, assignor to FKG Fritz Kesselring Gerätebau Aktiengesellschaft, Bachtobel-Weinfelden. Control apparatus for alternating current. 2,531,443, Nov. 28.
Kessenich, Gregory J., Madison, Wis. Rocket projectile. 2,494,562, Jan. 17.
Kesses, Charles, New York, N. Y. Controlling stick for airplanes. 2,506,222, May 2.
Kessler, Carl E.: *See*—
Wolfe, Hugh O., and Kessler.
Kessler, David L., assignor to Gates Rubber Company, Denver, Colo. Demountable sheave. 2,495,459, Jan. 24.
Kessler, Frank, Lombard, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Telephone pulse repeater actuated by break period. 2,500,289, Mar. 14.
Kessler, Gordon A., Pittsburgh, Pa., assignor to The Texas Company, New York, N. Y. Method and apparatus for completing a well. 2,513,944, July 4.
Kessler, Harry C., Jr., Drexel Hill, Pa. Obtaining color registry in offset printing. 2,499,100, Feb. 28.
Kessler, Joseph S.: *See*—
Moses, John H., and Kessler.
Kessler, William J., and O. Gano, Gainesville, Fla., and C. A. Moreno, Queens Village, N. Y., assignors to the Board of Commissioners of State Institutions of the State of Florida. Transient signal direction finder. 2,512,832. June 27.
Kessler, William L., Chicago, Ill. Mattress covering sheet. 2,528,313, Oct. 31.
Kesslin, George: *See*—
Elkinton, Herbert R., Kesslin, and Nicholl.
Kestell, Thomas A., Thurmaston, assignor to Power Jets (Research & Development) Limited, London, England. Apparatus for profiling operations. 2,529,026, Nov. 7.
Kestenman Bros. Mfg. Co., assignee: *See*—
Valcourt, Louis E.
Kester, Ernest B.: *See*—
Houston, David F., and Kester.
Kester, Ernest B., Berkeley, Calif., assignor to the United States of America as represented by the Secretary of Agriculture. Preparation of diglycerides. 2,523,309, Sept. 26.
Kester, Robert E.: *See*—
McKee, Dwight I., Kester, and Smith.
Kesterton, Henry M., Wroxall, near Warwick, England. Roller type friction clutch. 2,497,361, Feb. 14.
Ketay Manufacturing Corporation, assignee: *See*—
Ketay, Morris F., and Nemeth.
Ketay, Morris F., Brooklyn, and J. R. Miller, Forest Hills, assignors to Bendix Aviation Corporation, Brooklyn, N. Y. Electrical follow-up system. 2,493,585, Jan. 3.
Ketay, Morris F., and E. Nemeth, Brooklyn, assignors to Ketay Manufacturing Corporation, New York, N. Y. Pressure-sensitive container cover. 2,500,549, Mar. 14.
Ketcham, Bruce V., Manchester, Conn. Combination baby swing and table assembly. 2,533,019, Dec. 5.
Ketcham, Charles J., Michigan City, Ind. Cigarette tray. 2,519,969, Aug. 22.
Ketcham, Edward K., Yakima, C. F. May, Selah, and E. E. Jagow, Yakima, Wash., assignors, by mesne assignments, to Vacu-Dry Company, Oakland, Calif. Drying foods. 2,522,276, Sept. 12.
Ketcham, Helen S., San Francisco, Calif. Shearing attachment for sewing machines. 2,510,929, June 6.
Ketcham, Irving M.: *See*—
Ely, Robert S., and Ketcham.
Ketchledge, Raymond W., Jamaica, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Automatic volume control circuits. 2,505,550, Apr. 25.
Ketel, Henry, assignor to Holland Hitch Company, Holland, Mich. Hitch pintle hook. 2,522,791, Sept. 19.
Ketelsen, Tage, Detroit, Mich. Fluorescent lamp fixture. 2,521,228, Sept. 5.
Kett Tool Company, The, assignee: *See*—
Koett, Albert C.
Ketterer, Stanley J., St. Louis, Mo. Strip guide attachment. 2,506,506, May 2.
Kettig, William H., Birmingham, Ala. Horseshoe for pitching game. 2,497,410, Feb. 14.
Kettler, Alfred H.: *See*—
Anderson, Leslie J., and Kettler.
Keuffel & Esser Company, assignee: *See*—
Bland, James R.
Hillman, Conway D.
Hunt, Herschel.
Kienast, John F.
Martin, Raymond I.
McClure, Hugh M.
Scanlan, Raymond J.
Virus, Hugo.
Keuper, William J., assignor to The National Marking Machine Company, Cincinnati, Ohio. Cleaning attachment for type wheels. 2,511,921, June 20.
Key Company, assignee: *See*—
Arnette, Dale.
Keyes, Grafton H.: *See*—
Brooker, Leslie G. S., and Keyes.
Keyes, Grafton H., assignor to Eastman Kodak Company, Rochester, N. Y. Thioketones. 2,500,126, Mar. 7.
Keyes, Grafton H., and L. G. S. Brooker, assignors to Eastman Kodak Company, Rochester, N. Y. Unsymmetrical oxonol filter and antihalation dyes. 2,533,472, Dec. 12.
Keyes, George G., assignor to Teletype Corporation, Chicago, Ill. Selective signaling system and apparatus. 2,502,654, Apr. 4.
Keyes, George G., assignor to Teletype Corporation, Chicago, Ill. Selective signaling system and apparatus. 2,522,453, Sept. 12.
Keyes, John J., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Apparatus for applying varnish to conductors and similar articles. 2,501,339, Mar. 21.
Keyes, John J., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Making insulated electrical conductors. 2,504,845, Apr. 18.
Keyl, Alexander C., assignor to The Sherwin-Williams Company, Cleveland, Ohio. Dispensing container for dusts. 2,522,621, Sept. 19.
Keys, Walter W., Pittsfield, Mass. Garment hanger. 2,510,587, June 6.
Keyser, Allen H., Worcester, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Heat sensitive device. 2,509,825, May 30.
Keyser, Naaman H., Los Alamos, N. Mex., assignor, by mesne assignments, to Eastern Clay Products, Inc., Indiana, Pa. Foundry composition and making same. 2,525,175, Oct. 10.
Keyser, Wilbur S., Hollywood, Calif. Hydraulic drive. 2,493,408, Jan. 3.
Keyston, Donald W., Pasadena, assignor to Lichtenberger-Ferguson Co., Los Angeles, Calif. Harness and ring therefor. 2,526,140, Oct. 17.
Keystone Engineering Company, assignee: *See*—
Marion, Alexander G.
Keystone View Company, assignee: *See*—
Brock, Frederick W.
Mast, Gifford M., and Gannett.
Keyzer, Albert J., Norwalk, Conn. Forming flat spiral glass tubing. 2,504,426, Apr. 18.
Keyzer-André, René, Miami, Fla. Grinding machine. 2,514,245, July 4.
Keyzer, Karl F., Rockford, Ill. Cigarette dispenser. 2,508,611, May 23.
Khalil, Seyed, New York, N. Y. Pneumatic tire. 2,524,808, Oct. 10.
Kharasch, Morris S., Chicago, Ill., assignor to the United States of America as represented by the Secretary of the Army. Deleading of gasoline. 2,504,134, Apr. 18.
Kharasch, Morris S., Chicago, Ill., assignor to Eli Lilly and Company, Indianapolis, Ind. Producing larger arylalkanes from smaller ones. 2,524,318, Oct. 3.
Kharasch, Morris S., Chicago, Ill., assignor to Eli Lilly and Company, Indianapolis, Ind. Producing larger cyanoalkanes from smaller ones. 2,524,319, Oct. 3.
Kharasch, Morris S., Chicago, Ill., assignor to United States Rubber Company, New York, N. Y. Halogen-containing derivatives of dicarboxylic acids and producing them. 2,525,912, Oct. 17.
Kharasch, Morris S., and F. H. Westheimer, Chicago, Ill., assignors to the United States of America as represented by the Secretary of War. Delay action fuse. 2,514,499, July 11.
Kharibian, Krikor, Boston, Mass. Revolving duster. 2,497,996, Feb. 21.
Kholos, Max., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Stock support for machines. 2,512,335, June 20.
Khouri, Alfred S., and W. C. Fischer, Milwaukee County, assignors to Globe-Union Inc., Milwaukee, Wis. Electric circuit component. 2,493,199, Jan. 3.

Kiar, Mogens: *See*—
McCoubrey, James A., and Kiar.
Kiatta, Nicholas H., Washington, D. C. Venetian blind. 2,506,507, May 2.
Kibbe, Edwin T., Pittsburgh, Pa. Infant poser. 2,509,040, May 23.
Kidd, Earl H.: *See*—
Shaw, Joe C., and Kidd.
Kidd, James C.: *See*—
Hutson, Canfield, Kidd, and Blair.
Kidd, Roy F., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Trip-free switch mechanism comprising a latch carried by a thrust-transmitting cam. 2,506,270, May 2.
Kidde Manufacturing Co., Inc., assignee: *See*—
Freygang, Walter H.
Hach, Clifford.
Kidde Manufacturing Company, Inc., assignee: *See*—
Noe, Harold C.
Kidder, Clifford A., Detroit, Mich. Toy bomb. 2,534,976, Dec. 19.
Kidder, Glenn A.: *See*—
Fontana, Celeste M., and Kidder.
Fontana, Celeste M., Oblad, and Kidder.
Kidder, Levina M., New Castle, Pa. Doily drier. 2,519,767, Aug. 22.
Kidwell, Edward W., Ogden Dunes, Ind. Stock car partition. 2,500,362, Mar. 14.
Kieber, William H., Detroit, Mich., assignor to The Gabriel Company, Cleveland, Ohio. Closure plate and valve assembly for shock absorbers. 2,518,553, Aug. 15.
Kiebert, Martin V., Jr., Arlington, Va. Frequency-modulated direction and range-finding apparatus. 2,508,400, May 23.
Kieckhefer, Robert J., Brookfield, assignor to American Lace Paper Company, Milwaukee, Wis. Nested cup. 2,530,124, Nov. 14.
Kiedinger, Leo E., assignee: *See*—
Smith, Richard M.
Kiefer, Augustine J., Pittsburgh, Pa. Frame mounting for window sashes and other closures. 2,504,204, Apr. 18.
Kiefer, Harold: *See*—
Resek, Marc, and Kiefer.
Kiefer, John M., Jr., Bedford, Ohio, assignor to The American Steel and Wire Company of New Jersey. Electrolytic polishing. 2,526,951, Oct. 24.
Kieffer, Jean, Norwich, Conn. Method and apparatus for determining radiation dosage. 2,496,218, Jan. 31.
Kiehne, Alfred J., Toledo, Ohio, assignor to Union Twist Drill Company, Athol, Mass. Die adjustment device. 2,502,854, Apr. 4.
Kiekhaefer Corporation, assignee: *See*—
Knuth, Carl.
Kiekhaefer, Elmer C., Cedarburg, Wis. Fluid lubricated planetary piston water pump. 2,493,148, Jan. 3.
Kiekhaefer, Elmer C., Cedarburg, Wis. Internal-combustion engine and cylinder block therefor. 2,506,271, May 2.
Kiekhoefel, Fred G., Astoria, and L. J. Nemecsek, New York, N. Y., assignors to Ralph B. Carter Company, Hackensack, N. J. Purifying sewage and the like. 2,528,887, Nov. 7.
Kiel, Hans R.: *See*—
Russell, Carl, and Kiel.
Kielczewski, Edward L.: *See*—
Rinne, John, Ashton, Mallard, and Kielczewski.
Kielczewski, Edward L., Kearny, N. J., and R. G. Mallard, Staten Island, N. Y., assignors to The M. W. Kellogg Company, Jersey City, N. J. Thread-cutting and clamping mechanism. 2,515,045, July 11.
Kieley, Michael F.: *See*—
Abbott, Arthur, R., Kieley, and Simon.
Kieley, Michael F., Derby, and A. R. Abbott, Shelton, Conn., assignors to Sidney Blumenthal & Co., Inc., New York, N. Y. Lay construction for looms. 2,496,628, Feb. 7.
Kieley & Mueller, Inc., assignee: *See*—
Ives, Clifford B.
Kielland, John L., Montreal West, Quebec, assignor to The Shawinigan Water & Power Co., Montreal, Quebec, Canada. Cable clamp. 2,497,820, Feb. 14.
Kiemle, Fred F.: *See*—
Ludwig, William F. and Kiemble.
Kienast, John F., River Edge, assignor to Keuffel & Esser Company, Hoboken, N. J. Chemical erasing of photographic silver images. 2,494,765, Jan. 17.
Kiene, Dorothy S., assignee: *See*—
Kiene, William J.
Kiene, William J., assignor to Dorothy S. Kiene, Chicago, Ill. Check valve. 2,497,086, Feb. 14.
Kienle, Roy H.: *See*—
Loukomsky, Anne M., Kienle, and Cooke.
Kienle, Roy H., and C. A. Amick, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y. Textile-finishing composition, treating wool-containing textile material therewith and product thereof. 2,514,132, July 4.
Kienow, Orwald E., South Acton, assignor to Raytheon Manufacturing Company, Newton, Mass. Antenna system. 2,534,271, Dec. 19.
Kier, Kenneth B., Middletown, Pa. Vehicle suspension system. 2,529,162, Nov. 7.
Kiernan, Earl F., San Diego, Calif. Crystal holder. 2,496,293, Feb. 7.
Kiernan, Joseph F., Jersey City, N. J. assignor to Air Reduction Company, Incorporated. Method and apparatus for thermochemically scarfing billets and the like. 2,532,103, Nov. 28.
Kierner, Anton: *See*—
Prazak, Emil, and Kierner.
Kiersted, Wynkoop, Jr., Scarsdale, assignor to Texaco Development Corporation, New York, N. Y. Removal of asphaltic constituents from hydrocarbon oil. 2,500,757, Mar. 14.
Kies, Elliott J., Canton, assignor to The Massillon-Cleveland-Akron Sign Company, Massillon, Ohio. Tire sign display. 2,517,884, Aug. 8.
Kiesel, Bernhard F., Detroit, Mich., assignor of one-half to B. K. Kiesel. Spring clip. 2,495,848, Jan. 31.
Kiesel, Bertha K., assignee: *See*—
Kiesel, Bernhard F.
Kieselhorst, Henry A., St. Louis, Mo. Mechanical arrow-projecting toy. 2,526,369, Oct. 17.
Kieser, Roy F., assignor to General Motors Corporation, Dayton, Ohio. Binding screw connection. 2,532,625, Dec. 5.
Kiesling, LeRoy H., Bay Shore, N. Y. Vertical lift control system. 2,493,293, Jan. 3.
Kiesling, Le Roy H., Bay Shore, N. Y. Vertical lift control system. 2,507,791, May 16.
Kiessling, Max, assignor to The American Fastener Company, Waterbury, Conn. Tool for attaching tangs to belts. 2,495,009, Jan. 17.
Kievit, Jasper, assignor to The Crystal Waxing Company, Middletown, Ohio. Machine for making roll dispensing containers. 2,504,698, Apr. 18.
Kifer, Charles D., Bellevue, and J. S. Hale, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Bonding conductors. 2,506,026, May 2.
Kight, William E.: *See*—
Martin, Mervin E., and Kight.
Kihlgren, Theodore E., Scotch Plains, N. J., assignor to The International Nickel Company, Inc., New York, N. Y. Welding electrode for cast iron. 2,499,827, Mar. 7.
Kihlgren, Theodore E., Berkeley Heights, N. J., assignor to The International Nickel Company, Inc., New York, N. Y. Welding electrode. 2,512,430, June 20.
Kihlgren, Theodore E., New Providence Township, Union County, G. R. Pease, and P. E. Le Grand, Plainfield, N. J., assignors to The International Nickel Company, Inc., New York, N. Y. Welding electrode. 2,520,806, Aug. 29.
Kihn, Harry, Lawrenceville, N. J., assignor to Radio Corporation of America. Radio bomb release system. 2,500,550, Mar. 14.
Kiilunen, Matt: *See*—
Bourque, Philip, and Kiilunen.
Kikly, Frank, Lima, Ohio. Vernier caliper base. 2,515,716, July 18.
Kilander, Acton K., Gibralter, and L. B. Edsall, Wyandotte, assignors, by mesne assignments, to Trenton Chemical Company, Trenton, Mich. Method and apparatus for separating starch from gluten. 2,530,823, Nov. 21.
Kilborn-Sauer Company, The, assignee: *See*—
Sauer, Arthur P.
Kilbourne, James: *See*—
Curley, Morton B., and Kilbourne.
Kilburn, Robert W.: *See*—
Kalmar, Arthur F., Kilburn, and Pancoast, Jr.
Kilfrost Manufacturing Company Limited, assignee: *See*—
Chanter, Harry.
Kilgore, Charles R., Fort Worth, Tex. Cover for electric service outlets. 2,510,745, June 6.
Kilgore, Helen F., assignee: *See*—
Kilgore, Lowell B.
Kilgore, Lowell B., assignee: *See*—
Weber, Karl H., and Kilgore.
Kilgore, Lowell B., Washington, D. C. N-substituted alkenyloxyacetamides. 2,504,427, Apr. 18.
Kilgore, Lowell B., assignor, by mesne assignments, to L. B. and H. F. Kilgore, Washington, D. C. N-substituted oxyacetamides. 2,520,551, Aug. 29.
Kilgour, Charles E., assignor to AVCO Manufacturing Corporation, Cincinnati, Ohio. Piezoelectric phonograph pickup device. 2,498,210, Feb. 21.
Kilgour, Charles E., Cincinnati, Ohio, assignor, by mesne assignments, to Avco Manufacturing Corporation. Stylus mounting for sound reproducers. 2,509,356, May 30.
Kilgour, Charles E., Cincinnati, Ohio, assignor, by mesne assignments, to AVCO Manufacturing Corporation. Pickup mounting. 2,510,342, June 6.
Kilgren, Evert W., and E. Gorin, Dallas, Tex., assignors, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Halogenation process. 2,498,552, Feb. 21.
Kilham, Oliver W., assignor to American Pipe and Steel Corporation, Alhambra, Calif. Head construction for horizontal liquefied petroleum tanks. 2,512,024, June 20.
Kilham, Oliver W., assignor to American Pipe and Steel Corp., Alhambra, Calif. Head construction for horizontal liquefied petroleum tanks. 2,513,181, June 27.
Kilham, Peter, Plainville, assignor to American Reenforced Paper Company, Attleboro, Mass. Method and apparatus for applying adhesive to fibrous webs. 2,533,167, Dec. 5.

Kilian, Rudolph R., Baldwinsville, N. Y. Bait casting reel. 2,520,552, Aug. 29.
Killborn-Sauer Company, The, assignee: *See*—
Sauer, Arthur P.
Kille, Lindley A., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Motor speed control system. 2,533,473, Dec. 12.
Killeen, Lucille S., assignee: *See*—
Sharp, Fred N.
Killefer, John Deere, Company, assignee: *See*—
Mitchell, Rollie H., and McKay.
Killey, Harlan L.: *See*—
Harrison, Eugene I., and Killey.
Killgore, Anthony J., Clay County, Mo., assignor to Phillips Petroleum Company. Rendering innocuous fluid fluoride catalyst. 2,507,603, May 16.
Killian, Claud R., Hayesville, N. C. Animal restrainer. 2,507,411, May 9.
Killian, Donald B., Newark, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of improved thioindigo pigments. 2,493,072, Jan. 3.
Killian, Edward S., assignor to Frank B. Killian & Company, Akron, Ohio. Coating process and apparatus. 2,511,717, June 13.
Killian, Frank B., & Company, assignee: *See*—
Killian, Edward S.
Killian, Stanley C.: *See*—
Fjellstedt, Thorsten, and Killian.
Killian, Stanley C., Glen Ellyn, assignor to The Delta-Star Electric Company, Chicago, Ill. Switch means. 2,527,269, Oct. 24.
Killingsworth, Robert B: *See*—
Beman, Warren A., Killingsworth, and Pabst.
Killingsworth, Robert B., Douglaston, and R. S. Sheie, West Brighton, N. Y., assignors to Socony-Vacuum Oil Company, Incorporated. Polyvinyl resin dispersions. 2,497,045. Feb. 7.
Killip, Robert E., West Kirby, assignor to J. Bebby & Sons Limited, Liverpool, England. Expressing machine cage. 2,522,876, Sept. 19.
Killough, James D., Shreveport, La. Calculator. 2,513,491, July 4.
Kilminster, George, Birmingham, assignor of one-half to EGA Electric Limited, Wednesbury, England. Electric switch gear. 2,532,172, Nov. 28.
Kilpatrick, Howard M., New York, N. Y. Check controlled and dispensing turnstile. 2,504,535, Apr. 18.
Kilpatrick, Martin, Philadelphia, Pa., assignor to the United States of America as represented by the United States Atomic Energy Commission. Dispersion separation. 2,521,121, Sept. 5.
Kilpatrick, Myron O.: *See*—
Boatright, Robert G., Jr., Kilpatrick, and Derrick.
Kilpatrick, Myron O., Bartlesville, Okla., assignor to Phillips Petroleum Company. Apparatus for measuring viscosity. 2,519,378, Aug. 22.
Kilvington, Thomas: *See*—
Mitchell, Henry T., and Kilvington.
Kimball, A., Company, assignee: *See*—
Cunningham, Gordon.
Cunningham, Gordon, and Woods.
Weimont, Joseph.
Kimball, Albert W.: *See*—
Allbert, Eugene F., and Kimball.
Kimball, Arthur E., Chicago, Ill., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Abrading contact wheel. 2,527,554, Oct. 31.
Kimball, Benjamin M., Gilman, Vt., assignor to The Cellucord Corporation. Apparatus for making paper cord. 2,505,505, Apr. 25.
Kimball, Charles N., Johnson County, Kans., W. R. Lewis, Clay County, Mo., and H. A. Strecker, Wyandotte County, Kans., assignors to C. J. Patterson Company, Kansas City, Mo. Testing moisture content of materials. 2,499,069, Feb. 28.
Kimball, James F., Jackson, Mich. Tone arm actuator. 2,514,548, July 11.
Kimball, James L., Danvers, assignor to Ruggles-Klingemann Mfg. Co., Salem, Mass. Control system. 2,499,760, Mar. 7.
Kimball, Linwood, Danvers, assignor to Ruggles-Klingemann Mfg. Co., Salem, Mass. Electrically operated shutoff valve. 2,504,428, Apr. 18.
Kimball, Mary H.: *See*—
Harrel, Chastain G., Brown, and Kimball.
Kimball, Robert H., Pittsfield, Mass., assignor to General Electric Company. Electric capacitor. 2,503,912, Apr. 11.
Kimball, Thomas B., Greenwich, Conn., and R. E. Howe, Sinclair, Wyo., assignors to Sinclair Refining Company, New York, N. Y. Cracking apparatus. 2,529,503, Nov. 14.
Kimball, Wallace D., Middle Haddam, J. F. Currivan, East Hampton, and J. H. Mosley, Portland, assignors, by mesne assignments, to Hartford-Empire Company, Hartford, Conn. Bottle delabeling apparatus. 2,516,998, Aug. 1.
Kimball, Walter S., Fort Warren, Wyo. Baby carrier. 2,535,683, Dec. 26.
Kimberley, Walter R.: *See*—
Weyenberg, Henry, and Kimberley.
Kimberlin, Charles N., Jr.: *See*—
Richardson, Roger W., and Kimberlin, Jr.
Kimberlin, Charles N., Jr., Baton Rouge, La., assignor to Standard Oil Development Company. Preparation of hydrogel catalyst. 2,524,809, Oct. 10.
Kimberlin, Charles N., Jr., Baton Rouge, La., assignor to Standard Oil Development Company. Preparation of hydrogel catalyst. 2,524,810, Oct. 10.
Kimberlin, Charles N., Jr., Baton Rouge, La., assignor to Standard Oil Development Company. Magnesia-ceria and magnesia-beryllia catalysts. 2,525,073, Oct. 10.
Kimberlin, Charles N., Jr., and J. A. Pierce, Baton Rouge, La., assignors to Standard Oil Development Company. Drying inorganic hydrogel particles. 2,503,913, Apr. 11.
Kimblad, Folke V.: *See*—
Bergmar, Sten E., and Kimblad.
Kimble, Dwight M., assignor to Union Oil Company of California, Los Angeles, Calif. Purification of alcohols. 2,497,997, Feb. 21.
Kimble, Harry E., Albuquerque, N. Mex. Portable electric refrigerator. 2,532,234, Nov. 28.
Kimble, Roger L., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Adjusting means for shutter operating mechanisms. 2,525,099, Oct. 10.
Kimbler, Samuel H., Denver, Colo. Snow removing device. 2,508,612, May 23.
Kimbrell, Hollie B., Berry, Ala. Glove. 2,524,979, Oct. 10.
Kime, Harold C., and L. C. Kime, Altadena, Calif. Transparent slide mount. 2,505,250, Apr. 25.
Kime, Lucille C.: *See*—
Kime, Harold C., and L. C.
Kimel, Walter: *See*—
Surmatis, Joseph D., and Kimel.
Kimmich, Elmer G.: *See*—
Carter, Raymond S., and Kimmich.
Kimple, Virgil R., Wooster, Ohio. Elastically supported oscillating toy. 2,500,253, Mar. 14.
Kinander, Harold W., assignor to Simplet Electric Company, Chicago, Ill. Conduit connecting device. 2,518,426, Aug. 8.
Kincaid, Arnold W., assignee: *See*—
Robinson, Elvin B., and Costner.
Kincaid, Frank M., Jr., Mountain Lakes, N. J., assignor to Wright Aeronautical Corporation. Intermittently operated valve tappet. 2,526,239, Oct. 17.
Kinchem, Steve, assignee: *See*—
Unterberger, Frank D.
Kind, Frederick H., assignor to Racine Tool & Machine Company, Racine, Wis. Boring apparatus. 2,519,476, Aug. 22.
Kind, Frederick H., assignor to Racine Tool & Machine Company, Racine, Wis. Power hammer. 2,519,477, Aug. 22.
Kinderman, Walter J., assignor to Yarnall-Waring Company, Chestnut Hill, Philadelphia, Pa. Differential pressure gauge. 2,509,644, May 30.
Kindler, George, St. Louis, Mo. Door key fastener. 2,528,757, Nov. 7.
Kindorf Co., The, assignee: *See*—
Kindorf, Harry L.
Kindorf, Harry L., assignor, by mesne assignments, to The Kindorf Co., San Francisco, Calif. Conduit supporting frame. 2,535,427, Dec. 26.
Kindsvatter, Richard L. V. assignor to Hagerstown Engineering Company, Inc., Hagerstown, Md. Special lock screw. 2,532,815, Dec. 5.
Kindt, Ernest T., Lakewood, Ohio. Dowel pin. 2,499,146, Feb. 28.
King, Alexander H.: *See*—
Cronstedt, Val. and King.
King, Archie P., Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Radio marker system. 2,520,008, Aug. 22.
King, Arthur S., Kansas City, Mo. Mechanical movement for crank-driven engines. 2,506,088, May 2.
King, Barnwell R., Flushing, N. Y., assignor to The Linde Air Products Company. Gas shielded induction fusion welding process. 2,528,758, Nov. 7.
King, Benjamin M., Jr., assignor to Henry B. Walker, Jr., Evansville, Ind. Making porous concrete. 2,534,915, Dec. 19.
King, Bertell W., Brooklyn, N. Y. Variable pitch propeller. 2,533,321, Dec. 12.
King, Carl B., Drilling Company, assignee: *See*—
Schabarum, Bruno R.
King, Carl M.: *See*—
Dietent, Harry W., Steinmueller and King.
King, Charles S. W.: *See*—
Rowe, Oliver R., King, and Stolp.
King Company, The, assignee: *See*—
Anderson, George A. M.
King, Donald M., Hitchin, England, assignor of one-half to Geo. W. King Limited. Busbar construction. 2,495,526, Jan. 24.
King, Donald M., assignor of one-half to Geo. W. King Limited, Hitchin, England. Chain guard. 2,529,084, Nov. 7.
King, Douglas H.: *See*—
Duff, Walter J.
King, Edward, Dalton, Ga. Portable type tufting machine. 2,534,916, Dec. 19.
King, Edward H., Oak Park, Ill. Engine pressure actuated injector. 2,518,901, Aug. 15.
King, Ellis G.: *See*—
Weaver, Harold E., and King.

King, Ernest L., administrator: *See*—
King, Frank A.
King, Forrest R., assignee: *See*—
Nielsen, Peter.
King, Foster W., assignor of one-half to J. E. Wiener, Houston, Tex. Machine for surfacing building units. 2,504,205, Apr. 18.
King, Frank A., deceased, Los Angeles, Calif., by A. W. Tedstrom, Parsons, Kans., and E. L. and W. S. King, Los Angeles, administrators; said administrators assignors to M. L. King, Tujunga, Calif. Antenna reel. 2,518,902, Aug. 15.
King, Frank A., deceased, Los Angeles, Calif., by A. W. Tedstrom, Parsons, Kans., and E. L. and W. S. King, Los Angeles, administrators; said administrators assignors to M. L. King, Tujunga, Calif. Fish reel spool mounting. 2,518,903, Aug. 15.
King, Frédéric, Zurich, Switzerland. Kiln. 2,512,899, June 27.
King, George E., Edgewood, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Saturable reactor control system. 2,519,379, Aug. 22.
King, George E., Edgewood, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Synchronized hoist control for dredge draglines. 2,534,917, Dec. 19.
King, George E., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Adjustable-voltage drive for reversible operation. 2,498,280, Feb. 21.
King, George E., Swissvale, R. W. Moore, Edgewood, and W. R. Harding, Export, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Motor speed control system. 2,508,172, May 16.
King, George E., Swissvale, and W. H. Formhals, Forest Hills, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Variable voltage motor drive. 2,510,637, June 6.
King, George L., Hollywood, Calif. Foldable baby crib. 2,518,904, Aug. 15.
King, Geo. W., Limited, assignee: *See*—
King, Donald M.
King, Hadi, Redondo Beach, Calif. Roofing. 2,533,378, Dec. 12.
King, Howard J., Wilkinsburg, and G. A. Jacobi, Moon Township, Allegheny County, assignors to Dravo Corporation, Pittsburgh, Pa. Crane. 2,515,777, July 18.
King, Ivan A.: *See*—
Hatch, Park, Hinz, and King.
King, Jack A.: *See*—
Heinze, Bennie, and King.
King, James T., Burbank, Calif. Hose clamp. 2,502,156, Mar. 28.
King, James T., Burbank, Calif. Aircraft, stabilized and positioned, light apparatus for aerial navigation. 2,532,104, Nov. 28.
King, James T., Burbank, Calif. Lawn mower. 2,532,105, Nov. 28.
King, John A., Albany, N. Y., assignor to Sterling Drug Inc., Wilmington, Del. Serine synthesis. 2,530,065, Nov. 14.
King, John M., Berwyn, assignor of one-half to R. E. Christensen, Chicago, Ill. Cigarette and cigar clipping device. 2,521,854, Sept. 12.
King, John W., and J. J. McNamee, assignors to Miles Park Machine & Tool, Inc., Cleveland, Ohio. Mechanism for removing and replacing valves. 2,527,555, Oct. 31.
King, Kenneth L., Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Secret carrier signaling method and system. 2,530,824, Nov. 21.
King, Kenneth L., Scarsdale, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. System for synchronizing the supplying of demodulation carrier currents. 2,530,825, Nov. 21.
King Kone Corporation, assignee: *See*—
Tatosian, Harry G.
King, L. D. Percival, Santa Fe, N. Mex., assignor to the United States of America, as represented by the United States Atomic Energy Commission. Ion source. 2,498,841, Feb. 28.
King, Louis A., Haddonfield, N. J., assignor to Radio Corporation of America. Oscillation generator. 2,534,521, Dec. 19.
King, Louis C., Quincy, Mass. Electromagnetic bell striker. 2,524,320, Oct. 3.
King, Lyle C., assignee: *See*—
Long, John R.
King, Marion M., Topeka, Kans. Pill and capsule dispensing tray and method. 2,507,792, May 16.
King, Mary L., assignee: *See*—
King, Frank A.
King, Robert G., assignor to The Robert J. King Company, Incorporated, Norwalk, Conn. Liquid cleaner. 2,528,230, Oct. 31.
King, Robert J., Company, Incorporated, assignee: *See*—
King, Robert G.
King, Robert S., Bonners Ferry, Idaho. Detachable illuminated card holder. 2,494,179, Jan. 10.
King, Rufus A., Wichita Falls, Tex. Firearm. 2,529,733, Nov. 14.
King Sales & Engineering Co., assignee: *See*—
McGihon, Leonard.
King, Sam: *See*—
Weiss, Thomas C., and King.
King-Seeley Corporation, assignee: *See*—
Darnell, Rex C.
Godley, Charles E.
Hare, Weldon P.
Larsen, Torleif I.
Morse, Glenn.
Sivacek, Emil E.
King, Stanley G., London, England, assignor, by mesne assignments, to The Ohio Crankshaft Company, Cleveland, Ohio. Thermionic valve apparatus. 2,516,089, July 18.
King, Stanley L., Charles City, Iowa. Portable truck elevator. 2,519,478, Aug. 22.
King, Thomas, Youngstown, Ohio. Score card holder. 2,528,695, Nov. 7.
King, Thomas E.: *See*—
Eddison, William B., and King.
King, Vernon B., Woodstock, Ontario, Canada. Unloading apparatus for vehicles. 2,495,898, Jan. 31.
King, Vernon B., Woodstock, Ontario, Canada. Brake applying mechanism for rocking wheel vehicles. 2,495,933, Jan. 31.
King, Victor L.: *See*—
Berg, Joseph, and King.
King, Walter E.: *See*—
Klemm, Lawrence C., and King.
King, Walter E., Houston, Tex. Rotary swivel. 2,501,680, Mar. 28.
King, Walter R., Torrance, Calif. Housekeeping, turtle-back trailer. 2,496,055, Jan. 31.
King, William A., trustee, assignee: *See*—
Claus, Philip S.
Claus, Philip S., and Readman.
King, William J., Brighton, England. Device for measuring angles and other dimensions. 2,533,890, Dec. 12.
King, William S., administrator: *See*—
King, Frank A.
Kingan & Co. Incorporated, assignee: *See*—
Gannon, Alfred C.
Kingdon, Ralph H.: *See*—
Jackson, John G., and Kingdon.
Kingsboro Silk Mills, Inc., assignee: *See*—
Quick, Donald, and Turnbull.
Kingsbury, Franklin L., Westfield, and F. J. Schultz, Fords, N. J., assignors to National Lead Company, New York, N. Y. Recovery of vanadium and chromium. 2,530,616, Nov. 21.
Kingsbury Machine Works, Inc., assignee: *See*—
Lakey, Arthur B.
Kingslake, Rudolf, assignor to Eastman Kodak Company, Rochester, N. Y. Reverse telephoto lens for enlargers. 2,507,164, May 9.
Kingsland Saw Works, Inc., assignee: *See*—
Peeples, Maurice E.
Kingsley, Arthur R.: *See*—
McKenzie, Lewis G., and Kingsley.
Kingsley, Lewis A., Los Angeles, Calif. Wire stamping machine. 2,517,493, Aug. 1.
Kingsmill, Harry, assignee: *See*—
Hult, Gustave W., and Kingsmill.
Kingston, Arthur W., Denham, England. Picture projection equipment. 2,525,552, Oct. 10.
Kingston, George A., Minneapolis, Minn. Reinforcing means of shipping frangible tubes. 2,528,959, Nov. 7.
Kingston, Jonas A., assignor to Gascoignes (Reading) Limited, Reading, England. Apparatus for cooling milk and for filling milk containers. 2,532,557, Dec. 5.
Kingston Products Corporation, assignee: *See*—
Rieth, Harold.
Kingston Products Company, assignee: *See*—
Rieth, Harold.
Woolley, Lee A.
Kingston, Ronald E., Ipswich, and R. G. Marchisio, Wenham, assignors to Sylvania Electric Products Inc., Salem, Mass. Fluorescent lighting fixture with quick detachable reflector. 2,525,553, Oct. 10.
Kingston, Walter E., Port Washington, N. Y., assignor to Sylvania Electric Products Inc., Emporium, Pa. Preoxidation of stainless steel. 2,502,855, Apr. 4.
Kingston, Walter E., assignor to Sylvania Electric Products Inc., Emporium, Pa. Composite metal insert. 2,524,263, Oct. 3.
Kinish, Arthur R., assignor to Perfect Seal Manufacturing Company, Incorporated, Highland Park, Mich. Weather strip for doors. 2,494,247, Jan. 10.
Kinkaide, Edwin L.: *See*—
Martin, James S., and Kinkaide.
Kinkead, Alan, Menlo Park, assignor to W. R. Ames Company, San Francisco, Calif. Apparatus and method for continuous manufacture of seamed tubing. 2,502,012, Mar. 28.
Kinn, Theodore P., Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Microwave heating of dielectric materials. 2,495,170, Jan. 17.
Kinn, Theodore P., Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Tuning control system. 2,512,336, June 20.

Kinne, Edmund P., Alliance, Ohio, assignor to American Steel Foundries, Chicago, Ill. Coupler. 2,498,958, Feb. 28.
Kinne, Edmund P., Alliance, Ohio, assignor to American Steel Foundries, Chicago, Ill. Coupler. 2,498,959, Feb. 28.
Kinne, Edmund P., Alliance, Ohio, assignor to American Steel Foundries, Chicago, Ill. Coupler operating mechanism. 2,500,418, Mar. 14.
Kinne, Edmund P., Alliance, Ohio, assignor to American Steel Foundries, Chicago, Ill. Coupler operating rod. 2,528,439, Oct. 31.
Kinnear Manufacturing Co., The, assignee: *See*— Greegor, Ralph H.
Kinnebrew, Walter L., Stockton, Calif. Bottle holder. 2,496,487, Feb. 7.
Kinneen, William P., Dublin, Eire. Vaporizing or gasifying liquids. 2,493,073, Jan. 3.
Kinney, Edward C., Chicago, Ill. Binder. 2,521,296, Sept. 5.
Kinney, J. Warren, Jr., assignee: *See*— Smith, Roy E.
Kinney, Layton C.: *See*— Thorp, Clark E., and Kinney.
Kinney, Lindsey: *See*— Lambly, Charles A. R., and Kinney.
Kinney, Robert J., Portland, Maine. Timing device. 2,511,347, June 13.
Kinney, S. P., Engineers, Inc., assignee: *See*— Kinney, Selwyne P., and Hartwick.
Kinney, Selwyne P., Crafton, and L. M. Hartwick, Beaver, assignors to S. P. Kinney Engineers, Inc., Pittsburgh, Pa. Blast furnace construction. 2,507,257, May 9.
Kinney, Walter W., Redondo Beach, Calif. Fishhook remover. 2,502,793, Apr. 4.
Kinney, Wesley R., Coalinga, and B. K. Vandeveer, Oilfields, assignors to Sheel Development Company, San Francisco, Calif. Perforation washer. 2,512,801, June 27.
Kinskie, Adam L., Morristown, Tenn. Muzzle. 2,499,868, Mar. 7.
Kinskie, Adam L., Morristown, Tenn. Halter. 2,525,684, Oct. 10.
Kinslow, Ray, Cookeville, Tenn., assignor to the United States of America as represented by the United States Atomic Energy Commission. Vacuum tube flux meter. 2,509,394, May 30.
Kinsman, Clarence W., New York, N. Y. Portable house. 2,527,012, Oct. 24.
Kinzelmann, Harry X., New York, N. Y. Water heater. 2,521,462, Sept. 5.
Kinzer, John P., Ridgefield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical resonator. 2,500,417, Mar. 14.
Kinzer, John P., Ridgefield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Frequency selective electrical device. 2,500,637, Mar. 14.
Kinzler, Morris, and E. Pearl, New York, N. Y. Magnetic pencil holder. 2,527,482, Oct. 24.
Kiphart, Otta W.: *See*— Webber, Ludwig A., and Kiphart.
Kipp, Karl, Olean, N. Y., assignor to Daystrom Corporation. Chair. 2,502,857, Apr. 4.
Kipper, Hugh J., St. Louis, Mo. Mechanical educational toy. 2,503,340, Apr. 11.
Kirby, George F.: *See*— Padgitt, Frank L., and Kirby.
Kirby, George W.: *See*— Johnston, William R., and Kirby.
Kirby, James B., West Richfield, Ohio. Vacuum cleaner. 2,500,832, Mar. 14.
Kirby, James B., West Richfield, Ohio. Vacuum cleaner with auxiliary suction tube and automatically controlled brush drive. 2,504,846, Apr. 18.
Kirby, James B., West Richfield, assignor to The Apex Electrical Manufacturing Co., Cleveland, Ohio. Apparatus for wasing clothes. 2,520,366, Aug. 29.
Kirby, James B., West Richfield, Ohio. Filter cleaner for vacuum dust collectors. 2,534,171, Dec. 12.
Kirby, James E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Pest control compositions for the control of bacteria and fungi containing 1,2-diacylethylene. 2,532,558, Dec. 5.
Kirby, John W., Memphis, Tenn. Cartridge holder and dispenser. 2,499,652, Mar. 7.
Kirby, Robert L., Moline, and E. E. McCombs, Rock Island, Ill. Telephone attachment for holding receiver switch. 2,518,554, Aug. 15.
Kircher, August C., Queens Village, N. Y. assignor, by mesne assignments, to Allied Control Company, Inc. Electric relay. 2,532,624, Dec. 5.
Kircher, Paul J., Plainville, assignor to Landers, Frary & Clark, New Britain, Conn. Carpet sweeper with removable dustpan assembly. 2,502,403, Mar. 28.
Kircher, Paul J., Plainville, assignor to Landers, Frary & Clark, New Britain, Conn. Relief pressure valve for pressure cookers. 2,509,101, May 23.
Kircher, Paul J., Plainville, assignor to Landers, Frary & Clark, New Britain, Conn. Adjustment for thermostatic switches. 2,511,471, June 13.
Kircher, Ralph N., assignor to West Bend Aluminum Co., West Bend, Wis. Handle assembly for utensils. 2,521,463, Sept. 5.
Kircher, Raymond J.: *See*— Hale, Douglas A. S., and Kircher.
Kirchhof, Julius, Ruxton, Md., assignor, by mesne assignments, to Franklin Railway Supply Company, New York, N. Y. Locomotive steam controlling system. 2,518,024, Aug. 8.
Kirchhof, Julius J.: *See*— Townsend, Albert J., and Kirchhof.
Kirchner, Frederick K., and C. J. Cavallito, Albany, assignors to Sterling Drug Inc., New York, N. Y. 2[2 (Phthalimido) ethyl]pyridines. 2,498,497, Feb. 21.
Kirchner, Osburn J., St. Louis County, Mo. Cleaning and polishing mitt. 2,505,409, Apr. 25.
Kirchoff, Vernon F.: *See*— Wells, Adelbert O., and Kirchoff.
Kirk, Cassius L., assignee: *See*— Magnuson, Roy M.
Kirk, Charles, Winnipeg, Manitoba, Canada. Dolly attachment for hammerheads. 2,527,738, Oct. 31.
Kirk, F. J., Molding Company, Inc., assignee: *See*— Schneider, Alexander S.
Kirk, Francis E., Oak Park, assignor to Hotpoint Inc., Chicago, Ill. Electric heating appliance. 2,519,051, Aug. 15.
Kirk, James G., Sr., assignor to J. A. Kerr, Jackson, Miss. Saw set. 2,514,700, July 11.
Kirk, Martin J.: *See*— De Tar, Donald R., and Kirk.
Kirk, Miles W., Berkeley, and H. O. Sherwood, Oakland, Calif., assignors, by mesne assignments, to Simplex Oil Heating Corporation, New York, N. Y. Spiral flame gas burner. 2,530,617, Nov. 21.
Kirk-Rich Dial Corp., assignee: *See*— Ballou, John M., and Filliung.
Kirk, Thomas E., Waitsburg, Wash. Moving comb type seed gatherer. 2,508,401, May 23.
Kirk, Walter B., East McKeesport, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake apparatus. 2,531,055, Nov. 21.
Kirk, William, Jr.: *See*— Bolton, Elmer K., and Kirk.
Kirk, William, Jr., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Reaction of alpha-beta unsaturated compounds with aromatic hydrocarbons and products obtained. 2,497,673, Feb. 14.
Kirk, William, Jr., C. Hundred, R. S. Schreiber, Wilmington, and G. M. Whitman, Claymont, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Bis(4-aminocyclohexyl) methane. 2,494,563, Jan. 17.
Kirkbride, Chalmer G., College Station, Tex., assignor of one-half to Owens-Corning Fiberglas Corporation and one-half to Standard Oil Company, (Indiana). Resolving water and oil emulsions. 2,522,378, Sept. 12.
Kirkbride, Chalmer G., and T. A. Burtis, assignors to Texas A. and M. Research Foundation, College Station, Tex. Process and apparatus for treating emulsions. 2,494,392, Jan. 10.
Kirkham, Walter T. P., Southwick, near Brighton, England. Torch for the subaqueous cutting of metals. 2,511,718, June 13.
Kirkham, Walter T. P., Southwick, near Brighton, England. Subaqueous blowpipe. 2,511,719, June 13.
Kirkman, Robert, Elberon, and M. Kline, Little Silver, N. J. Transferring ultra high frequency energy. 2,513,334, July 4.
Kirkpatrick, Arlo A.: *See*— Baney, Harry N., Slentz, Kirkpatrick, and Brickley.
Kirkpatrick, Arlo A., Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Tool slide. 2,525,805, Oct. 17.
Kirkpatrick, David: *See*— Beck, Clifford K., and Kirkpatrick.
Kirkpatrick, Henry O., assignor to Advance Manufacturing, Inc., Detroit, Mich. Air conditioning apparatus. 2,497,028, Feb. 7.
Kirkpatrick, Herwald, G., Edgecliff, near Sydney, New South Wales, Australia. Centrifugal clutch. 2,534,133, Dec. 12.
Kirkpatrick, Herwald G., Edgecliff, near Sydney, New South Wales, Australia. Automatic transmission gear box. 2,534,134, Dec. 12.
Kirkpatrick, John G., York, Nebr. Hydraulic thrust bearing. 2,523,310, Sept. 26.
Kirkpatrick, Joseph H., Jr., Darby, Pa. Electric power supply circuit. 2,501,681, Mar. 28.
Kirkpatrick, Ruel, and H. B. Young, assignors to Mission Manufacturing Company, Houston, Tex. Sleeve type slush pump liner. 2,530,246, Nov. 14.
Kirkpatrick, Willard H., and D. L. Wilson, Sugar Land, assignors to Visco Products Company, Houston, Tex. Resolving emulsions. 2,514,399, July 11.
Kirkpatrick, William E., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge apparatus. 2,509,065, May 23.
Kirkpatrick, William T., North Plainfield, N. J., assignor to The Hoover Company, North Canton, Ohio. Insulation liner for motor core slots. 2,495,010, Jan. 17.
Kirkpatrick, Willis B., Scarsdale, N. Y. Apparatus for making ice. 2,493,149, Jan. 3.
Kirksey, Amos H., Los Angeles, Calif. Service line coupling. 2,513,651, July 4.

Kirkwood, Ian W. A., Newcastle-on-Tyne, J. S. Gillhespy, Riding Mill, and F. Jeffrey, Wallsend, assignors to A. Reyrolle & Company Limited, Hebburn-on-Tyne, England. Molded plastic stress-distributing bushing. 2,523,219, Sept. 19.

Kirkwood, Loren R.: *See*—
Holst, Paul F. G., and Kirkwood.

Kirkwood, Walter B., Tipton, and W. R. Stevens, Atlanta, assignors to Tipton Furniture Company, Inc., Tipton, Ind. Rocker suspension. 2,529,619, Nov. 14.

Kirsch Company, assignee: *See*—
Bell, Ralph.
Ford, Ledger D., and Stutz.
Light, Earl.

Kirsch, Herman B., and E. Orinsky, New York, N. Y. Secret pocket construction for handbags. 2,521,377, Sept. 5.

Kirsch, William A., East McKeesport, and J. G. Wilhite, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Temperature measuring device. 2,530,973, Nov. 21.

Kirschbaum, Herbert S.: *See*—
Harder, Edwin L., and Kirschbaum.

Kirschenbaum, Isidor, New York, N. Y., and D. A. McCaulay, Chicago, Ill., assignors to the United States of America as represented by the United States Atomic Energy Commission. Corrosion testing apparatus. 2,532,257, Nov. 28.

Kirschman, Jack J., Atlantic City, N. J. Fishing float. 2,531,940, Nov. 28.

Kirschstein, Julius, and C. C. J. Maffei, Brooklyn, N. Y., assignors to Windalume Corporation, West New York, N. J. Window. 2,534,355, Dec. 19.

Kirsebom, Gustaf N., Riksby, assignor to Hellefors Bruks Aktiebolag, Hällefors, Sweden. Introducing bismuth into steel or iron baths. 2,493,251, Jan. 3.

Kirshenbaum, Isidor, Rahway, N. J., assignor to Standard Oil Development Company. Hydrocarbon synthesis. 2,509,869, May 30.

Kirsten, Kurt F. J., Seattle, Wash. Cycloidal propeller control mechanism. 2,532,235, Nov. 28.

Kirtz, Laura L., Cleveland, Ohio. Hosiery guard. 2,493,878, Jan. 10.

Kirwan, John D.: *See*—
Gruen, Alex, and Kirwan.

Kise, Mearl A., Petersburg, Va., assignor to Allied Chemical & Dye Corporation. Cellulose compound plasticized with an alpha-alkenyl succinimide. 2,502,962, Apr. 4.

Kiser, Ernest L., assignor of one-half to M. A. Kaiser, Los Angeles, Calif. Clothespin container. 2,524,352, Oct. 3.

Kish, Ernest L., Barberton, and M. L. Pules, Akron, Ohio. Liquid soap dispensing device. 2,514,769, July 11.

Kish, John S., Youngstown, assignor to E. E. Evans, Poland, Ohio. Automobile bug deflector. 2,515,604, July 18.

Kishibay, Charles O., New York, N. Y. Shipping carton for sensitive electrical instruments. 2,516,124, July 25.

Kishline, Floyd F., assignor to Nash-Kelvinator Corporation, Kenosha, Wis. Resilient mounting. 2,496,219, Jan. 31.

Kishline, Floyd F., assignor to Nash-Kelvinator Corporation, Kenosha, Wis. Synchronizer. 2,515,010, July 11.

Kishline, Floyd F., assignor to Nash-Kelvinator Corporation, Kenosha, Wis. Centrifugal clutch mechanism. 2,515,011, July 11.

Kisling, William L., St. Louis County, Mo. Supporting and pressing board structure for ironing tables. 2,516,219, July 25.

Kispert, Joseph J., Mount Carmel, Conn. Garment closure. 2,511,437, June 13.

Kispert, Joseph J., Mount Carmel, Conn. Crisscross uplift corset. 2,511,438, June 13.

Kiss, Ernest J., and H. W. Brown, assignors to G. E. Dunstan, Cleveland, Ohio. Hydraulic ground-piercing machine. 2,517,494, Aug. 1.

Kiss, Joseph, Jr.: *See*—
Werner, Anton, and Kiss.

Kisselburg, Richard C., Dundee, Ill. Soap ejector tray. 2,504,536, Apr. 18.

Kissell, Albert, Woodbridge, Conn. Fishhook. 2,531,941, Nov. 28.

Kissileff, Alfred J., Flourtown, Pa. Inseminator. 2,503,341, Apr. 11.

Kissinger, Lewis E., Washington, D. C., R. C. Duncan, Chevy Chase, E. F. Ellison, Silver Spring, and J. D. Turlay, Bethesda, Md. Electrolytic switch. 2,526,670, Oct. 24.

Kissner, Art F., Jr., Williston Park, N. Y. Pocket purse ash tray. 2,522,379, Sept. 12.

Kistler, Samuel S., West Boylston, assignor to Norton Company, Worcester, Mass. Regenerative furnace. 2,508,033, May 16.

Kistler, Walter, assignor to Schweizerische Lokomotiv-und Maschinenfabrik, Winterthur, Switzerland. Piezoelectric means for converting pressure variations into potential variations. 2,507,636, May 16.

Kitchen, Harry D., Grand Rapids, Mich., assignor to Sackner Products, Inc. Making paper yarn. 2,532,923, Dec. 5.

Kitchens, Cyrus: *See*—
Horton, Grover C., and Kitchens.

Kitchens, Garry C., Rutherford, N. J., assignor to The Givaudan Corporation. Preparing alpha-ionones. 2,517,576, Aug. 8.

Kite Aircraft Corporation, assignee: *See*—
Brantly, Newby O.

Kite, Clarence L., Radnor, assignor of two-thirds to P. E. Kite and one-third to I. Benson, Logansport, Ind. Flat tire detector switch. 2,520,247, Aug. 29.

Kite, Pauline E., assignee: *See*—
Kite, Clarence L.

Kitson, Alfred P., United States Army, Aptos, Calif. Collapsible and portable wardrobe having flexible walls and shelves. 2,533,333, Dec. 12.

Kitson, Joshua W.: *See*—
Rowledge, Eric G., and Kitson.

Kittelson, Matthias H., Minneapolis, Minn. Celestial navigation instrument. 2,527,189, Oct. 24.

Kittler, Milton J., Detroit, Mich., assignor to G. M. and E. Holley. Supercharger control. 2,511,348, June 13.

Kittler, Milton J., and H. B. Medley, Detroit, Mich., assignors to G. M. and E. Holley. Automatic choke. 2,518,794, Aug. 15.

Kittleson, Allen R.: *See*—
Mikeska, Louis A., and Kittleson.

Kittleson, Casper H., Sandwich, Ill. Compressor. 2,519,580, Aug. 22.

Kitto, William H., Chicago, Ill., assignor to The Hoover Company, North Canton, Ohio. Electric toaster. 2,502,655, Apr. 4.

Kitto, William H., and A. J. McMaster, assignors to G-M Laboratories, Inc., Chicago, Ill. Heater fan combination. 2,513,945, July 4.

Kittredge, Arthur E., Audubon, N. J., assignor, by mesne assignments, to Reconstruction Finance Corporation, Philadelphia, Pa. Controller. 2,533,587, Dec. 12.

Kittredge, Raymond E., Port Dickinson, assignor to Link Aviation, Inc., Binghamton, N. Y. Computer for grounded aviation trainers for converting indicated air speed to true air speed and vice versa. 2,514,770, July 11.

Kittson, William M., executor: *See*—
Brainard, Frank K., and Ringland.

Kiwad, Isadore, Westwood, N. J. Toe protector. 2,531,851, Nov. 28.

Kizaur, Arthur J., Cicero, assignor to General Electric X-Ray Corporation, Chicago, Ill. Table construction. 2,526,879, Oct. 24.

Kjelgaard, Bayard L., South Norwalk, Conn. Infrared heater. 2,527,013, Oct. 24.

Kjell-Berger, B. G. K., and K. E. Lönnqvist, Norrkoping, Sweden. Connecting plug. 2,517,677, Aug. 8.

Kjerulff, Anton P., Lake Charles, La. Portable drill press. 2,508,402, May 23.

Klaas, Gustave P., Temple City, assignor to C. F. Braun & Co., Alhambra, Calif. Valve. 2,505,410, Apr. 25.

Klaassen, William, Grand Rapids, Mich. Foot measuring device. 2,520,248, Aug. 29.

Klaeui, Heinrich: *See*—
Lindlar, Herbert, and Klaeui.

Klagges, Henry C., Collingswood, N. J., and H. C. Kofke, Philadelphia, Pa., assignors to Esterbrook Pen Company, Camden, N. J. Fountain pen. 2,500,833, Mar. 14.

Klancnik, Frank J., Jr.: *See*—
Ferris, William T., and Klancnik.

Klaner, Joe F., Jr., assignee: *See*—
Rosencranse, Charles R.

Klann, Martin C., assignee: *See*—
Stalker, Herbert J.

Klar, Adolph, New York, N. Y. Cap. 2,497,892, Feb. 21.

Klar-Film A. G., assignee: *See*—
Gruter, Bernhard.

Klar, Robert L., Jr., Cincinnati, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric control system for direct-current motors. 2,516,577, July 25.

Klarer, Willi: *See*—
Miescher, Karl, and Klarer.

Klásek, Viktor, Prague, Czechoslovakia. Connection for solving the relation of several variables. 2,501,058, Mar. 21.

Klasey, John H.: *See*—
Hodges, Ralph, and Klasey.

Klasey, John H., and J. W. Wiegner, St. Louis, and B. E. Barnes, Jennings, assignors to Carter Carburetor Corporation, St. Louis, Mo. Stapling machine. 2,523,830, Sept. 26.

Klasing, Arthur P.: *See*—
George, Walter C., and Klasing.

Klaus, John B., assignor of one-half to L. Tiahnybik, Chicago, Ill. Sausage end filler. 2,523,436, Sept. 26.

Klause, Karl: *See*—
Mueller, William G., Klause, and Meier.

Klausner, Aaron W.: *See*—
Ravkind, Lou, and Klausner.

Klavon, Theodore, Jackson, Mich. Vane type hydraulic clutch. 2,514,449, July 11.

Klay, Fred W., Pana, Ill. Lawn mower. 2,500,419, Mar. 14.

Klay, George H., assignor to The Triplett Electrical Instrument Co., Bluffton, Ohio. Detent for selector switches. 2,511,349, June 13.

Klazkin, Alfred, Brooklyn, N. Y. Cradle crib. 2,532,236, Nov. 28.

Klebe, Erich O., Minneapolis, Minn. Automatic safety firing control for repeating shotguns. 2,498,553, Feb. 21.
Kleber, Jackson O., Long Island City, N. Y. Double-track recording system. 2,517,440, Aug. 1.
Kleckner, Abraham O.: *See*—
Evans, Morris S., Kleckner, and Watson.
Kleczka, Henry V., Milwaukee, Wis. Mouthpiece for musical instruments. 2,504,336, Apr. 18.
Klee, Harry M., Washington, D. C. Combination automobile and home wardrobe. 2,502,963, Apr. 4.
Kleeberg, Gunther K. E., Belfast, Maine. Door latch. 2,510,746, June 6.
Kleen Refrigerator, Inc., assignee: *See*—
Af Kleen, Nils E.
Kleen, Werner: *See*—
Doehler, Oskar, Kleen, and Huber.
Kleen, Werner, O. Döhler, and H. Huber, Paris, France, assignors to Compagnie Generale de Telegraphie Sans Fil. Amplifying valve of the progressive wave type. 2,511,407, June 13.
Kleene, Richard D., Somerville, N. J., assignor to American Cyanamid Company, New York, N. Y. 1-aryl-5-pyrazolone azo compounds. 2,512,251, June 20.
Klehr, Samuel, Newark, N. J. Brief bag closure means. 2,503,746, Apr. 11.
Kleiman, Floyd R., Lincoln, Nebr. Trailer coupling. 2,520,039, Aug. 22.
Kleiman, Macklen, assignor, by mesne assignments, to Holtzer-Cabot, Inc., Boston, Mass. Centrifugal cutout switch. 2,519,140, Aug. 15.
Kleiman, Morton: *See*—
Herzfeld, Simon H., and Kleiman.
Kleiman, Morton, assignor to Velsicol Corporation, Chicago, Ill. Production of organo-thiyl compounds. 2,510,893, June 6.
Kleiman, Morton, assignor to Velsicol Corporation, Chicago, Ill. Production of organo-thiyl compounds. 2,510,894, June 6.
Klein, Arthur, assignor to Glensder Textile Corp., New York, N. Y. Package for scarves or the like. 2,501,468, Mar. 21.
Klein, Arthur, New York, N. Y. Hair curler. 2,522,123, Sept. 12.
Klein, Ben, and C. Miller, assignors to Varden Dress, Inc., New York, N. Y. Garment construction. 2,528,834, Nov. 7.
Klein, Benjamin: *See*—
Klein, Goldie J. and B.
Klein, Benjamin and G. J., Long Island City, N. Y. Novelty box. 2,511,211, June 13.
Klein, Charles H., Cleveland, Ohio., assignor to The National Telephone Supply Company. Die head device. 2,533,943, Dec. 12.
Klein, Clarence J., Hollidays Cove, W. Va., assignor to National Steel Corporation. Method and apparatus for electrolytic coating of strip material. 2,509,304, May 30.
Klein, David X., Andover, Mass., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Hydrocarbosilicon isocyanates. 2,532,559, Dec. 5.
Klein, Edward W., Jr., Atlanta, Ga. Plural tube filter. 2,519,663, Aug. 22.
Klein, Elias, Washington, D. C. Tourmaline crystal transducer. 2,520,938, Sept. 5.
Klein, Emanuel, Brooklyn, N. Y. Combined bread and cutlery cabinet. 2,523,121, Sept. 19.
Klein, Eugene L.: *See*—
Bruce, David S., and Klein.
Klein, Geoffroy C. G., assignee: *See*—
Poncelet, Gaëtan A.
Klein, Goldie J.: *See*—
Klein, Benjamin and G. J.
Klein, Goldie J. and B., Long Island City, N. Y. Apparatus for making greeting cards. 2,503,747, Apr. 11.
Klein, Gustav, Melrose Park, assignor to Caloric Stove Corporation, Philadelphia, Pa. Detachable bottom for ovens or broilers. 2,498,554, Feb. 21.
Klein, Gustav, Melrose Park, assignor to Caloric Stove Corporation, Philadelphia, Pa. Fuel control adapter for gas stoves. 2,524,130, Oct. 3.
Klein, Harry, Brooklyn, N. Y. Hollow concrete building block. 2,519,664, Aug. 22.
Klein, Harry J., Yonkers, N. Y. Skid chain applying clamp. 2,507,376, May 9.
Klein, Joseph, Arlington, Wash. Fishing plug. 2,516,468, July 25.
Klein, Joseph S., Jr., Plymouth, Mich. Valve seat grinder. 2,535,292, Dec. 26.
Klein, Marvin M.: *See*—
Barbara. Louis J., Klein, and Howard.
Klein, Mary: *See*—
Seguin, Edmund L., and Klein.
Klein, Melvin: *See*—
Pellegrinelli, George L., and Klein.
Klein, Norman E., Clemson, S. C., assignor to the United States of America as represented by the Secretary of the Navy. Radio-frequency switch. 2,509,928, May 30.
Klein, Paul U., Bronx, N. Y. Composite ribbon. 2,512,337, June 20.
Klein, Siegfried, assignor to Comptoir des Cendres et Metaux Precieux, Paris, France. Thermionic emitting device. 2,524,227, Oct. 3.
Klein, Solomon, assignor to S. Simpson Limited, London, England. Waistband of trousers, shorts, skirts, and the like. 2,530,618, Nov. 21.
Klein, Victor G., assignor to Lincoln Engineering Company, St. Louis, Mo. Valve. 2,524,129, Oct. 3.
Klein, William: *See*—
Patterson, Everett M., and Klein.
Klein, William F., Watertown, N. Y., assignor to The New York Air Brake Company. Variable load brake. 2,517,885, Aug. 8.
Kleineberg, Paul E., Easton, Pa., assignor to T. W. & C. B. Sheridan Company, New York, N. Y. Signature hopper mechanism. 2,532,626, Dec. 5.
Kleiner, Willy, Rapperswil, Switzerland. Artificial tooth and securing same. 2,531,517, Nov. 28.
Kleinfeld, Benjamin W.: *See*—
Jeckert, Joseph F., and Kleinfeld.
Kleinfeld, Rudolph B., West Salem, Ohio. Engine cylinder. 2,513,492, July 4.
Kleinfelder, Walter C., Summit, and D. T. Sharpe, Morristown, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Making cable joints. 2,509,929, May 30.
Kleinholz, Milton P.: *See*—
Hoock, William S., and Kleinholz.
Kleinholz, Milton P., East Chicago, Ind., assignor to Sinclair Refining Company, New York, N. Y. Alkaline earth sulfonates. 2,499,997, Mar. 7.
Kleinholz, Milton P., East Chicago, Ind., assignor to Sinclair Refining Company, New York, N. Y. Diesel fuel. 2,506,089, May 2.
Kleinholz, Milton P., East Chicago, and T. A. Hack, Hammond, Ind., assignors to Sinclair Refining Company, New York, N. Y. Stabilized ammonium mahogany sulfonates. 2,522,518, Sept. 19.
Kleinholz, Milton P., East Chicago, and T. A. Hack, Hammond, Ind., assignors to Sinclair Refining Company, New York, N. Y. Stabilized ammonium mahogany sulfonates. 2,522,519, Sept. 19.
Kleinman, Jacob L., New York, N. Y. Adjustable eyeglass temple. 2,503,275, Apr. 11.
Kleinrock, Jack L., Los Angeles, Calif. Molded shoulder pad. 2,509,645, May 30.
Kleinschmidt, Edward E., Miami Beach, Fla. Telegraphic communication system. 2,502,013, Mar. 28.
Kleinschmidt, Willard G., Milwaukee, Wis. Work illuminating tool handle. 2,525,414, Oct. 10.
Kleis, Derk, M. V., L. R. Bourgonjon, and F. C. W. Sloof, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Image system with conveyer having parallel lines for development of control signals. 2,512,547, June 20.
Kleist, Herman W., assignor to Dole Refrigerating Company, Chicago, Ill. Domestic refrigerating unit. 2,496,220, Jan. 31.
Kleist, Herman W., assignor to Dole Refrigerating Company, Chicago, Ill. Two-temperature refrigerator. 2,521,063, Sept. 5.
Kleist, Herman W., assignor to Dole Refrigerating Company, Chicago, Ill. Knockdown refrigerator tank unit. 2,521,064, Sept. 5.
Kleist, Herman W., assignor to Dole Refrigerating Company, Chicago, Ill. Block freezing unit. 2,523,956, Sept. 26.
Kleist, Herman W., assignor to Dole Refrigerating Company, Chicago, Ill. Transportation refrigeration unit. 2,523,957, Sept. 26.
Kleist, Herman W., assignor to Dole Refrigerating Company, Chicago, Ill. Multitemperature refrigerator car. 2,534,272, Dec. 19.
Kleist, Herman W., assignor to Dole Refrigerating Company, Chicago, Ill. Self-contained refrigerating freight car unit. 2,534,273, Dec. 19.
Klejna, Vincent J., Blanchester, Ohio. Food cutter. 2,502,157, Mar. 28.
Klekamp, Leroy E., Jr.: *See*—
Miner, Robert S., Jr., and Klekamp.
Klekot, Frank P., Newark, N. J. Ash tray. 2,508,575, May 23.
Klemm, Lawrence C., and W. E. King, Ashland, Ohio. Merchandise dispenser. 2,493,976, Jan. 10.
Klemm, William F., Detroit, Mich. Locking device. 2,518,334, Aug. 8.
Klemperer, Hans: *See*—
Dawson, John W., and Klemperer.
Klemperer, Hans, Belmont, assignor to Raytheon Manufacturing Company, Newton, Mass. Resistance welding method employing electrical energy storage means. 2,493,762, Jan. 10.
Klemperer, Hans, Belmont, assignor to Raytheon Manufacturing Company, Newton, Mass. Oscillator circuit. 2,494,046, Jan. 10.
Klemperer, Hans, Belmont, assignor to Raytheon Manufacturing Company, Newton, Mass. Impulse resistance welder. 2,508,115, May 16.
Klemperer, Hans, Belmont, assignor to Raytheon Manufacturing Company, Newton, Mass. Electrical protective system. 2,527,483, Oct. 24.
Klemperer, Hans, Belmont, assignor to Raytheon Manufacturing Company, Newton, Mass. Electrical control systems. 2,530,705, Nov. 21.
Klenk, Karl J., Wilmington, Del. Gripping or cutting hand tool. 2,535,215, Dec. 26.

Klenke, Chris C., Ashton, Ill. Vegetable harvester. 2,514,771, July 11.

Klepetko, Ernest, and P. D. Kaye, Bauer, and L. J. Hartzell, Jr., Tooele, assignors to Combined Metals Reduction Company, Stockton, Utah. Recovering refined resins from coal. 2,506,300, May 2.

Klepetko, Ernest, and P. D. Kaye, Bauer, and L. J. Hartzell, Jr., Tooele, assignors to Combined Metals Reduction Company, Stockton, Utah. Recovery of resins from coal. 2,506,301, May 2.

Klesper, John, Milwaukee, Wis. Paste applying device. 2,523,220, Sept. 19.

Klettke, Walter G.: *See*—
Cookson, Leonard T., and Klettke.

Kliefoth, Max H., Westport, assignor to Research Products Corporation, Madison, Wis. Filter apparatus. 2,513,946, July 4.

Kliever, Waldo H., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Aircraft control system. 2,513,493, July 4.

Kliever, Waldo H., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Liquid level indicating means. 2,530,619, Nov. 21.

Kliever, Waldo H., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control apparatus. 2,530,775, Nov. 21.

Kliever, Waldo H., and I. H. Johnson, assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Gyroscopic instrument. 2,512,746, June 27.

Kliewer, Edward A., Sr., Longview, Tex. Muffler with expansion chamber and transverse perforated baffles. 2,500,551, Mar. 14.

Klijzing, Daniël, assignor to N. V. Bronswerk, Amersfoort, Netherlands. Water-cooled grate. 2,512,431, June 20.

Klíma, Vilém, Prague, assignor of one-half to Moravian Electrical Engineering Works, National Corporation, Olomouc, Czechoslovakia. Winding for commutator machines with large output per pole. 2,502,964, Apr. 4.

Klíma, Vilém, Prague, assignor of one-half to Moravian Electrical Engineering Works, National Corporation, Olomouc, Czechoslovakia. Commutator winding for multiphase commutator machines. 2,504,537, Apr. 18.

Klíma, Vilém, Prague, assignor of one-half to Moravian Electrical Engineering Works, National Corporation, Olomouc, Czechoslovakia. Multiplex parallel commutator winding for commutator apparatus. 2,525,913, Oct. 17.

Klíma, Vilém, Prague, assignor of one-half to Moravian Electrical Engineering Works, National Corporation, Olomouc, Czechoslovakia. Squirrel-cage armature of induction motor with bridge resistance. 2,528,960, Nov. 7.

Kline, Albert J., New Douglas, Ill. Cow tail holder. 2,513,494, July 4.

Kline, Alvin J., Grosse Pointe Woods, and L. H. Frailing, assignors to Packard Motor Car Company, Detroit, Mich. Crankcase ventilation. 2,524,597, Oct. 3.

Kline, Bernard L., Manhasset, assignor to The Western Union Telegraph Company, New York, N. Y. Electrosensitive recording blank. 2,528,005, Oct. 31.

Kline, Douglas: *See*—
Martin, Leonora R., and Kline.

Kline, Emil, Cleveland Heights, assignor to Industrial Rayon Corporation, Cleveland, Ohio. Production of viscose solutions. 2,513,652, July 4.

Kline, Leroy F., assignor to Industrial Wire Cloth Products Company, Wayne, Mich. Floating screen. 2,508,952, May 23.

Kline, Melvin B., Rutherford, and Peter S. Christaldi, Upper Montclair, assignors to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Cathode-ray tube deflection sensitivity correction circuit. 2,520,728, Aug. 29.

Kline, Melvin B., Rutherford, and P. S. Christaldi, Upper Montclair, assignors to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Correcting position of undeflected spot on multigun cathode-ray tubes. 2,522,380, Sept. 12.

Kline, Morris: *See*—
Kirkman, Robert, and Kline.

Kline, Morris, Little Silver, N. J., assignor to the United States of America as represented by the Secretary of War. Meteorological telemetering system. 2,500,186, Mar. 14.

Kline, Morris, Little Silver, N. J., assignor to the United States of America as represented by the Secretary of War. Rotating antenna scanning system. 2,521,732, Sept. 12.

Kline, Raymond V.: *See*—
George, Nils N., and Kline.

Kline, Robert E.: *See*—
Montgomery, Charles W., Gilbert, and Kline.

Klinefelter, Theron A., Tuscaloosa, Ala. Producing lightweight aggregate from clay. 2,493,763, Jan. 10.

Kling, Aberhart P.: *See*—
Sanders, Fill C., and Kling.

Kling Bros. Engineering Works, assignee: *See*—
Kling, Olaf E.
Mikshel, John J.

Kling, Fred E., Youngstown, Ohio, assignor to Carnegie-Illinois Steel Corporation. Hot-blast stove. 2,494,816, Jan. 17.

Kling, Fred E., Youngstown, Ohio. Swinging hot saw. 2,534,977, Dec. 19.

Kling, Henry, Etna, assignor to The National Supply Company, Pittsburgh, Pa. Hot saw. 2,527,014, Oct. 24.

Kling, John J., Tuckahoe, assignor to Western Electric Company, Incorporated, New York, N. Y. Disassembling apparatus. 2,515,046, July 11.

Kling, Olaf E., assignor to Kling Bros. Engineering Works, Chicago, Ill. Unloading structure for garment cylinders. 2,508,034, May 16.

Kling, Thomas T.: *See*—
Weber, Louis L., Kling, and Franken.

Klingaman, George W., Camden, N. J., assignor to Radio Corporation of America. Electronic heating method and apparatus. 2,521,797, Sept. 12.

Klingbiel, Augusta A., Los Angeles, Calif. Piecrust shaper. 2,506,928, May 9.

Klingebiel, Anthony T., Richmond, Ind. Dumping body. 2,529,558, Nov. 14.

Klingel, Edward L., West St. Paul, Minn. Wire support. 2,510,182, June 6.

Klingel, Walter C., Basking Ridge, N. J. Killing weeds. 2,531,276, Nov. 21.

Klingens, Cornelis, La Porte, Ind., assignor to U. S. Slicing Machine Company, Inc. Reciprocating receiving tray for meat slicing machines. 2,528,888, Nov. 7.

Klingens, Cornelis, La Porte, Ind., assignor to U. S. Slicing Machine Company, Inc. Slicing machine with swinging knife with stacking device. 2,534,172, Dec. 12.

Klinger, Walter, Fairfield, Conn. Plastic-reinforced bowling pin. 2,517,116, Aug. 1.

Klingerit, Inc., assignee: *See*—
Jaegle, William C.

Klingman, David, Brooklyn, N. Y. Adjustable drilling jig. 2,535,581, Dec. 26.

Klinkenstein, Gustave, Maplewood, N. J. Brushing lacquer. 2,506,223, May 2.

Klinkhamer, Hendrik A. W., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Rectifying installation. 2,502,729, Apr. 4.

Klinkosh, Benjamin J., Milwaukee, Wis. Vented finger socket for bowling balls. 2,518,335, Aug. 8.

Klinksiek, Karl W., Richmond Heights, assignor to Wagner Electric Corporation, St. Louis, Mo. Apparatus for cleaning internal surfaces of hollow castings. 2,501,129, Mar. 21.

Klippel, Kenneth L., *See*—
Sherwood, John R., and Klippel.

Klippert, Andrew A., Hollis, N. Y., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Dentifrice. 2,519,665, Aug. 22.

Kliss, Charles J., Garfield, N. J. Twin seat lawn swing. 2,535,800, Dec. 26.

Klix, Richard V., Verona, N. J. Detachable dispensing faucet for containers. 2,502,858, Apr. 4.

Klock, George E., Kenmore, N. Y., assignor to International Cellucotton Products Company, Chicago, Ill. Method and apparatus for making loop-equipped sanitary napkins. 2,510,638, June 6.

Klod, John A., Chicago, Ill. Cutter blade and a holder therefor. 2,509,976, May 30.

Kloepper, Valentine C., Detroit, Mich. Running board for auto trucks and the like. 2,501,819, Mar. 28.

Kloetzel, Milton C., Los Angeles, Calif., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Preparing alkylidenesuccinic esters. 2,498,371, Feb. 21.

Kloman, William C., Jr., Miami Beach, Fla. Mortar applicator. 2,531,133, Nov. 21.

Klosterman, Joseph J., deceased, late of Dayton, Ohio, by Mary Klosterman, executrix, assignor to The National Cash Register Company, Dayton, Ohio. Record material equipment for cash registers. 2,497,264, Feb. 14.

Klosterman, Mary, executrix: *See*—
Klosterman, Joseph J.

Klostermann, Curt W., Chicago, Ill. Rotary joint. 2,514,160, July 4.

Klotkowski, Edward, Brooklyn, N. Y. Hair curler for making sculpture curls. 2,513,097, June 27.

Klotsch, Paul, assignor to Crosley Motors, Inc., Cincinnati, Ohio. Internal-combustion engine. 2,511,823, June 13.

Kluck, Louis, Shawnee, Okla. Heater coil for use with butane or propane gas systems. 2,506,721, May 9.

Kludjian, Avedis H., L. W. Parrack, T. A. Newell, and R. W. Baumgardner, Oakland, Calif.; said Parrack, said Newell, and said Baumgardner, assignors to Kludjian. Metal awning. 2,523,534, Sept. 26.

Kluender, Edward C., Schenectady, N. Y., assignor to General Electric Company. Tube protective circuit. 2,504,699, Apr. 18.

Klug, Charles W.: *See*—
Fagen, William F., Klug, and Allen.

Klug, Eugene D., assignor to Hercules Powder Company, Wilmington, Del. Preparation of cellulose ethers. 2,523,377, Sept. 26.

Klug, Eugene D., Wilmington, and H. M. Spurlin, Marshallton, assignors to Hercules Powder Company, Wilmington, Del. Preparation of cellulose ethers. 2,512,338, June 20.

Klug, Eugene D., and J. S. Tinsley, assignors to Hercules Powder Company, Wilmington, Del. Preparation of carboxyalkyl ethers of cellulose. 2,517,577, Aug. 8.

Klug, Ferdinand H., Benton Harbor, Mich. Hot-air furnace. 2,527,937, Oct. 31.

Kluge, Herman D., Wappingers Falls, assignor to The Texas Company, New York, N. Y. Rust-inhibiting lubricating composition. 2,496,798, Feb. 7.
Kluge, Herman D., and E. C. Knowles, Beacon, assignors to The Texas Company, New York, N. Y. Turbine oil composition. 2,526,755, Oct. 24.
Kluglein, Theobald, Valley Stream, N. Y. Hospital bed attachment. 2,499,101, Feb. 28.
Kluijtmans, Christian, Boussieu, Bourgoin, France. Manufacture of black-heart malleable cast iron. 2,501,059, Mar. 21.
Klussman, Fritz, Buffalo, N. Y., assignor to The Standard Stoker Company, Incorporated. Dough divider. 2,515,125, July 11.
Klute, Walter A., Westfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Frequency-controlled oscillator. 2,522,124, Sept. 12.
Kluth, Jacob, Wolf Point, Mont. Plug wrench. 2,515,558, July 18.
Klyce, Stephen D.: *See*—
McDonald, John J., and Klyce.
Klykken, Nils: *See*—
Vitalius, Josef V., and Klykken.
Kmecik, George J., Philadelphia, Pa. Applying metallic coatings on nonmetallic materials. 2,511,472, June 13.
Kmentt, Wolfgang, assignee: *See*—
Souczek, Ernst.
Kmiecik, Leopold J., assignor to McDonnell & Miller, Inc., Chicago, Ill. Safety relief valve construction. 2,528,440, Oct. 31.
Kmita, Myros, Abernathy, Saskatchewan, Canada. Device for holding windows. 2,506,508, May 2.
Knabusch, Edward M., and E. J. Shoemaker, assignors to La-Z-Boy Chair Company, Monroe, Mich. Fabric cutting machine. 2,527,739, Oct. 31.
Knapp, Fred E., Jr., Cissna Park, Ill. Ejector unloading apparatus for vehicles. 2,512,339, June 20.
Knapp, James W., Brockport, assignor to General Railway Signal Company, Rochester, N. Y. Polychrome beam light signal. 2,531,337, Nov. 21.
Knapp, Leslie E.: *See*—
Bourne, Roland B., and Knapp.
Knapp, Marion A., assignee: *See*—
Snider, Kenneth M.
Knapp-Monarch Company, assignee: *See*—
Dafforn, Kenneth B., and Huffman.
Holstein, Alvin W., and McCarron.
Huck, Alfred J.
Huffman, Russell I.
Kochner, William B.
Kochner, William B., and Ward.
Scharf, Frank W.
Snyder, Leland H.
Knapp, Roland W., Wayzata, Minn., assignor to Solar Corporation, Milwaukee, Wis. Clothes-washing machine. 2,502,965, Apr. 4.
Knapp, Roland W., Wayzata, Minn. Hydraulic steering gear for motor vehicles. 2,507,106, May 9.
Knapp, Seth R., Abbeville, La. Pipe-line reclaimer. 2,528,231, Oct. 31.
Knapp, Walter H., Newport Beach, Calif. Independent wheel suspension. 2,507,980, May 16.
Knapp, William A., New York, N. Y., assignor to Allied Chemical & Dye Corporation. Impregnating wood with sodium thiosulfate. 2,503,443, Apr. 11.
Knapp, William G., assignor to C. P. Peirce, Evanston, Ill. Drive mechanism for wire recorders. 2,528,061, Oct. 31.
Knauer, Berthold: *See*—
Rouan, Francis J., and Knauer.
Knaus, Rudolph A., Euclid, Ohio. Self-locking stand. 2,524,450, Oct. 3.
Knauss, Edward, assignor, by mesne assignments, to Industrial Management Corporation, Los Angeles, Calif. Compound master cylinder. 2,508,403, May 23.
Knauth, Berthold A.: *See*—
Chin, Pao Hsiung, and Knauth.
Knauth, Berthold A., Bolton, assignor to Flowmeter Corporation of America, High Falls, N. Y. Apparatus for stroboscopically indicating the flow of fluids. 2,525,914, Oct. 17.
Knauth, Berthold A., Bolton, N. Y., and P. H. Chin, Cranford, N. J., assignors to The Motorspeed Corporation, New York, N. Y. Motor control system employing thyratron tubes. 2,512,946, June 27.
Knauth, Berthold A., Bolton, N. Y., and P. H. Chin, Cranford, N. J., assignors to The Motorspeed Corporation, New York, N. Y. Control system for thyratrons. 2,522,520, Sept. 19.
Knee, Simon, Newark, N. J. Wallet with auxiliary foldable pockets. 2,493,409, Jan. 3.
Knee, Simon, Newark, N. J. Apparel belt with secret pocket. 2,503,157, Apr. 4.
Kneece, Jack M., New Orleans, La. Fishing lure. 2,517,495, Aug. 1.
Kneeland, Verne L., Manchester, N. H. Shoemaking. 2,499,510, Mar. 7.
Kneeland, Verne L., Manchester, N. H. Making shoes with molded counter portions. 2,521,981, Sept. 12.
Knepper, Ralph J.: *See*—
Whitmire, Homer E., and Knepper.
Knerr, Horace C., assignee: *See*—
Magnin, Jacques.
Kneubuehl, Herman J., Sterling, Ohio. Ventilation controlling device for chick boxes. 2,531,057, Nov. 21.
Knezo, John, Jr., Garwood, assignor to Breeze Corporations, Inc., Newark, N. J. Engine starter. 2,533,379, Dec. 12.
Knickerbocker Rubber Company, not Inc., assignee: *See*—
Holden, Orloff W.
Kniel, Ludwig, Scarsdale, assignor to The Lummus Company, New York, N. Y. Fractional distillation. 2,534,274, Dec. 19.
Knitten, Roy S., Duluth, J. P. Farnam, Minneapolis, and W. F. Woolery, St. Paul, assignors to Woolery Machine Company, Minneapolis, Minn. Ballast removing machine. 2,527,637, Oct. 31.
Knight, Arthur P.: *See*—
Kennedy, James M., Knight, and Lee.
Knight, Carl W., Tampa, Fla. Binocular viewer. 2,503,342, Apr. 11.
Knight, Cosler D., Chicago, Ill., assignor to Zenith Radio Corporation. Tone control circuit. 2,506,365, May 2.
Knight, Floyd C., and E. C. Cornell, Jr., assignors to The Auto Arc-Weld Manufacturing Company, Cleveland, Ohio. Control apparatus for automatic welding heads. 2,516,777, July 25.
Knight, Frank W., Somerville, Mass. Shoe polishing kit. 2,529,163, Nov. 7.
Knight, George C., Company, assignee: *See*—
Koonter, Carlton G.
Knight, George D., Wilmington, Del., and B. W. Rowland, assignors to The Institute of Paper Chemistry, Appleton, Wis. Porous web treating apparatus. 2,521,666, Sept. 5.
Knight, George H. F., Basingstoke, England. Power-driven agricultural and like implements. 2,529,614, Nov. 14.
Knight, Herbert E., Falmouth, Maine. Jar cover lifter. 2,518,555, Aug. 15.
Knight, Joseph E., New Hyde Park, N. Y., assignor to Esso Export Corporation. Airport fueling system. 2,525,074, Oct. 10.
Knight, Lloyd K., Westerville, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company. Garbage grinder and feeder. 2,505,674, Apr. 25.
Knight, Philip L., assignor to Surface Combustion Corporation, Toledo, Ohio. Combination oil and gas burner. 2,518,025, Aug. 8.
Knights, James, Company, The, assignee: *See*—
Knights, James R.
Kuehl, Clifford O.
Sylvester, Frederick F.
Knights, James R., assignor to The James Knights Company, Sandwich, Ill. Finishing crystals. 2,505,121, Apr. 25.
Knipe, Wilbur F., Lubbock, Tex. Gas blowtorch. 2,529,164, Nov. 7.
Knipp, Arthur R., Napoleon, Ohio. Tailor's measuring device. 2,501,948, Mar. 28.
Knisely, Charles W.: *See*—
Kapp, Robert P., and Knisely.
Knittel, Emil E., Malverne, N. Y. Rotary card filing device. 2,517,678, Aug. 8.
Knitter, Elmer T., Redwood City, Calif. Printing machine. 2,505,900, May 2.
Kniveton, James, Wyncote, assignor to Selas Corporation of America, Philadelphia, Pa. Control system for heating apparatus having a number of heating zones for heating work. 2,518,905, Aug. 15.
Kniveton, James, Wyncote, assignor to Selas Corporation of America, Philadelphia, Pa. Heating liquids in vessels. 2,527,430, Oct. 24.
Knobel, Max, Willoughby, near Sydney, assignor to Alluvial Mining Equipment Limited, Sydney, New South Wales, Australia. Dredge bucket. 2,523,958, Sept. 26.
Knoblauch, Francis J., Tracy, Minn. Wagon hitch for combines. 2,524,669, Oct. 3.
Knobloch, Arthur S., Pittsburgh, Pa. Drafting instrument. 2,519,768, Aug. 22.
Knochel, William J.: *See*—
Aakjer, Jens J., and Knochel.
Knochel, William J., East Orange, and C. Wiener, Bloomfield, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Apparatus for making stems for electrical devices. 2,530,168, Nov. 14.
Knochel, William J., East Orange, and C. Wiener, Bloomfield, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Manufacture of lamp stems. 2,535,582, Dec. 26.
Knocke, Louis T., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Closure for receptacles. 2,522,792, Sept. 19.
Knoedler Manufacturers, Inc., assignee: *See*—
Knoedler, Roy E.
Knoedler, Roy E., Macomb, assignor to Knoedler Manufacturers, Inc., Streator, Ill. Tractor seat support. 2,531,572, Nov. 28.
Knol, Kornelis S.: *See*—
Alma, Gerrit H. P., Knol, Kuiper, Prakke, Strutt, and van der Ziel.
Diemer, Gesinus, and Knol.
Strutt, Maximiliaan J. O., van der Ziel, and Knol.
Van Hofweegen, Johannes M., and Knol.

Knol, Kornelis S., M. J. O. Strutt, A. van der Ziel, and A. van Weel, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Superheterodyne receiver for very short waves. 2,505,251, Apr. 25.

Knol, Kornelis S., and A. van der Ziel, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electric discharge device for the amplification of short waves. 2,531,277, Nov. 21.

Knol, Kornelis S., M. J. O. Strutt, and A. van der Ziel, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Circuit arrangement for amplifying ultra high frequency electrical oscillations. 2,533,020, Dec. 5.

Knoll, Alexander F., Westfield, assignor to Metals Disintegrating Company, Inc., Elizabeth, N. J. Aluminum paste pigment. 2,525,301, Oct. 10.

Knopp Air Coupling Co., assignee: *See*—
Knopp, William.

Knopp, Otto A., Oakland, Calif. Instrument structure for portable testing voltmeters. 2,501,725, Mar. 28.

Knopp, William, Mount Shasta, Calif., assignor of one-half to Knopp Air Coupling Co. Automatic safety air valve coupling. 2,535,740, Dec. 26.

Knopp, William A., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Servomotor circuit. 2,532,723, Dec. 5.

Knorr, Gottlieb F., assignee: *See*—
Hansen, Bruno.

Knorr, Irvin B., Colorado Springs, Colo. Leaf for fishing fly books. 2,504,266, Apr. 18.

Knös, Gunnar B., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Cross-rod switch for automatic telephone systems. 2,517,679, Aug. 8.

Knothe, Rudolf: *See*—
Mertl, Glen F., and Knothe.

Knott, Clyde L.: *See*—
Topham, Laurence E., and Knott.

Knott, Clyde L., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Sewing machine. 2,498,041, Feb. 21.

Knott, Clyde L., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Fastening inserting machine. 2,510,234, June 6.

Knott, Edward B., Harrow, England, assignor to Eastman Kodak Company, Rochester, N. Y. Preparing cyclammonium quaternary salts containing a n-substituted b-aminovinyl group. 2,500,127, Mar. 7.

Knott, Edward B., Harrow Wealdstone, England, assignor to Eastman Kodak Company, Rochester, N. Y. Methine dyes containing a pyrimidazolone group. 2,514,649, July 11.

Knott, Edward B., Harrow Wealdstone, England, assignor to Eastman Kodak Company, Rochester, N. Y. Arylaminomethine compounds. 2,515,878, July 18.

Knott, Edward B., Wealdstone, England, assignor to Eastman Kodak Company, Rochester, N. Y. Preparing cyanine dye intermediates. 2,500,128, Mar. 7.

Knott, Edward B., and J. Morgan, Wealdstone, England, assignors to Eastman Kodak Company, Rochester, N. Y. Photographic developing with addition products to improve image quality. 2,514,650, July 11.

Knowland, Thomas M., Belmont, assignor to Boston Woven Hose and Rubber Company, Cambridge, Mass. Making conveyer belting. 2,515,778, July 18.

Knowland, Thomas M., Belmont, and D. R. Currier, Lexington, assignors to Boston Woven Hose and Rubber Company, Cambridge, Mass. Card apron. 2,522,277, Sept. 12.

Knowler, David, Montreal, Quebec, Canada. Cutting device. 2,523,767, Sept. 26.

Knowler, Henry and P. H., Ryde, Isle-of-Wight, assignors to Saunders-Roe Limited, Osborne, East Cowes, Isle-of-Wight, England. Flying control for aircraft. 2,508,883, May 23.

Knowler, Henry, Ryde, and F. H. Robertson, Carisbrooke, assignors to Saunders-Roe Limited, East Cowes, Isle-of-Wight, England. Flying control for aircraft. 2,517,680, Aug. 8.

Knowler, Peter H.: *See*—
Knowler, Henry and P. H.

Knowles, Alfred D.: *See*—
Taylor, Maurice K., and Knowles.

Knowles, Alma, assignee: *See*—
Bowker, Walter.

Knowles, Dewey D., Verona, N. J., and C. E. Haller, Lititz, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Capacitor charge and discharge circuit for stroboscopes. 2,516,326, July 25.

Knowles, Edward R., assignor to Improved Paper Machinery Corporation, Nashua, N. H. Injection molding press. 2,519,255, Aug. 15.

Knowles, Edwin C.: *See*—
Kluge, Herman D., and Knowles.

Knowles, Edwin C., and G. W. Eckert, Glenham, and O. P. Puryear, Fishkill, assignors to The Texas Company, New York, N. Y. Alkenyl succinic acid grease. 2,528,373, Oct. 31.

Knowles, F. H., assignee: *See*—
Hall, Clyde W.

Knowles, Hugh S., River Forest, Ill., assignor to Zenith Radio Corporation. Hearing aid casing and guard. 2,505,551, Apr. 25.

Knowles, Russell B., Windsor, N. C. Peanut digger. 2,524,109, Oct. 3.

Knowles, Silas A., Denver, Colo. Bit for rock drilling. 2,522,045, Sept. 12.

Knowles, Talbot R., Los Angeles, assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif. Rivet feeding device. 2,529,165, Nov. 7.

Knowlton, Charles O., Bronxville, N. Y., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Work unloading guide for washing machines. 2,508,268, May 16.

Knowlton, David H., Rockport, Mass., assignor to Sylvania Electric Products Inc. Interlock switch. 2,499,958, Mar. 7.

Knowlton, Fred, Oxford, Kans. Seed gathering and stripping attachment for harvesters. 2,526,141, Oct. 17.

Knowlton, James W., Worcester, Mass., and G. H. Fetterley, Chippawa, Ontario, Canada, assignors to Norton Company, Worcester, Mass. Mold for furnaces. 2,522,046, Sept. 12.

Knowlton, Norwood H., Rockport, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for abrading shoe parts. 2,494,710, Jan. 17.

Knox, Charles E., Jr., Enid, Okla. Pipe coupling. 2,496,167, Jan. 31.

Knox, Donald G., Long Beach, and J. G. Abraham, Laguna Beach, Calif., assignors to The National Supply Company, Pittsburgh, Pa. Control for plunger lifts. 2,508,174, May 16.

Knox, Granville S., assignor to Hydril Corporation, Los Angeles, Calif. Valve for drill stems and the like. 2,518,795, Aug. 15.

Knox, Granville S., assignor to Hydril Corporation, Los Angeles, Calif. Regulator valve. 2,524,264, Oct. 3.

Knox, Harry A.: *See*—
Strickland, Raymond I., and Knox.

Knox, Howard C., Denver, Colo. Paperhanger's paste bucket with bail that forms brush rest. 2,519,666, Aug. 22.

Knox, Lawrence H., New York, N. Y., assignor to Nopco Chemical Company, Harrison, N. J. Production of arecoline. 2,506,458, May 2.

Knox, Robert N., Erlton, N. J., assignor to Radio Corporation of America. Radio chassis of the plug-in type. 2,514,246, July 4.

Knox, Thomas, Newtown, Pa., assignor, by mesne assignments, to Kaiser Metal Products, Inc. Flap and dive brake operating mechanism. 2,501,726, Mar. 28.

Knox, Willard D., Tracy, assignor of one-third to J. J. Ravers, Jr., Amiret, and one-third to H. K. Nyberg, Tracy, Minn. Tractor hitch coupler. 2,522,951, Sept. 19.

Knox, William, Jersey City, N. J. Sectional boiler with superheater. 2,516,057, July 18.

Knoy, Marion F., Lexington, Mass., and C. P. Johnson, assignors to Institute of Gas Technology, Chicago, Ill. Igniting device for gasoline lanterns. 2,515,518, July 18.

Knoy, Maurice G.: *See*—
Jones, Paul W., and Knoy.

Knudsen, Knud J., Naugatuck, Conn. Electrical meter. Re. 23,236, May 30.

Knudsen, Knud J., assignor to The Lewis Engineering Company, Naugatuck, Conn. Multiple temperature indicator and over-temperature alarm. 2,504,931, Apr. 18.

Knudsen, Knud J., assignor to The Lewis Engineering Company, Naugatuck, Conn. Electrical relay. 2,508,862, May 23.

Knudsen, Percy E., Pittsburgh, Pa., and E. H. Heaton, Ferndale, Mich., assignors to Pittsburgh Plate Glass Company, Allegheny County, Pa. Container for pigmented liquids. 2,498,125, Feb. 21.

Knudson, Giltner J., Guilford, assignor to Bendix Aviation Corporation, New York, N. Y. Electrical apparatus. 2,515,234, July 18.

Knuth, Carl, Milwaukee, assignor to Klekhaefer Corporation, Cedarburg, Wis. Pump. 2,536,005, Dec. 26.

Knuth, Harvey G., Elgin, assignor to Lyon Metal Products, Incorporated, Aurora, Ill. Attachment for sinks. 2,503,203, Apr. 4.

Knuth, Harvey G., Elgin, assignor to Lyon Metal Products, Incorporated, Aurora, Ill. Cabinet construction for sinks. 2,514,001, July 4.

Knutsen, Knut A., assignor to Compagnie des Machines Bull (Societe Anonyme), Paris, France. Recording and controlling card. 2,508,953, May 23.

Knutsen, Knut A., Paris, France. Keyboard for electrically controlled accounting or card punching machines. 2,523,768, Sept. 26.

Kobe, Inc., assignee: *See*—
Coberly, Clarence J.
Ihrig, Harold K., and Layman.
Mestas, Ricardo.

Kober, Saul, New York, N. Y. Beach umbrella. 2,533,322, Dec. 12

Kober, William, Spring Lake, N. J., by decree of Court to the United States of America as represented by the Secretary of the Army. Voltage compensator. 2,526,671, Oct. 24.

Koberlein, Louis F., assignor to Interchemical Corporation, New York, N. Y. Dyeing plastic articles with an aqueous dispersion of dye dissolved in a plasticizer. 2,524,811, Oct. 10.
Koblitz, Harry R., assignee: *See*—
Williams, Howard N.
Koca, James F., assignor to Woodstock Typewriter Company, Woodstock, Ill. Case shift mechanism for typewriting machines. 2,501,605, Mar. 21.
Koca, James F., Woodstock, Ill., assignor to R. C. Allen Business Machines, Inc., Grand Rapids, Mich. Silent key mechanism for typewriting machines. 2,515,779, July 18.
Koca, James F., Woodstock, Ill., assignor to R. C. Allen Business Machines, Inc., Grand Rapids, Mich. Typewriter tabulator stop mechanism. 2,535,358, Dec. 26.
Kocarek, Franklin H., assignor to Peerless Tool & Engineering Company, Chicago, Ill. Fishing plug retriever. 2,526,031, Oct. 17.
Koch, Arthur A., Dexter, Iowa. Mower. 2,502,730, Apr. 4.
Koch, Arthur R., Schenectady, N. Y., assignor to General Electric Company. Cavity resonator system. 2,510,639, June 6.
Koch, Aurelia R., West Hollywood, Calif. Skirt marker. 2,535,074, Dec. 26.
Koch, Clarence W., St. Louis, Mo. Drawer guide. 2,508,269, May 16.
Koch, Edward G., Baldwin, N. Y. Display device. 2,496,221, Jan. 31.
Koch, Ernest E., Forest Hills, N. Y. Combined billfold and change purse. 2,520,465, Aug. 29.
Koch, George J., assignor to Eastman Kodak Company, Rochester, N. Y. Cemented transparency. 2,533,474, Dec. 12.
Koch, Gustav H., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Air translating apparatus. 2,512,159, June 20.
Koch, Gustav H., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Air translating apparatus support. 2,521,920, Sept. 12.
Koch, H. Raymond, assignee: *See*—
Cooper, James J.
Koch, Harold B., Lititz, Pa. Apparatus for forming shoes of the prewelted type. 2,518,336, Aug. 8.
Koch, Harry O., Wichita, Kans. Line snatch link. 2,517,886, Aug. 8.
Koch, Henry J., Belleville, assignor to National Union Radio Corporation, Orange, N. J. Electronic time division channel scanning system. 2,521,229, Sept. 5.
Koch, Jacob, assignor to Ciba Limited, Basel, Switzerland. Vat dyestuffs. 2,518,150, Aug. 8.
Koch, John B., assignor to American Blower Corporation, Detroit, Mich. Motor support. 2,498,126, Feb. 21.
Koch, Lawrence J.: *See*—
Galvin, Frederick W., and Koch.
Koch, Leonard J.: *See*—
Frazier, John W., and Koch.
Koch, Louis, assignor to H. Kohnstamm & Co. Inc., New York, N. Y. Gelatinous composition of matter and preparing same. 2,535,538, Dec. 26.
Koch, Maurice P., San Francisco, Calif. Wardrobe suitcase having pivotal frame for mounting garment-hanger supporting-bars. 2,526,142, Oct. 17.
Koch, Roderic M., Evansville, Ind. Folding floral basket. 2,509,566, May 30.
Koch, Stanley J., Clifton, assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Sealing contact terminals to electron tubes. 2,511,164, June 13.
Koch, Stanley J., Clifton, and R. E. Rutherford, Nutley, assignors to Allen B. Du Mont Laboratories, Inc., Passiac, N. J. Shielded ultra high frequency cathode-ray tube. 2,531,278, Nov. 21.
Koch, William: *See*—
Ivett, Reginald W., and Koch.
Koch, William, assignor to Hercules Powder Company, Wilmington, Del. Stabilized thermoplastic cellulose ether composition. 2,535,363, Dec. 26.
Koch, William, and A. L. Rummelsburg, assignors to Hercules Powder Company, Wilmington, Del. Stabilized thermoplastic cellulose ether and making it. 2,535,359, Dec. 26.
Koch, William, Wilmington, Del., and G. H. Pyle, Hopewell, Va., assignors to Hercules Powder Company, Wilmington, Del. Stabilized thermoplastic cellulose ether composition. 2,535,360, Dec. 26.
Koch, William, Wilmington, Del., and G. H. Pyle, Hopewell, Va., assignors to Hercules Powder Company, Wilmington, Del. Stabilized thermoplastic cellulose ether composition. 2,535,361, Dec. 26.
Koch, William, Wilmington, Del., and G. H. Pyle, Hopewell, Va., assignors to Hercules Powder Company, Wilmington, Del. Stabilized thermoplastic cellulose ether composition. 2,535,362, Dec. 26.
Koch, William W., assignor to Hercules Powder Company, Wilmington, Del. Ethyl cellulose-coated textile fabric. 2,507,107, May 9.
Koch, Winfield R., Haddonfield, N. J., assignor to Radio Corporation of America. Facsimile receiving system. 2,505,361, Apr. 25.
Koch, Winfield R., Haddonfield, N. J., assignor to Radio Corporation of America. Overmodulation communication system. 2,509,066, May 23.
Koch, Winfield R., Haddonfield, N. J., assignor to Radio Corporation of America. Stabilized high-frequency amplifier. 2,510,640, June 6.
Koch, Winfield R., Haddonfield, N. J., assignor to Radio Corporation of America. Frequency modulation receiver. 2,513,727, July 4.
Koch, Winfield R., Haddonfield, N. J., assignor to Radio Corporation of America. Frequency modulation receiver tuning aid. 2,525,359, Oct. 10.
Koch, Winfield R., Haddonfield, N. J., assignor to Radio Corporation of America. Synchronizing system. 2,531,691, Nov. 28.
Koch, Winfield R., Marlton, N. J., assignor to Radio Corporation of America. Intercommunication system. 2,501,820, Mar. 28.
Kochenburger, Ralph J., Montclair, N. J., assignor to Curtiss-Wright Corporation. Control system. 2,529,085, Nov. 7.
Kocher, Hermann, Zurich, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland. Direct-current generator. 2,516,220, July 25.
Kochis, Andrew C.: *See*—
Bjork, Carold F., and Kochis.
Kochman, Herman S., Brooklyn, N. Y. Glove. 2,493,977, Jan. 10.
Kochner, William B., assignor, by mesne assignments, to Knapp-Monarch Company, St. Louis, Mo. Siphon valve structure. 2,506,837, May 9.
Kochner, William B., St. Louis, Mo., and L. T. Ward, East Orange, N. J., assignors, by mesne assignments, to Knapp-Monarch Company, St. Louis, Mo. Life belt projectile. 2,496,479, Feb. 7.
Koci, Jerry C., Chicago, Ill., assignor to Chicago Coin Machine Co. Pivotal ball return means for pin games. 2,520,283, Aug. 29.
Koci, Jerry C., Riverside, assignor, by mesne assignments, to Chicago Coin Machine Co., Chicago, Ill. Amusement apparatus. 2,513,728, July 4.
Koci, Jerry C., Riverside, assignor, by mesne assignments, to Chicago Coin Machine Co., Chicago, Ill. Multiple switch. 2,532,627, Dec. 5.
Koci, Jerry C., Riverside, assignor to Chicago Coin Machine Co., Chicago, Ill. Game apparatus. 2,532,628, Dec. 5.
Koci, Ludvik J., Riverside, assignor to Sunbeam Corporation, Chicago, Ill. Combination starting and overload protective relay. 2,506,272, May 2.
Kock, Winston E., Basking Ridge, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Thermal transistor microphone. 2,522,521, Sept. 19.
Kock, Winston E., Middletown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Directional antenna system. 2,521,524, Sept. 5.
Kock, Winston E., Middletown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Antenna driving mechanism. 2,522,125, Sept. 12.
Kock, Winston E., Middletown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Radio relay system. 2,530,826, Nov. 21.
Kocks Snickerifabriker A.-B., assignee: *See*—
Ohlsson, Folke E. H.
Kocmich, Donald O., La Grange, Ill. Variable electrical resistance device. 2,518,906, Aug. 15.
Kocsuta, Michael: *See*—
Rinehart, Carl D., and Kocsuta.
Kodadek, George R., and J. M., Minneapolis, Minn. Food crisper. 2,521,855, Sept. 12.
Kodadek, Joseph M.: *See*—
Kodadek, George R., and Joseph M.
Kodama, George T.: *See*—
Ehlers, George M., and Kodama.
Koebel Diamond Tool Co., assignee: *See*—
Bullock, Ian H.
Ross, Frederick N.
Koeber, Henry J., Jr., Chicago, Ill., assignor to Illinois Watch Case Co. Adjustable supporting and focusing mount for sound projector lens. 2,498,555, Feb. 21.
Koeber, Henry J., Jr., Chicago, Ill., assignor to Illinois Watch Case Co. Film projection apparatus with pivotally controlled claw feed. 2,520,843, Aug. 29.
Koeber, Theodore H., Oak Park, Ill., assignor to International Harvester Company. Refrigerator cabinet. 2,504,267, Apr. 18.
Koeberle, George G.: *See*—
Peterson, William B., Jr., and Koeberle.
Koeckritz, Fred, Corpus Christi, Tex. No-sway trailer hitch. 2,522,793, Sept. 19.
Koehl, Herman, and H. A. Prym, Woodstock, assignors to Prym Engineering Company, Killingly, Conn. Covered buttons, buckles, and the like. 2,513,182, June 27.
Koehl, James A.: *See*—
Larsen, Merwin J., and Koehl.
Koehler, Glenn: *See*—
Harnischfeger, Walter, and Koehler.
Koehlinger, Anna S., executrix: *See*—
Small, Thomas W.
Koehring Company, assignee: *See*—
Heine, Ferdinand H.
Lichtenberg, Erich H.
Robb, John F.
Koelin, Carl C., St. Louis County, Mo. Retrieving ring for removable drilling bits. 2,506,795, May 9.
Koella, Ernest, Rockford, Tenn. Twister spindle. 2,511,638, June 13.

Koella, Ernest, Rockford, Tenn. Twister spindle. 2,511,639, June 13.
Koelliker, George P., assignee: *See*—
Lasseter, Hubert P.
Koeln, Carl C., St. Louis, Mo. Drill. 2,524,707, Oct. 3.
Koeln, Carl C., St. Louis County, Mo. Drain for vehicle ventilating windows. 2,493,674, Jan. 3.
Koelsch, Charles F., St. Paul, Minn., assignor to Smith, Kline & French Laboratories, Philadelphia, Pa. Coumaran derivatives and preparing same. 2,507,473, May 9.
Koenig, Arthur C., Cuyahoga Falls, assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Roll grooving apparatus. 2,495,107, Jan. 17.
Koenig, Bernard R.: *See*—
Faris, Harold P., and Koenig.
Koenig, Ernest H., assignor to Freyn Engineering Company, Chicago, Ill. Checker assembly for stove construction. 2,493,458, Jan. 3.
Koenig, Walter, Jr., Clifton, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Motor control circuit. 2,519,667, Aug. 22.
Koenig, William W.: *See*—
Burtt, Horatio H., Koenig, and Soderstrom.
Burtt, Horatio H., Soderstrom, and Koenig.
Koenigkramer, F. & F., Co., assignee: *See*—
Koenigkramer, Frederick and Frank.
Koenigkramer, Frank: *See*—
Koenigkramer, Frederick and Frank.
Koenigkramer, Frederick and Frank, assignors to F. & F. Koenigkramer Co., Cincinnati, Ohio. Carriage having universal horizontal shifting platform. 2,512,160, June 20.
Koepfli, Joseph B.: *See*—
Lutz, Robert E., Koepfli, and Buchman.
Koepfli, Joseph B., San Marino, J. F. Mead, and J. A. Brockman, Jr., Pasadena, Calif., assignors to United States of America as represented by the Secretary of the Army. Obtaining febrifugine alkaloids. 2,504,847, Apr. 18.
Koeppel, Beverly W.: *See*—
Hawkins, James E., and Koeppel.
Koeppel, Charles H., North Woodbury, assignor to Scovill Manufacturing Company, Waterbury, Conn. Container and closure means therefor. 2,500,363, Mar. 14.
Koerber, Charles F., Clay Township, St. Joseph County, Ind. Bottle carrier. 2,513,495, July 4.
Koerber. Walter L.: *See*—
Donovick, Richard, Koerber, and Rake.
Koerner, Ernest C.: *See*—
Haigh, Frederick R., Koerner, and Ehrhardt.
Koerner, Ernest C., Wood Ridge, N. J. Recovery of protein from keratinous materials. 2,535,684, Dec. 26.
Koerper, Phillip R., Culver City, Calif. Adjustable center reflex table. 2,517,681, Aug. 8.
Koertge, Nobel H., Glen Ellyn, and E. L. Rucks, Aurora, assignors to Furnas Electric Company, Batavia, Ill. Cam type limit switch assemblage. 2,522,278, Sept. 12.
Koerver, Carl F., Brooklyn, assignor to The Borden Company, New York, N. Y. Ice cream. 2,500,315, Mar. 14.
Koesten, Herman, New York, N. Y. Mechanical igniter. 2,531,056, Nov. 21.
Koester, Earl L.: *See*—
Wright, Glenn H., and Koester.
Koester, Frederick A., Los Angeles, Calif. Coupling. 2,503,495, Apr. 11.
Koester, Frederick A., Los Angeles, Calif. Axially shifting type screw actuated tire removing device. 2,512,864, June 27.
Koester, George S.: *See*—
Stark, Monroe R., and Koester.
Koett, Albert C., assignor to The Kett Tool Company, Cincinnati, Ohio. Power-driven rotary hand guided cutting tool. 2,502,656, Apr. 4.
Koetz, Theodore E., Rochester, N. Y. Cigarette lighter. 2,512,104 June 20.
Koffler, Maximilian, Tel Aviv, Palestine. Machine for the recovery of essential oil contained in the peel of citrus fruit. 2,527,364, Oct. 24.
Koffyberg, Diederik, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Superheterodyne receiver for unmodulated telegraphic signals. 2,509,977, May 30.
Koffy-Pak Corp., assignee: *See*—
Abrahams, Leon H.
Kofke, Harry C.: *See*—
Klagges, Henry C., and Kofke.
Koft, Emil, Jr.: *See*—
Hartough, Howard D., and Koft.
Kögel, Wilhelm G., assignor to Aktiebolaget Elektrolux, Stockholm, Sweden. Absorption refrigeration. 2,501,606, Mar. 21.
Kögel, Wilhelm G., Stockholm, Sweden. Portable radiator. 2,510,235, June 6.
Kögel, Wilhelm G., assignor to Aktiebolaget Elektrolux, Stockholm, Sweden. Absorption refrigeration. 2,535,075, Dec. 26.
Koger, Glenn: *See*—
Gilmore, Arville W., and Koger.
Koger, William C., London, Ohio. Hog catcher and holder. 2,499,511, Mar. 7.
Koh-I-Noor L. & C. Hardtmuth, National Corporation, assignee: *See*—
Votruba, Vojtěch.
Koh-I-Noor Pencil Factory L. & C. Hardtmuth, assignee: *See*—
Votruba, Vojtech.
Kohl, Arthur L., assignor to Turco Products, Inc., Los Angeles, Calif. Solution concentration indicator. 2,528,889, Nov. 7.
Kohl, Charles F., Jr., Pittsburgh, Pa., assignor to Corning Glass Works, Corning, N. Y. Bromination of trifluoromethyl derivatives of benzene. 2,494,817, Jan. 17.
Kohl, Charles F., Jr., Pittsburgh, Pa., assignor to Dow Corning Corporation, Midland, Mich. Halogenohydrocarbon derivatives of silanes. 2,530,202, Nov. 14.
Kohl, Everard F., Cleveland, Ohio. Centrifugal fluid governor. 2,518,478, Aug. 15.
Kohl, John A., Buckley, Wash. Name plate for mailboxes. 2,509,930, May 30.
Kohl Walter H., assignors to Collins Radio Company, Cedar Rapids, Iowa. Vacuum gauge of the ionization producing type. 2,516,704, July 25.
Kohl, William R., Glenview, and A. L. Iverson, assignors to Para-Lux Products Company, Chicago, Ill. Shirt collar support. 2,519,380, Aug. 22.
Kohl, William R., Glenview, and A. L. Iverson, assignors to Para-Lux Products Company, Chicago, Ill. Window device for garment bags. 2,527,313, Oct. 24.
Kohl, William R., Glenview, and A. L. Iverson, assignors to Para-Lux Products Company, Chicago, Ill. Garment hanger shield. 2,535,685, Dec. 26.
Kohle, Albert G., Burlingame, and T. A. Greenley, San Bruno, Calif. Ribbing blocking machine. 2,531,852, Nov. 28.
Kohler, Hans W., Washington, D. C. Electrical apparatus. 2,512,655, June 27.
Kohler, Johan C. E., Buffalo, N. Y. Harness for draft animals. 2,500,187, Mar. 14.
Kohler, John H., assignor to United-Carr Fastener Corporation, Cambridge, Mass. Slide fastener. 2,497,821, Feb. 14.
Kohler, Paul, assignor to Tousjeux et Nouveautés S. A., Geneva, Switzerland. Simulated hockey game. 2,507,258, May 9.
Kohler, Peter J., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for making resistance measurements. 2,527,138, Oct 24.
Kohnstamm, H., & Co. Inc., assignee: *See*—
Koch, Louis.
Kohn, Moritz: *See*—
Gunther, Roland E., Kohn, and Stone.
Kohorn, Leo, Lima, Peru, assignor to Oscar Kohorn & Co., Ltd., New York, N. Y. Steeping press. 2,507,720, May 16.
Kohorn, Oscar, & Co., Ltd., assignee: *See*—
Costa, Joseph L.
Kohorn, Leo.
Politzer. Alfred.
Kohut, John, Boonton, N. J. Air conditioning system. 2,498,427, Feb. 21.
Kolansky, Nathan R.: *See*—
Poole, Sam, and Kolansky.
Kolar, Frank J., Jr., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Humidity test cabinet. 2,521,921, Sept. 12.
Kolar, John, Jersey City, N. J. Axial operated flush tank valve. 2,528,441, Oct. 31.
Kolb, George D., Baltimore, Md. Saltcellar. 2,495,899, Jan. 31.
Kolb, Otto K., and A. C. G. Petersen, assignors to British Acoustic Films Limited, London, England. Process of and apparatus for locating sound signals on magnetic type sound record carriers. 2,512,432, June 20.
Kolb, Otto K., Chiswick, London, and E. O. Smith, Chelmsford, assignors to British Acoustic Films Limited, London, England. Shielding arrangement for magnetic sound apparatus. 2,518,556, Aug. 15.
Kolb, Werner: *See*—
Hefti, Hans R., and Kolb.
Kolber, Joseph, Chicago, Ill. Radio tube package. 2,498,042, Feb. 21.
Kolchinsky, Ushir, Atlantic City, N. J. Window washer. 2,497,674, Feb. 14.
Kolene Corporation, assignee: *See*—
Webster, Hugh G., and Shoemaker.
Kolessar, Andrew G., Linden, assignor to Elastic Stop Nut Corporation of America, Union, N. J. Self-locking nail. 2,521,378, Sept. 5.
Kolfenbach, John J.: *See*—
Morway, Arnold J., and Kolfenbach.
Kolisch, Emil, New York, assignor to Continental Silver Co., Inc., Brooklyn, N. Y. Automatic temperature control electric circuit. 2,526,566, Oct. 17.
Kolish, Peter J., Hayward, Calif. Automobile signal system. 2,515,717, July 18.
Kolka, Alfred J., Birmingham, and W. B. Ligett, Berkley, Mich., assignors to Ethyl Corporation, New York, N. Y. Chlorofluoronitro aromatic compounds. 2,519,317, Aug. 15.
Koller, Fredrick W., Green Village, N. J., and E. Ley, Jamaica, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave guide coupling. 2,522,279, Sept. 12.
Koller, Peter B., Jr., Buffalo, N. Y. Picture frame. 2,494,097, Jan. 10.

Kollman, Jack, assignor to Ekco Products Company, Chicago, Ill. Bake pan cover. 2,517,682, Aug. 8.
Kollmann, Karl J., Erie, Pa. Coupling. 2,521,172, Sept. 5.
Kollmorgen, Ernst O., Mountain Lakes, N. J., assignor to Kollmorgen Optical Corporation, Brooklyn, N. Y. Hydraulic periscope elevating system. 2,503,748, Apr. 11.
Kollmorgen, Ernst O., Mountain Lakes, N. J., assignor to Kollmorgen Optical Corporation, Brooklyn, N. Y. Periscope mount. 2,522,280, Sept. 12.
Kollmorgen Optical Corporation, assignee: *See*—
Kollmorgen, Ernst O.
Rawlings, John L.
Kollsman, Paul, New York, N. Y. Rotating combustion products generator with turbulent fuel injection zone. 2,514,874, July 11.
Kollsman, Paul, New York, N. Y. U-passage gas turbine with turbulent heat transfer zone. 2,514,875, July 11.
Kollsman, Paul, New York, N. Y. Machine for producing heat energy. 2,520,729, Aug. 29.
Kollsman, Paul, New York, N. Y. Wing-mounted jet reaction engine for aircraft. 2,523,378, Sept. 26.
Kollsman, Paul, New York, N. Y. Combustion products generator with combustion type precompressor. 2,523,379, Sept. 26.
Kollsman, Paul, New York, N. Y. Apparatus for controlling the flow of fluids. 2,526,672, Oct. 24.
Kollsman, Paul, New York, N. Y. Carburetor. 2,526,673, Oct. 24.
Kollsman, Paul, New York, N. Y. Defrosting system for refrigerators. 2,534,031, Dec. 12.
Kollsman, Paul, New York, N. Y. Refrigerator defrosting system. 2,534,032, Dec. 12.
Kolmodin, Chester N.: *See*—
Camp, Thomas P., and Kolmodin.
Kolodnicki, Walter, New London, Conn. Leather-cutting tool. 2,518,991, Aug. 15.
Kolodny, Samuel, Rutherford, and N. Micci, Carlstadt, assignors to East Rutherford Syringes, Inc., East Rutherford, N. J. Glass syringe having lettering embedded flush therein. 2,505,411, Apr. 25.
Kolody, John: *See*—
Miller, Alfred J., and Kolody.
Kolodziej, Michael F.: *See*—
Darden, Robert R., Jr., and Kolodziej.
Kolper, Charles J., and F. Drega, assignors to Gibbs & Company, Incorporated, Baltimore, Md. Can drying machine. 2,504,932, Apr. 18.
Kolstad Company, assignee: *See*—
Chapman, Harvey A., and Livingston.
Kolster, Frederick A., deceased, Washington, D. C.; M. Kolster, administratrix of said F. A. Kolster. Double superheterodyne radio receiver. 2,534,606, Dec. 19.
Kolvoort, Egbert C. H., and G. Akkerman, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif. Continuous process for emulsion polymerization of unsaturated compounds. 2,496,222, Jan. 31.
Kolster, Muriel, administratrix: *See*—
Kolster, Frederick A.
Komar, George M., New York, N. Y. Drum gauge. 2,509,236, May 30.
Komline-Sanderson Engineering Corporation, assignee: *See*—
Komline, Thomas R.
Komline, Thomas R.: *See*—
Miller, Durando, and Komline.
Komline, Thomas R., assignor to Komline-Sanderson Engineering Corporation, Glen Rock, N. J. Spray drier. 2,506,646, May 9.
Komline, Thomas R., Glen Rock, assignor to Komline-Sanderson Engineering Corporation, Ridgewood, N. J. Clarifier. 2,517,117, Aug. 1.
Komline, Thomas R., Ridgewood, assignor to Komline-Sanderson Engineering Corporation, Glen Rock, N. J. Centrifuge. 2,501,179, Mar. 21.
Komm, Joseph, assignor to Stewart-Warner Corporation, Chicago, Ill. Altimeter indicator. 2,518,151, Aug. 8.
Kommer, Fred A., assignor to Carter Carburetor Corporation, St. Louis, Mo. Carburetor Venturi construction. 2,525,036, Oct. 10.
Kompart, Walter W., Steubenville, Ohio, assignor to National Steel Corporation. Air-conditioning control system and method. 2,525,685, Oct. 10.
Komulaine, Wayne A., Los Angeles, Calif. Knockdown reflector construction. 2,522,230, Sept. 12.
Kondor, Karel, New York, N. Y. Three-dimensional layout equipment. 2,533,588, Dec. 12.
Kondrath, Andrew D., Leyden, Ill. Phonograph needle. 2,495,934, Jan. 31.
Konet, Henry, Hackensack, assignor to Bendix Aviation Corporation, Teterboro, N. J. Erecting mechanism for gyro verticals. 2,511,273, June 13.
Kongelbeck, Sverre, assignor to Infilco Incorporated, Chicago, Ill. Liquid level contactor. 2,535,142, Dec. 26.
Konigsberg, Moses, assignor to National Starch Products Inc., New York, N. Y. Ungelatinized starch ethers from polyfunctional etherifying agents. 2,500,950, Mar. 21.
Konigsberg, Sidney S., San Francisco, assignor to J. M. Kaar, doing business as Kaar Engineering Company, Palo Alto, Calif. Phase shift modulation system. 2,508,270, May 16.
Konigsberg, Sidney S., San Francisco, Calif. Indicating system. 2,519,668, Aug. 22.
Konikoff, Samuel, Pottstown, Pa. Rotary safety drive. 2,531,573, Nov. 28.
Koning, Jack A., Grand Rapids, Mich. Punch retainer. 2,500,420, Mar. 14.
Koniskey, Ted, Bayfield, Wis. Attachment for wheels. 2,493,879, Jan. 10.
Konkle, Charles R.: *See*—
Athy, Clifford R., and Konkle, and Munro.
Konopka, Edward J.: *See*—
Konopka, Joseph and E. J.
Konopka, Joseph and E. J., Detroit, Mich. Vehicle suspension. 2,529,806, Nov. 14.
Konrad, Erich H., and W. E. C. Eustis, South Strafford, Vt., assignors to Sulphide Ore Process Company, Inc., New York, N. Y. Electrodepositing iron. 2,532,629, Dec. 5.
Konrad, Hermann, Moutier, assignor to Hermann Konrad, Soc. An., Moutier, Canton of Berne, Switzerland. Razor and comb. 2,536,015, Dec. 26.
Konrad, Hermann, Soc. An., assignee: *See*—
Konrad, Hermann.
Konůpek, Jindřich, deceased, late of Melnik, Czechoslovakia, by J. Hrdlička, administrator, assignor to V. Jindrich, Melnik, Czechoslovakia. Grain hulling machine. 2,499,590, Mar. 7.
Konwal, Nick I., Cicero, Ill. Mechanical water depth indicator. 2,518,907, Aug. 15.
Kooistra, John A., assignor to Davis & Furber Machine Company, North Andover, Mass. Driving mechanism for twister tube type of spinning frames. 2,506,155, May 2.
Kooistra, John A., assignor to Davis & Furber Machine Company, North Andover, Mass. Spindle driving mechanism for spinning frames. 2,519,769, Aug. 22.
Kooistra, Lambert, Akron, Ohio, assignor to The Babcock & Wilcox Company, Rockleigh, N. J. Fog dispersal system. 2,510,118, June 6.
Kooman, Jacob J., assignor to Confections, Inc., Chicago, Ill. Apparatus for processing kernels of popcorn. 2,527,826, Oct. 31.
Koome, Jacob: *See*—
Hoog, Han, Engel, and Koome.
Koonter, Carlton G., Fairhaven, assignor to George C. Knight Company, Oak Park, Mich. Rearview mirror for motor vehicles. 2,533,475, Dec. 12.
Koontz, Clarence E., Jr., Washington, D. C. Radio amplifier circuits. 2,535,076, Dec. 26.
Koontz, James M.: *See*—
Sherer, Chester C., Koontz, and Hoefler.
Koontz, Lamont B., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Refrigerating control apparatus. 2,534,455, Dec. 19.
Koontz, Philip G.: *See*—
Anderson, Herbert L., and Koontz.
Koonz, Carl H.: *See*—
Trelease, Richard D., and Koonz.
Koonz, Carl H., assignor to Swift & Company, Chicago, Ill. Poultry dressing method. 2,502,794, Apr. 4.
Koonz, John C., Fort Wayne, Ind. Wire fence fabric having selected horizontal strands electrically insulated. 2,530,247, Nov. 14.
Koonz, John C., and C. L. Piper, assignors to The Magnavox Company, Fort Wayne, Ind. Pressure operated switch. 2,502,326, Mar. 28.
Kooring, Hendrik, Maracaibo, Venezuela. Apparatus for turning over leaves, in particular sheets of music, comprising a turnover lever provided with a suction cup. 2,519,581, Aug. 22.
Kopf, Philip, Brooklyn, N. Y. Mechanical toy 2,514,450, July 11.
Kopisch, Le Roy C., Hartford, Ill. Iron rest. 2,530,471, Nov. 21.
Kopp, Georges, Mont Saint-Aignan, and R. E. M. Gangneux, Rouen, assignors to Manufactures de Produits Chimiques du Nord Etablissements Kuhlmann, Paris, France. Cellulose derivative textile fibers dyed with derivatives of 1-amino-2-nitro-benzene-4-sulfamide. 2,506,224, May 2.
Kopp, Walter R., assignor to Olin Industries, Inc., New Haven, Conn. Lamp bulb holder. 2,500,364, Mar. 14.
Koppel, Rudolph F., New York, N. Y. Musical toothbrush holder. 2,528,006, Oct. 31.
Koppers Company, Inc., assignee: *See*—
Becker, Joseph.
Corson, Ben B., and Webb.
Dorfan, Morton I.
D'Ouville, Edmond L.
Harlow, Earl V.
Hartigan, Raymond H.
Haynes, Pierre E.
Hill, William H.
Johnson, Robert.
Keeling, William O.
Keller, James L.
Kutz, Walter M.
Maguire, Michael T.
McGurl, Gilbert V.
Morrow, James B.
Nickels, Joseph E.
Orochena, Salvador F., and Kutz.
Peck, Lee H.
Perch, Michael.
Perkins, Walter F.
Powell, Alfred R.

Koppers Company, Inc., assignee: *See*—Continued.
Rhodes, Philip H.
Royer, Leslie W., and Iverson.
Shaw, Joseph A.
Stahly, Eldon E.
Stahly, Eldon E., and Corson.
Swietoslawski, Wojciech.
Thayer, Helen I.
Van Ackeren, Joseph.
Van der Hoeven, Bernard J.
Webb, George A.
Webb, George A., and Nimmo.

Koppin, Eugene P., Belleville, Mich. Electrically controlled baseball game. 2,494,248, Jan. 10.

Koppisch, Robert F., Hartford, and T. Waugh, West Hartford, assignors to Hartford-Empire Company, Hartford, Conn. Apparatus for conveying containers. 2,511,534, June 13.

Koppit, Raymond, and C. J. Davis, Jr., assignors to Armour and Company, Chicago, Ill. Method and apparatus for rendering fats. 2,493,459, Jan. 3.

Kopplin, Clarence L. and P. C., Waterloo, Iowa. Extension handle for shovels and the like. 2,529,342, Nov. 7.

Kopplin, Paul C.: *See*—
Kopplin, Clarence L. and P. C.

Koprowski, Hilary: *See*—
Cox, Herald R., and Koprowski.

Koral, Morris, New York, N. Y. Steam electric radiator. 2,521,173, Sept. 5.

Korb, Fred B.: *See*—
Dunakin, Paul H., and Korb.

Korb, Frederick L., Honesdale, Pa. Nonintermittent motion-picture projection apparatus. 2,515,453, July 18.

Korb, John H., U. S. Navy. Diaphragm shutter scotometer. 2,495,263, Jan. 24.

Koren, Samuel: *See*—
Cusnman, Walton W., and Koren.

Korff, Abram, assignor to Merkle-Korff Gear Company, Chicago, Ill. Gear housing. 2,516,090, July 18.

Korfmann, Frederick W., Long Island City, N. Y. Gas meter valve. 2,493,880, Jan. 10.

Körfnek, Gustav, Detroit, Mich. Filing machine. 2,505,675, Apr. 25.

Korman, Jerome: *See*—
Hunter, James H., and Korman.

Korman, Nathaniel I., Camden, N. J., assignor to Radio Corporation of America. Wide band oscillator and modulator. 2,498,759, Feb. 28.

Korman, Nathaniel I., Camden, N. J., assignor to Radio Corporation of America. Phase modulation. 2,502,095, Mar. 28.

Korman, Nathaniel I., Camden, and C. G. Sontheimer, Haddonfield, N. J., assignors to Radio Corporation of America. Band pass signal transmission system. 2,510,022, May 30.

Kormuth, Martin S., Charleroi, Pa. Wall supported jar cap wrench. 2,515,655, July 18.

Korn, Bernard B., Los Angeles, Calif. Clutch drive. 2,517,887, Aug. 8.

Korn, Estol P., Houston, Tex. Lawn edger. 2,506,366, May 2.

Korn, Frederick, Freeport, N. Y. Automatic pressure cooker. 2,515,879, July 18.

Korn, Isidore, Newark, N. J. Electric connection device. 2,501,569, Mar. 21.

Kornei, Otto, Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Indicating device with automatic zero adjustment. 2,497,675, Feb. 14.

Kornei, Otto, Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Magnetic record transducing head. 2,513,653, July 4.

Kornei, Otto, Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Image retaining system. 2,521,635, Sept. 5.

Kornei, Otto, Cleveland Heights, Ohio. Ring-type magnetic record-transducing head. 2,523,576, Sept. 26.

Kornei, Otto, Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Erasing head and apparatus for magnetic recorders. 2,535,498, Dec. 26.

Kornemann, Henry C., and G. W. Patch, Jr., Kenmore, N. Y., assignors to The Linde Air Products Company. Container for liquefied gases. 2,520,883, Aug. 29.

Kornfeld, William F., Bayside, and W. S. Nagle, Hollis, N. Y. Portable bottle refrigerator carton. 2,514,651, July 11.

Korody, Alexander, New York, N. Y. Compact holder and brush. 2,493,074, Jan. 3.

Körös, Ladislao, Buenos Aires, Argentina, assignor to Radio Corporation of America. Speech inverter. 2,530,579, Nov. 21.

Korotkin, Samuel G., Detroit, Mich. Shirt ironer. 2,524,197, Oct. 3.

Korra, John K., Indianapolis, Ind., assignor to Link-Belt Company. Carrier chain. 2,527,938, Oct. 31.

Kors, Henry F., assignor of one-half to A. J. Braun, Chicago, Ill. Piecrust trimming board and transfer cloth combination. 2,521,982, Sept. 12.

Korsgren, Theodore Y.: *See*—
Ryder, Frank A., Korsgren, and Collins.

Korsgren, Theodore Y., Winnetka, Ill. Multiple opposed piston engine. 2,532,106, Nov. 28.

Korte, Alfred C., and A. N. Szwargulski, assignors to Carter Carburetor Corporation, St. Louis, Mo. Oil pressure control and warning device. 2,497,029, Feb. 7.

Korte, Alfred C., assignor to Carter Carburetor Corporation, St. Louis, Mo. Fuel pump mounting. 2,500,834, Mar. 14.

Korte, Alfred C., assignor to Carter Carburetor Corporation, St. Louis, Mo. Fuel pump mounting. 2,527,827, Oct. 31.

Korth, William J., Cleveland, and W. J. Kender, Madison, Ohio. Decorative ornament and fire safety device. 2,508,676, May 23.

Kortick, Leonard R., Providence, R. I. Dust mop cleaner. 2,526,485, Oct. 17.

Kortlucke, Frederick F., Jr., and F. W. Stellwagen, Kew Gardens, N. Y. Clamping device. 2,498,372, Feb. 21.

Kortschak, Hugo P.: *See*—
Payne, John H., and Kortschak.

Kortum, Herman W., assignor to Horton Manufacturing Company, Fort Wayne, Ind. Ironing machine head construction. 2,501,775, Mar. 28.

Korum, Henry E.: *See*—
Neighbour, Leonard B., and Korum.

Korus, Michael, Pittsburgh, Pa. Fishing rod guide. 2,518,908, Aug. 15.

Koscher, Gustave, Detroit, Mich. Spear. 2,510,641, June 6.

Kosciusko, Adam T.: *See*—
Freeman, Howard G., and Kosciusko.

Koski, Jacob L., Ashtabula, Ohio. Fishing lure. 2,523,831, Sept. 26.

Koskinen, Arthur A., Sacramento, Calif. Toggle actuated slidable jaw wrench. 2,533,817, Dec. 12.

Koskinen, Elmer T., assignor to D. J. Murray Manufacturing Co., Wausau, Wis. Variable outlet for liquid conduits. 2,522,281, Sept. 12.

Koskinen, Onni S., Birmingham, Mich. Mesh forming machine. 2,512,802, June 27.

Kosla, John F., Grand Rapids, Mich. Dispensing machine. 2,516,005, July 18.

Kosmin, Milton: *See*—
Gluesenkamp, Earl W., and Kosmin.

Kosmin, Milton, Los Angeles, Calif., assignor to Monsanto Chemical Company, St. Louis, Mo. Compounds having surface activity and preparing them. 2,508,035, May 16.

Kosmin, Milton, Los Angeles, Calif., assignor to Monsanto Chemical Company, St. Louis, Mo. Compounds having high wetting activity and preparing them. 2,508,036, May 16.

Kosmis, Jan, Jr., Amsterdam, Netherlands. String for musical instruments. 2,535,143, Dec. 26.

Kosobud, William, Brookfield, Ill., assignor to Detroit Mold Engineering Company, Detroit, Mich. Plastic mold base. 2,511,350, June 13.

Kosolapoff, Gennady M., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Aryl phosphates of polyvinyl alcohol. 2,495,108, Jan. 17.

Kosolapoff, Gennady M., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Alkyl substituted amido pyrophosphates. 2,502,966, Apr. 4.

Kosolapoff, Gennady M., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Producing polyphosphoric acid esters. 2,503,204, Apr. 4.

Kossovitch, Dimitry, Levallois-Perret, France. Double-acting electric stove. 2,533,672, Dec. 12.

Kossow, Herman J., Washington, D. C. Baggage set for automobile trunks. 2,497,173, Feb. 14.

Kost, Alwin, Portland, Oreg. Paint mixing machine. 2,527,556, Oct. 31.

Kost, George C., Carlisle, Pa. Cigarette snubbing device. 2,514,876, July 11.

Kost, Harold W., Birmingham, Mich., assignor, by mesne assignments, to Prestole Corporation, Toledo, Ohio. Fastening device for condensers or the like. 2,494,881, Jan. 17.

Kost, Harold W., Birmingham, Mich., assignor, by mesne assignments, to Prestole Corporation, Toledo, Ohio. Sheet metal nut. 2,494,882, Jan. 17.

Kost, Harold W., assignor to Prestole Corporation, Toledo, Ohio. Snap-in spring fastener. 2,504,986, Apr. 25.

Kost, Harold W., assignor, by mesne assignments, to Prestole Corporation, Toledo, Ohio. Fastener for stems or the like. 2,529,219, Nov. 7.

Koster, Edward C., Shaker Heights, Ohio. Milk weighing and recording machine. 2,505,552, Apr. 25.

Koster, John, Washington, D. C., assignor to Crimora Research & Development Corporation, Crimora, Va. Treating manganese electroplating solutions. 2,511,507, June 13.

Kostohryz, Frank J.: *See*—
Palmer, Charles E., and Kostohryz.

Kotlinek, John, Berwyn, assignor to Prater Pulverizer Company, Chicago, Ill. Magnetic separator for grain chutes. 2,502,096, Mar. 28.

Kotkins, Henry L., Seattle, Wash. Luggage case with tissue-dispensing container. 2,522,126, Sept. 12.

Kotron Rectifier Corporation, assignee: *See*—
Kotterman, Chester A.

Kott, Hermann, Verona, N. J. Fuse device for high-voltage circuits. 2,526,370, Oct. 17.

Kotterman, Chester A., New York, N. Y., assignor to Kotron Rectifier Corporation, Newark, N. J. Rectifier unit. 2,498,890, Feb. 28.

Kotterman, Chester A., New York, N. Y., assignor to Kotron Rectifier Corporation, Newark, N. J. Mounting and connecting device for metal-plate rectifiers. 2,510,588, June 6.

Kottkamp, Norman C., and P. J. Bailey, Indianapolis, J. M. Trimble, Lebanon, and R. M. Langsenkamp assignors to The Langsenkamp-Wheeler Brass Works, Inc., Indianapolis, Ind. Milk sampling apparatus. 2,529,397, Nov. 7.

Kotzebue, Meinhard H.: *See*—
Bludworth, Joseph E., and Kotzebue.

Kotzebue, Meinhard H., Houston, Tex., assignor to Celanese Corporation of America. Oxidation of hydrocarbons. 2,495,332, Jan. 24.

Kotzebue, Meinhard H., Houston, Tex., assignor to Celanese Corporation of America. Chemical apparatus. 2,530,527, Nov. 21.

Koubek, William F., Cuba, N. Y., assignor, by mesne assignments, to Acme Electric Corporation. Laminated reactor. 2,494,180, Jan. 10.

Koucký, Josef, assignor to Zbrojovka Brno, Narodni Podnik, Prague, Czechoslovakia. Inertia member for retarding breechblock movement in automatic firearms. 2,495,460, Jan. 24.

Koucky, Josef, assignor to Zbrojovka Brno, Narodni Podnik (also named Brno Arms Factory, National Corporation), Prague, Czechoslovakia. Cartridge feeding means for automatic firearms. 2,519,582, Aug. 22.

Koukal, Louis, New York, N. Y. Combined bottle stopper and measuring device. 2,519,479, Aug. 22.

Kounovsky, Edward F., and J. E. Dube, St. Louis, assignors to Alco Valve Company, University City, Mo. Snap action suction valve. 2,520,216, Aug. 29.

Koupal, Walter G.: *See*—
Halbach, Howard L., Campbell, and Koupal.

Kouri, Addy S., Oklahoma City, Okla. Trellis. 2,530,015, Nov. 14.

Kousens, Stanley L., San Diego, Calif. Needle holder. 2,530,620, Nov. 21.

Kouzmine, Eugène, Paris, France, assignor to International Business Machines Corporation, New York, N. Y. Multidigit number comparing device. 2,501,821, Mar. 28.

Kouzminsky, Michael P., New York, N. Y. Photographic enlarger and camera. 2,501,469, Mar. 21.

Kovac, Charles T., Youngstown, Ohio. Bowling alley signal switch. 2,517,683, Aug. 8.

Kovach, Louis: *See*—
Arnold, George B., and Kovach.

Kovacs, Frank G., Caldwell, and F. A. Seidler, South Orange, N. J. Ice type water cooler with gasket insulated top. 2,531,223, Nov. 21.

Kovacs, Frank G., Caldwell, and F. A. Seidler, South Orange, N. J. Air dehumidifying apparatus with hygroscopic material spreading means. 2,535,144, Dec. 26.

Kovacs, Julius P., Newark, and W. H. Hultgren, Roselle Park, assignors to PurOlator Products, Inc., Newark, N. J. Filter. 2,533,266, Dec. 12.

Kovalsky, Joseph F.: *See*—
Burgwin, Stephan L., Kovalsky, and Hull.

Kovalsky, Joseph F., Buffalo, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Speed regulating system. 2,498,281, Feb. 21.

Kovner, Al: *See*—
Beck, Raymond, and Kovner.

Kowal, Michael H.: *See*—
Hall, Maynard G., and Kowal.

Kowal, Michael H., Clifton, assignor to Empire Box Corporation, Garfield, N. J. Collapsible compartmented carton with handle. 2,525,686, Oct. 10.

Kowalewski, Joseph F., Anderson Township, Hamilton County, and G. Sperti, Tusculum Heights, assignors to Institutum Divi Thomae Foundation, Cincinnati, Ohio. Concentrating milk. 2,520,939, Sept. 5.

Kowalik, John J., assignor to American Steel Foundries, Chicago, Ill. Snubbed truck. 2,528,473, Oct. 31.

Kowalsky, George W., assignor of one-half to A. J. Forst, Wisconsin Rapids, Wis. Smoking pipe. 2,528,961, Nov. 7.

Kozacik, Alfred P.: *See*—
Reiff, Orland M., Andress, Jr., and Kozacik.

Kozacik, Alfred P., and A. N. Sachanen, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Recovery of oxidized petroleum products. 2,522,678, Sept. 19.

Kozak, Alfred, Chicago, Ill. Oil heating stove having J-shaped baffles therein. 2,516,469, July 25.

Kozarian, Ruben: *See*—
Warnick, Alan, and Kozarian.

Kozinski, Joseph, assignor to H. G. Fischer & Co., Chicago, Ill. Electrode. 2,513,568, July 4.

Kozloff, John, Brooklyn, N. Y. Mirror attached spectacle frame. 2,502,224, Mar. 28.

Kraak, Abraham, Long Beach, Calif. Liquid shock absorber. 2,504,424, Apr. 18.

Krachenfels, Carl J., assignor to Olin Industries, Inc., New Haven, Conn. Flat primary battery. 2,519,052, Aug. 15.

Kraeft, Herman L., Cleveland Heights, L. J. Walters, Shaker Heights, and R. F. Skerl, Euclid, assignors to The Murray-Ohio Manufacturing Company, Cleveland, Ohio. Manufacturing tubular frame structures. 2,495,333, Jan. 24.

Kraeft, Herman L., Cleveland Heights, and L. J. Walters, Shaker Heights, assignors to The Murray-Ohio Manufacturing Company, Cleveland, Ohio. Velocipede frame head construction. 2,509,567, May 30.

Kraeft, Herman L., and V. Schreckengost, Cleveland Heights, assignors to The Murray-Ohio Manufacturing Company, Cleveland, Ohio. Tricycle frame structure. 2,516,705, July 25.

Kraemer, Fenton, Marysville, Kans. Lathe chuck. 2,496,545, Feb. 7.

Kraemer, Otto, San Angelo, Tex. Surgical dilator. 2,499,761, Mar. 7.

Krafczyk, John, Wauwatosa, Wis. Fish-scaling equipment. 2,511,592, June 13.

Krafft, Joseph M., Alexandria, Va. Apparatus for continuously and instantly measuring efficiency. 2,529,615, Nov. 14.

Kraft, Charles H., Kansas City, Mo. Key ring. 2,499,591, Mar. 7.

Kraft, Clarence W., assignor to Disticraft, Inc., Chicago, Ill. Treatment of alcoholic liquor. 2,500,951, Mar. 21.

Kraft Foods Company, assignee: *See*—
Farrar, Arthur.
Haugh, Raymond R.
Stine, James B.

Kraft, Herman T., Akron, and W. C. McCoy, Shaker Heights, assignors to The General Tire & Rubber Company, Akron, Ohio. Building steel cable tire ply bands. 2,501,644, Mar. 21.

Kraft, Louis, East Chicago, Ind. Rack structure for glaziers' vehicles. 2,518,624, Aug. 15.

Kraft, Richard A., Delmar, N. Y. Adding machine. 2,528,149, Oct. 31.

Kraft, Selmer A.: *See*—
Johnson, Albert L., and Kraft.

Kraft, Wheaton W.: *See*—
Collins, Raymond R., and Kraft.

Kraft, Wheaton W., Scarsdale, assignor to The Lummus Company, New York, N. Y. Bubble cap. 2,510,589, June 6.

Kraft, Wheaton W., Scarsdale, assignor to The Lummus Company, New York, N. Y. Liquid-contact device. 2,510,590, June 6.

Kraft, Wheaton W., Scarsdale, assignor to The Lummus Company, New York, N. Y. Feed means for the reboiler of a fractionating column. 2,534,173, Dec. 12.

Kraft, Wheaton W., Scarsdale, assignor to The Lummus Company, New York, N. Y. Distillation. 2,534,870, Dec. 19.

Krag, Franz K., Chicago, Ill. Scrap cutter and the like. 2,519,669, Aug. 22.

Krag, Franz K., Chicago, Ill. Fulcrum type bottle opener. 2,533,818, Dec. 12.

Krah, Rudolf, and W. W. Block, Kenosha, Wis. Pin setting machine and method. 2,504,987, Apr. 25.

Krajenka, Casimir J., assignor to Briggs Manufacturing Company, Detroit, Mich. Pivotal hook clamp. 2,498,858, Feb. 28.

Krakauer, Abraham, assignee: *See*—
Krakauer, Edwin G.

Krakauer, Daniel, assignee: *See*—
Krakauer, Edwin G.

Krakauer, C. Leonard, assignee: *See*—
Krakauer, Edwin G.

Krakauer, Edwin G., Brooklyn, N. Y., assignor of one-fourth to A. Krakauer, one-fourth to D. Krakauer, and one-fourth to C. L. Krakauer. Signal responsive to current-passage time. 2,518,909, Aug. 15.

Kraker, Bernard I., Melrose, assignor of fifty per cent to F. H. Roeder, Sauk Centre, Minn. Rocker arm cover vapor receiver. 2,529,616, Nov. 14.

Krakowski, Stanley, Newark, N. J. Crowing toy cock. 2,528,759, Nov. 7.

Kral, Joseph, assignor to United-Carr Fastener Corporation, Cambridge, Mass. One-piece fastener clip for use with an apertured support. 2,511,805, June 13.

Kral, Franklin, Takoma Park, Md. Crystal holder. 2,525,138, Oct. 10.

Kralovec, Robert D., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Separation of pure methionine from methionine nitrile hydrolyzates. 2,504,425, Apr. 18.

Kralovic, Frank S., Parma, Ohio. Clothespin-receptacle suspension. 2,531,058, Nov. 21.

Kramer, Andrew A., assignee: *See*—
Heinrich, William J.

Kramer, Benjamin: *See*—
Natelson, Samuel, Kramer, and Tekel.

Kramer, Burt R., Bartlesville, Okla., assignor to Phillips Petroleum Company. High-pressure vessel. 2,519,770, Aug. 22.

Kramer, Charles M.: *See*—
Maged, Julius, and Kramer.

Kramer, Clarence F., Birmingham, Mich. Seat track construction. 2,500,316, Mar. 14.

Kramer, Clarence F., Birmingham, assignor to Ford Motor Company, Dearborn, Mich. Cowl ventilator mechanism. 2,514,772, July 11.

Kramer, Clarence F., Birmingham, assignor to Ford Motor Company, Dearborn, Mich. Ventilating window hinge arrangement. 2,518,152, Aug. 8.

Kramer, Eugene, Astoria, N. Y. Brassière. 2,520,009, Aug. 22.

Kramer, Ferdinand, Port Chester, N. Y. Adjustable display rack. 2,495,109, Jan. 17.

Kramer, Irvin R., and S. L. Toleman, Washington, D. C., and W. T. Haswell, Ligonier, Pa. Alloy steel, 2,516,125, July 25.

Kramer, Jan, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electric apparatus consisting of a support provided with a covering layer of poor conductivity. 2,534,356, Dec. 19.

Kramer, John, Waukegan, Ill., assignor to The American Steel and Wire Company of New Jersey. Straightening and coating wire. 2,511,274, June 13.

Kramer, Joseph M., executor: *See*—
Heinrich, William J.

Kramer, Louis, Forest Hills, N. Y. Attaching means for jewelry. 2,499,592, Mar. 7.

Kramer, Paul, Lausanne, Switzerland. Making tampons. 2,512,833, June 27.

Kramer, Robert W.: *See*—
Pearce, Robert O., and Kramer.

Kramer Trenton Company, assignee: *See*—
Frie, George.
Nussbaum, Otto J.

Kramer, Walter F., Detroit, Mich. Fusing link. 2,523,029, Sept. 19.

Kramer, William, New York, N. Y. Temperature retaining cover for baby bottles and other receptacles. 2,522,381, Sept. 12.

Kramers, William J.: *See*—
Bennett, John G., Greaves, Phillpotts, Pirani, Kramers, and Foster.

Kranick, Frank N. G.: *See*—
Hansen, Charles W., and Kranick.

Kranick, Frank N. G., assignor to J. I. Case Company, Racine, Wis. Tractor. 2,531,818, Nov. 28.

Kranitz, Robert, Du Bois, Pa. Bait container. 2,503,276, Apr. 11.

Krantz, Hubert K., Rockville Centre, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Rotary multiple contactor. 2,509,931, May 30.

Krantz, Walter M., Youngstown, Ohio. Storm window frame. 2,504,700, Apr. 18.

Krantz, Walter M., Youngstown, Ohio. Expansible storm window frame. 2,504,701, Apr. 18.

Krantz, Walter M., Youngstown, Ohio. Mounting frame for storm window assemblies. 2,504,702, Apr. 18.

Krantz, Walter M., Youngstown, Ohio. Glass framing construction. 2,505,553, Apr. 25.

Krantz, Walter M., assignor to Ace Storm Window Company, Youngstown, Ohio. Frame and fastening means therefor. 2,518,557, Aug. 15.

Kranz, Harry W., Lakewood, assignor to The Cleveland Welding Company, Cleveland, Ohio. Scuff bar for bicycles. 2,513,496, July 4.

Krapf, Herman C., Wilkinsburg, Pa., and E. R. Sirotak, Cleveland, Ohio, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric motor dynamic braking system. 2,508,175, May 16.

Krapf, Herman C., and P. L. Vollmer, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Safety handle for controllers. 2,530,974, Nov. 21.

Krapp, John T., Port Washington, N. Y. Coupling. 2,518,026, Aug. 8.

Krapp, John T., Port Washington, N. Y. Coupling device. 2,522,127, Sept. 12.

Krapp, John T., Port Washington, N. Y. Coupling. 2,525,037, Oct. 10.

Krasne, Harry: *See*—
Campbell, Maurice M., and Krasne.

Krasnow, Shelley, assignee: *See*—
Kaufman, Joseph M. S., Krasnow, and Schaerfl.

Krasnow, Shelley, New York, N. Y., assignor to Schlumberger Well Surveying Corporation, Houston, Tex. Shielding method and apparatus for radio-active borehole logging. 2,522,522, Sept. 19.

Krasnow, Shelley, Arlington County, Va., and L. F. Curtiss, Montgomery County, Md., assignors, by mesne assignments, to said Krasnow. Radiant energy activation. 2,495,736, Jan. 31.

Krasucki, Richard, Irondequoit, N. Y. Roller coating machine. 2,502,795, Apr. 4.

Kratkowski, John F., West Brighton, N. Y. Picture holder. 2,506,509, May 2.

Kratzer, Herbert J., St. Louis, Mo. Variable compression ratio internal-combustion engine. Re. 23,307, Dec. 12.

Krauer, Karl: *See*—
Huber, Wilhelm, and Krauer.

Kraulik, George: *See*—
Wilson, Sam R., and Kraulik.

Kraus, Edward H., Elizabeth, N. J. Odorless toilet bowl. 2,526,952, Oct. 24.

Kraus, Fred: *See*—
Davis, Hyman R., and Kraus.

Kraus, Gerard: *See*—
Soller, Walter, and Kraus.

Kraus, Herbert L., New York, N. Y. Tripod adapter. 2,506,878, May 9.

Kraus, Leon S., Peoria, Ill. Method of and apparatus for treatment of sewage. 2,517,792, Aug. 8.

Kraus, Max R., assignee: *See*—
Goldfarb, Adolph.

Krause, Carl H.: *See*—
Miller, Malcolm T., Binnall, and Krause.

Krause, Carl H., Brooklyn, N. Y., M. J. Meylich, West Orange, and A. J. Schetz, Union, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Safety control system. 2,504,026, Apr. 11.

Krause, Frederick A., assignee: *See*—
Coppock, Franklin E.

Krause, George A., Caldwell, and A. Grunewald, Hoboken, assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J. Packing apparatus. 2,510,343, June 6.

Krause, Herbert A., Brookfield, Ill., assignor to General Motors Corporation, Detroit, Mich. Brush spring retractor. 2,507,981, May 16.

Krause, Irving A., Jersey City, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Radio receiver. 2,510,983, June 13.

Krause, Norman R., assignor to J. I. Case Company, Racine, Wis. Platform adjusting means for harvester-threshers. 2,509,357, May 30.

Krause, Norman R., assignor to J. I. Case Company, Racine, Wis. Feed auger for harvesting machines. 2,509,826, May 30.

Krause, Norman R., assignor to J. I. Case Company, Racine, Wis. Feed plate for combines. 2,528,232, Oct. 31.

Krause, Norman R., assignor to J. I. Case Company, Racine, Wis. Cutter bar for harvesters. 2,528,659, Nov. 7.

Krause, Norman R., and C. W. Hansen, assignors to J. I. Case Company, Racine, Wis. Reel construction. 2,499,998, Mar. 7.

Krause, Theodore P., assignor to General Motors Corporation, Detroit, Mich. Reproducing mechanism. 2,507,982, May 16.

Krause, Walter W., assignor to Dormeyer Corporation, Chicago, Ill. Beater ejector. 2,515,755, July 18.

Krauss, Carl, Chicago, Ill. Wireway or light strip assembly. 2,503,876, Apr. 11.

Krauss, John, Ozone Park, N. Y. Smoke tree. 2,512,340, June 20.

Krauss, Walter: *See*—
Cross, Robert C., and Krauss.

Krausser, Albert O., Washington, D. C. Adjustment attachment for spirit levels. 2,521,525, Sept. 5.

Krauth, Edwin A., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Aid for the blind. 2,500,638, Mar. 14.

Kravagna, Cut, Los Angeles, Calif. Concrete form tie and spacer. 2,524,265, Oct. 3.

Kravitz, Ben., University Heights, assignor to Anchor Rubber Products, Inc., Cleveland, Ohio. Automobile floor mat. 2,505,554, Apr. 25.

Kravitz, Samuel, Washington, D. C. Iron hanger. 2,532,848, Dec. 5.

Kraybill, Henry R., and B. W. Beadle, Chicago, Ill., assignors to A. W. Brickman, V. Conquest, F. J. Madden, W. B. Oleson, and E. T. Filbey, as trustees. Antioxidant. 2,521,856, Sept. 12.

Krchma, Ignace J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Cooling gaseous suspensions of titanium dioxide in the preparation of titanium dioxide pigments from titanium tetrachloride. 2,508,271, May 16.

Krchma, Ignace J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Heating titanium tetrachloride. 2,512,341, June 20.

Krchma, Ignace J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Separating metal halide vapors. 2,533,021, Dec. 5.

Krchma, Ignace J., Wilmington, and H. H. Schaumann, Newark, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Separation of aluminum chloride and ferric chloride. 2,502,327, Mar. 28.

Krco, Christopher J., Chicago, Ill. Panhead for a tripod. 2,500,290, Mar. 14.

Kreager, Clifford C.: *See*—
Zvanut, Frank J., Kraeger, and Thomas.

Kreamer, William H., Meadville, Pa., assignor to American Viscose Corporation, Wilmington, Del. Traverse mechanism for winding machines. 2,529,559, Nov. 14.

Krebs, Charles H., assignor to Standard Cap and Seal Corporation, Chicago, Ill. Single closure for bottles. 2,501,849, Mar. 28.

Krebs & Co., assignee: *See*—
Krebs, Eduard.

Krebs, Eduard, Neuilly-sur-Seine, France, assignor to Krebs & Co., Zurich, Switzerland. Device for the protection of the cathodes of electrolytic cells. 2,508,523, May 23.

Krebs, Robert W.: *See*—
Smith, Lloyd B., and Krebs.

Krebs, Robert W., Baton Rouge, La., assignor to Standard Oil Development Company. Regeneration of a hydrocarbon synthesis catalyst. 2,506,302, May 2.

Krebs, Robert W., Baton Rouge, La., assignor to Standard Oil Development Company. Sintering a catalyst. 2,510,823, June 6.

Krebs, Robert W., Baton Rouge, La., assignor to Standard Oil Development Company. Slurry handling. 2,518,337, Aug. 8.

Krebs, Robert W., Baton Rouge, La., assignor to Standard Oil Development Company. Handling pulverulent catalyst in hydrocarbon conversion and catalyst regeneration operations. 2,526,486, Oct. 17.
Krebs, William L., Plainfield, N. J. Detachable tuft section brush. 2,526,756, Oct. 24.
Krebser, Adolf: *See*—
Hindermann, Peter, Bossard, and Krebser.
Krebser, Karl, Bramois, Switzerland. Storage of provisions. 2,522,829, Sept. 19.
Krecek, Joseph A., New Rochelle, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telegraph repeater. 2,518,027, Aug. 8.
Kreeger, Fred R., Shaker Heights, Ohio. Children's vehicle. 2,495,935, Jan. 31.
Kreeger, Thomas B., Pfafftown, N. C. Tobacco stick holder and stick feeder. 2,511,473, June 13.
Kreer, John G., Jr., Bloomfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Phase comparator for underwater signaling. 2,530,528, Nov. 21.
Kreer, John G., Jr., Bloomfield, N. J., and E. Peterson, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Pulse skip synchronization of pulse transmission systems. 2,527,638, Oct. 31.
Kreidenweiss, Walter H., Audubon, N. J. Sanitary brush. 2,516,778, July 25.
Kreider, William R., Philadelphia, Pa. Means to punch any card of a predetermined value within a group of cards. 2,515,012, July 11.
Kreidl, Ignaz and W., New York, N. Y., assignor to Ferro Enamel Corporation, Cleveland, Ohio. Synthetic resins based on inorganic constituents. 2,512,063, June 20.
Kreidl, Norbert J.: *See*—
Fraser, Walter A., Kreidl, and Upton.
Kreidl, Norbert J., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Optical glass. 2,518,028, Aug. 8.
Kreidl, Werner: *See*—
Kreidl, Ignaz and W.
Kreidler, Carl H., La Porte, Ind. Polishing kit. 2,523,909, Sept. 26.
Kreider, Walter J., assignor to The National Cash Register Company, Dayton, Ohio. Ribbon inking device. 2,531,692, Nov. 28.
Kreiger, Willard: *See*—
Able, Edward T., and Krieger.
Kreiner, Anthony J., Wickliffe, Ohio. Backflow preventer valve. 2,516,578, July 25.
Kreinick, Horace C.: *See*—
Menschik, Irving J., and Kreinick.
Kreipl, Fred F., Los Angeles, Calif. Point locating and marking device for laying out machine work. 2,503,392, Apr. 11
Kreisel, Ralph R., New Providence, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electroacoustic transducer. 2,520,640, Aug. 29.
Kreisler, Jacques, Manufacturing Corporation, assignee: *See*—
Gaun, Harry M.
Kreisler, Jacques.
Taegtstroem, Ingemar.
Vollet, George.
Kreisler, Jacques, New Rochelle, N. Y., assignor to Jacques Kreisler Manufacturing Corporation, North Bergen, N. J. Bracelet and making the same. 2,498,211, Feb. 21.
Kreithen, Alexander: *See*—
Beard, Joseph G., and Harralson, and Kreithen.
Epstein, Arnold S., and Kreithen.
Kreithen, Alexander, Philadelphia, Pa., assignor to Radio Corporation of America. Radio-frequency power generator. 2,498,760, Feb. 28.
Kreitner, John, New York, assignor to Sixtal Development Company, Beacon, N. Y. Rotary computer. 2,530,304, Nov. 14.
Krementz & Company, assignee: *See*—
Simpson, Harrison D.
Kremer, John T., Houston, Tex., assignor to The Texas Company, New York, N. Y. Spray device. 2,511,474, June 13.
Kremer, Joseph, Jr., assignee: *See*—
Augustine, Heinz.
Krenik, George J., Montgomery, Minn. Liquid insulated electric condenser. 2,517,888, Aug. 8.
Kresheck, Vladimir A., Two Rivers, Wis. Door shock absorber. 2,524,980, Oct. 10.
Kreske, Walter J., Terryville, Conn. Selective automatic temperature control for fluid mixtures. 2,519,381, Aug. 22.
Kresky Mfg. Co., Inc., assignee: *See*—
Miller, Clarence A., and Thomson.
Miller, Clarence A., Thompson, and Ryno.
Kress, Adam E., Brook Haven, N. Y. Window decoration. 2,510,502, June 6.
Kress, F. J., Box Company, assignee: *See*—
Benjamin, Fred H.
Kress, Ralph, and G. Griswold, Columbus, Ohio, assignors to Curtiss-Wright Corporation. Control pedal assembly. 2,516,397, July 25.
Kressbach, Edward, Milwaukee, Wis. Closure lock and actuating mechanism. 2,519,480, Aug. 22.
Kresser, Jean V., San Francisco, Calif., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system for plural prime mover dynamo plants. 2,501,340, Mar. 21.
Kresta, Alois, assignor to Prenco Progress and Engineering Corporation Limited, Toronto, Ontario, Canada. Tank gauge for oil and other liquids. 2,509,770, May 30.
Kresta, Alois, assignor to Prenco Progress and Engineering Corporation Limited, Toronto, Ontario, Canada. Draft regulator for smoke pipes. 2,519,583, Aug. 22.
Kreulen, Herman P., Elm Grove, assignor to Grede Foundries, Inc., Wilwaukee, Wis. Cupola furnace. 2,495,264, Jan. 24.
Kreutzer, Casper, Milltown, N. J. Collapsible convertible rocking chair. 2,507,165, May 9.
Kreuz, Kenneth L., Beacon, assignor to The Texas Company, New York, N. Y. Thiophenes from sulfur dioxide and hydrocarbons. 2,531,279, Nov. 21.
Kreuz, Kenneth L., Beacon, assignor to The Texas Company, New York, N. Y. Alkylation of thiophene compounds. 2,531,280, Nov. 21.
Kreuz, Kenneth L., Beacon, and R. L. Sanderson, Fishkill, assignors to The Texas Company, New York, N. Y. Sulfuric acid alkylation of thiophene compounds. 2,529,298, Nov. 7.
Kreuzer, Barton, Los Angeles, and I. R. Goshaw, Beverly Hills, Calif., assignors to Radio Corporation of America. Reverberation time measuring system. 2,499,593, Mar. 7.
Krewson, Charles F.: *See*—
Couch, James F., Krewson, and Porter.
Krewson, Charles F., J. Naghski, and W. L. Porter, Philadelphia, Pa., assignors to the United States of America as represented by the Secretary of Agriculture. Refining rutin. 2,534,275, Dec. 19.
Kreyer, John G.: *See*—
Hale, James E., Cox, and Kreyer.
Krezeszewski, Walter, assignee: *See*—
Jones, James E.
Kribs, Fred, Owosso, Mich. Hog vise. 2,523,700, Sept. 26.
Krick, Irving P., Los Angeles, Calif. Weather forecasting device. 2,508,273, May 16.
Krider, George E., Duncansville, Pa. Traction device. 2,527,939, Oct. 31.
Kridler, Philip W., Detroit, Mich. Fish lure. 2,505,051, Apr. 25.
Kridler, Philip W., Detroit, Mich. Lure. 2,505,052, Apr. 25.
Krieble, Robert H.: *See*—
Elliott, John R., and Krieble.
Krieble, Robert H., Schenectady, N. Y., assignor to General Electric Company. Preparation of organo-silicon halides. 2,510,642, June 6.
Krieble, Robert H., Schenectady, N. Y., assignor to General Electric Company. Preparation of organo-silicon compounds. 2,524,529, Oct. 3.
Krieble, Robert H., and J. R. Elliott, Schenectady, N. Y., assignors to General Electric Company. Preparing organopolysiloxanes. 2,501,525, Mar. 21.
Krieck, James H., Westport, Conn. Water purifying and conditioning apparatus. 2,529,398, Nov. 7.
Krieg, Eldon L., South Whitley, Ind. Automatic throttle control system. 2,509,358, May 30.
Kriegel, Harry F., Queens Village, N. Y. Record binder. 2,534,522, Dec. 19.
Krieger, Alvin W., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electric switch. 2,505,831, May 2.
Krieger, Alvin W., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Nonfree-tripping overload circuit breaker. 2,506,796, May 9.
Krieger, Conrad P., Jr., Cleveland, Ohio. Training implement for infants. 2,505,122, Apr. 25.
Krikorian, Frank, Lowell, Mass. Nonscoring brake adjuster. 2,522,181, Sept. 12.
Krim-Ko Corporation, assignee: *See*—
Siehrs, Arthur E.
Kris, Samuel, Denver, Colo. Sofa. 2,495,849, Jan. 31.
Krissoff, Hyman, Perth Amboy, N. J. Synagogue donation recording device. 2,514,451, July 11.
Krist, Joseph L., Broad Brook, Conn. Machine for impaling tobacco on laths. 2,502,225, Mar. 28.
Kristek, Emanuel, Hustenovice, assignor to Bata, Narodni Podnik, Zlin, Czechoslovakia. Expansible rimmed abrading wheel. 2,494,818, Jan. 17.
Kristensen, Kåre: *See*—
Sörensen, Nils A., and Kristensen.
Krister, Charles J.: *See*—
Bousquet, Euclid W., Cochran, and Krister.
Kristiansands Fiskegarnsfabrik A/S., assignee: *See*—
Heggland, Frithjof.
Kritscher, Andrew F., Ellwood City, Pa., assignor to National Tube Company. Separation device for rolling mills. 2,525,687, Oct. 10.
Kritzer, Richard W., Chicago, Ill. Defrosting apparatus for evaporators. 2,524,568, Oct. 3.
Krize, Frank G., Jr., Natchez, Miss. Momentary contact impulse switch. 2,507,637, May 16.
Krizkovsky, Fritz L. P., and A. Huneman, Hoogezand, assignors to Naamlooze Vennootschap: W. A. Scholten's Aardappelmeelfabrieken, Groningen, Netherlands. Producing a very active decolorizing agent. 2,527,099, Oct. 24.

Kroboth, Robert L., Los Angeles, Calif. Refuse collector for sink drains. 2,508,761, May 23.

Krocker, Adolf G., Waco, Tex. Weather strip. 2,519,141, Aug. 15.

Kroeger, William J., and C. W. Musser, Philadelphia, Pa. Ammunition for recoilless firearms. 2,529,504, Nov. 14.

Kroeker, Edwin H.: *See*—
Neher, Harry T., Conn, and Kroeker.
Neher, Harry T., Croxall, and Kroeker.

Kroener, Delbert M., Dayton, Ohio. Level device. 2,514,500, July 11.

Kroeschell Engineering Co., assignee: *See*—
Christmann, William F.

Kroft, Herbert M., Baltimore, and M. P. Vore, Catonsville, Md., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Apparatus for balancing rotors. 2,534,918, Dec. 19.

Kroger Company, The, assignee: *See*—
Reiman, Walter, Arnold, and Tschirgi.

Kröger, Ferdinand A., and J. Voogd, Eindhoven, Netherlands, assignors to General Electric Company. Cascaded fluorescent material. 2,494,883, Jan. 17.

Kröger, Ferdinand A., and J. Broos, Eindhoven, Netherlands, assignors. by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Magnesium silicate titanate phosphor. 2,532,774, Dec. 5.

Kroger, Frederick W., Trumbull, Nebr. Hoist. 2,493,150, Jan. 3.

Krogh, Anker E.. Glenside, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control system. 2,509,827, May 30.

Krogh, Kenneth K., Sargeant Bluff, Iowa, assignor of one-half to P. M. Visser, Berkeley, Ill. Identification device. 2,500,612, Mar. 14.

Krogman, Leo M., Chicago, Ill. Camera and lighting support. 2,495,265, Jan. 24.

Krohn, Ivar T., Southfield Township, Mich., assignor to Ethyl Corporation, New York, N. Y. Recovery of alkyllead compounds. 2,513,654, July 4.

Krohn, Joseph, Chicago, Ill. Tobacco container. 2,522,952, Sept. 19.

Kroll, Alfred J., and H. W. Bilger, assignors to The Cuno Engineering Corporation, Meriden, Conn. Socket for receiving electric igniter plugs. 2,495,657, Jan. 24.

Kroll, Cornelius, Houston, Tex. Pumping system. 2,535,583, Dec. 26.

Kroll, William J., Niagara Falls, N. Y. Producing titanium alloys. 2,522,679, Sept. 19.

Kromer, Arthur M., Minneapolis, Minn. Collapsible stand for bumper jacks. 2,493,978, Jan. 10.

Kromer, Wallace R., Cleveland Heights, assignor to Superflow Manufacturing Corporation, Cleveland, Ohio. Fluid pressure dispenser with gas pressure supplying reservoir within the supply container. 2,514,773, July 11.

Kromhout, Andrew, assignor to Elgin Softener Corporation, Elgin, Ill. Chemical treatment feed indicator. 2,515,235, July 18.

Kromhout, Andrew, assignor to Elgin Softner Corporation, Elgin, Ill. Multiport valve. 2,529,505, Nov. 14.

Kron, Kenneth F., New Britain, Conn. Vehicle support. 2,493,295, Jan. 3.

Krone, Charles S., Chicago, Ill. Illuminated vehicle ornament. 2,520,730, Aug. 29.

Kroner, Albert J., Vancouver, Wash., assignor to California Packing Corporation, San Francisco, Calif. Box dumping machine. 2,515,718, July 18.

Kronfield, Frank J., Toledo, Ohio. Fastener for cinematographic films. 2,533,819, Dec. 12.

Kronlund, Raymond W., Tacoma, Wash. Internal-combustion engine with demountable power units. 2,504,988, Apr. 25.

Kronmiller, Carl G., Edina, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control device. 2,493,294, Jan. 3.

Kronoff, Clarence R., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Reed beatup mounting for loom lays. 2,524,670, Oct. 3.

Kronoff, Clarence R., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Shuttle box mechanism for weft replenishing looms. 2,528,150, Oct. 31.

Kronoff, Clarence R., Worcester, and G. N. Peterson, Grafton, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Beat-up for looms. 2,517,215, Aug. 1.

Kronouer, Johan G., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Loose headstock of a lathe. 2,497,504, Feb. 14.

Kronouer, Johan G., E. M. H. Lips, and F. Prakke, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Making sealed glass vessels. 2,533,589. Dec. 12.

Kronouer, Johan G., and B. L. van Kouwen, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Tube holder. 2,534,555, Dec. 19.

Kronquest, Alfred L., Syracuse, assignor to Continental Can Co., Inc., New York, N. Y. Machine for vacuumizing and closing filled oblong cans. 2,517,323, Aug. 1.

Kronstad, Haavard, Mahoningtown, Pa. Cement clinker apparatus. 2,499,999, Mar. 7.

Kropa, Edward L.: *See*—
Nyquist, Arthur S., and Kropa.
Padbury, John J., and Kropa.

Kropa, Edward L., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Reaction products of an aldehyde and a triazine derivative. 2,496,097, Jan. 31.

Kropa, Edward L., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Fluorination of polymeric materials. 2,497,046, Feb. 7.

Kropa, Edward L., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Polymers and copolymers of unsaturated triazines. 2,510,503, June 6.

Kropa, Edward L., Old Greenwich, Conn., L. E. Craig, Easton, Pa., and A. S. Nyquist, Cos Cob, Conn., assignors to American Cyanamid Company, New York, N. Y. Porous compositions of matter and their preparation. 2,498,621, Feb. 21.

Kropa, Edward L., Old Greenwich, and A. S. Nyquist, Cos Cob, Conn., assignors to American Cyanamid Company, New York, N. Y. Treatment of protein-containing textile materials and products thereof. 2,499,653, Mar. 7.

Kropa, Edward L., Old Greenwich, and J. J. Roemer, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Tetraazaporphine pigments containing styrene groups, polymers thereof, and their production. 2,513,098. June 27.

Kropa, Edward L., Old Greenwich, and W. M. Thomas, Springdale, Conn., assignors to American Cyanamid Company, New York, N. Y. Compositions comprising an acrylonitrile polymerization product and an oxo-oxazolidine. 2,520,150, Aug. 29.

Kropa, Edward L., Old Greenwich, and W. M. Thomas, Springdale, Conn., assignors to American Cyanamid Company, New York, N. Y. Polymerizable dioxolane compound, products prepared therefrom, and preparation. 2,522,680, Sept. 19.

Kropa, Edward L., Old Greenwich, and J. J. Padbury, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Reaction products of an aldehyde and an amide of perfluorodicarboxylic acid. 2,523,470, Sept. 26.

Kropa, Edward L., Old Greenwich, and J. J. Padbury, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Preparing a reaction product of epsilon-caprolactam and methyl alcohol. 2,524,228, Oct. 3.

Kropa, Edward L., Old Greenwich, and J. J. Padbury, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Preparing reaction products of epsilon-caprolactam and a nitrogenous compound. 2.526,078, Oct. 17.

Kropa, Edward L., Old Greenwich, and J. J. Padbury, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Dimethyl phthalate solution of acetyl peroxide as catalyst for trifluorochloroethylene polymerization. 2,531,134, Nov. 21.

Kropa, Edward L., Old Greenwich, and G. W. Barlow, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Liquid coating compositions. 2,534,717, Dec. 19.

Kropscott, Earle L., Midland, and P. H. Lipke, Midland County, assignors to The Dow Chemical Company, Midland, Mich. Surface treated ethylcellulose articles and making same. 2,494,513, Jan. 10.

Kropscott, Earle L., and P. H. Lipke, Jr., assignors to The Dow Chemical Company, Midland, Mich. Plasticized ethyl cellulose. 2,524,812, Oct. 10.

Krotz, Alvin S., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Dual wheel suspension. 2,506,367, May 2.

Krotz, Alvin S., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Treating rubber springs. 2,531,059, Nov. 21.

Krows, Arthur E., Hastings on Hudson, N. Y. Dissolving slide film projector. 2,503,277, Apr. 11.

Kruck, Ralph E., Springfield, Mass. Applicator for rouge and the like. 2,529,399, Nov. 7.

Kruckenberg, Fred E., Fort Wayne, Ind. Roller transporting device for heavy objects. 2,528,760, Nov. 7.

Kruczek, Andrew, Detroit, Mich. Ball and socket type support. 2,513,027, June 27.

Krueger, Albert A. F., New York, N. Y. Adapter for collapsible tube winding key for varying taper of key. 2,531,060, Nov. 21.

Krueger, Alford T., assignor to Chain Belt Company, Milwaukee, Wis. Sheet metal sprocket chain link and making the same. 2,505,739, Apr. 25.

Krueger, Alfred P., Stratford, assignor to Derby Sealers, Incorporated, Derby, Conn. Moistening device for tape-serving mechanisms. 2,506,673, May 9.

Krueger, Alfred P., Stratford, assignor to Derby Sealers, Incorporated, Derby, Conn. Tape serving mechanism. 2,507,445, May 9.

Krueger, Alfred P., Stratford, assignor to Derby Sealers, Incorporated, Derby, Conn. Tape-dispensing mechanism. 2,507,446, May 9.

Krueger, Alfred P., Stratford, and O. P. Erhardt, assignors to Derby Sealers, Incorporated, Derby, Conn. Tape-dispensing machine. 2,522,047, Sept. 12.

Krueger, Alfred P., Stratford, and O. P. Erhardt, assignors to Derby Sealers, Incorporated, Derby, Conn. Tape-serving device. 2,522,282, Sept. 12.
Krueger, Carl W., South St. Paul, Minn. Display sign. 2,527,679, Oct. 31.
Krueger, Florence R., Santurce, P. R. Protective envelope. 2,508,274, May 16.
Krueger, Frank W., Sarotoga, Calif., assignor to Food Machinery and Chemical Corporation. Method of and apparatus for sealing containers. 2,496,877, Feb. 7.
Krueger, Frank W., assignor to Food Machinery and Chemical Corporation, San Jose, Calif. Container closing machine. 2,527,885, Oct. 31.
Krueger, John, Chicago, R. L. Hayes, McHenry, and R. M. Guthier, assignors to The Edwal Laboratories, Inc., Chicago, Ill. Preparation of symmetrical monoaminodihydroxytoluene. 2,517,496, Aug. 1.
Krueger, Max E., assignee: *See*—
Brumbaugh, Harold C.
Krueger, Raymond R., Mayfield Heights, Ohio. Animal hutch. 2,524,229, Oct. 3.
Krueger, Robert G., Milwaukee, and W. F. Kruke, assignors to West Bend Aluminum Company, Hartford, Wis. Outboard motor tank, engine, and support assembly. 2,501,470, Mar. 21.
Krueger, Theodore H., Stratford, Conn., assignor to Better Packages Incorporated. Tape serving and applying device. 2,501,341, Mar. 21.
Krueger, Theodore H., Stratford, and E. E. Sharpe, Shelton, Conn., assignors to Better Packages Incorporated. Adhesive tape dispenser. 2,530,335, Nov. 14.
Krueger, William H., Harlan, Iowa. Combined bed lamp and alarm clock. 2,527,940, Oct. 31.
Krueger, William H., assignor to Building Equipment Patents Company, Milwaukee, Wis. Facing block secured to a concrete wall. 2,505,676, Apr. 25.
Krug, Louis G., assignor to Chicago Rawhide Manufacturing Company, Chicago, Ill. Seal. 2,505,189, Apr. 25.
Kruger, Michael H., Malden, assignor to A. L. Smith Iron Company, Chelsea, Mass. Starter switch for fluorescent lamps. 2,495,266, Jan. 24.
Kruger, Michael H., Malden, assignor to A. L. Smith Iron Company, Chelsea, Mass. Hanger attachment for lighting fixtures. 2,507,308, May 9.
Krugler, Allen D., Detroit, Mich., assignor to Phillips Petroleum Company. Controlled cycle relief valve. 2,502,525, Apr. 4.
Kruhmin, Edward R., Hamilton, Ontario, Canada. Vapor compression distillation apparatus. 2,515,013, July 11.
Kruke, William F.: *See*—
Krueger, Robert G., and Kruke.
Krumhansl, James A., Rochester, N. Y., assignor to Stromberg-Carlson Company. Pulse transmission system. 2,497,411, Feb. 14.
Krumhansl, James A., Ithaca, N. Y., and H. Goldberg, Washington, D. C., assignors to Stromberg-Carlson Company. Communication system. Re. 23,288, Oct. 24.
Krumlauf, George P.: *See*—
Manning, George K., Rosenthal, and Krumlauf.
Krumwiede, George H., New Hyde Park, N. Y. Beach shade. 2,515,454, July 18.
Krupp, Carroll P.: *See*—
Legullon, Charles W., and Krupp.
Krupp, Carroll P., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Sealing closure. 2,494,249, Jan. 10.
Krupp, Carroll P., Barberton, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Sealing closure. 2,496,878, Feb. 7.
Krupp, Carroll P., Barberton, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Transporting and depositing conveyer. 2,505,677, Apr. 25.
Krupp, Carroll P., Barberton, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. End stop for sealing closure. 2,515,376, July 18.
Krupp, Carroll P., Barberton, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Peripheral closure. 2,521,174, Sept. 5.
Krupp, Carroll P., Barberton, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Dual seal closure. 2,532,724, Dec. 5.
Krupp, Ernest J., East Detroit, Mich. Ball juggling toy. 2,510,403, June 6.
Kruschke, Gustav H., Camp Douglas, Wis. Fuel heater for internal-combustion engines. 2,514,877, July 11.
Kruse, Albert, Los Angeles, Calif. Serving table adjustable and portable. 2,498,428, Feb. 21.
Kruse, Anne T., Ogden, Utah. Baby sleeping garment. 2,521,175, Sept. 5.
Kruse, Edward H., Fort Wayne, Ind. Anchor winch. 2,526,953, Oct. 24.
Kruse, Eugene A., Downers Grove, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Roll forming apparatus. 2,501,607, Mar. 21.
Kruse, Eugene A., Downers Grove, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Article forming apparatus. 2,518,029, Aug. 8.
Kruse, Fred N., assignee: *See*—
Kruse, Frederick P.
Kruse, Frederick P., deceased, Vallejo, Calif., by J. S. Kruse, executrix, assignor of twenty per cent to F. N. Kruse, Albany, Calif., forty per cent to J. S. Kruse, and forty per cent to C. O. Bruce. Torque screw driver or the like. 2,535,293, Dec. 26.
Kruse, Jeannette S., executrix, assignee: *See*—
Kruse, Frederick P.
Kruse, Paul H., and T. W. Rucker, III, assignors to General Plywood Corporation, Louisville, Ky. Apparatus for forming plywood panels. 2,499,959, Mar. 7.
Kruse, Peter, Brooklyn, N. Y. Machine for seaming ends on rectangular and irregularly shaped can bodies. 2,518,910, Aug. 15.
Kruszynski, Edward A., St. Louis, and B. F. Smith, Overland, assignors to Carter Carburetor Corporation, St. Louis, Mo. Coating zinc base alloys. 2,527,828, Oct. 31.
Kryeske, Raymond, Union, N. J. Strip feeding device. 2,528,374, Oct. 31.
Krynitsky, John A.: *See*—
Carhart, Homer W., and Krynitsky.
Ksieski, Kazimierz, Toronto, Ontario, assignor to A. V. Roe Canada Limited. Malton, Ontario, Canada. Underwing refueling system. 2,509,978, May 30.
Ksycki, Mary J.: *See*—
Yntema, Leonard F., and Ksycki.
Kubatzky, Otto, assignee: *See*—
Kubatzky, Woodrow R.
Kubatzky, Otto, assignor to Winco Ventilator Company, St. Louis, Mo. Combined latch and connector. 2,518,992, Aug. 15.
Kubatzky, Otto, St. Louis, Mo. Ventilated window. 2,531,281, Nov. 21.
Kubatzky, Otto, assignor to Winco Ventilator Company, St. Louis, Mo. Window and wall ventilator. 2,535,933, Dec. 26.
Kubatzky, Woodrow R., assignor to O. Kubatzky, St. Louis, Mo. Insertable ventilator for double hung window frames. 2,523,249, Sept. 19.
Kubelka, Karel: *See*—
Werner, Vilém, and Kubelka.
Kubeserian, Hagop H., Woodside, N. Y. Producing gravure printing plates. 2,528,007, Oct. 31.
Kubiak, John J., Brooklyn, N. Y. Clothesline washer. 2,535,428, Dec. 26.
Kubias, Lillian R., Cedar Rapids, Iowa. Turn signaling device. 2,521,857, Sept. 12.
Kubie, William L., Dumont, N. J., and M. Mattikow, New York, N. Y., assignors, by mesne assignments, to B. Clayton, Houston, Tex., doing business as Refining Unincorporated. Temperature control of chemical reactions. 2,519,481, Aug. 22.
Kubik, André A. J., Paris, France. Suppository container and mold. 2,530,127, Nov. 14.
Kubiliunas, Ignas B., Boston, Mass. Curtain rod guide. 2,520,217, Aug. 29.
Kubista, Charles L., Owatonna, Minn. Drinking fount for poultry. 2,501,727, Mar. 28.
Kubricht, John N., Cherokee, Okla. Apparatus for flavoring bakery products. 2,528,233, Oct. 31.
Kucera, Henry T., La Grange, Ill. Temperature controlling apparatus. 2,508,275, May 16.
Kucera, Joseph B.: *See*—
McElhinney, Eric M., and Kucera.
Kucera, Joseph B., Traer, Iowa. Tractor mounted loader attachment. 2,526,954, Oct. 24.
Kucera, Rudolph C., Alhambra, Calif. Sound producing device. 2,497,457, Feb. 14.
Kuchman, Herbert, New York, N. Y. Cutter. 2,501,682, Mar. 28.
Kudd, Rudolph, Passaic, N. J. Fruit-coring implement. 2,493,979, Jan. 10.
Kuderna, Jerome G., Jr.: *See*—
Tawney, Pliny O., and Kuderna, Jr.
Kuderna, Jerome G., Jr., Passaic, N. J., and R. H. Snyder, Chicago, Ill., assignors to United States Rubber Company, New York, N. Y. Interpolymers of fumaric esters and a chlorinated alkene. 2,498,084, Feb. 21.
Kudrikoff, Dimitry S., Scranton, Pa. Self-closing bookrack. 2,534,456, Dec. 19.
Kuebler, Carl J. J., Evansville, Ind. Vertically adjustable back for chairs. 2,509,102, May 23.
Kuebler, Louis E., Berwyn, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Gauge plug and resilient holder. 2,514,956, July 11.
Kuehl, Clifford O., Sandwich, assignor, by mesne assignments, to The James Knights Company, Chicago, Ill. Crystal holder. 2,523,701, Sept. 26.
Kuehl, Hans: *See*—
Shottenfeld, Richard and Kuehl.
Kuehl, Paul, assignee: *See*—
Baade, Henry.
Kuehling, William E., Cleveland, Ohio. Liquid fuel meter for trucks and the like. 2,500,188, Mar. 14.
Kuehlthau, Hugo L., Chicago, assignor to Whiting Corporation, Harvey, Ill. Cupola. 2,513,569, July 4.
Kuehn, Jack W., Minneapolis, Minn. Recovering meal particles from peanut skins. 2,496,009, Jan. 31.
Kuehn, William J., and L. R. Zehnder, Louisville, Ky., assignors, by mesne assignments, to The Weatherhead Company. Slidable type drain cock. 2,506,722, May 9.
Kuehne, Oscar C., San Antonio, Tex. Multichambered gas burner. 2,521,584, Sept. 5.

Kuehnel, William J., Bridgehampton, assignor of one-half to J. G. G. Merrow, New York, N. Y. Sweater construction. 2,493,675, Jan. 3.

Kuehnel, William J., Bridgehampton, assignor of one-half to J. G. G. Merrow, New York, N. Y. Transfer ring. 2,495,585, Jan. 24.

Kuel, Frederick A., Jr., Westfield, and L. Chaiet, Newark, assignors to Merck & Co., Inc., Rahway, N. J. Recovering grisein. 2,505,053, Apr. 25.

Kuellmar, Adolph G., assignor to Union Asbestos & Rubber Co., Chicago, Ill. Power take-off device. 2,495,011, Jan. 17.

Kuemmerlein, Theodore J., and E. F. Wendt, Milwaukee, Wis. Exploding toy. 2,503,877, Apr. 11.

Kuenne, Kuno R., Oconomowoc, assignor to A. J. Lindemann & Hoverson Company, Milwaukee, Wis. Insulating holder for heating units. 2,498,842, Feb. 28.

Kuenstler, Walter E., Cliffside Park, N. J. Piezo electric crystal and condenser combination. 2,508,720, May 23.

Kuentzel, Lester E., assignor to Wyandotte Chemicals Corporation, Wyandotte, Mich. Paint remover composition. 2,507,983, May 16.

Kuentzel, Lester E., assignor to Wyandotte Chemicals Corporation, Wyandotte, Mich. Paint remover composition. 2,507,984, May 16.

Kuentzel, Lester E., assignor to Wyandotte Chemicals Corporation, Wyandotte, Mich. Paint remover composition. 2,507,985, May 16.

Kuert, Bertha T., executrix: *See*— Kuert, Ira J.

Kuert, Ira J., deceased, San Gabriel, Calif.; B. T. Kuert, executrix of said I. J. Kuert. Concrete handling apparatus. 2,523,506, Sept. 26.

Kueummerling, Karl, Canton, Ohio. Saw scabbard. 2,524,110, Oct. 3.

Kufall, Edward G., Cleveland, Ohio. Needle holder. 2,495,586, Jan. 24.

Kuffler, Roland I., Detroit, Mich., assignor to The General Tire and Rubber Company, Akron, Ohio. Method and apparatus for applying preformed bands to tire building drums. 2,517,889, Aug. 8.

Kugler, Herbert W., assignor to Cherry Rivet Company, Los Angeles, Calif. Cutting tool for blind rivets. 2,526,955, Oct. 24.

Kugler, Herbert W., assignor to Cherry Rivet Company, Los Angeles, Calif. Fluid actuated reciprocating tool. 2,526,956, Oct. 24.

Kugler, Joseph, Buffalo, N. Y. Harvester for cabbages and the like. 2,510,474, June 6.

Kugler, Warren E., Minneapolis, Minn. Handkerchief holder. 2,495,012, Jan. 17.

Kuh, Erwin, New Brunswick, N. J., assignor to American Cyanamid Company, New York, N. Y. 2-formylethanes and preparing same. 2,517,526, Aug. 1.

Kuhl, Gerald L., Chester, Minn. Vehicle take-off. 2,533,022, Dec. 5.

Kuhlemeier, Esther L., administratrix: *See*— Kuhlemeier, Herbert H.

Kuhlemeier, Herbert H., deceased, Minneapolis, by E. L. Kuhlemeier, administratrix, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electric motor control apparatus with feedback anti-hunting means. 2,508,640, May 23.

Kuhler, Otto, Blauvelt, assignor to American Car and Foundry Company, New York, N. Y. Folding seat back and washbasin unit. 2,532,237, Nov. 28.

Kuhlik, Hattie B., assignee: *See*— Kuhlik, Jacob M.

Kuhlik, Jacob M., Brooklyn, N. Y., assignor to H. B. Kuhlik, Sea Gates, N. J. Reel. 2,510,475, June 6.

Kuhlik, Jacob M., assignor to H. B. Kuhlik, Sea Gate, N. Y. Sound recording and reproducing apparatus. 2,519,318, Aug. 15.

Kuhlman, Henry J., Waterloo, Iowa. Bracket and supporting attachment for tractors. 2,499,654, Mar. 7.

Kuhlman, Henry J., Waterloo, Iowa. Husk agitator for corn picking machines. 2,527,190, Oct. 24.

Kuhlman, William C., Cincinnati, Ohio, assignor to The Kelley-Koett Manufacturing Company, Covington, Ky. Multiple-contact switch. 2,504,027, Apr. 11.

Kuhlmann, Henry C., Sioux City, Iowa. Portable lever operated tire bead loosener. 2,501,225, Mar. 21.

Kuhlmann, John H., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Synchronous motor. 2,531,518, Nov. 28.

Kuhn, Albert J.: *See*— Alexander, Donald F., Kuhn, and Hornaday.

Kuhn, Carl S., Jr.: *See*— Abrams, Armand J., and Kuhn, Jr.

Kuhn, Clarence W.: *See*— Heller, Herbert E., and Kuhn.

Kuhn, Clarence W., Wauwatosa, assignor to Cutler Hammer, Inc., Milwaukee, Wis. Thermally responsive switching device. 2,498,127, Feb. 21.

Kuhn, Clarence W., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Circuit controlling device. 2,511,640, June 13.

Kuhn, Clarence W., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Protective switch. 2,522,048, Sept. 12.

Kuhn, Clarence W., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Hand or power driving mechanism. 2,525,915, Oct. 17.

Kuhn, Clarence W., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Automatic control switch. 2,530,305, Nov. 14.

Kuhn, Clarence W., and E. W. Seeger, Wauwatosa, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Electric heater controller. 2,495,461, Jan. 24.

Kuhn, Clarence W., Wauwatosa, and T. F. Rosing, Shorewood, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Timing relay. 2,506,225, May 2.

Kuhn, George, Silver Spring, Md. Apparel. 2,511,641, June 13.

Kuhn, George, Silver Spring, Md., assignor to General Motors Corporation, Dayton, Ohio. Laundering. 2,516,327, July 25.

Kuhn, George F., Sinclair, Wyo., assignor to Sinclair Refining Company, New York, N. Y. Apparatus for the regeneration of catalyst for use in the conversion of hydrocarbons. 2,534,778, Dec. 19.

Kuhn, Leroy B., Pottstown, Pa., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Articles composed of crystalline and oriented polymers and copolymers of 2,3-dichlorobutadiene-1,3. 2,514,195, July 4.

Kuhn, Max O., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Container for milk and the like. 2,495,110, Jan. 17.

Kuhn, Paul R., Brentwood, assignor to Ritepoint Co., St. Louis, Mo. Display casing for pencils. 2,502,328, Mar. 28.

Kuhner, Max H., assignor to Riley Stoker Corporation, Worcester, Mass. Fuel burning apparatus. 2,498,761, Feb. 28.

Kuiper, Pieter Nicholaas: *See*— Alma, Gerrit Hendrik Petrus, Knol, Kuiper, Prakke, Strutt, and Van der Ziel.

Kuipers, Minne, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Gas-filled rectifying tube. 2,520,218, Aug. 29.

Kujawa, Clemens W., Cudahy, Wis. Double-acting hinge. 2,511,777, June 13.

Kuka, Kai-Kobad S., assignor to The Tata Iron & Steel Co. Ltd., Jamshedpur, India. Electrically operated overhead traveling crane. 2,509,153, May 23.

Kuklich, Richard J., East Orange, N. J. Food freezer. 2,497,734, Feb. 14.

Kulay, Nicholas, New York, N. Y. Pull chain pendant for lamps. 2,499,594, Mar. 7.

Kulbersh, Nathan, West Haven, assignor to Sargent & Company, New Haven, Conn. Exit lock. 2,505,190, Apr. 25.

Kulcsar, Anton T., South Bend, Ind., and P. Zelmer, Berrien Springs, Mich. Inside caliper with dial and micrometer. 2,502,051, Mar. 28.

Kulczycki, Karol: *See*— Mastriani, Elvin A., and Kulczycki.

Kulczycki, Karol, Jersey City, N. J., and W. Lundgren, Sharon, Mass., assignors, by mesne assignments, to Steel and Alloy Tank Company, Newark, N. J. Bobbin discharge chute. 2,533,120, Dec. 5.

Kuljian, Harry A., Merion, Pa. Apparatus for manufacture or treatment of thread. 2,495,936, Jan. 31.

Kuljian, Harry A., Merion, Pa. Method of and apparatus for drying. 2,501,776, Mar. 28.

Kuljian, Harry A., Merion, Pa. Manufacturing filaments. 2,504,703, Apr. 18.

Kuljian, Harry A. Merion, Pa. Manufacturing synthetic filaments and the like. 2,519,382, Aug. 22.

Kulka, Eugene R., Mount Vernon, N. Y. Holder for gaseous discharge lamps. 2,495,196, Jan. 17.

Kulka, Kurt: *See*— Wachs, Herman, and Kulka.

Kulka, Marshall, Guelph, Ontario, Canada, and H. D. Tate, Woodbridge, Conn., assignors to United States Rubber Company, New York, N. Y. Insecticides. 2,528,151, Oct. 31.

Kull, Francis R., Rockledge, assignor to Standard Pressed Steel Co., Jenkintown, Pa. Reversible ratchet mechanism. 2,505,678, Apr. 25.

Kullmann, Pierre, Paris, France. Tubular case and in particular lipstick case. 2,526,880, Oct. 24.

Kullmer, Frank, Burlingame, and F. Rienecker, assignors to Soulè Steel Company, San Francisco, Calif. Imitation stucco finished metal. 2,507,020, May 9.

Kulp, Harry W., Lancaster, Pa., assignor to K-D Manufacturing Company. Adjustable hacksaw frame. 2,531,135, Nov. 21.

Kulp, Harry W., Lancaster, Pa., assignor, to K-D Manufacturing Company. Valve spring compressor. 2,533,121 Dec. 5.

Kulp, Maurice P., Linwood, Pa., C. D. Vandenburgh, Pearl River, N. Y., and D. C. Chance, Ridley Park, Pa., assignors to American Viscose Corporation, Wilmington, Del. Producing cellulose xanthate. 2,510,984, June 13.

Kumbera, George N., St. Louis, Mo. Thread cutter. 2,535,294, Dec. 26.

Kumins, Charles A.: *See*— Gessler, Albert E., and Kumins.

Kummer, Ernest W., Denver, Colo. Miniature golf game table. 2,510,985, June 13.

Kummer, John, Chicago, Ill. Accordion. 2,504,538, Apr. 18.

Kumpf, George A., Erlton, N. J., assignor to Radio Corporation of America. Shorting plug for diplex transmission lines. 2,531,519, Nov. 28.
Kumpfer, Beverly, Belmar, N. J. Resonant circuit. 2,525,806, Oct. 17.
Kuniansky, Max, assignee: *See*— Carrington, Frank G.
Kunert, George, Humboldt, Iowa. Device for dumping trucks. 2,520,844, Aug. 29.
Kunicki, Joseph, assignor to Arthur Tickle Engineering Works, Inc., Brooklyn, N. Y. Coating roller adjusting mechanism. 2,520,768, Aug. 29.
Kunins, Morris K., Bronx, N. Y. Colored light source. 2,515,236, July 18.
Kunkel, Charles A., New Richmond, Ohio. Cable pulling and tightening device. 2,529,617, Nov. 14.
Kunkel, Elzy O., Mattoon, Ill. Oil saving device. 2,526,957, Oct. 24.
Kunkel, Herman H., Eugene, Oreg. Agricultural creeper and harvester. 5,523,832, Sept. 26.
Kunreuther, Frederick, Houston, Tex., and R. P. Trainer, New York, N. Y., assignors to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons to produce alkyl naphthalenes. 2,526,881, Oct. 24.
Kuntny, Gregor W., Philadelphia, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control instrument. 2,535,429, Dec. 26.
Kuntny, Gregor W., Philadelphia, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control instrument. 2,535,430, Dec. 26.
Kuntz, James L., Bedford, Ohio. Kerchief retainer. 2,516,999, Aug. 1.
Kuntz, William H., Dayton, Ohio. Device for describing curved or straight lines. 2,525,606, Oct. 10.
Kuntz, William H., Dayton, Ohio. Timer-actuator. 2,525,607, Oct. 10.
Kuntz, William H., Dayton, Ohio. Barometric control of time-actuator. 2,525,608, Oct. 10.
Kunz, Bernard P., Denver, Colo. Corrugated structure. 2,501,180. Mar. 21.
Kunz, Eric C., and W. S. Gump, Montclair, N. J., assignors, by mesne assignments, to Sindar Corporation. Germicidal soaps containing halogenated dihydroxy diphenyl methanes. 2,535,077, Dec. 26.
Kunz, William J., Jr., Baltimore, Md., assignor to Bendix Aviation Corporation, South Bend, Ind. Resistance measuring apparatus. 2,504,848, Apr. 18.
Kunze, Walter G., Catonsville, Md. Rubber mold and cutting lubricant. 2,499,028, Feb. 28.
Kunzelman, Herbert A., Oakland, Calif. Cargo-handling elevator. 2,504,206, Apr. 18.
Kunzler, William S., assignor to Robertshaw-Fulton Controls Company, Greensburg, Pa. Control and ignition system for fuel burners. 2,501,850. Mar. 28.
Kuper, Elmer H., Cheyenne, Wyo., assignor of five percent to W. A. E. Mitchell, Greeley, Colo. Mechanical pencil having means for sharpening the lead. 2,512,208, June 20.
Kuper, James B. H., Redding, Conn., and P. A. Cole, Belmont, Mass., assignors, by mesne assignments, to the United States of America, as represented by the Secretary of the Navy. Generator of ultra high frequency oscillations. 2,523,122, Sept. 19.
Kuperus, Jan, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Synchronizing signal separating circuit. 2,493,353. Jan. 3.
Kuperus, Jan, Eindhoven, Netherlands, as assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electron discharge tube alignment means and aligning. 2,514,878, July 11.
Kuperus, Jan, Eindhoven, Netherlands, assignor by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electrical contact device having resiliently mounted contact. 2,518,030. Aug. 8.
Kuperus, Jan, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Selection of first interruption pulse for synchronization of vertical sweep generators. 2,519,911, Aug. 22.
Kuperus, Jan, and H. T. J. Wiegerinck, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Dual voltage power supply. 2,531,282 Nov. 21.
Kuperus, Reinder: *See*— Gusdorf, Frederik H., Poelma, and Kuperus.
Kupiec, Harry P., Paramus, assignor to Air Associates, Incorporated, Teterboro, N. J. Multiflow control valve. 2,500,758, Mar. 14.
Kupjack, Eugene J.: *See*— Hipps, Herbert E., and Kupjack. Ruiz, Alfonso J., and Kupjack.
Kupper, George W., assignee: *See*— Hollinger, Carl J.
Kuppersmith, Fred W., Bloomington, Ill. Gauge for checking external dimensions of circular work. 2,501,130, Mar. 21.
Kupski, Joseph: *See*— Oliver, Conrad J., and Kupski.
Kurek, Francis L., Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Solder analyzer. 2,535,855, Dec. 26.
Kuriloff, Arthur H., Los Angeles, Calif. Latch. 2,499,828, Mar. 7.
Kuriyama, Fred Y., Honolulu, territory of Hawaii. Fountain pen. 2,498,166, Feb. 21.
Kurlash Company, Inc., The, assignee: *See*— Tuttle, William R., and Beldue.
Kurose, Keamon, Seattle, Wash. Simulated racing game apparatus. 2,517,324, Aug. 1.
Kurrash, Chester A.: *See*— Jatkoe, Walter P., and Kurrash.
Kurth, Ervin F., Corvallis, Oreg., assignor to the State of Oregon, acting by and through the Oregon State Board of Forestry. Waxes and their production from wood waste. 2,526,607. Oct. 17.
Kurth, Franz J., assignor to Anemostat Corporation of America, New York, N. Y. Air outlet device. 2,521,636, Sept. 5.
Kurtz, Earl M., and J. B. Houston, Kansas City, Mo. Toolholder for drill presses and the like. 2,521,585, Sept. 5.
Kurtz, George E., Petoskey, assignor of one-half to R. A. Fisher, Plymouth, Mich. Urinal collecting garment. 2,494,477, Jan. 10.
Kurtz, Jacob, Teaneck, N. J., and J. D. Waldie, New York, N. Y., assignors, by mesne assignments, to Sylvania Electric Products, Inc. Weld timer. 2,528,835, Nov. 7.
Kurtz, John, Bethlehem, Pa. Hat or clothes tree. 2,520,414, Aug. 29.
Kurtz, Lowell M., Erie, Pa., assignor to General Electric Company. Control arrangement for refrigerating systems. 2,531,136, Nov. 21.
Kurtz, Lowell M., Erie, Pa., assignor to General Electric Company. Air circulating arrangement for refrigerators. 2,532,816, Dec. 5.
Kurtz, Paul H., Elmhurst, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Welded metal reel. 2,521,922, Sept. 12.
Kurtz, Peter, Laverkusen-Bayerwerk, Germany; vested in the Attorney General of the United States. Catalytic process for the preparation of acrylic acid nitrile. Re. 23,265, Sept. 5.
Kurtz, Stewart S., Jr., Merion, assignor to Sun Oil Company, Philadelphia, Pa. Butadiene-styrene copolymer tackified with isoolefin-diolefin-styrene copolymer. 2,497,458, Feb. 14.
Kurtz, Stewart S., Jr., Merion, assignor to Sun Oil Company, Philadelphia, Pa. Copolymer products. 2,513,183, June 27.
Kurtzon, George B., Chicago, Ill., assignor to Garden City Plating & Manufacturing Co. Sliding door support. 2,527,740, Oct. 31.
Kurzweil, Robert: *See*— Casella, Secondo L., Kurzweil, and Pesqueira.
Kurzweil, Robert, and J. J. Pesqueira, New York, assignors to Morey Machinery Co., Inc., Astoria, N. Y. Lathe. 2,526,487, Oct. 17.
Kusch, Polykarp, New York, N. Y., assignor to the United States of America as represented by the Secretary of War. Tunable magnetron. 2,508,576, May 23.
Kusch, William J.: *See*— Hartwell, Sidney J., and Kusch.
Kusher, Hyman, New York, and E. Weimann, Jamaica, N. Y. Garment hanger. 2,494,711, Jan. 17.
Kushner, Albert: *See*— Evans, Quentin J., and Kushner.
Kushner, Samuel: *See*— Cook, Elmer W., and Kushner.
Kushner, Samuel, Nanuet, and V. K. Smith, Jr., Pearl River, assignors to American Cyanamid Company, New York, N. Y. Sulfanilyl piperazines and preparing same. 2,535,934. Dec. 26.
Kuskey, Rude, Michigan City, Ind. Backup trap. 2,502,158, Mar. 28.
Kuslich, John S.: *See*— Guggisberg, Basil A., and Kuslich.
Kusterer, Harold A.: *See*— Proctor, Austin, and Kusterer.
Kusto, Thaddeus J.: *See*— McCoy, Rawley D., and Kusto.
Kustra, Peter A., St. Louis, Mo. Electrical recording device. 2,510,747, June 6.
Kutcher, Louis E., New York, N. Y. Footwear having replaceable uppers. 2,510,236, June 6.
Kutchera, Harvey W., Wauwatosa, Wis. Fireplace grate having upwardly swingable means. 2,519,482, Aug. 22.
Kutchukian, Nourhan, Bois-Colombes, France. Device for sensing indicating panels as used in planning, dispatching, and the like. 2,508,116. May 16.
Kuther, Max K., Monterey, Calif. Fish cleaning apparatus. 2,498,993, Feb. 28.
Kutik, William R., Jr., West Milford, assignor to P. P. Clark, Fairlawn, N. J. Folding plastic book cover. 2,533,590. Dec. 12.
Kuril, Clyde R., Chicago, assignor to Atwood Vacuum Machine Company, Rockford, Ill. Bicycle stabilizer attachment. 2,527,431, Oct. 24.
Kutner, Abraham: *See*— Hershberg, Emanuel B., and Kutner.
Kuttner, Julius, Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Engine manifold construction. 2,494,947, Jan. 17.

Kutz, Arthur O., Buffalo, N. Y., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Valve gear for operating poppet valves of internal-combustion engines. 2,521,176, Sept. 5.

Kutz, Walter M.: *See*—
Orochena, Salvador F., and Kutz.

Kutz, Walter M., assignor to Koppers Company, Inc., Pittsburgh, Pa. Prduction of beta-ethylnaphthalene. 2,515,237, July 18.

Kutzler, Robert J., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Aircraft control apparatus. 2,525,038, Oct. 10.

Kutzler, Robert J., and T. J. Wilson, assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control apparatus. 2,515,349, July 18.

Kuyler, Benjamin H., Bronx, N. Y. Musical holder for removable articles. 2,501,822, Mar. 28.

Kuzma, Joseph, Bellmore, N. Y. Door lock. 2,494,478, Jan. 10.

Kuzmitz, Frank V.: *See*—
Reek, Royal J., and Kuzmitz.

Kvalnes, Donovan E., Penns Grove, and B. G. Carson, Woodstown, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Chromiferous monazo dyes and manufacturing same. 2,508,404, May 23.

Kvalnes, Donovan E., Penns Grove, and C. Walling, Montclair, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Insoluble copper complexes of monazo compounds. 2,517,890, Aug. 8.

Kvetinskas, Bruno: *See*—
Pines, Herman, and Kvetinskas.

Kwartler, Charles E., Albany, and P. Lucas, Menands, N. Y., assignors to Sterling Drug Inc., Wilmington, Del. 4-quinolyl amino compounds and their preparation. 2,530,125, Nov. 14.

Kwartler, Charles E., Albany, and P. Lucas, Menands, N. Y., assignors to Sterling Drug Inc., Wilmington, Del. 2-(tertiary-aminoalkyl)-2-(substituted-phenyl) ethylamines. 2,530,126, Nov. 14.

Kwasniewski, Thadious R., Elmwood Park, Ill. Metal candle. 2,503,496, Apr. 11.

Kwik-Arc, Inc., assignee: *See*—
Adams, Albert H.

Kwikform Limited, assignee: *See*—
Hawes, Albert H.

Kwikset Locks, Inc., assignee: *See*—
Schoepe, Adolf.

Kwitek, Edwin M., assignee.: *See*—
Kwitek, George M.

Kwitek, George M., assignor of one-half to E. M. Kwitek and one-quarter to R. J. Pech, Green Bay, Wis. Paper winding machine sealing mechanism. 2,512,900, June 27.

Kyame, George J., New Orleans, La., assignor to the United States of America as represented by the Secretary of Agriculture. Method of and apparatus for preparation and distribution of sizing materials. 2,516,884, Aug. 1.

Kyle, Enos W., Melville, Saskatchewan, Canada. Washing machine drive. 2,521,983, Sept. 12.

Kyle, William D., Jr., Milwaukee, and A. Van Ryan, South Milwaukee, Wis., assignors to McGraw Electric Company. Circuit interrupter. 2,519,055, Aug. 15.

Kylemo, Folke: *See*—
Holmberg, Folke, and Kylemo.

Kymin Osakeyhtio-Kymmene Aktiebolag, assignee: *See*—
Sevón, Johan W., and Sundman.

Kyrides, Lucas P., assignor to Monsanto Chemical Company, St. Louis, Mo. Manufacture of phosphoric acid esters. 2,510,033, May 30.

Kyrides, Lucas P., Zeeland, Mich., assignor to Monsanto Chemical Company, St. Louis, Mo. Esters of 2-hydroxycyclohexanone. 2,504,135, Apr. 18.

Kyrides, Lucas P., and F. B. Zienty, St. Louis, Mo., and R. W. Stephenson, Seattle, Wash., assignors to Monsanto Chemical Company, St. Louis, Mo. Sulfa derivatives of 2-amino-5-alkenyl-1,3,4-thiadiazoles. 2,511,371, June 13.

Kyrides, Lucas P., and F. B. Zienty, assignors to Monsanto Chemical Company, St. Louis, Mo. Thenyl esters and miticide compositions containing the same. 2,519,383, Aug. 22.

Kyrides, Lucas P., F. B. Zienty, and G. W. Steahly, assignors to Monsanto Chemical company, St. Louis, Mo. 2-amino-5-benzyl-1,3,4-thiadiazole and acid salts thereof. 2,524,729, Oct. 3.

Kyrides, Lucas P., St. Louis, and D. G. Sheets, Lemay, assignors to Monsanto Chemical Company, St. Louis, Mo. Alpha phenyl chloride from hydrogen chloride-formaldehyde solution and thiophene. 2,527,680, Oct. 31.

Kysor Heater Company, assignee: *See*—
Kysor, Walter A.

Kysor, Walter A., assignor to Kysor Heater Company, Cadillac, Mich. Thermostatic control valve. 2,512,548, June 20.

L F C Corporation, assignee: *See*—
Crumrine, Chester W.

L. G. S. Spring Clutch Corporation, assignee: *See*—
Gleeson, William W.
Nance, Keith L., and Chance.
Pepper, Carl P.

L. L. H. Company, assignee: *See*—
Rouy, Auguste L. M. A.

L & S Manufacturing Co., assignee: *See*—
Shelley, Starr W.

Laakso, Thomas T. M.: *See*—
Kenyon, William O., Unruh, and Laakso.

Laas, Eugene D., New Haven, assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn. Seal. 2,515,410, July 18.

Laase, Charles A., Genoa, assignor to The Timken Roller Bearing Company, Canton, Ohio. Knurling broach. 2,530,066, Nov. 14.

La Barre, Dwight, Detroit, Mich., assignor to Borg-Warner Corporation, Chicago, Ill. Bathtub drain and sump. 2,510,023, May 30.

La Barre, Dwight, Detroit, Mich., assignor to Borg-Warner Corporation, Chicago, Ill. Seal for bathtub bases. 2,526,883, Oct. 24.

La Barre, Dwight, Yonkers, and L. Keller, Tuckahoe, N. Y., assignors to Borg-Warner Corporation, Chicago, Ill. Sliding cover for ranges. 2,514,133, July 4.

Labby, Leon, Franiere, Belgium, and P. Bousseau, Thourotte, France, assignors, by mesne assignments, to Pilkington Brothers Limited, Liverpool, England. Apparatus for grinding or polishing flat glass. 2,508,863, May 23.

Labensky, Boris P., Milford, assignor to United Aircraft Corporation, East Hartford, Conn. Trilobe float. 2,493,296, Jan. 3.

Labiche, Sidney H., assignor of one-half to Acadian Business Corporation, New Orleans, La. Flushing tank. 2,502,262, Mar. 28.

Labin, Emile: *See*—
Chevigny, Paul G., and Labin.
Grieg, Donald D., and Labin.

Labin, Emile, New York, D. D. Grieg, and A. M. Levine, Forest Hills, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Radio locating and signaling system. 2,495,737, Jan. 31.

Labin, Emile, New York, and D. D. Grieg, Forest Hills, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Cathode-ray pulse time modulation multiplex system. 2,495,738, Jan. 31.

Labin, Emile, New York, and D. D. Grieg, Forest Hills, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Selectable band width electrical pulse multichannel communication system. 2,495,739, Jan. 31.

Labin, Emile, New York, and D. D. Grieg, Forest Hills, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Magnetostrictive time-delay device. 2,495,740, Jan. 31.

Labin, Emile, and M. C. Poylo, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Periodically varying reactance device. 2,495,741, Jan. 31.

Labin, Emile, New York, and D. D. Grieg, Forest Hills, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Radio broadcasting system. 2,509,237, May 30.

Labin, Emile, New York, and D. D. Grieg, Forest Hills, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Demodulator system. 2,513,335, July 4.

Labin, Emile, New York, and D. D. Grieg, Forest Hills, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Relay system. 2,516,885, Aug. 1.

Labin, Emile, New York, and D. D. Grieg, Forest Hills, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Cathode-ray tube modulator. 2,516,886, Aug. 1.

Labin, Emile, assignor to International Standard Electric Corporation, New York, N. Y. Coupling means between radio stages. 2,523,311, Sept. 26.

Labino, Dominick, Maumee, assignor to Glass Fibers, Inc., Waterville, Ohio. Electric glass furnace. 2,523,030, Sept. 19.

La Bour, Harry E., Elkhart, Ind. Automatic return flow control valve. 2,532,067, Nov. 28.

Labour, Jean P., Washington, D. C., assignor to The Gasoline Research Industrial & Commercial Company, Inc., Panama, Republic of Panama. Extracting liquid hydrocarbons from solids and apparatus therefor. 2,515,126.

Laboratoire Sapos S. A., assignee: *See*—
Frommel, Edouard.

Laboratoires Medial S. A., assignee: *See*—
Cohen, Heinrich.

Laboratoires Radioelectriques, assignee: *See*—
Berman, Léon M.

Laboratories, E. A., Inc., assignee: *See*—
Auñero, John M.

Laboratory Furniture Company, Inc., assignee: *See*—
Liptay, John M.

La Brie, Ludger E., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Clutch. 2,493,721, Jan. 3.

La Brie, Ludger E., assignor to Hydraulic Brake Company, Detroit, Mich. Master cylinder. 2,527,886, Oct. 31.

La Brie, Ludger E., assignor to Hydraulic Brake Company, Detroit, Mich. Braking system for motor vehicles. 2,532,670, Dec. 5.

La Brie, Ludger E., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Clutch. 2,534,033, Dec. 12.

La Brie, Ludger E., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Clutch. 2,534,034, Dec. 12.
Labunde, Arthur R., Marlboro, N. J. Fishhook. 2,526,240, Oct. 17.
La Burthe, Pierre H., and R. E. Lambert, assignors to Societe Anonyme des Manufactures des Glaces et Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France. Electrode seal for glass furnaces. 2,526,241, Oct. 17.
La Cellophane, assignee: *See*—
Brandenberger, Jacques E.
Cherigié, Pierre.
Vanet, Paul.
Veyret, Louis, and Vanet.
Lacene Manufacturing Corporation, assignee: *See*—
Carnes, Herbert W.
Laceulle, Clement R. J., The Hague, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Adjustable pitch polyphase induction motor. 2,500,365, Mar. 14.
Lacey, Bernard W. D., Birmingham, and H. R. Willcocks, Cheslyn Hay, near Walsall, assignors to Dunlop Rubber Company Limited, London, England. Resilient wheel for vehicles. 2,511,922, June 20.
Lacey, Edward H., Sioux Falls, S. Dak. Hydraulic loader for tractors. 2,511,439, June 13.
Lach, John, Chicago, Ill., assignor to Uarco Incorporated. Apparatus for coating paper with carbon wax. 2,529,699, Nov. 14.
La Chapelle, Albert L., assignee: *See*—
La Chapelle, Euclid I.
La Chapelle, Beatrice II., assignee: *See*—
La Chapelle, Euclid I.
La Chapelle, Euclid I., Brockton, Mass., assignor of one-fourth to A. L. La Chapelle, one-fourth to B. H. La Chapelle, and one-fourth to R. E. La Chapelle. Shoe with a filler. 2,523,702, Sept. 26.
La Chapelle, Rachel E., assignee: *See*—
La Chapelle, Euclid I.
Lachapelle, Rolland, Hull, Quebec, Canada. Valve operating means for waxing and like devices. 2,509,568, May 30.
Lachatre, Louis, La Ferte-Alais, France. Spring nut lock. 2,534,035, Dec. 12.
Lachowicz, Gene, Detroit, Mich. Trailer hitch guard. 2,497,362, Feb. 14.
Lack, Sydney W., Waverley, near Sydney, New South Wales, Australia. Reducing valve mechanism. 2,521,637, Sept. 5.
Lacks, George, Larchmont, N. Y. Making seamless panties. 2,511,720, June 13.
Laclede-Christy Company, assignee: *See*—
Weber, Herman W., and Williamson.
La Coeur Company, assignee: *See*—
Miller, Harry C.
Lacore, Ernest H., Torrington, Conn. Chiropodist's waste receptacle. 2,519,771, Aug. 22.
La Coste and Romberg, assignee: *See*—
Goetsch, Arnold H.
La Cour, Edgar J., assignor to Orchard Paper Company, St. Louis, Mo. Apparatus for folding paper sheets. 2,493,410, Jan. 3.
Lacout, Georges A., assignor to Societe Civile d'Etudes pour la Fabrication de Produits Industriels Manufactures (S. E. P. I. M.), Paris, France. Vegetable chopper. 2,507,571, May 16.
La Croix Optical Company, assignee: *See*—
Miles, John R.
La Cross, James, Shamokin, Pa. Apparatus for cleaning and flushing automobile radiators and the like. 2,510,701, June 6.
Ladd, Elbert C., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Ketones by catalytic reaction of olefins with aldehydes. 2,517,684, Aug. 8.
Ladd, Elbert C., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Preparation of ketones by catalytic reaction of diolefins with aldehydes. 2,517,685, Aug. 8.
Ladd, Elbert C., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Adducts of para-chlorobenzene-sulfonyl halides and lower alkylene esters and preparing the same. 2,521,068, Sept. 5.
Ladd, Elbert C., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Production of ketoesters. 2,533,944, Dec. 12.
Ladd, Elbert C., Passaic, and J. R. Little, Woodridge, N. J., assignors to United States Rubber Company, New York, N. Y. 2-chloro-2-(3-cyclohexenyl) ethyl dichlorophosphine. 2,510,699, June 6.
Ladd, Elbert C., Passaic, and H. Sargent, Glen Rock, N. J., assignors to United States Rubber Company, New York, N. Y. Producing esters of omega, omega, omega-trihalo aliphatic carboxylic acids. 2,515,306, July 18.
Ladd, Horace F.: *See*—
Christian, Moss B., and Ladd.
Ladd, Parks R., Junction City, Ky. Lifting gate latch. 2,493,881, Jan. 10.
Ladder Hook Company, assignee: *See*—
Glandville, Daniel E.
Laddon, Isaac M., and T. P. Hall, San Diego, Calif. Bomb handling means. 2,520,317, Aug. 29.
Ladge, Morris, Newton, Mass. Bulk dispensing cabinet for popcorn and the like. 2,529,877, Nov. 14.
Ladish Drop Forge Co., assignee: *See*—
Keller, William F.
Lado, Anthony L., Rome, N. Y., assignor, by mesne assignments, to The Union Fork & Hoe Company, Columbus, Ohio. Mechanism for road graders. 2,497,778, Feb. 14.
Lador, Inc., assignee: *See*—
Loeffler, Fritz.
Ladrach, Aaron G., deceased, by D. B. Ladrach, administratrix, Akron, Ohio, assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn. Electromagnetic precision measuring gauge. 2,522,877, Sept. 19.
Ladrach, Dorothy B., administratrix: *See*—
Ladrach, Aaron G.
Ladue, Robert, Minneapolis, Minn. Automobile water heater. 2,508,721, May 23.
Laeser, Phillip B., Wauwatosa, assignor to The Journal Company, Milwaukee, Wis. Method and apparatus for satellite broadcasting. 2,517,891, Aug. 8.
Lafarge, Bernard N., Sevres, France. Closure device. 2,510,824, June 6.
Lafferty, James M., Schenectady, N. Y., assignor to General Electric Company. High-frequency detection and measurement device. 2,496,879, Feb. 7.
Lafferty, James M., Schenectady, N. Y., assignor to General Electric Company. Dispenser type cathode. 2,499,192, Feb. 28.
Lafferty, James M., Schenectady N. Y., assignor to General Electric Company. Ultra high frequency electron discharge device. 2,508,346, May 16.
Lafferty, James M., Schenectady, N. Y., assignor to General Electric Company. Tunable ultra high frequency tube with reflector electrode. 2,523,031, Sept. 19.
Lafferty, James M., Schenectady, and A. H. Sharbaugh, Scotia, N. Y., assignors to General Electric Company. Apparatus for analyzing fluids by microwave absorption. 2,532,817, Dec. 5.
Lafferty, Robert H.: *See*—
Hibshman, Henry J., and Lafferty.
Lafforthun, Louis, Schenectady, N. Y. Arranger for carbon and typewriter paper. 2,520,367, Aug. 29.
Laffrey, Samuel A. and Stanley A., Detroit, Mich. Adjustable chimney spark arrester. 2,505,123, Apr. 25.
Laffrey, Stanley A.: *See*—
Laffrey, Samuel A.
Lafitte, Theodore: *See*—
Bruet, Henri R., and Lafitte.
La Flamme, Louis D., Bridgeport, Conn., assignor to General Electric Company. Tuning mechanism. 2,523,032, Sept. 19.
Lafont, Jean, Saint-Chamond, assignor to Compagnie des Forges et Acieries de la Marine et d'Homecourt, Paris, France. Forging apparatus. 2,535,295, Dec. 26.
La Freniere, Anthony H., assignor to La Freniere Research Corporation, North Adams, Mass. Shuttle box for looms. 2,501,394, Mar. 21.
La Freniere Research Corporation, assignee: *See*—
La Freniere, Anthony H.
Lagarde, John B., Anniston, Ala. Machine for making concrete blocks. 2,513,028, June 27.
Lage, Claire B., Piqua, Ohio, assignor to Daka Paper Company, Erie, Pa. Nursing bottle cap. 2,525,360, Oct. 10.
Lager, Eric W., Palos Park, J. J. Prohaska, Palos Heights, and H. E. Haase, Chicago, Ill., assignors, by mesne assignments, to Swift & Company. Method and mechanism for closing fiber containers with a lined closure. 2,531,914, Nov. 28.
Lager, Fred: *See*—
Taylor, Edward C., Hoppman, II, and Lager.
Taylor, Edward C., and Lager.
Lageson, Arnold J.: *See*—
Hall, Edward F., and Lageson.
La Grande, Vito, Westfield, N. J. Railroad switch. 2,496,098, Jan. 31.
Laher, Frank J., Orinda, and C. F. Kelleher, Huntington Park, assignors to Lasco Brake Products Corp., Oakland, Calif. Molded brake lining. 2,534,607, Dec. 19.
Laher Spring and Tire Corporation, assignee: *See*—
Clary, Harry B.
Lahey, Richard W., New Rochelle, assignor to American Cyanamid Company, New York, N. Y. Carboy package construction. 2,515,127, July 11.
Lahmeyer, John D.: *See*—
Callahan, John T., and Lahmeyer.
Lahner, Sherman A., Milwaukee, Wis. Label-stitching machine. 2,525,916, Oct. 17.
Lahr, David L., and A. Schwitalla, St. Cloud, Minn. Front view mirror for vehicles. 2,534,135, Dec. 12.
La Hue, Phillip M.: *See*—
Heuschkel, Julius, and La Hue.
La Hue, Philip M., Denver, Colo., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Ignitor firing circuit. 2,495,171, Jan. 17.
Laichee, Jhong, Toronto, Ontario, Canada. Cigarette rest. 2,526,488, Oct. 17.
Laidler, Douglas S.: *See*—
Haywood, Frederick W., and Laidler.
Laidley, Clarence D., Los Angeles, Calif. Liquid and gas separator. 2,511,351, June 13.
Laier, Joseph K., Kansas City, Mo. Bottle carrier. 2,532,725, Dec. 5.

Laiho, Jalmer M., Skokie, assignor to Felt & Tarrant Manufacturing Company, Chicago, Ill. Electrical circuit controller. 2,494,181, Jan. 10.

Laing, Charles W., Spokane, Wash. Heel size selector. 2,535,296, Dec. 26.

Laing, Gordon F.: *See*—
Gibbs, Thomas B., Gilman, and Laing.
Gibbs, Thomas B., Laing, and Warmey.

L'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procedes Georges Claude, assignee: *See*—
Etienne, Alfred.

Laird, Alfred W.: *See*—
Kagi, Walter W., and Laird.

Laird, John A., Coventry, assignor to Joseph Lucas Limited, Birmingham, England. Spark ignition system for internal-combustion prime movers. 2,503,054, Apr. 4.

Laisné, Eugene W., Fresno, Calif. Ophthalmic lens protractor. 2,518,796, Aug. 15.

La Joie, Lorraine H., and J. J. Ortalli, Fairfield, Conn. Disposable dressing mask. 2,507,447, May 9.

Lajoie, Louis J., Belleville, and T. F. Rosinski, Elizabeth, N. J. Bird feeder. 2,532,726, Dec. 5.

Lake Chemical Company, asssignee: *See*—
Rowe, Percy J.

Lake, Clair D.: *See*—
Pfaff, Wesley, Lake, and Fiehl.

Lake, Ernest T., assignee: *See*—
Hardgrove, Robert R.

Lake, Francis G.: *See*—
Rinne, John, Ashton, Nallard and Lake.

Lake, Francis G., assignor to The M. W. Kellogg Company, New York, N. Y. Multisection crankshaft. 2,496,397, Feb. 7.

Lake, Francis G., New York, N. Y., and E. H. Ashton, assignors to The M. W. Kellogg Company, Jersey City, N. J. Pick shaft assembly. 2,493,631, Jan. 3.

Lake, Francis G., New York, N. Y., and E. H. Ashton, assignors to The M. W. Kellogg Company, Jersey City, N. J. Harness guide. 2,510,404, June 6.

Lake, George R., and J. M. Stribley, Long Beach, assignors to Union Oil Company of California, Los Angeles, Calif. Azeotropic distillation of ethyl alcohol from methyl ethyl ketone. 2,528,761, Nov. 7.

Lake, Robert E.: *See*—
Morgenstern, Charles E., and Lake.

Lake Shore Engineering Company, assignee: *See*—
Conrad, Horton.

Lakeside Bridge & Steel Co., assignee: *See*—
Hoover, Burt E.

Lakeside Laboratories Inc., The, assignee: *See*—
Foreman, Emanuel L., and Stork.

Lake State Products, Inc., assignee: *See*—
Hollerith, Charles.

Lakey, Arthur B., assignor to Kingsbury Machine Works, Inc., Philadelphia, Pa. Thrust bearing. 2,507,021, May 9.

Láki, Kálman: *See*—
Szent-Gyorgyi, Albert, Láki, and Gerendás.

Lakomski, Stella, assignee: *See*—
Kalisz, Steve.

Lakota, Stanley J., Pittsburgh, and T. E. Rudiselle, Greensburg, Pa., assignors to Robertshaw-Fulton Controls Company. Electric igniter for gaseous fuel. 2,530,827, Nov. 21.

Lakso, Eino E.: *See*—
Von Hofe, George W., Lakso, and Chandler.

Lalande, Marc A.: *See*—
Katchatouroff, Leon, and Lalande.

La Lande, William A., Jr., Upper Darby, assignor to Porocel Corporation, Philadelphia, Pa. Refining sugar solutions. 2,495,334, Jan. 24.

La Lande, William A., Jr., Upper Darby, and H. Green, assignors to The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Setting and expanding agents for resins. 2,493,075, Jan. 3.

Lalanne, Edmond, and P. Grandjean, Marseilles, France. Run repairing needle. 2,528,762, Nov. 7.

Lally, Thomas F., Hamburg, N. Y., assignor to Republic Steel Corporation, Cleveland, Ohio. Molten metal temperature indicator. 2,523,471, Sept. 26.

Lalonde, Eugene P., Val d'Or, Quebec, Canada. Hydraulic clutch. 2,524,389, Oct. 3.

La Mar, Caleb H.: *See*—
Coleman, Ralph M., La Mar, and Robertson.

Lamar, Charles C.: *See*—
Harper, Philip S., Lamar, and Peterson.

Lamar, Charles C., assignor, by mesne assignments, of one-fourth to P. S. Harper, one-fourth to C. L. Harper, Chicago, Ill., one-fourth to Harris Trust and Savings Bank, as trustee for The Philip S. Harper Trust, one-fourth to said Harris Trust and Savings Bank, as trustee for the Carolyn L. Harper Trust. Support for gas burner ignition flash tubes. 2,518,911, Aug. 15.

Lamar Slide Fastener Corp., assignee: *See*—
Natzke, Alfred G.

La Marca, Louis J., Portsmouth, N. H. Detecting equipment. 2,533,820, Dec. 12.
Natzke, Alfred G., Willetts, and Frykberg.

Lamarthe, Alfred E., Paris, France, assignor to Fa-Clle Fastener Corporation, New York, N. Y. Closure for receptacles. 2,529,878, Nov. 14.

Lamb, Anson C., Cleveland, Ohio. Burial casket. 2,518,558, Aug. 1.

Lamb, Anthony H., Hillside, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Contact arm for self-resetting magnetic contact relays. 2,494,622, Jan. 17.

Lamb, Anthony H., Hillside, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Electrical relay. 2,510,700, June 6.

Lamb, Anthony H., Hillside, N. J. Hygrometer. 2,512,234, June 20.

Lamb, Anthony H., Hillside, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Sealed adjuster for electrical measuring instruments. 2,513,184, June 27.

Lamb, Anthony H., Hillside, N. J. Magnetic probe. 2,517,325, Aug. 1.

Lamb, Anthony H., Hillside, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Free air thermometer. 2,525,361, Oct. 10.

Lamb, Anthony H., Hillside, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Threaded self-locking device. 2,529,343, Nov. 7.

Lamb, Anthony H., Hillside, and E. M. Eadie, Jr., Westfield, assignors to Weston Electrical Instrument Corporation, Newark, N. J. Contact making thermometer. 2,502,159, Mar. 28.

Lamb & Chapin, Incorporated, assignee: *See*—
Lamb, Clyde K.

Lamb, Charles, South Pasadena, assignor to Zelam Rubber Cement Plug Co., Los Angeles, Calif. Core extractor. 2,529,027, Nov. 7.

Lamb, Chester R., assignor of one-half to G. W. Alexander, Richmond, Ind. Wallpaper pasting and trimming machine. 2,502,796, Apr. 4.

Lamb, Clyde K., assignor to Lamb & Chapin, Incorporated, Cleveland, Ohio. Obstruction lighting structure. 2,498,556. Feb. 21.

Lamb, Francis X., East Orange, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Filar gearing. 2,502,160, Mar. 28.

Lamb, Francis X., East Orange, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Electrical measuring instrument. 2,515,014, July 11.

Lamb, Francis X., East Orange, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Concentric indicator, filar geared electrical measuring instrument. 2,517,216, Aug. 1.

Lamb, Harry, Madison, Wis., assignor to C. M. Ambrose Co., Inc., Seattle, Wash. Mechanism for straining paint and the like. 2,532,560, Dec. 5.

Lamb, Roy A., assignor to Merla Tool Corporation, Dallas, Tex. Pump anchoring device. 2,496,546, Feb. 7.

Lamb, Thomas, New York, N. Y. Handle. 2,493,764, Jan. 10.

Lambach, Fritz, Tenafly, assignor to Robert Reiner, Inc., Weehawken, N. J. Pattern mechanism of knitting machines. 2,528,524, Nov. 7.

Lambelet, Lucien, and W. Jaeck, assignors to Ciba Limited, Basel, Switzerland. Intaglio ink. 2,498,812, Feb. 28.

Lambert Brake Corporation, assignee: *See*—
Lambert, Homer T.
Myers, Claude R., and Dasse.

Lambert, Francis M., Narbeth, assignor to Heintz Manufacturing Company, Philadelphia, Pa. Door latch structure. 2,493,882, Jan. 10.

Lambert, Francis M., Narbeth, assignor to Heintz Manufacturing Company, Philadelphia, Pa. Handle retaining structure for doors. 2,493,980, Jan. 10.

Lambert, Francis M., Narberth, assignor to Heintz Manufacturing Company, Philadelphia, Pa. Interlock for quick fastening doors. 2,500,000, Mar. 7.

Lambert, George, New York, N. Y. Closure for container covers. 2,527,191, Oct. 24.

Lambert, Harrison R.: *See*—
Watson, Harold M., and Lambert.

Lambert, Harry L., East Rochester, N. Y., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Calculating machine fractional keyboard control mechanism. 2,501,447, Mar. 21.

Lambert, Homer T., assignor to Lambert Brake Corporation, St. Joseph, Mich. Cam actuated disk brake. 2,526,143, Oct. 17.

Lambert, Joseph M.: *See*—
Busse, Warren F., Lambert, and Debye.

Lambert, Marion L. J., assignee: *See*—
Burgess, Archibald R.
Grow, Joseph A., Jr.
Thompson, Parke H.

Lambert, Nelson E.: *See*—
Scheffer, Harry C., and Lambert.

Lambert, Parley F., Arlington, Va. Ammunition packing device. 2,494,564, Jan. 17.

Lambert, Roger E.: *See*—
Crochet, Pierre, and Lambert.
La Burthe, Pierre, and Lambert.

Lambert, William J., North Hollywood, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind. Combined radio and intercommunication system. 2,496,398, Feb. 7.

Lamberton, Ralph E., assignor to The Jaeger Machine Company, Columbus, Ohio. Compressor. 2,500,366, Mar. 14.

Lamberty, Frederick R., Rockville Centre, N. Y., and F. D. Nitterauer, Minneapolis, Minn.; said Lamberty assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., and said Nitterauer assignor to American Telephone and Telegraph Company. Combined telephone and paging system. 2,496,629, Feb. 7.

Lamberty, Frederick R., Rockville Centre, A. S. Martins, New Hyde Park, and W. T. Wichman, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Automatic telephone systems involving prepayment telephone lines. 2,533,476, Dec. 12.

Lambly, Charles A. R., and L. Kinney, Metaline Falls, Wash. Drill carriage. 2,505,331, Apr. 25.

Lamborn, Bayard T., Matawan, N. J., assignor to Hercules Powder Company, Wilmington, Del. Manufacture of carboxyalkyl cellulose. 2,513,807, July 4.

Lambourne, Sidney V., Salt Lake City, Utah. Applicator. 2,521,122, Sept. 5.

Lambrakos, Peter G., New York, N. Y. Thread-chasing tool. 2,504,539, Apr. 18.

Lamkin, Elver B. and J. H., assignors to Lamkin Leather Company, Chicago, Ill. Handle grip. 2,513,655, July 4.

Lamkin, Joseph H.: *See*—
Lamkin, Elver B. and J. H.

Lamkin Leather Company, assignee: *See*—
Lamkin, Elver B. and J. H.

Lamkin, Russell J., Kalamazoo, Mich. Gauge for determining the throw of crankshafts. 2,522,283, Sept. 12.

Lamm, Ake M., Luton, England, assignor to Aktiebolaget Svenska Kullagerfabriken, Goteborg, Sweden. Mounting for antifriction bearings. 2,521,638, Sept. 5.

Lamm, Uno: *See*—
Elmlund, Hugo, and Lamm.

Lamm, Uno, Ludvika, assignor to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Protecting inverters against disturbances. 2,532,107, Nov. 28.

Lamm, Uno, Ludvika, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Static current converter with means for putting it out of function. 2,532,108, Nov. 28.

Lamm, Uno, Ludvika, assignor to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Putting inverters out of and into function. 2,534,036, Dec. 12.

Lamm, Uno, and H. Forssell, Ludvika, Sweden, and J. Hansen, Milwaukee, Wis., assignors to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Variable current transformer system. 2,514,452, July 11.

Lammertse, Meindert, Cuyahoga Falls, assignor to Wingfoot Corporation, Akron, Ohio. Belt type vehicle track. 2,515,128, July 11.

Lamonde, Delphis, Fall River, Mass. Paste dispensing means for toothbrushes. 2,527,741, Oct. 31.

Lamont, Boyd N. R., assignor to Tube Patents Limited, London, England. Pipe coupling. 2,503,826, Apr. 11.

La Mont, Herbert D., Huntington, Ind. Expansion and contraction tool. 2,535,078, Dec. 26.

La Montagne, Arthur G., Sutter, Calif. Artificial fish lure. 2,494,948, Jan. 17.

Lamp Hardware, Inc., assignee: *See*—
Brasty, Joseph.

Lampard, Frank S., Zelienople, assignor to Mathews Conveyer Company, Ellwood City, Pa. Feeding apparatus. 2,519,837, Aug. 22.

Lampe, Albert G., assignor to Gordon Engineering, Inc., Madison, Wis. Support for wall receptacles. 2,518,912, Aug. 15.

Lampe, Elmer A., Chicago, Ill. Sealed sleeve type bearing. 2,518,338, Aug. 8.

Lampe, Friedrich W., Detroit, Mich. Toggle action self-locking wrench and/or nonlocking pliers. 2,521,276, Sept. 5.

Lampe, Maurice, Madill, Okla. Christmas tree stand. 2,524,671, Oct. 3.

Lampiris, William, assignor to Geuder, Paeschke & Frey Co., Milwaukee, Wis. Ironing board. 2,506,459, May 2.

Lampl, Josef, assignor to National Machine Products, Los Angeles, Calif. Can opener. 2,522,382, Sept. 12.

Lampl, Josef, assignor to National Machine Engineers, Los Angeles, Calif. Can opener. 2,522,383, Sept. 12.

Lamport, Harold, New Haven, and M. G. Schorr, Hamden, Conn. Vacuum tube voltmeter. 2,516,520, July 25.

Lamprecht, Aloia, Cheektowaga, N. Y. Adjustable gravity ball projector for game boards. 2,503,393, Apr. 11.

Lampton, Glen T., West Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Making propeller blades. 2,511,858, June 20.

Lamson, Edward R.: *See*—
Ferris, Seymour W., Lamson, and Smith.

Lamson, Otis F., Seattle, Wash. Removable appliance for use as an artificial dam in cases of rectal incontinence. 2,494,393, Jan. 10.

Lamson & Sessions Company, The, assignee: *See*—
Robinson, Henry G.

Lamy, Armand, assignor of one-half to U. Boisvert, Montreal, Quebec, Canada. Snow conveyer. 2,508,829, May 23.

Lanagan and Hoke, Inc., assignee: *See*—
Cross, Charles.

Lancaster, John B., Philadelphia, Pa. Menstrual cycle indicating device. 2,517,793, Aug. 8.

Lancaster, John B., Philadelphia, Pa. Menstrual cycle indicating device. 2,535,431, Dec. 26.

Lancaster, John F., and W. K. B. Marshall, assignors to A. P. V. Company Limited, London, England. Arc welding in inert atmospheres. 2,515,559, July 18.

Lancaster Processes, Inc., assignee: *See*—
Robinson, Thomas, and Bascom.

Lance, Ben W., Geneva, Ill. Micrometer lap and guide. Re. 23,216, Apr. 4.

Lance, Carroll M., Asheville, N. C. Paper dispenser latching means. 2,523,123, Sept. 19.

Lance, Chester L., Dallas, Tex. Gripper for printing presses. 2,535,935, Dec. 26.

Lance Inc., assignee: *See*—
Curlee, Harvey P.
McCullough, Lewell O.

Lances, Leo E., New York, assignor to The Dorr Company, Stamford, Conn. Liquid-permeable tank bottom for beds of granular material. 2,528,062, Oct. 31.

Lanckton, Elizabeth N., administratrix: *See*—
Lanckton, Merle F.

Lanckton, Merle F., deceased, Castile, N. Y.; E. N. Lanckton, administratrix. Wrench having threaded jaw shank adjusted by sleeve-enclosed interrupted-thread nut having projections yieldably interlocking with sleeve. 2,496,799, Feb. 7.

Lancor, Joseph H., Jr., East Williston, N. Y., assignor to The Sperry Corporation. Tracking apparatus. 2,533,267, Dec. 12.

Lancor, Joseph H., Jr., East Williston, N. Y., assignor to The Sperry Corporation. Vibration pickup device and system. 2,534,276, Dec. 19.

Land, Edwin H., assignor to Polaroid Corporation, Cambridge, Mass. Variable polarizing color filter. 2,493,200, Jan. 3.

Land, Edwin H., assignor to Polaroid Corporation, Cambridge, Mass. Photographic product. 2,495,111, Jan. 17.

Land, Edwin H., assignor to Polaroid Corporation, Cambridge, Mass. Light filter opaque to visible light and transmitting infrared radiation. 2,495,527, Jan. 24.

Land, Edwin H., assignor to Polaroid Corporation, Cambridge, Mass. Apparatus for exposing and processing photographic film. 2,496,630, Feb. 7.

Land, Edwin H., assignor to Polaroid Corporation, Cambridge, Mass. Photographic silver halide transfer process. 2,500,421, Mar. 14.

Land, Edwin H., assignor to Polaroid Corporation, Cambridge, Mass. Photographic product. 2,500,422, Mar. 14.

Land, Edwin H., assignor to Polaroid Corporation, Cambridge, Mass. Photographic apparatus. 2,520,641, Aug. 29.

Land, Edwin H., assignor to Polaroid Corporation, Cambridge, Mass. Process and apparatus for forming liquid-carrying containers. 2,530,306, Nov. 14.

Land, Edwin H., Cambridge, J. F. Carbone, Everett, and J. A. Carrier, Lexington, assignors to Polaroid Corporation, Cambridge, Mass. Photographic apparatus for exposing and processing photographic film. 2,516,398, July 25.

Land, Meyer, Hartford, Conn. Toy having mechanical boxing figures and operating means therefor. 2,499,147, Feb. 28.

Landau, Frans, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Control system. 2,526,882, Oct. 24.

Landau, Raymond W., San Francisco, Calif. Dispenser for deodorant. 2,520,368, Aug. 29.

Landau, Sam, New York, N. Y. Lady's undergarment. 2,529,774, Nov. 14.

Landay, Horace J.: *See*—
Warren, Charles W.

Landberg, Erik A., and N. G. Y. Torphammar, Trollahattan, Sweden. Automatic phonograph. 2,514,701, July 11.

Landenberger, Bernard H., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Material reducing rotor. 2,499,512, Mar. 7.

Lander, James J., Murray Hill, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Apparatus for plating of metals. 2,516,058, July 18.

Landers, Frary & Clark, assignee: *See*—
Kircher, Paul J.
Metz, Harry E.
Rudahl, Arnold E.

Landes, Chester G.: *See*—
Poor, Edward N., and Landes.

Landfried, Elsie E., administratrix: *See*—
Landfried, John E.

Landfried, John E., deceased, East Palestine, Ohio; E. E. Landfried, administratrix of said J. E. Landfried. Temperature controlled electrically heated washing machine. 2,533,122, Dec. 5.

Landgraf, Stephen V., Elkhart, Ind., assignor to United States Rubber Company, New York, N. Y. Method and apparatus for producing resin impregnated sheets. 2,528,152, Oct. 31.

Landis, Clark H., Bowling Green, Ohio. Sleeve inserter adapter. 2,509,305, May 30.

Landis, Clark H., Bowling Green, Ohio. Lawn and garden sprinkler. 2,526,958, Oct. 24.

Landis, George G., South Euclid, assignor to The Lincoln Electric Company, Cleveland, Ohio. Saturable magnetic shunt controller. 2,500,189, Mar. 14.

Landis, George G., South Euclid, and N. J. Hoenie, Cleveland Heights, assignors to The Lincoln Electric Company, Cleveland, Ohio. Adjustable-electrode arc welding torch. 2,520,151, Aug. 29.

Landis, George G., South Euclid, and N. J. Hoenie, Cleveland Heights, assignors to The Lincoln Electric Company, Cleveland, Ohio. Work support. 2,530,016, Nov. 14.

Landis & Gyr, A. G., assignee: *See*—
Fehr, Paul.
Käser, Albert.
Ogurkowski, Georges.

Landis Machine Company, assignee: *See*—
Eigenbrode, Edwin M.
Hieber, George E.
Hopkins, Cecil W.
Pearson, Walter.
Reimschissel, Charles A.

Landis Tool Company, assignee: *See*—
Balsiger, Harold E.
Price, Ralph E.

Landmeier, Edwin W., Lakeside Park, assignor to The Wadsworth Electric Manufacturing Co., Inc., Covington, Ky. Electric switch. 2,497,306, Feb. 14.

Lando, Sebastiano: *See*—
Walsh, John E., and Lando.

Lando, Sebastiano, assignor to Land-O-Tackle, Inc., Chicago, Ill. Multiple hook fishing tackle. 2,523,833, Sept. 26.

Landolt, Albert: *See*—
Albrecht, Otto, Frei, and Landolt.

Landon, Charles A., assignor to The Landon Equipment Company, Columbus, Ohio. Vault lowering device 2,533,592, Dec. 12.

Landon, Eleanor L., Seattle, Wash. Food service cabinet. 2,527,432, Oct. 24.

Landon Equipment Company, The, assignee: *See*—
Landon, Charles A.

Landon, Esther C., Seattle, Wash. Convertible electric appliance. 2,501,683, Mar. 28.

Landon, Everett W., San Mateo, and D. K. Cavenah, North Hollywood, assignors to Landon Standard Pools, Burlingame, Calif. Water recirculating system for swimming pools. 2,502,052, Mar. 28.

Landon, Everett W., San Mateo, assignor to Landon Standard Pools, Belmont, Calif. Chemical feeder. 2,529,028, Nov. 7.

Landon, Marion E., administratrix: *See*—
Landon, Walter S.

Landon, Richard W., assignor to Republic Flow Meters Company, Chicago, Ill. Electric integrating apparatus. 2,518,797, Aug. 15.

Landon, Robert L.: *See*—
Tinkham, Russell J., and Landon.

Landon Standard Pools, assignee: *See*—
Landon, Everett W.
Landon, Everett W., and Cavenah.

Landon, Walter S., assignor to Detroit Lubricator Company, Detroit, Mich. Orifice cleaning means. 2,493,297, Jan. 3.

Landon, Walter S., assignor to Detroit Lubricator Company, Detroit, Mich. Heating apparatus and fuel flow controlling means therefor. 2,494,394, Jan. 10.

Landon, Walter S., assignor to Detroit Lubricator Company, Detroit, Mich. Magnetically operated safety valve closing device. 2,494,395, Jan. 10.

Landon, Walter S., assignor to Detroit Lubricator Company, Detroit, Mich. Orifice cleaning means. 2,497,223, Feb. 14.

Landon, Walter S., deceased; by M. E. Landon, administratrix, assignor to Detroit Lubricator Company, Detroit, Mich. Reciprocating travel controlling means. 2,505,975, May 2.

Landon, Walter S., assignor to Detroit Lubricator Company, Detroit, Mich. Flow control means. 2,518,339, Aug. 8.

Land-O-Tackle, Inc., assignee: *See*—
Lando, Sebastiano.
Walsh, John E., and Lando.

Landquist, Justus K.: *See*—
Curd, Francis H. S., Landquist, Ralson, and Rose.

Landreth, Willard A., Chicago, Ill. Centering attachment for the tailstock of lathes. 2,501,684, Mar. 28.

Landry, Henry J., South Ashburnham, Mass. Automatically folding play yard. 2,523,124, Sept. 19.

Landsman, Henry, Poughkeepsie, N. Y. Pipe threading die stock. 2,499,595, Mar. 7.

Landstad, Halvor F., assignor to Morris Motors Limited, Cowley, Oxford, England. Gun-controlling mechanism. 2,523,959, Sept. 26.

Landt, Newton A., Wisconsin Dells, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Hydraulic turbine. 2,494,623, Jan. 17.

Landwehr, Richard F., Laurelton, assignor to American Safety Razor Corporation, Brooklyn, N. Y. Lighter. Re. 23,207, Mar. 14.

Landwehr, Richard F., Laurelton, assignor to American Safety Razor Corporation, Brooklyn, N. Y. Cigarette lighter. 2,531,632, Nov. 28.

Landy, William, Cleveland, Ohio. Garment pocket assemblage. 2,527,224, Oct. 24.

Lane, Albert E., Wenonah, N. J., and W. R. Thompson, Philadelphia, Pa., assignors to Radio Corporation of America. Collapsible multiple arm antenna. 2,510,287, June 6.

Lane, Cecil T., North Haven, Conn., S. C. Marsh, Hohokus, and W. M. Haessler, Jersey City, assignors to Specialties Development Corporation, Belleville, N. J. Storage of liquefied gas. 2,525,807, Oct. 17.

Lane, Edward S.: *See*—
Baird, William, Barr, Lane, and Lowe.

Lane, Edwin C., Wyoming, N. Y. Fish lure. 2,518,031, Aug. 8.

Lane, Erik Lennart, Stockholm, Sweden. Picture and motif finder. 2,508,864, May 23.

Lane, Everett W.: *See*—
Pike, Merle E., and Lane.

Lane, Fred A., Shelburn, assignor to Lane Motors, Incorporated, Terre Haute, Ind. Oscillator drive. 2,503,158, Apr. 4.

Lane, Fred A., Shelburn, assignor to Lane Motors, Incorporated, Terre Haute, Ind. Rotary-to-oscillatory motion converter. 2,503,159, Apr. 4.

Lane, Guy M., and H. G. Thunder, assignors to Motor Products Corporation, Detroit, Mich. Ventilator window assembly. 2,498,429, Feb. 21.

Lane, Guy M., and H. G. Thunder, assignors to Motor Products Corporation, Detroit, Mich. Variable friction pivot for ventilator panels. 2,534,779, Dec. 19.

Lane, James A.: *See*—
Pyle, Cyrus, and Lane.

Lane Motors, Incorporated, assignee: *See*—
Lane, Fred A.

Lane, Richard J. H., Santa Cruz, Calif. Package filling spout for ice cream machines. 2,502,329, Mar. 28.

Lane, Stanley C.: *See*—
Bannon, John H., and Lane.

Lane, Stanley S., U. S. Army, New London, Conn. Cabinet having separate deposit and collection compartments. 2,531,444, Nov. 28.

Lane, Thomas L., Three Forks, Mont. Material responsive switch actuator. 2,494,819, Jan. 17.

Lane, Walter M., assignee: *See*—
Cook, Clarence A.

Lane, Walker & Gravely, Inc., assignee: *See*—
Walker, Kyle B.

Lane-Wells Company, assignee: *See*—
Bender, John C.

Lanegan, Frederick E., and J. Tibble, assignors to W. H. Smith & Son Limited, London, England. Mechanism for feeding continuous stationery in recording machines. 2,493,411, Jan. 3.

Lanfre, M. Duke, assignee: *See*—
Smith, Arthur W.

Lang, Adam M., assignor to Langenskamp-Wheeler Brass Works, Inc., Indianapolis, Ind. Single air line operated sediment sampler. 2,519,056, Aug. 15.

Lang, Albert G.: *See*—
Barstow, John M., and Lang.

Lang, Clayton L., deceased, Park Ridge, Ill., by M. V. Lang, administratrix, Park Ridge, and C. A. Setterstedt, Chicago, Ill. Soap chipper. 2,527,557, Oct. 31.

Lang, Elmer M.: *See*—
Partain, Oliver W., and Lang.

Läng, Fritz, assignor to Autophon Aktiengesellschaft, Solothurn, Switzerland. Arrangement for radio-telephone traffic through exchange between mobile stations and between such stations and a telephone network. 2,508,613, May 23.

Lang, Gregor L., Longmeadow, assignor to American Bosch Corporation, Springfield, Mass. Ignition system. 2,497,307, Feb. 14.

Lang, Gregor L., Longmeadow, assignor to American Bosch Corporation, Springfield, Mass. Electromagnetic device. 2,508,524, May 23.

Lang, Gus W., Miami, Fla. Machine for making cement roofing tile. 2,531,574, Nov. 28.

Lang, Homer V., Charlotte, N. C. Warp dye beam. 2,505,498, Apr. 25.

Lang, Ivan R., Omaha, Nebr. Necktie retainer. 2,534,457, Dec. 19.

Lang, Jack, assignor to Makdon, Inc., New York, N. Y. Carton. 2,522,049, Sept. 12.

Lang, John, Brooklyn, N. Y. Combined welt seam presser foot. 2,494,182, Jan. 10.

Lang, John, Detroit, Mich. Folding stool. 2,513,880, July 4.

Lang, John L.: *See*—
Drake, Stevens S., and Lang.

Lang, John W., Racine, Wis. Ratchet wrench. 2,500,835, Mar. 14.

Lang, Marion V., administratrix: *See*—
Lang, Clayton L., and Setterstedt.

Lang, Martin H., Minneapolis, Minn. Electrically operated automatic cushion filling machine. 2,509,771, May 30.

Lang, Matthew, assignor to Frederic B. Stevens, Inc., Detroit, Mich. Apparatus for electroplating workpieces. 2,498,128, Feb. 21.

Lang, Murray, New York, N. Y. Meat-tenderizing machine. 2,534,357, Dec. 19.

Lang, Otto W., San Carlos, Calif. Canning tuna fish. 2,493,586, Jan. 3.

Lang, Philip H., Summit, N. J., assignor to American Felt Company, Boston, Mass. Fibrous unit. 2,521,984, Sept. 12.
Lang, Philip H., Summit, N. J., W. H. Lehmberg, Riverside, and C. M. Foggett, Greenwich, Conn., assignors to American Felt Company, Boston, Mass. Making fibrous units. 2,521,985, Sept. 12.
Lang, Walter S. : *See*—
Nagel, John D., and Lang.
Robinson, Lawrence R. and K. I., Berger, and Lang.
Lang, William H., Chicago, Ill., assignor to The Fairfield Engineering Company, Marion, Ohio. Pusher conveyer with supply hopper. 2,519,970, Aug. 22.
Langabeer, Harvey T., Baldwin, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Power plant charge control circuit. 2,519,670, Aug. 22.
Langan, John F., Washington, D. C., assignor, by mesne assignments, to Film 'N File Inc., New York, N. Y. Film record card. 2,511,859, June 20.
Langan, John F., White Plains, assignor by mesne assignments, to Film 'N File, Inc., New York, N. Y. Projecting and viewing device for cards with microfilm and the like. 2,495,528, Jan. 24.
Langan, John F., White Plains, assignor, by mesne assignments, to Film 'N File, Inc., New York, N. Y. Record card. 2,512,106, June 20.
Langdahl, Bernard A., Duluth, Minn. Tension frame. 2,494,949, Jan. 17.
Langdale, Norman E. : *See*—
Minns, Frederick J., Court, and Langdale.
Langdon, Dorothy R. : *See*—
Gowing, Daniel M., Langdon, and Selby.
Langdon, Jesse D., Long Beach, Calif. Shaving instrument. 2,512,656, June 27.
Langdon, Robert S., assignor to Western Gear Works, Seattle, Wash. Power-transmitting mechanism. 2,528,314, Oct. 31.
Langdon, Samuel W., Rochester, N. Y., assignor, by mesne assignments, to Marks & Fuller, Inc. Photographic camera having means for feeding a plurality of film strips. 2,531,376, Nov. 21.
Langdon, Samuel W., assignor to Marks & Fuller, Inc., Rochester, N. Y. Contact printing machine. 2,535,145, Dec. 26.
Lange, Anthony C., Milwaukee, Wis. Boat mooring and lifting mechanism. 2,505,832, May 2.
Lange, Frederick E., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Burner safety and scavenging control. 2,493,412, Jan. 3.
Lange, Hans D., Chelsea, assignor, by mesne assignments, to Kaiser-Frazer Corporation, Willow Run, Mich. Wheel suspension. 2,507,108, May 9.
Lange, Harold T., Webster Groves, assignor to Sporlan Valve Company, Maplewood, Mo. Refrigerating fluid control. 2,510,405, June 6.
Lange, Harold T., Webster Groves, assignor to Sporlan Valve Company, St. Louis, Mo. Fluid-powered drive. 2,519,483, Aug. 22.
Lange, Harold T., Webster Groves, assignor to Sporlan Valve Company, St. Louis, Mo. Load limiting means for use with refrigeration and other valves. 2,530,706, Nov. 21.
Lange, Henry J., assignor to Betz Corporation, Hammond, Ind. Air louver for heating or cooling units. 2,526,243, Oct. 17.
Lange, Maurice, Issy-les-Moulineaux, assignor to Etablissements Edouard Belin, Rueil-Malmaison, France. Apparatus for transforming halftone documents into a printing weft. 2,524,531, Oct. 3.
Lange, Rolland B., Muskegon, Mich., assignor to Anaconda Wire and Cable Company. Apparatus for applying labels to spools. 2,506,303, May 2.
Langefors, Nils B. : *See*—
Svensson, Sven G., and Langefors.
Langel, Adrien L., assignor to Chicago Metallic Manufacturing Company, Chicago, Ill. Multiple pan. 2,507,109, May 9.
Langel, Adrien L., assignor to Chicago Metallic Manufacturing Company, Chicago, Ill. Pan cover. 2,512,064, June 20.
Langel, Adrien L., assignor to Chicago Metallic Manufacturing Company, Chicago, Ill. Multiple baking pan. 2,532,109, Nov. 28.
Langel, Adrien L., assignor to Chicago Metallic Manufacturing Company, Chicago, Ill. Receptacle closure. 2,532,818, Dec. 5.
Langen, Matthias, Parkstone, assignor to The Loewy Engineering Company Limited, London, England. Classifying rolled billets. 2,525,302, Oct. 10.
Langen, Ole H. : *See*—
Maxwell, Ira C., and Langen.
Langenau Manufacturing Company, The, assignee : *See*—
Barnes, Wallace A.
Langenbahn, Albert E., Mason City, Ill. Self-regulating stock tank. 2,511,721, June 13.
Langenskamp-Wheeler Brass Works, Inc., The, assignee : *See*—
Lang, Adam M.
Langer, Bernard F. : *See*—
Heinemann, Robert O., Langer, and Werner.
Langer, Bernard F., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Torque measuring device for shafts. 2,498,282, Feb. 21.
Langer, Bernard F., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Locomotive spring suspension. 2,501,342, Mar. 21.
Langer, Bernard F., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Current collector. 2,508,176, May 16.
Langer, Nicholas, New York, N. Y. Apparatus for heat sealing. 2,509,439, May 30.
Langer, Nicholas, New York, N. Y., assignor, by mesne assignments, to Central Commercial Industries, Inc., Chicago, Ill. Electrical musical instrument. 2,533,821, Dec. 12.
Langer, Rudolph M., U. S. Navy. Vibration spectrometer. 2,496,295, Feb. 7.
Langer, Theodore W., and O. P. Puryear, Fishkill, assignors to The Texas Company, New York, N. Y. Barium soap grease compositions and preparation. 2,503,749, Apr. 11.
Langford, George R. : *See*—
Langford, George W. and G. R.
Langford, George W. and G. R., assignors to Dura-Bond, Incorporated, Ann Arbor, Mich. Brake lining clamping device. 2,503,055, Apr. 4.
Langford, George W. and G. R., assignors to Dura-Bond, Incorporated, Ann Arbor, Mich. Brake lining clamping device. 2,523,507, Sept. 26.
Langford, Walter, Graton, Calif. Fruit catcher. 2,509,569, May 30.
Langham, Eric M. : *See*—
Bedford, Leslie H., Bell, and Langham.
Langille, Wilfred O., Chester, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Unitary shade, deformable reflector, and lens assembly. 2,534,037, Dec. 12.
Langkammerer, Carl M., and B. C. Pratt, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Thio ethers of adiponitrile. 2,501,226, Mar. 21.
Langkammerer, Carl M., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Beta-tertiary-aminoadiponitriles. 2,532,561, Dec. 5.
Langley, Clarence E., Ottawa, Ontario, Canada. Necktie finisher. 2,493,252, Jan. 3.
Langley Corporation, assignee : *See*—
Mandolf, Henry I., and Chapin.
Langley, Harry V., Glenns Ferry, Idaho. Fruit and vegetable cutter with stationary knives and reciprocating plunger. 2,509,190, May 23.
Langley, Marion A., San Jose, Calif. Bathing device for babies and small children. 2,505,252, Apr. 25.
Langley, Ruth M., San Gabriel, Calif. Baby's sleeping bag. 2,535,936, Dec. 26.
Langlois, David P., and H. Wolff, assignors to A. E. Staley Manufacturing Company, Decatur, Ill. Pseudo esters of levulinic acid. 2,493,676, Jan. 3.
Langlois Gauge Company, Inc., assignee : *See*—
Greany, John H.
Langlois, Gordon E. : *See*—
Barusch, Maurice R., Langlois, and Schramm.
Brooke, Lloyd F., Langlois, and Stickland.
Langlois, Roland E. : *See*—
Blumenbaum, Louis G., and Langlois.
Langlykke, Asger F., Highland Park, and D. Perlman, Princeton, N. J., assignors to E. R. Squibb & Sons, New York, N. Y. Converting mannosidostreptomycin and dihydromannosidostreptomycin into streptomycin and dihydrostreptomycin respectively. 2,493,489, Jan. 3.
Langman, James D., Portland, assignor to Associated Manufacturers and Distributors Corp., Multnomah County, Oreg. Electric conduit fitting. 2,497,126, Feb. 14.
Langmore, Herbert C., Sherman Oaks, and H. M. Ehrhardt, Altadena, Calif., assignors to Bendix Aviation Corporation, South Bend, Ind. Four-way valve. 2,503,827, Apr. 11.
Langmuir, Robert V., H. C. Pollock, and W. F. Westendorp, Schenectady, N. Y., assignors to General Electric Company. Electron accelerator provided with starting auxiliary. 2,528,525, Nov. 7.
Langsenkamp, Robert M. : *See*—
Kottkamp, Norman C., Bailey, Trimble, and Langsenkamp.
Langsenkamp-Wheeler Brass Works, Inc., The, assignee : *See*—
Kottkamp, Norman C., Bailey, Trimble, and Langsenkamp.
Langsett, Victor M., assignee, trustee : *See*—
Smith, Lawrence H.
Langstaff, Clinton A., Compton, Calif. Flow bean. 2,518,625, Aug. 15.
Langstaff, Clinton A., Compton, and B. Bronzan, said Bronzan assignor to Baash-Ross Tool Company, Los Angeles, Calif. Controlling pressure in drilling wells. 2,527,225, Oct. 24.
Langston, George A. : *See*—
Bassett, Dewey M., and Langston.
Langston, Samuel M., Co., assignee : *See*—
Behrens, Herbert C.
Seeger, Edward B.
Goettsch, Walter J.
Languepin, Jacques, assignor to Societe La Soudure Electrique, Paris, France. Resistance electric welding method. 2,507,022, May 9.
Langway, M., assignee : *See*—
Hill, Alvin.

Lanham, Edward H., assignor, by mesne assignments, to Northern Electric Company, Limited, Montreal, Quebec, Canada. Four-wire transmission circuit thermistor control. 2,497,779, Feb. 14.

Lanham, William M., Charleston, W. Va., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Plastic compositions containing polyesters of 2-ethylhexanediol-1,3. 2,512,723, June 27.

Lanham, William M., Charleston, W. Va., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Polyesters of 2 - ethylhexanediol - 1,3. 2,512,722, June 27.

Lanier, Hubert R.: *See*—
McConnell, Nealy C., Mims, Poole, and Lanier.

Lankenau Hospital, The, assignee: *See*—
Floyd, Norman F.
Stekol, Jakob A.

Lankford, Eugene, Jr., Austin, Tex. Toilet paper dispenser. 2,500,254, Mar. 14.

Lankford, Francis M., Houston, Tex. Cylinder liner. 2,496,547, Feb. 7.

Lankford, Harry G., Jr., Wichita, Kans. Hamper. 2,531,520, Nov. 28.

Lankford, William K., Roanoke, Va. Beam compass. 2,512,235, June 20.

Lannan, George M., Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation. Apparatus for making fibrous products. 2,500,690, Mar. 14.

Lannerd, Paul U., Indianapolis, Ind. Multiple disk phonograph. 2,496,056, Jan. 31.

Lanolin Plus Cosmetics, Inc., assignee: *See*—
Verblen, Jack R.

Lanphere, Clive W., New York, N. Y. Variable-speed transmission. 2,516,059, July 18.

Lanphier, Charles H., assignor to Sangamo Electric Company, Springfield, Ill. Transducer. 2,515,154, July 11.

Lanser, Alfred H., New York, N. Y. Landing gear for airplanes. 2,507,913, May 16.

Lansing, Donald H.: *See*—
Pfeiffer, Frank F., Lansing, and Smith.

Lansman, Paul S., Beverly Hills, Calif., assignor to the United States of America as represented by the Secretary of the Navy. Line-tuned oscillator. 2,531,693, Nov. 28.

Lanter, Clarence W., Bartlett, assignor to Breuer Electric Mfg. Company, Chicago, Ill. Combined blower and vacuum cleaner. 2,533,268, Dec. 12.

Lantz, Alpha P., Washington, D. C. Pivotally supporting and bracing ironing boards. 2,498,557, Feb. 21.

Lantz, Alpha P., Washington, D. C. Pivotal mounting and brace for ironing boards. 2,498,558, Feb. 21.

Lantz, Alpha P., Washington, D. C. Portable ironing board. 2,514,702, July 11.

Lantz, Alpha P., Washington, D. C. Wall attached ironing board. 2,514,703, July 11.

Lantz, Alpha P., Washington, D. C. Automatically projected and reinforced ironing board. 2,514,704, July 11.

Lantz, Alpha P., Washington, D. C. Pivotally supported ironing board. 2,514,705, July 11.

Lantz, Alpha P., Washington, D. C. Ironing board and cabinet therefor. 2,514,706, July 11.

Lantz, Alpha P., Washington D. C. Ironing board and pivotally supporting the same. 2,514,707, July 11.

Lantz, Alpha P., Washington, D. C. Movably interfitted ironing board and support therefor. 2,514,708, July 11.

Lantz, Charles F.: *See*—
Flint, Harold A., and Lantz.

Lantz, Louis A., A. Schofield, and E. Spinner, assignors to The Calico Printers' Association Limited, Manchester, England. Pigments and molding powders comprising polyvinyl acetal resins dyed with vat dyes. 2,534,136, Dec. 12.

Lantz, Robert L., assignor to Societe Anonyme de Matieres Colorantes et Produits Chimiques Francolor, Paris, France. Insolubilization of a soluble azoic dyestuff on the fiber. 2,500,080, Mar. 7.

Lantz, Robert, and M. Moinard, nee M. Colomb, assignors to Societe Anonyme de Matieres Colorantes, et Produits Chimiques Francolor, Paris, France. Diazotypes containing diazo-sulfonates. 2,529,029, Nov. 7.

Lanz, Adrian B., Montreux, Switzerland. Safety ski binding. 2,534,038, Dec. 12.

Lanzisera, Joseph C., Brooklyn, N. Y. Poultry plucker. 2,496,223, Jan. 31.

Lapedes, Clarence E., assignee: *See*—
Hooven, Frederick J.

Lapedes, Clarence S., Dayton, Ohio. Jacket with removable lining. 2,534,978, Dec. 19.

Lapeer Manufacturing Co., assignee: *See*—
Sarsgard, Herschel B., and Allder.

Lapetina, Herbert N., Norfolk, Va. Blowout patch. 2,525,688, Oct. 10.

Lapham, Evan G., Washington, D. C., assignor to the United States of America as represented by the Secretary of Commerce. Radio direction finder. 2,512,657, June 27.

La Piana, Frank, Alhambra, Calif. Rotary clothes-drying apparatus. 2,512,496, June 20.

La Piana, Fred G., Providence, and G. N. Houth, Cranston, R. I., assignors to Stein, Hall & Company, Inc., New York, N. Y. Pigment binders. 2,511,113, June 13.

La Piana, Fred G., Providence, G. N. Houth, Cranston, and R. W. Farrell, Saylesville, R. I., assignors to Stein, Hall & Company, Inc., New York, N. Y. Resinous composition and making same. 2,524,111, Oct. 3.

La Piana, Fred G., Providence, and E. C. Tarnuzzer, Rumford, R. I., assignors to Stein, Hall & Company, Inc., New York, N. Y. Resinous composition and making same. 2,524,112, Oct. 3.

La Piana, Fred G., Providence, R. I., assignor to Stein, Hall & Company, Inc., New York, N. Y. Stabilizing rayon-containing textile fabrics. 2,524,113, Oct. 3.

Lapin Products, Inc., assignee: *See*—
Rosenheim, David.

Lapir, Joseph, Brooklyn, N. Y. Stylus guide device. 2,522,384, Sept. 12.

La Plant-Choate Manufacturing Co., Inc., assignee: *See*—
Austin, Ellsworth W.
Hyler, Loiell L.
Rockwell, Harvey W.

Laplante, Hormidas, Cranston, R. I. Harness stop motion. 2,527,742, Oct. 31.

Lapointe, Gérard, Quebec, Quebec, Canada. Vise having slidable jaw actuated by driven wedge. 2,503,160, Apr. 4.

Lapointe, Lou, Toronto, Ontario, Canada. Bottleholder. 2,513,029, June 27.

Lapointe, Louis E., and L. J. Gaudet, assignors to E. H. Brunmark, Worcester, Mass. Jig for connecting rods. 2,520,249, Aug. 29.

La Pointe, Peter, Brooklyn, N. Y. Potato separating machine. 2,535,801, Dec. 26.

Laport, Edmund A., Glen Ridge, N. J., assignor to Radio Corporation of America. Traveling wave antenna. 2,503,952, Apr. 11.

Laport, Edmund A., Glen Ridge, N. J., assignor to Radio Corporation of America. Antenna system. 2,516,706, July 25.

Laporte Chemicals Limited, assignee: *See*—
Wood, William S., Holmes, and Whittaker.

Laporte, Gertrude: *See*—
Corbeil, Gertrude.

La Porte, Francis L., assignee: *See*—
La Porte, Louis F.

La Porte, Louis F., Wellston, Mo., assignor to F. L. La Porte, San Bernardino, Calif. Defrosting method and apparatus for refrigeration systems. 2,526,032, Oct. 17.

Lappe, Anna M., executrix: *See*—
Lappe, Edward, Jr.

Lappe, Edward, Jr., deceased, Scarsdale, N. Y.; A. M. Lappe, executrix of said E. Lappe, Jr. Dispenser for salt or the like. 2,529,472, Nov. 7.

Lapple, Walter C., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Device for controlling the flow of liquids. 2,508,762, May 23.

La Precision Industrielle, assignee: *See*—
Gamet, Louis.

Lapsley, Rhea P., Rutherford, assignor to The Okonite Company, Passaic, N. J. Method and apparatus for installing electric cable systems. 2,532,504, Dec. 5.

Lapsley, Robert, Berrien Springs, assignor to Clark Equipment Company, Buchanan, Mich. Drop gear transmission for trucks. 2,524,598, Oct. 3.

Lapsley, Robert, Berrien Springs, assignor to Clark Equipment Company, Buchanan, Mich. Fluid impact coupling and clutch. 2,529,400, Nov. 7.

Laquidara, Thomas A., assignee: *See*—
Wenzel, William R.

Larabee, Marshal H., Skaneateles, N. Y. Toy track connecting means. 2,534,458, Dec. 19.

"La Radio Industrie S. A.," assignee: *See*—
Cahen, Roger R.
Babin, Francois.

Laraia, Artemio: *See*—
Dion, Raymond F., and Laraia.

Laraque, Roland, assignor to L'Auxiliaire Industrielle, Paris, France. Internal-combustion engine with opposed pistons. 2,530,884, Nov. 21.

Larchar, Arthur W.: *See*—
Cairns, Theodore L., Larchar, and McKusick.

Larchar, Arthur W., Mendenhall, Pa., assignor to E. I. du pont de Nemours & Company, Wilmington, Del. Stabilized chlorohydrocarbon cleaning composition. 2,517,893, Aug. 8.

Larchar, Arthur W., Mendenhall, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Metal degreasing composition. 2,517,894, Aug. 8.

Larchar, Arthur W., Mendenhall, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. stabilized chlorohydrocarbon cleaning composition. 2,517,895, Aug. 8.

Larchar, Arthur W., Mendenhall, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Obtaining vinyl chloride styrene polymers. 2,532,727, Dec. 5.

La Reliephographie, Société pour l'Exploitation des Procédés de Photographie en Relief Maurice Bonnet, assignee: *See*—
Bonnet, Maurice.

La Resista Corset Company, The, assignee: *See*—
Rockwell, Eileen A.

Largent, Edward W., assignor of one-half to P. R. Babcock, Los Angeles, Calif. Variable reciprocatory motion means. 2,511,352, June 13.
Largman, Joseph, Philadelphia, Pa. Stocking. 2,500,759, Mar. 14.
Larime, Louis H.: *See*—
Cunningham, James J., Larime, and Nevin.
Larin, Marcel T., Sorel, Quebec, Canada. Folding chair. 2,497,412, Feb. 14.
La Riviere, Alfred C., London, England. Hopper. 2,512,549, June 20.
Lark-Horovitz, Karl, La Fayette, and R. M. Whaley, West Lafayette, assignors to Purdue Research Foundation, La Fayette, Ind. Alloys and rectifiers made thereof. 2,514,879, July 11.
Larkin, Artemas M., Glendale, Calif. Fishing reel. 2,524,451, Oct. 3.
Larkin, Artemas M., assignor to National Heaters, Inc., Glendale, Calif. Car heating attachment. 2,526,884, Oct. 24.
Larkin, Ernest E., Pinner, assignor to Union Cold Storage Company Limited, London, England. Refrigerating apparatus for the cold storage of goods. 2,517,686, Aug. 8.
Larkin, George R., Dayton, Ohio. Electrically heated Pitot tube. 2,510,986, June 13.
Larkin, George R., Dayton, Ohio. Automatically releasable cover for aircraft Pitot tubes. 2,532,316, Dec. 5.
Larkin, Peter G., New York, N. Y. Liquid cooling device. 2,526,244, Oct. 17.
Larkin, Thomas E., Schenectady, N. Y., assignor to General Electric Company. Electric motor starting system. 2,512,342, June 20.
Larkin, William J.: *See*—
Campbell, Dudley H., and Larkin.
Larkins, Emil H., Cleveland, Ohio. Cutter adjuster. 2,496,800, Feb. 7.
Larkins, Frank J., Chicago, Ill. Iron holder. 2,514,400, July 11.
Larman, James I., Kensett, Ark. Tire removing device. 2,532,412, Dec. 5.
Larman, Julius E., Hartford, Conn. Snapper party hat. 2,531,853, Nov. 28.
Larmuth, John H., Upper Colwyn Bay, North Wales. Bobbin hoisting means of stranding machines. 2,509,828, May 30.
Larned Poultry & Egg Company, assignee: *See*—
Horton, William A.
Larner, Herbert B.: *See*—
Passino, Herbert J., and Larner.
La Rochelle, Conrad, White Plains, N. Y. Motorcycle saddle carrier. 2,527,433, Oct. 24.
La Roe, Else K., New York, N. Y. Brassière. 2,508,037, May 16.
La Rose, Ernest L., New Britain, Conn. Chord playing attachment for stringed instruments. 2,517,000, Aug. 1.
La Rosa, V., & Sons, assignee: *See*—
La Rosa, Vincent S., Shields, and Bernier.
La Rosa, Vincent S., J. Shields, and R. E. Bernier, Danielson, Conn., assignor to V. La Rosa & Sons, Brooklyn, N. Y. Macaroni weighing machine. 2,496,548, Feb. 7.
Larrabee, Martin G., Philadelphia, Pa., and A. J. Rawson, Frederick, Md., assignors to the United States of America as represented by the Secretary of the Air Force. Device for supporting binoculars on military headgear. 2,517,892, Aug. 8.
Larrison, Millard S., Verona, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Preparing carbazole from ortho-nitrobiphenyl. 2,508,791, May 23.
Larsen, Alma H.: *See*—
Woodruff, Harold B., and Larsen.
Larsen, Bruno F., assignor to Pelham Electric Manufacturing Corp., Erie, Pa. Solderless connector. 2,532,068, Nov. 28.
Larsen, Delmar H.: *See*—
Miller, Glen W., Kells, and Larsen.
Larsen, Earl I.: *See*—
Hensel, Franz R., and Larsen.
Hensel, Franz R., Larsen, and Holt.
Larsen, Delmar H., West Hollywood, Calif. Vasoconstrictor composition. 2,498,687, Feb. 28.
Larsen, Delmar H., West Hollywood, assignor to National Lead Company, Los Angeles, Calif. Well cementing composition. 2,526,674, Oct. 24.
Larsen, Harold R., Troy, N. Y., and J. C. Thoma, Washington, D. C., assignors to W. & L. E. Gurley, Troy, N. Y. Solar attachment for transits. 2,517,687, Aug. 8.
Larsen, Jack: *See*—
Brinster, John F., and Larsen.
Larsen, Jack, Jackson, Mich., and R. B. Blizard, Boston, Mass., assignors to Research Corporation, New York, N. Y. System for transmitting signal modulated pulses. 2,523,703, Sept 26.
Larsson, Lars H., Uppsala, Sweden. Camera for multiple exposures. 2,535,297, Dec. 26.
Larsen, Louis F., Portland, Oreg. Tank trailer. 2,531,694, Nov. 28.
Larsen, Merwin J., Villa Park, Ill., assignor to Stromberg-Carlson Company. Electrical generation of musical tones. 2,506,723, May 9.
Larsen, Merwin J., Villa Park, assignor, by mesne assignments, to Central Commercial Industries, Inc., Chicago, Ill. Volume control device. 2,511,923, June 20.
Larsen, Merwin J., Villa Park, and J. A. Koehl, Evanston, assignors, by mesne assignments, to Central Commercial Industries, Inc., Chicago, Ill. Rheostat switch. 2,513,415, July 4.
Larsen, Rudolph H., San Francisco, and F. Bresee, Jr., San Mateo, assignors to F. Bresee, Jr., doing business as Balab, San Francisco, Calif. Spray residue removal composition and method. 2,493,460, Jan. 3.
Larsen, Soren K. B., Collinsville, Ill. Drawing device. 2,506,426, May 2.
Larsen, Spencer A., Detroit, Mich. Package. 2,501,570, Mar. 21.
Larsen, Torleif I., Farmington, assignor to King-Seeley Corporation, Ann Arbor, Mich. Speed governor. 2,493,883, Jan. 10.
Larson, Alfred T., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of ethyleneurea. 2,497,308, Feb. 14.
Larson, Alfred T., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Synthesis of amines. 2,497,310, Feb. 14.
Larson, Alfred T., and A. G. Weber, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of ethyleneurea. 2,497,309, Feb. 14.
Larson, Alfred T., D. J. Loder, and H. R. Dittmar, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of ethyleneurea. 2,526,757, Oct. 24.
Larson, Bernhard A., Chicago, Ill. Compound gauge. 2,495,529, Jan. 24.
Larson, Carl A., Julesburg, Colo. Metal clothesline frame. 2,496,549, Feb. 7.
Larson, Carl E., Indianapolis, Ind., assignor to E. M. Larson, Chicago, Ill., as trustee. Amusement device. 2,497,003, Feb. 7.
Larson, Christian C., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Radiant energy receiving device. 2,520,152, Aug. 29.
Larson, Eva M., assignee, trustee: *See*—
Larson, Carl E.
Larson, George W.: *See*—
Rother, Carl J., and Larson.
Larson, Gilbert C., Bayside, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. High-frequency tuning device. 2,514,957, July 11.
Larson, Harold F.: *See*—
Saunders, Harold F., and Larson.
Larson, Harry R., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Method and apparatus for measuring electrical properties. 2,530,248, Nov. 14.
Larson, Herbert J., Fergus Falls, Minn. Calf feeder. 2,522,757, Sept. 19.
Larson, John W.: *See*—
Hoeltzel, Orval R., Saville, and Larson.
Larson, Karl R., assignor to The Paul Bunyan Bait Company, Minneapolis, Minn. Device for attaching floats to fishlines. 2,501,471, Mar. 21.
Larson, Karl R., assignor to The Paul Bunyan Bait Company, Minneapolis, Minn. Base for artificial fish baits. 2,503,620, Apr. 11.
Larson, Karl R., assignor to The Paul Bunyon Bait Company, Minneapolis, Minn. Pin having a safety catch. 2,506,027, May 2.
Larson, Lewis M., Waukegan, Ill. Combination vise and jig. 2,521,230, Sept. 5.
Larson, Lewis M., Waukegan, Ill. Vise and jig. 2,521,231, Sept. 5.
Larson, Oscar J.: *See*—
Clark, Floyd H., Hager, and Larson.
Jones, James R., and Larson.
Larson, Raymond T.: *See*—
Nyberg, Curt E., and Larson.
Larson, Richard C., Spring Lake, N. J. Vacuum tube socket. 2,495,267, Jan. 24.
Larson, Robert D., U. S. Army, New York, N. Y. Map mounting for aerial instructions. 2,500,952, Mar. 21.
Larson, Theodore W., Hayward, Wis. Door lock. 2,522,878, Sept. 19.
Larson, William N., Jr., assignee: *See*—
Onley, William B., Jr.
Larsson, Eric J., and J. H. Jonsson, Harnas, assignors to Stora Kopparbergs Bergslags Aktiebolag, Falun, Sweden. Recovering chemicals in the manufacture of cellulose by digestion according to the alkaline sulfite and/or alkaline bisulfite methods. 2,496,550, Feb. 7.
Larsson, Gustaf H.: *See*—
Ljungström, Birger, and Larsson.
Larsson, Gustav A., Stockholm, Sweden. Centrifuge. 2,507,309, May 9.
Larsson, John F.: *See*—
Brogren, Johan T., and Larsson.
Larsson, Olof E., Orebro, Sweden. Carton stapling machine. 2,509,870, May 30.
Larsson, Torsten V., and S. H. Dahlbäck, Skelleftea, Sweden. Prosthesis. 2,493,884, Jan. 10.
Lartz, George F., Suring, Wis. Photographic mounting corner. 2,534,919, Dec. 19.
La Rue, Claude W., Chicago, Ill. Fishing lure. 2,527,743, Oct. 31.

La Rue, John C., Bainbridge, Ohio. Knockdown table. 2,524,198, Oct. 3.
Larys, Bohumir A., Murray Hill, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Control apparatus for radio-frequency heating. 2,529,560, Nov. 14.
La Salle, Arthur, Somerset Center, Mass. Folded sheet material closure cap for collapsible tubes. 2,520,940, Sept. 5.
La Salle Designing Company, assignee: *See*—
Ginsburg, Albert S.
La Salle, George W., assignor to Hercules Motors Corporation, Canton, Ohio. Fan drive. 2,526,242, Oct. 17.
La Salle, Lewis N., Merced, Calif. Climbing attachment for skis. 2,510,476, June 6.
Lasater, Newton A., Mulberry, Ark. Chicken feeder. 2,534,608, Dec. 19.
Laschenski, Joseph E., Springfield, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Tuning mechanism. 2,502,572, Apr. 4.
Laschenski, Joseph E., Springfield, assignor to Philco Corporation, Philadelphia, Pa. Tuning mechanism. 2,533,477, Dec. 12.
Lasco Brake Products Corp, assignee: *See*—
Laher, Frank J., and Kelleher.
Lashells, Ralph W., Findlay, Ohio. Infrared ray equipment. 2,497,676, Feb. 14.
Lashells, Ralph W., Findlay, Ohio. Infrared ray equipment. 2,521,232, Sept. 5.
Laske, Edward: *See*—
Sawyer, William G., and Laske.
Laskowski, Stanley C.: *See*—
Clinton, Raymond O., Huber, Fohlen, and Laskowski.
Lasley, Robert A.: *See*—
Garday, Louis J., and Lasley.
La Soudure Electrique Autogene, Societe Anonyme, assignee: *See*—
Danhier, François G.
Laspe, Albert T.: *See*—
Rotter, Lutwin C., and Laspe.
Lasserre, Francois A., Rayne, La. Junction box assembly. 2,533,673, Dec. 12.
Lasseter, Hubert P., Havana, assignor of one-half to G. P. Koelliker, Tallahassee, Fla. Ship stabilizer. 2,508,068, May 16.
Lassiat, Raymond C., Swarthmore, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Method of and apparatus for minimizing deposition of carbonaceous material. 2,492,998, Jan. 3.
Lassiat, Raymond C., Swarthmore, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Method of and apparatus for minimizing deposition of carbonaceous material. 2,492,999, Jan. 3.
Lassiter, Leon Y., Columbia, Mo. Program clock. 2,495,462, Jan. 24.
Lassmann, Clyde V., and N. Naidenoff, assignors to Beech Aircraft Corporation, Wichita, Kans. Combined fuel pump, selector valve, and strainer. 2,494,884, Jan. 17.
Last, Dorothy L., assignee: *See*—
Whitlock, Charles H.
Last, Harry, assignee: *See*—
Whitlock, Charles H.
Last, James, Southampton Row, England, assignor to International Business Machines Corporation, New York, N. Y. Electromagnet. 2,493,885, Jan. 10.
Laszlo, Stephen E., assignee: *See*—
Lawrence, Andrew.
Latama Cutlery, Inc., assignee: *See*—
Polincovsky, Jack.
Latchum, John W., Jr., Bartlesville, Okla., assignor to Phillips Petroleum Company. Treatment of hydrocarbons. 2,493,981, Jan. 10.
Latchum, John W., Jr., Bartlesville, Okla., assignor to Phillips Petroleum Company. Recovery of hydrocarbons from natural gas. 2,504,429, Apr. 18.
Latchum, John W., Jr., Bartlesville, Okla., assignor to Phillips Petroleum Company. Absorption of nitrogen by liquid ammonia. 2,521,233, Sept. 5.
Latchum, John W., Jr., Bartlesville, Okla., assignor to Phillips Petroleum Company. Distillation control by refractive index. 2,529,030, Nov. 7.
Latham, George H.: *See*—
Gray, Hugh W., and Latham.
Latham, Harry F., Walton-on-Thames, assignor to Elliott Brothers (London) Limited, London, England. Safety cover for machinery. 2,508,460, May 23.
Lathan, James, assignor to Esdelle Patents Limited, Norwich, England. Securing soles to uppers of footwear. 2,521,464, Sept. 5.
Lathem, Guy W., Bessemer, and H. C. Rodgers, Birmingham, Ala., assignors to Tennessee Coal, Iron and Railroad Company. Tinning machine. 2,527,744, Oct. 31.
Lather-Kup Specialty Company, assignee: *See*—
Carlton, Thomas R.
Lathrem, Charles I., Quebec, Quebec, assignor to Canadian Car and Foundry Company Limited, Montreal, Quebec, Canada. Variable pitch propeller. 2,498,109, Feb. 21.
Lathrem, Charles I., Quebec, Quebec, assignor to Canadian Car and Foundry Company Limited, Montreal, Quebec, Canada. Two-position variable pitch propeller. 2,498,110, Feb. 21.
Lathrop, Elbert C., Peoria, Ill., assignor to the United States of America as represented by the Secretary of Agriculture. Production of tannin and soft-grit blasting material from nutshells. 2,510,119, June 6.
Lathrop, Harold F., Grabill, Ind., assignor to General Electric Company. Refrigerating system including flow control devices. 2,497,677, Feb. 14.
Lathrop, Harold F., Grabill, Ind., assignor to General Electric Company. Expansion valve for refrigerating systems. 2,524,913, Oct. 10.
Lathrop, Harold F., Philadelphia, Pa., assignor to General Electric Company. Control for refrigeration systems. 2,524,813, Oct. 10.
Lathrop, Harry D., assignor to The Lathrop-Paulson Company, Chicago, Ill. Support apparatus. 2,526,245, Oct. 17.
Lathrop, Harry D., Chicago, and V. Schwarzkopf, La Grange, assignors to The Lathrop-Paulson Company, Chicago, Ill. Washing containers. 2,509,003, May 23.
Lathrop, Robert P., Bethesda, Md., assignor to The Baldwin Locomotive Works. Extensometer. 2,500,836, Mar. 14.
Lathrop-Paulson Company, The, assignee: *See*—
Hageline, Emil E.
Lathrop, Harry D.
Lathrop, Harry D., and Schwarzkopf.
Paulson, Walter H., Sr.
Schwarzkopf, Vergil, and Paulson.
Latieule, Yves, and H. Bricout, Paris, France, assignors to Compagnie Cherifienne des Textiles S. A., Safi (Maroc). Watering system. 2,515,047, July 11.
Latimer, James E., assignee: *See*—
Singletary, Marion D.
Latimer, Kenneth E., London, England, assignor to The Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Attenuator for high-frequency electric signaling systems. 2,525,554, Oct. 10.
Latimer, Wendell M.: *See*—
Calvin, Melvin and Latimer.
Lato, Joseph, Houston, Tex. Power clock. 2,521,923, Sept. 12.
Latour, André, Grenoble, France. Gas blast circuit breaker. 2,494,661, Jan. 17.
Latour, André, Grenoble, France. Switch chamber for alternating currents. 2,519,772, Aug. 22.
Latour, André, and R. Chambrillon, assignors to Etablissements Merlin & Gerin, Grenoble, France. Electric discharge device with auxiliary electrode. 2,508,954, May 23.
Latshaw, Elmer: *See*—
Chapman, James F.
Latta, James E.: *See*—
Walker, Scott W., and Latta.
Latta, John F., assignee: *See*—
MacKinnon, Horatio W.
Lattin, William J., Owensboro, Ky. Radio antenna system. 2,535,298, Dec. 26.
Laub, Henry C., Council Bluffs, Iowa. Curtain threading device for curtain rods. 2,517,217, Aug. 1.
LauBach, Neal B., and J. B. Baird, assignors to Hudson Engineering Corporation, Houston, Tex. Fan ring. 2,524,390, Oct. 3.
Laube, Charles G., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Ion exchange resins. 2,525,227, Oct. 10.
Laube, Max, Minneapolis, Minn., assignor to The L. S Starrett Company, Athol, Mass. Clamp. 2,520,884, Aug. 29.
Lauber, Eduard T., Uitikon, Zurich, Switzerland. Lighter. 2,514,709, July 11.
Lauber, John A., assignor to Continental Optical Company, Inc., Rochester, N. Y. Spectacle frame. 2,516,006, July 18.
Laubhan, Herman R., Inglewood, Calif. Batter dispenser. 2,496,728, Feb. 7.
Laubi, Otto, and M. Gerber, Zurich, Switzerland. Preparation of sulfuric acid and sodium chloride from sodium sulfate solutions. 2,531,137, Nov. 21.
Lauck, John A., Shaker Heights, Ohio, assignor to Borg-Warner Corporation, Chicago, Ill. Pump-gear and piston combination with unloading. 2,512,025, June 20.
Lauck, John A., Shaker Heights, and J. A. Compton, South Euclid, Ohio, assignors to Borg-Warner Corporation, Chicago, Ill. Pump-multiple piece bushing. 2,527,941, Oct. 31.
Lauck, John A., South Euclid, Ohio, assignor to Borg-Warner Corporation, Chicago, Ill. Pump—gear type with unloading. 2,505,191, Apr. 25.
Laucks, Howard H., Maywood, assignor to Bendix Aviation Corporation, Teterboro, N. J. Cover cap fastening means. 2,501,526, Mar. 21.
Laudien, Julius A., Gary, Ind. Sawdust removing attachment for handsaws. 2,522,182, Sept. 12.
Laudig, James J., Scranton, Pa. Railroad journal bearing. 2,498,994, Feb. 28.
Lauenstein, Carl F., Indianapolis, Ind., assignor to Link-Belt Company. Increasing the fatigue strength of chain links. 2,517,497, Aug. 1.
Lauer, George E., Oakland, Calif. Damper latch. 2,535,639, Dec. 26.
Lauer, George G., New York, N. Y., H. J. Passino, Englewood, N. J., and J. R. Segesser, Oakland, Calif., assignors to The M. W. Kellogg Company, Jersey City, N. J. Separation of organic compounds. 2,516,126, July 25.

Lauer, George G., New York, N. Y., and H. J. Passino, Englewood, assignors to The M. W. Kellogg Company, Jersey City, N. J. Separation of organic compounds. 2,516.127, July 25.
Laughead, Gordon, Company, assignee: *See*— Laughead, Gordon, and Anderson.
Laughead, Gordon, and O. H. Anderson, assignors to Gordon Laughead Company, Grand Haven, Mich. Airplane flight instruction device. 2,526,371, Oct. 17.
Laughlin, Edwin R., West Newton, Mass., and R. W. Foulk, Bridgeport, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Dyeing of cellulose esters with reduced vat dyes in alcoholic solution. 2,518,153, Aug. 8.
Laughlin, Homer, China Company, The, assignee: *See*— Emerson, Walter H.
Laughlin, Kenneth C., Wilmington, Del., assignor to Standard Oil Development Company. Preparation of mercaptans. 2,514,300, July 4.
Laughlin, Roy M., Seattle, Wash. Guide and supporting means for portable power saws. 2,513,497, July 4.
Laughner, Ernest M., Jeannette, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Resistance welding apparatus. 2,501,343, Mar. 21.
Lauhoff Grain Company, assignee: *See*— Darling, Elton R., and Yelland.
Laukus, Paul, Sr., assignor to Irwin Foundry and Mine Car Company, North Huntington Township, Westmoreland County, Pa. Railway car truck. 2,513,266, June 27.
Laukus, Paul, Sr., North Huntington Township, Westmoreland County, Pa., assignor to Irwin Foundry and Mine Car Company, Irwin, Pa. Mine car coupling bar. 2,514,710, July 11.
Laulhere, Bernard M., Jr., assignee: *See*— Mitchell, William F.
Laun, Hellmut, Salzburg, Austria. Tampon. 2,519,912, Aug. 22.
Launder, James M., assignor to The Electric Auto-Lite Company, Toledo, Ohio. Detachable coupling. 2,535,016, Dec. 19.
Laurant, Fernand R. H., Paris, assignor to Etablissements Alba, Asmieres, Seine, France. Electromagnetically controlled friction clutch. 2,522,622. Sept. 19.
Laurantus, Nicholas, Narrandera, New South Wales, Australia. Remote control gate. 2,520,642, Aug. 29.
Laure, George R., Kalamazoo, Mich. Plastic roller. 2,497,224, Feb. 14.
Laurenson, Robert M., Verona, assignor to The Union Switch & Signal Company, Swissvale, Pa. Coded track circuit system involving highway crossing signal control. 2,512,343, June 20.
Laurent, Eugene V., Charleston, W. Va. Rocking axle structure. 2,500,081, Mar. 7.
Laurent, Milton P., Houston, Tex. Combination brush spacer and support for rotatable pipe cleaning machine brushes. 2,499,655, Mar. 7.
Lauricella, John W., Passaic, and W. H. Stracener, Teaneck, assignors to Bendix Aviation Corporation, Teterboro, N. J. Frequency regulator. 2,521,639, Sept. 5.
Laurie, Kenneth S., assignor to J. Dalglish, Glasgow, Scotland. Apparatus for drying webs of material, especially stentering machines. 2,493,253, Jan. 3.
Laurin, Elmer F., Arlington Heights, Ill. Interest computing device. 2,531,633, Nov. 28.
Laurin, Sven L., Goteborg, Sweden. Fish dressing machine. 2,521,640, Sept. 5.
Lauritsen, Charles C., Pasadena, Calif., assignor to the United States of America as represented by the Secretary of the Navy. Fuse. 2,498,043, Feb. 21.
Lauritsen, Charles C., Pasadena, Calif., assignor to the United States of America as represented by the Secretary of the Navy. Pressure armed fuse. 2,513,185, June 27.
Lauritsen, Charles C., Pasadena, Calif., assignor to the United States of America as represented by the Secretary of the Navy. Multiple rocket motor. 2,515,048, July 11.
Lauritsen, Charles C., and O. C. Wilson, Pasadena, Calif., assignors to the United States of America as represented by the Secretary of the Navy. Rocket motor relief means construction. 2,515,049, July 11.
Lautenschlager, Harry G., Cincinnati, Ohio. Pressing iron holder. 2,493,201, Jan. 3.
Lauterbach, Norman E.: *See*— Ries, Edward J.
Lauve, Louis L.: *See*— Enkur, Edward M., Pahl, and Lauve.
L'Auxiliare Industrielle, assignee: *See*— Laraque, Roland.
Lavallee, Eugene V.: *See*— Logan, Joseph A., and Lavallee.
Lavanish, Michael, Cleveland, Ohio. Tie clasp and article holder. 2,528,527, Nov. 7.
Laverdure, Robert, Aubagne, France. Periscopic pointing device. 2,523,577, Sept. 26.
Lavere, Thomas L., Bethel, Vt. Sink trap plug. 2,528,660, Nov. 7.
Laverell, William D., Norristown, T. M. Walton, and F. H. Mumberg, assignors to Precision Thermometer & Instrument Company, Philadelphia, Pa. Thermoregulator. 2,498,212, Feb. 21.
Laverty, Francis W., and A. B. Cole, assignors to Clark Bros. Co., Inc., Olean, N. Y. Liquefaction system. 2,500,129, Mar. 7.
Lavery, Grant G., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Polarized electromagnet. 2,511,114, June 13.
Lavery, Richard T., Sr., Gates Mills, assignor of one-half to E. G. Fahlman, Medina, Ohio. Tail set. 2,508,117, May 16.
La Via, Joseph, Jr., Ridgewood, N. Y. Time-controlled means for automatic radio tuning. 2,495,530, Jan. 24.
La Vietes, George E., New Haven, and M. P. Nichols, North Haven, Conn., said Nichols assignor to said La Vietes. Collapsible brush. 2,507,340, May 9.
Lavin, Edward, assignor to Shawinigan Resins Corporation, Springfield, Mass. High viscosity polyvinyl alcohol. 2,499,924, Mar. 7.
Lavin, Edward, and A. T. Marinaro, Springfield, and W. R. Richard, West Springfield, assignors to Shawinigan Resins Corporation, Springfield, Mass. Preparation of polyvinyl acetal resins of improved stability. 2,496,480, Feb. 7.
La Vine, Luis, Los Angeles, Calif. Food products and making same. 2,528,008, Oct. 31.
LaVonier, Ralph P.: *See*— Bentley, Harold P., and LaVonier.
Law, Edgar H., Gerrards Cross, assignor to Rolls Razor Limited, London, England. Safety razor. 2,517,794, Aug. 8.
Law, Harold B., Princeton, N. J., assignor to Radio Corporation of America. Target for pickup tubes. 2,493,539, Jan. 3.
Law, Harold B., Princeton, N. J., assignor to Radio Corporation of America. Making fine mesh screens. 2,529,086, Nov. 7.
Law, Hazel, Los Angeles, Calif. Swimming pool shield. 2,517,393, Aug. 1.
Law, Homer C., Seattle, Wash. Dispenser for granulated or powdered material. 2,505,412, Apr. 25.
Law, Philip B.: *See*— Olpin, Henry C., and Law.
Law, Russell R., Princeton, N. J., assignor to Radio Corporation of America. High-frequency cavity resonator apparatus. 2,501,181, Mar. 21.
Law, Russell R., Princeton, N. J., assignor to Radio Corporation of America. Frequency control system. 2,503,394, Apr. 11.
Law, Russell R., Princeton, N. J., assignor to Radio Corporation of America. Amplitude modulation. 2,507,721, May 16.
Law, Russell R., Princeton, N. J., assignor to Radio Corporation of America. Viewing screen. 2,510,344, June 6.
Law, Vincent P., Kansas City, Mo. Rake. 2,511,642, June 13.
Law, William E., Windsor, Calif. Shaker. 2,519,671, Aug. 22.
Lawe, Thomas: *See*— Sturrock, Murray G., and Lawe.
Lawellin, William D., Goltry, Okla. Combination siding, wrecking, and nail extracting tool. 2,525,226, Oct. 10.
Lawhead, Robert E.: *See*— Cheney, Raymond E., Wagner, and Lawhead.
Lawhon, Charles D., Stratford, assignor to Robertshaw-Fulton Controls Company, Bridgeport, Conn. Controlling device for gas torches. 2,524,730, Oct. 3.
Lawler, William P.: *See*— Mackay, Johnstone S., and Lawler.
Lawless, Charles F., Los Angeles, Calif. Composition for bluing metal. 2,519,672, Aug. 22.
Lawless, Elmer V., Overton, Tex. Releasable doorstop. 2,504,540, Apr. 18.
Lawlor, Joseph P., Ames, Iowa. Water-treating process and apparatus. 2,495,937, Jan. 31.
Lawn Mulcher Company, Inc., assignee: *See*— Elliott, Harold K., and Johnston.
Lawrence, Andrew, assignor of one-half to S. E. Laszlo, New York, N. Y. Pneumatic pistol. 2,525,689, Oct. 10.
Lawrence, Athol E. N., Johannesburg, Transvaal, Union of South Africa. Acoustical diaphragm with stiffening means. 2,531,634, Nov. 28.
Lawrence, Benjamin J., Milford, Conn., assignor to General Electric Company. High-frequency receiver circuits. 2,511,673, June 13.
Lawrence, Benjamin J., Milford, Conn., assignor to General Electric Company. High-frequency coil arrangement. 2,535,686, Dec. 26.
Lawrence, Donald M.: *See*— Lehman, Samuel K., and Lawrence.
Lawrence, Donald M., Newark, assignor to Bendix Aviation Corporation, Teterboro, N. J. Lubricant metering system. 2,495,976, Jan. 31.
Lawrence, Donald M., and D. Gregg, Caldwell, and M. L. Taylor, Ridgewood, assignors to Bendix Aviation Corporation, Teterboro, N. J. Air distributor valve and system for the elimination of ice from aircraft. 2,515,519, July 18.
Lawrence, Durward L., assignor of one-half to S. Hamra, Steele, Mo. Attachment for retaining the mouth of a flexible container in an extended position. 2,527,746, Oct. 31.

Lawrence, Ernest O., and V. B. Waithman, Berkeley, Calif., and F. H. Schmidt, Seattle, Wash., assignors to the United States of America as represented by the United States Atomic Energy Commission. Electronic regulator. 2,530,169, Nov. 14.

Lawrence, Harold M., assignee: *See*—
Ewart, John.

Lawrence, Howard C., Jr.: *See*—
Freas, Robert R., Jr., and Lawrence.

Lawrence, Howard C., Jr., Delaware Township, Camden County, N. J., assignor to Radio Corporation of America. Tuning inductance for automatic tuning systems. 2,524,199, Oct. 3.

Lawrence, Howard F.: *See*—
Arnold, Charles B., and Lawrence.

Lawrence, John R., assignor to The Washburn Company, Worcester, Mass. Egg beater. 2,505,362, Apr. 25.

Lawrence Machine and Pump Corporation, assignee: *See*—
Mill, Victor J.

Lawrence Manufacturing Company, assignee: *See*—
Stevens, Brooks, Jr.

Lawrence, Margaret E., Summerville, Ga. Apparatus for turning milk. 2,511,643, June 13.

Lawrence, Marion E., assignor to H. E. Farr, Long Beach, Calif. Line tightener. 2,496,249, Jan. 31.

Lawrence, Nathaniel Q., L. W. Germany, and C. H. Babbs, assignors to Pye Limited, Cambridge, England. View finder for television cameras. 2,526,144, Oct. 17.

Lawrence, Ray V., and M. W. Kaufmann, New Orleans, La., assignors to the United States of America as represented by the Secretary of Agriculture. Modified rosin esters. 2,504,989, Apr. 25.

Lawrence, Robert A., Brimley, Mich. Snow tractor. 2,528,890, Nov. 7.

Lawrence, Robert R., Ludlow, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Polyvinyl butyral composition. 2,517,218, Aug. 1.

Lawrence, Robert W.: *See*—
Cairns, Robert W., and Lawrence.

Lawrence, Roger C., Ridgewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for forming and identifying articles. 2,521,123, Sept. 5.

Lawrence, Ruth M., Homewood, assignor of one-half to M. L. Walls, Birmingham, Ala. Sewed seam ripper. 2,520,769, Aug. 29.

Lawrence, Theodore, assignee: *See*—
Nogle, James E.

Lawrence Universal Pallet Corporation, assignee: *See*—
Benoist, Louis A., and Pursley.

Lawrence, Victor J., Pittsburgh, Pa. Stand attachment for musical instruments. 2,517,896, Aug. 8.

Lawrence, William A., Coconut Grove, Fla. Hair drying apparatus. 2,527,745, Oct. 31.

Lawrenz, Charles E.: *See*—
Morgan, Philip F., and Lawrenz.

Laws, Robert B., Lancaster, Pa., assignor to B. H. Hubbert & Son, Inc., Baltimore, Md. Sleeve valve. 2,495,900, Jan. 31.

Lawson, Birdsall P., assignor to Pilling Chain Company, Providence, R. I. Slider necking machine. 2,523,380, Sept. 26.

Lawson, Dennis I., assignor to Pye Limited, Cambridge, England. Radio reflection distance finder. 2,520,553, Aug. 29.

Lawson, Dennis I., assignor to Pye Limited, Cambridge, England. Scanning circuits particularly for television apparatus. 2,524,530, Oct. 3.

Lawson, Dennis I., assignor to Pye Limited, Cambridge, England. Arrangement for modulating grounded grid amplifiers. 2,525,491, Oct. 10.

Lawson, Derek T., Liverpool, assignor to Electro-Hydraulics Limited, Warrington, England. Retractable undercarriage for aircraft. 2,529,401, Nov. 7.

Lawson, E. P., Co., Inc., assignee: *See*—
Seybold, Frederick W.

Lawson, Elmer J., East Greenbush, G. M. Fohlen, Albany, and Aaron Addelston, Flushing, N. Y., assignors to Sterling Drug Inc., Wilmington, Del. N-(diarylmethyl)-tertiary-aminoalkanamides and their preparation. 2,520,153, Aug. 29.

Lawson, F. H., Company, The, assignee: *See*—
Lumley, Maurice C.

Lawson, Herbert E., Silver Spring, Md. Primary battery depolarizer and making the same. 2,528,891, Nov. 7.

Lawson, James L., and F. W. Martin, Cambridge, Mass., assignors to the United States of America as represented by the Secretary of War. Logarithmic cascade amplifier. 2,496,551, Feb. 7.

Lawson, John D., Wolverhampton, England. Wireless aerial system. 2,513,498, July 4.

Lawson, John W.: *See*—
Brown, William E., and Lawson.

Lawson, John W., and W. E. Brown, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Switch. 2,511,069, June 13.

Lawson, John W., and W. E. Brown, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Electric switch. 2,531,377, Nov. 21.

Lawson, Joseph M., Memphis, Tenn. Selective gauge for ripsaws. 2,523,834, Sept. 26.

Lawson, Robert H., assignor to Scott & Williams, Incorporated, Laconia, N. H. Stop motion for knitting machines. 2,495,067, Jan. 17.

Lawson, Robert H., assignor to Scott & Williams, Incorporated, Laconia, N. H. Circular knitting machine with air cleaner. 2,522,183, Sept. 12.

Lawson, Robert H., Lakeport, assignor to Scott & Williams, Inc., Laconia, N. H. Strand feeding mechanism. 2,534,459, Dec. 19.

Lawson, Robert H., Lakeport, N. H., and S. F. Chiodine, Providence, R. I., assignors to Scott & Williams, Inc., Laconia, N. H. Rib knitted fabric containing inlaid rubber and bare knitted rubber. 2,503,444, Apr. 11.

Lawson, Robert H., Lakeport, and M. P. Dodds, assignors to Scott & Williams, Incorporated, Laconia, N. H. Sinker control means for circular knitting machines. 2,534,460, Dec. 19.

Lawson, Robert K., W. O. McClintock, and H. R. Hendrickson, Henderson, and F. W. Woodman, Boulder City, Nev., assignors, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Electrolysis of light metals. 2,514,283, July 4.

Lawson, Robert R.: *See*—
Ensign, George G., Lawson, Schaefer, and Wochos.

Lawson, Shelby D., Bartlesville, Okla., assignor to Phillips Petroleum Company. Reducing thermal shock high-temperature valve. 2,497,780, Feb. 14.

Lawson, Shelby D., Bartlesville, Okla., assignor to Phillips Petroleum Company. Water distribution over cooling coils. 2,507,604, May 16.

Lawson, Virginia A.: *See*—
Denton, John J., and Lawson.

Lawson, William E., Jr., Rahway, N. J. Sounding drinking receptacle for children. 2,504,541, Apr. 18.

Lawton, James W., Shreveport, La., assignor to Wink, Inc. Convertible crib, chair, and tray structure for infants. 2,520,941, Sept. 5.

Lax, Walter L., and J. Harrison, South Farnborough, England. Bomb and other stores containers for dropping from aircraft. 2,494,885, Jan. 17.

Laxo, Ed, assignor to Atlas Imperial Diesel Engine Co., Oakland, Calif. Latch operated clutch. 2,502,859, Apr. 4.

Laxo, Ed, assignor to Atlas Imperial Diesel Engine Co., Oakland, Calif. Can body end flanger with axially adjustable cam and turrent. 2,514,502, July 11.

Lay, John L., Ogden, assignor to A. H. Wirz, Inc., Chester, Pa. Affixing liners to caps. 2,494,047, Jan. 10.

Lay, Nathaniel B., Pine Bluff, Ark. Bowstring and making same. 2,508,521, May 23.

Lay, Mabel H., Wheatridge, Colo. Colostomy device. 2,503,056, Apr. 4.

Laycock, William E., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Manufacture of magnetic bodies from compressed powdered materials. 2,531,445, Nov. 28.

Layden, Thomas B., New Brunswick, N. J. Vapor generator for supplying vaporized liquid to fuel beds within combustion chambers. 2,505,901, May 2.

Layman, Eugene O.: *See*—
Ihrig, Harold K., and Layman.

Laymon, Paul M., assignee: *See*—
Cooper, Robert A.

Layne & Bowler, Incorporated, assignee: *See*—
Miller, Bert V.

Layng, Edwin T.: *See*—
Frankenburg, Walter G., and Layng.

Layng, Edwin T., New York, N. Y., assignor to The Polymerization Process Corporation, Jersey City, N. J. Conversion of hydrocarbons. 2,498,607, Feb. 21.

Layng, Edwin T., assignor to Hydrocarbon Research, Inc., New York, N. Y. Stainless steel catalyst for hydrocarbon synthesis. 2,506,226, May 2.

Layng, Edwin T., New York, N. Y., and L. C. Rubin, West Caldwell, assignors to The M. W. Kellogg Company, Jersey City, N. J. Desulfurization and conversion of a naphtha. 2,498,559, Feb. 21.

Laystrom, Carl A., Chicago, and H. R. Sigler, Argenta, assignors, by mesne assignments, to Faries Manufacturing Company, Chicago, Ill. Shelf construction. 2,506,602, May 9.

Laystrom, Carl A., Chicago, and H. R. Sigler, Argenta, assignors, by mesne assignments, to Faries Manufacturing Company, Chicago, Ill. Bathroom cabinet with shelf. 2,511,778, June 13.

Lázaga, Francisco F., La Víbora, Habana, Cuba. Hydraulic differential transmission. 2,517,897, Aug. 8.

Lazan, Benjamin J., Greenwich, Conn., assignor, by mesne assignments, to The Baldwin Locomotive Works. Vibration testing apparatus. 2,496,632, Feb. 7.

Lazard, Paul, Luxemburg, Luxemburg. Vertically adjustable table. 2,508,405, May 23.

Lazarian, Elizabeth, Jackson Heights, N. Y. Glove for jewelry display. 2,513,030, June 27.

Lazarus, Meyer, Forest Hills, N. Y. Argentous rectifier. 2,493,076, Jan. 3.

La-Z-Boy Chair Company, assignee: *See*—
Knabusch, Edward M., and Shoemaker.

Lazier, Wilbur A., Birmingham, Ala., and J. F. Vincent, Milledgeville, assignors to Stevens Industries, Inc., Dawson, Ga. Free-flowing nut product. 2,511,115, June 13.

Lazow, Morris, Brooklyn, N. Y. Folding box. 2,525,690, Oct. 10.
Lazzarini, Aldo, Van Nuys, Calif. Claw-lever-and-rack-actuated parallel jaw wrench. 2,500,461, Mar. 14.
Lazzarini, Aldo, Van Nuys, Calif. Lever and gear-sector operated locking parallel-jaw wrench. 2,500,462, Mar. 14.
Lea, Edward S., Morrisville, Pa., assignor to Buensod-Stacey, Incorporated, New York, N. Y. Machine for applying helical fins to cylindrical bodies by means including ironing tools. 2,498,813, Feb. 28.
Lea Fabrics, Inc., assignee: *See*— Buffington, Malcolm R.
Léa, Henry V.: *See*— Blackwelder, Ernest F., Léa, and Fleig.
Lea, Henry V., Rio Vista, Calif., assignor of twenty-one and one-fourth per cent to C. A. Loucks, thirty-six and one-fourth per cent to L. K. Schmidt, twenty-one and one-fourth per cent to A. M. Jongeneel, and twenty-one and one-fourth per cent to G. P. du Bose. Beet harvester. 2,516,470, July 25.
Lea Manufacturing Company, The, assignee: *See*— Weisberg, Louis.
Leach, Albert, Guelph, and J. Leach, Hamilton, Ontario, Canada. Tire traction cover. 2,535,299, Dec. 26.
Leach, Barton J., Live Oak, Calif. Boat trailer. 2,509,067, May 23.
Leach, Grover C., Brownwood, Tex. Grinder. 2,526,822, Oct. 24.
Leach, H., Machinery Co., assignee: *See*— Leach, Max.
Leach, James: *See*— Leach, Albert and J.
Leach, Kant F., Englewood, Colo. Wrench holder. 2,530,307, Nov. 14.
Leach, Max, Providence, R. I., assignor to H. Leach Machinery Co. Belt shifter. 2,499,273, Feb. 28.
Leach, Raymond A., Everett, Pa. Wheel alignment instrument. 2,509,466, May 30.
Leach, Thomas L., San Mateo, Calif., assignor to H. S. Crocker Co., Inc. Display card. 2,506,461, May 2.
Leader Electric Manufacturing Corporation, assignee: *See*— Zuley, Edward A.
Leaders, William M., Chicago, Ill., assignor, by mesne assignments, to Swift & Company. Rendering fat. 2,503,205, Apr. 4.
Leaders, William M., and W. Argue, Houston, Tex., assignors, by mesne assignments, to Swift & Company. Treatment of spent bleaching agents. 2,509,509, May 30.
Leaders, William M., Houston, Tex., and F. A. Norris, Chicago, Ill., assignors, by mesne assignments, to Swift & Company. Solvent fractionation of fatty material. 2,521,234, Sept. 5.
Leaf, Otto W., Minneapolis, Minn. Heated minnow bucket. 2,511,353, June 13.
Leaf, Philip, Jamaica, N. Y. Adjusting the length of trousers with cuffs. 2,524,814, Oct. 10.
Leahan, Frank E., Jamaica Plain, Mass. Animated display device. 2,500,899, Mar. 14.
Leahy, James F., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Forming plastic fastenings. 2,507,638, May 16.
Leake, James M., Monroe, Mich. Mower guard. 2,529,087, Nov. 7.
Leake, James M., Monroe, Mich. Making one-piece angular frame members. 2,529,088, Nov. 7.
Leake, James M., Monroe, Mich. Engine rocker arm. 2,529,089, Nov. 7.
Leaman, Clyde M., Wooster, Ohio. Rotary spiral tiller. 2,513,186, June 27.
Leaman, John: *See*— Wald, Morton, Brooks, and Leaman.
Leander, Russell J., Chicago, Ill. Masking paper. 2,510,120, June 6.
Leander, Russell J., assignor to Chicago Show Printing Co., Chicago, Ill. Adhesive display sign. 2,521,641, Sept. 5.
Leape, Charles B., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Noncrystalline synthetic resin holder. 2,495,173, Jan. 17.
Leape, Charles B., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Synthetic wire enamels and conductors insulated therewith. 2,495,172, Jan. 17.
Leaper, Joseph M. F., assignor to American Chemical Paint Company, Ambler, Pa. Preparing chloro-aryloxy acetic acids. 2,509,772, May 30.
Lear, Earl B., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Distributing valve for rock drills. 2,493,298, Jan. 3.
Lear, Earl B., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Tool retainer for rock drills. 2,500,038, Mar. 7.
Lear, George B., Shreveport, La. Model maker's clamp having removable jaws. 2,530,203, Nov. 14.
Lear, Incorporated, assignee: *See*— Lear, William P.
Lear, William P., North Hollywood, Calif., assignor, by mesne assignments, to Lear, Incorporated, Grand Rapids, Mich. Mechanical actuator system. 2,500,691, Mar. 14.
Leardi, Thomas A., London, E. J. Long, County Durham, and M. J. Stephens, Catford, London, England. Cowl for chimneys or ventilator shafts. 2,514,247, July 4.
Learned, Charles G., and E. L. Cull, assignors to The Okadee Company, Chicago, Ill. Blowoff valve mechanism. 2,495,901, Jan. 31.
Learned, Vincent R.: *See*— Hansen, William W., and Learned.
Leary, Robert F., Rahway, and J. D. Garber, Cranford, N. J., assignors to Standard Oil Development Company. Polymers from the cyclic dimers of diolefines. 2,513,243, June 27.
Leas, John A., Springfield, Ill. Curtain stretching frame. 2,501,395, Mar. 21.
Leas, William J., and W. D. Rose, Tulsa, Okla., assignors to Standard Oil Development Company. Reversible displacement cell. 2,534,718, Dec. 19.
Leask, John A. T., Detroit, Mich. Carton assembling machine. 2,499,960, Mar. 7.
Leath, William M., Concord, assignor to Tide Water Associated Oil Company, San Francisco, Calif. Rust-inhibiting lubricating oil. 2,515,520, July 18.
Leatherman, Jerry M., Akron, Ohio. Adjustable frame hacksaw. 2,514,880, July 11.
Leathers, Chester F., Detroit, Mich., assignor to Progressive Welder Company. Saturable reactor battery charger. 2,523,472, Sept. 26.
Leathers, Ward, Brooklyn, N. Y. Individual drink refrigerator. 2,501,905, Mar. 28.
Leathers, Ward Brooklyn, and L. Bruehl, assignors to International Business Machines Corporation, New York, N. Y. Circuit making and breaking mechanism. 2,502,967, Apr. 4.
Leathers, Ward, and G. S. Di Monico, Brooklyn, assignors to International Business Machines Corporation, New York, N. Y. Gyro caging device. 2,521,379, Sept. 5.
Leavengood, Charles B., Enid, Okla. Posthole digger. 2,533,123, Dec 5.
Leavitt Machine Company, The, assignee: *See*— Dexter, Frederick A.
Leavitt, Roger P., and W. M. White, assignors to Eastman Kodak Company, Rochester, N. Y. Automatic contact printer. 2,533,481, Dec. 12.
Le Barre, Dwight, Detroit, Mich., assignor to Borg-Warner Corporation, Chicago, Ill. Bathtub mounting. 2,533,591, Dec. 12.
Lebedeff, Michael N., Chicago, Ill., assignor to Chicago Bridge & Iron Company. Seal support for floating roof tanks. 2,495,742, Jan. 31.
Lebeis, Edward H., Jr.: *See*— Milliken, Thomas H., and Lebeis.
Leben, Leslie, Welwyn Garden City, England, assignor to Imperial Chemical Industries Limited. Hose pipe and making same. 2,512,433, June 20.
Lebermann, Glen E., Rock Island, Ill. Copying device. 2,519,384, Aug. 22.
Lebert, Herbert A., Cheyenne, Wyo., assignor to United Air Lines, Inc., Chicago, Ill. Upsetting a hollow rivet. 2,535,079, Dec. 26.
Lebertre, Maurice: *See*— Mozzanini, Georges G., and Lebertre. Mozzanini, Georges-Gabriel, and Lebertre.
Lebeson, Herman, and A. H. Field, assignors to National Syrup Products Co., Chicago, Ill. Preparation of fondants, fudges, and the like. 2,504,542, Apr. 18.
Le Bihan, Henri: *See*— Dechamps, Georges, H. Le Bihan, and Beaudet.
Le Blanc, Arthur R., Salem, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Work spreader for hide and skin treating machines. 2,501,182, Mar. 21.
Leblanc, Maurice E., Chatou, assignor to Société Anonyme des Tissages Lesur, Paris, France. Shifting drum for raschel and similar looms. 2,499,656, Mar. 7.
Le Blanc, Osias J., North Oxford, and R. S. Schedin, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Weft replenishing mechanism for looms. 2,497,613, Feb. 14.
LeBlond, R. K., Machine Tool Co., The, assignee: *See*— Groene, William F., Siekmann, and Meyer. Hartley, Albert L., Davis, and Whalen. Kemper, Harry C., and Siekmann. Le Blond, Richard K., and Kemper. Siekmann, Harold J., and Bacon. Siekmann, Harold J., and Kasselmann. Siekmann, Harold J., and Kemper. Waterson, Arthur P.
Le Blond, Richard K., Cincinnati, and H. C. Kemper, Goshen Township, Clermont County, assignors to The R. K. LeBlond Machine Tool Co., Cincinnati, Ohio. Hydraulic gear shifting mechanism. 2,493,299, Jan. 3.
Leboeuf, Joseph, Jonquiere, Quebec, Canada. Concentrating apparatus and method. 2,503,395, Apr. 11.
Leboime, René, Collonges, and H. Jacqueau, Paris, France; vested in the Attorney General of the United States. Balloon envelope fabric. 2,523,312, Sept. 26.
Lebold, Samuel N., assignor to Morris Paper Mills, Chicago, Ill. Bottle carrier. 2,505,192, Apr. 25.
Le Bon, George, Great Neck, N. Y. Hand abrading tool. 2,507,914, May 16.
Lebourg, Maurice P., assignor to Schlumberger Well Surveying Corporation, Houston, Tex. Side wall sample taker. 2,511,408, June 13.

Le Bovit, David, Newark, N. J. Sewing-machine guide. 2,520,415, Aug. 29.

Le Bozec, Leon, Courbevoie, and G. Gautier, Mesnil-le-Roy, France. Fuel injecting means for motors. 2,535,937, Dec. 26.

Le Breton, Eliane, and P. Gregory, assignors to "Societe Organico," Paris, France. Treating castor oil bean cake. 2,509,511, May 30.

Le Breton, Eliane, and P. Gregory, assignors to "Societe Organico," Paris, France. Treating castor press cake. 2,516,128, July 25.

Lebus, William A., assignor to The Protectoseal Company, Chicago, Ill. Switch heater. 2,530,473, Nov. 21.

Le Calvez, Philippe Y. M., assignor to Societe Française Sadir-Carpentier, Paris, France. Duplex telegraph system. 2,509,829, May 30.

Lecarme, Jacques A. M., Aix-en-Provence, assignor to Societe Anonyme dite:Societe Nationale de Constructions Aeronautiques du Sud-Est, Paris, France. Aircraft control. 2,497,127, Feb. 14.

Lecarme, Jacques A. M., Aix-en-Provence, assignor to Societe Anonyme: Societe Nationale de Constructions Aeronautiques du Sud-Est, Paris, France. Mechanical device forming a control assembly applicable in steering elements, more particularly as used in aircraft construction. 2,522,284, Sept. 12.

Lecher, Hans Z., Plainfield, and G. S. Watson, Martinsville, N. J., assignors to American Cyanamid Company, New York, N. Y. Separation of hydrazobenzenes from zinc sludge. 2,519,673, Aug. 22.

Lecher, Hans Z., Plainfield, R. E. Brouillard, Bound Brook, and V. A. Giambalvo, Somerville, N. J., assignors to American Cyanamid Company, New York, N. Y. Preparation of salts of phthalocyanine pigments. 2,524,672, Oct. 3.

Lechich, George P.: *See*—
Lewon, Rubin, and Lechich.

Lechmere, Walter F., assignor to The James Cycle Company Limited, Birmingham, England. Motor cycle frame. 2,535,540, Dec. 26.

Lechtenberg, Leo J., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Air cleaner. 2,510,825, June 6.

Le Clair, Camille C. S., Acton, London, assignor to Tecalemit Limited, Brentford, England. Lubricating system. 2,493,490, Jan. 3.

Le Clair, Camille C. S., Acton, London, assignor to Tecalemit Limited, Brentford, England. Vehicle lift. 2,498,086, Feb. 21.

Le Clair, Camille C. S., Acton, London, assignor to Tecalemit Limited, Brentford, England. Multiple pump. 2,504,543, Apr. 18.

Le Clair, Camille C. S., Acton, London, assignor to Tecalemit Limited, Brentford, England. Centrifuging apparatus. 2,519,971, Aug. 22.

Le Clair, Camille C. S., Acton, London, assignor to Tecalemit Limited, Brentford, England. Coupling for lubrication systems. 2,521,069, Sept. 5.

Le Clair, Camille C. S., Acton, London, assignor to Tecalemit Limited, Brentford, England. Liquid or lubricant distribution system. 2,521,177, Sept. 5.

Le Clair, Camille C. S., Acton, London, assignor to Tecalemit Limited, Brentford, England. Multiple filter. 2,526,372, Oct. 17.

Le Clair, Camille C. S., Acton, London, assignor to Tecalemit Limited, Brentford, England. Controlling electric motors. 2,526,373, Oct. 17.

Le Clair, Camille C. S., Acton, London, assignor to Tecalemit Limited, Brentford, England. Grease gun with coaxial follower and impeller. 2,526,374, Oct. 17.

Le Clair, Camille C. S., Acton, London, assignor to Tecalemit Limited, Brentford, England. Liquid flow meter for measuring a predetermined volume. 2,534,979, Dec. 19.

Le Clerc, Henry J., Cambridge, and P. J. Le Clerc, West Medford, Mass. Oil burner with preheating and igniting means. 2,501,396, Mar. 21.

Le Clerc, Philip J.: *See*—
Le Clerc, Henry J. and P. J.

Le Compte, George C., Arlington, Va. Modification of and shrinkproofing of wools with amines. 2,493,765, Jan. 10.

Le Compte, George C., North Arlington, Va. Classification of wool. 2,499,395, Mar. 7.

Le Comte, Joseph O., Cleveland, Ohio. Micrometer dust guard. 2,529,561, Nov. 14.

Lecron, Albert, Paris, France, assignor to Pilkington Brothers Limited, Liverpool, England. Method and apparatus for polishing glass. 2,508,276, May 16.

Le Cron, Leslie: *See*—
Brockway, Wilhelm W., Le Cron, and Young.

Lectra Products, Inc., assignee: *See*—
Williams, Earl J.

Lecuir, René, Paris, France, assignor to Societe Francaise Radio Electrique. Manufacture of articles made from ceramic or similar materials. 2,510,504, June 6.

Ledbetter, James C.: *See*—
Machleder, Irving.

Ledbetter, Robert C., Pittsburgh, Pa. Lawn edge trimmer. 2,499,070, Feb. 28.

Ledbetter, Tracy Z., assignor of one-third to J. C. Carr, Detroit, Mich. Foldable seat. 2,507,639, May 16.

Ledeboer, Johan M., and A. W. Vingerhoets, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. X-ray apparatus. 2,506,674, May 9.

Ledecq, Fernand E.: *See*—
Clark, Edward M., and Ledecq.

Ledel, Carl, assignor of one-third to P. Rice and one-third to S. Schuster, Los Angeles, Calif. Collapsible furniture leg. 2,497,552, Feb. 14.

Ledel, Carl, assignor of one-third to P. Rice and one-third to S. Schuster, Los Angeles, Calif. Forming die. 2,512,161, June 20.

Lederer, Karl M., assignor to Weston Electrical Instrument Corporation, Newark, N. J. Instrument panel assembly. 2,495,531, Jan. 24.

Ledgett, Lowell A., Ridgewood, N. J. Three-dimensional model. 2,523,508, Sept. 26.

Ledin, Charles, assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Compartment door latch. 2,494,048, Jan. 10.

Le Duc, Joseph E., Mount Royal, Quebec, assignor of twenty-five per cent to L. Lemieux and twenty-five per cent to R. Cote, Montreal, Quebec, Canada. Combined road signal and utility box. 2,517,119, Aug. 1.

Ledwinka, Joseph, Philadelphia, and G. Trautvetter, Jenkintown, assignors to The Budd Company, Philadelphia, Pa. Underframe, especially for railcars. 2,504,933, Apr. 18.

Lee, Arthur L., Upper Arlington, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company. Articulated locomotive. 2,506,460, May 2.

Lee, Arthur L., Upper Arlington, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company. Shuttle car. 2,507,341, May 9.

Lee, Arthur L., Upper Arlington, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company. Ventilator. 2,511,535, June 13.

Lee, Arthur L., Upper Arlington, Ohio, assignor to The Jeffrey Manufacturing Company. Gearing control for drilling machine trucks or the like. 2,512,497, June 20.

Lee, Arthur L., Upper Arlington, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company. Bearing assembly. 2,527,942, Oct. 31.

Lee, Arthur L., Upper Arlington, Ohio, assignor to The Jeffrey Manufacturing Company. Hydraulic valve and system. 2,527,943, Oct. 31.

Lee, Arthur L., Upper Arlington, Ohio, assignor to The Jeffrey Manufacturing Company. Mining machine lubrication. 2,530,249, Nov. 14.

Lee. Arthur L., Upper Arlington, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company. Tramming locomotive. 2,530,472, Nov. 21.

Lee, Burton D., Houston, Tex., assignor to The Texas Company, New York, N. Y. Variable resistance. 2,511,924, June 20.

Lee, Charles M., assignor to Eastman Kodak Company, Rochester, N. Y. End play eliminating means for lens tubes. 2,503,750, Apr. 11.

Lee, Charles M., assignor to Eastman Kodak Company, Rochester, N. Y. Attaching means for lens mounts. 2,511,212, June 13.

Lee, Charles M., and G. L. Barringer, assignors to Eastman Kodak Company, Rochester, N. Y. Temperature compensating means for lens mounts. 2,533,478, Dec. 12.

Lee, Charles O.: *See*—
Lee, Clarence M., Charles O., and Oscar.

Lee, Chin Y., and Q. H. Hu, New York, N. Y. Bottom margin control device for typewriters. 2,535,539, Dec. 26.

Lee, Clarence M., C. O. Lee and O. Lee, assignors to Lee Hydraulic Machinery, Inc., Waseca, Minn. Tilemaking machine. 2,497,174, Feb. 14.

Lee, Clarence O.: *See*—
McIver, DeWitt T., Lee, and Axelrad.

Lee, Clyde, Mountain View, Okla. Vibrating machine. 2,514,078, July 4.

Lee, David C. R., E. M. Bosson, and C. G. Vokes, assignors to Vokes Limited, Guildford, England. Oil-bath air cleaner. 2,509,510, May 30.

Lee, Donald D., Charleston, and C. Sparacino, Belle, W. Va., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Catalytic oxidation of ketones. 2,511,475, June 13.

Lee, Earl E., Hayes, Kans. Lawn mower having circular blades. 2,504,268, Apr. 18.

Lee, Earl G.: *See*—
Worden, William L., and Lee.

Lee, Edward W.: *See*—
Hart, John A. H., and Lee.

Lee, Edwin C., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Joint and termination for electric power cables. 2,523,313, Sept. 26.

Lee, Elizabeth L., and T. P. Lee, Los Angeles, Calif. Garment hanger. 2,495,335, Jan. 24.

Lee, Ellen G.: *See*—
Stewart, Hugh W., and Lee.

Lee, Elmer S., Woodbine, Iowa. Gravity feed animal feeder. 2,494,950, Jan. 17.

Lee Engineering Research Corporation, assignee: *See*—
Lee, Royal.

Lee, Ernest D., Teaneck, and R. J. Schefbauer, Jr., Union City, N. J., assignors to Interchemical Corporation, New York, N. Y. Preparation of resinous materials. 2,505,865, May 2.
Lee, Ernest D., Teaneck, and R. J. Schefbauer, Jr., Union City, N. J., assignors to Interchemical Corporation, New York, N. Y. Printing ink. 2,505,866, May 2.
Lee, Ernest D., Sparta, and R. J. Schefbauer, Jr., Hasbrouck Heights, N. J., assignors to Interchemical Corporation, New York, N. Y. Improving the properties of natural resins and the products obtained thereby. 2,531,776, Nov. 28.
Lee, Floyd J., Fullerton, Calif., assignor to Akron Brass Mfg. Company, Inc., Wooster, Ohio. Spray head for fire sprinkler systems. 2,493,982, Jan. 10.
Lee, Floyd J., Fullerton, Calif., assignor to Akron Brass Mfg. Company, Inc., Wooster, Ohio. Fire hose support. 2,533,823, Dec. 12.
Lee, Floyd J., assignor to Fog Nozzle Company, Los Angeles, Calif. Hose cabinet. 2,517,118, Aug. 1.
Lee, Floyd J., Pasadena, Calif. Adjustable valve seal or the like. 2,505,413, Apr. 25.
Lee, Francis H., San Pedro, assignor to Baker Oil Tools, Inc., Vernon, Calif. Well cementing device. 2,531,942, Nov. 28.
Lee, Francis H., San Pedro, assignor to Baker Oil Tools, Inc., Vernon, Calif. Collar apparatus for cementing casings in wells. 2,531,943, Nov. 28.
Lee, Fred A., Fort Wayne, Ind., assignor to International Harvester Company. Cylinder head construction for water-cooled engines. 2,507,722, May 16.
Lee, Fred A., and F. J. Shappell, Fort Wayne, Ind., assignors to International Harvester Company. Connecting rod and cap and making same. 2,533,822, Dec. 12.
Lee, Geoffrey P., St. Albans, and N. D. Macleod, Delwyn, Garden City, England, assignors to Imperial Chemical Industries Limited. Antistatic polyethylene compositions containing water-insoluble aliphatic alcohols or ethylene-oxide condensation products. 2,525,691, Oct. 10.
Lee, George A.: *See*—
Smith, Arthur R., Lee, and Hopkins.
Lee, George H.: *See*—
Ayres, Waldemar A., Wathen, and Lee.
Lee, George H., Troy, N. Y. Frequency modulation system. 2,511,860, June 20.
Lee, Harold J.: *See*—
Kennedy, James M., Knight, and Lee.
Lee, Harry E., Oswego, assignor to St. Regis Paper Company, New York, N. Y. Valve bag. Re. 23,230, May 16.
Lee, Henry R., and V. Weinmayr, Pitman, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. (5-chloro-2-thenoyl)-o-benzoic acid. 2,497,311, Feb. 14.
Lee, Henry R., and V. Weinmayr, Pitman, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. 2-chlorothiophanthraquinone. 2,497,312, Feb. 14.
Lee, Henry R., and V. Weinmayr, Pitman, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Nitro-thiophanthraquinones. 2,501,131, Mar. 21.
Lee, Henry R., and V. Weinmayr, Pitman, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Amino-thiophanthraquinones. 2,501,132, Mar. 21.
Lee, Henry R., Pitman, and C. F. Belcher, Bridgeton, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Thenoylaminoanthraquinones. 2,505,253, Apr. 25.
Lee, Henry R., and V. Weinmayr, Pitman, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Methyl-substituted 2-thenoyl-o-benzoic acids. 2,513,570, July 4.
Lee, Henry R., and V. Weinmayr, Pitman, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del Methyl-thiophanthraquinones. 2,513,571, July 4.
Lee, Henry R., and V. Weinmayr, Pitman, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Halogenated (2-thenoyl)-o-benzoic acids. 2,513,572, July 4.
Lee, Henry R., and V. Weinmayr, Pitman, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Nitro-(2-thenoyl)-o-benzoic acids. 2,513,573, July 4.
Lee, Henry R., and V. Weinmayr, Pitman, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Halogen thiophanthraquinones. 2,513,574, July 4.
Lee, Henry Y., Honolulu, Territory of Hawaii. Diaper garment. 2,500,255, Mar. 14.
Lee, Horace N.: *See*—
Stafford, Earl, and Lee.
Lee, Howard R., Portland, Oreg. Trailer hitch. 2,506,090, May 2.
Lee Hydraulic Machinery, Inc., assignee: *See*—
Lee, Clarence M., C. O., and O.
Lee, James E., Grand Haven, and F. Barney, Spring Lake, assignors to The Challenge Machinery Company, Grand Haven, Mich. Printer's quoin with expansion indicating means. 2,501,949, Mar. 28.
Lee, Jim, New York, N. Y. Folding and reclining armchair. 2,507,023, May 9.
Lee, Jim, New York, N. Y. Folding and reclining armchair. 2,507,024, May 9.
Lee, John, Essex Fells, assignor to Hoffmann-La Roche, Inc., Nutley, N. J. 1-methyl-4-p-methoxyphenyl-4-propionoxypiperidine hydrochloride. 2,498,430, Feb. 21.
Lee, John, Essex Fells, assignor to Hoffmann-La Roche, Inc., Nutley, N. J. 2-and 4-homocyclyl substituted piperidines. 2,498,431, Feb. 21.
Lee, John, Essex Fells, assignor to Hoffmann-La Roche, Inc., Nutley, N. J. 1-Branched lower alkyl-4-phenyl-4-acyloxy-piperidines and their acid addition salts. 2,498,432, Feb. 21.
Lee, John, Essex Fells, and A. Ziering, Newark, assignors to Hoffmann-La Roche Inc., Nutley, N. J. 1,3 Dimethyl-4-propionoxy-4-phenylpiperidine and acid addition salts thereof. 2,498,433, Feb. 21.
Lee, John, Essex Fells, and L. Berger, assignors to Hoffmann-La Roche Inc., Nutley, N. Y. 1-Lower alkyl-4-cyclohexyl-4-lower fattey acyloxy-piperidines and acid addition salts thereof. 2,498,434, Feb. 21.
Lee, John, Essex Fells, and L. Berger, assignors to Hoffmann-La Roche Inc., Nutley, N. J. Production of 1,3 dimethyl-4-phenyl-4-hydroxy-piperidine. 2,498,435, Feb. 21.
Lee, John G., Farmington, assignor to United Aircraft Corporation, East Hartford, Conn. Drive for helicopters. 2,498,283, Feb. 21.
Lee, John G., Farmington, assignor to United Aircraft Corporation, East Hartford, Conn. Helicopter with antitorque tail jet. 2,518,697, Aug. 15.
Lee, Leighton, II, assignor by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn. Control apparatus for internal-combustion engines. 2,517,688, Aug. 8.
Lee, Leighton, II, Meriden, assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn. Carburetor. 2,493,587, Jan. 3.
Lee, Leighton, II, Rocky Hill, assignor to Niles-Bement-Pond Company, West Hartford, Conn. Control apparatus. 2,502,573, Apr. 4.
Lee, Leighton, II, Rocky Hill, assignor to Niles-Bement-Pond Company, West Hartford, Conn. Control apparatus for internal-combustion engines. 2,502,574, Apr. 4.
Lee, Louis B., Chicago, Ill. Printing and weighing apparatus. 2,515,412, July 18.
Lee, Mary F., Brooklyn, N. Y. Combined arch and sole footpad. 2,504,704, Apr. 18.
Lee, Maurice W., Boley City, Okla. Liquefied gas storage system. 2,535,364, Dec. 26.
Lee, Max M., New York, N. Y. Polymerization promoters. 2,520,601, Aug. 29.
Lee, Norman E., Forest Hills, N. Y. Mounting. 2,535,080, Dec. 26.
Lee, Oscar: *See*—
Lee, Clarence M., C. O., and O.
Lee, Oscar, Shaker Heights, assignor to Republic Steel Corporation, Cleveland, Ohio. Concentration of oölitic iron ores. 2,514,958, July 11.
Lee, Paul R., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Thermostatic switch. 2,500,760, Mar. 14.
Lee Products Company, assignee: *See*—
Trostler, William.
Lee, Ralph E., Detroit, Mich. Ice and snow melting mat. 2,497,998, Feb. 21.
Lee, Reuben, Linthicum Heights, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Saw-tooth wave generator. 2,504,849, Apr. 18.
Lee, Reuben R., Linthicum Heights, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. High fidelity modulator. 2,519,256, Aug. 15.
Lee, Richard J. F.: *See*—
Cryer, John, Owens, and Lee.
Lee, Richard W.: *See*—
Haworth, Leland J., Lee, and Sherwin.
Lee, Richard W., Watertown, and E. A. Holmes, Boston, Mass., assignors, by mesne assignments, to the United States of America as represented by the Secretary of War. Antenna tracking system. 2,519,773, Aug. 22.
Lee, Robert J.: *See*—
Brandt, Preston L., Lee, and Ridgway.
Radford, Herschel D., and Lee.
Radford, Hershel D., Lee, and Drennan.
Lee, Royal, Elm Grove, Wis. Compensated electric motor. 2,500,191, Mar. 14.
Lee, Royal, Elm Grove, assignor to Lee Engineering Company, Milwaukee, Wis. Dynamoelectric machine. 2,518,479, Aug. 15.
Lee, Royal, assignor to Lee Engineering Research Corporation, Milwaukee, Wis. Speed regulator. 2,500,190, Mar. 14.
Lee-Rowan Company, assignee: *See*—
Rowan, John V.
Lee Rubber & Tire Corporation, assignee: *See*—
Carlin, James C.
Costello, John B.
Nellen, Arthur H.
Lee, Russell: *See*—
Simpson, Thomas P., Ray, and Lee.
Lee, Samuel, Yonkers, assignor to Interchemical Corporation, New York, N. Y. Textile decorating. 2,504,136, Apr. 18.
Lee, Thomas P.: *See*—
Lee, Elizabeth L., and T. P.
Lee, Thomas W., Silverton, Ohio. Hod. 2,512,344, June 20.

Lee, William F., and W. O. Junker, Spartanburg, S. C.; said Lee assignor to said Junker. Two-piece double dog for roving machines. 2,496,168, Jan. 31.

Lee, William H., Toronto, Ontario, Canada. Combined floor waxer and polisher. 2,509,687, May 30.

Lee, William W., Corona, Calif. Device for supplying brake fluid. 2,509,570, May 30.

Leece-Neville Company, The, assignee: *See*— Niemi, William.

Leech, Kenneth H., and C. F. B. Shattock, London, England, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake apparatus. 2,498,498, Feb. 21.

Leed Company, The, assignee: *See*— Root, Morris J., and Reed.

Leedom, Harry B., Altadena, assignor to Capitol Records, Inc., Los Angeles, Calif. Record forming die. 2,501,823, Mar. 28.

Leeds and Northrup Company, assignee: *See*— Cherry, Robert H.
Cherry, Robert H., and Williams.
Clark, William R.
Davis, Elwood T.
McLeod, John H., Jr.
Mead, Harold G.
Moore, John H.
Perley, George A.
Williams, Albert J., Jr.

Leeds, Winthrop M.: *See*— Ludwig, Leon R., Baker, and Leeds.

Leedy, Haldon A., and M. Camras, assignors to Armour Research Foundation of Illinois Institute of Technology, Chicago, Ill. Multiple recorder. 2,528,279, Oct. 31.

Leedy, Leonard F., assignor to C. T. Blanchet, Los Angeles, Calif. Hair trimmer. 2,514,774, July 11.

Leef, John H., Minneapolis, Minn. Ironing apparatus. 2,497,128, Feb. 14.

Leef, John H., Minneapolis, Minn. Multiple ironer. 2,500,992, Mar. 21.

Lee Fiell, Cecil K., Los Angeles, Calif. Hog dehairing machine. 2,511,116, June 13.

Leekley, Robert M., Chicago, Ill., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Color forming photographic development utilizing amino-n-hydrocarbon substituted beta-aminoacrylamide couplers. 2,507,110, May 9.

Leeper, Benjamin L., Kingsport, Tenn. Self-locking structure. 2,526,246, Oct. 17.

Leese, Charles P., assignor to Standard Car Truck Company, Chicago, Ill. Stabilized lateral motion truck for railway cars. 2,497,460, Feb. 14.

Leeson, Meldon G., York, Pa., assignor to Flakice Corporation, Brooklyn, N. Y. Ice making. 2,524,815, Oct. 10.

Leeth, Ashby L., Bethesda, Md. Drier. 2,498,560, Feb. 21.

Leeth, Ashby L., Washington, D. C. Battery terminal anvil. 2,509,932, May 30.

Leeuwin, Max, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Radio receiver. 2,507,027, May 9.

Le Fevre, Frank B., Balboa, Calif. Golf club cover. 2,508,525, May 23.

Le Fevre, Walter J.: *See*— Brittoon, Edgar C., and Le Fevre.

Leffler, Marlin T.: *See*— Clemence, Le Roy W., and Leffler.

Leffler, Marlin T., Lake Bluff, and M. Freifelder, Waukegan, assignors to Abbott Laboratories, North Chicago, Ill. Preparing N-alkyl-substituted-1,2,3,4-tetrahydroquinolines and N-alkyl-substituted-1,2,3,4-tetrahydroisoquinolines. 2,524,392, Oct. 3.

Le Fiell, Sidney, San Francisco, Calif. Switch unit for overhead tracks. 2,517,326, Aug. 1.

Le Fiell, Sidney, San Francisco, Calif. Switch for overhead tracks. 2,535,541, Dec. 26.

Leflar, Jerome, assignor to The Master Electric Company, Dayton, Ohio. Short circuiter for repulsion-induction electric motors. 2,502,463 Apr. 4.

Lefren, Edward K., Kingston, N. Y., assignor to Hercules Powder Company, Wilmington, Del. Blasting cap manufacture. 2,515,238, July 18.

Lefren, Edward K., Kingston, N. Y., assignor to Hercules Powder Company, Wilmington, Del. Blasting cap manufacture. 2,515,780, July 18.

Lefson, Edward F.: *See*— Campbell, Donald J., and Lefson.

Legal, Casimer C., Jr.: *See*— Waring, Charles E., and Legal.

Legal, Casimer C., Jr., Pasadena, T. O. Tongue, Curtis Bay, and E. H. Wight, assignors to The Davison Chemical Corporation, Baltimore, Md. Manufacturing phosphoric acid. 2,504,544, Apr. 18.

Legallais, Victor A.: *See*— Millikan, Glenn A., and Legallais.

Leganger-Krogstad, Godtfred, Oslo, Norway. Heel protector for boots and shoes. 2,522,830, Sept. 19.

Legat, Robert C., New Britain, assignor to The G. E. Prentice Mfg. Co., Kensington, Conn. Fastener structure. 2,496,946, Feb. 7.

Legatski, Harold R., Bartlesville, Okla., assignor to Phillips Petroleum Company. Catalyst chamber and heating same. 2,533,945, Dec. 12.

Legerth, Karl I. B., Göteborg, Sweden. Intercommunicating system. 2,512,834, June 27.

Legg, Harry M., Jr., Baltimore, Md. Shoe fitting device. 2,518,798, Aug. 15.

Leggat, Robert, Pretoria, Transvaal, Union of South Africa. Machine for molding building blocks of concrete or like cementitious material. 2,533,479, Dec. 12.

Legge, Thomas O., Sudbury, Ontario, Canada. Mandibular positioner. 2,528,153, Oct. 31.

Legge, Thomas E., Suncook, N. H. Jig for use in shaping tubular and the like stock. 2,508,614, May 23.

Legion Utensils Co., assignee: *See*— Gorfin, Alex M.

Legler, J. Edward, Fresno, Calif. Musical instrument. 2,504,547, Apr. 18.

Le Gloahec, Victor C. E., Rockland, Maine, assignor to The Algin Corporation of America, New York, N. Y. Alginous gum product and the manufacture thereof. 2,513,416, July 4.

Legner, Logan E., Forest Park, Ill. Fishing line waxer. 2,519,257, Aug. 15.

Le Grand, Pierre E.: *See*— Kihlgren, Theodore E., Pease, and Le Grand.

Legras, August N., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Dial along which a pointer is movable, more particularly tuning dial for radio apparatus. 2,498,436, Feb. 21.

Legrow, Jack B., South Gate, Calif. Bagging and weighing device. 2,524,391, Oct. 3.

Leguillon, Charles W., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Flexible protective footwear with rear support-providing closure means. 2,504,705, Apr. 18.

Leguillon, Charles W., Akron, and C. P. Krupp, Barberton, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Therapeutic bag with sealing closure. 2,495,114, Jan. 17.

Lehane, Timothy J., Chicago, Ill., assignor, by mesne assignments, to Vapor Heating Corporation. Automatic temperature control apparatus. 2,494,624, Jan. 17.

Lehane, Timothy J., and E. H. Burgess, Chicago, Ill., assignors, by mesne assignments, to Vapor Heating Corporation. Temperature control apparatus. 2,522,286, Sept. 12.

Lehane, Timothy J., and E. H. Burgess, Chicago, Ill., assignors, by mesne assignments, to Vapor Heating Corporation. Combined ventilation and heat control system. 2,534,174, Dec. 12.

Lehane, Timothy J., and J. Van Vulpen, Chicago, Ill., assignors, by mesne assignments, to Vapor Heating Corporation. Hot-water heating system. 2,522,285, Sept. 12.

Lehane, Timothy J., North Riverside, and E. W. Johnson, assignors to Vapor Heating Corporation, Chicago, Ill. Cabin heating control. 2,522,287, Sept. 12.

Lehde, John W., Jr.: *See*— Better, Bernard, and Lehde.

Lehde, Richard H., West Hartford, Conn. Timing apparatus. 2,531,138, Nov. 21.

Lehman, Edgar A., Elkhart, Ind., assignor to American Wheelabrator & Equipment Corporation. Directional control blasting wheel. 2,507,166, May 9.

Lehman, Edward H., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorbing mechanism. 2,524,914, Oct. 10.

Lehman, James C., Paradise, and M. E. Lehman, Bareville, assignors to P. B. Mellinger, Willow Street, Pa. Portable fruit picking device. 2,535,542, Dec. 26.

Lehman, Maurice E.: *See*— Lehman, James C. and M. E.

Lehman, Samuel K., Brooklyn, N. Y., and D. M. Lawrence, Caldwell, N. J., assignors to Bendix Aviation Corporation, South Bend, Ind. Fluid pressure control. 2,496,729, Feb. 7.

Lehmann, Gerard J., assignor to International Standard Electric Corporation, New York, N. Y. Apparatus for determining the speed of a distant object. 2,502,464, Apr. 4.

Lehmann, Gerard J., assignor to International Standard Electric Corporation, New York, N. Y. Ultra high frequency radio receiver. 2,516,887, Aug. 1.

Lehmann, Gerard J., assignor to International Standard Electric Corporation, New York, N. Y. Pulse radio communication system. 2,533,269, Dec. 12.

Lehmann, Gerard J., New York, and N. H. Young, Jr., Jackson Heights, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Pulse modulation sound recording system. 2,510,121, June 6.

Lehmann, Herbert G.: *See*— Johnson, Arthur A., and Lehmann.

Lehmann, Max, East Cleveland, assignor to The Baker-Raulang Company, Cleveland, Ohio. Industrial truck. 2,522,128, Sept. 12.

Lehmann, Max, East Cleveland, assignor to The Baker-Raulang Company, Cleveland, Ohio. Industrial truck. 2,502,465, Apr. 4.

Lehmann, Ralph E., Felton, Calif. Defrosting system in refrigerated locker. 2,529,734, Nov. 14.

Lehmberg, William H.: *See*—
Lang, Philip H., Lehmberg, and Foggett.
Lehmkuhl, Joakim, Oslo, Norway. Shoes to be used on skis. 2,498,085, Feb. 21.
Lehn, John U., assignor to Animal Trap Company of America, Lititz, Pa. Animal trap. 2,500,130, Mar. 7.
Lehn, John U., assignor to Animal Trap Company of America, Lititz, Pa. Chemical trap gun. 2,512,252, June 20.
Lehn, John U., assignor to Animal Trap Company of America, Lititz, Pa. Choker trap. 2,534,358, Dec. 19.
Lehr, Paul E., Brea, assignor to Shell Development Company, San Francisco, Calif. Oil well pumping assembly. 2,519,142, Aug. 15.
Lehrfeld, Jacob M., assignee: *See*—
Earley, Walter D.
Lehrhaupt, Maxwell: *See*—
Betten, Philip, and Lehrhaupt.
Lehrman, Leo A., and H. J. Schmid, assignors to American Steel Foundries, Chicago, Ill. Snubbed truck. 2,520,845, Aug. 29.
Lehroff, Abraham: *See*—
Tell, Philip, and Lehroff.
Lehto, Arthur, assignee: *See*—
Peterson, Kenneth.
Leibing, William E., assignor, by mesne assignments, to R. D. Fageol Co., Detroit, Mich. Vibration damping device. 2,501,060, Mar. 21.
Leibing, William E., Santa Barbara, Calif. Control device for change-speed transmissions. 2,526,375, Oct. 17.
Leibing, William E., and R. D. Fageol, assignors, by mesne assignments, to R. D. Fageol Co., Detroit, Mich. Oscillating vane rotary pump. 2,526,621, Oct. 24.
Leibowitsch-Berge, Eugenie, London, England. Electromedical apparatus. 2,507,572, May 16.
Leibrook, Walton V.: *See*—
Greider, Harold W., and Leibrook.
Leich Electric Company, assignee: *See*—
Blackhall, James M.
Reid, Alexander C., and Boswau.
Leidy, Harold B., Drexel Hill, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Counterbalanced sanitary toilet seat. 2,525,492, Oct. 10.
Leif, Max, Brooklyn, N. Y. Combination cigarette lighter and flashlight. 2,494,886, Jan. 17.
Leifer, Lorenz A., assignor to Gisholt Machine Company, Madison, Wis. Power chuck. 2,528,442, Oct. 31.
Leigh, Charles P.: *See*—
Bevins, James E., and Leigh.
Leigh, Henry H., Scotia, N. Y., assignor to General Electric Company. Electronic control system for dynamoelectric machines. 2,494,340, Jan. 10.
Leigh, Richard S., Brooklyn, N. Y., assignor to The Babcock & Wilcox Company, Rockleigh, N. J. Spray nozzle mounting and oscillating mechanism. 2,518,239, Aug. 8.
Leigh, Robert L., assignor to Air Control Products, Inc., Coopersville, Mich. Valve mechanism for air conditioning registers. 2,509,774, May 30.
Leigh, Robert L., Grand Rapids, assignor to Air Control Products, Inc., Coopersville, Mich. Valve operating mechanism for registers. 2,509,773, May 30.
Leigh, Ronald C.: *See*—
Terlecki, Renat, and Leigh.
Leighnor, Clark W., Hutchinson, Kans. Tandem tractor hitch. 2,525,917, Oct. 17.
Leighton, Archie W.: *See*—
Schuler, Steven B., and Leighton.
Leighton, John W., Port Huron, Mich. Wheel suspension. 2,497,459, Feb. 14.
Leighton, John W., Port Huron, Mich. Antisway device. 2,523,473, Sept. 26.
Leighton, Leroy G., Lyndhurst, Ohio, assignor to General Electric Company. Electric radiant energy device. 2,523,033, Sept. 19.
Leiman, George W., Denville, N. J. Drip feed oiler. 2,514,882, July 11.
Leineweber, William F., Jr., assignor to W. D. Dodenhoff Company, Greenville, S. C. Power lug strap retainer. 2,519,838, Aug. 22.
Leininger, James E., and C. L. Seaton, Burbank, Calif., assignors to Bendix Aviation Corporation, South Bend, Ind. Clutch. 2,533,480, Dec. 12.
Leino, Aune E., Brooklyn, N. Y. Attachment for sewing machines for repairing hosiery. 2,511,275, June 13.
Leiphart, John P., U. S. Navy. Ambient temperature compensated bolometer bridge. 2,495,268, Jan. 24.
Leippe, Richard M., Cedar Grove, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Watt-hour meter phase adjuster. 2,512,345, June 20.
Leisen, Frederic A., Grosse Pointe Farms, Mich. Pallet. 2,519,839, Aug. 22.
Leisk, Roland T., East Chicago, Ind., assignor to American Steel Foundries, Chicago, Ill. Brake beam. 2,500,192, Mar. 14.
Leisk, Roland T., East St. Louis, assignor to American Steel Foundries, Chicago, Ill. Casting arrangement. 2,509,154, May 23.
Leit, Jules: *See*—
Leit, Maxwell, and Jules.
Leit, Maxwell, and J. Leit, Rockaway, Beach, N. Y. Convertible rocker or wheel borne toy. 2,497,265, Feb. 14.
Leitch, Fred E., Cleveland, Ohio. Can opener. 2,508,921, May 23.
Leiter, H. Herschel, assignee: *See*—
Longfellow, Earl E.
Leith, Alfred, Wynnewood Pa. Safety device for automatic feed mechanisms. 2,502,731, Apr. 4.
Leith, William G., Arlington, Va. Dispensing cover for dust mops. 2,530,250, Nov. 14.
Leithiser, George L., Jr., York, Pa. Joining component parts of plastic articles. 2,502,860, Apr. 4.
Leithold, Moreland, Balboa, Calif. Toy railroad track. 2,514,652, July 11.
Leitten, Carl F., Hamburg, assignor to Electro Refractories & Alloys Corporation, Buffalo, N. Y. Foundry additives. 2,527,829, Oct. 31.
Leitz, E., Inc., assignee: *See*—
Berssenbrugge, Willem L.
Leitz, Ernst, G. m. b. H., assignee: *See*—
Heine, Hermann.
Luz, Christian.
Leja, Alfred H., New Berlin, Wis. Safety electrical connection. 2,507,723, May 16.
Leje & Thurne Aktiebolag, assignee: *See*—
Peneén, Lars E.
Leland Electric Company, The, assignee: *See*—
Wiseman, Walter S.
Leland, George H., Dayton, Ohio. Magnetically operated device. 2,496,880, Feb. 7.
Leland, George H., Dayton, Ohio. Commutating switch mechanism. 2,501,950, Mar. 28.
Leland Stanford Junior University, Board of Trustees of the, assignee: *See*—
Hansen, William W.
Hansen, William W., and Varian.
Varian, Russell H.
Lelgsmann, William, Grill, assignor to Orr & Sembower Inc., Reading, Pa. Fluid fuel burner apparatus for effecting diffusion combustion. 2,500,787, Mar. 14.
Le Maistre, John W.: *See*—
Grote, Irvine W., and Le Maistre.
Le Masters, Charles M., Long Beach, Calif. Bending bar with adjustable work engaging studs. 2,524,321, Oct. 3.
Le May, Braudice B., Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Transmission. 2,503,497, Apr. 11.
Le May, Edwin P., assignee: *See*—
Omeron, Carl J. E.
Lemay Machine Company, assignee: *See*—
Suellentrop, Fred F.
Lemburg, Gustav A., Vista, Calif. Micro height gauge. 2,515,719, July 18.
Lemen, Charles W., assignor to The Springfield Tent & Awning Co., Springfield, Ohio. Chapel tent. 2,513,729, July 4.
Lement, Bernard S., Boston, Mass. Hypodermic needle. 2,517,689, Aug. 8.
Lemieux, Leonard, assignee: *See*—
Le Duc, Joseph E.
Lemke, Charles H., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Cation exchange process. 2,533,593, Dec. 12.
Lemm, Robert W., Grass Lake, Mich. Milking machine pulsator. 2,517,327, Aug. 1.
Lemmens, Hendricus J.: *See*—
Dorgelo, Eduard G., and Lemmens.
Lemmerman, Donald R., Minneapolis, Minn. Rotary impact type turning tool. 2,507,167, May 9.
Lemmers, Eugene, Cleveland Heights, Ohio, assignor to General Electric Company. Starting and operating circuit for electric discharge devices. 2,504,548, Apr. 18.
Lemmers, Eugene, Cleveland Heights, and R. L. Keiffer, Chagrin Falls, Ohio, assignors to General Electric Company. Starting and operating circuit for electric discharge devices. 2,504,549, Apr. 18.
Lemmers, Eugene, Cleveland Heights, Ohio, assignor to General Electric Company. Starting strip for electric discharge devices. 2,508,118, May 16.
Lemmers, Eugene, Cleveland Heights, Ohio, assignor to General Electric Company. Electric discharge device construction. 2,512,280, June 20.
Lemmon, Alexis W., Columbus, Ohio, assignor to Jervis B. Webb Company, Detroit, Mich. Center link for rivetless chains. 2,507,025, May 9.
Lemmon, George N.: *See*—
Caldwell, John R., and Lemmon.
Lemmon, Norman E.: *See*—
Bransky, David W., and Lemmon.
Lemoine, André: *See*—
Meley, François.
Lemoine, Henri G., Talence, France. Machine for manufacturing twisted core chenille. 2,534,039, Dec. 12.
Lemon, George, Youngstown, Ohio. Apparatus for practicing ping-pong and the like. 2,508,461, May 23.
Lemons, George G., Seattle, Wash. Power multiplying and transmission mechanism. 2,526,758, Oct. 24.
Lemos, Manuel G., New York, N. Y. Underscoring device for typewriters. 2,509,571, May 30.
Le Moulin-Legumes Corporation, assignee: *See*—
Mantelet, Jean.
Lemp, Walter E.: *See*—
Gibson, David C., and Lemp.

Lempert, Joseph, West Caldwell, and R. V. Gauthier, Glen Ridge, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. X-ray tubehead. 2,504,706, Apr. 18.

Lemyre, Raphaël, Sorel, Quebec, Canada. Frame for multiple-pane window sashes. 2,502,575, Apr. 4.

Lenci, Raymond: *See*—
Lenci, Victor, and Raymond.

Lenci, Victor and R., San Rafael, Calif. Boat trailing arrangement. 2,507,793, May 16.

Lenco Corporation, assignee: *See*—
Jackson, Carlton T.

Lenderink, Jacob, Schiedam, Netherlands. Manufacture of foam producing albuminous products and their application in foodstuffs and luxuries. 2,522,050, Sept. 12.

Lenehan, Bernard E.: *See*—
Petzinger, Ambrose J., and Lenehan.
Young, Douglass A., Lenehan, and Bush.

Lenehan, Bernard E., Bloomfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Single side-band system. Re. 23,258, Aug. 22.

Lenehan, Bernard E., Bloomfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Watt-hour meter. 2,512,346, June 20.

Lenhart, Bernard B., Mill Valley, and M. W. McGrath, San Francisco, Calif. Nut shelling apparatus of the pneumatic type. 2,512,107, June 20.

Lenhart, Herbert S., Allentown, assignor to Fuller Company, Catasauqua, Pa. Seal for conveying apparatus. 2,494,887, Jan. 17.

Lenner, Sandro, Milan, Italy. Automatic machine for macaroni. 2,531,224, Nov. 21.

Lennox, John A.: *See*—
Maken, John, and Lennox.

Lennox, Peter W.: *See*—
Dunn, Roland H., and Lennox.
McWhirter, Eric M. S., Dunn, and Lennox.

Lennox, Thomas H., Pittsfield, Mass., assignor to General Electric Company. Electric heating unit. 2,499,961, Mar. 7.

Lennox, Thomas H., Pittsfield, Mass., assignor to General Electric Company. Electric heating Init. 2,515,781, July 18.

Lennys Foods, Inc., assignee: *See*—
Stoller, Benjamin B.

Lenoble, Jacques P., Paris, France. Hand cleaning composition. 2,525,303, Oct. 10.

Lenox, Carroll T.: *See*—
Brenner, Ray A., Lenox, Shearer, Van Buskirk, and Watkins.

Lenox, Frank J., Weehawken, N. J. Spool. 2,519,840, Aug. 22.

Lenox, Frank J., Weehawken, N. J. Spool. 2,525,415, Oct. 10.

Lens-Block Corporation, assignee: *See*—
Suben, Morten.

Lens, Georges X.: *See*—
Bracke, Oscar J. J., and Lens.

Lensky, George A.: *See*—
Buckles, John Q., Lensky, and Trible.

Lensner, Herbert W., East Orange, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Oscillator control system. 2,516,007, July 18.

Lensner, Herbert W., East Orange, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Carrier-current relay. 2,519,258, Aug. 15.

Lensner, Herbert W., East Orange, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Double-frequency phase-angle relaying system. 2,525,493, Oct. 10.

Lentz, Herbert R., Milwaukee, Wis. Reamer sharpening jig. 2,503,396, Apr. 11.

Lenz, Leo, New York, N. Y. Eyelash applicator. 2,532,110, Nov. 28.

Lenzi, Don, Los Angeles, Calif. Dropping target apparatus. 2,508,955, May 23.

Leo, Arnold G., and T. B. Tinker, New York, N. Y. Breast protector. 2,516,129, July 25.

Leominster Tool Company, Inc., assignee: *See*—
Cossette, Albert F.

Leon, Aaron: *See*—
Taren, Jack, and Leon.

Leon, Henry, Brooklyn, N. Y. Automatically rotatable barbecue. 2,505,976, May 2.

Leon, Henry, Brooklyn, N. Y. Combination vacuum cleaner and burner. 2,521,465, Sept. 5.

Leonard, Albert R., Jr.: *See*—
Burns, Edgar F., Woodruff, and Leonard.

Leonard, David E., assignor to American Machinery Corporation, Orlando, Fla. Demountable brushing machine. 2,518,799, Aug. 15.

Leonard, Georgene V., Hudson, Ohio. Open heel shoe. 2,522,681, Sept. 19.

Leonard, James B., Del Rio, Tex. Pipe fitting. 2,495,532, Jan. 24.

Leonard, John E., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Slide changer for projectors. 2,532,775, Dec. 5.

Leonard, John T., Evanston, Ill. Coupling. 2,506,838, May 9.

Leonard, John T. Evanston, Ill. Lubricating apparatus. 2,511,779, June 13.

Leonard, John T., Evanston, Ill. Lubricating apparatus. 2,526,568, Oct. 17.

Leonard, John T., Evanston, Ill. Reversible flow rotary pump. 2,528,764, Nov. 7.

Leonard, Joseph, and H. M. Ihsen, Allentown, Pa., assignors to Charis Corporation. Foundation garment. 2,493,722, Jan. 3.

Leonard, Merrill G., Sharon, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Steering control with pneumatic pickup. 2,498,284, Feb. 21.

Leonard, Merrill G., Sharon, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Steering control with pneumatic pickup. 2,498,285, Feb. 21.

Leonard, Ralph N., Crystal Lake, Ill. Antenna. 2,521,798, Sept. 12.

Leonard, Rollen G., Indianapolis, assignor to Continental Car-Na-Var Corporation, Brazil, Ind. Vacuum cleaning machine. 2,528,763, Nov. 7.

Leonard, Summers L., Sr., Johnson City, Tenn. Reinforced plastic bowling pin. 2,510,505, June 6.

Leonard, Vincent W., Saugus, Mass., assignor to General Electric Company. Vehicle actuated traffic controller. 2,506,368, May 2.

Leonardson, John F., Milwaukee, Wis. Electrically operated musical device. 2,516,579, July 25.

Leong, Kim K., San Francisco, Calif. Salt and pepper shaker. 2,501,061, Mar. 21.

Le Page, Alfred G., Vancouver, British Columbia, Canada. Wall safe. 2,507,724, May 16.

Le Page, Wilbur R., Rochester, N. Y., assignor to the United States of America as represented by the Secretary of the Navy. Photoelectric measuring device. 2,514,284, July 4.

Lepersonne, Maximilien G. H. M., Maisons-Laffitte, France. Shaft furnace. 2,523,835, Sept. 26.

Lepeschkin, Eugene W., Burlington, Vt. Valved stethoscope with logarithmically variable passage. 2,505,124, Apr. 25.

Lepetit, Francis, assignor to Societe a Responsabilite Limitee dite: Societe Auxiliaire de L'Institut Francais du Caoutchouc, Paris, France. Producing latex articles. 2,511,722, June 13.

Le Poole, Jan Bart, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electron microscope comprising magnetic focusing. 2,494,442, Jan. 10.

Le Poole, Jan B., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Device for examining crystalline structure by means of cathode-rays. 2,515,926, July 18.

Le Poole, Jan B., and A. Verhoeff, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electron microscope. 2,512,947, June 27.

Lepper, Roy E., Gloversville, N. Y. Napkin holder. 2,518,626, Aug. 15.

Le Quéau, Roger L. M., Paris, France, assignor to International Standard Electric Corporation, New York, N. Y. Code signaling device. 2,517,578, Aug. 8.

Lerch, Brooke W., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Knitting head for knitting machines. 2,520,010, Aug. 22.

Lerch, Oliver M., Gifford, Pa. Smoking pipe stem joint. 2,497,225, Feb. 14.

Lerch, Stephen A., Milwaukee, Wis. Ink fountain divider. 2,514,653, July 11.

Le Rette, Jerome H., Downers Grove, assignor to Advance Aluminum Castings Corporation, Chicago, Ill. Cookware handle insulator. 2,522,579, Sept. 19.

Lerman, Ben, assignor to Mastercrafters Clock & Radio Company, Chicago, Ill. Clock. 2,507,026, May 9.

Lerman, Ben, assignor to Mastercrafters Clock & Radio Company, Chicago, Ill. Clock. 2,525,140, Oct. 10.

Lermer, Herman B., South Orange, assignor to Celluplastic Corporation, Newark, N. J. Discharge spout for resilient walled dispensers. 2,500,639, Mar. 14.

Lermer, Herman B., South Orange, assignor to Celluplastic Corporation, Newark, N. J. Applicator. 2,503,445, Apr. 11.

Lermer, Herman B., South Orange, assignor to Celluplastic Corporation, Newark, N. J. Box construction. 2,504,850, Apr. 18.

Lerner, Abraham, assignee: *See*—
Lerner, Louis C.

Lerner, Hershey: *See*—
Jampoler, Herbert O. M., and Lerner.

Lerner, Louis, assignee: *See*—
Lerner, Louis C.

Lerner, Louis C., assignor, by mesne assignments, to L. Lerner, New Haven, Conn., and A. Lerner, Great Neck, N. Y. Collar for sweaters. 2,525,692, Oct. 10.

Le Roi Company, assignee: *See*—
Bergmann, Carl A.
Feucht, Albert.
Feucht, Albert, and Schirmer.

Leroux, Joseph, assignor to The Leroux Sales Company, Toledo, Ohio. Check writer. 2,506,929, May 9.

Leroux Sales Company, The, assignee: *See*—
Leroux, Joseph.

Leroy, Robert: *See*—
Pernic, Joseph, and Leroy.

Leroy, Robert P., assignor to Centre National de la Recherche Scientifique, Paris, France. Device for studying the characteristics of a phenomenon. 2,533,594, Dec. 12.
Lersch, Emil W., Turtle Creek, Pa. Saucer pad. 2,499,762, Mar. 7.
Lertzman, Carl M., Hollywood, Calif. Device for training children to overcome fear of darkness. 2,521,235, Sept. 5.
Les Fabriques d'assortiments reunies, assignee: *See*— Jeanneret, Henri.
Les Laboratoires Francais de Clumiotherapie, assignee: *See*— Velluz, Leon, and Rousseau.
Les Usines de Melle (Societe Anonyme), assignee: *See*— Boinot, Firmin, and Gautier. Buret, Raymond. Guinot, Henri M. Vergnaud, Paul.
Lescarboura, Louis, Oxford, assignor to Lescarboura Spawn Company, Kelton, Pa. Making mushroom spawn. 2,520,318, Aug. 29.
Lescarboura Spawn Company, assignee: *See*— Lescarboura, Louis.
Leschin, Samuel, assignor to International Vending Machine Corporation, New York, N. Y. Newspaper vending machine. 2,504,990, Apr. 25.
Lescovich, Ralph F.: *See*— Richter, Theodore L., and Lescovich.
Lesesne, Sherman D., Iquique, Chile, assignor to Compania Salitrera de Tarapaca y Antofagasta. Solar evaporation of brines. 2,532,924, Dec. 5.
Lesesne, Sherman D., assignor to Graton & Knight Company, Worcester, Mass. Loom bumper strap. 2,499,596, Mar. 7.
Lesesne, Sherman D., assignor to Graton & Knight Company, Worcester, Mass. Multiply power transmission belt. 2,516,779, July 25.
Lesher, Robert W., Duluth, Minn. Egg washer. 2,529,090, Nov. 7.
Lesigne, Henri L., Paris, France. Remote multiple observation bridge system, especially for observing telephone traffic. 2,522,758, Sept. 19.
Lesigne, Henri L., Vanves, France. Automatic switching system applicable to telegraphy. 2,529,166, Nov. 7.
Leslie Co., assignee: *See*— Soderberg, Sten.
Leslie, Freeland H.: *See*— Hornkohl, Carl J., and Freeland.
Leslie, John H., II: *See*— Collins, Arthur R., Leslie, and Novak.
Leslie, John H., II, Winnetka, assignor to Signode Steel Strapping Company, Chicago, Ill. Package binding tool. 2,497,313, Feb. 14.
Leslie, John H., II, Winnetka, assignor to Stewart-Warner Corporation, Chicago, Ill. Water heater. 2,508,277, May 16.
Leslie, John H., II, Winnetka, assignor to Stewart-Warner Corporation, Chicago, Ill. Carbureting apparatus. 2,511,213, June 13.
Leslie, Louise T., assignee: *See*— Smith, Arthur L.
Leslie, William H., Kittanning, Pa., assignor to Electrolux Corporation, Dover, Del. Vacuum cleaner head. 2,520,942, Sept. 5.
Lesner, Roy H.: *See*— Stacey, Ted R., and Lesner.
Less, Albert J.: *See*— Less, Joseph W. and A. J.
Less, Frank W.: *See*— Searer, Jay C., Shepard, and Less.
Less, Joseph W., Clinton, and A. J. Less, Cedar Rapids, Iowa. Collar attachment. 2,505,679, Apr. 25.
Lesser, L., & Co., assignee: *See*— Lesser, Lawrence.
Lesser, Lawrence, New York, N. Y., assignor to L. Lesser & Co. Cap. 2,520,643, Aug. 29.
Lesser, Nathan, assignor to Deere & Company, Moline, Ill. Industrial truck. 2,496,399, Feb. 7.
Lessig, Edward T., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Tire. 2,498,859, Feb. 28.
Lessler, Lew W., Binghamton, assignor to J. J. Tepper Corporation, New York, N. Y. Camera construction. 2,527,067, Oct. 24.
Lessmann, Gerhard P.: *See*— Tubbs, Lester G., and Lessman.
Lessmann, Gerhard P., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Unipolar generator collector-neck connections. 2,501,344, Mar. 21.
Lesso, Harold F.: *See*— Napier, Anthony J., and Lesso.
Lestage, Pierre René: *See*— Faitout, André C., and Lestage.
Lester, Clyde, assignee: *See*— Pinkstaff, Harold D.
Lester, Dudley R.: *See*— Barber, Ronald S. V., and Lester.
Lester, George T., Sr., Martinsville, Va. Furnace for burning comminuted fuel, including tangential air feed. 2,518,800, Aug. 15.
Lester, Harry H., Bellevue, assignor to Dravo Corporation, Pittsburgh, Pa. Purging of hydrocarbon-containing chambers. 2,497,946, Feb. 21.
Lester, William M., Mountainside, N. J. Clasp. 2,527,484, Oct. 24.
Lester, William M., Mountainside, N. J. Mold for a plastic ring having an annulus and a motif. 2,529,091, Nov. 7.
Lestershire Spool and Manufacturing Company, assignee: *See*— Crooks, Earl G.
Lesti, Arnold, Brooklyn, assignor to Federal Telecommunication Laboratories, Inc., New York, N. Y. Pulse code modulator. 2,521,733, Sept. 12.
Lesti, Arnold, assignor to Federal Telecommunication Laboratories, Inc., New York, N. Y. Demodulator and channel separator system. 2,498,688, Feb. 28.
Le Suer, William M.: *See*— Campaigne, Ernest E., and Le Suer.
"L'Etancon Compense" (Societe a Responsabilite limitee), assignee: *See*— Pierre, Emile A.
Le Tang, Leo R., Cincinnati, Ohio. Censer. 2,530,529, Nov. 21.
Le Tellier, Zeno U., assignor to Pate Oil Company, Milwaukee, Wis. Apparatus for conditioning containers and the like. 2,517,394, Aug. 1.
Letner, Frank A., Del Paso Heights, Calif., assignor of one-half to W. L. Davis, Augusta, Ga. Automatic emergency actuator for power brakes. 2,519,774, Aug. 22.
Leto, Frank, Los Angeles, Calif. Center locator. 2,496,099, Jan. 31.
Le Tourneau, R. G., Inc., assignee: *See*— Bryant, George E. Clark, Gerald I. Le Tourneau, Robert G. Peterson, Oscar R.
Le Tourneau, Robert G., Longview, Tex., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Chuck. 2,493,300, Jan. 3.
Le Tourneau, Robert G., Longview, Tex., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Foot for earth compacting roller implements. 2,503,161, Apr. 4.
Le Tourneau, Robert G., Longview, Tex., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Earth spillage preventer and deflector for scrapers. 2,510,895, June 6.
Le Tourneau, Robert G., Longview, Tex., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. In-place bearing adjustment wrench. 2,510,896, June 6.
Le Tourneau, Robert G., Longview, Tex., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Induction rotor. 2,517,002, Aug. 1.
Le Tourneau, Robert G., Longview, Tex., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Inner form section for a house form assembly. 2,524,981, Oct. 10.
Le Tourneau, Robert G., Longview, Tex., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Electric motor-driven power unit. 2,528,836, Nov. 7.
Le Tourneau, Robert G., Longview, Tex., assignor to R. G. Le Tourneau, Inc., Peoria, Ill. Pivoted bolster for log haulers. 2,530,776, Nov. 21.
Le Tourneau, Robert G., Longview, Tex., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Voltage regulating system. 2,531,062, Nov. 21.
Le Tourneau, Robert G., Longview, Tex., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Rotor assembly. 2,531,225, Nov. 21.
Le Tourneau, Robert G., Longview, Tex., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Fluid pressure control system for vehicles. 2,535,300, Dec. 26.
Le Tourneau, Robert G., Longview, Tex., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Auxiliary fuel tank for tractor-implement combination. 2,535,301, Dec. 26.
Le Tourneau, Robert G., Peoria, Ill., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Earthworking scraper. 2,495,336, Jan. 24.
Le Tourneau, Robert G., Peoria, Ill., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Power winch. 2,495,463, Jan. 24.
Le Tourneau, Robert G., Peoria, Ill., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Road grader. 2,498,044.
Le Tourneau, Robert G., Peoria, Ill., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Cable layer. 2,501,062, Mar. 21.
Le Tourneau, Robert G., Peoria, Ill., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Spring applied electromagnetically released brake. 2,506,028, May 2.
Le Tourneau, Robert G., Peoria, Ill., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Wagon loading mechanism. 2,506,930, May 9.
Le Tourneau, Robert G., Peoria, Ill., assignor to R. G. Le Tourneau Inc., Stockton, Calif. Work feeding device. 2,523,836, Sept. 26.
Le Tourneau, Robert G., Peoria, Ill., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Multiple drum winch. 2,529,299, Nov. 7.
Le Tourneau, Robert G., Peoria, Ill., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Two-speed power steering mechanism and switch control mounting therefor. 2,531,061, Nov. 21.
Letsch, Carl H., Lake Ronkonkoma, N. Y. Dispensing or sifting package. 2,516,471, July 25.
Letson, William A., assignor of one-half to J. G. Sheldon, Kansas City, Mo. Animal guard. 2,533,168, Dec. 8.

Lettl, Joseph F., New York, N. Y. Lighter with combustible pellets. 2,513,656, July 4.
Letts, Maurice C., Los Angeles, Calif. Cigar box pyramiding clip. 2,506,675, May 9.
Letts, Walter W., Northville, N. Y. Apparatus for drying. 2,535,216, Dec. 26.
Letvin, Samuel: *See*—
Bonvillian, Claude A., Brierly, and Letvin.
Letvin, Samuel, Philadelphia, Pa. Incinerator. 2,504,991, Apr. 25.
Letzkus, Leo C., Pittsburgh, Pa. Hand line reel. 2,504,550, Apr. 18.
Leu, Joseph A., Basel, Switzerland. Vaginal irrigator. 2,512,434, June 20.
Leunis, Joseph, Long Island City, N. Y. Brush for cleaning containers. 2,529,952, Nov. 14.
Leupold, Henry F., Nutley, and M. J. Kelley, Bloomfield, assignors to Nopco Chemical Company, Harrison, N. J. Wool treatment. 2,496,631, Feb. 7.
Leupold, Henry G., Arlington, assignor to United Electric Controls Company, South Boston, Mass. Thermostatic switch. 2,514,881, July 11.
Leupold, Marcus, assignor to Leupold & Stevens Instruments, Inc., Portland, Oreg. Telescope mount. 2,493,254, Jan. 3.
Leupold & Stevens Instruments, Inc., assignee: *See*—
Leupold, Marcus.
Leuschner, Kurt A., Monterey, Calif. Can draining machine. 2,525,141, Oct. 10.
Leute, Karl M.: *See*—
Ellestad, Reuben B., and Leute.
Leuthold, Benedikt, assignor to Maag Zahnrader und Maschinen, A. G., Zurich, Switzerland. Gear cutting machine. 2,507,725, May 16.
Ley, Benjamin, Chicago, Ill. Cap punching machine. 2,501,685, Mar. 28.
Le Valley, John, Painted Post, assignor to Ingersoll-Rand Company, New York, N. Y. Pressure fluid follow-up servomotor. 2,503,397, Apr. 11.
Le Van, Ambrose E., Sellersville, Pa., assignor to American Machine and Metals, Inc., New York, N. Y. Unitarily mounted electrical measuring instrument. 2,498,087, Feb. 21.
Levane, Robert, London, England. Hinge. 2,497,266, Feb. 14.
Levasseur, Joseph W., Nicolet, Quebec, Canada. Pile. 2,507,259, May 9.
Levasseur, Joseph W., Nicolet, Quebec, Canada. Foundation pile. 2,529,220, Nov. 7.
Leve, Samuel, Manhattan, N. Y. Multiple phased stage curtain. 2,517,003, Aug. 1.
Le Velle, Ronald H., Wilkinsburg, Pa. Mouthpiece for wind musical instruments. 2,515,411, July 18.
Levelor Corporation, assignee: *See*—
Waterman, Neil S.
Levenson, Augusta, assignee: *See*—
Levinson, Aaron.
Levenson, Donald W., Camden, N. J., assignor to Radio Corporation of America. Radar test-equipment. 2,516,060, July 18.
Levenson, Solomon, assignor to Sylvania Electric Products Inc., Salem, Mass. Fluorescent lamp holder. 2,530,017, Nov. 14.
Lever Bias Machine Corporation, assignee: *See*—
Gerstein, Harry.
Lever Brothers Company, assignee: *See*—
Dalziel, William, and Gray.
Owen, Ronald V.
Paterson, William J.
Rider, Theodore H., Humoller, and Gershon.
Rini, S. Jack.
Thomas, Richard.
Lever, Harold, Chicago, Ill. Bill holding and dispensing device. 2,506,369, May 2.
Lever Motors Corporation, assignee: *See*—
Chronic, Clarence C., and Shaffer.
Leverenz, Humboldt W., Princeton, N. J., assignor to Radio Corporation of America. Zinc cadmium sulfoselenide phosphors. 2,505,621, Apr. 25.
Leverenz, Humboldt W., Princeton, N. J., assignor to Radio Corporation of America. Doubly activated infrared phosphors. 2,527,365, Oct. 24.
Leverenz, Humboldt W., Princeton, N. J., assignor to Radio Corporation of America. Radar system for indicating moving objects. 2,530,828, Nov. 21.
Levers, James F. and R. V. Patchett, Spondon, near Derby, and P. Bowles, Chellaston, near Derby; said Levers and said Patchett, assignors to British Celanese Limited, London, said Bowles, assignor to Rolls-Royce Limited, Derby, England. Electrical resistance element. 2,499,513, Mar. 7.
Levers, William H., and R. H. Baines, Spondon, near Derby, England, assignors to Celanese Corporation of America. Warp beam. 2,493,151, Jan. 3.
Le Vesconte, Harold J., Glendale, Calif., and A. M. Schweda, assignors to Union Special Machine Company, Chicago, Ill. Sewing machine. Re. 23,224, May 2.
Le Vesconte, Harold J., Glendale, Calif., A. M. Schweda, and C. C. Smith, assignors to Union Special Machine Company, Chicago, Ill. Sewing machine. 2,494,888, Jan. 17.
Le Vesconte, Lester B., Elmhurst, Ill. Recording table for network calculators. 2,504,851, Apr. 18.
Levesque, Charles L., assignor to Rohm & Haas Company, Philadelphia, Pa. Preparation of thioamides. 2,525,075, Oct. 10.
Levesque, Charles L., assignor to Rohm & Haas Company, Philadelphia, Pa. Preparation of dithiooxalodiamides and thioacetamides. 2,525,416, Oct. 10.
Levesque, Charles L., assignor to Rohm & Haas Company, Philadelphia, Pa. Preparation of thioacetamides. 2,531,283, Nov. 21.
Levesque, George N., Cranston, R. I., assignor to Brown and Sharpe Manufacturing Company. Portable vibrator-type tool. 2,533,946, Dec. 12.
Levesque du Rostu, Georges, assignor to Societe Anonyme Andre Citroen, Paris, France. Variable load brake. 2,498,438, Feb. 21.
Levesque du Rostu, Georges, assignor to Societe Anonyme Andre Citroen, Paris, France. Motorcar electromagnetic clutch. 2,512,065, June 20.
Levey, Fred'k H., & Co., Inc., assignee: *See*—
Brodie, George R., and Hawkes, Jr.
Levey, Maurice, Yonkers, N. Y. Collapsible pocket hanger for coats and hats. 2,502,226, Mar. 28.
Levi, Daniel, Hollywood, Calif. Toy projector. 2,518,913, Aug. 15.
Levin, Carl A., assignor to Teletype Corporation, Chicago, Ill. Station selector signaling system. 2,501,063, Mar. 21.
Levin, David, Philadelphia, assignor to Chemical Concentrates Corporation, Fort Washington, Pa. Producing fumaric acid. 2,494,049, Jan. 10.
Levin, David E., Brooklyn, assignor to Evins, Inc., New York, N. Y. Shoe with inclined edge-stitching and making the same. 2,500,613, Mar. 14.
Levin, Emery J.: *See*—
Gilbert, Everett E., and Levin.
Levin, Ezra: *See*—
Worsham, Everett M., and Levin.
Levin, Ezra, Champaign, Ill. Production of dried, defatted enzymatic material. 2,503,313, Apr. 11.
Levin, Henry H., Newark, N. J. Flexible extension mop having a pivoted finger mop holding means. 2,515,829, July 18.
Levin, Isadore, Washington, D. C. Combination flush-type toilet and bedpan. 2,527,270, Oct. 24.
Levin, Isadore, Washington, D. C. Portable flush-type commode and basin combined. 2,527,271, Oct. 24.
Levin, Manuel, Lowell, Mass. Cleaning animal fibers to prepare same for subsequent use in textile operations. 2,508,406, May 23.
Levin, Manuel, Lowell, Mass. Cleaning animal fibers to prepare same for subsequent use in textile operations. 2,508,407, May 23.
Levin, Nathan, Trenton, N. J. Knitted fabric. 2,515,720, July 18.
Levin, Nils D., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Coal cutting, breaking, and loading mining machine. 2,520,040, Aug. 22.
Levin, Robert H., and A. V. McIntosh, Jr., assignors to The Upjohn Company, Kalamazoo, Mich. Adducts of bisnor-5,7,9(11)-cholatrien-22-al-3-one. 2,530,389, Nov. 21.
Levin, Robert H., and A. V. McIntosh, Jr., assignors to The Upjohn Company, Kalamazoo, Mich. Adducts of 22-aryl-bisnor-5,7,9(11)-cholatrien-22-ones. 2,530,390, Nov. 21.
Levin, Robert H., A. V. McIntosh, Jr., and G. B. Spero, assignors to The Upjohn Company, Kalamazoo, Mich. Preparation of steroid aldehydes. 2,533,124, Dec. 5.
Levine, Arnold M.: *See*—
Labin, Emile, Grieg, and Levine.
Levine, Edith, Brooklyn, N. Y. Crib extension. 2,501,824, Mar. 28.
Levine, Harold H.: *See*—
Gold, Marvin H., and Levine.
Levine, Henry, Philadelphia, Pa. Collapsible egg carton. 2,503,343, Apr. 11.
Levine, Irving E., Berkeley, assignor to California Research Corporation, San Francisco, Calif. Producing phthalic anhydride from ortho-xylene concentrates and naphthalene. 2,521,466, Sept. 5.
Levine, Jack, and M. Ramon, Los Angeles, Calif. Foot stabilized container cover lifter. 2,513,499, July 4.
Levine, John, Brooklyn, N. Y. Safety clothespin and line. 2,535,640, Dec. 26.
Levine, Norman, New York, N. Y. Dual purpose chair. 2,508,177, May 16.
Levine, Paul, Jamaica, and T. Levine, Brooklyn, assignors to House Beautiful Curtains, Inc., New York, N. Y. Feeding guide for sewing machines. 2,518,340, Aug. 8.
Levine, Samuel, assignor to Morays Manufacturing Company, Inc., Brooklyn, N. Y. Extensible connector. 2,499,102, Feb. 28.
Levine, Samuel J., West Orange, N. J., assignor to General Electric Company. Interlocking panel jacket structure for air conditioning and heating equipment. 2,527,226, Oct. 24.
Le Vine, Saul, Detroit, Mich. Pencil holder. 2,500,837, Mar. 14.
Le Vine, Saul, Detroit, Mich. Telephone pencil holder. 2,500,838, Mar. 14.
Levine, Sol: *See*—
Ryan, William R., and Levine.
Levine, Ted: *See*—
Levine, Paul and Ted.

Levinsohn, Erwin, Englewood, N. J., and V. A. Belanger, Brockton, Mass. Press for dental flasks. 2,501,527, Mar. 21.
Levinson, Aaron, Bronx, assignor to Augusta Levenson, Brooklyn, N. Y. Garment hanger. 2,525,142, Oct. 10.
Levinson, Max, Newburgh, N. Y. Ornamental handbag. 2,504,551, Apr. 18.
Levinson, Sidney O., and F. Oppenheimer, Chicago, Ill., assignors to Michael Reese Research Foundation. Apparatus for desiccation by ice sublimation. 2,533,125, Dec. 5.
Levitation Limited, assignee: *See*— Thornhill, Peter W.
Levitt, Benjamin A., Newark, N. J., assignor to A. L. Siegel Co., Inc., New York, N. Y. Manufacturing garment bags. 2,524,982, Oct. 10.
Levitt, David M.: *See*— Walsh, James F., Levitt, and Goodman.
Levitz, Meyer, assignor of one-half to R. and R. C. Auchincloss, New York, N. Y. Quinolyl sulfonamido compounds. 2,519,484, Aug. 22.
Levoy, Monroe B., Newtown, Conn. Ophthalmic mounting. 2,529,879, Nov. 14.
Levy, Edward, assignee: *See*— Smith, Sidney S.
Levy, Gustave and W. Simbrat, East Orange, assignors to National Union Radio Corporation, Orange, N. J. Electrooptical dark trace picture tube. 2,533,381, Dec. 12.
Levy, Hans R., Golders Green, assignor to Thorn Electrical Industries Limited, London, England. Electric lamp. 2,530,204, Nov. 14.
Levy, Harold: *See*— Jacobsen, Robert P., Pincus, and Levy. Pincus, Gregory, Jacobsen, and Levy.
Levy, Harry R., assignee: *See*— Sauer, Urban.
Levy, Irving J., Brooklyn, N. Y. Hat protector. 2,512,026, June 20.
Levy, Isaac, Laurelton, N. Y. Light fixture. 2,512,948, June 27.
Levy, Joseph, Union, and R. Kapp, Newark, assignors to Nopco Chemical Company, Harrison, N. J. Production of the 17-monobenzoate ester of androstene diol. 2,521,586, Sept. 5.
Levy, Joseph, Willesden Junction, London, assignor to Rotax Limited, London, England. Making a gas absorbent for corrosive gases formed in electrical apparatus. 2,508,278, May 16.
Levy, Kurt, New York, N. Y. Fulcrum type jar cap remover. 2,525,693, Oct. 10.
Levy, Lawrence L., Brooklyn, N. Y. Pin clasp. 2,535,641, Dec. 26.
Levy, Louis, Passaic, N. J. Soap dispenser for plumbing fixtures. 2,533,380, Dec. 12.
Levy, Maurice M., Aldwych, London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Gated trigger demodulating circuit. 2,531,446, Nov. 28.
Levy, Maurice M., Earls Court, assignor to The General Electric Company, Limited, London, England. Multichannel signaling system. 2,513,947, July 4.
Levy, Maurice M., Earls Court, assignor to The General Electric Company, Limited, London, England. Modulator for multichannel signaling systems. 2,516,221, July 25.
Levy, Maurice M., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Holder for thermionic valves. 2,504,992, Apr. 25.
Levy, Maurice M., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Multiplex time modulated electrical pulse demodulation system. 2,510,987, June 13.
Levy, Maurice M., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Amplitude control of electric oscillations. 2,512,658, June 27.
Levy, Maurice M., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Sequential gating system utilizing incrementally delayed and undelayed pulse trains of different frequencies. 2,516,888, Aug. 1.
Levy, Maurice M., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Multichannel pulse receiving system. 2,517,579, Aug. 8.
Levy, Maurice M., assignor to The General Electric Company, Limited, London, England. Pulse multiplex receiving system. 2,524,708, Oct. 3.
Levy, Maurice M., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Two-way pulse multiplex communication system. 2,527,558, Oct. 31.
Levy, Maurice M., and E. A. Rattue, London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Arrangement for modulating continuous waves. 2,498,689, Feb. 28.
Levy, Milton L., assignor to Higgins Industries, Inc., New Orleans, La. Mechanical and electrical dual steering system for rudders. 2,505,555, Apr. 25.
Levy, Norman, and R. K. Greenhaigh, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited. Production of alcohols. 2,531,284, Nov. 21.
Levy, René L., also known as R. Lucien, Paris, France, assignor to Societe d'Inventions Aeronautiques et Mecaniques S. I. A. M., Geneva, Switzerland. Combined hydraulic and emergency mechanical remote control. 2,503,498, Apr. 11.
Levy, René L., also known as R. Lucien, Paris, France, assignor to Societe d'Inventions Aeronautiques et Mecaniques S. I. A. M., Geneva Switzerland. Device for automatically returning and locking movable members, in particular aircraft wheels. 2,525,362, Oct. 10.
Levy, Robert M., and J. E. Brennan, Brevard, N. C., assignors to Ecusta Paper Corporation. Catalytic bleaching with chlorites. Re. 23,218, Apr. 11.
Levy, Robert M., and W. D. Harrison, Brevard, N. C., assignors to Ecusta Paper Corporation. Disintegrator of laboratory test size for wet disintegration of cellulosic pulp samples. 2,535,302, Dec. 26.
Levy, Russell H., Chicago, Ill. Switch for burglar alarms. 2,521,858, Sept. 12.
Levy, Sidney E., Brooklyn, assignor to University Loudspeakers, Inc., New York, N. Y. Reentrant horn assembly. 2,494,134, Jan. 10.
Levy, Sidney E., Brooklyn, assignor to University Loudspeakers, Inc., New York, N. Y. Magnet structure for loud speakers. 2,532,413, Dec. 5.
Levy, Sidney E., Brooklyn, assignor to University Loudspeakers, Inc., New York, N. Y. Permanent magnet electrodynamic loud-speaker structure adapted for ready assembly. 2,532,414, Dec. 5.
Levy, William G., North Conway, N. H. Cornice. 2,501,133, Mar. 21.
Lew, Baak W.: *See*— Wolfrom, Melville L., and Lew.
Lew, Jacob B., assignee: *See*— Sakirsky, Jack.
Lew, Kokchong, assignee: *See*— Luke, Mutang.
Lewallen, Daniel A., Carmi, Ill. Drill stem test check. 2,513,031, June 27.
Lewenstein, Mozes J., Kew Gardens, N. Y. N-alpha-auromercapto-acetyl-aminophenols. 2,518,154, Aug. 8.
Lewin, Mendel: *See*— Bloch, Rudolf, Farkas, Goldschmidt, Lewin, Schnerb, and Goldschmidt.
Lewin Road Sweepers Limited, assignee: *See*— Dear, Alexander T. C.
Lewine, Irving W.: *See*— Woodard, Arthur, and Lewine.
Lewis, Alan B., Mount Royal, Quebec, assignor to The British Rubber Company of Canada Limited, Westmount, Quebec, Canada. Vulcanizing press. 2,525,609, Oct. 10.
Lewis, Albert A., assignee: *See*— Serafini, Luigi.
Lewis, Alexander H., Springfield, Mass. Assembly fixture. 2,512,659, June 27.
Lewis, Arthur J., Peoria, Ill., assignor to the United States of America as represented by the Secretary of Agriculture. Mildew resistant paint. 2,517,580, Aug. 8.
Lewis, Arthur J., assignor to The Baird Machine Company, Stratford, Conn. Reversible ratchet drive mechanism for power vehicles. 2,531,819, Nov. 28.
Lewis, Arthur J., H. A. Moser, and J. C. Cowan, Peoria, Ill., assignors to the United States of America as represented by the Secretary of Agriculture. Paint compositions from catalytically conjugated oils. 2,494,565, Jan. 17.
Lewis, Arthur W., Plainfield, assignor to Tide Water Associated Oil Company, Bayonne, N. J. Hydraulic torque converter fluid. 2,504,552, Apr. 18.
Lewis, Benjamin F., Bayside, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Gas-filled tube circuit. 2,532,728, Dec. 5.
Lewis, Carl B.: *See*— Edwards, Martin A., and Lewis.
Lewis, Clay E., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Cable splice testing apparatus. 2,493,077, Jan. 3.
Lewis, Clifford A., Bay Village, Ohio. Air sterilizing and dehydrating apparatus for oxygen tents. 2,502,263, Mar. 28.
Lewis, Dallas B., Los Angeles, Calif. Glue applicator for labeling machines. 2,517,395, Aug. 1.
Lewis, Dartrey, assignor to John A. Roebling's Sons Company, Trenton, N. J. Method and apparatus for producing wire strand or rope. 2,526,247, Oct. 17.
Lewis, Dlemas D.: *See*— Lewis, Harlan G., and D. D., and Miller.
Lewis, Donald, and R. O. Monosmith, assignors to Stark Bro.'s Nurseries and Orchards Company, Louisiana, Mo. Apparatus for demonstrating or laying out landscape plans. 2,526,569, Oct. 17.
Lewis, Douglas G.: *See*— Musgrave, Joseph L., and Lewis.
Lewis, Emil H.: *See*— Strickland, Barney R., and Lewis.
Lewis Engineering and Manufacturing Company, The, assignee: *See*— Herr, Richard E.
Lewis Engineering Company, The, assignee: *See*— Knudsen, Knud J.
Lewis, Felix, and J. Shuler, Savannah, Ga. Leakproof oil filter. 2,529,167, Nov. 7.

Lewis, Frances V., assignor of one-half to T. J. Ritter, New York, N. Y. Pivotally mounted handbag. 2,508,825, May 23.
Lewis, Frank B., Jr., Vandalia, and E. R. Schmeling, Union, assignors of one-half to C. T. Wolle, White Pigeon, Mich. Marking device. 2,527,681, Oct. 31.
Lewis, Frank M., assignee: *See*—
Craft, George E.
Lewis, Frank W., assignor to Chicago Railway Equipment Company, Chicago, Ill. Brake beam with safety head retainer. 2,507,168, May 9.
Lewis, Fred S., assignor to Electro-Voice, Incorporated, South Bend, Ind. Extensible standard. 2,495,674, Jan. 24.
Lewis, Fred S., assignor to Electro Voice, Incorporated, South Bend, Ind. Microphone stand. 2,532,173, Nov. 28.
Lewis, Frederick M., Passaic, and K. W. Doak, Nutley, N. J., assignors to United States Rubber Company, New York, N. Y. Treatment of crude rubber. 2,515,307, July 18.
Lewis, Glenn E., Kansas City, Mo. Necktie scarf. 2,530,975, Nov. 21.
Lewis, George A., Independence, Calif. Water-level recording device having clock operated starting means. 2,496,552, Feb. 7.
Lewis, George K., assignor to Three Dimension Company, Chicago, Ill. Picture slide mount. 2,498,738, Feb. 28.
Lewis, Gertrude E., New York, N. Y. Sterilizer. 2,512,747, June 27.
Lewis, Hardy W., San Antonio, Tex. Tandem road roller. 2,514,711, July 11.
Lewis, Harlan G., Columbus, D. D. Lewis, Hamilton, and C. T. Miller, Harrison, Ohio. Infant's conveyance. 2,509,103, May 23.
Lewis, Harold L., assignor to J. D. Adams Manufacturing Company, Indianapolis, Ind. Marking machine having adjustable parallel compressible feed rolls and a conduit extending upwardly from said rolls. 2,505,499, Apr. 25.
Lewis, Harold M., West Allenhurst, N. J., assignor to Hazeltine Research, Inc., Chicago, Ill. Measuring system, including an electronically traced vernier scale. 2,504,852, Apr. 18.
Lewis, Harold P., Newtown, Pa., assignor to Wm. S. Scull Company, Camden, N. J. Method and apparatus for packaging loose, flowing commodities. 2,522,682, Sept. 19.
Lewis Invisible Stitch Machine Company, assignee: *See*—
Nelson, George W.
Lewis, J. P., Co., The, assignee: *See*—
Perry, Henry J.
Lewis, Jackson B., Los Angeles, Calif. Cuff fastener. 2,510,988, June 13.
Lewis, James C.: *See*—
Carson, John F., and Lewis.
Lewis, James C., Detroit, Mich. Vehicle wheel mounting. 2,513,032, June 27.
Lewis, James C., and E. F. Jansen, Berkeley, Calif., assignors to United States of America as represented by the Secretary of Agriculture. Alcohol derivatives of subtilin. 2,495,743, Jan. 31.
Lewis, John H., assignor to Buffalo Dental Manufacturing Company, Buffalo, N. Y. Temperature control device. 2,494,299, Jan. 10.
Lewis, John H., and J. L. Allison, New York, N. Y., assignors to the United States of America as represented by the Secretary of the Air Force. Electric direction finding evaluator. 2,535,942, Dec. 26.
Lewis, John H., Jr., Arlington, Va. Cartridge belt link. 2,502,466, Apr. 4.
Lewis, Joseph M., Wichita Falls, Tex. Air conditioner. 2,497,947, Feb. 21.
Lewis, Lester L., Cabot, Pa. Dispenser closure for bottles. 2,511,723, June 13.
Lewis, Lloyd, Indianola, Ill. Tube coupling. 2,523,578, Sept. 26.
Lewis, Margaret N., and P. H. Miller, Jr., Philadelphia, Pa., assignors to the United States of America as represented by the Secretary of War. Apparatus for coating articles by thermal evaporation. 2,527,747, Oct. 31.
Lewis, Melvin W., San Bernardino, Calif. Clutch starter. 2,524,452, Oct. 3.
Lewis, P. W., assignee: *See*—
Sorensen, Clarence T.
Lewis, Paul M., Los Angeles, Calif., assignor to Peninsular Metal Products Corporation, Detroit, Mich. Helicopter. 2,501,227, Mar. 21.
Lewis, Ralph D.: *See*—
Friswold, Frank A., and Lewis.
Lewis, Richard B., St. Paul, Minn. Tooth matrix retainer. 2,521,467, Sept. 5.
Lewis, Richard N., Schenectady, N. Y., assignor to General Electric Company. Preparation of organo-substituted halogenosilanes. 2,500,761, Mar. 14.
Lewis, Richard W.: *See*—
Richardson, Richard P., and Lewis.
Lewis, Robert B., assignor to State Line Service Incorporated, Unionville, N. Y. Garment pocket attachment. 2,522,051, Sept. 12.
Lewis, Robert C.: *See*—
Efromson, Philip C., and Lewis.
Lewis, Robert C., assignor to The M B Manufacturing Company, Inc., New Haven, Conn. Vibration isolator pad. 2,534,137, Dec. 12.
Lewis, Robert F., Maplewood, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Radio antenna. 2,513,336, July 4.
Lewis, Robert F., Maplewood, N. J., and J. F. Bachmann, Baltimore, Md., assignors to Federal Telephone and Radio Corporation, New York, N. Y. Radio antenna. 2,520,154, Aug. 29.
Lewis, Roland M., Portland, Oreg. Combination wheelbarrow and wagon. 2,518,032, Aug. 8.
Lewis, Roy L., Decatur, Ga. Insertable sanitary unit for telephone transmitters. 2,520,416, Aug. 29.
Lewis, Roy L., Decatur, Ga. Sanitary attachment for disinfecting telephone mouthpieces. 2,520,417, Aug. 29.
Lewis-Shepard Company, assignee: *See*—
Bouchard, Charles S.
Gfrorer, Albert H.
Lewis, Theodore K., Wauneta, Nebr. Book end. 2,529,031, Nov. 7.
Lewis, Tudor G., Campbell, Ohio. Open-hearth furnace charging apparatus. 2,506,797, May 9.
Lewis, Warren J., assignor to The Ohio Brass Company, Mansfield, Ohio. Clamping device. 2,497,030, Feb. 7.
Lewis, Warren K., Newton, Mass., assignor to Standard Oil Development Company. Melting and purifying impure metal powder. 2,526,474, Oct. 17.
Lewis, Warren K., Newton, and E. R. Gilliland, Arlington, Mass., assignors to Standard Oil Development Company. Conversion of hydrocarbons with suspended catalyst. 2,498,088, Feb. 21.
Lewis, Willard: *See*—
Cone, Ralph R., and Lewis.
Lewis, Willard D., Little Silver, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Hybrid channel-branching microwave filter. 2,531,447, Nov. 28.
Lewis, Willard D., Little Silver, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electronic switch. 2,535,303, Dec. 26.
Lewis, Willard D., Little Silver, and L. C. Tillotson, Holmdel, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Microwave band reflection filter. 2,510,288, June 6.
Lewis, William L., Glendale, Calif. Airplane propulsion and stabilizing device. 2,504,137, Apr. 18.
Lewis, William R.: *See*—
Kimball, Charles N., Lewis, and Strecker.
Lewis, Wilmarth, trustee, assignee: *See*—
Langan. John F.
Morrison, Nathan H.
Lewon, Rubin, Berkeley, and G. P. Lechich, Menlo Park, assignors to The Paraffine Companies, Inc., San Francisco, Calif. Molding apparatus. 2,517,001, Aug. 1.
Lewry, Richard D., assignor of one-half to T. J. Morawski, Chicago, Ill. Fish handling and landing device. 2,522,454, Sept. 12.
Lewyt, Alex M., New York, and C. E. Meyerhoefer, assignors to Lewyt Corporation, Brooklyn, N. Y. Vacuum cleaner. 2,516,707, July 25.
Lewyt Corporation, assignee: *See*—
Lewyt, Alex M., and Meyerhoefer.
Lexa, George J., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Control system for ignitron tubes. 2,535,499, Dec. 26.
Ley, Edmund: *See*—
Koller, Fredrick W., and Ley.
Ley, Gordon S., Belmont, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Switch. 2,523,125, Sept. 19.
Leyda, Frank A.: *See*—
Farrington, Bruce B., and Leyda.
Leyda, Lewis G., Charleroi, Pa. Signal attachment for fishing poles. 2,506,370, May 2.
Leyenaar, Jan, Lexington, assignor to J. H. Emerson Company, Cambridge, Mass. Lung immobilizer. 2,494,712, Jan. 17.
L'Heureux, Gilbert, Oberwil-Basel, Switzerland. Pencil clasp. 2,500,367, Mar. 14.
L'Hollier, Leslie H., Newton, and N. E. Tousley, Waban, Mass., assignors to The B. F. Goodrich Company, New York, N. Y. Boot with stretchable leg section. 2,507,726, May 16.
L'Hollier, Leslie H., Waltham, Mass., assignor to The B. F. Goodrich Company, New York, N. Y. Flexible boot with front and rear reinforcing strips. 2,498,437, Feb. 21.
L'Hollier, Leslie H., Waltham, Mass., assignor to the B. F. Goodrich Company, New York, N. Y. Making full-lined boots. 2,515,050, July 11.
Lhota, Robert A., Detroit, Mich. Air washing and cleaning apparatus. 2,527,015, Oct. 24.
Li, Kuo C., and C. M. Dice, Glen Cove, assignors to Wah Chang Trading Corporation, New York, N. Y. Treatment of materials containing tungsten compounds. 2,535,217, Dec. 26.
Libbey-Owens-Ford Glass Company, assignee: *See*—
Anderson, Thomas F.
Case, John C., and Meyer.
Colbert, William H., and Morgan.
Colbert, William H., Morgan, and Weinrich.
Colbert, William H., Weinrich, and Morgan.
Day, Ralph K.
Dunipace, Donald W.

Libbey-Owens-Ford Glass Company, assignee: *See*—Continued.
Griss, Charles H.
Hatcher, David B.
Hoppens, Harold A.
Jendrisak, Joseph E.
Jones, John L.
McMaster, Harold A.
Oberstar, Edward C.
Pearse, John P.
Simons, John K.
Smith, William A.
Spahn, Paul E.
Walters, Emmett L.
Weaver, Welcome I.

Libby, Carl F., Stoughton, Mass. Take-up mechanism for looms. 2,501,777, Mar. 28.

Libby, Clarence E., Syracuse, N. Y. Washing paper pulp to remove coloring matter. 2,502,330, Mar. 28.

Libby, Lester L., East Orange, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Converter system. 2,516,889, Aug. 1.

Libby, McNeill & Libby, assignee: *See*—
Grosvenor, Oliver.

Libermann, David, assignor to Chimie & Atomistique, Paris, France. Antibiotic products. 2,522,831, Sept. 19.

Libert, Maurice C., San Francisco, Calif., assignor to General Motors Corporation, Detroit, Mich. Bearing mounting. 2,509,775, May 30.

Liberthson, Leo, Bronx, N. Y., and J. Faust, Belleville, N. J., assignors to L. Sonneborn Sons, Inc. Crystallization point depressants for DDT hydrocarbon solutions and fungicidal insecticides obtained thereby. 2,534,277, Dec. 19.

Liberthson, Leo, Bronx, N. Y., and J. Faust, Belleville, N. J., assignors to L. Sonneborn Sons, Inc. Crystallization point depressants for petroleum hydrocarbon solutions of paradichlordiphenyl trichloroethane. 2,534,278, Dec. 19.

Liberthson, Leo, New York, N. Y., assignor to L. Sonneborn Sons, Inc. Vapor detecting device for determining paintability of masonry surfaces. 2,534,279, Dec. 19.

Liberty Industries, Inc., assignee: *See*—
Gersten, Samuel B.

Liberty Planers, assignee: *See*—
Morey, Carl and Dingeldein.

Libman, Earl E., assignor to Control Instrument Company, Inc., Brooklyn, N. Y. Stable vertical. 2,497,614, Feb. 14.

Libman, Max L., Falls Church, Va. Magnetoresistor. 2,500,953, Mar. 21.

Libois, Louis J., Paris, France. Pulse modulation system. 2,518,341, Aug. 8.

Libson, Philip, Brooklyn, assignor to Helena Rubinstein, Inc., New York, N. Y. Manifold holder for lipsticks or other cosmetic containers. 2,497,314, Feb. 14.

Libson, Philip, Brooklyn, assignor to Helena Rubinstein, Inc., New York, N. Y. Lamp vaporizer. 2,535,802, Dec. 26.

Licari, Anthony F.: *See*—
Licari, Vincent and A. F.

Licari, Vincent and A. F., Brooklyn, N. Y. Toothbrush holder. 2,507,342, May 9.

Licastro, Yolanda L., New York, N. Y. Hair curler. 2,524,266, Oct. 3.

Licata, Francis J.: *See*—
Cunder, Joseph, and Licata.

Licht, Anna, New York, N. Y. Lady's garment. 2,530,829, Nov. 21.

Lichtenberg, Erich H., assignor to Koehring Company, Milwaukee, Wis. Towing means for two-wheeled vehicles. 2,499,148, Feb. 28.

Lichtenberger-Ferguson Co., assignee: *See*—
Keyston, Donald W.

Lichtenfels, Merle F., Monroe, La., assignor to Columbian Carbon Company. Centrifugal separator. 2,521,380, Sept. 5.

Lichtensteiger, Otto: *See*—
Braun, Charles, Neff, and Lichtensteiger.

Lichtenwalter, Myrl, Port Arthur, Tex., and O. F. Weideman, Arcadia, Calif., assignors to American Cyanamid Company, New York, N. Y. Preparing acrylamide. 2,508,279, May 16.

Lichtman, Joseph, Bronx, N. Y. Hydraulic brake check valve. 2,534,871, Dec. 19.

Lichtman, Samuel W., Washington, D. C. Automatic volume control filter circuit. 2,505,777, May 2.

Lichtman, Samuel W., Washington, D. C. Error elimination in thyratron pickoff circuits. 2,525,808, Oct. 17.

Lichtman, Samuel W., and D. G. Mazur, Washington, D. C. Common coupling for sequential chain firing network. 2,510,989, June 13.

Lickert, John H., assignee: *See*—
Harding, Donald D.

Lickteig, Albert F., assignor to National Brass Company, Grand Rapids, Mich. Latch. 2,507,860, May 16.

Lickteig, Albert F., assignor to National Brass Company, Grand Rapids, Mich. Cupboard catch. 2,515,560, July 18.

Lickteig, Albert F., assignor to National Brass Company, Grand Rapids, Mich. Night latch. 2,532,630, Dec. 5.

Lickteig, Albert F., assignor to National Brass Company, Grand Rapids, Mich. Night latch. 2,533,023, Dec. 5.

Lickteig, Edward G., Van Buren, Ohio, assignor to Chrysler Corporation, Highland Park, Mich. Discharge valve header assembly. 2,510,048, May 30.

Licursi, Matthew, Norwalk, Conn. Buckle. 2,531,226, Nov. 21.

Liddell, William: *See*—
Greenwood, William A., and Liddell.

Liddicoat, Percill, Niagara on the Lake, Ontario, Canada. Method and apparatus for making drill bits. 2,526,489, Oct. 17.

Liddle, Harold, assignor, by mesne assignments, to Humphreys & Glasgow Limited, Westminster, England. Apparatus for transporting loads. 2,509,646, May 30.

Lieb, George, Newark, N. J. Container dispenser. 2,516,061, July 18.

Lieb, Harry K., Los Angeles, Calif. Window latch. 2,506,879, May 9.

Liebe, Charles H., St. Petersburg, Fla. Fishhook. 2,531,981, Nov. 28.

Liebel, Charles R., J. H. Wells, and P. J. Wilson, Jr., Pittsburgh, Pa., assignors to Carnegie-Illinois Steel Corporation. Recovering ammonia. 2,500,291, Mar. 14.

Liebel-Flarsheim Company, The, assignee: *See*—
Gieringer, Carl K., and Billin.
Goode, Godfrey P., and Gieringer.

Lieber, Eugene: *See*—
Miller, Pharis, and Lieber.

Lieber, Eugene, Chicago, Ill., assignor to Standard Oil Development Company. Lubricant composition. 2,500,762, Mar. 14.

Lieber, Eugene, Chicago, Ill., assignor to Standard Oil Development Company. Condensation product of stearoyl phenol with sulfur dichloride. 2,507,111, May 9.

Lieber, Eugene, Chicago, Ill., assignor to Nox-Rust Chemical Corporation. Corrosion inhibitor for metals. 2,512,949, June 27.

Lieber, Eugene, Chicago, Ill., assignor to Standard Oil Development Company. Mineral oil containing a copolymer of an aliphatic monoolefin and dihydronaphthalene. 2,522,455, Sept. 12.

Lieber, Eugene, Chicago, Ill., assignor to Standard Oil Development Company. Lubricant composition. 2,526,490, Oct. 17.

Lieber, Eugene, Chicago, Ill., assignor to Standard Oil Development Company. Lubricating oil compositions. 2,529,300, Nov. 7.

Lieber, Eugene, Chicago, Ill., and E. P. Cashman, Bayonne, N. J., assignors to Standard Oil Development Company. Lubricating oil composition containing pour point depressant. 2,515,015, July 11.

Lieber, Eugene, Chicago, Ill., and A. F. Cashman, Staten Island, N. Y., assignors to Standard Oil Development Company. Condensation of acyl polymers with aromatic hydrocarbons. 2,531,063, Nov. 21.

Lieber, Eugene, New York, N. Y., assignor to Standard Oil Development Company. Lubricant composition. 2,494,341, Jan. 10.

Lieber, Eugene, New York, N. Y., and W. H. Smyers, Westfield, N. J., assignors to Standard Oil Development Company. Acylated derivatives of high molecular weight copolymers. 2,500,082, Mar. 7.

Lieber, Eugene, New York, N. Y., and A. F. Cashman, Bayonne, N. J., assignors to Standard Oil Development Company. Lubricant composition. 2,515,129, July 11.

Lieberknecht, Karl, Inc., assignee: *See*—
Zesch, Eugene M.

Lieberman, Edgar M., Kansas City, Mo. Mower. 2,532,174, Nov. 28.

Lieberman, Emanuel R., Jackson Heights, assignor to Interchemical Corporation, New York, N. Y. Alpha, omega-bis (2-chloroethoxy) polymethylpolysiloxane. 2,506,676, May 9.

Lieberman, George, Houston, Tex. Production of alkali arsenite, phenols, and alkali phenolates. 2,495,215, Jan. 24.

Liebig, Adolph J., Jr.: *See*—
Liebig, Dan G. and A. J., Jr.

Liebig, Dan G., and A. J., Jr., Platte Center, Nebr. Blower attachment for rotary type balers. 2,510,702, June 6.

Liebman, Arno J., assignor to Dravo Corporation, Pittsburgh, Pa. Brush cleaning apparatus. 2,519,259, Aug. 15.

Liebmann, Alfred J.: *See*—
De Becze, George, and Liebmann.

Liebmann, Alfred J., and G. T. de Becze, Cincinnati, Ohio, assignors to Schenley Industries, Inc. Continuous method of conducting micro-biological processes. 2,524,200, Oct. 3.

Liebmann, Hugo, Union, N. J., assignor to American Can Company, New York, N. Y. Cam mechanism. 2,513,337, July 4.

Liebowitz, Benjamin, Lewisboro, N. Y. Cutting and gauging apparatus. 2,514,959, July 11.

Liebowitz, Benjamin, assignor to Trubenizing Process Corporation, New York, N. Y. Wet press. 2,535,642, Dec. 26.

Liebscher, Arthur, Philadelphia, Pa., assignor to Radio Corporation of America. Beat frequency sweep oscillator. 2,499,514, Mar. 7.

Liebson, Sidney H., Washington, D. C. Averaging indicator. 2,508,408, May 23.

Liechti, Albert, Zurich, assignor to Micafil A.-G., Zurich-Altstetten, Switzerland. Condenser having a laminated dielectric thickened at its marginal portions. 2,528,596, Nov. 7.

Liechti, Albert, Zurich, assignor to Micafil A.-G., Zurich-Altstetten, Switzerland. Laminated electric condenser. 2,528,597, Nov. 7.

Liechti, Albert, Zurich, assignor to Micafil A.-G., Zurich-Altstetten, Switzerland. Laminated electric condenser. 2,528,598, Nov. 7.

Liedtke, Charles F. W., New York, N. Y. Toothed gripping glove. 2,501,571, Mar. 21.

Liedtke, Hugo F., assignor to Smith, Drum and Company, Philadelphia, Pa. Mounting for yarn packages. 2,524,629, Oct. 3.

Lieff, Morris, Chicago, Ill. Crib attachment for beds. 2,504,028, Apr. 11.

Liekens, Albert F., Keerbergen, Belgium, assignor to International Standard Electric Corporation, New York, N. Y. Sweep circuit for cathode-ray tubes. 2,520,155, Aug. 29.

Lien, Arthur P.: *See*—
McCaulay, David A., and Lien.

Lien, Arthur P., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Oxidation of aromatic hydrocarbons. 2,499,515, Mar. 7.

Lien, Arthur P., Hammond, Ind., assignor to Standard Oil Development Company, Chicago, Ill. Intermolecular condensation of HF-insoluble linear fused-ring polycyclic aromatic hydrocarbons. 2,525,809, Oct. 17.

Lien, Arthur P., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Chemical condensation process. 2,525,810, Oct. 17.

Lien, Arthur P., Hammond, Ind., and B. L. Evering, assignors to Standard Oil Company, Chicago, Ill. Extracting aromatic hydrocarbons. 2,495,850, Jan. 31.

Lien, Arthur P., Hammond, Ind., and B. L. Evering, assignors to Standard Oil Company, Chicago, Ill. Desulfurization of organic substances. 2,495,851, Jan. 31.

Lien, Arthur P., Hammond, Ind., and B. L. Evering, Chicago, and B. H. Shoemaker, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Decolorizing organic substances. 2,495,852, Jan. 31.

Lien, Arthur P., Hammond, Ind., and B. L. Evering, assignors to Standard Oil Company, Chicago, Ill. Separation of aromatic and sulfur compounds. 2,501,064, Mar. 21.

Lien, Arthur P., Hammond, Ind., and B. L. Evering, assignors to Standard Oil Company, Chicago, Ill. HF conversion of hydrocarbons. 2,525,811, Oct. 17.

Lien, Arthur P., Hammond, Ind., and B. L. Evering, assignors to Standard Oil Company, Chicago, Ill. Combination HF-treating-catalytic cracking process. 2,525,812, Oct. 17.

Lien, Arthur P., Hammond, Ind., and D. A. McCaulay, assignors to Standard Oil Company, Chicago, Ill. Xylenes separation. 2,528,892, Nov. 7.

Lien, Arthur P., Hammond, Ind., and D. A. McCaulay, assignors to Standard Oil Company, Chicago, Ill. Ethylbenzene conversion. 2,528,893, Nov. 7.

Lienhart, Jean, assignor to Compagnie Francaise de Raffinage, Societe Anonyme, Paris, France. Continuous process for decarboxylating rosin. 2,517,690, Aug. 8.

Lientz, Laclede, Kansas City, Mo. Mixing device for gas burners. 2,532,671, Dec. 5.

Liesner, Charles E., assignor to Renseil Corporation, Detroit, Mich. Toy swing. 2,533,482, Dec. 12.

Lieutard, Emile A., San Francisco, Calif. Traffic signal. 2,528,962, Nov. 7.

Lifton, Samuel H., New York, N. Y. Composite overnight and brief case. 2,496,128, Jan. 31.

Lifton, Samuel H., New York, N. Y. Brief case. 2,515,605, July 18.

Ligett, Waldo B.: *See*—
Kolka, Alfred J., and Ligett.
McBee, Earl T., Robb, and Ligett.

Ligett, Waldo B., Detroit, Mich., E. T. McBee, La Fayette, and V. V. Lindgren, assignors to Purdue Research Foundation, West Lafayette, Ind. Perhalocyclohexadienes. 2,498,891, Feb. 28.

Ligett, Waldo B., Detroit, Mich., E. T. McBee, La Fayette, and V. V. Lindgren, assignors to Purdue Research Foundation, West La Fayette, Ind. Perhalomethylcyclohexadienes. 2,509,155, May 23.

Ligett, Waldo B., Detroit, Mich., E. T. McBee, La Fayette, and V. V. Lindgren, assignors to Purdue Research Foundation, West La Fayette, Ind. Dichlorooctafluorocyclohexane. 2,509,156, May 23.

Liggett, Robert W., and W. C. Mussulman, assignors to A. E. Staley Manufacturing Company, Decatur, Ill. Production of the amylase of bacillus macerans. 2,494,514, Jan. 10.

Light, Cordell C.: *See*—
Callaway, Cleatus S., and Light.

Light, David M., assignor to American Steel Foundries, Chicago, Ill. Friction device. 2,494,300, Jan. 10.

Light, David M., assignor to American Steel Foundries, Chicago, Ill. Brakehead arrangement. 2,496,250, Jan. 31.

Light, Denvil, Seth, and J. H. Pack, Sr., Whitesville, W. Va. Jack. 2,520,686, Aug. 29.

Light, Earl, assignor to Kirsch Company, Sturgis, Mich. Curtain or drapery fixture. 2,522,288, Sept. 12.

Light, James W., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Synchronizing apparatus. 2,501,228, Mar. 21.

Lightbown, Irving E., Westfield, N. J., and W. J. Sparks and R. M. Thomas, Baton Rouge, La., assignors, by mesne assignments, to Jasco, Incorporated. Milling isobutylene-multiolefin copolymer synthetic rubber prior to curing. 2,494,766, Jan. 17.

Lighter, Stephen, Whitefish Bay, Wis. Folded shirt and collar protector. 2,530,885, Nov. 21.

Lighter, Stephen, Whitefish Bay, Wis. Bottle carrier. 2,535,741, Dec. 26.

Lightfoot, William J., Cleveland, Ohio, assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Vinyl chloride polymerization. 2,511,593, June 13.

Lightolier, Incorporated, assignee: *See*—
Hamel, Jacob S.
Moser, Carl.
Thurston, Gerald.

Ligler, Edward J., Dolton, assignor to Acme Steel Company, Chicago, Ill. Coil unreeling apparatus. 2,506,880, May 9.

Ligler, Edward J., Dolton, assignor to Acme Steel Company, Chicago, Ill. Coil unreeling apparatus. 2,506,881, May 9.

Lignes Telegraphiques et Telephoniques, assignee: *See*—
Montoriol, Charles E. A., and Sabine.

Ligon, Harry W., assignor to Atlanta Paper Company, Atlanta, Ga. Pouch making machine. 2,525,139, Oct. 10.

Liguori, Anthony: *See*—
Shenk, Eugene R., and Ligouri.

Like, Ralph M., assignor to Phonovision Corporation of America, Los Angeles, Calif. Combination sound and picture mechanism. 2,512,724, June 27.

Likes, Carl A., and H. O. Kas, Ellis, Kans. Portable refrigerator. 2,522,623, Sept. 19.

Lilien, Benjamin, Los Angeles, Calif. Patty molding machine. 2,528,234, Oct. 31.

Lilienfeld, Julius E., St. Thomas, V. I. Motion-picture apparatus and means coacting therewith for providing film strip with reference indicia. 2,521,734, Sept. 12.

Lilja, Edgar D., assignor to Barber-Colman Company, Rockford, Ill. Stabilized power actuator and operating same. 2,506,798, May 9.

Lilja, Edgar D., assignor to Barber-Colman Company, Rockford, Ill. Snap switch. 2,518,480, Aug. 15.

Lilja, Edgar D., assignor to Barber-Colman Company, Rockford, Ill. Limit stop. 2,523,509, Sept. 26.

Lilja, Edgar D., assignor to Barber-Coleman Company, Rockford, Ill. Flywheel dampener for servos. 2,527,830, Oct. 31.

Liljegren, Lyle K., Silver Spring, Md., assignor to the United States of America as represented by the Secretary of War. Land mine. 2,514,401, July 11.

Liljegren, Lyle K., Silver Spring, Md., assignor to the United States of America as represented by the Secretary of War. Fuse. 2,516,890, Aug. 1.

Liljegren, Lyle K., Silver Spring, Md. Projectile fuse. 2,524,060, Oct. 3.

Liljengren, Curtis P., Coconut Grove, and E. R. McGregor, assignors to Flight Equipment and Engineering Corp., Miami, Fla. Seat construction and vehicle seating arrangement. 2,523,960, Sept. 26.

Liljeström, Gustav V., Goteborg, Sweden. Ten-key calculating machine. 2,498,439, Feb. 21.

Lillard, Urban, Gainesville, Fla. Rifle sight conversion attachment. 2,514,654, July 11.

Lillevick, Arne, Dundas, Ontario, Canada. Vegetable washing machine. 2,510,826, June 6.

Lillich, Ralph A., Houston, Tex. Perforating gun assembly. 2,530,707, Nov. 21.

Lillis, Stephen M., assignor to Victor Manufacturing & Gasket Company, Chicago, Ill. Fluid seal. 2,493,255, Jan. 3.

Lillquist, Torsten O., Clarendon Hills, Ill., assignor to General Motors Corporation, Detroit, Mich. Engine protective control system. 2,499,319, Feb. 28.

Lilly, Eli, and Company, assignee: *See*—
Bray, Malcolm D.
Davis, William W.
Jones, Reuben G.
Kharasch, Morris S.
Mills, Jack.
Murphy, Hubert W.
Rhodehamel, Harley W., Jr.
Roe Arthur S.
Rohrmann, Ewald.
Sah, Peter P. T.
Schonle, Horace A., and Shepard.
Shipley, Robert E.
Strain, William H., and Dec.

Lilly, Forrest J.: *See*—
Davidson, Donald E., and Lilly.

Lilly, Howard C., Sharon, assignor to Masury-Young Company, Charlestown, Mass. Vacuum cleaner. 2,528,375, Oct. 31.

Lilly, Russell M., Wink, and B. R. Schabarum, Midland, Tex. Heater with safety screen air inlet. 2,531,139, Nov. 21.

Lilly, Teresa K., executrix: *See*—
Lilly, Thomas F.

Lilly, Thomas F., deceased, Memphis, Tenn.; T. K. Lilly, executrix. Ice picking and grading machine. 2,502,161, Mar. 28.
Lillyblad, Robert H.: *See*—
Robinson, Claude L., and Lillyblad.
Lily-Tulip Cup Corporation, assignee: *See*—
Ferber, William A.
Perlman, Albert A.
Reifsnyder, James D.
Lim, Peter, Los Angeles, Calif. Storage attachment for automobile bodies. 2,518,342, Aug. 8.
Lima-Hamilton Corporation, assignee: *See*—
Byerlein, Arthur A.
Morain, Willard A., and Shirley.
Mueller, George A., Jr.
Ramsey, Robert P.
Schurr, Otto E.
Limbach, John P., Madison, Wis., dedicated to the free use of the People in the territory of the United States. Device for determining moisture content, density, and direction of grain of wood, and other semiconduction material. 2,505,778, May 2.
Limberg, Alfons A.: *See*—
Coppock, Kenneth E., and Limberg.
"L'Impregnation," assignee: *See*—
Rouzet, Lucien.
Linahan, John, U. S. Army, New York, N. Y. Synchronized and adjustable safety clutch. 2,497,893, Feb. 21.
Linck, Paul A., Flushing, N. Y. Prefabricated building. 2,521,381, Sept. 5.
Lincke, Albert E., Zurich, Switzerland. Device for the filing of plans, drawings, maps, etc. 2,519,192, Aug. 15.
Lincks, George F., Pittsfield, Mass., assignor to General Electric Company. Electric circuit interrupter. 2,532,258, Nov. 28.
Lincks, George F., Pittsfield, Mass., assignor to General Electric Company. Electric circuit interrupter. 2,532,259, Nov. 28.
Lincoln, Carl E., Westport, assignor of forty-five per cent to R. H. Holmes, Easton, Conn. Automatic engine-warming mechanism. 2,497,948, Feb. 21.
Lincoln Electric Company, The, assignee: *See*—
Landis, George G.
Landis, George G., and Hoenie.
Peters, Vladimir.
Smith, Emmett A.
Lincoln Engineering Company, assignee: *See*—
Fox, Alexander P.
Fox, Alex P., and Rotter.
Klein, Victor G.
Rotter, Lutwin C., and Laspe.
Lincoln, James, London, England, assignor to Celanese Corporation of America. Production of linear polyamides. 2,500,317, Mar. 14.
Lincoln, James, London, England, assignor to Celanese Corporation of America. Hydrogenation of certain alpha, alpha-disubstituted, beta-nitro propionic acid compounds. 2,501,825, Mar. 28.
Lincoln, James, London, England, assignor to Celanese Corporation of America. Production of amino-acids and intermediates therefor. 2,514,549, July 11.
Lincoln, James, and J. G. N. Drewitt, London, England, assignors to Celanese Corporation of America. Production of polyamides containing glutarimide rings. 2,502,576, Apr. 4.
Lincoln, John W., Stonington, Conn. Control system for hydraulically actuated valves and the like. 2,494,183, Jan. 10.
Lincoln, Roland L., Dover, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrostatic precipitator. 2,504,430, Apr. 18.
Lind, Alvin C.: *See*—
Ratley, Harold M., and Lind.
Lind, Arthur C., assignor to Chain Belt Company, Milwaukee, Wis. Clarification of liquids. 2,509,933, May 30.
Lind, Charles J.: *See*—
Witte, Michael, and Lind.
Lind, Erick W., Minneapolis, Minn. Trigger lock for guns. 2,503,953, Apr. 11.
Lind, Henning, Osage City, Kans. Power lawn mower. 2,494,662, Jan. 17.
Lind, Robert R., Detroit, Mich. Nasal septum splint. 2,509,157, May 23.
Lind, Signe A., Hartford, Conn. Curtain tieback. 2,498,925, Feb. 28
Lindae, Eola, assignee: *See*—
Lindae, William H.
Lindae, William H., St. Louis, Mo., assignor of one-half to E. Lindae and one-half to J. P. Pohrer. Switch contact construction. 2,511,354, June 13.
Lindahl, Gunnar, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Arrangement in mining elevators. 2,503,954, Apr. 11.
Lindahl, Hilmer C., Waltham, assignor to Raytheon Manufacturing Company, Newton, Mass. Energy radiation apparatus. 2,503,278, Apr. 11.
Lindahl, Hilmer C., Waltham, assignor to Raytheon Manufacturing Company, Newton, Mass. Electrical pulse generator. 2,505,556, Apr. 25.
Lindbeck, Howard R.: *See*—
Vogel, Edward A., and Lindbeck.
Lindbeck, Simon L., Wilkinsburg, and W. O. Osbon, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Frequency sensitive network. 2,496,730, Feb. 7.
Lindberg Engineering Company, assignee: *See*—
Gamble, Slade B.
Lindberg, John E., Jr., Redwood City, Calif. Pocket sketching set. 2,528,765, Nov. 7.
Lindberg, John E., Jr., Redwood City, and C. L. Sackett, Manhattan Beach, Calif., said Sackett assignor to said Lindberg, Jr. Engine power analyzer. 2,518,427, Aug. 8.
Lindberg, William S.: *See*—
Hoven, Alfred C., and Lindberg.
Hoven, Alfred C., Nordmark, and Lindberg.
Lindblad, Axel R., deceased, Djursholm, by S. Serrander, administrator, Stockholm, J. D. Malmqvist, Boliden, and G. V. A. Gustafsson, Akeshov, assignors to Bolidens Gruvaktiebolag, Skelleftehamn, Sweden. Geophysical exploration. 2,527,559, Oct. 31.
Lindblad, Karl R., Sundsbruk, assignor to Svenska Cellulosa Aktiebolaget, Stockholm, Sweden. Rotary screening drum. 2,532,415, Dec. 5.
Lindblom, Erik D.: *See*—
Johansson, Axel K., Lindblom, and Ohlberger.
Lindblom, Frank W., Cranston, R. I., assignor to Welsh Manufacturing Company. Brow-bar support for goggles. 2,507,474. May 9.
Lindblom, Frank W., Warwick, R. I., assignor to Welsh Manufacturing Company. Writing instrument carrying telephone numbers. 2,504,076, Apr. 11.
Lindborg, Oscar O., Charlestown, Mass. Electronic device for periodic timing. 2,535,304, Dec. 26.
Linde Air Products Company, The, assignee: *See*—
Ahlstrand, Phillip M.
Anthes, Clifford C.
Babcock, Roger S.
Bailey, Donald L., and Wagner.
Baird, Albert W.
Barnes, Malcolm H.
Behnke, Edward R., and Royer.
Bucknam, James H., and Babcock.
Bucknam, James H., and Thompson.
Chelborg, Rudolph.
Chelborg, Rudolph, and Young.
Cook, Gerhard A.
Doyle, Edmund A.
Egger, Eduard J. W., and Lytle.
Frost, Edward L.
Gage, Robert M.
Graham, Gordon B.
Hance, Charles R., and Wagner.
Hansen, Odd A.
Hart, Thomas F.
Hasse, Franklin C.
Herbst, Harry T.
Higginbotham, Beverly M., and Hamilton.
Hittl, Anton E.
Holub, Edward M.
Jacobsson, Wilgot J.
Jacobsson, Wilgot J., and Oldham.
James, Thomas S., and Egger.
Keller, Arthur M.
Kennedy, Harry E.
King, Barnwell R.
Kornemann, Henry C., and Patch, Jr.
Lobosco, Roscoe R.
McElrath, Thomas, Jr., and Drake.
Meincke, Edward.
Miller, Alfred J., and Kolody.
Moore, Charles R., and Villoresi.
Oldham, Samuel R., Jacobsson, and Hoffman.
Potts, Lawrence D.
Preston, Albert L.
Preston, Albert L., and Zenner.
Rathje, Edward.
Rathje, Edward, Jr.
Rice, Philip K.
Rountree, John H.
Skinner, George M.
Strother, Corneille O., and Wagner.
Thayer, Russell M.
Wagner, George H.
Yendall, Edward F.
Yendall, Edward F., and Zenner.
Yenni, Donald M.
Yenni, Donald M., and Hart.
Young, Lloyd W.
Linde, Leonard J., assignor to A. B. Chance Company, Centralia, Mo. Trailer vehicle for hot line tools 2,531,140, Nov. 21.
Linde, Leonard J., and D. C. Hubbard, assignors to A. B. Chance Company, Centralia, Mo. Electrical fused cut-out. 2,512,498, June 20.
Lindell, Sigurd I., Chicago, Ill., assignor to S & C Electric Company. Electric switch. 2,529,032, Nov. 7.
Lindemann, A. J., & Hoverson Company, assignee: *See*—
Kuenne, Kuno R.
Muenchow, Henry F.
Lindemann, Walter R.: *See*—
Maurer, James A., and Lindemann.
Lindemann, Ward E.: *See*—
Browne, William H., and Lindemann.

Lindemeier, Ernest C., Norwood, Minn. Silo roof construction. 2,523,381, Sept. 26.

Linden, Arthur D.: *See*—
Hanson, Walter J., and Linden.

Linden, Carl E., Cincinnati, and F. O. Wetzel, Norwood, assignors to The Fosdick Machine Tool Company, Cincinnati, Ohio. Interlocked control for the clamps and spindle of a radial drill or the like. 2,536,006, Dec. 26.

Linden, Gad A. L., Brooklyn, N. Y. Hairpin. 2,531,854, Nov. 28.

Linden, John F., Toronto, Ontario, Canada. Hand cultivator. 2,513,033, June 27.

Lindenblad, Nils E., Port Jefferson, N. Y., assignor to Radio Corporation of America. Electronic indicator system for radar with spinning antenna or the like. 2,500,552, Mar. 14.

Lindenblad, Nils E., Port Jefferson, N. Y., assignor to Radio Corporation of America. Broadcast antenna. 2,501,778, Mar. 28.

Lindenblad, Nils E., Port Jefferson, N. Y., assignor to Radio Corporation of America. Coupling circuit. 2,507,915, May 16.

Lindenblad, Nils E., Port Jefferson, N. Y., assignor to Radio Corporation of America. Ground system. 2,522,879, Sept. 19.

Lindenblad, Nils E., Port Jefferson, N. Y., assignor to Radio Corporation of America. Indicating system for radar direction finders. 2,522,880, Sept. 19.

Lindenblad, Nils E., Port Jefferson, N. Y., assignor to Radio Corporation of America. Multichannel signaling system. 2,530,580, Nov. 21.

Lindenblad, Nils E., Port Jefferson, N. Y., assignor to Radio Corporation of America. Voltage transformer. 2,531,820, Nov. 28.

Lindenblad, Nils E., Rocky Point, N. Y., assignor to Radio Corporation of America. Current measuring shunt in lightning rods. 2,502,657, Apr. 4.

Lindenblad, Nils E., Rocky Point, N. Y., assignor to Radio Corporation of America. Convolved transmission line. 2,503,955, Apr. 11.

Lindenfelser, Richard, and J. Grabowski, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Thermosetting compositions having improved electrical properties. 2,526,885, Oct. 24.

Lindenhovius, Hendrik J., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Aperiodic high-frequency voltmeter. 2,525,039, Oct. 10.

Linder, Åke V. B., Alfredshem, assignor to Mo Osh Domsjo Aktiebolag, Ornskoldsvik, Sweden. Fractionating column. 2,515,090, July 11.

Linder, Claude W., San Mateo, assignor of three-fifths to R. L. Boyle, San Francisco, Calif. Parachute release mechanism. 2,502,097, Mar. 28.

Linder, Ernest G., Princeton, N. J., assignor to Radio Corporation of America. Frequency changer. 2,508,645, May 23.

Linder, Ernest G., Princeton, N. J., assignor to Radio Corporation of America. Collecting electrical energy of nuclear reactions. 2,517,120, Aug. 1.

Linder, Ernest G., Princeton, N. J., assignor to Radio Corporation of America. Microwave mode changer and integrator. 2,520,602, Aug. 29.

Linder, Ernest G., Princeton, N. J., assignor to Radio Corporation of America. Utilizing charged-particle radiation. 2,520,603, Aug. 29.

Linder, Ernest G., Princeton, N. J., assignor to Radio Corporation of America. Microwave mode changer and integrator. 2,520,604, Aug. 29.

Linder, Ernest G., Princeton, N. J., assignor to Radio Corporation of America. Variable coupling tunable microwave resonator. 2,524,532, Oct. 3.

Linder, Ernest G., Princeton, N. J., assignor to Radio Corporation of America. Method of and apparatus for generation of electrical energy from nuclear reactions. 2,527,945, Oct. 31.

Linder, Ernest G., Princeton, N. J., assignor to Radio Corporation of America. Tunable microwave device. 2,527,946, Oct. 31.

Linder, Ernest G., Princeton, N. J., assignor to Radio Corporation of America. Visible image radio responsive device. 2,532,175, Nov. 28.

Linder, Eugene A., Bloomfield Hills, Mich. Desk. 2,527,944, Oct. 31.

Linder, Martin W., Alviso, Calif. Rocking horse. 2,494,184, Jan. 10.

Linder, Victor E., assignor to A. T. O'Neil, Minneapolis, Minn. Continuously actuated one revolution clutch. 2,515,606, July 18.

Linderman, Garrett B., III, U. S. N. Apparatus for producing artificial radio direction signals. 2,494,566, Jan. 17.

Linderme, Theodore G., Detroit, Mich. Drill head. 2,499,657, Mar. 7.

Linderoth, Erik T., assignor to Aktiebolaget Linderoths Patenter, Stockholm, Sweden. Particle separator. 2,506,273, May 2.

Linderoth, Hans G., Boston, Mass. Striking and damping mechanism for pianos. 2,502,861, Apr. 4.

Lindfelt, Hilma E., Des Moines, Iowa. Glove. 2,504,553, Apr. 18.

Lindfors, Howard P., Denver, Colo. Grain elevator bucket. 2,501,229, Mar. 21.

Lindfors, Onni, Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Voltage regulator. 2,502,098, Mar. 28.

Lindfors, Onni, Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Single-phase motor starting. 2,502,099, Mar. 28.

Lindgren, George O. R., Willoughby, assignor to The Weatherhead Company, Cleveland, Ohio. Expansion valve. 2,506,724, May 9.

Lindgren, Hans O., Smedslatten, assignor to Aktiebolaget Separator, Stockholm, Sweden. Cover for separator frames. 2,529,221, Nov. 7.

Lindgren, Hugo, Jamestown, N. Y. Sink and drainboard structure. 2,495,853, Jan. 31.

Lindgren, John, Ellwood City, Pa., assignor to National Tube Company. Disconnectible register operating device for billet sawing machines. 2,525,176, Oct. 10.

Lindgren, Vincent V.: *See*—
Ligett, Waldo B., McBee, and Lindgren.

Lindhagen, Teodor I., Stockholm, and G. K. W. Boestad, Lidingo, Sweden, assignors, by mesne assignments, to J. C. Marble, New York, N. Y., L. M. Merrill, Westfield, N. J., and P. H. Batten, Racine, Wis., as trustees. Turbojet power plant with controllable primary and secondary outlets. 2,510,506, June 6.

Lindham, Birger, Stockholm, Sweden. Intermediate friction layer for joining two or more structural parts of wood or like material. 2,495,337, Jan. 24.

Lindham, Birger, assignor to Olsson & Rosenlunds Aktiebolag, Stockholm, Sweden. Bolting together wooden members. 2,515,308, July 18.

Lindlar, Herbert, Basel, and H. Klaeui, Riehen near Basel, Switzerland, assignors to Hoffmann-La Roche Inc., Nutley, N. J. Manufacture of folic acid. 2,520,156, Aug. 29.

Lindley, Frank M., Cincinnati, and R. F. Retter, Richland County, Ohio. Communication mechanism. 2,515,561, July 18.

Lindley, Frederick A., Flushing, assignor to Radio-Television Institute, Inc., New York, N. Y. Synchronizing circuit. 2,497,413, Feb. 14.

Lindley, Frederick A., Flushing, assignor to Radio-Television Institute, Inc., New York, N. Y. Multiple section diaphragm loud-speaker. 2,534,040, Dec. 12.

Lindley, Frederick A., Jr.: *See*—
Woodworth, Frederick B., and Lindley.

Lindley, Walter S., assignee: *See*—
Smith, George R.

Lindley, William, assignee: *See*—
Sutherland, Howard C.

Lindmark, Andrew C., Bridgeport, Conn. Electrical fixture. 2,502,658, Apr. 4.

Lindmark, Johan G., assignor to Aktiebolaget Johnson & Borsell, Stockholm, Sweden. Machine for preparing lithographic or other printing plates as well as rubber sheets used in offset printing. 2,495,269, Jan. 24.

Lindmark, Johan G., assignor to Aktiebolaget Johnson & Borsell, Stockholm, Sweden. Graining of lithographic and other printing plates. 2,516,222, July 25.

Lindner, Arthur E., Rutherford, N. J. Pulley. 2,513,657, July 4.

Lindner, Philip J.: *See*—
Geiger, George M., and Lindner.

Lindner, Ralph L., Cleveland, and T. K. Hayes, Cleveland Heights, assignors to Thompson Products, Inc., Cleveland, Ohio. Induction furnace. 2,503,621, Apr. 11.

Lindner, Ralph V., and R. B. Edwards, Baltimore, Md., assignors to Bendix Aviation Corporation, South Bend, Ind. Oscillation generator. 2,521,070, Sept. 5.

Lindner, Ralph V., and R. B. Edwards, Baltimore, assignors to Bendix Aviation Corporation, Towson, Md. Clutch for disks of remote-control systems. 2,522,881, Sept. 19.

Lindner, William R.: *See*—
Corrigan, Elwyn W., and Lindner.

Lindow, Rudolph F.: *See*—
Viall, George K., and Lindow.

Lindquist, Arvid, Copenhagen, and P. de Wall, Gentofte, Denmark. Autographic register and the like. 2,505,977, May 2.

Lindquist, Arvid, Copenhagen, and P. de Waal, Gentofte, Denmark. Autographic register and the like. 2,519,485, Aug. 22.

Lindquist, Carl R., Bronx, N. Y., assignor of fifteen per cent to R. Lindquist and fifteen per cent to I. Wamnes, Mount Vernon, N. Y. Cake decorator and finishing machine. 2,503,673, Apr. 11.

Lindquist, Curt A. J., assignor to Svenska Rayon Aktiebolaget, Norrkoping, Sweden. Manufacturing regenerated cellulose webs. 2,494,951, Jan. 17.

Lindquist, Marie, San Francisco, Calif. Adjustable bed. 2,522,759, Sept. 19.

Lindquist, Ruth, assignee: *See*—
Lindquist, Carl R.

Lindsay, Albert V., Midland Park, N. J. Girdle or like article of apparel. 2,513,034, June 27.

Lindsay, Allen R., Cleveland Heights, Ohio. Electrical etching device. 2,498,129, Feb. 21.

Lindsay, Allen R. Cleveland Heights, Ohio. Dielectric stencil. 2,512,347, June 20.

Lindsay, Allen R., Cleveland Heights, Ohio. Making dielectric stencils. 2,512,348, June 20.

Lindsay, Charles C., Roanoke, Ala. Belt drive assembly. 2,534,041, Dec. 12.

Lindsay, Charles H., assignor to American-La France-Foamite Corporation, Elmira, N. Y. Airfoam nozzle. 2,513,417, July 4.
Lindsay, Charles H., assignor to American-La France-Foamite Corporation, Elmira, N. Y. Foam type fire extinguisher. 2,527,831, Oct. 31.
Lindsay, Edwin H., Waukesha, assignor to A. O. Smith Corporation, Milwaukee, Wis. Removable vertical tube evaporator. 2,494,767, Jan. 17.
Lindsay, John O., Lyman, S. C., assignor to Pacific Mills, Boston, Mass. Cloth washing apparatus. 2,504,554, Apr. 18.
Lindsay, Leslie B., Kirkland Lake, Ontario, Canada. Hockey goal. 2,525,304, Oct. 10.
Lindsay, Lynn G., St. Paul, Minn. Control for water softening apparatus. 2,535,432, Dec. 26.
Lindsay, Lynn G., St. Paul, Minn., and L. A. Nelson, Dearborn, Mich., said Nelson assignor to said Lindsay. Valve control mechanism for water-softening apparatus. 2,507,343, May 9.
Lindsay, Paul, assignor of one-half to R. B. Lindsay, Monroe, Wis. Trailer dumping hitch. 2,522,385, Sept. 12.
Lindsay, Ralph A., assignee: *See*— Lindsay, Paul.
Lindsay, William R.: *See*— Kelly, Stephen A., Jr., and Lindsay.
Lindsay Wire Weaving Company, The, assignee: *See*— Hose, Alfred G., and Dilley.
Lindsey, Frank A., Jr., and W. T. Maxwell, assignors to The Southern Cotton Oil Company, Savannah, Ga. Stabilizing edible fatty oil. 2,513,948, July 4.
Lindsey, Richard H., Detroit, Mich. Tool for use in cleaning fish. 2,506,227, May 2.
Lindsey, Richard H., Detroit, Mich. Device for cleaning fish. 2,531,064, Nov. 21.
Lindsey, Willard M.: *See*— Baeyertz, Mary, and Lindsey.
Lindsey, William H., and B. H. Slatter, assignors to Armstrong Siddeley Motors Limited, Coventry, England. Control means for turbo-prop units. 2,525,694, Oct. 10.
Lindsey, William S., Portland, Oreg. Log scale. 2,503,398, Apr. 11.
Lindstrom, Arnold O., Republic, Wash. Lunch box. 2,518,343, Aug. 8.
Lindstrom, Charles M., Westerly, R. I., assignor, by mesne assignments, to Bostitch, Inc. Magazine for fastener applying implements. 2,524,061, Oct. 3.
Lindstrom, Henry L.: *See*— Daniels, Lewis H., and Lindstrom.
Lindstrom, John, Montclair, and B. C. Case, Plainfield, N. J., assignors, by mesne assignments, to said B. C. Case. Bag dispensing device. 2,522,386, Sept. 12.
Lindstrom, Ture: *See*— Grissinger, George G., Sandin, and Lindstrom. Horn, Merl E., and Lindstrom.
Lindstrom, Ture, Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Tension spring. 2,524,293, Oct. 3.
Lindstrom, Ture, Edgewood, and B. G. Tremblay, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,508,178, May 16.
Lindstroth, Margaret L., assignee: *See*— Williams, James T., and Riese.
Lindvall, Frederick C.: *See*— Hudson, Donald E., and Lindvall. Richards, Lorenzo A., and Lindvall.
Lindzy, Arthur, assignor of one-half to O. Lindzy, Kalamazoo, Mich. Cooking utensil. 2,493,983, Jan. 10.
Lindzy, Ora, assignee: *See*— Lindzy, Arthur.
Line Material Company, assignee: *See*— Schultz, William O.
Linen Thread Co., Inc., The, assignee: *See*— Malcolm, David L., Jr.
Lines, Arthur E., Farmersville Station, N. Y. Trap setting device. 2,494,567, Jan. 17.
Linfor, Joseph P., Middlebury, assignor to Penn Electric Switch Co., Goshen, Ind. Ice bank control structure. 2,512,066, June 20.
Linford, Hooper, Manhattan Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Portland cement composition and making. 2,512,067, June 20.
Linforth, Paul S., assignee: *See*— Wells, William S.
Lingard, Amos L., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Absorption refrigeration. 2,524,983, Oct. 10.
Lingdell, Harry, Stratford, Conn. Dispenser for collapsible containers. 2,495,464, Jan. 24.
Lingenbrink, Hermann E. F. C., Hilltown, assignor to Philco Corporation, Philadelphia, Pa. Record changer spindle. 2,530,435, Nov. 21.
Lingenfelder, Frederick O., Lincoln, Nebr. Distance registering device. 2,531,448, Nov. 28.
Linhardt, Charles, Jr., Baltimore, Md. Marine torch. 2,528,837, Nov. 7.
Link Aviation, Inc., assignee: *See*— Almonetti, Felix A. Decker, George A. Hayes, Stanley I., and Herskovits. Hayes, Stanley I., and Wade. Kail, Karl A. Kittredge, Raymond E. Takats, Zoltan.
Link-Belt Company, assignee: *See*— Bergmann, Richard F., Suman, and Watson. Deal, Troy M. Erisman, John L. Erisman, Maurice J., and Coffin. Korra, John K. Lauenstein, Carl F. Pierce, Harold S.
Link, Edwin A., Binghamton, N. Y. Air-speed indicating system for rotary winged aircraft. 2,531,521, Nov. 28.
Link, John H., Merion Station, Pa., assignor to W. H. Miner, Inc., Chicago, Ill. Shock absorber. 2,494,768, Jan. 17.
Link Manufacturing Company, Ltd., assignee: *See*— Fish, Franklin A.
Linkletter, Harry, Englewood, N. J., and W. Van Kirk, Richmond Hill, N. Y., assignors, by mesne assignments, to Ultra Chemical Works, Inc., Paterson, N. J. Silver cleaner. 2,513,187, June 27.
Linkletter, Olive-Sue, Englewood, and J. L. Johnson, Fair Lawn, N. J., assignors to Interchemical Corporation, New York, N. Y. Alkyd resins. 2,533,270, Dec. 12.
Linn, Carl B., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Recovery of ethyl chloride. 2,530,661, Nov. 21.
Linn, Frank C.: *See*— Wales, Lawrence B., and Linn.
Linn, Frank C., Schenectady, N. Y., assignor to General Electric Company. Elastic fluid turbine casing. 2,503,914, Apr. 11.
Linn, James E., Stephens, assignor of one-half to W. E. Marriott, Columbia, Mo. Acid water neutralizer. 2,503,878, Apr. 11.
Linnit, Christopher E., and B. W. Downs, Hastings, England. Washing apparatus for hollow ware. 2,499,274, Feb. 28.
Linnit, Christopher E., and B. W. Downs, Hastings, England. Hollowware washing apparatus. 2,527,748, Oct. 31.
Linotype and Machinery Limited, assignee: *See*— Bugler, Arthur V. Ellis, Herbert. Spence, Fred, and Jakeman.
Linscott, Chester E.: *See*— Rhines, Chester E., and Linscott.
Linscott, Chester E., Ridgewood, N. J., assignor to United States Rubber Company, New York, N. Y. Preservation of latex. 2,534,359, Dec. 19.
Linser, Georg, Innsbruck, Austria. Diapositive frame. 2,532,776, Dec. 5.
Linsker, Fred: *See*— Evans, Ralph L., and Linsker.
Linsker, Fred, New York, assignor to R. L. Evans, Bay Shore, N. Y. Di-n-oxides of amino-substituted acridines and quinolines. 2,500,131, Mar. 7.
Linsky, Raymond, assignor to Welded Steel Shapes, Inc., Coatesville, Pa. Scoop. 2,519,260, Aug. 15.
Linsley, Douglas F., Greenwich, Conn. Backlash take-up. 2,493,000, Jan. 3.
Linsmeier, Howard T., Saukville, Wis. Egg cleaning machine. 2,497,949, Feb. 21.
Lint, Merle, San Diego, Calif. Sod cutter. 2,506,371, May 2.
Linthicum, Thomas L., assignee: *See*— Mansfield, Warren M.
Linton, Bert F., Visalia, Calif. Cattle chute. 2,510,703, June 6.
Lintz, Mark: *See*— Wallerstedt, Glenn A., and Lintz.
Lintz, Mark, San Francisco, Calif. Construction of tanks, silos, and like vessels. 2,501,951, Mar. 28.
Lintz, Mark, San Francisco, Calif. Apparatus for reject jigging. 2,521,587, Sept. 5.
Lintz, Mark, San Francisco, Calif. Apparatus for the heat-treatment of solid materials. 2,521,588, Sept. 5.
Linville, Darrell B., Brentwood, Calif. Multirotor helicopter. 2,529,033, Nov. 7.
Linville, Robert G., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing aromatic acyl fluorides. 2,517,898, Aug. 8.
Lion, Yervant, Fresno, Calif. Irrigation ditch forming machine. 2,494,820, Jan. 17.
Liona, Raymond, Brooklyn, N. Y. Guide means. 2,520,466, Aug. 29.
Lionel Corporation, The, assignee: *See*— Bonanno, Joseph L.
Lipe-Rollway Corporation, assignee: *See*— Fish, Earl R. Root, Robert S. Spase, Charles B.
Lipke, Paul H.: *See*— Kropscott, Earle L., and Lipke.
Lipke, Paul H., Jr.: *See*— Kropscott, Earle L., and Lipke.

Lipkin, Harry J., Dorchester, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Adjustable band-pass selector. 2,498,561, Feb. 21.

Lipkowski, Henryk A., New York, N. Y. Combustion products generator having opposed resonating chambers. 2,503,584, Apr. 11.

Lipman, William L., Vineland, N. J. Poultry drinking fountain. 2,509,004, May 23.

Lipnicki, Bernard, and R. Lipnicki, Newington, Conn. Electric spoon. 2,533,947, Dec. 12.

Lipnicki, Bernard and R., and J. A. Maselek, Newington, Conn. Nonsmear nail polish applying device. 2,524,322, Oct. 3.

Lipnicki, Romuald: *See*—
Lipnicki, Bernard and R.
Lipnicki, Bernard and R., and Maselek.

Lippert, Arnold L., assignor to Joseph Bancroft & Sons Co., Wilmington, Del. Production of permanent lustrous finishes on fabrics. 2,524,915, Oct. 10.

Lippert, Hanns and E. Mühlemann, Zurich, assignors to Verwaltungsgesellschaft der Werkzeugmaschinenfabrik Oerlikon, Zurich-Oerlikon, Switzerland. Automatic fire-arm breech bolt lock. 2,512,027, June 20.

Lippert, Hanns, and E. Hepperle, Zurich, Switzerland, assignors to Verwaltungsgesellschaft der Werkzeugmaschinenfabrik Oerlikon, Zurich-Oerlikon. Automatic firearm breech bolt locking mechanism. 2,523,704, Sept. 26.

Lippincott, Joshua G., Scarsdale, assignor to L. E. Waterman Company, New York, N. Y. Desk penholder. 2,519,675, Aug. 22.

Lippincott, Samuel B.: *See*—
Mikeska, Louis A., and Lippincott.

Lippincott, Samuel B., and L. A. Mikeska, Westfield, N. J., assignors to Standard Oil Development Company. Preparation of para-quinone dioxime. 2,507,112, May 9.

Lippincott, Stanley S., Palmyra, assignor to Flexitallic Gasket Company, Camden, N. J. Orifice plate. 2,520,089, Aug. 22.

Lippman, Alfred, Jr., Weeks, La., assignor, by mesne assignments, to Morton Salt Company, Chicago, Ill. Level controller. 2,498,089, Feb. 21.

Lippman, Samuel V., Hartford, Conn. Musical amusement device. 2,508,830, May 23.

Lippman, Samuel V., Hartford, Conn. Musical toy. 2,508,831, May 23.

Lippold, Adolph J., Milwaukee, Wis., assignor to Cherry-Burrell Corporation, Chicago, Ill. Receptacle filling device. 2,499,149, Feb. 28.

Lips, Eduard M. H.: *See*—
Kronouer, Johan G., Lips, and Prakke.

Lips, Eduard M. H., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electrical apparatus comprising a wiring cast by extrusion. 2,512,162, June 20.

Lips, Maximiliaan M. H., Drunen, Netherlands. Combination steerable and banking wheel suspension. 2,521,986, Sept. 12.

Lipscomb, Gaston J., Montclair, N. J., assignor to W. R. Grace & Co., New York, N. Y. Apparatus for diluting and washing pulp solutions and like materials. 2,506,882, May 9.

Lipscomb, Gaston J., Montclair, N. J., assignor to W. R. Grace & Co., New York, N. Y. Centrifugal separator. 2,512,253, June 20.

Lipscomb, John F., Elkhart, Ind., assignor, by mesne assignments, to Security Locknut Corporation, Chicago, Ill. Lock nut. 2,509,647, May 30.

Lipson, Samuel, Philadelphia, Pa. Apparatus for measuring coating thickness. 2,507,529, May 16.

Liptay, John M., Scarsdale, assignor to Laboratory Furniture Company, Inc., Long Island City, N. Y. Island strip support. 2,512,108, June 20.

Lipton, Henry, assignor to J. P. Smith Shoe Company, Chicago, Ill. Insole. 2,529,034, Nov. 7.

Lipton, Martin H., Forest Hills, N. Y. Uniform fuel feed for smoke generators. 2,515,455, July 18.

Lipton, Martin H., Forest Hills, N. Y. Combined smoke generator and conditioner. 2,532,260, Nov. 28.

Lipton, Thomas, Inc., assignee: *See*—
Roos, Raymond B., and Galvin.

Liquid Carbonic Corporation, assignee: *See*—
Jordan, Wayne D., and Van Vliet.

Liquid Carbonic Corporation, The, assignee: *See*—
Kantor, James.

Liquidometer Corporation, The, assignee: *See*—
Campani, Louis M.
De Giers, Clarence A.
De Giers, Clarence A., and Campani.
De Giers, Clarence A., and Edelman.
De Giers, Clarence A., and Sandberg.
Edelman, Abraham.

Liscow, Beryl, Cincinnati, Ohio. Key case having a key ejecting means. 2,517,219, Aug. 1.

Lisella, Robert A.: *See*—
Daderki, Michael, Sr., Lisella, and J. Daderko.

Lishman, Alan, assignor of one-half to E. L. Ruddy, Pickering, Ontario, Canada. Spraying apparatus. 2,495,375, Jan. 24.

Lisk, George F., Buffalo, and G. W. Stacy, New York, N. Y., assignors to the United States of America as represented by the Secretary of War. Producing 2-carboxyquinoline compounds. 2,500,041, Aug. 22.

Lisk, George F., Buffalo, and G. W. Stacy, New York, N. Y., assignors to the United States of America as represented by the Secretary of War. Producing 4-hydroxy-2-carboxyquinoline compounds. 2,520,042, Aug. 22.

Lisk, George F., Buffalo, and G. W. Stacy, New York, N. Y., assignors to the United States of America as represented by the Secretary of War. Preparing 4,7-dichloro-8-methylquinoline. 2,520,043, Aug. 22.

Lisle Mills, Inc., assignee: *See*—
Artzt, William W.

Lisle, William G., East Bedfont, and C. R. Churn, Tilehurst, assignors to The Fairey Aviation Company Limited, Hayes, England. Pressure fluid servomotor having feel means. 2,503,956, Apr. 11.

Liss, Jack A., assignor to G. S. Robins & Company, St. Louis, Mo. Reinforced woven laundry net. 2,511,644, June 13.

Liss, Russel, Flushing, N. Y. Shoal water indicator. 2,507,986, May 16.

Lissac, Georges, Paris, France. Suspension type spectacle mounting. 2,518,914, Aug. 15.

Lissiansky, Alexander: *See*—
Rabkin, William, Lissiansky, and Sebestyen.

Lissiansky, Alexander, assignor to International Mutoscope Corporation, Long Island, N. Y. Self-posing photographic apparatus with adjustable reflector. 2,515,350, July 18.

Lissman Marcel A., Cambridge, assignor to Raytheon Manufacturing Company, Newton, Mass. Frequency converter. 2,497,055, Feb. 7.

List, Heinz, Pratteln, near Basel, Switzerland. Continuously operating kneader and mixer. 2,505,125, Apr. 25.

Lister, Charles B., Washington, D. C. Electronic device for indicating shots in targets. 2,507,916, May 16.

Lister, George C. B., and T. E. Walsh, London, England. Automatic aligning device for endless bands. 2,521,071, Sept. 5.

Lister, John S., Montreal, Quebec, Canada. Guard for use in painting and cleaning operations. 2,517,220, Aug. 1.

Lister, R. A., & Company Limited, assignee: *See*—
Morris, Alberto J.

Listman, Albert F., Rochester, N. Y. Bottle carrier. 2,510,591, June 6.

Liston, Max D., Darien, Conn., assignor to General Motors Corporation, Detroit, Mich. Modulated heat ray detector. Re. 23,295, Nov. 21.

Liston, Max D., Wilton, assignor to The Perkin-Elmer Corporation, Glenbrook, Conn. Radiation detecting apparatus. 2,497,129, Feb. 14.

Liston, Max D., Wilton, Conn., assignor to General Motors Corporation, Detroit, Mich. Automatic spectrophotometer. 2,517,121, Aug. 1.

Liston, Max D., Wilton, and K. W. Opperman, Stamford, assignors to The Perkin-Elmer Corporation, Glenbrook, Conn. Thermopile. 2,526,491, Oct. 17.

Liston, Max D., Wilton, and K. W. Opperman, Stamford, assignors to The Perkin-Elmer Corporation, Glenbrook, Conn. Thermopile. 2,526,492, Oct. 17.

Liszt, Rudolph G.: *See*—
Munkacsi, Muky, and Liszt.

Litalien, Laurence J.: *See*—
Griggs, Henry C., and Litalien.

Litchford, George B., Huntington, N. Y., assignor to The Sperry Corporation. Antenna structure. 2,526,675, Oct. 24.

Litchford, George B., Hempstead, and W. B. Day, Mineola, N. Y., assignors to The Sperry Corporation. Directive antenna system. 2,513,338, July 4.

Lithographic Technical Foundation, Inc., assignee: *See*—
Bruno, Michael H., and Hartsuch.

Litster, Robert D., Sparks, Nev. Pneumatic peck and panel hammer. 2,527,508, Oct. 31.

Littell, F. J., Machine Company, assignee: *See*—
Littell, Frederick M.

Littell, Fred F., Pico, Calif. Pants topper. 2,521,297, Sept. 5.

Littell, Frederick M., Detroit, Mich., assignor to F. J. Littell Machine Company, Chicago, Ill. Air valve with adjustable shutoff control. 2,494,396, Jan. 10.

Litten, Walter, G. H. Aklin, and F. E. Altmen, assignors to Eastman Kodak Company, Rochester, N. Y. Photographic objective of the Cooke triplet type. 2,503,751, Apr. 11.

Litterio, Hugo M., Providence, R. I. Handle. 2,509,306, May 30.

Little, Arthur D., Inc., assignee: *See*—
Feick, George, III.
James, Raymond W.
McMahon, Howard O.
Stafford, Earl and Lee.

Little, Charles H., assignor to Universal Drafting Machine Corporation, Cleveland, Ohio. Drafting machine. 2,519,143, Aug. 15.

Little, Harry C., San Rafael, Calif. Pot type fuel burner having improved combustion characteristics. 2,502,100, Mar. 28.

Little, Jesse, Warwick, R. I., assignor to Davol Rubber Company. Nursing nipple. 2,520,157, Aug. 29.

Little, John H., Huntington Woods, Mich., and W. J. Rady, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Battery charging system. 2,498,814, Feb. 28.

Little, Julian R.: *See*—
Ladd, Elbert C., and Little.
Stiteler, Charles H., and Little.
Little, Lawrence L., Morris Plains, N. J., assignor to E. F. Drew & Co. Inc., New York, N. Y. Caustic alkali detergent composition. 2,509,440, May 30.
Little, Paul C., Hoboken, N. J., and M. W. Sparrow, Brooklyn, N. Y. Child's vehicle. 2,527,434, Oct. 24.
Little, Paul C., Hoboken, N. J., and M. W. Sparrow, Brooklyn, N. Y. Holder for soldering irons. 2,527,435, Oct. 24.
Little, Virgil E., and R. B. Norris, Port Arthur, Tex. Foldable high chair. 2,517,004, Aug. 1.
Little, Warren E., Youngstown, Ohio. Adjustable ladder anchor. 2,523,535, Sept. 26.
Little, William N., Sr., Mobile, Ala. Grass trimmer. 2,513,730, July 4.
Littlefield, Edgar E., Los Angeles, Calif. Valve mechanism. 2,496,553, Feb. 7.
Littlefield, Frank W., Lynn, Mass. Buffing and polishing wheel. 2,530,530, Nov. 21.
Littleford Bros., Inc., assignee: *See*—
Osmond, Charles W.
Littlejohn, Robert L., Los Angeles, Calif. Recording measuring device. 2,497,087, Feb. 14.
Littler, Clarence A.: *See*—
Boller, Ernest R., Eubank and Littler.
Littler, Clarence A., Maple Heights, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Phenothiazine drench compositions. 2,495,270, Jan. 24.
Littler, Clarence A., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Smear for screwworm control. 2,504,207, Apr. 18.
Litton, Charles V., Redwood City, Calif. Reactance tuning device. 2,495,744, Jan. 31.
Litton, Charles V., Redwood City, Calif., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Small turbine generator. 2,495,745, Jan. 31.
Litton, Charles V., Redwood City, Calif. Adjustable magnetron. 2,512,901, June 27.
Litwin & Sons, Inc., assignee: *See*—
Milner, Bertram.
Litwin, William J., Glastonbury, Conn. Electrical probe switch. 2,508,956, May 23.
Livak, John E.: *See*—
Britton, Edgar C., Vander Weele, and Livak.
Livak, John E., Clemson, S. C., and E. C. Britton, assignors to The Dow Chemical Company, Midland, Mich. Bromoethyl hydantoin and making same. 2,516,635, July 25.
Livak, John E., Clemson, S. C., and E. C. Britton, assignors to The Dow Chemical Company, Midland, Mich. Production of amino acids. 2,527 366, Oct. 24.
Lively, Farrell G., Cherokee, assignor to E. M. Wetmore, Tonkawa, Okla. Mill screen. 2,523,034, Sept. 19.
Livengood, Jacob R., Jr.: *See*—
Dameron, Douglas P., and Shoaf.
Livens, William H., Hampstead, England. Camera having movable roll film body parts for taking different size exposures. 2,522,387, Sept. 12.
Livermon, Carl R., Roxobel, N. C. Road vehicle. 2,533,271, Dec. 12.
Livermont, Frank W., assignor to Richmont, Inc., Los Angeles, Calif. Torque wrench. 2,503,499, Apr. 11.
Livermont, Frank W., assignor to Richmont, Inc., Los Angeles, Calif. Torque indicator. 2,506,091, May 2.
Livermore, Earl L., Glendale, Calif. Telescope mount. 2,510,289, June 6.
Livermore, William T., Grosse Pointe Farms, Mich. Loose slipper rotary pump. 2,499,763, Mar. 7.
Livestock Sprayer Mfg. Co., assignee: *See*—
Abildgaard, William and W. H.
Abildgaard, William, and Herbert.
Livingood, John J., J. V. Peters, and R. A. Streeter, assignors to Collins Radio Company, Cedar Rapids, Iowa. Apparatus for changing the ion source of a cyclotron. 2,531,065, Nov. 21.
Livingood, John R.: *See*—
Kelly, William I., and Livingood.
Livingston, Benita, Highland Park, Ill. Shortener. 2,521,589, Sept. 5.
Livingston, Charles L.: *See*—
Livingston, Francis G. and C. L.
Livingston, Efner J.: *See*—
Chapman, Harvey A., and Livingston.
Livingston, Francis G. and C. L., Algona, Iowa. Facing tool. 2,499,658, Mar. 7.
Livingston, Frank, Worcester, Mass. Polishing bonnet. 2,507,412, May 9.
Livingston, Herman G., Houston, assignor to Eastman Oil Well Survey Company, Dallas, Tex., and Denver, Colo. Combination reaming and cementing apparatus and forming cement plugs within well bores. 2,503,115, Apr. 4.
Livingston, Herman G., Houston, assignor to Eastman Oil Well Survey Company, Dallas, Tex., and Denver, Colo. Casing whipstock. 2,506,799, May 9.
Livingston, John F., assignor to Crouse-Hinds Company, Syracuse, N. Y. Conveyer chain lubrication. 2,502,659, Apr. 4.
Livingston, Orrin W., Scotia, N. Y., assignor to General Electric Company. Compensated degenerative control circuit. 2,496,881, Feb. 7.
Ljunggren, Ivan G. A., Stockholm, Sweden. Pencil sharpener. 2,523,382, Sept. 26.
Ljunggren, Thor H., assignor to Bryant Chucking Grinder Company, Springfield, Vt. Internal grinding machine. 2,502,862, Apr. 4.
Ljunggren, Thor H., Charlestown, N. H., assignor to Bryant Chucking Grinder Company, Springfield, Vt. Grinding machine drive. 2,503,674, Apr. 11.
Ljunggren, Thor H., and W. F. Moore, assignors to Bryant Chucking Grinder Company, Springfield, Vt. Feed carriage control mechanism. 2,496,400, Feb. 7.
Ljungquist, Ernst R., assignor to Lodding Engineering Corporation, Worster, Mass. Doctor device for rolls and cylinders. 2,498,213, Feb. 21.
Ljungquist, Ernst R., assignor to Lodding Engineering Corporation, Worcester, Mass. Doctor mechanism for paper machines. 2,498,214, Feb. 21.
Ljungström, Birger, Stockholm, and G. H. Larsson, Alsten, near Stockholm, assignors to See Fabriks Aktiebolag, Sandviken, Sweden. Apparatus for measuring the thickness of the material of articles, such as tubes, etc. 2,511,276, June 13.
Llewellyn, Frederick B., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Multitarget cathode-ray device. 2,496,633, Feb. 7.
Llovet, Aurelio E.: *See*—
Navarro, Miguel, and E. J. and A. E. Llovet.
Llovet, Erique J.: *See*—
Navarro, Miguel, and E. J. and A. E. Llovet.
Lloyd, Donald W., Youngstown, Ohio. Continuous circular ingot-heating furnace. 2,499,926, Mar. 7.
Lloyd, Donald W., Youngstown, Ohio. Method and apparatus for heating ingots. 2,504,707, Apr. 18.
Lloyd, Emmet C., Waco, Tex. Electrically vibrated retouching stand. 2,498,168, Feb. 21.
Lloyd, John, assignor to Sir W. G. Armstrong Whitworth Aircraft Limited, Coventry, England. Control of aircraft. 2,523,579, Sept. 26.
Lloyd, Paul E., Pasadena, Calif., assignor to the United States of America as represented by the Secretary of the Navy. Rocket launcher. 2,515,051, July 11.
Lloyd, Peter, Camberley, and A. D. Richards, Fleet, assignors to Power Jets (Research and Development) Ltd., London, England. Burner for liquid or gaseous fuels. 2,529,506, Nov. 14.
Lloyd Products Company, The, assignee: *See*—
Richardson, Arthur A.
Lloyd, Raymond G., La Grange Park, Ill. System of radio aids for aerial navigation. 2,525,815, Oct. 17.
Lloyd, Rex R., Boulder City, Nev., assignor, by mesne assignments, to Crimora Research & Development Corporation, New York, N. Y. Electrodeposition of chromium. 2,507,475, May 9.
Lloyd, Rex R., Boulder City, Nev., assignor, by mesne assignments, to Crimora Research & Development Corporation, New York, N. Y. Electrodeposition of chromium. 2,507,476. May 9.
Lloyd, Robert L., Port Washington, N. Y., assignor to American Maize-Products Company. Frozen foods. 2,516,891, Aug. 1.
Lloyd, Roy D., assignor of one-half to R. L. Gardner, Pittsburgh, Pa. Cigarette lighter. 2,513,500, July 4.
Lloyd-Young, Carysfort F., Seattle, Wash. Cutting and sanding device. 2,524,323, Oct. 3.
Loach, Smiley W.: *See*—
Kendall, Osmond, and Loach.
Lobasso, Vincent, New York, N. Y. Machine for applying labels about deformable articles such as balls of yarn. 2,504,993, Apr. 25.
Lobaugh, Frank E., South Plainfield, N. J., assignor to Universal Atlas Cement Company. Refractory concrete and making. 2,511,724, June 13.
Lobaugh, Frank E., South Plainfield, N. J., assignor to Universal Atlas Cement Company. Refractory concrete and making. 2,511,725, June 13.
Lobaugh, Frank E., South Plainfield, N. J., assignor to Universal Atlas Cement Company. Refractory concrete. 2,516,892, Aug. 1.
Lobaugh, Frank E., South Plainfield, N. J., assignor to Universal Atlas Cement Company. Refractory concrete. 2,516,893, Aug. 1.
Lobl, Frederick, Middleboro, Mass. Portable refrigerated container. 2,496,296. Feb. 7.
Lobl, Frederick, Middleboro, Mass. Bag-type container and closure therefor. 2,499,150, Feb. 28.
Lobl Manufacturing Company, The, assignee: *See*—
Porter, Malcolm E.
Lobley, Frederick A., and J. A. Foster, assignors to Miles Laboratories, Inc., Elkhart, Ind. Static neutralizer for tablet presses. 2,531,338, Nov. 21.
Lobo, Fernado G., Buenos Aires, Argentina. Apparatus for artificial respiration. 2,529,258, Nov. 7.
Lobosco, Roscoe R., Elizabeth, N. J., assignor to The Linde Air Products Company. Self-synchronous cutting machine. 2,494,663, Jan. 17.
Lobosco, Roscoe R., Elizabeth, N. J., assignor to The Linde Air Products Company. Automatic arc-started thermochemical metal removal apparatus. 2,513,425, July 4.
Lochen, Frank J., Chicago, Ill. Fishing rod handle. 2,522,624, Sept. 19.
Locher, Hans: *See*—
Grob, Oskar, and Locher.

Lochhead, John L., Springfield, Mass., assignor to the United States of America as represented by the Secretary of War. Reversible feed mechanism for machine guns. 2,504,994, Apr. 25.

Lochman, Emil R., Milwaukee, Wis. Variable pitch propeller. 2,496,169, Jan. 31.

Lochman, Emil R., Milwaukee, Wis. Dual spindle machine tool. 2,499,193, Feb. 28.

Locke, Andrew O., Denver, Colo. Lighting fixture. 2,524,353, Oct. 3.

Locke, Burton H., Framingham, Mass. Rolled paper dispenser. 2,498,215, Feb. 21.

Locke, Burton H., Framingham, Mass. Tissue dispenser combined with flush tank. 2,500,463, Mar. 14.

Locke, Burton H., Framingham, Mass. Adhesive tape dispensing and severing clip. 2,524,453, Oct. 3.

Locke, Burton H., Framingham, and H. A. Johnson, Melrose, Mass. Adhesive tape dispenser and applier. 2,515,130, July 11.

Locke, George A.: *See*—
Branson, David E., Locke, and Marshall.

Locke, Incorporated, assignee: *See*—
Bellezza, Russell G.

Locke, Jim C., assignee: *See*—
Early, Robert E.

Locke, Niel C., Lockeford, Calif. Green crop harvester. 2,510,704, June 6.

Locke, Ronald S., and A. J. Daly, Spondon, near Derby, England, assignors to Celanese Corporation of America. Producing porous materials. 2,504,208, Apr. 18.

Locke, Spier & Company (1928) Limited, assignee: *See*—
Spier, Norman N., and Phillips.

Locke Stove Company, assignee: *See*—
Esson, Edwin.

Locke, William B., Highland Park, and P. E. Fraser, Detroit, Mich., said Fraser assignor to said Locke. Automatic drilling and tapping unit. 2,504,853, Apr. 18.

Lockenvitz, John, Bloomington, Ill. Grain wagon. 2,499,925, Mar. 7.

Locker, Melville H.: *See*—
Wiener Morton, and Locker.

Locket, Sam P., Mexico, Mo. Heater construction, including door draft and closure means. 2,533,674, Dec. 12.

Lockett, John R., Columbus, Ohio. Leak-detecting apparatus for oil well casings. 2,502,863, Apr. 4.

Lock Fast Company, Inc., The, assignee: *See*—
Starr, George.

Lockhart, James H.: *See*—
Hovey-King, Albert K., and Lockhart.

Lockhart, Marshall L., Rutherford, N. J. Hypodermic syringe. 2,514,883, July 11.

Lockhart, Robert K., Collingswood, N. J., assignor to Radio Corporation of America. Power supply interlock system. 2,514,079, July 4.

Lockheed Aircraft Corporation, assignee: *See*—
Beman, Ward W.
Bloomfield, John J.
Brewer, Ward B.
Carlson, Phillip R.
Cleveland, Frank A., II.
Crot, Andre.
De Laval, Fulvio M.
Detweiler, James I.
Edison, John S.
Hawkins, Willis M.
Hruby, John O., Jr.
Johnson, Charence L., Hawkins, Jr., and Storey, Jr.
Kellam, Arthur M.
Kendrick, James B.
Mead, Ralph K., and Alexander.
Messinger, Bernard L.
Peters, Edgar G.
Price, Nathan C.
Rawlins, Robert E.
Rempt, Henry F., and Thielman.
Rose, Bernhard A.
Rowe, Harbert D.
Salmi, Douglas S.
Simon, Eli, and Thomas.
Soukup, George J.

Lock Joint Pipe Company, assignee: *See*—
Hirsh, Philip R.

Lockley, John F., assignor of one-half to Woodward Grosvenor & Company Limited, Kidderminster, Worcester, England. Loom for weaving pile fabrics. 2,509,776, May 30.

Lockley Machine Company, assignee: *See*—
Richards, Archer W.

Lockman, Carl J., Enebyberg, Sweden, assignor to American Heat Reclaiming Corporation, New York, N. Y. Automatically controlled recovery of heat and SO_2 gas from relief gases and waste liquor. 2,494,098, Jan. 10.

Lockman, Carl J., Enebyberg, Sweden, assignor, by mesne assignments, to Rosenblad Corporation, New York, N. Y. Operating heat exchangers. 2,508,119, May 16.

Lockridge, William R., administrator: *See*—
Loughridge, Matthew H.

Lockwood, Arlie F., Portland, Oreg. Swivel coupler for grease guns. 2,499,659, Mar. 7.

Lockwood, Edwin H., Fairfield, assignor to Casco Products Corporation, Bridgeport, Conn. Feed-through switch. 2,529,845, Nov. 14.

Lockwood, Harry A., Meriden, assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn. Dehumidifying device. 2,507,028, May 9.

Lockwood, Harry A., Westport, assignor to Clark Metal Products, Inc., Fairfield, Conn. Dehydrator plug. 2,511,726, June 13.

Lockwood, James D., Endicott, N. Y. Sectional container for holding cutting dies and tags. 2,523,961, Sept. 26.

Lockwood, Lewis B., and F. H. Stodola, Peoria, Ill., assignors to the United States of America as represented by the Secretary of Agriculture. Culturing bacteria. 2,496,297, Feb. 7.

Lockwood, Lloyd K., Saginaw, Mich. Fastener for roofing and the like. 2,517,122, Aug. 1.

Lockwood, Roy V., Wyckoff, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Transfer line connection. 2,511,813, June 13.

Lockwood, Sidney W. D.: *See*—
Woodhams, Herbert M., and Lockwood.

Lockwood, Thorval J., Gering, Nebr. Potato elevator. 2,501,448, Mar. 21.

Lockwood, William C., Los Angeles, assignor to Calresin Corporation, Culver City, Calif. Vinyl resin compositions and molds produced therefrom. 2,525,177, Oct. 10.

Lockwood, William H., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Azo catalysts in preparation of sulfonyl chlorides. 2,503,279, Apr. 11.

Lockwood, William H., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Azo catalysts in preparation of sulfonic acids. 2,503,280, Apr. 11.

Locomotive Firebox Company, assignee: *See*—
Pyle, Leslie R.

Lodding Engineering Corporation, assignee: *See*—
Ljungquist, Ernst R.

Loder, Donald J.: *See*—
Larson, Alfred T., Loder, and Dittmar.

Loder, Donald J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of ethyleneurea. 2,504,431, Apr. 18.

Loder, Donald J., and W. F. Gresham, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Oxygenated organic polymers. 2,497,315, Feb. 14.

Loder, Donald J., and W. F. Gresham, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. N-isopropyl di-(alkoxymethoxyalkyl) amines. 2,511,476, June 13.

Lodes, Frederick G., Yonkers, assignor to Allied Chemical & Dye Corporation, New York, N. Y. Liquefied gas propellant compositions. 2,529,092, Nov. 7.

Lodge, Edmund G., Rosemont, Pa., assignor to J. Keefe, Jr., trading as Keefe Electronic Sales Co., Camden, N. J. Slide contactor switch. 2,521,468, Sept. 5.

Lodge, Joseph E., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Seal for strand coating apparatus. 2,507,310, May 9.

Lodge, Joseph E., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Strainer. 2,507,311, May 9.

Lodge, Joseph E., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Molding apparatus. 2,513,808, July 4.

Lodge, Joseph E., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Expansible wiping die. 2,522,289, Sept. 12.

Lodge and Shipley Company, The, assignee: *See*—
Fritzsch, Frank A.
Rosaen, Oscar E.
Rosen, Oscar E.
Weber, Louis L., Kling, and Franken.

Loeb, Lawrence A., New Haven, Conn. Artificial lure. 2,511,117, June 13.

Loeb, Lawrence A., New Haven, Conn. Dishwashing machine having an extensible rotary brush for receptacles. 2,532,925, Dec. 5.

Loebeck, Robert E.: *See*—
Briggs, Preston P., and Loebeck.

Loedding, Alfred C., Dayton, Ohio. Lift control for aircraft. 2,503,585, Apr. 11.

Loeffler, Albert, New York, N. Y. Liquid container and dropper. 2,522,832, Sept. 19.

Loeffler, Fritz, assignor to Lador, Inc., New York, N. Y. Music roll alarm clock. 2,509,871, May 30.

Loeffler, Henry S., and G. V. Guerin, Jr., St. Paul, Minn. Train order stand. 2,526,145, Oct. 17.

Loening, Erich E.: *See*—
Mitson, Charles H., and Loening.

Loepsinger, Albert J., assignor to Grinnell Corporation, Providence, R. I. Automatic sprinkler. 2,528,063, Oct. 31.

Loepsinger, Albert J., assignor to Grinnell Corporation, Providence, R. I. Spring support. 2,535,305, Dec. 26.

Loesser, Edwin C., Glen Ridge, N. J. Collapsible tube holder. 2,508,722, May 23.

Loether, Raymond H., Pittsburgh, Pa. Flush valve. 2,504,555, Apr. 18.

Loether, Raymond H., Pittsburgh, Pa. Locking caster. 2,527,639, Oct. 31.

Loether, Raymond H., Pittsburgh, Pa. Fountain brush. 2,528,599, Nov. 7.

Loevenstein, Hirsch, New York, N. Y., assignor to Independent Aluminum Corporation. Purifying aluminum by distillation of mixtures thereof with other metals. 2,513,339, July 4.

Loew, Theodore, Brooklyn, assignor to Trubenizing Process Corporation, New York, N. Y. Notching device. 2,530,830, Nov. 21.
Loewe, Jacques, Research Foundation, Inc., The, assignee: *See*—
Pitkin, George P.
Loewe, Peter L., and E. L. Boyce assignors, by mesne assignments, to Pioneer Gen-E-Motor Corporation, Chicago, Ill. Forward and reverse gearing for lawn mowers. 2,529,035, Nov. 7.
Loewen, Peter F., Denver, Colo. Combination coffee table and tray. 2,592,526, Apr. 4.
Loewenthal, Sadie G. and W., Miami Beach, Fla. Building unit. 2,530,708, Nov. 21.
Loewenthal, William: *See*—
Loewenthal, Sadie G. and W.
Loewer, Henry F., Rochester N. Y., assignor to United Last Company, Portland, Maine. Stand for operating lasts. 2,504,138, Apr. 18.
Loewer, Henry F., Rochester, N. Y., and O. S. Porter, Shrewsbury, Mass., assignor to United Last Company, Portland, Maine. Last block centering apparatus. 2,535,433, Dec. 26.
Loewinsohn, Joseph A., Atlanta, Ga. Reservoir-handled, measured-feed fountain shaving brush. 2,529,036, Nov. 7.
Loewy Engineering Company Limited, The, assignee: *See*—
Langen, Matthias.
Loewy, Erwin, assignee: *See*—
Wood, Frank J.
Loewy, Max, Los Angeles, Calif.; F. Osofsky, administratrix of said M. Loewy, deceased. Combined chair and table. 2,502.383, Mar. 28.
Loevinger, Robert, Berkeley, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Ion generator. 2,499,320, Feb. 28.
Loffredo, Peter, Waukesha, Wis. Barbecue grill. 2,511,594, June 13.
Loffredo, Peter, Waukesha, Wis. Camper's stove. 2,515,521, July 18.
Löfgren, Carl A: *See*—
Axelson, Eskil A. A., and Löfgren.
Lofgren, Gustaf E., Riverside, assignor to Electrolux Corporation, Old Greenwich, Conn. Vacuum cleaner. 2,522,882, Sept. 19.
Lofgren, Gustaf E., Riverside, assignor to Electrolux Corporation, Old Greenwich, Conn. Vacuum cleaner. 2,534,280, Dec. 19.
Loflen, Conrad M.: *See*—
Vaughn, Ralph H., and Loflen.
Lofstrand, Anders R., Jr., Silver Spring, Md. Tank and spray gun. 2,493,677, Jan. 3.
Lofstrand, Anders R., Sr., Silver Spring, Md. Counterbalance for glassware washing machines. 2,506,228, May 2.
Lofstrand, Anders R., Jr., Silver Spring, Md. Spray gun handle. 2,512,281, June 20.
Loftis, Homer J., assignor to Henrite Products Corporation, Ironton, Ohio. Sealing means for moving shafts. 2,522,231, Sept. 12.
Loftus Engineering Corporation, assignee: *See*—
Ferguson, Vernon H.
Loftus Engineering Corporation, Inc., assignee: *See*—
Campion, Donald C., Sr.
Guthrie, James M.
Loftus, Fred H.: *See*—
Harman, Eugene S., and Loftus.
Loftus, Fred H., Mount Lebanon, Pa. Air-cooled burner for furnaces. 2,507,260, May 9.
Logan, Ashley J., assignor to C. F. Hathaway Co., Waterville, Maine. Device and method of forming collar stuffers. 2,511,214, June 13.
Logan, Clarence E.: *See*—
Gunn, George F., and Logan.
Logan Co., Inc., assignee: *See*—
Gotthardt, Henry R.
Logan Electric Products, Inc., assignee: *See*—
Quackenbush, Cleveland H. and J. L.
Logan, Frank G., Kirkwood, Mo., assignor to Vickers Incorporated, Detroit, Mich. Increasing frequency. 2,517.396, Aug. 1.
Logan, Frank G., Mount Vernor, N. Y., assignor to Ward Leonard Electric Company. Variable tarnsformer. 2,515,782, July 18.
Logan, Harry B., Wapato, Wash. Garbage can holder and protector. 2,505,126, Apr. 25.
Logan, James J. and R. B., Strafford, Pa. Tooth pulp tester. 2,522,052. Sept. 12.
Logan, John W., Jr.: *See*—
Bone, Herbert L., Temple, and Logan.
Logan, John W., Jr., Forest Hills, and G. V. Jefferson, Edgewood, assignors to The Union Switch and Signal Company, Swissvale, Pa. Railway drawbridge circuit controller. 2,528,064, Oct. 31.
Logan, Joseph A., Hadley, assignor to Gilbert & Barker Manufacturing Company, Springfield, Mass. Automatically variable air supply control for oil burners. 2,497,316, Feb. 14
Logan, Joseph A., Hadley, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Liquid dispensing apparatus of the extensible hose type. 2,504,269, Apr. 18.
Logan, Joseph A., Hadley, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Dual firing rate oil burner with nozzle purging means. 2,516,062, July 18.
Logan, Joseph A., Hadley, and R. M. Cochrane, assignors to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Pressure atomizing oil burner with a built-in combustion chamber. 2,516,063, July 18.
Logan, Joseph A., Hadley, and E. V. Lavallee, South Hadley Falls, assignors to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Latching means for hose nozzle valves. 2,528,696, Nov. 7.
Logan, Joseph A., Hadley, and E. V. Lavallee, South Hadley, assignors to Gilbert & Barker Manufacturing Company, West Sprinfield, Mass. Hose nozzle of the automatic shutoff type. 2,528,697, Nov. 7.
Logan, Kenneth, Warrenton, Oreg. Crab cracker. 2,517,899, Aug. 8.
Logan, Robert B.: *See*—
Logan, James J. and R. B.
Logashkin, Theodore A., Yarwun, Queensland, Australia. Forced draft air-cooling system for internal-combustion engines. 2,497,781, Feb. 14.
Loggie, John M., Westport, Conn., assignor to John Robert Powers Products Co., Inc., New York, N. Y. Optical color comparison apparatus. 2,502,014, Mar. 28.
Logmann, Arthur A., and G. C. Meyers, Michigan City, Ind., assignors to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Lading strap anchor for freight cars. 2,520,554, Aug. 29.
Lohmann, Carl, New York, N. Y. Artificial hand. 2,500,614, Mar. 14.
Lohmannan, Glen C., assignee: *See*—
Way, Darl.
Lohmeyer, Walter G., Jr.: *See*—
Castedello, William, and Lohmeyer.
Lohr, James M., Morristown, assignor to Driver-Harris Company, Harrison, N. J. Electric resistance element and heat-treatment. 2,533,735, Dec. 12.
Lohr, James M., Morristown, assignor to Driver-Harris Company, Harrison, N. J. Electric resistance element and method of heat-treatment. 2,533,736, Dec. 12.
Lohr, Melvin C., Erie, Pa. Emergency fire maker. 2,527,100, Oct. 24.
Lohr, Raymond J., Erie, Pa. Screw holding screw driver. 2,534,719, Dec. 19.
Lohr, Raymond J., and R. N. Carver, Erie, Pa., assignors to Louis Marx & Company, Inc., New York, N. Y. Changeable and refillable lipstick assembly. 2,497,950, Feb. 21.
Lohse, Edward, assignor to Control Instrument Company, Inc., Brooklyn, N. Y. Automatic switch positioning device. 2,511,727, June 13.
Lokker, Robert P., and F. Verano, Holland, Mich. Making electronic coils. 2,506,604, May 9.
Lolkema, Jan, Hoogezand, and W. A. van der Meer, Haren, assignors to Naamlooze Vennootschap: W. A. Scholten's Chemische Fabrieken, Groningen, Netherlands. Preparation of cold swelling starch-aldehyde compositions. 2,510,748, June 6.
Lolli, John, and G. Papitto, Chicago Heights, Ill. Automatic station selecting and tuning device for radio receivers and the like. 2,501,472, Mar. 21.
Lomartire, John: *See*—
McFarlane, Samuel B., and Lomartire.
Lomartire, John, Cumberland, Md., assignor to Celanese Corporation of America. Preparation of esters. 2,533,323, Dec. 12.
Lomax, Clarence E., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Connector switch controlled from either calling or called party to transmit different types of signaling. 2,497,782, Feb. 14.
Lomax, Clarence E., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Telephone system including a line finder allotter. 2,513,426, July 4.
Lomax, Clarence E., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Controlling circuits for rotary connector switches. 2,515,783, July 18.
Lomax, Calarence E., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Repeater switching telephone system. 2,520,644, Aug. 29.
Lomax, Clarence E., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Selector switch metering circuit. 2,525,417, Oct. 10.
Lomax, Clarence E., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Selector switch in automatic telephone systems. 2,529,402, Nov. 7.
Lomax, Clarence E., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Party line metering, including selection of the meter prior to signaling the operator. 2,532,926, Dec. 5.
Lomax, Frank B., Co., assignee: *See*—
Slepicka, August H.
Lombard, Adrian A., Clitheroe, assignor to Rolls-Royce Limited, Derby, England. Supporting the nozzles of the combustion chambers of internal-combustion turbines. 2,494,821, Jan. 17.
Lombard, Adrian A., Clitheroe, assignor to Rolls-Royce Limited, Derby England. Flexible shaft coupling. 2,525,695, Oct. 10.

Lombard, Adrian A., Clitheroe, and G. K. L. Gourlay, deceased, Skipton, Yorkshire, England, by M. V. Grimwood, Cranleigh, and G. Skipwith, Mortimer, administrators, assignors to Rolls-Royce Limited, Derby, England. Device for automatically adjusting a variable jet nozzle for a jet propulsion unit with variations in the temperature prevailing in the jet pipe. 2,514,248. July 4.

Lombard, Bernard W.: *See*—
Lombard, Charles S. and B. W.

Lombard, Charles F., South Pasadena, Calif. Inhaler apparatus. 2,535,938, Dec. 26.

Lombard, Charles S. and B. W., North Baltimore, Ohio. Ladder bracket. 2,496,057, Jan. 31.

Lombard, Eugene, Clinton, Pa., assignor to Crucible Steel Company of America, New York, N. Y. Apparatus for feeding elongated stock to and from fabricating units. 2,525,305, Oct. 10.

Lombard, Herman, U. S. Navy. Air inlet vent. 2,528,600, Nov. 7.

Lombard, Herman, Washington, D. C. Sealed receptacle. 2,513,575, July 4.

Lombardo, Albert R., Beaumont, Tex. Automatic sales board register. 2,511,025, June 20.

Lomholdt-Pedersen, John, Gentopte, Denmark. Quick-freezing. 2,529,959, Nov. 14.

Lomholt, Carl, Bogota, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Latching device. 2,510,122, June 6.

Lomholt, Carl, Bogota, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. One-piece spring jack frame. 2,520,158, Aug. 29.

Londergan, Thomas E., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of polyoxymethylene ethers. 2,512,950, June 27.

London, Isreal J., Detroit, Mich. Towel grip. 2,526,376, Oct. 17.

London, Isreal J., Detroit, Mich. Projector. 2,526,377, Oct. 17.

London, Loo R.: *See*—
Schall, Harold E., and London.

London, Milton H., Detroit, Mich. Ticket pad. 2,525,918, Oct. 17.

Loney, William W., La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Spray booth. 2,527,139, Oct. 24.

Long, Adrian L., Spokane, Wash. Plastic suitcase sections having embedded-hinge and meeting-edge gasket. 2,510,643, June 6.

Long Brothers Company, assignee: *See*—
Long, Elbert E.

Long, Carl E., Santa Monica, assignor, by mesne assignments, to Hardman Tool & Engineering Co., South Gate, Calif. Adjustaable armrest between chairs. 2,506,156, May 2.

Long, Douglas P., Chislehurst, assignor to Siemens Brothers & Company, Limited, London, England. Selecting switch for use in telephone systems. 2,504,708, Apr. 18.

Long, Douglas P., Chislehurst, assignor to Siemens Brothers & Co., Limited, London, England. Selecting switch for use in telephone systems. 2,513,949, July 4.

Long, Douglas P., Chislehurst, assignor to Siemens Brothers & Co. Limited, London, England. Marking arrangement for final selector switches. 2,529,471, Nov. 7.

Long, Edmund J.: *See*—
Leardi, Thomas A., Long, and Stephens.

Long, Elbert E., assignor to Long Brothers Company, Kalamazoo, Mich. Roller type liquid coating applicator. 2,525,418, Oct. 10.

Long, Frederick, Bramhall, England, assignor to Illinois Tool Works, Chicago, Ill. Lock washer. 2,509,158, May 23.

Long, George, St. Louis Park, Minn., assignor to General Mills, Inc. Device for applying tape to contiguous faces of rectangular objects. 2,512,579, June 20.

Long, George W.: *See*—
Lowe, Sherwin P., Long, Downes, and Kent.

Long, Harold F. A.: *See*—
Draeger, Rupert H., and Long.

Long, Harry C., assignor to Reliance Manufacturing Company, Incorporated, Portland, Oreg. Igniter for vaporizing oil burners of the open receptacle type. 2,520,159, Aug. 29.

Long, James M., Henderson, assignor to Associated Engineers, Inc., Las Vegas, Nev. Mechanical drive mechanism. 2,505,978, May 2.

Long, John D., Caracas, Venezuela, assignor to Standard Oil Development Company. Apparatus for countercurrent contact of fluid materials. 2,523,126, Sept. 19.

Long, John H., Jackson Heights, assignor to Faximile, Inc., New York, N. Y. Unitary spring and printer blade for facsimile recorders. 2,495,271, Jan. 24.

Long, John H., Jackson Heights, assignor to Faximile, Inc., New York, N. Y. Distributing wear of linear electrodes in facsimile recorders embodying helical and linear electrodes. 2,505,779, May 2.

Long, John R.: *See*—
Clifford, Albert M., and Long.

Long, John R., assignor of one-third to L. C. King, Akron, Ohio. Revolving stall for vehicles. 2,527,485, Oct. 24.

Long, Loren M., Grosse Pointe Woods, assignor to Parke, Davis & Company, Detroit, Mich. α-acylamido-β-hydroxy nitro substituted propiophenones. 2,515,239, July 18.

Long, Loren M., Grosse Pointe Woods, assignor to Parke, Davis & Company, Detroit, Mich. Nitrophenyl ketonic amino alcohols. 2,515,240, July 18.

Long, Loren M., Grosse Pointe Woods, assignor to Parke, Davis & Company, Detroit, Mich. Nitrophenyl acylamino acyloxy ketones. 2,515,241, July 18.

Long, Loren M., Grosse Pointe Woods, and H. D. Troutman, Ferndale, assignors to Parke, Davis & Company, Detroit, Mich. Naphthalene compounds. 2,516,130, July 25.

Long, Merton W., Jr., assignor to The Dow Chemical Company, Midland, Mich. Butenol alkanol amines. 2,497,553, Feb. 14.

Long, Merton W., Jr., assignor to The Dow Chemical Company, Midland, Mich. Purification of methyl anthranilate. 2,517,691, Aug. 8.

Long, Norman O., Niagara Falls, N. Y. Refrigerator. 2,498,562, Feb. 21.

Long, Olive L., Mesa, Ariz. Child's undershirt. Re. 23,202, Mar. 7.

Long, Richard H., assignor to Bendix Aviation Corporation, South Bend, Ind. Transmission operating mechanism. 2,514,002, July 4.

Long, Robert S., Plainfield, N. J., assignor to American Cyanamid Company, New York, N. Y. Metallized dyes from trimethylacetoacetonitrile. 2,525,610, Oct. 10.

Long, Robert S., Plainfield, N. J., assignor to American Cyanamid Company, New York, N. Y. Metallizable dyes from trimethylacetoacetonitrile. 2,525,611, Oct. 10.

Long, Robert W., Wooster, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Method and apparatus for analyzing substance by mass spectrometry. 2,511,728, June 13.

Long, Thomas H., assignor to C. G. Conn, Ltd., Elkhart, Ind. Electrical musical instrument. 2,496,224, Jan. 31.

Long, William H., Chicago, Ill. Fixture for mounting fluorescent lighting structures. 2,511,440, June 13.

Longaker, Edgar L., Collegeville, Pa., assignor to The Electric Storage Battery Company. Storage battery. 2,521,924, Sept. 12.

Longan, Earl K., deceased, Wichita Falls, Tex.: L. C. Longan, administratrix. Key container. 2,525,748, Oct. 10.

Longan, Lula C., administratrix: *See*—
Longan, Earl K.

Longenecker, Joseph B.: *See*—
Cleland, James E., and Longenecker.

Longenecker, Levi S., Mount Lebanon, Pa. Furnace door operating mechanism. 2,494,713, Jan. 17.

Longenecker, Levi S., Mount Lebanon, Pa. Smelting furnace. 2,534,825, Dec. 19.

Longeway, Leo, Storthoaks, Saskatchewan, Canada. Grill guard. 2,501,065, Mar. 21.

Longfellow, Dwight W., Golden Beach, Fla. Rotary combustion chamber. 2,504,854, Apr. 18.

Longfellow, Earl E., assignor to H. H. Leiter, Warsaw, Ind. Rack. 2,518,155, Aug. 8.

Longini, Richard L., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Weld timing circuits. 2,532,111, Nov. 28.

Longnecker, Harry F., Euclid, assignor to F. H. Harmon, Cleveland, Ohio Key identification device. 2,507,794, May 16.

Longo, Anthony, Cranston, R. I., assignor to M. Longo & Sons Inc. Fresh produce package cooled by ice. 2,496,731, Feb. 7.

Longo, John: *See*—
Pan, Wen Y., and Longo.

Longo, M., & Sons Inc., assignee: *See*—
Longo, Anthony.

Longren Aircraft Company, assignee: *See*—
Peterson, Albin, and Wentworth.

Longstreet, James R., Bedford, assignor to The Warner & Swasey Company, Cleveland, Ohio. Gear train for machine tool slides. 2,501,281, Mar. 21.

Longwell, Anna M.: *See*—
Longwell, Charles P. and A. M.

Longwell, Charles P. and A. M., Ford City, Pa. Garment hanger. 2,506,510, May 2.

Longwell, Paul A., A. D. Ayers, and B. H. Sage, Pasadena, Calif., assignors to the United States of America as represented by the Secretary of the Navy. Manufacturing propellants. 2,495,216, Jan. 24.

Longyear, E. J., Company, assignee: *See*—
Pickard, Albert F.

Lonngren, Harald E., New York, N. Y. Two-stage air swept ball mill. 2,507,917, May 16.

Lonngren, Harald E., New York, N. Y. Method and apparatus for conversion of hydrocarbons. 2,508,120, May 16.

Lönnqvist, Karl E.: *See*—
Kjell-Berger, Bo G. K., and Lönnqvist.

Lontz, John F.: *See*—
Coffman, Donald D., and Lontz.

Looft, Otto, Seattle, Wash. Plate and dish warming dining table. 2,535,500, Dec. 26.

Loomis, Evarts G., Newark, N. J. Mixing machine for plastic materials. 2,504,337, Apr. 18.

Loonam, Alfred C., assignor to Chilean Nitrate Sales Corporation, New York, N. Y. Production of titanium tetraiodide. 2,519,385, Aug. 22.
Lonne, Ingvar, Burbank, Calif. Razor drive mechanism. 2,519,332, Aug. 15.
Lonne, Ingvar, Burbank, Calif. Dryshaver with hair receiving receptacle. 2,520,885, Aug. 29.
Lonnee, Clifford J.: *See*—
Olsen, Ernest R., Flora, and Lonnee.
Looney, Charles T. G., Silver Spring, Md., assignor to the United States of America as represented by the Secretary of the Navy. Drive for nutator. 2,528,963, Nov. 7.
Looney, Charles T. G., Silver Spring, Md., L. G. Howell, Houston, Tex., and B. G. Johnston, Bethlehem, Pa., assignors to the United States of America as represented by the Secretary of the Navy. Deceleration apparatus. 2,498,045, Feb. 21.
Looney, Joseph S., Beaumont, Tex. Animated toy. 2,504,432, Apr. 18.
Looney, William E., Detroit, Mich. Power transmission device. 2,533,126, Dec. 5.
Loos, Marie, Fort Wayne, Ind. Eye protector. 2,527,947, Oct. 31.
Loos, Norman C., St. Paul, Minn. Pipe vise selectively supportable by floor frame or suspendible from overhead joists. 2,524,916, Oct. 10.
Loos, Robert A.: *See*—
Jewett, Charles S., Loos and Mehnert.
Loose Leaf Metals Co., assignee: *See*—
Dawson, James C., Jr.
Loose, Winfield W., Washington, D. C., assignor to Willson Products, Inc., Reading, Pa. Respirator. 2,534,720, Dec. 19.
Loosen, Donald G., Los Angeles, Calif. Vibrating applicator. 2,512,499, June 20.
Loosli, D. H., Company, Inc., assignee: *See*—
Loosli, Dimond H.
Loosli, Dimond H., assignor to D. H. Loosli Company, Inc., Idaho Falls, Idaho. Chuck. 2,509,688, May 30.
Lootens, William F., Syracuse, N. Y., assignor to General Electric Company. Demagnetization of electromagnetic recording heads. 2,531,141, Nov. 21.
Lopata, Ira L., Elizabeth, N. J. Emulsifier device. 2,513,035, June 27.
Lopato, Harold, assignor to Majestic Shoulder Pad Corp., New York, N. Y. Shoulder pad. 2,530,392, Nov. 21.
Lopato, Harold, assignor to Majestic Shoulder Pad Corp., New York, N. Y. Shoulder pad. 2,530,393, Nov. 21.
Loper, George B., Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Variable gain voltage amplifier. 2,497,835, Feb. 14.
Loper, George B., Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Attenuation control circuit. 2,508,677, May 23.
Loper, George B., Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Modulation-free gain control system. 2,515,456, July 18.
Loper, George B., Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Gain control system for seismographs. 2,526,608, Oct. 17.
Lopes, Frank S., Redwood City, Calif. Sausage toaster. 2,506,931, May 9.
Lopez, Eliseo, Jr.: *See*—
Stanfield, Dow F., and Lopez.
Lopez, Francisco G., Buenos Aires, Argentina, assignor, by mesne assignments, to General Electric Company, Schenectady, N. Y. Apparatus for preparing mercury dosing ampules. 2,501,397, Mar. 21.
Lopez, Frank A., Williston Park, assignor to Remington Rand Inc., New York, N. Y. Combined tabulator and summary punch, and especially the controls therefor. 2,512,865, June 27.
Lopez, Michael: *See*—
Minerva, John, and Lopez.
Lopker, Edwin B., Oaklyn, and J. E. Peirce, Arlington, N. J., assignors to Allied Chemical & Dye Corporation. Manufacture of hydrogen fluoride. 2,507,605, May 16.
Loporto, Frank, Cicero, Ill. Fuse plug. 2,505,193, Apr. 25.
Loptson, Adalsveinn M., Batesburg, S. C., now by judicial change of name Alexander M. Loptson. Sipping straw. 2,531,855, Nov. 28.
Loptson, Alexander M.: *See*—
Loptson, Adalsveinn M.
Lorain Products Corporation, assignee: *See*—
Pohm, George H.
Lorand, Eugene J.: *See*—
Bishop, William T., Lorand, and Reese.
Lorand, Eugene J., Wilmington, Del., and J. E. Reese, St. Simon Island, Ga., assignors to Hercules Powder Company, Wilmington, Del. Stabilization of hydroperoxides. 2,527,640, Oct. 31.
Lorch, Hermann R.: *See*—
Hancock, Douglas C., and Lorch.
Lorch, Hermann R., Barnehurst, Kent, D. C. Hancock, North Wembley, and A. B. F. G. Richardson, assignors to British Insulated Callender's Cables Limited, London, England. Apparatus for the coating of wire. 2,528,009, Oct. 31.
Lorch, W. W., assignee: *See*—
Sorensen, Clarence T.
Lord, Arthur V., assignor to Pye Limited, Cambridge, England. Synchronizing pulse separator. 2,500,839, Mar. 14.
Lord, Edgar T., assignee: *See*—
Kaplan, Leonard.
Lord, Francis L. B., Bloomfield, N. J., assignor of one-half to E. T. Roe, Pleasantville, N. Y. Locking, threading assembly. 2,508,409, May 23.
Lord, Harold W.: *See*—
Bias, Frank J., and Lord.
Lord, Harold W., Schenectady, N. Y., assignor to General Electric Company. Flashtube triggering circuits. 2,509,005, May 23.
Lord, Harold W., Schenectady, N. Y., assignor to General Electric Company. Balanced magnetic amplifier. 2,509,738, May 30.
Lord, Harold W., Schenectady, N. Y., assignor to General Electric Company. Electrical high-frequency pulse translating network. 2,525,454, Oct. 10.
Lord Manufacturing Company, assignee: *See*—
Freel, Charles L.
Henshaw, Richard C.
Strachovsky, Nikita B.
Lord, Robert W., Portsmouth, N. H. Crib attachment. 2,500,640, Mar. 14.
Loree, Minton R., Mount Morris, Mich. Fish stringer. 2,518,915, Aug. 15.
Lorentz, Melvin E., assignee: *See*—
Hedberg, Aldrich R.
Lorentzen Hardware Mf'g. Corp., assignee: *See*—
Nelson, Harry.
Nelson, Harry H.
Lorenz, Anton, Buffalo, N. Y. Sofa-bed with forward turning back. 2,534,175, Dec. 12.
Lorenz, Anton, Buffalo, N. Y. Combined sofa seat and bed. 2,534,176, Dec. 12.
Lorenz, Anton, Buffalo, N. Y. Reclining article of furniture. 2,535,687, Dec. 26.
Lorenz, Anton, Buffalo, N. Y., and H. Nock, Elizabeth, N. J. Combined sofa seat and bed. 2,534,177, Dec. 12.
Lorenz, Carl R., Santa Monica, Calif. Fishing reel. 2,535,584, Dec. 26.
Lorenz, Fred: *See*—
Lorenz, Hans, and Fred.
Lorenz, Hans and F., Esmond, S. Dak. Combine pickup cleaner. 2,501,906, Mar. 28.
Lorenz, Leo R., and R. Patterson, Muskegon, Mich., assignors to Anaconda Wire and Cable Company. Layer winding machine. 2,533,382, Dec. 12.
Lorenz, Otto A., and H. W. Yarnell, assignors to Teletype Corporation, Chicago, Ill. Line feed release mechanism. 2,534,461, Dec. 19.
Lorenz, Robert, Denver, Colo. Bubble gun and holster therefor. 2,518,627, Aug. 15.
Lorenz, Vincent C., Anaconda, Mont. Automatic hand and band saw tooth-setting machine. 2,498,167, Feb. 21.
Lorenzo, Frank A., Punxsutawney, Pa. Fracture reduction apparatus. 2,526,959, Oct. 24.
Loret, Jacques, Sevres, assignor to Etabilssements Marcel Gaupillat, Paris, France. Delay action blasting cap. 2,506,157, May 2.
Loria, Anthony: *See*—
Dickey, Joseph B., and Loria.
Loria, Walter J., New York, and J. Suhre, Richmond, N. Y. Electric blood pressure diagnostic device. 2,493,301, Jan. 3.
Loria, Walter J., and J. Suhre, New York, N. Y. Timepiece calibration recording apparatus. 2,532,631, Dec. 5.
Lorig, Edwin T., Ross Township, Allegheny County, Pa., assignor to Carnegie-Illinois Steel Corporation. Continuous strand helical conveying and heating apparatus. 2,532,562, Dec. 5.
Lorimer, Bertram D., Toronto, Ontario, assignor by mesne assignments, to Northern Electric Company, Limited, Montreal, Quebec, Canada. Switch bank contact cleaner. 2,504,709, Apr. 18.
Loritsch, John A.: *See*—
Nordlander, Birger W., and Loritsch.
Loritsch, John A., Scotia, N. Y., assignor to General Electric Company. Coating and impregnating compositions and articles produced from the same. 2,528,235, Oct. 31.
Lornitzo, Frank C., Pawtucket, assignor to Pantex Manufacturing Corporation, Central Falls, R. I. Transmutable lever actuated pressing machine. 2,517,123, Aug. 1.
Loroco Industries Incorporated, assignee: *See*—
Tomarin, Harry A.
Lorrance, Arthur, Flushing, N. Y. Tissue container. 2,519,261, Aug. 15.
Lortie, Marthe: *See*—
Warnecke, Robert, and Lortie.
Losee, Kathryn A.: *See*—
Lott, William A., and Losee.
Losey, Clifford V.: *See*—
Robinson, James, and Losey.
Losiewicz, Edward P., assignee: *See*—
Lowe, Theodore M.
Losquadro, Michael A., Brooklyn, assignor to Antla Products, Hempstead, N. Y. Electric terminal system. 2,533,483, Dec. 12.

Loss, Aaron, Outremont, Quebec, and N. Scholnick, Montreal, Quebec, Canada. Detachable pressing and antishine device. 2,504,029, Apr. 11.

Loss, Harold D., Camillus, assignor to Allied Chemical & Dye Corporation, New York, N. Y. Shipment of calcium chloride in tank cars. 2,505,194, Apr. 25.

Lossing, Frederick P.: *See*—
McCoubrey, James A., Lossing.

Loth, Gaylord, assignor to The Hinde & Dauch Paper Company, Sandusky, Ohio. Bottom construction for paperboard containers. 2,502,384, Mar. 28.

Lothman, Victor O., Evanston, Ill. Calculator. 2,528,010, Oct. 31.

Lott, William A., Maplewood, and K. A. Losee, New Brunswick, N. J., assignors to E. R. Squibb & Sons, New York, N. Y. Salt-type combinations of p-aminomethyl-benzene-sulfonamides and substituted p-aminobenzene-sulfonamides. 2,493,632, Jan. 3.

Lott, William A., Maplewood, N. J., assignor to E. R. Squibb & Sons, New York, N. Y. Alkylene-bridged 5,6-dihydroxyquinolines. 2,530,831, Nov. 21.

Lott, William A., Maplewood, J. Bernstein, New Brunswick, and M. A. Doiliver, Stelton, N. J., assignors to E. R. Squibb & Sons, New York, N. Y. Pharmaceuticals and preparing them. 2,509,191, May 23.

Lotters, Fred H., Albany, N. Y., assignor to Mohawk Brush Company. Hairbrush with adjustable bristle head. 2,496,010, Jan. 31.

Lotts, Delbert L., Kent, Ohio. Variable-speed transmission. 2,510,749, June 6.

Lotz, Ralph W.: *See*—
Wiltshire, Arthur J., Lotz, and White.

Lotz, Theodore C., Minneapolis, Minn. Canopy letter grapple. 2,523,661, Sept. 26.

Lotzkar, Harry: *See*—
Owens, Harry S., and Lotzkar.

Loubiere, Casimir A., Paris, assignor to Compagnie Normande d'Etudes pour l'Application de Procedes Mecaniques, Bourth, (Eure), France. Rotary internal-combustion engine. 2,511,441, June 13.

Loucke, Claude A., Solano County, Calif., assignor of one-half to A. M. Jongeneel. Seed planter. 2,503,828, Apr. 11.

Loucks, Alton L., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Method and apparatus for applying tapes to cables. 2,494,050, Jan. 10.

Loucks, Alton L., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Valve. 2,501,869, Mar. 28.

Loucks, Claude A., assignee: *See*—
Lea, Henry V.
Schmidt, Lewis W.

Loucks, Claude A., Solano County, Calif., assignor of one-half to A. M. Jongeneel. Seed feeding device. 2,515,351, July 18.

Loucks, Fred B., Jr., Milwaukee, Wis. Snow bike. 2,506,462, May 2.

Loudenback, Clyde I., Ferndale, Mich., and A. C. Riesen, assignors to Dearborn Chemical Company, Chicago, Ill. Apparatus for applying protective coating material to the inside of a pipe or the like. 2,501,779, Mar. 28.

Loudenslager, Oscar W., Akron, Ohio, assignor to the United States of America as represented by the Secretary of Commerce. Cross-wind airplane landing gear. 2,504,077, Apr. 11.

Loughborough, William K., and L. D. Espenas, Madison, Wis., assignors to the United States of America as represented by the Secretary of Agriculture. Method involving the use of chemicals for increasing the drying rate of wood. 2,500,954, Mar. 21.

Loughlin, Bernard D.: *See*—
Curtis, Leslie F., and Loughlin.

Loughlin, Bernard D., Lynbrook, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill. Signal generator. 2,495,938, Jan. 31.

Loughlin, Bernard D., Lynbrook, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill. Frequency-responsive system. 2,513,731, July 4.

Loughren, Arthur V., Great Neck, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. High-frequency pulse generator. 2,511,595, June 13.

Loughren, Arthur V., Great Neck, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill. Centering arrangement for cathode-ray tubes. 2,525,919, Oct. 17.

Loughridge, Matthew H., deceased, Bogota, N. J., by W. R. Lockridge, administrator, Clifton, Mass. Sheet feeding mechanism. 2,511,596, June 13.

Loughridge, Robert F., Fort Worth, Tex. Escalator step tread and guide. 2,535,501, Dec. 26.

Lougovoy, Boris N., Jackson Heights, assignor to American Chicle Company, Long Island City, N. Y. Chewing gum base. 2,519,775, Aug. 22.

Louis, Ben F., assignee: *See*—
Wyatt, Frank A., and Slater.

Louis, Terrence G.: *See*—
Brownlee, Allen L., and Louis.

Louis, Terrence G., assignor to Wico Electric Company, West Springfield, Mass. Centrifugal governor, particularly for varying the timing of ignition. 2,528,698, Nov. 7.

Loukomsky, Anne M., North Plainfield, R. H. Kienle, Bound Brook, and T. F. Cooke, Martinsville, N. J., assignors to American Cyanamid Company, New York, N. Y. Treatment of fibrous cellulosic materials to impart flame resistance thereto, compositions therefor, and products thereof. 2,519,388, Aug. 22.

Loukomsky, Anne M., North Plainfield, R. H. Kienle, Bound Brook, and T. F. Cooke, Martinsville, N. J., assignors to American Cyanamid Company, New York, N. Y. Treating fibrous cellulosic materials to impart flame resistance thereto, compositions therefor, and products thereof. 2,520,103, Aug. 22.

Loung, Pai Y., Glen Cove, N. Y. Flat platen typewriter with longitudinally projected type strip elements. 2,527,016, Oct. 24.

L'Outillage Rotax, assignee: *See*—
Hoëppe, Julien.

Loux, Raymond A., Nashwauk, Minn. Secondary and service rack insulator. 2,517,221, Aug. 1.

Louzos, Demetrios V., assignor, by mesne assignments, to Burgess Battery Company, Freeport, Ill. Primary cell with electrodes of magnesium and magnesium permanganate. 2,535,742, Dec. 26.

Lovaas Enterprises, Inc., assignee: *See*—
Horton, William E.

Love, Cecil D.: *See*—
Shea, Robert P., Jarosch, Dunn, and Love.

Love, Clifford R., Tulsa, Okla. Converting oil operated railway marker lamps to battery operated railway marker lamps. 2,534,042, Dec. 12.

Love, Lawson H., Waskom, Tex. Cross circulation kiln. 2,505,414, Apr. 25.

Love, Louis L., Philadelphia, Pa. Combination comb and hairbrush. 2,532,505, Dec. 5.

Love, Margaret E., Orlando, Fla. Pet bed for vehicles. 2,499,103, Feb. 28.

Love, Richard R., Buhl, Idaho. Steering wheel mounting for farm implements. 2,523,870, Sept. 26.

Lovejoy Products, Inc., assignee: *See*—
Lovejoy, Tyler K.

Lovejoy Tool Company, Inc., assignee: *See*—
Proctor, Don H.

Lovejoy, Tyler K., assignor to Lovejoy Products, Inc., Hastings, Minn. Sandpaper holder and manipulator. 2,519,486, Aug. 22.

Lovelace, Charles D., Bandera, Tex. Fish lure. 2,516,399, July 25.

Loveland, George M., assignee: *See*—
Jones, Taze W., and Loveland.

Loveland, Robert P., Fort Wayne, Ind., assignor to General Electric Company. Power transmission device. 2,512,349, June 20.

Lovell Chemical Company, assignee: *See*—
Lovell, Stanley P., and Straw.

Lovell, Clarence A., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Differential analyzer. 2,519,262, Aug. 15.

Lovell, Gilbert W., assignee: *See*—
Stone, Julian D.

Lovell Manufacturing Company, assignee: *See*—
Shapter, Robert D.

Lovell, Robert, Nutley, N. J., assignor to The Nylok Corporation, New York, N. Y. Coupling. 2,499,104, Feb. 28.

Lovell, Stanley P., Newtonville, Mass. Lasts. 2,521,072, Sept. 5.

Lovell, Stanley P., Newtonville, and H. H. Straw, Arlington, assignors to Lovell Chemical Company, Watertown, Mass. Synthetic wax of carnauba type. 2,523,705, Sept. 26.

Loven, Rudolph W., Philadelphia, Pa. Stay-put adjustable scarf. 2,494,250, Jan. 10.

Lovenheim, Andrew S.: *See*—
Lovenheim, Clifford N. and A. S.

Lovenheim, Clifford N. and A. S., assignors to Rosco Mfg. Co., Rochester, N. Y. Work feeding means for presses. 2,534,780, Dec. 19.

Loverch, Charles L., Brooklyn, assignor to H. Alfandre, New York, N. Y. Machine for perforating a tape, feeding it, and attaching snap fasteners thereto. 2,534,360, Dec. 19.

Lovett, Gordon H., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Producing acrylonitrile. 2,526,676, Oct. 24.

Lovick, John B.: *See*—
Miller, Milton C., Jr., and Lovick.

Loving, Elliott E., Memphis, Tenn. Aircraft safety door. 2,519,386, Aug. 22.

Lovshin, Frank A., Shelton, and W. W. Bayley, Newtown, Conn., assignors to Sidney Blumenthal & Co., Inc., New York, N. Y. Progressive display apparatus for visualizing manufacturing procedures. 2,512,500, June 20.

Low, Richard, assignor to Conmar Products Corporation, Newark, N. J. Mold for slide fasteners. 2,497,951, Feb. 21.

Low, Sidney, Springfield, Mass. Tool. 2,513,881, July 4.

Low Temperature Carbonisation Limited, assignee: *See*—
Cartwright, Jack.

Lowber, David D., Ann Arbor, Mich., and J. D. Reardon, Buffalo, N. Y., assignors to American Optical Company, Southbridge, Mass. Projection microscope. 2,518,240, Aug. 8.

Lowber, David D., Ann Arbor, Mich., and A. J. Kavanagh, Buffalo, N. Y., assignors to American Optical Company, Southbridge, Mass. Image projector for opaque and transparent materials with forced air ventilation systems. 2,520,011, Aug. 22.
Lowber, David D., A. A. Gradisar, and D. I. Critoph, Snyder, N. Y., assignors to American Optical Company, Southbridge, Mass. Slide carrier for supporting lantern slides of varying thicknesses. 2,522,760, Sept. 19.
Lowdermilk, Ford R.: *See*—
Houghton, Augustus A., and Lowdermilk.
Lowe, Arthur: *See*—
Baird, William, Barr, and Lowe.
Baird, William, Barr, Lowe, and Oliver.
Baird, William, Gaubert, and Lowe.
Lowe, Arthur J., West Kilbride, and A. M. U. Caldwell, Renfrew, Scotland, assignors to Imperial Chemical Industries Limited. Electric fuse. 2,506,229, May 2.
Lowe, Arthur S.: *See*—
Wood, Albert E., and Lowe.
Lowe, Donald M.: *See*—
Carpenter, Ralph A., and Lowe.
Lowe, Herbert J., Galesburg, Ill. Cork printer's roller. 2,501,780, Mar. 28.
Lowe, Joe, Corporation, assignee: *See*—
Von Losberg, Lester W., and Friedman.
Lowe, Laurence W., Sr., Memphis, Tenn. Grooved game board and disks for same. 2,494,301, Jan. 10.
Lowe, Sherwin P., G. W. Long, K. W. Downes, and G. H. Kent, Flin Flon, assignors to Hudson Bay Mining and Smelting Co. Limited, Winnipeg, Manitoba, Canada. Electrolytically producing zinc of high purity. 2,529,700, Nov. 14.
Lowe, Theodore M., assignor to E. P. Losiewicz, Detroit, Mich. Pan washing machine. 2,516,223, July 25.
Lowe, Wallace K.: *See*—
Murray, Carl J., and Lowe.
Lowe, Wesley G., and J. E. Jones, assignors to Eastman Kodak Company, Rochester, N. Y. Chemical sensitization of photographic emulsions. 2,518,698, Aug. 15.
Lowe, Wesley G., and C. F. H. Allen, assignors to Eastman Kodak Company, Rochester, N. Y. Chemical sensitization of photographic emulsions. 2,521,925, Sept. 12.
Lowe, Wesley G., and J. E. Jones, assignors to Eastman Kodak Company, Rochester, N. Y. Chemical sensitization of photographic emulsions. 2,521,926, Sept. 12.
Loweke, Erwin F., Jackson, Mich., assignor by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio. Regulator valve. 2,495,338, Jan. 24.
Loweke, Erwin F., Jackson, Mich., assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio. Valve seat. 2,515,656, July 18.
Loweke, Erwin F., Jackson, Mich., assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio. Master cylinder of telescopic construction. 2,533,824. Dec. 12.
Lowell Specialty Company, assignee: *See*—
Fletcher, Lynn.
Winks, John, and Fletcher.
Lowell, Stephen E.: *See*—
Saxton, Stanley L., and Lowell.
Lowen, Herbert: *See*—
Back, Frank G., and Lowen.
Lowen, Irving S.: *See*—
Shamos, Morris H., and Lowen.
Lowenheim, Frederick A., Plainfield, N. J., assignor to Metal & Thermit Corporation, New York, N. Y. Coppertin alloy plating. 2,528,601, Nov. 7.
Lowenthal, Julius, London, and C. W. Moore, Leeds, assignors to Colibri Lighters Limited, London, England. Friction lighter. 2,502,864, Apr. 4.
Lower, Donald E., Lansdale, Pa., assignor of one-half to C. R. Grim, Table Rock; C. R. Grim, executor of said D. E. Lower, deceased, assignor of one-half to H. W. Lower, Butler Township, Pa. Garment bag. 2,502,732, Apr. 4.
Lower, Harry W., assignee: *See*—
Lower, Donald E.
Lower, James H., Fairlawn, N. J., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Splicing thermoplastic monofilaments. 2,514,184, July 4.
Lowndes, Arthur, Toronto, Ontario, Canada. Automatic transmission. 2,500,763. Mar. 14.
Lownsbery, John G., Norfolk, Va. Multispeed attachment for electric motors and the like. 2,517,328, Aug. 1.
Lowry, Charles E.: *See*—
Stanton, George W., and Lowry.
Lowry, Clyde M., Los Angeles, Calif. Head lamp. 2,503,500, Apr. 11.
Lowry, Edwin J., San Francisco, Calif. Garment clamp for ironing boards. 2,496,801, Feb. 7.
Lowry, Erwin F., Lynn, E. L. Mager, Peabody, and G. W. Kellholtz, Lynn, assignors to Sylvania Electric Products, Inc., Salem, Mass. Electrode coating for discharge devices. 2,530,394, Nov. 21.
Lowry, Erwin F., Lynn, and H. H. Homer, Arlington, assignors to Sylvania Electric Products Inc., Salem, Mass. Preparing electron-emissive coating materials. 2,531,339, Nov. 21.
Lowry, Glenn W., Osborn, Ohio. Tire iron with antifriction bearings. 2,508,069, May 16.
Lowry, Glenn W., Osborn, Ohio. Draft bar rigging for railway cars. 2,533,825, Dec. 12.
Lowry, Jesse R., Des Moines, Iowa. Pulsator apparatus for milking machines. 2,516,328, July 25.
Lowry, Robert D., and H. L. Schaefer, assignors to The Dow Chemical Company, Midland, Mich. Dimensionally stabilizing oriented vinylidene chloride polymer film. 2,517,581, Aug. 8.
Lowther, Alexander C., Alexendria, La. Filing and indexing system for phonograph records. 2,535,688, Dec. 26.
Loxham, John, assignor to The Sigma Instrument Company Limited, Letchworth, England. Linear-dimension gauge or comparator. 2,507,727, May 16.
Loy, John W., Woods Cross, Utah, assignor to Phillips Petroleum Company. Method and apparatus for liquid phase hydrocarbon conversion. 2,517,900, Aug. 8.
Lu, Hoshen R.: *See*—
Pappas, Costas E., and Lu.
Luaces, Enrique L.: *See*—
Crosby, Melvin A., Luaces.
Luaces, Enrique L., Oakwood, Ohio, assignor to New Wrinkle, Inc., Wilmington, Del. Dextran base wrinkle drying compositions. 2,503,622, Apr. 11.
Luaces, Enrique L., Oakwood, Ohio, assignor to New Wrinkle Inc., Wilmington, Del. Dextran base wrinkle drying compositions. 2,503,623, Apr. 11.
Luaces, Enrique L., Oakwood, Ohio, assignor to New Wrinkle Inc., Wilmington, Del. Dextran base wrinkle drying compositions. 2,503,624, Apr. 11.
Lubahn, Jack D., Schenectady, N. Y., assignor to General Electric Company. Tensile testing apparatus. 2,534,980, Dec. 19.
Lubbert, Carl B., Anneslie, and M. W. Sears, Catonsville, Md., assignors to Western Electric Company, Incorporated, New York, N. Y. Workholding device. 2,524,267, Oct. 3.
Lubenow, Lewis W., Watertown, Conn. Tumbling mechanism. 2,509,041, May 23.
Luber-Finer Incorporated, assignee: *See*—
Russell, John K.
Luberoff, Louis, Jenkintown, Pa. Piano construction for sound amplification. 2,530,251, Nov. 14.
Luberoff, Louis, Jenkintown, Pa. Musical instrument. 2,530,252, Nov. 14.
Lubin, George, New York, N. Y. Thermal distortion measuring machine. 2,495,746, Jan. 31.
Lubins, Ross G., St. Paul, Minn. Shovel with auxiliary handle. 2,531,227, Nov. 21.
Luboshez, Benjamin E., assignor to Eastman Kodak Company, Rochester, N. Y. Film processing machine with film operated control means for a fluid applicator. 2,496,947, Feb. 7.
Lubow, Morris, Long Beach, assignor to Wolf X-Ray Products, Inc., New York, N. Y. X-ray protective apron 2,494,664, Jan. 17.
Lubrizol Corporation, The, assignee: *See*—
Craig, Willis G.
Lubs, Herbert A., Wilmington, Del., W. V. Wirth, Woodstown, L. Spiegler, Woodbury, and J. A. Bridgman, Salem, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of sulfoaryl-amides of aromatic carboxylic acids. 2,497,130, Feb. 14.
Lubs, Herbert A., Wilmington, Del., W. V. Wirth, Woodstown, J. A. Bridgman, Salem, and L. Spiegler, Woodbury, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of sulfoaryl-amides of aromatic carboxylic acids. 2,497,131, Feb. 14.
Lubszynski, Hans G., Northwood, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Electron discharge device such as a television transmitting tube. 2,518,434, Aug. 8.
Lucas, Andrew J., Springfield, Mass. Safety device for elevators. 2,518,699, Aug. 15.
Lucas, Andrew J., Springfield, Mass. Safety device for elevators. 2,518,700, Aug. 15.
Lucas County Bank, The, assignee: *See*—
Bankey, Ivan E.
Lucas, Emil A.: *See*—
Tisdale, Norman F., and Lucas.
Lucas, Ernest H., and J. J. Shea, Worcester, Mass. Welding flux. 2,505,291, Apr. 25.
Lucas, Glennard R.: *See*—
Fiedler, Edmond F., and Lucas.
Lucas, Jack E.: *See*—
Oppenheimer, Everett W., and Lucas.
Lucas, Joseph, Limited, assignee: *See*—
Clarke, John S.
Clarke, John S. and A. E., and Coupe.
Healey, Donald M.
Huyton, Alfred.
Ifield, Richard J.
Ifield, Richard J., and Righton.
Laird, John A.
Swift, William.
Swift, William, and Goodman.
Watson, Ernest A., and Ifield.
Lucas, Joseph E., assignor of thirteen-twentieths to R. T. Wells and one-twentieth to J. S. T. McDowell, Longview, Tex. Motor vehicle antiwear and antirattle joint. 2,510,406, June 6.
Lucas, Joseph W., Westmount, Quebec, Canada. Auxiliary fuel pan for stoves and the like. 2,519,263, Aug. 15.
Lucas, Junious G., Madrid, Iowa. Sediment test gun. 2,515,522, July 18.

Lucas, Philip: *See*—
Kwartler, Charles E., and Lucas.

Lucas, Philip, Middlesex County, Mass., assignor to Sterling Drug Inc., New York, N. Y. Bis (tertiary-aminoalkyl) arylacetonitriles and the corresponding acids and esters. 2,510,784, June 6.

Lucas, Stockwell S., Poughkeepsie, N. Y. Timetable and the like. 2,500,001, Mar. 7.

Lucas, Wilbert, Detroit, Mich. Foot corrective appliance. 2,518,033, Aug. 8.

Luce, Edward M.: *See*—
McCallum, Robert A., and Luce.

Luce, George E., Fort Valley, Ga. Tube bending machine. 2,510,183, June 6.

Luce, Richard W., Southport, Conn. Lock nut. 2,529,093, Nov. 7.

Lucero, Juan D., Mendoza, Argentina. Projectile return target. 2,504,030, Apr. 11.

Lucero, Juan D., Mendoza, Argentina. Doll projectile. 2,525,228. Oct. 10.

Luchansky, Andrew J., Bridgeport, Conn. Contractible core and winding drum. 2,499,869, Mar. 7.

Lucia, Carroll J., assignor to Packard Motor Car Company, Detroit, Mich. Supercharger driving mechanism. 2,505,713, Apr. 25.

Lucia, Louis V.: *See*—
Reichold, Ludwig, and Lucia.

Lucien, René: *See*—
Levy, René L.

Lucius, George P., Drew, assignor of one-fourth to J. A. Clark, one-fourth to V. R. Burnham, and one-fourth to H. L. Herring, Ruleville, Miss. Cotton picker. 2,512,109, June 20.

Luck, David G. C., Princeton, N. J., assignors to Radio Corporation of America. Radio bomb release system. 2,518,916, Aug. 15.

Luck, David G. C., Princeton, N. J., assignor to Radio Corporation of America. Amplitude limiter circuits. 2,519,057, Aug. 15.

Luck, David G. C., Princeton, N. J., assignor to Radio Corporation of America. Antenna system. 2,532,176, Nov. 28.

Luck, Robert J., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric generating system. 2,494,397, Jan. 10.

Lucke, Charles E., New York, N. Y., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Expansion joint for heat exchangers. 2,512,748, June 27.

Luckenbach, Richard B., Secane, Pa. Contouring machine. 2,517,901, Aug. 8.

Lucker, Millard B., assignor to Auto Specialties Manufacturing Company, St. Joseph, Mich. Lifting jack. 2,528,011, Oct. 31.

Luckow, Joseph, New York, N. Y. Hat blocking apparatus. 2,520,319, Aug. 29.

Luczek, Walter: *See*—
Lyon, Norman W., and Luczek.

Ludeman, Edwin H., Brooklyn, N. Y. Computing sight. 2,520,943, Sept. 5.

Ludeman, John F., Short Hills, N. J. Shaping attachment for metalworking lathes. 2,516,224, July 25.

Lüdi, Fritz, Baden, assignor to "Patelhold" Patentverwertungs-& Elektro-Holding A. G., Glarus, Switzerland. Electron tube. 2,508,280, May 16.

Lüdi, Fritz, Zurich, assignor to "Patelhold" Patentverwertungs- & Elektro-Holding A.-G., Glarus, Switzerland. Magnetron. 2,522,184, Sept. 12.

Ludlam, James E., Westbrook, Conn. Spring arch support for shoes. 2,512,350, June 20.

Ludlow Valve Manufacturing Co., Inc., The, assignee: *See*—
Thompson, Alfred W., and Weinberg.

Ludman, Charles P., Springfield, and C. F. Hancock, Primos, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Evaporator apparatus. 2,504,710, Apr. 18.

Ludwick, William L., Mount Carmel, assignor to The Peck, Stow & Wilcox Company, Southington, Conn. Scratch awl or the like. 2,505,332, Apr. 25.

Ludwig, Anthony, Arlington, Va. Cabinet and drawer. 2,517,329, Aug. 1.

Ludwig, Anthony, Washington, D. C. Photographic developing machine. 2,518,034, Aug. 8.

Ludwig, Anthony, Washington, D. C. Autofocusing enlarger. 2,529,507, Nov. 14.

Ludwig, Arthur, Rockville Centre, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Trainer for enabling the giving of radio instruction. 2,516,780, July 25.

Ludwig, Carl L., Los Angeles, Calif. Soldering iron. 2,519,972, Aug. 22.

Ludwig, John E., Sr., assignor to David-Ludwig Company, Detroit, Mich. Heating apparatus. 2,508,792, May 23.

Ludwig, Leon R.: *See*—
Baker, Benjamin P., Ludwig, and Cumming.

Ludwig, Leon R., Wilkinsburg, W. H. Stuellein, East McKeesport, and G. D. Gamel, Verona, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Retarded latch trip circuit breaker. 2,504,855, Apr. 18.

Ludwig, Leon R., Wilkinsburg, and B. P. Baker, Turtle Creek, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Gas blast circuit breaker. 2,507,210, May 9.

Ludwig, Leon R., Wilkinsburg, B. P. Baker, Turtle Creek, and W. M. Leeds, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,525,494, Oct. 10.

Ludwig, Leon R., and W. H. Formhals, Buffalo, N. Y., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Shrunk rotor for squirrel-cage motors. 2,528,154, Oct. 31.

Ludwig, Leon R., Wilkinsburg, and B. P. Baker, Turtle Creek, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,534,920, Dec. 19.

Ludwig, Louis, Brooklyn, N. Y. Fuse. 2,506,304, May 2.

Ludwig, Louis, Brooklyn, N. Y. Fixture for fluorescent lamps. 2,534,361, Dec. 19.

Ludwig, Louis, New York, N. Y. Iron plug. 2,502,385, Mar. 28.

Ludwig, Louis, New York, N. Y. Electric attachment plug. 2,519,584, Aug. 22.

Ludwig, Louis, New York, N. Y. Electric plug. 2,521,298, Sept. 5.

Ludwig, Nicholas M., Racine, Wis. Miter box. 2,518,801, Aug. 15.

Ludwig, Norman C., Chicago, Ill., assignor to Universal Atlas Cement Company. Cement for lightweight concrete and making. 2,521,073, Sept. 5.

Ludwig, Walter, assignor to L. A. Young Spring & Wire Corporation, Detroit, Mich. Garment hanger. 2,503,829, Apr. 11.

Ludwig, Walter, assignor to L. A. Young Spring and Wire Corporation, Detroit, Mich. Garment hanger. 2,505,127, Apr. 25.

Ludwig, William F., Chicago, Ill. Kettle drum and timpany therefor. 2,502,733, Apr. 4.

Ludwig, William F., Chicago, Ill. Adjustable supporting leg structure for drums and other articles. 2,517,125, Aug. 1.

Ludwig, William F., and F. F. Kiemle, Chicago, Ill. Snare structure for drums. 2,517,124, Aug. 1.

Luebkeman, George C., Cincinnati, Ohio. Molding process and means. 2,517,902, Aug. 8.

Luehrs, Hans J., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Driving unit. 2,494,443, Jan. 10.

Luehrs, Hans J., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Offset printing. 2,499,870, Mar. 7.

Luehrs, Hans J., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Offset printing. 2,499,871, Mar. 7.

Luehrs, Hans J., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Ink fountain for rotary printing presses. 2,525,363, Oct. 10.

Luenberger, Frederick O., assignor to U. S. Electrical Motors, Inc., Los Angeles, Calif. Stop device for preventing reverse drive. 2,518,701, Aug. 15.

Luers, John M., Patents Incorporated, assignee: *See*—
Girardin, Howard N.

Luertzing, Walter O., assignor to Lurex Manufacturing Company, Vineland, N. J. Chemical apparatus. 2,498,216, Feb. 21.

Luertzing, Walter O., assignor to Lurex Manufacturing Company, Vineland, N. J. Adapter plug for chemical vessels. 2,535,856, Dec. 26.

Lufkin Rule Co., The, assignee: *See*—
Witchger, Eugene J.

Luft, Harry C., Spokane, Wash. Ammunition shell. 2,526,146, Oct. 17.

Luger, Joseph A., Chicago, Ill. Making and removing surgical casts. 2,523,837, Sept. 26.

Lugt, Gerard J., Amsterdam, Netherlands, assignor to Werkspoor N. V. Single-acting two-stroke cycle internal-combustion engine. 2,516,708, July 25.

Luhdorff, Frederick H., San Jose, and A. R. Thompson, Los Gatos, Calif., assignors to Food Machinery and Chemical Corporation. Fruit handling machine. 2,502,797, Apr. 4.

Luhn, Hans P., Armonk, assignor to International Business Machines Corporation, New York, N. Y. Decimal accumulator for direct entry of combination code amounts. 2,521,382, Sept. 5.

Luhrmann, George W., Cedar Brook, N. J. Machine for preparing fibrous material for pneumatic conveyance and discharge. 2,517,903, Aug. 8.

Luitjens, Alvin H., San Diego, and J. S. Stoner, El Cajon, Calif. Display sign. 2,504,556, Apr. 18.

Lukacs, Joseph: *See*—
Burelbach, Frederick M., and Lukacs.
Horn, William D., and Lukacs.

Lukacs, Joseph J., New Rochelle, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Power-plant simulating device for grounded aircraft pilot trainers. 2,494,479, Jan. 10.

Lukacs, Joseph J., New Rochelle, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Engine manifold pressure simulating apparatus for air craft ground trainers. 2,499,597, Mar. 7.

Lukacs, Joseph J., New Rochelle, N. Y., and W. B. Strickler, East Orange, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Trainer for aircraft personnel. 2,533,484, Dec. 12.

Lukancic, Louis, Joliet, Ill. Nail and tack making apparatus. 2,505,415, Apr. 25.

Lukas, Leonard J., and T. D. Fine, St. Paul, Minn. Separable slide fastener. 2,511,926, June 20.

Lukasiewicz, Sigmund J.: *See*—
Hartough, Howard D., and Lukasiewicz.
Lukasiewicz, Sigmund J., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Making thiophenethiol. 2,515,242, July 18.
Lukasiewicz, Sigmund J., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. 3,4-thiolanedithione. 2,515,927, July 18.
Lukasiewicz, Sigmund J., and W. I. Denton, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Sulfur-containing liquids. 2,515,928, July 18.
Luke, Clare, Berrien Springs, Mich., assignor to National-Standard Company. Electroplating fine wire of low elastic limit. 2,497,894, Feb. 21.
Luke, Mutang, assignor of one-half to Kokchong Lew, New York, N. Y. Apparatus for and method of folding collars. 2,504,934, Apr. 18.
Luke, Ralph: *See*—
Felton, Ray N., and Luke.
Lukes, Adolph F., Waterloo, Iowa. Exhaust valve for internal-combustion engines. 2,508,615, May 23.
Lukes, Edward J.: *See*—
Cannon, Earl, and Lukes.
Lukes, Robert V., assignor to Corning Glass Works, Corning, N. Y. Graded glass seal. 2,522,523, Sept. 19.
Lukes, Robert V., assignor to Corning Glass Works, Corning, N. Y. Making sealing glasses. 2,522,524, Sept. 19.
Luketa, Frank J., Seattle, Wash. Reclining chair. 2,514,655, July 11.
Luketa, Frank J., Seattle, Wash. Lounge chair. 2,526,248, Oct. 17.
Luketa, Frank J., Seattle, Wash. Reclining chair. 2,533,595, Dec. 12.
Lulek, Ralph N.: *See*—
Stilmar, Frederic B., Struve, and Lulek.
Lull, Le Grand H., Minneapolis, Minn. Tractor mounted vehicle loader. 2,517,582, Aug. 8.
Lum, John C., East Orange, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Composition and process for treating metal surfaces. 2,516,008, July 18.
Lum, Walter O., Livingston, N. J., assignor to General Electric Company. Condition responsive reversing valve mechanism. 2,495,227, Jan. 24.
Lum, Walter O., Livingston, N. J., assignor to General Electric Company. Inverse automatic flow regulating valve system. 2,495,272, Jan. 24.
Lumalampan Aktiebolag, assignee: *See*—
Björklund, Tore S.
Cronert, Rickard F.
Ohlund, Selfrid G.
Lumb, Charles F., Kingston Hill, and F. G. W. Spears, Potters Bar, England. Boiler tube cleaning blower. 2,519,674, Aug. 22.
Lumbard, Henry G., Auburn, Maine. Cushion insole. 2,534,462, Dec. 19.
Lumenite Electronic Company, assignee: *See*—
Calabrese, George V.
Lumian, Barrett, Brookline, Mass. Saliva ejector. 2,504,557, Apr. 18.
Luminous Processes, Inc., assignee: *See*—
Fordyce, Rufus G.
Lumley, Maurice C., assignor to The F. H. Lawson Company, Cincinnati, Ohio. Metal wall cabinet. 2,511,277, June 13.
Lummus Company, The, assignee: *See*—
Brunjes, Austin S.
Brunjes, Austin S., and Bogart.
Collins, Raymond R.
Collins, Raymond R., and Kraft.
Davis, Hyman R., and Kraus.
Fulton, David.
Kelley, John W.
Kelley, John W., and Davis.
Kniel, Ludwig.
Kraft, Wheaton W.
Reed, Carl S.
Reed, Carl S., and Schauble.
Reed, Carl S., and Schutte.
Riemenschneider, Ralph H.
Schutte, August H.
Schutte, August H., and O'Connor.
Williamson, Thomas C.
Worn, George A.
Worn, George A., and Brockel.
Lummus Cotton Gin Company, assignee: *See*—
Buckmaster, Samuel A.
Vandergriff, Arvel L.
Luna, Jose L., Houston, Tex. Presser foot for sewing machines. 2,534,281, Dec. 19.
Lunas, Lawrence J.: *See*—
Young, Douglass A., and Lunas.
Lunas, Lawrence J., Cedar Grove, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Moving coil measuring instrument. 2,508,410, May 23.
Lunbeck, George D., Napa, Calif. Bed. 2,503,675, Apr. 11.
Lund, Alvin O., East Orange, N. J., and C. A. Dana, Wheatridge, Colo., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Motor control system. 2,508,179, May 16.
Lund, Arthur D.: *See*—
Castner, George P., and Lund.
Lund, Arthur D., Minneapolis, Minn., assignor to Solar Corporation, Milwaukee, Wis. Clothes washing machine with chambered reciprocating washer unit receiving clothes through restricted passageway. 2,500,368, Mar. 14.
Lund, Arthur D., Minneapolis, Minn., assignor to Solar Corporation, Milwaukee, Wis. Metal casting mold. 2,508,865, May 23.
Lund, Arthur D., Minneapolis, Minn., assignor to Solar Corporation, Milwaukee, Wis. Storage battery plate and separator assembling machine. 2,523,910, Sept. 26.
Lund, Eiler C., Kenmore, N. Y. Diathermy condenser electrode. 2,502,865, Apr. 4.
Lund, James K.: *See*—
Bauerlein, Carl C., and Lund.
Lund, James K., Oak Park, assignor to The Dole Valve Company, Chicago, Ill. Air valve for steam heating systems. 2,516,225, July 25.
Lund, James K., Oak Park, assignor to The Dole Valve Company, Chicago, Ill. Steam heating apparatus and method. 2,516,226, July 25.
Lunda, Orris H., Salem, Oreg. Valve tool. 2,517,583, Aug. 8.
Lundahl, Carl: *See*—
Lundahl, Sven and C.
Lundahl, Carl A., Waukegan, Ill. Tray attachment for adding machines, typewriters, and the like. 2,535,743, Dec. 26.
Lundahl, Sven, and C. Lundahl, Malmo, assignors to Allmänna Svenska Elektriska Aktiebolaget, Västerås, Sweden. Automatic arc welding machine. 2,504,711, Apr. 18.
Lundberg Explorations Limited, assignee: *See*—
Zuschlag, Theodore.
Lundberg, Frank J.: *See*—
De Rosa, Louis A., and Lundberg.
Lundberg, George T.: *See*—
Burks, George E., Bridwell, Lundberg, and Sieving.
Lundberg, Harry E., Brooklyn, N. Y., assignor to The Dorr Company, Stamford, Conn. Liquid-permeable tank bottom for beds of granular material. 2,528,065, Oct. 31.
Lundberg, Jacob O., Stockholm, Sweden. Dispensing container. 2,511,442, June 13.
Lundberg, John E., Marblehead, and R. G. Ballard, Saugus, Mass., assignors to General Electric Company. Deviation compensator. 2,519,058, Aug. 15.
Lundberg, Walter O., Austin, assignor to Regents of the University of Minnesota, Minneapolis, Minn. Antioxidant. 2,523,127, Sept. 19.
Lundburg, Frank J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Antenna. 2,495,747, Jan. 31.
Lundeen, John A., Pequot Lakes, Minn. Selective measuring dispenser drawer type. 2,527,749, Oct. 31.
Lundell, Harry, Chicago, Ill. Clothes-washing machine. 2,514,712, July 11.
Lundell, Vernon, Meriden, Iowa. Trailer dump. 2,496,350, Feb. 7.
Lundell, Vernon, Meriden, Iowa. Trailer dump body. 2,507,169, May 9.
Lundgren, Eric H.: *See*—
Lundgren, Harry G. and E. H.
Lundgren, Harold P.: *See*—
Jones, Harrison W., and Lundgren.
Lundgren, Harry G. and E. H., Oakland, Calif. Time announcing phonograph. 2,520,284, Aug. 29.
Lundgren, Helene A., St. Albans, N. Y. Removable type assembly for typewriters. 2,503,162, Apr. 4.
Lundgren, William: *See*—
Kulczycki, Karol, and Lundgren.
Lundgren, William E.: *See*—
Zabriskie, Arthur E., and Lundgren.
Lundgren, William E., Sharon, Mass., assignor to The Peck, Stow & Wilcox Company, Southington, Conn. Counterbalance for slip roll formers. 2,495,068, Jan. 17.
Lundgren, William E., Sharon, Mass., assignor to The M. W. Kellogg Company, Jersey City, N. J. Jack stick connector. 2,522,625, Sept. 19.
Lundin, Sven A. E.: *See*—
Lydfors, John, and Lundin.
Lundin, Sven A. E., assignor to Aktiebolaget Addo, Malmö, Sweden. Reversible drive for revolutions counter. 2,498,130, Feb. 21.
Lundius, Alton H., East Orange, N. J., assignor to General Motors Corporation, Detroit, Mich. Centerless grinding of elongated rollers that are curved lengthwise. 2,493,302, Jan. 3.
Lundkvist, Karl E., assignor to Telefonaktiebolaget L M Ericsson, Stockholm, Sweden. Multiexchange telephone system. 2,493,256, Jan. 3.
Lundquist, Axel R., Norrkoping, Sweden. Cutting or cleaving of slabs. 2,510,705, June 6.
Lundquist, Gust, Forest Lake, Minn. Combination garbage can and rodent trap. 2,501,282, Mar. 21.
Lundquist, Hendrik W., Tujunga, Calif. Floor machine. 2,508,411, May 23.
Lundquist, Wilton G., Hohokus, and E. H. Olson, Preakness, N. J., and K. A. Browne, Lakewood, Ohio, assignors to Wright Aeronautical Corporation. Induction system drain. 2,502,968, Apr. 4.

Lundsted, Lester G.: *See*—
Jacobs, Edward C., and Lundsted.

Lundstrom, Oscar, Hempstead, N. Y., assignor to The Sperry Corporation. Ultra high frequency power detecting unit. 2,522,525, Sept. 19.

Lundstrom, Oscar, Hempstead, N. Y., assignor to The Sperry Corporation. Ultra high frequency coupler. 2,532,317, Dec. 5.

Lundy, Beverly A., New York, assignor to General Railway Signal Company, Rochester, N. Y. Switch circuit controlling device for railroads. 2,516,400, July 25.

Lundy, Clarence C., Bayonne, N. J., assignor to The Sperry Corporation. Modulated ultra high frequency signal generator. 2,494,568, Jan. 17.

Lundy, David A., River Forest, Ill. Ventilated ironing shoe. 2,507,029. May 9.

Lundy, Henry A.: *See*—
Haley, Clifford, and Lundy.

Luneke, Louis C., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,518,344, Aug. 8.

Lunsford, Joseph C., assignor to H. C. Rhodes, Portland, Oreg. Doughnut glazing machine. 2,525,306, Oct. 10.

Lunt, Raymond L., Valencia, Pa. Apparatus for the separation of acid and metal. 2,509,689, May 30.

Luparr, Inc., assignee: *See*—
Parr, Louis F.

Luplow, Ronald C., Phoenix, Ariz. Palm tree trimmer. 2,504,856, Apr. 18.

Lupo, Joseph, Mount Vernon, N. Y. Abrasive carrier for processing articles. 2,534,282, Dec. 19.

Luray, Howard L., Brooklyn, N. Y. Transparency viewer. 2,513,576, July 4.

Lurcott, Winfred N., Elizabeth, N. J., assignor to L. J. Wing Manufacturing Co., New York, N. Y. Apparatus for shaping fan blades. 2,522,683, Sept. 19.

Lureau, Bertrand J., Dravosburg, Pa. Safety ash tray. 2,501,066, Mar. 21.

Lurex Manufacturing Company, assignee: *See*—
Luertzing, Walter O.

Lurie, Eli M., Laurelton, N. Y. Volume control arrangement. 2,525,696, Oct. 10.

Lurie, Eli M., Laurelton, N. Y. Alarm system for hotels and the like. 2,525,697, Oct. 10.

Lurtz, Carl, Brooklyn, N. Y. Antipick keylock mechanism. 2,528,964, Nov. 7.

Luscombe Engineering Company, Inc., assignee: *See*—
Miller, Everett.

Lusebrink, Walter D., Detroit, Mich. Rearview mirror with image projecting periscopical facilities. 2,501,067, Mar. 21.

Lush, Clifford K., Minneapolis, Minn. Slidably and tiltably adjustable bench dog. 2,498,892. Feb. 28

Lush, Ernest J. W., London, assignor to A. Boake Roberts and Company, Limited, London, England. Production of hydrogenation derivatives of dypnone. 2,504,558, Apr. 18.

Lushbaugh, Roe E.: *See*—
Brown, Walter R., Lushbaugh, and Cull.

Lushbaugh, Roy E., New Albany, Ind. Ridge plate. 2,516,894, Aug. 1.

Lusk, Eldon H., Sharon, Mass., assignor to Westinghouse Electric Corporation. Ventilating apparatus. 2,495,376, Jan. 24.

Lust, Valtin H., Sloatsburg, N. Y. Ball point pen. 2,502,866, Apr. 4.

Lustenberger, Frederick E., New York, and G. Cardinal, Brooklyn, N. Y. Reamer adapter. 2,516,709, July 25.

Luster, Norman L., Chicago, Ill. Gas and liquid mixing device and level control means therefor. 2,507,987, May 16.

Lustig, Hans G.: *See*—
Roughsedge, Robert H., and Lustig.

Lustrafil Limited, assignee: *See*—
Barker, Sydney W.

Lustrik, Frank, Cleveland, Ohio. Gauging instrument for setting cutting tools. 2,533,024, Dec. 5.

Luten, Daniel B., Jr., Berkeley, K. W. Hedberg, Pasadena, and A. De Benedictis, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Separation of dienes. 2,508,922, May 23.

Luten, Daniel B., Jr., Berkeley, and G. M. Good, Albany, assignors to Shell Development Company, San Francisco, Calif. Dealkylation of alkylphenols. 2,514,960, July 11.

Luten, Daniel B., Jr., and A. De Benedictis, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Purification of secondary lower alkyl amines. 2,527,017, Oct. 24.

Luterick, Marcellus C., Montrose, assignor, by mesne assignments, to Diced Cream of America Co., Los Angeles, Calif. Ice cream softener. 2,516,895, Aug. 1.

Lutes, Keene, Lexington, Ky. Chair construction. 2,530,474, Nov. 21.

Luther, Max J., Jr., Corpus Christi, Tex. Mobile ship-to-pier gangway structure. 2,524,454, Oct. 3.

Luther, William F., assignor to Dixie Mercerizing Company, Chattanooga, Tenn. Mercerization. 2,512,951, June 27.

Lüthi, Robert, Biel, assignor to Elbric S. A., Lausanne, Switzerland. Electrical cigar or cigarette lighter. 2,525,040, Oct. 10.

Lütolf, Theo K., Zurich, Switzerland. Bearing arrangement for rotatably supported shell-shaped bodies. 2,493,886, Jan. 10.

Luton, Dempsey A., assignor of one-half to E. M. Johnson, Jackson, Wyo. Fishing reel. 2,493,766, Jan. 10.

Luton, Dempsey A., and K. M. Johnson, Jackson, Wyo. Fishing reel. 2,494,952, Jan. 17.

Luttermoser, Norman J.: *See*—
Newman, Allen F., and Luttermoser.

Luttgen, William H.: *See*—
Woolslayer, Homer J., Jenkins, and Luttgen.

Luttman, Horace C., Etobicoke Township, York County, assignor to A. V. Roe Canada Limited, Malton, Ontario, Canada. Drain wick for pressurized compartments. 2,525,307, Oct. 10.

Luttmer, Willem, assignor to Wipac Development Limited, Bletchley, England. Ignition system for internal-combustion engines. 2,498,860, Feb. 28.

Lutts, Carlton G., Salem, J. P. Hickey, Mattapan, and M. Bock, II, Boston, Mass. Making sound metal castings. 2,495,273, Jan. 24.

Lutz, Arthur S., Kansas City, Kans., and H. J. Lutz, Kansas City, Mo. Artificial fish bait. 2,501,499, Mar. 21.

Lutz, Charles V., Hollywood, Calif. Smoker's accessory. 2,503,501, Apr. 11.

Lutz, Donald C., Los Angeles, Calif. Sanitary butter cutter. 2,499,660, Mar. 7.

Lutz, Edward H., Norwood, Pa., assignor, by mesne assignments, to General Motors Corporation. Ice tray. 2,515,457, July 18.

Lutz, Ernest P.: *See*—
Gilmore, Emmett J., and E. P. and Z. Lutz.

Lutz, Harold J.: *See*—
Lutz, Arthur S. and H. J.

Lutz, Joseph P.: *See*—
Franzén-Lutz, Britta, and Lutz.

Lutz, Raymond P., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Insulation composition for electrical devices. 2,496,948, Feb. 7.

Lutz, Robert E., Charlottesville, Va., J. B. Koepfli, San Marino, and E. R. Buchman, Pasadena, Calif., assignors to the United States of America as represented by the Secretary of War. Quinoline derivatives having antimalarial properties. 2,502,264, Mar. 28.

Lutz, Willard C., Lancaster, Pa. Crane for erecting silos. 2,493,887, Jan. 10.

Lutz, Willard C., Lancaster, Pa. Clutch pulley. 2,499,224, Feb. 28.

Lutz, Zolten: *See*—
Gilmore, Emmett J., and E. P. and Z. Lutz.

Luwa A.-G., assignee: *See*—
Carrette, Maurice.

Lux, Eugene J., New York, N. Y. Suspension hook. 2,497,615, Feb. 14.

Luxon, Lester L.: *See*—
Smith, Harold W., and Luxon.

Luz, Christian, assignor to E. Leitz, G. m. b. H., Wetzlar, Germany. Device for replacing a camera housing by a focusing screen housing. 2,511,355, June 13.

Luzena, Verl E.: *See*—
Jennings, Alfred J., and Luzena.

Luzzi, James, Greenwich, Conn. Cutting implement. 2,527,018, Oct. 24.

Lybarger, Samuel F., Cannonsburg, assignor to E. A. Myers & Sons, Mt. Lebanon, Pa. Noise reducing hearing aid case. 2,524,393, Oct. 3.

Lybarger, Samuel F., Canonsburg, assignor to E. A. Myers & Sons, Mount Lebanon, Pa. Wearable hearing aid with inductive pick-up for telephone reception. 2,530,621, Nov. 21.

Lydfors, John, and S. A. E. Lundin, assignors to Aktiebolaget Addo, Malmo, Sweden. Sectionalized zero setting means. 2,521,799, Sept. 12.

Lyeth, John M., Richardson, New York, N. Y. Slide fastener slider. 2,532,367, Dec. 5.

Lykken, Henry G., Minneapolis, Minn. Apparatus for smelting low-grade ores. 2,500,553, Mar. 14.

Lykken, Henry G., Minneapolis, Minn. Ore conditioning and reduction process. 2,503,555, Apr. 11.

Lykken, Henry G., Minneapolis, Minn. Apparatus for making endless V-belts. 2,529,301, Nov. 7.

Lykken, Henry G. and W. H., Minneapolis, Minn. Vortical classifying machine. 2,497,088, Feb. 14.

Lykken, William H.: *See*—
Lykken, Henry G. and W. H.

Lyle, Aaron K., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Glass composition. 2,508,070, May 16.

Lyle, Aaron K., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Apparatus for and method of charging batch to glass furnaces. 2,533,826, Dec. 12.

Lyle, Edward L., Maryville, Tenn., assignor to Aluminum Company of America, Pittsburgh, Pa. Strip handling mechanism. 2,522,953, Sept. 19.

Lyle, James E., Canton, Ill., assignor to International Harvester Company. Colter mounting. 2,496,481, Feb. 7.

Lyle, Ronald G., Seattle, Wash. Combination sheath and nail file. 2,511,278, June 13.

Lyle, William S., San Francisco, Calif. Sewing-machine needle threader. 2,494,444, Jan. 10.

Lyles, George D., Tullahoma, Tenn. Emergency carrier for railroad truck axles. 2,522,626, Sept. 19.
Lyles, L S: *See*—
Miller, Charles D.
Lyman, Ernest M., Watertown, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Wave guide attenuator for amplitude modulation of radio waves. 2,505,557, Apr. 25.
Lyman, John F.: *See*—
Bennett, Bailey, and McFadden, and Lyman.
Lyman, Joseph, Huntington, N. Y., assignor to The Sperry Corporation. Angular velocity responsive apparatus. 2,513,340, July 4.
Lyman, Kenneth E., Lake Forest, assignor to Tucker Corporation, Chicago, Ill. Quick disconnector for electrical systems. 2,496,732, Feb. 7.
Lyman, Kenneth E., assignor to Tucker Corporation, Chicago, Ill. Collapsible vehicle steering column assembly. 2,511,165, June 13.
Lyman, Kenneth E., Lake Forest, asignor to Tucker Corporation, Chicago, Ill. Automobile dome light. 2,534,921, Dec. 19.
Lyman, Kenneth E., Lake Forest, assignor to Tucker Corporation, Chicago, Ill. Combination steering column support and instrument panel. 2,535,744, Dec. 26.
Lyman, Wallace R., Chicopee Falls, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Oil burner apparatus, including an automatic delay action fuel valve. 2,494,714, Jan. 17.
Lynch Automatic Products Co., assignee: *See*—
Lynch, Henry J., and Bystrom.
Lynch, Charles S.: *See*—
Corner, Eugene S., McGee, and Lynch.
Lynch Corporation, assignee: *See*—
Happel, Albert W.
Lynch, Henry J., and M. G. Bystrom, assignors to Lynch Automatic Products Co., Minneapolis, Minn. Swivel joint. 2,503,281, Apr. 11.
Lynch, John J., Metuchen, N. J. Spring-hinged two-part receptacle. 2,531,066, Nov. 21.
Lynch, Joseph R., Boston, Mass. Safety razor for single edge blades. 2,531,736, Nov. 28.
Lynch, Kathryn L., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Sulfosuccinate esters of 4-alkylphenoxyethanols. 2,507,030, May 9.
Lynch Package Machinery Corporation, assignee: *See*—
Sandberg, Oscar.
Lyne, Joe A., Houston, Tex., assignor to The Parkersburg Rig & Reel Company, Parkersburg, W. Va. Oil emulsion treater. 2,521,859, Sept. 12.
Lynes, Inc., assignee: *See*—
Lynes, John.
Lynes, Incorporated, assignee: *See*—
Lynes, John, and Armitage.
Lynes, John, Houston, Tex., assignor to Lynes, Inc. Formation testing tool. 2,516,580, July 25.
Lynes, John, and J. A. Armitage, assignors to Lynes, Incorporated, Houston, Tex. Well tool. 2,516,581, July 25.
Lynes, Wilson: *See*—
Jenks, Richard H., and Lynes.
Lynes, Lionel, London, assignor to Oliver Vaughan Bulleid, Newham, Steyning, England. Frame structure for vehicles. 2,533,485, Dec. 12.
Lyness, Horatio S., Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Manufacture of flexible sole shoes. 2,513,501, July 4.
Lynn, Anthony P., Elmhurst, Ill. Step-by-step type pencil. 2,525,229, Oct. 10.
Lynn, Anthony P., Elmhrust, and G. A. Lynn, River Grove, Ill. Dialing tool. 2,528,661, Nov. 7.
Lynn, Clarence, Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Lamination assembly. 2,512,351, June 20.
Lynn, Clarence, Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Commutator. 2,519,264, Aug. 15.
Lynn, Clarence, Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Excitation system. 2,525,495, Oct. 10.
Lynn, Edward M., Chicago, Ill. Eviscerating tool. 2,508,957, May 23.
Lynn, Frank L., assignor to Shuf-L-Bowl Corporation, Hempstead, N. Y. Shuffleboard bowling pin. 2,495,465, Jan. 24.
Lynn, Gary A.: *See*—
Lynn, Anthony P. and G. A.
Lynn, Gary, Melrose Park, Ill. Mechanical pencil. 2,496,554, Feb. 7.
Lynn, George E., assignor to The Dow Chemical Company, Midland, Mich. Powder distributor. 2,493,723, Jan. 3.
Lynn, George E., assignor to The Dow Chemical Company, Midland, Mich. Parasiticidal synergistic composition of benzene hexachloride and 2,4-dinitro-phenols. 2,499,396, Mar. 7.
Lynn, Lawrence B.: *See*—
Hanna, Clinton R., and Lynn.
Hanna, Clinton R., Lynn, and Mikina.
Oplinger, Kirk A., Hanna, and Lynn.
Lynn, Lawrence B., Wilkinsburg, and S. J. Mikina, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Hydraulic apparatus, particularly for vehicle stabilizing equipment. 2,520,944, Sept. 5.
Lynn, Robert J., Chicago, Ill. Mechanical pencil with lead storage magazine. 2,509,006, May 23.
Lynn, Samuel E., Mount Vernon, N. Y. Tooth. 2,510,184, June 6.
Lynn-Thomas, Sonia (Catherine), assignee: *See*—
Zublin, John A.
Lynne, Archibald L., Chicago, Ill. Food products of comminuted animal tissue. 2,503,282, Apr. 11.
Lynnequest, Victor Z., Omaha, Nebr. Paper-cutting machine. 2,524,917, Oct. 10.
Lyon, Alan M., New Haven, and D. L. Scott, Devon, Conn. Can opener and spout. 2,505,558, Apr. 25.
Lyon, Anthony, assignee: *See*—
Moore, Joseph R., and Lyon.
Lyon, George A., Allenhurst, N. J. Wheel cover. 2,493,001, Jan. 3.
Lyon, George A., Allenhurst, N. J. Wheel cover. 2,493,002, Jan. 3.
Lyon, George A., Allenhurst, N. J. Wheel cover. 2,493,003, Jan. 3.
Lyon, George A., Allenhurst, N. J. Wheel cover. 2,493,767, Jan. 10.
Lyon, George A., Allenhurst, N. J. Wheel cover. 2,497,895, Feb. 21.
Lyon, George A., Allenhurst, N. J. Wheel cover. 2,497,896, Feb. 21.
Lyon, George A., Allenhurst, N. J. Wheel cover. 2,497,897, Feb. 21.
Lyon, George A., Allenhurst, N. J. Method of an apparatus for forming thin annular plastic articles. 2,499,397, Mar. 7.
Lyon, George A., Allenhurst, N. J. Plastic extruder. 2,499,398. Mar. 7.
Lyon, George A., Allenhurst, N. J. Apparatus and method for pressing and conveying extruded plastic charges. 2,499,399. Mar. 7.
Lyon, George A., Allenhurst, N. J. Making plastic wheel trim. 2,499,400, Mar. 7.
Lyon, George A., Allenhurst, N. J. Wheel cover. 2,504,995, Apr. 25.
Lyon, George A., Allenhurst, N. J. Wheel cover. 2,505,780, May 2.
Lyon, George A., Allenhurst, N. J. Wheel cover. 2,510,990, June 13.
Lyon, George A., Allenhurst, N. J. Forming extruded plastic sheets. 2,515,243, July 18.
Lyon, George A., Allenhurst, N. J. Wheel trim ring. 2,524,062, Oct. 3.
Lyon, George A., Allenhurst, N. J. Method of and apparatus for forming plastic. 2,528,529, Nov. 7.
Lyon, George A., Allenhurst, N. J. Method of and apparatus for forming plastic. 2,528,858, Nov. 7.
Lyon, George A., Allenhurst, N. J. wheel cover. 2,531,449, Nov. 28.
Lyon, George A., Detroit, Mich. Wheel cover. 2,525,816, Oct. 17.
Lyon, George A., Detroit, Mich. Endless belt aligning means. 2,526,033, Oct. 17.
Lyon, George A., Detroit, Mich. Wheel cover. 2,535,081, Dec. 26.
Lyon, Gilbert T., Van Dyke, Mich. Fabricating tubular fittings. 2,528,280, Oct. 31.
Lyon, Howard, Flintridge, assignor to Consolidated Engineering Corporation, Pasadena, Calif. Photographic strip control and indicating mechanism. 2,514,402 July 11.
Lyon Industries, Inc., assignee: *See*—
Nicholson, Ralph A.
Lyon, James, San Diego, Calif. Beak burner for fowl. 2,505,559, Apr. 25.
Lyon, Joe M., Jr., Los Angeles, assignor, by mesne assignments, to W. E. Wilson, Inglewood, Calif. Container having spring biased sliding closure. 2,531,737, Nov. 28.
Lyon, John C.: *See*—
Watter, Michael, and Lyon.
Lyon, Joseph P., Jr.: *See*—
Schulze, Walter A., and Lyon, Jr.
Lyon, Joseph P., Jr., Phillips, Tex., and W. W. Crouch, Bartlesville, Okla., assignors to Phillips Petroleum Company. Production of dialkyl polysulfides. 2,527,948, Oct. 31.
Lyon, Margaret H., New York, N. Y. Panel concealed folding ironing board. 2,527,682, Oct. 31.
Lyon Metal Products, Incorporated, assignee: *See*—
Knuth, Harvey G.
O'Connor, John B.
Lyon, Norman W., assignor to Package Machinery Company, Springfield, Mass. Repositioner machine. 2,495,939, Jan. 31.
Lyon, Norman W., Springfield, and W. Luczek, North Wilbraham, assignors to Package Machinery Company, East Longmeadow, Mass. Machine for applying labels to moving webs. 2,527,272, Oct. 24.
Lyon, William B., Detroit, Mich. Conveyer mechanism. 2,513,502, July 4.
Lyons, Benjamin, Brooklyn, N. Y. Dental articulator. 2,535,146, Dec. 26.
Lyons, Frank H.: *See*—
Bruce, Charles A., and Lyons.
Lyons, Frank H., assignor to E. L. Bruce Co., Memphis, Tenn. Self-polishing wax composition. 2,517,904, Aug. 8.

Lyons, Frank H., Memphis, Tenn., and J. F. Ferdon, Little Rock, Ark., assignors to E. L. Bruce Co., Memphis, Tenn. Floor cleaning device. 2,500,840, Mar. 14.
Lyons, Gerald V.: *See*—
Basyin, Edgar J., Jr., and Lyons.
Lyons, Harold: *See*—
Dunmore, Francis W., and Lyons.
Lyons, Howard F., Columbus, Ohio, assignor to Curtiss-Wright Corporation. Control for the conduction of combustion air. 2,494,342, Jan. 10.
Lyons, Kenneth W., Meriden, Conn. Signaling flag for ice fishing apparatus. 2,506,092, May 2.
Lyons, Leon L., Culver City, Calif. Eyeglass temple cover. 2,502,734, Apr. 4.
Lyons-Mee, Incorporated, assignee: *See*—
Lyons, Thomas H.
Lyons, Mildred F., assignee: *See*—
Williams, Dorothy D.
Lyons, Raymond, Paintsville, Ky. Spotting table attachment for cleaning apparatus. 2,535,745, Dec. 26.
Lyons, Sanford C., Bennington, Vt., assignor to Bird Machine Co., Walpole, Mass. Improving kaolin and products thereof. 2,524,816, Oct. 10.
Lyons, Sanford C., Bennington, Vt., and E. G. Dallmus, Drybranch, Ga., assignors to Georgia Kaolin Company, Elizabeth, N. J. Process and apparatus for winning kaolin and the like. 2,520,320, Aug. 29.
Lyons, Thomas H., assignor to Lyons-Mee, Incorporated, Union City, Ind. Reference book cabinet. 2,501,608, Mar. 21.
Lyons, Thomas W. G., Banning, Calif. Antivibration attachment for "Doall" machines. 2,533,272, Dec. 12.
Lyons, Walter, Bayside, N. Y., assignor to Radio Corporation of America. Signal intensity responsive gaseous discharge device gate. 2,503,958, Apr. 11.
Lyons, Walter, Bayside, N. Y., assignor to Radio Corporation of America. Diversity system. 2,512,462, June 20.
Lyons, Walter, Wenonah, N. J., assignor to Radio Corporation of America. Diversity receiver system. 2,503,957, Apr. 11.
Lyophile-Cryochem Corporation, assignee: *See*—
Bradbury, Samuel, 3rd.
Florsdorf, Earl W.
Lysholm, Alf, Stockholm, Sweden, assignor, by mesne assignments, to J. C. Marble, New York, N. Y., L. M. Merrill, Westfield, N. J., and P. H. Batten, Racine, Wis., as trustees. Helical rotary compressor with pressure and volume regulating means. 2,519,913, Aug. 22.
Lyte, George A., Allentown, Pa., assignor to Trojan Powder Company. Explosive composition. 2,499,321, Feb. 28.
Lythgoe, G. C., assignee: *See*—
Earnest, Harry A.
Lytle, David E.: *See*—
Egger, Eduard J. W., and Lytle.
Lytle, Jack: *See*—
Wright, Royal J., and Lytle.
Lyttle, Douglas A.: *See*—
Weisblat, David I., and Lyttle.
M B Manufacturing Company, Inc., The, assignee: *See*—
Lewis, Robert C.
M B G Corporation, assignee: *See*—
Mitchell, Wallace F.
M. C. M., Inc., assignee: *See*—
Seaman, Richard H.
M & D Display Manufacturing Corporation, assignee: *See*—
Mapson, Donald L., and Buckmeyer.
M. K. M. Hosiery Mills, Inc., assignee: *See*—
Sigel, Saul.
M. O. Valve Company Limited, assignee: *See*—
Harris, Norman L., and Ryde.
Warren, Geoffrey W.
M-O Valve Company Limited, The, assignee: *See*—
Ramsay, Henry T.
Warren, Geoffrey W.
M. P. H. Industries, assignee: *See*—
Marihart, Leo A.
M & R Dietetic Laboratories, Inc., assignee: *See*—
Chrysler, Lewis H., and Almy.
Ma, Chuk Ching, Orange, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electroplating of chromium-molybdenum alloys. 2,516,227, July 25.
Ma, Chuk C., Orange, N. J., and M. W. Offinger, Wilton, Conn., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Coating articles with molybdenum. 2,512,141, June 20.
Maack, Frants H., Oclense, Denmark. Telescopic standard or arm. 2,535,803, Dec. 26.
Maag, Jack, assignee, trustee and executor: *See*—
Maitzen, Alfonse G.
Maag Zahnrader und Maschinen, A. G., assignee: *See*—
Aeppli, Albert.
Leuthold, Benedikt.
Maag-Zahnrader und -Maschinen Aktiengesellschaft, assignee: *See*—
Aeppli, Albert.
Muller, Karl.
Maager, Henry T., Delavan, Wis. Hunting arrow and arrowhead. 2,531,635, Nov. 28.
Maas, Albert J., Boone, Iowa. Self-service refrigerated food case. 2,502,163, Mar. 28.

Maas-Rowe Electromusic Corporation, assignee: *See*—
Rowe, Paul H.
Maas, Stanley, Beechhurst, N. Y. Antiskid attachment for vehicle wheels. 2,503,399, Apr. 11.
Maasdam, Abraham G., Kansas City, Mo. Pulling device. 2,506,029, May 2.
Maaskant, Leendert, Arnhem, Netherlands, assignor to American Enka Corporation, Enka, N. C. Treatment of wool and other animal fibers. 2,519,842, Aug. 22.
Maass, Paul, Hollis, N. Y. Cushion heel. 2,530,395, Nov. 21.
Maatschappij Van Berkel's Patent N. V., assignee: *See*—
Théonville, Wilhelmus.
Mabey, Charles A., Woodbury, assignor to The Bristol Company, Waterbury, Conn. Wet bulb thermometer. 2,494,769, Jan. 17.
Mabry, Ivan W., Pacolet, S. C. Filling clamping means for looms. 2,522,290, Sept. 12.
Mabus, Philip G., Baltimore, Md., assignor, by mesne assignments, to Armco Steel Corporation. Processing stainless steel. 2,499,764, Mar. 7.
MacAdams, Jesse E., Cheverly, Md. Generator. 2,525,817, Oct. 17.
Macalaster Bicknell Company, assignee: *See*—
Johnson, James W.
MacAllan, John M., Lansing, Mich. Template device for cropping dog's ears. 2,509,441, May 30.
Macallum, Alexander D., London, Ontario, Canada. Mixed phenylene sulfide resins. 2,513,188, June 27.
Macalpine, William W., East Orange, N. J., assignor to Federal Telephone & Radio Corporation, New York, N. Y. Remote control system for radio receivers. 2,498,691, Feb. 28.
MacAndrews and Forbes Company, assignee: *See*—
Swift, Clement K.
Macardier, Louis: *See*—
Domenach, Louis, and Macardier.
Macari, Gerald M.: *See*—
Civkin, Victor, and Macari.
MacArthur, Melvin D., assignor to Hydril Corporation, Los Angeles, Calif. Tubing and tubing joint. 2,532,632, Dec. 5.
MacArthur, Robert X., Cleveland, Ohio. Vacuum exhaust tube for connection to marine engines. 2,522,883, Sept. 19.
Macbeth, Allan, Altrincham, assignor to Mills Scaffold Company Limited, London, England. Scaffolding and like clip or clamp. 2,512,352, June 20.
Maccaferri, Mario, Rye, N. Y. Handle for sewn valve bags. 2,522,833, Sept. 19.
MacCaffray, Rex S., Jr., Boiling Springs, assignor to C. H. Masland & Sons, Carlisle, Pa. Joining frame. 2,525,749, Oct. 10.
MacCallum, Alan M., Maywood, assignor to Bendix Aviation Corporation, Teterboro, N. J. Gyroscope position indicating device. 2,534,463, Dec. 19.
MacClatchie, John W., Los Angeles, Calif. Combination piston and rod. 2,519,144, Aug. 15.
MacCluney, William R., Dearborn, Mich. Releasing gear. 2,513,245, June 27.
MacCluney, William R., Dearborn, Mich. Fastening device. 2,519,914, Aug. 22.
MacConnell, Charles W., assignor to Harvey-Wells Communications, Inc., Southbridge, Mass. Forming piezoelectric crystals. 2,493,461, Jan. 3.
MacConnell, Hugh C., Jr., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Double vacuum bottom plate and take-out mechanism for glassware blow mold. 2,500,083, Mar. 7.
MacConnell, Hugh C., Jr., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Apparatus for and method of cooling glass articles. 2,519,059, Aug. 15.
MacCorquodale, Donald W.: *See*—
Coghill, Robert D., Weston, and MacCorquodale.
MacCreadie, William T., Lewisburg, assignor, by mesne assignments, to Sunbury Wire Rope Manufacturing Company, Sunbury, Pa. Wire rope manufacturing machine. 2,506,230, May 2.
MacCreadie, William T., Lewisburg, Pa. Wire rope making machine. 2,525,230, Oct. 10.
MacCreadie, William T., Lewisburg, Pa. Wire rope making machine. 2,526,147, Oct. 17.
MacDermaid, Lloyd D., assignor to Operadio Manufacturing Company, St. Charles, Ill. High-frequency heating system. 2,519,193, Aug. 15.
Macdonald, Angus A., Catonsville, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Sector scanning unit. 2,519,265, Aug. 15.
Macdonald, Angus A., Catonsville, and R. E. Mathieu, Baltimore, Md., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Capacitatively tuned concentric line resonator. 2,523,128, Sept. 19.
MacDonald, Dennison H.: *See*—
McCoy, James L., and MacDonald.
MacDonald, Gilmour C., Ames, Iowa. Combined throttle lever and rocket firing means for acceleration or deceleration of aircraft. 2,529,508, Nov. 14.
MacDonald, Hugh: *See*—
MacDonald, William and H.
MacDonald, Jack H.: *See*—
McClellan, James E., and MacDonald.

Macdonald, James S., Kenton, England. Gear system. 2,507,640, May 16.
MacDonald, Karl, Wellsville, N. Y., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Oil pump drive for steam turbines. 2,497,616, Feb. 14.
Macdonald, Lester S., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Fastening inserting machine. 2,524,817, Oct. 10.
MacDonald, Raymore D., La Grange, assignor to Athey Products Corporation, Chicago, Ill. Idler roller and cleaner assembly for use with belt conveyers. 2,506,372, May 2.
MacDonald, Raymore D., La Grange, assignor to Athey Products Corporation, Chicago, Ill. Side dump trailer structure. 2,513,658, July 4.
MacDonald, Raymore D., La Grange, assignor to Athey Products Corporation, Chicago, Ill. Side dump trailer. 2,523,035, Sept. 19.
MacDonald, Robert N., Wilmington, Del., assignor by mesne assignments, to the United States of America as represented by the Secretary of War. Chemical composition. 2,518,345, Aug. 8.
MacDonald, Robert N., New Castle, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Acid initiation of amino acid N-carboanhydride condensation. 2,534,283, Dec. 19.
Macdonald, Rowland, Longmeadow, assignor to American Bosch Corporation, Springfield, Mass. Fuel injection pump plunger. 2,516,521, July 25.
MacDonald, Stuart P., Arlington, Mass., and J. I. Thompson, Washington, D. C., assignors to New England Confectionery Company, Cambridge, Mass. Process and system for confectionery cream manufacture. 2,507,477, May 9.
Macdonald, Waldron S., Montgomery County, Md. Electromotive device. 2,504,996, Apr. 25.
MacDonald, Walter W., Kansas City, Mo. Plate for photoengraving and enamel therefor. 2,526,759, Oct. 24.
MacDonald, William A., Locust Valley, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill. High-frequency transformer. 2,503,879, Apr. 11.
MacDonald, William R., Oakland, Calif. Combination lamp pedestal and dancing doll. 2,526,886, Oct. 24.
MacDonald, William and H., Inverness, Scotland. Permanent waving of hair. 2,500,554, Mar. 14.
MacDougall, Franklin M.: *See*— Dube, John E., MacDougall, and Bower.
MacDougall, Robert, Rock Falls, Ill. Rotary pump. 2,508,678, May 23.
MacDuff, Stanley I., assignor to Bendix Aviation Corporation, South Bend, Ind. Power steering apparatus for nose wheels. 2,506,093, May 2.
MacDuff, Stanley I., assignor to Bendix Aviation Corporation, South Bend., Ind. Valve. 2,517,005, Aug. 1.
MacDuff, Stanley I., assignor to Bendix Aviation Corporation, South Bend, Ind. Temperature compensated force and motion transmitting hydraulic system. 2,520,731, Aug. 29.
MacDuff, Stanley I., assignor to Bendix Aviation Corporation, South Bend, Ind. Fluid motor mechanism. 2,531,695, Nov. 28.
Mace, Harry W., Glendale, assignor to S. O. Ronk and L. R. Hunter, Burbank, Calif. Activator solution for machineless hair-waving pads. 2,531,359, Nov. 21.
Macek, Thomas J., Irvington, assignor to Merck & Co. Inc., Rahway, N. J. Making a fluid oil-beeswax vehicle for the parenteral administration of drugs. 2,493,202, Jan. 3.
Macek, Thomas J., Irvington, assignor to Merck & Co., Inc., Rahway, N. J. Multivitamin preparation. 2,519,487, Aug. 22.
MacFarland, Charles H., assignor to The Scott & Fetzer Company, Cleveland, Ohio. Rotary vacuum cleaner brush. 2,533,169, Dec. 5.
MacFarland Manufacturing Corporation, assignee: *See*— McFarland, Artie F.
MacFarlane, Grace M., Rockford, Ill. Skirt marker. 2,533,127, Dec. 5.
MacFee, Vernon R., Doster, Mich. Fertilizer distributor. 2,527,750, Oct. 31.
Macgeorge, William D., Drexel Hill, Pa., assignor to The Baldwin Locomotive Works. Fatigue testing apparatus. 2,500,764, Mar. 14.
Macgeorge, William D., Drexel Hill, Pa., assignor to The Baldwin Locomotive Works. Torque measuring system. 2,531,228, Nov. 21.
Macgeorge, William D., Havertown, assignor to Automatic Temperature Control Co., Inc., Philadelphia, Pa. Differential transformer. 2,507,344, May 9.
MacGregor, Frank A., assignor, by mesne assignments, to Humphreys & Glasgow Limited, Westminster, England. Stack valve of water gas generators and the like. 2,503,625, Apr. 11.
MacGregor, James H., Bocking, Braintree, and F. Happey, Hartington Crescent, Coventry, assignors to Courtaulds Limited, London, England. Manufacture of sheets or webs of fibrous textile materials. 2,522,627, Sept. 19.
MacGregor, May, New York, N. Y. Exercising equipment. 2,533,273, Dec. 12.
MacGregor, William F., Toronto, Ontario, Canada, assignor to General Electric Company. Electric discharge lamp. 2,512,282, June 20.
Machine-Craft Mfg. Co., assignee: *See*— Schildknecht, Paul.
Machine Design Associates, Inc., assignee: *See*— Doherty, Henry A.
Machine Tool Works Oerlikon Administration Company, assignee: *See*— Eglin, Hans.
Machinefabriek Gebr. Stork & Co. N. V., assignee: *See*— Overweg, Johannes.
Machleder, Irving, New York, assignor of one-fourth to P. Stiller, Mount Vernon, one-fourth to B. Altman, Larchmont, and one-fourth to J. C. Ledbetter, New York, N. Y. Paint container means and mixing preselected colored paints. 2,528,530, Nov. 7.
Machlet, Adolph W., Elizabeth, N. J. Composition for imparting rust-inhibiting finish to iron articles. 2,529,344, Nov. 7.
Machlet, Adolph W., Elizabeth, N. J. Durably finishing iron articles and composition therefor. 2,529,345, Nov. 7.
Machlett Laboratories Incorporated, assignee: *See*— Doolittle, Howard D. Warner, John G.
Machlin, Eugene S., Cleveland Heights, and L. L. Ornstein, East Cleveland, Ohio. Producing a replica of a surface. 2,514,403, July 11.
Maciejewski, Tadeus J., Blackstone, Mass. Attachment for oil burners. 2,533,596, Dec. 12.
Maciejowski, John J.: *See*— Reinhold, Frank W., and Maciejowski.
MacIndoe, John F., Philadelphia, Pa. Lubricator. 2,498,090, Feb. 21.
MacIntyre, Charles H., Clifton, assignor to Bendix Aviation Corporation, Teterboro, N. J. Snap-action rotary timer. 2,518,628, Aug. 15.
Macintyre, John R., South Peabody, and R. L. Davis, Saugus, Mass., assignors to General Electric Company. Maximum demand meter reset mechanism. 2,497,678, Feb. 14.
MacIntyre, John S., Milwaukee, Wis. Roll material strip cutter. 2,511,927, June 20.
MacIntyre, William R., assignor to Joseph Bancroft & Sons Co., Wilmington, Del. Imparting crease resistance to cotton fabrics. 2,504,857, Apr. 18.
Mack, Charles, Sarnia, Ontario, Canada, assignor to Standard Oil Development Company. Regeneration of desulfurizing catalyst. 2,515,131, July 11.
Mack, Donald C.: *See*— Mack, Sterling C.
Mack, Edward L., New York, N. Y. Sound reproducing stylus. 2,519,488, Aug. 22.
Mack, Frank: *See*— MacNeil, Charles S. J., Haines, Moore, Mack, and Carson.
Mack, George W., Waterloo, Iowa. Container for greeting cards. 2,526,887, Oct. 24.
Mack, Gerry P., Jackson Heights, assignor to Advance Solvents & Chemical Corporation, New York, N. Y. Halogen-containing polymeric substances of improved heat and light stability and stabilizers therefor. 2,510,035, May 30.
Mack, Gerry P., Jackson Heights, N. Y., assignor to Advance Solvents and Chemical Corporation. Preparing vinyl resin plasticized sheets. 2,535,643, Dec. 26.
Mack, John L., Sr., Chicago, Ill. Tie rack. 2,529,403, Nov. 7.
Mack, Kent M., Baltimore, and C. J. Miller, Catonsville, Md., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Converter system. 2,516,009, July 18.
Mack Manufacturing Corporation, assignee: *See*— Benning, Walter F. Soper, Guy E.
Mack, Robert G., assignor to Hewitt-Robins Incorporated, Buffalo, N. Y. Shoulder pad. 2,509,159, May 23.
Mack, Rudolph A.: *See*— Zapart, Bruno J., and Mack.
Mack, Sterling C., Bangor, Pa.; said S. C. and D. C. Mack, administrator of said S. C. Mack, deceased, assignors to Julius Kayser & Co., New York, N. Y. Fashioned fabric, hosiery, and production. 2,507,530, May 16.
Mack, Sterling C., Bangor, Pa.; said S. C. and D. C. Mack, administrator of said S. C. Mack, deceased, assignors to Julius Kayser & Co., New York, N. Y. Fashioned fabric, hosiery and method of production. 2,507,531, May 16.
Mack, Sterling C., Bangor, Pa.; said S. C. and D. C. Mack, administrator of said S. C. Mack, deceased, assignors to Julius Kayser & Co., New York, N. Y. Knitting. 2,507,532, May 16.
Mack, Wayne M.: *See*— Carew, Herman, and Mack.
Mack, Wayne M., assignor to Dixie Cup Company, Easton, Pa. Combined adjustable coupling and switch actuator. 2,530,709, Nov. 21.
Mackas, George, Brooklyn, N. Y., assignor to the United States of America as represented by the Secretary of War. Shock testing apparatus. 2,496,298, Feb. 7.
MacKay, Irwin A.: *See*— Sweeney, John F., Able, and MacKay.
Mackay, James E., Street, assignor to C. & J. Clark Limited, Street, Somerset, England. Last for shoes. 2,497,363, Feb. 14.

Mackay, James E., assignor to C. & J. Clark Limited, Street, England. Foot measuring appliance. 2,519,676, Aug. 22.

Mackay, James E., assignor to C. & J. Clark Limited, Street, England. Foot measuring appliance. 2,519,677, Aug. 22.

Mackay, Johnstone S., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Production of guanidine sulfates. 2,515,244, July 18.

Mackay, Johnstone S., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Production of guanamines. 2,527,314, Oct. 24.

Mackay, Johnstone S., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Preparation of urea. 2,527,315, Oct. 24.

Mackay, Johnstone S., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Production of cyanuric acid. 2,527,316, Oct. 24.

Mackay, Johnstone S., Old Greenwich, and W. P. Lawler, Springdale, Conn., assignors to American Cyanamid Company, New York, N. Y. Melamine decolorization. 2,524,018, Sept. 26.

Mackay, Johnstone S., Old Greenwich, and W. P. Lawler, Springdale, Conn., assignors to American Cyanamid Company, New York, N. Y. Decolorization of melamine. 2,524,019, Sept. 26.

Mackay Radio and Telegraph Company, assignee: *See*— Yando, Stephen.

MacKay, Robert, Louisville, Ky., assignor to Reynolds Metals Company, Richmond, Va. Preparing gravure printing surfaces. 2,506,427, May 2.

Mackay, Ted J., West Orange, N. J. Draft controlling stack damper mechanism for conserving heat in furnaces. 2,508,885, May 23.

MacKeage, Ben F., Jr., West Bridgewater, Pa. Coupling. 2,516,472, July 25.

Mackechnie, James G., Jr., Springfield, Mass. Laundry sorting apparatus. 2,518,036, Aug. 8.

Mackechnie, James G., Jr., Springfield, Mass. Drop mechanism for article sorting apparatus. 2,518,037, Aug. 8.

Mackensen, Fred H., Bettendorf, Iowa, assignor to Mexico Refractories Company, Mexico, Mo. Checker for furnaces. 2,532,112, Nov. 28.

Mackenzie, Alexander S., Houston, assignor to Super Density Tie Connector Corporation, Galveston, Tex. Combination bale tie and connector. 2,528,376, Oct. 31.

MacKenzie, Charles A.: *See*—
Rust, John B.
Rust, John B., and MacKenzie.

MacKenzie, Charles A., East Orange, N. J., assignor of one-half to Montclair Research Corporation, and one-half to Ellis-Foster Company. Organo silicon elastomers. 2,507,413, May 9.

MacKenzie, Charles A., East Orange, N. J., assignor of one-half to Montclair Research Corporation, and one-half to Ellis-Foster Company. Organo-silicon resins and making same. 2,507,414, May 9.

MacKenzie, Charles A., Upper Montclair, and J. B. Rust, West Orange, N. J., assignors of one-half to Montclair Research Corporation, and one-half to Ellis-Foster Company. Aminotriazine - organosilicon composition. 2,500,842, Mar. 14.

MacKenzie, Charles A., Montclair, and J. B. Rust, West Orange, N. J., assignors of one-half to Ellis-Foster Company, and one-half to Montclair Research Corporation. Composition of urea-formaldehyde and organosilicon compounds. 2,500,843, Mar. 14.

MacKenzie, Douglas M., Toronto, Ontario, Canada. Clothesline manipulator. 2,503,830, Apr. 11.

MacKenzie, Joseph B.: *See*—
Martin, Eugene, and MacKenzie.

MacKenzie, Kenneth W., Newton Highlands, assignor to Raytheon Manufacturing Company, Newton, Mass. Electrical precipitator. 2,494,822, Jan. 17.

MacKenzie, Kenneth W., Newton Highlands, assignor to Raytheon Manufacturing Company, Newton, Mass. Electrical precipitator. 2,504,858, Apr. 18.

MacKenzie, Kenneth W., San Jose, Calif. Fruit gatherer. 2,519,678, Aug. 22.

Mackenzie, Ronald B., Wembley, England, assignor to Hazeltine Research, Inc., Chicago, Ill. Compensated voltage regulator. 2,525,698, Oct. 10.

MacKenzie, Wilbur L., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Broad flexible nozzle for sole cementing. 2,514,404, July 11.

Mackey, Donald, Haddon Heights, N. J., assignor to Radio Corporation of America. Permeability tuner. 2,496,058, Jan. 31.

Mackey, Henry W., assignor to Motor Products Corporation, Detroit, Mich. Surface coating apparatus. 2,525,920, Oct. 17.

Mackey, Joseph R., assignor to Cummer-Graham Company, Longview, Tex. Stapling machine. 2,535,306, Dec. 26.

Mackey, William H., Teaneck, and A. L. Wedebrock, Westwood, N. J., assignors to Johns-Manville Corporation, New York, N. Y. Blowing machine. 2,532,318, Dec. 5.

Mackie, Alden W., assignor to R. W. Pointer, Portland, Oreg. Vehicle suspension. 2,493,004, Jan. 3.

Mackie, George W., Scranton, Pa. Mechanism for rolling baby carriages and the like. 2,496,733, Feb. 7.

Mackiewicz, Zygmunt A., U. S. Navy. Arc-oxygen underwater cutting torch. 2,531,450, Nov. 28.

MacKinney, John J.; *See*—
Van Sciver, Herbert D., II, and MacKinney.

MacKinnon, Charles W., Sarnia, Ontario, Canada, assignor to Standard Oil Development Company. Concentrated sulfuric acid processes. 2,498,629, Feb. 28.

MacKinnon, Horatio W., assignor to J. F. Latta, Vancouver, British Columbia, Canada. Machine for filling cans with paste having a plunger with paste suction relief blades. 2,532,777, Dec. 5.

Mackintosh, Donald D. R., Chicago, Ill., assignor to Chicago Nipple Manufacturing Company. Chucking and feeding apparatus. 2,514,775, July 11.

Macklin, Justin W., Lakewood, and W. H. Grant, Cleveland, Ohio. Method and apparatus for corrugating metal tubing. 2,495,533, Jan. 24.

MacKnight, Harry A.: *See*—
Jerauld, Frank C., and MacKnight.

Macksoud, Michel E., Flushing, N. Y. Producing highly emissive electrodes. 2,525,263, Oct. 10.

Macksoud, Michel E., Newburyport, Mass., assignor to Cooper-Hewitt Electric Company, Hoboken, N. J. Instantaneous starting electric lamp. 2,517,126, Aug. 1.

Macksoud, Michel E., Newburyport, Mass., assignor to Cooper-Hewitt Electric Company, Hoboken, N. J. Mount assembly for sun lamps. 2,524,455, Oct. 3.

Macksoud, Michel E., Newburyport, Mass., assignor to Cooper-Hewitt Electric Company, Hoboken, N. J. Producing highly emissive electrodes. 2,525,262, Oct. 10.

Mackta, Leo, Brooklyn, N. Y. Sight for moving targets. 2,526,677, Oct. 24.

Mac Lachlan Hats Limited, Inc., assignee: *See*— Farnworth, John A., and Keeshan.

Maclaren, Arthur H., Tewksbury, Mass. Locking receptacle. 2,499,765, Mar. 7.

MacLaren, Frederick H., Munster, Ind., and J. A. Anderson, assignors to Standard Oil Company, Chicago, Ill. Preparing polyethylene wax compositions. 2,504,270, Apr. 18.

MacLatchie, Robert, Penllyn, Pa. Christmas tree holder. 2,503,446, Apr. 11.

MacLatchie, Robert, Jr., Penllyn, Pa., assignor to Radio Corporation of America. Electric power applicator. 2,504,338, Apr. 18.

MacLaughlin, Robert E., Rochester, N. H. Footwear and novel closure therefor. 2,494,770, Jan. 17.

Maclay, William D.: *See*—
Owens, Harry S., McCready, and Maclay.

MacLean, Alexander F.: *See*—
Paden, Joseph H., and MacLean.

MacLean, Alexander F., Robstown, Tex., assignor to Celanese Corporation of America. Catalytic reaction for the production of unsaturated aliphatic aldehydes. 2,517,006, Aug. 1.

MacLean, Eliot B.: *See*—
Gwaltney, Eugene C., Shaw, and MacLean.

MacLean-Fogg Lock Nut Company, assignee: *See*— MacLean, John A., Jr., and Money.

MacLean, James M., Detroit, Mich. Enclosed resilient wheel. 2,532,319, Dec. 5.

MacLean, John A., Jr., Winnetka, Ill., and B. F. Money, Tulsa, Okla., assignors to MacLean-Fogg Lock Nut Company, Chicago, Ill. Cotter key. 2,510,897, June 6.

MacLean, Kenneth G.: *See*—
Goddard, De Witt R., and MacLean.
Trevor, Bertram, and MacLean.

MacLeish, Kenneth G., Oak Ridge, Tenn., assignor, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission. System for measuring limited current changes. 2,510,930, June 6.

MacLelland, Willis G.: *See*—
Snyder, Clermont J., and MacLelland.

MacLennan, John C., Toronto, Ontario, Canada. Luminous pendant. 2,506,800, May 9.

MacLeod, David E., Syracuse, N. Y. Antiglare shield. 2,501,398, Mar. 21.

MacLeod, Lester R., Dumont, N. J. Dust conveying. 2,499,766, Mar. 7.

Macleod, Norman D.: *See*—
Lee, Geoffrey P., and Macleod.

MacMahon, James D., Niagara Falls, N. Y., assignor to Mathieson Chemical Corporation. Detergent briquette. 2,519,841, Aug. 22.

MacMahon, James D., Niagara Falls, N. Y., assignor to Mathieson Chemical Corporation. Stable lithium hypochlorite composition. 2,534,781, Dec. 19.

MacMahon, James D., Niagara Falls, and L. D. Taylor, Lewiston, N. Y., assignor to Mathieson Chemical Corporation. Production of granular detergent mixtures. 2,515,880, July 18.

MacMahon, Paul H., Alexandria, Va. Electric lamp. 2,493,491, Jan. 3.

MacMartin, Georgiana, Seattle, Wash. Combined scraper and steel wool holder. 2,512,952, June 27.

MacMaster, Malcolm D., Woodside, Pa., assignor to C. V. Hill & Company, Inc., Trenton, N. J. Self-service refrigerated case having a defrosting system. 2,494,480, Jan. 10.

MacMaster, Malcolm D., Woodside, Pa., and V. W. Smith, assignors to C. V. Hill & Company, Inc., Trenton, N. J. Refrigerated self-service display case. 2,494,481, Jan. 10.

MacMillan, Andy A., Los Angeles, Calif. Combination lock. 2,512,028, June 20.

MacMillan, Donald M., Macon, Ga. Recap mold for tire casings. 2,509,830, May 30.
MacMillian, Charles W., Pompano, Fla. Engine fuel controlling device. 2,507,988, May 16.
MacNaughtan, Duncan J.: *See*—
Baier, Sydney W., and MacNaughtan.
MacNeil, Charles S. J.: *See*—
Blanchard, Werner J., and MacNeil.
MacNeil, Charles S. J., J. F. Haines, R. E. Moore, F. Mack, and H. Carson, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Speed responsive hydraulic control means. 2,512,803, June 27.
MacNeil, Charles S. J., J. F. Haines, R. E. Moore, and H. Carson, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Pressure control valve. 2,524,630, Oct. 3.
MacNeil, Edward N., Coalinga, Calif. Fluid operated hydraulic pump. 2,519,679, Aug. 22.
MacNeil, Arden B., assignor of one-half to H. H. MacNeill, Waltham, Mass. Spike for shoes. 2,506,801, May 9.
MacNeil, Harris H., assignee: *See*—
MacNeill, Arden B.
MacNeill, John B., and B. I. Hayford, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Metal-clad switchgear. 2,501,345, Mar. 21.
MacNeill, William D., Philadelphia, Pa. Dyeing cone wound yarn. 2,513,418, July 4.
Maco Corporation, The, assignee: *See*—
Fisher, Gerald A.
Macon, Cyrene M., Dallas, Tex. Combination serving cart and dishwasher. 2,502,265, Mar. 28.
MacPhail, Angus, Hitchin, assignor to Theratronics Limited, London, England. Apparatus for shock therapy. 2,534,043, Dec. 12.
MacPheat, Alexander M., Brookfield, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Headband for telephone operators' headsets. 2,518,035, Aug. 8.
MacPherson, Earle S., assignor to General Motors Corporation, Detroit, Mich. Vehicle wheel. 2,497,031, Feb. 7.
MacPherson, Earle S., assignor to General Motors Corporation, Detroit, Mich. Valve stem oil seal. 2,505,128, Apr. 25.
MacPherson, William H., Hobart, Ind. Rotary pump. 2,521,236, Sept. 5.
MacQuarrie, Barbara A., Plainfield, N. J. Bath cloth with soap container. 2,520,160, Aug. 29.
Macreadie, Margaret W., Winnipeg, Manitoba, Canada. Pocket glove. 2,496,734, Feb. 7.
Macrides, Philip C., assignor to Cluett, Peabody & Co., Inc., Troy, N. Y. Garment closure. 2,506,094, May 2.
MacSorley, Olin L., Collingswood, N. J., assignor to Radio Corporation of America. Oscillation generator. 2,532,455, Dec. 5.
Macumber, Otto, assignor of thirty per cent to L. O. M. Cooper, Des Moines, Iowa. Pushing machine. 2,519,680, Aug. 22.
Macungie Hosiery Mills, Inc., assignee: *See*—
Berg, Chester P.
Macvan Manufacturing Company, assignee: *See*—
McIlroy, John H.
Macy Camera Corp., assignee: *See*—
Mosca, Renato.
Macy, James C.: *See*—
Frank, Joseph J., and Macy.
Macy, James C., Elizabeth, N. J., assignor to Aircraft-Marine Products Inc., Harrisburg, Pa. Electrical connector. 2,511,806, June 13.
Macy, Nathaniel, and G. F. Schafer, Greencastle, Ind. Two-cycle engine axial scavenging of cylinders. 2,516,228, July 25.
Madan, Edward K. and R. W., Maplewood, assignors to The Emeloid Co. Incorporated, Arlington, N. J. Lamp shade and making the same. 2,496,482, Feb. 7.
Madan, Edward K. and R. W., Maplewood, assignors to The Emeloid Co. Incorporated, Arlington, N. J. Plastic lens. 2,525,921, Oct. 17.
Madan, Philip K., Mount Vernon, N. Y. Collapsible ash tray. 2,506,962, May 9.
Madan, Philip K., Mount Vernon, N. Y. Hassock. 2,509,395, May 30.
Madan, Robert W.: *See*—
Madan, Edward K. and R. W.
Madden, David W., Chicago, Ill. Smoking pipe reamer. 2,520,418, Aug. 29.
Madden, Frank J., assignee: *See*—
Kraybill, Henry R., and Beadle.
Madden, Harold J., Baton Rouge, La., assignor to Ethyl Corporation, New York, N. Y. Recovery of alkyllead. 2,513,659, July 4.
Madden, James H., St. Paul, Minn. Jet-propelled aircraft with tiltable jet units. 2,499,401, Mar. 7.
Maddox, Irene M., Indianapolis, Ind. Mirror structure. 2,503,163, Apr. 4.
Maddox, John W., Pensacola, Fla. Heated display case. 2,527,101, Oct. 24.
Maddox, Joseph V., assignor of one-fifth to B. Michael, Detroit, Mich. Geared socket wrench. 2,532,027, Nov. 28.
Maddox, Lewis W., Clarksville, assignor of one-half to C. Owen, Atlanta, Ga. Engine safety switch. 2,529,775, Nov. 14.
Maddux, Duane C., Burbank, Calif. Dispensing machine for ice cream and sherbets. 2,534,782, Dec. 19.
Maddux, Eddy A., Wichita, Kans. Fish lure. 2,523,536, Sept. 26.
Madeksho, John J., Chicago, Ill. Fish box for boats. 2,493,203, Jan. 3.
Madera, Frederick G., Niagara Falls, N. Y. Record cleaner. 2,509,307, May 30.
Madge, Evelyn W.: *See*—
Illingworth, James W., and Madge.
Madger, Arthur W., New Malden, England. Wall structure embodying panel units. 2,505,902, May 2.
Madger, Arthur W., New Malden, England. Paneled wall structure. 2,505,903, May 2.
Madison, Hunter W., Washington, D. C. Masking device. 2,531,142, Nov. 21.
Madland, Thorvald, Chicago, Ill., assignor to The Youngstown Steel Door Company, Cleveland, Ohio. Railway house car. 2,522,761, Sept. 19.
Madlé, Alain M., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Engine starter. 2,530,475, Nov. 21.
Madlen, Marshall L., Avon Lake Village, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Apparatus for film-type distillation. 2,500,900, Mar. 14.
Madorsky, Samuel L., Washington, D. C. Manufacturing stable alkali hypochlorite compositions. 2,524,394, Oct. 3.
Madsen, Alvin R., Rupert, Idaho. Planting and thinning vehicle. 2,514,249, July 4.
Madsen, Gunnar, Brooklyn, N. Y. Detachable handle screw driver. 2,522,388, Sept. 12.
Madsen, Henning W., assignee: *See*—
Schmidt, Christian.
Madsen, Howard, San Francisco, Calif. Lifting device for pallets or the like. 2,494,823, Jan. 17.
Madsen, Jay R., Mount Pleasant, Utah. Gunstock ammunition container. 2,495,977, Jan. 31.
Madsen, Paul S.: *See*—
Manville, Charles T., and Madsen.
Madsen, Paul S., Bethany, assignor to The Seamless Rubber Company, New Haven, Conn. Connector. 2,507,535, May 16.
Madsen, Peter, Valby, near Copenhagen, Denmark. Rail brake. 2,518,346, Aug. 8.
Madsen, Soren: *See*—
Keith, Claude D., O'Brien, and Madsen.
Madsen, William N.: *See*—
Butler, Edwin I., Madsen, and Tidrick.
Madson, John G., U. S. Navy. Mechanical automatic stop for turret lathes. 2,503,283, Apr. 11.
Maduff, Sydney L., and L. W. Cornwall, Los Angeles, Calif.; said Cornwall assignor to said Maduff. Folding razor. 2,512,953, June 27.
Maeser, Mieth, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Device for testing the control mechanism of fuse setters and rammers for guns. 2,508,577, May 23.
Maffei, Carmine C. J.: *See*—
Kirschstein, Julius, and Maffei.
Magaldino, Andrew J., Highland Park, and M. Figge, Ulster Park, assignors, by mesne assignments, to Newburgh Metal Mfg. Corp., Newburgh, N. Y. Reclining chair. 2,512,353, June 20
Magann, Merritt W., St. Louis, and W. A. McElvain, Maplewood, assignors to Diagraph-Bradley Stencil Machine Corporation, St. Louis, Mo. Reservoir fountain brush. 2,527,317, Oct. 24.
Magarian, Masick C., Fresno, Calif. Bearing for harrows. 2,501,068, Mar. 21.
Magat, Eugene E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Reaction of ethers with nitriles. 2,518,156, Aug. 8.
Magdiel, Daniel H.: *See*—
Magdiel, John H. and D. H.
Magdiel, John H. and D. H., Los Angeles, Calif. Wall-building machine. 2,513,882, July 4.
Maged, Julius, and C. M. Kramer, Baltimore, Md. Drinking spout for cans. 2,530,253, Nov. 14.
Magee Carpet Company, The, assignee: *See*—
Groat, Francis P.
Mageoch, Harry Y., Havertown, assignor to Electric Service Manufacutring Co., Philadelphia, Pa. Dynamic brake for electric motors. 2,507,918, May 16.
Mager, Eric L.: *See*—
Lowry, Erwin F., Mager, and Keilholtz.
Mager, Eric L., Peabody, assignor to Sylvania Electric Products Inc., Salem, Mass. Coating curved tubing. 2,512,866, June 27.
Magerkurth, Wilhelm A., and H. E. Buecken, assignors to National Rubber Machinery Company, Akron, Ohio. Apparatus for extruding thermoplastic materials. Re. 23,240, June 13.
Magerlein, Barney J.: *See*—
Newman, Melvin S., and Magerlein.
Mages, Morris, assignor to V. Mueller & Company, Chicago, Ill. Tonometer head. 2,519,681, Aug. 22.
Mages, Morris L., assignor to Magnaflux Corporation, Chicago, Ill. Electronic metal locator. 2,502,626, Apr. 4.
Maggio, Paul J., and L. F. Smith, Fort Dodge, Iowa. Bobby pin opener. 2,507,031, May 9.
Maggs, Charles: *See*—
Ekstrand, Sture O., Maggs, and Ronci.
Gormley, Robert S., Maggs, and Moose.

Magidson, Frank, assignor to Rapid Tag & Wire Company, Pittsburgh, Pa. Tag fastener. 2,521,927, Sept. 12.

Magill, Gilbert W., assignee: *See*—
Brouwer, Pieter J.

Magill, Rawland R., Chicago, Ill. Coagulant and clarifying turbid water therewith. 2,534,284, Dec. 19.

Magill, Robert J., Sausalito, Calif. Rack for processing tanks. 2,519,682, Aug. 22.

Magit, Harry, Los Angeles, Calif. Cleaning pad. 2,528,602, Nov. 7.

Magnaflux Corporation, assignee: *See*—
De Forest, Taber, and Staats.
Kerr, Robert J.
Mages, Morris L.
Peterson, Robert A., Heckle, and Clarke.

Magnani, Alessandro, Broni, Italy. Manufacture of socket pipes of asbestos-cement. 2,528,155, Oct. 31.

Magnani, Arthur: *See*—
Julian, Percy L., Cole, Meyer, and Magnani.

Magnatone, Inc., assignee: *See*—
Begun, Semi J.

Magnavox Company, The, assignee: *See*—
Koonz, John C., and Piper.
Mills, Donald H.
Olson, Ray G.
Quinnell, La Vern E.
Stone, Leland G.
West, Judson, Jr., and Pridham.

Magnecord, Inc., assignee: *See*—
Tinkham, Russell J.
Tinkham, Russell J., and Landon.

Magnesen, Charles D., assignor to Modern Design Products Company, Chicago, Ill. Bearing seal. 2,498,739, Feb. 28.

Magnesium Company of America, assignee: *See*—
Daniels, Vitold J.

Magnesium Elektron Limited, assignee: *See*—
Ball, Charles J. P., Fox, Jessup and Emley.
Ball, Charles J. P., Jessup, Emley, and Fisher.
Ball, Charles J. P., Jessup, and Fisher.
Blythe, Harold J., and Hock.
Emley, Edward F.
Emley, Edward F., and Jessup.
Emley, Edward F., and Jessup, and Fisher.
Jessup, Alfred C., and Wilson.
Mayer, Simon E., and Higgins.

Magnetic Analysis Corporation, assignee: *See*—
Callan, Joseph M.
Zuschlag, Theodore.

Magnetrol, Inc., assignee: *See*—
Binford, Benjamin L.

Magney, Charles A., Spokane, Wash. Shirt collar stiffener. 2,494,185, Jan. 10.

Magnin, Jacques, Chestnut Hill, Pa., assignor to H. C. Knerr. Lead coating. 2,493,768, Jan. 10.

Magnin, Jacques, Chestnut Hill, Pa., assignor to H. C. Knerr. Machine for lead coating. 2,493,769, Jan. 10.

Magnus Chemical Company, Inc., assignee: *See*—
Zinty, Marcel J. A.

Magnus, Finn H., Essex Fells, N. Y., assignor to Magnus Research, Incorporated. Plastic hinge construction for boxes and the like. 2,527,318, Oct. 24.

Magnus Research, Incorporated, assignee: *See*—
Magnus, Finn H.

Magnuson, Roy M., assignee: *See*—
Daugherty, Ralph K.

Magnuson, Roy M., Campbell, assignor of one-third to G. H. Ballantyne, San Jose, Calif., and one-third to C. L. Kirk, Bozeman, Mont. Quick-freeze apparatus. 2,532,633, Dec. 5.

Magnuson, Roy M., Campbell, Calif. Article orienting apparatus. 2,534,362, Dec. 19.

Magnuson, Roy M., Campbell, T. J. Smith, and R. K. Daugherty, San Jose, Calif., said Smith and said Daugherty assignors to said Magnuson. Coring machine. 2,506,802, May 9.

Magnusson, Joseph, Wollaston, assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Sheet feeding mechanism. 2,494,186, Jan. 10.

Magnusson, Joseph, Wollaston, assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Labeling machine. 2,506,963, May 9.

Magnusson, Magnus: *See*—
Symonds, Ralph F., and Magnusson.

Magoffin, James E.: *See*—
Brimer, Marshall R., Magoffin and Von Bramer.
Clemens, Milton L., and Magoffin.

Magoffin, James E., and T. E. Vance, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Electrolytic method of preparing manganese dioxide. 2,500,039, Mar. 7.

Magowan, Thomas R., assignor to Carter Carburetor Corporation, St. Louis, Mo. Paint spray apparatus. 2,495,587, Jan. 24.

Magrath, George, Whitinsville, Mass. Bobbin clutch. 2,528,066, Oct. 31.

Magrum, Gervase M., Buffalo, N. Y., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Bellows construction. 2,506,725, May 9.

Magrum, Gervase M., Buffalo, N. Y., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Pneumatic suspension for motor vehicles and the like. 2,506,726, May 9.

Magrum, Gervase M., Buffalo, N. Y., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Valve structure for hydraulic shock absorbers. 2,516,782, July 25.

Magrum, Gervase M., and B. E. O'Connor, Buffalo, N. Y., assignors to Houdaille-Hershey Corporation, Detroit, Mich. Hydraulic shock absorber structure. 2,516,781, July 25.

Maguire, Howard S., Grand River, Mich. Collapsible baby crib convertible to play pen. 2,520,846, Aug. 29.

Maguire, John J.: *See*—
Nieland, William L., Maguire, George, and Kahler.

Maguire, Michael T., Baltimore, Md., assignor to Koppers Company, Inc., Pittsburgh, Pa. Drive for amphibian tractors. 2,518,481, Aug. 15.

Maguire, William, Detroit, Mich. Lavatory. 2,504,271, Apr. 18.

Mah, Henry G., Toronto, Ontario, Canada, assignor to McGraw Electric Company. System of regulation. 2,503,880, Apr. 11.

Maha, Otto J.: *See*—
Peterson, Victor W., and Maha.

Mahaffey, Edwin K. and W. E., Memphis, Tenn. Electric operating device for raising and lowering landing gear for semitrailers. 2,523,962, Sept. 26.

Mahaffey, Eugene, Memphis, Tenn. Safety stop for awnings. 2,505,416, Apr. 25.

Mahaffey, William E.: *See*—
Mahaffey, Edwin K. and W. E.

Mahan, Arthur T., Chester, Pa. Flashlight holster. 2,500,257, Mar. 14.

Mahan, John E.: *See*—
Schulze, Walter A., and Mahan.

Mahan, John E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Production of nitriles. 2,500,256, Mar. 14.

Mahan, John E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Production of pyridine derivative. 2,512,660, June 27.

Mahan, John E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Production of alkyl pyridines. 2,523,580, Sept. 26.

Mahan, John E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Production of nitriles. 2,525,818, Oct. 17.

Mahan, John E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Production of pyridine derivatives. 2,534,285, Dec. 19.

Mahan, John E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Acetonitrile production. 2,535,082, Dec. 26.

Maher, Charles H., Washington, D. C. Usher's flashlight. 2,500,464, Mar. 14.

Maher, William W., San Francisco, Calif., assignor to American Can Company, New York, N. Y. Can-testing heads with can-shifting fingers. 2,527,560, Oct. 31.

Maheu, Joseph L., Hartford, Conn. Spring unraveler. 2,527,751, Oct. 31.

Mahin, William E.: *See*—
Haworth, Roy D., Jr., and Mahin.

Mahler, Fred H., assignee: *See*—
Gibson, Frederic H.

Mahler, George T.: *See*—
Handwerk, Erwin C., and Mahler.

Mahler, George T., Palmerton, and E. C. Handwerk, Lehighton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y. Condensing zinc vapor. 2,494,552, Jan. 17.

Mahler, Joseph, Brookline, assignor to American Optical Company, Southbridge, Mass. Apparatus for stretching sheet material. 2,515,830, July 18.

Mahler, Robert R.: *See*—
Smythe, Robert L., Mahler, and Behlmer.

Mahnke, Kurt: *See*—
Schaelchlin, Walter and Mahnke.

Mahnke, Kurt, Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric winch. 2,498,286, Feb. 21.

Mahnke, Kurt, Pittsburgh, Pa., and E. B. Ankenman, Olathe, Kans., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric winch control system. 2,493,005, Jan. 3.

Mahnke, Kurt, Alden, and J. W. York, Williamsville, N. Y., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Multispeed alternating-current drive for winches. 2,508,180, May 16.

Mahoney, Donald G.: *See*—
Daily, Robert A., Hindall, Mahoney, Miller, and Bish.

Mahoney, John D., Newton, Mass. Drinking glass having a movable figure. 2,510,237, June 6.

Mahoney, John J., Jr., Lynbrook, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Broad band attenuator. 2,511,645, June 13.

Mahoney, Thomas P., assignee: *See*—
Schmidt, Howard F., Gerlach, and Squiers.

Mahoney, William E., Pawtucket, R. I., assignor to Premier Thread Company. Thread winding machine. 2,535,984, Dec. 26.

Mahring, Charles G., Black Lick, Ohio. Safety device for motor vehicles. 2,522,129, Sept. 12.

Maico Company, Incorporated, The, assignee: *See*—
Born, Elroy W.

Maiden Form Brassiere Co., Inc., assignee: *See*—
Rosenthal, William, and Silvani.

Maienshein, John F., Parkville, Md., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control instrument. 2,494,135, Jan. 10.
Maier, August R., Dallas, Tex., assignor to Oil Well Supply Company. Traveling block. 2,511,729, June 13.
Maier, August R., Oil City, Pa., assignor to Oil Well Supply Company. Power input control for well-drilling hoists. 2,502,969, Apr. 4.
Maier, August R., Oil City, Pa., assignor to Oil Well Supply Company. Master bushing for rotary oil well drilling machines. 2,533,597, Dec. 12.
Maier, August R., Oil City, and W. J. Redman, Pittsburgh, Pa., assignors to Oil Well Supply Company. Lubricating means for crosshead pins. 2,497,089, Feb. 14.
Maier, August R., and C. L. Mohnkern, Oil City, Pa., assignors to Oil Well Supply Company. Slush pump valve cover. 2,527,949, Oct. 31.
Maier, Betty, New York, N. Y. Combination book cover and handbag or wallet. 2,523,129, Sept. 19.
Maier, Charles G., Los Altos, assignor to Bennett Preble, Santa Rosa, Calif. Alkaline roasting of an acidic oxide ore. 2,501,952, Mar. 28.
Maier, Franz J., Bethesda, Md. Water purification. 2,531,451, Nov. 28.
Maier, Robert E., Upper Montclair, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Cellular plastic products and making. 2,512,463, June 20.
Mailand, Harry, Bronx, N. Y. Earring. 2,502,386, Mar. 28.
Maillard, Bernard, assignor to "Brevets Aero-Mecaniques" S. A., Geneva, Switzerland. Gas piston operated firearm. 2,494,889, Jan. 17.
Maillard, Bernard, assignor to Society: "Brevets Aero-Mecaniques" S. A., Geneva, Switzerland. Gas piston operated breechblock lock. 2,501,069, Mar. 21.
Maillard, Bernard, Geneva, Switzerland, assignor to Brevets Aero-Mecaniques S. A. Ammunition charging device for automatic arms. 2,503,116, Apr. 4.
Maillard, Bernard, assignor to Society "Brevets Aero-Mecaniques" S. A., Geneva, Switzerland. Pivoted breech bolt lock. 2,522,628, Sept. 19.
Maillat, Gustave E., Seine-et-Oise, assignor to Electricite de France, Paris, France. Standard electric meter provided with portable stroboscopic device. 2,532,416, Dec. 5.
Main, Benjamin A., Jr: *See*—
Brandau, Marvin W., and Main.
Main, Robert C., Los Angeles, Calif., assignor to Robertshaw-Fulton Controls Company. Temperature control apparatus. 2,519,266, Aug. 15.
Maine, James F., assignor to The Consolidated Iron-Steel Mfg. Co., Cleveland, Ohio. Core molding machine. 2,502,467, Apr. 4.
Maine, Leonard L.: *See*—
Pease, Lester J., and Maine.
Mains, Marshall P., Yardley, Pa. Gastrointestinal tube. 2,498,692, Feb. 28.
Mains, Samuel O.: *See*—
Eickmeyer, Earl E., and Mains.
Maiorca, Salvatore, Turin, Italy. Wheels with resiliently suspended rim. 2,528,156, Oct. 31.
Maisel, Florence, Colts Neck, N. J. Steering means for manually propelled devices. 2,530,886, Nov. 21.
Maitland, Angus C. M., and E. D. Bannister, assignors to Westland Aircraft Limited, Yeovil, England. Pressure release valve. 2,523,036, Sept. 19.
Maitzen, Alfonse G., deceased, Park Ridge, Ill.; W. and R. Maitzen and J. Maag, executors of A. G. Maitzen, assignors to W. and R. Maitzen and J. Maag, as trustees. Centrifugal extractor cover. 2,534,286, Dec. 19.
Maitzen, Richard, assignee, trustee and executor: *See*—Maitzen, Alfonse G.
Maitzen, Winonah, assignee, trustee and executor: *See*—Maitzen, Alfonse G.
Maizlish, Benjamin and B. L., Baltimore, Md. Geographical multiple dial watch. 2,535,543, Dec. 26.
Maizlish, Bernard L.: *See*—
Maizlish, Benjamin and B. L.
Majer, John R.: *See*—
Kendall, John D., Wood, and Majer.
Majeska, Walter A.: *See*—
Marquardt, Otto M., and Majeska.
Majestic Manufacturing Company, assignee: *See*—
Jones, Edwin A.
Jones, Edwin A., and Gardiner.
Majestic Shoulder Pad Corp., assignee: *See*—
Lopato, Harold.
Majestic Specialties, Inc., assignee: *See*—
Thurston, Aurora E.
Majewski, Frank M., assignor to Rohm & Haas Company, Philadelphia, Pa. Aminophenols as stabilizers for diphenyl polyhaloethane emulsions. 2,503,915, Apr. 11.
Majkrzak, Charles P., South Orange, assignor to Orange Screen Company, Maplewood, N. J. Safety guard screen. 2,523,383, Sept. 26.
Majneri, Ludwig A., Grosse Pointe, assignor to The Warner Aircraft Corporation, Detroit, Mich. Valve assembly. 2,500,555, Mar. 14.
Majneri, Ludwig A., Grosse Pointe, assignor to The Warner Aircraft Corporation, Detroit, Mich. Brake release valve. 2,504,859, Apr. 18.
Majneri, Ludwig A., Grosse Pointe, assignor to The Warner Aircraft Corporation, Detroit, Mich. Hydraulic valve. 2,505,195, Apr. 25.
Majneri, Ludwig A., Grosse Pointe, assignor to The Warner Aircraft Corporation, Detroit, Mich. Nonaccumulating pressure control unit for brake systems. 2,516,229, July 25.
Majneri, Ludwig A., Grosse Pointe, Mich. Ski binding. 2,517,795, Aug. 8.
Majneri, Ludwig A., Grosse Pointe, assignor to The Warner Aircraft Corporation, Detroit, Mich. Compensator for independent fluid pressure systems. 2,526,570, Oct. 17.
Major, John, assignee: *See*—
Duester, Hans J.
Major, William A., Peoria, Ill. Storing and feeding structure for stock. 2,520,555, Aug. 29.
Mak, Gerrit: *See*—
Storm, Andre W., and Mak.
Mak, Gerrit, Sydney, New South Wales, Australia, assignor to Hartford National Bank & Trust Company, Hartford, Conn., as trustee. Frequency-modulation demodulator. 2,520,419, Aug. 29.
Makall Corporation, assignee: *See*—
Fey, Albert.
Makdon, Inc., assignee: *See*—
Lang, Jack.
Maken, John, and J. A. Lennox, Pittsburgh, Pa. Hand remover for clocks and instruments. 2,510,706, June 6.
Makenny, William: *See*—
Whitmore, James B., Newcombe, and Makenny.
Makenny, William, Mountain View, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Base pin feed. 2,502,227, Mar. 28.
Makenny, William, Mountain View, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Base shell and feed therefor. 2,515,881, July 18.
Makepeace, D. E., Company, assignee: *See*—
Mittendorf, William F.
Makibbin, William C., New Bloomfield, Pa. Vending machine. 2,529,222, Nov. 7.
Makower, Benjamin: *See*—
Burr, Horace K., and Makower.
Makowski, Clement A., assignee: *See*—
O'Connell, Donald J.
Makowsky, J., Corporation, assignee: *See*—
Van Rosen, Robert.
Malachowski, Joseph J., Buffalo, N. Y. Tool for the fitting of tires to the rims of the wheels of motor vehicles. 2,521,383, Sept. 5.
Malamut, Tessie, Brooklyn, N. Y. Baby moistureproof diaper protector. 2,493,492, Jan. 3.
Malberg, Joseph E., Cleveland, Ohio. Shoe disinfectant device. 2,510,315, June 6.
Malchair, Armand: *See*—
Bodinaux, Gaston, and Malchair.
Malchus, Johannes A. C., Amsterdam, Netherlands. Lap wound armature and winding it. 2,503,752, Apr. 11.
Malcolm, David L., Jr., Glen Rock, assignor to The Linen Thread Co., Inc., Paterson, N. J. Sports net support. 2,518,702, Aug. 15.
Malcolm, Vincent T., assignor to The Chapman Valve Manufacturing Co., Indian Orchard, Mass. Seal for spindles of vacuum valves. 2,493,152, Jan. 3.
Malcolm, Vincent T., assignor to The Chapman Valve Manufacturing Company, Indian Orchard, Mass. Metal alloy. 2,523,838, Sept. 26.
Malcom, Robert L., Chicago, Ill., assignor to Chicago Eye Shield Company. Goggles. 2,503,117, Apr. 4.
Malcom, Robert L., Indianapolis, Ind., assignor to Radio Corporation of America. System and method of compensating for film characteristics in photographic sound recording. 2,510,592, June 6.
Malcom, Robert L., Park Ridge, Ill., assignor to Chicago Eye Shield Company. Goggle assembly. 2,502,162, Mar. 28.
Maldonado, Joseph, assignor to Bert N. Morris Co., Los Angeles, Calif. Telephone hand piece shoulder support. 2,525,699, Oct. 10.
Maldonado, Juvencio, New York, N. Y. Form for frying tortillas to make fried tacos. 2,506,305, May 2.
Male, Henry: *See*—
Martin, Aaron, Male, and Collins.
Male, John F., Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Fuel pump for engines. 2,513,883, July 4.
Malecek, Stanley J., Morton, Minn. Grain drier. 2,529,953, Nov. 14.
Malek, Sidney K., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Thermopile construction. 2,530,254, Nov. 14.
Malek, Sidney K., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Thermoelectric generator. 2,530,255, Nov. 14.
Malek, Sidney K., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Thermoelectric generator. 2,530,256, Nov. 14.
Malen, Jarly C., U. S. Navy. Automatic pilot. 2,504,139, Apr. 18.
Malewski, Adam, Philadelphia, Pa. Safety razor blade sharpener. 2,528,894, Nov. 7.
Maleyre, Louis R., Bordeaux, France. Thermochemical method of branding blank steel bands or wires. 2,530,436, Nov. 21.

Malherbe, Benjamin F.: *See*—
Oliver, Edward M., and Malherbe.

Malhiot, Eugene L., Maywood, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Assembling slip multiple terminal banks. 2,496,949, Feb. 7.

Malhiot, Eugene L., Maywood, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Terminal for electrical conductors. 2,501,870, Mar. 28.

Malhiot, Eugene L., Maywood, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Automatic spraying apparatus. 2,518,038, Aug. 8.

Malhiot, Eugene L., Maywood, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Semiautomatic apparatus for spraying oil on articles. 2,518,559, Aug. 15.

Malhiot, Eugene L., Maywood, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Bank compressing apparatus. 2,526,378, Oct. 17.

Mali, Harry E., Bonita Springs, Fla., and W. S. Reier, Maywood, Ill. Garment hanger. 2,500,641, Mar. 14.

Maline, Charles, Linden, N. J. Desk calendar pad. 2,505,417, Apr. 25.

Malinowski, Theodore P., Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Oil soluble resins. 2,517,222, Aug. 1.

Malke, Sven, assignor to A. O. Smith Corporation, Milwaukee, Wis. Mechanical unloading agitator for silos and the like. 2,532,238, Nov. 28.

Malkemus, John D.: *See*—
Clark, John R., and Malkemus.
Ross, John, and Malkemus.

Malkemus, John D., Allendale, and J. Ross, Ramsey, assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J. Di-N-substituted piperazine derivatives and preparing same. 2,508,653, May 23.

Malki, Moises, B. Matzkin, and A. L. Goldman, Buenos Aires, Argentina. Flashlight for rechargeable batteries. 2,518,039, Aug. 8.

Malkin, Bernard A., assignor to Dominion Engineering Works Limited, Lachine, Quebec, Canada. Paper machine drier. 2,521,735, Sept. 12.

Mall, Arthur W., Flossmoor, assignor to Mall Tool Company, Chicago, Ill. Pneumatic sanding wheel. 2,505,680, Apr. 25.

Mall Tool Company, assignee: *See*—
Gorden, Walter L.
Mall, Arthur W.

Mallach, Joseph W., Lime Rock, assignor to Budds Aero Castings, Incorporated, Canaan, Conn. Casting. 2,500,556, Mar. 14.

Mallard, Logan L., assignor of one-half to H. C. Hofheimer, II, Norfolk, Va. Ice cube tray. 2,532,113, Nov. 28.

Mallard, Robert G.: *See*—
Ashton, Everett H., Mastriani, and Mallard.
Kielczewski, Edward L., and Mallard.
Rinne, John, Ashton, Mallard, and Kielczewski.
Rinne, John, Ashton, Mallard, and Lake.
Rinne, John, and Mallard.

Mallard, Robert G., New York, N. Y., and E. H. Ashton, Jersey City, assignors, by mesne assignments, to Steel and Alloy Tank Company, Newark, N. J. Loom frame. 2,533,128, Dec. 5.

Mallet, Fred J., New York, N. Y. Cigarette package holder. 2,532,927, Dec. 5.

Mallett, John D.: *See*—
Mieher, Walter W., and Mallett.

Mallett, John D., and J. H. Gamble, Garden City, N. Y., assignors to The Sperry Corporation. Ultra high frequency coupling. 2,526,678, Oct. 24.

Malley, Raymond B., Studio City, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind. Follow-up mechanism. 2,497,617, Feb. 14.

Mallinckrodt Chemical Works, assignee: *See*—
Homeyer, August H., and Caughlan.
Whitmore, Frank C., and Homeyer.

Mallinson, Frank C., Alexandria, Va. Radio transmitting system. 2,505,781, May 2.

Mallman, Estelle: *See*—
Hopp, Leo, and Mallman.

Mallory, Edwin E., Cuyahoga Falls, and J. W. White, Wadsworth, assignors to National Rubber Machinery Company, Akron, Ohio. Bead setting and underply flaring device. 2,500,193, Mar. 14.

Mallory, Edwin E., Cuyahoga Falls, and J. W. White, Wadsworth, assignors to National Rubber Machinery Company, Akron, Ohio. Underply turndown and stitching device. 2,529,509, Nov. 14.

Mallory, Elford W., Cloquet, Minn. Combination stand. 2,498,563, Feb. 21.

Mallory, George C.: *See*—
Mattingly, Virdean R., and Mallory.

Mallory, Marion, assignor to The Mallory Research Company, Detroit, Mich. Internal-combustion engine. 2,494,890, Jan. 17.

Mallory, Marion, Detroit, Mich. Control mechanism for variable-speed transmissions. 2,499,071, Feb. 28.

Mallory, Marion, Detroit, Mich. Ignition timing control means for internal-combustion engines. 2,503,753, Apr. 11.

Mallory, Marion, Detroit, Mich. Governor. 2,505,202, Apr. 25.

Mallory, Marion, assignor to The Mallory Research Company, Detroit, Mich. Combined carburetor and degasser. 2,506,511, May 2.

Mallory, Marion, assignor to The Mallory Research Company, Detroit, Mich. Intake control for internal-combustion engines. 2,506,512, May 2.

Mallory, Marion, Detroit, Mich. Fuel control system for injection type internal-combustion engines. 2,507,415, May 9.

Mallory, Marion, Detroit, Mich. Jet engine including reciprocating pressure gas generator. 2,512,254, June 20.

Mallory, Marion, Detroit, Mich. Throttle control for a plurality of engines. 2,521,299, Sept. 5.

Mallory, Marion, Detroit, Mich. Speed responsive valve. 2,521,736, Sept. 12.

Mallory, Marion, Detroit, Mich. Internal-combustion engine. 2,522,456, Sept. 12.

Mallory, Marion, assignor to The Mallory Research Company, Detroit, Mich. Ignition timing control for internal-combustion engines. 2,532,069, Nov. 28.

Mallory, Ora A., Akron, assignor to National Gypsum Company, Buffalo, N. Y. Self-cleaning mixer gate. 2,512,163, June 20.

Mallory, P. R., & Co., Inc., assignee: *See*—
Aust, Robert J.
Aust, Robert J., and Huetten.
Butler, Edward W.
Carpenter, Glenn W.
Fagen, William F.
French, Benedict V. K.
Frey, Cleon F., Jr.
Frey, Cleon F., Jr., and Aust.
Friedman, Maurice.
Hadley, Oscar V., and Schwarzenbach.
Hensel, Franz R., and Larsen.
Hensel, Franz R., Larsen, and Holt.
Hensel, Franz R., and Sparkes.
Holt, Edman F.
Huetten, Clarence, and Raiter.
Oles, Herbert E.
Puerner, George O.
Rhodes, Howard E.

Mallory Research Company, The, assignee: *See*—
Mallory, Marion.

Malloy, Frank J., Pittsburgh, Pa. Swing mounting. 2,514,713, July 11.

Malm, Anders E., assignor to Aktiebolaget Kanthal, Hallstahammar, Sweden. Electric furnace resistor support. 2,510,507, June 6.

Malm, Carl J.: *See*—
Hincke, William B., and Malm.

Malm, John G., and C. A. Hutchison, Jr., Chicago, Ill., assignors to the United States of America as represented by the United States Atomic Energy Commission. Purifying beryllium oxide. 2,531,143, Nov. 21.

Malme, Elmer K., assignor to Guard-It Manufacturing Co., Chicago, Ill. Pasteurizer. 2,513,577, July 4.

Malme, Hugo E., Linden, N. J. Filter attachment for radiators. 2,493,257, Jan. 3.

Malmquist, Nils G. A., assignor to Svenska Aktiebolaget Bromsregulator, Malmo, Sweden. Resilient wheel body. 2,511,279, June 13.

Malmquist, Nils G. A., assignor to Svenska Aktiebolaget Bromsregulator, Malmo, Sweden. Resilient connection. 2,534,981, Dec. 19.

Malmqvist, Johan D.: *See*—
Lindblad, Axel R., Malmqvist, and Gustafsson.

Malmqvist, Johan D., Boliden, and G. V. A. Gustafsson, Hoglandstorget, and S. S. T. Werner, Akeslund, assignors to Bolidens Gruvaktiebolag, Skelleftehamn, Sweden. Voltage phase control circuit. 2,532,368, Dec. 5.

Malmros, Gustav V. A., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Joggle plate. 2,506,463, May 2.

Malmsten, Philip C., assignor to A. O. Smith Corporation, Milwaukee, Wis. Stoker, including gas feedback prevention means. 2,535,939, Dec. 26.

Malo, John, Chicago, Ill. Dart game. 2,527,683, Oct. 31.

Maloff, Ioury G., Camden, N. J., assignor to Radio Corporation of America. Rear projection viewing screen. 2,529,701, Nov. 14.

Malone, Herbert E.: *See*—
Bain, Lewis A., Jr., and Malone.

Malone, Walter F., Longview, Wash. Covered dustpan. 2,496,735, Feb. 7.

Maloney, John H., Waterbury, Conn., and R. E. Baker, New York, N. Y., assignors to Wheeler Insulated Wire Co. Incorporated, Bridgeport, Conn. Calling unit. 2,523,769, Sept. 26.

Maloney, William T., Clinton, N. Y. Manufacture of precipitated silica. 2,496,736, Feb. 7.

Malott, Clifton S., Jr., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Adjustable apron for folding machines. 2,506,803, May 9.

Malott, Clifton S., Jr., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. By-pass mechanism for folding machines. 2,510,185, June 6.

Malouf, Abraham M., Burbank, Calif. Pliers. 2,531,522, Nov. 28.

Maloy, Sarah C., Knoxville, Tenn. Heel protector. 2,523,221, Sept. 19.

Malpas, Warren F., Roselle Park, N. J. Rotary music holder. 2,518,157, Aug. 8.
Malsbary, Job F., assignor to Malsbary Manufacturing Company, Oakland, Calif. Blowdown method for a coil-type cleaning machine. 2,530,710, Nov. 21.
Malsbary Manufacturing Company, assignee: *See*—
Malsbary, Job F.
Maltbie Laboratories, Inc., assignee: *See*—
Walter, Lewis A.
Walter, Lewis A., and Barry.
Maltby, Frederick L., Naugatuck, assignor to The Bristol Company, Waterbury, Conn. Constant voltage thermoelectric generating apparatus. 2,528,377, Oct. 31.
Malter, Louis, Princeton, N. J., assignor to Radio Corporation of America. Geiger-Müller counter for radioactive emission. 2,502,331, Mar. 28.
Malvese, George P.: *See*—
Bickerton, Jack M., and Malvese.
Malvicini, George J., Newark, N. J., assignor to Brickmaster, Inc., New York, N. Y. Article transfer mechanism for pallet conveyers. 2,501,473, Mar. 21.
Malvin, Elmer C., Cumberland, assignor of twenty-five per cent to F. E. Wilson, and twenty-five per cent to C. L. Wilson, Zanesville, Ohio. Safety switch for hydraulic brakes. 2,535,940, Dec. 26.
Maly, James E., assignor of one-half to F. G. Voldrich, Cleveland, Ohio. Combined bird feeding receptacle and perch. 2,531,915, Nov. 28.
Mamaroneck Chemical Corporation, assignee: *See*—
Treacy, Cyril S.
Mamaux, Harry O., assignor to Pittsburgh Waterproof Company, Pittsburgh, Pa. Pad for ironer rolls. 2,498,499, Feb. 21.
Manaseri, Charles, Sherrill, assignor to Oneida Ltd., Oneida, N. Y. Apparatus for moving articles. 2,532,849, Dec. 5.
Manaster, Ben B., Chicago, Ill. Combination necktie rack and storage container. 2,511,280, June 13.
Manchester Hosiery Mills, assignee: *See*—
Wilcher, Abrasha, and Gordon.
Mancino, Christy, Youngstown, Ohio, assignor to Carnegie-Illinois Steel Corporation. Flask or test tube holder. 2,515,523, July 18.
Manco Mfg. Co., assignee: *See*—
Northcutt, Walter E.
Mandel, Louis, Chicago, Ill. Camera having rotatable lens and mirror turret. 2,518,347, Aug. 8.
Mandelko, August W., and M. A. Mandelko, Fort Dodge, Iowa. Railway car jack. 2,494,099, Jan. 10.
Mandelko, Melvin A.: *See*—
Mandelko, August W., and M. A.
Sells, Lyle M., and Mandelko.
Manderfeld, Emanuel C.: *See*—
Mitchell, George A., and Manderfeld.
Mandl, Arthur, Sheffield, England, assignor, by mesne assignments, to General Electric Company. Electrical systems. 2,501,528, Mar. 21.
Mandl, Ines: *See*—
Neuberg, Carl, and Mandl.
Mandl, Siegmund: *See*—
Pfauser, Edward M., and Mandl.
Mandl, Siegmund, assignor to Blackhawk Mfg. Co., Milwaukee, Wis. Rotary-reciprocating motion converter. 2,525,922, Oct. 17.
Mandl, Siegmund, Milwaukee, and E. M. Pfauser, Elm Grove, assignors to Blackhawk Mfg. Co., Milwaukee, Wis. Portable impact tool assemblage. 2,499,962, Mar. 7.
Mandl, Siegmund, Milwaukee, and E. M. Pfauser, Elm Grove, assignors to Blackhawk Mfg. Co., Milwaukee, Wis. Axially engaging positive clutch. 2,530,887, Nov. 21.
Mandolf, Henry I., and H. R. Chapin, San Diego, Calif., assignors to Langley Corporation. Fishing reel. 2,518,482, Aug. 15.
Maness, Harvey D., Dearborn, Mich. Spray head for lawn sprinkler systems. 2,527,950, Oct. 31.
Maney, George A., Skokie, Ill. Aerial navigation system. 2,529,619, Nov. 14.
Manfred, Victor, New York, N. Y. Lady's necktie. 2,523,130, Sept. 19.
Mangan, Joseph B., Wethersfield, Conn. Lawn mower attachment for eradicating weeds. 2,503,057, Apr. 4.
Mangels, Erwin G., Davenport, Iowa. Car truck stabilizer. 2,514,776, July 11.
Mangiaracina, George, Bloomfield, N. J. Sewing machine guard and spool support. 2,527,192, Oct. 24.
Mangrum Holbrook and Elkus, assignee: *See*—
Pledger, William A.
Manhartsberger, Albert, assignor to Specialties Development Corporation, Bloomfield, N. J. Valve control means. 2,499,402, Mar. 7.
Manhartsberger, Albert, assignor to Specialties Development Corporation, Bloomfield, N. J. Valve operating means. 2,516,131, July 25.
Manhattan Shirt Company, The, assignee: *See*—
Bishop, John E., and Williams.
Manheimer, Jac. R.: *See*—
Cremer, Frits, Steinitz, and Manheimer.
Manierre, George, Milwaukee, Wis. Sectional support for portable conveyers. 2,525,555, Oct. 10.
Manis, George E., Huntington, Ind. Mixing and volume control valve for hot and cold water. 2,503,881, Apr. 11.
Manista, Alexander: *See*—
Pareti, Lawrence Tony, and Manista.
Manitowoc Shipbuilding Company, assignee: *See*—
Dedricks, Alvin N.
Vinton, William R.
Winborn, Byron R., Jr.
Manke, Arthur G., Syracuse, N. Y., assignor to General Electric Company. Multifrequency oscillation generating system. 2,494,345, Jan. 10.
Manke, Arthur G., Schenectady, and P. C. Gardiner, Scotia, N. Y., assignors to General Electric Company. Pulse receiver circuit. 2,507,211, May 9.
Mankin, Arthur H.: *See*—
Sunstein, David E., and Mankin.
Mankin, Arthur H., Philadelphia, and D. E. Sunstein, Cynwyd, assignors, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Grid-controlled electron tube. 2,535,307, Dec. 26.
Mankki, Onnie, Cleveland Heights, assignor to Designers for Industry, Inc., Cleveland, Ohio. Building construction. 2,512,029, June 20.
Mankki, Onnie, Cleveland Heights, assignor to Designers for Industry, Inc., Cleveland, Ohio. Sectional wall cabinet. 2,520,506, Aug. 29.
Manley, John H., Urbana, Ill., assignor to the United States of America as represented by the United States Atomic Energy Commission. Coincidence proportional counter. 2,531,144, Nov. 21.
Manley, John W.: *See*—
Harnish, Edwin N., and Manley.
Manley, Robert E., Yonkers, assignor to The Texas Company, New York, N. Y. Solvent refining of light oils. 2,507,861, May 16.
Manley, Theodore M., Ann Arbor, Mich. Radio system for measuring distance by phase comparison. 2,529,510, Nov. 14.
Manley, Warren O., North Kansas City, assignor to C. E. Hovey, trustee, Kansas City, Mo. Rockable tank textile washing machine. 2,502,053, Mar. 28.
Manley, Warren O., North Kansas City, assignor to C. E. Hovey, trustee, Kansas City, Mo. Washing machine. 2,519,060, Aug. 15.
Manly Corporation, assignee: *See*—
Kendrick, Charles M.
Manly, Homer D., Savannah, Ga. Stop sign. 2,519,145, Aug. 15.
Manly, Lorraine L., Staunton, Va. Hydraulic valve operating mechanism. 2,522,185, Sept. 12.
Mann, Alexander R., Montreal, Quebec, Canada. Rodent trap. 2,498,169, Feb. 21.
Mann, Beatrice A., administratrix: *See*—
Mann, Seward W.
Mann, Carl P., Riverton, N. J., assignor to Selas Corporation of America, Philadelphia, Pa. Producing investment molds. 2,496,170, Jan. 31.
Mann, Carl P., Riverton, N. J., assignor to Selas Corporation of America, Philadelphia, Pa. Apparatus for producing investment molds. 2,518,040, Aug. 8.
Mann, Cecil E., Pontiac, Mich. Mechanical duck. 2,534,609, Dec. 19.
Mann, Fredric R., trustee, assignee: *See*—
Apgar, Charles W.
Mann, Harry, Chicago, Ill. Skirt hemline marking device. 2,528,443, Oct. 31.
Mann, James E.: *See*—
Covington, Charles W., and Mann.
Mann, James U., Kearny, N. J., assignor to United States Rubber Company, New York, N. Y. Manufacture of sponge rubber. 2,512,464, June 20.
Mann, Julius W., and G. F. Russell, Tacoma, Wash. Single standing wave radio circuit. 2,506,158, May 2.
Mann, Max, New York, N. Y. Hand stamp. 2,513,419, July 4.
Mann, Oliver: *See*—
Quinn, Gerald S., and Mann.
Mann, Robert L., Oak Park, Ill. Support. 2,514,134, July 4.
Mann, Seward W., deceased, Pittsburgh, Pa., by B. A. Mann, administratrix. Sawing machine for block trimming. 2,512,164, June 20.
Mann, Warren W., Ann Arbor, Mich. Container filling machine with pedal operated vertically swingable hopper and vertically reciprocable plunger carrying rotatable tamping fingers. 2,522,884, Sept. 19.
Mann, William, Grosse Pointe, Mich., assignor to The Budd Company, Philadelphia, Pa. Shoe mounting for brake assemblies. 2,504,712, Apr. 18.
Mann, William H., and E. V. Schmidt, assignors to Hossfeld Manufacturing Company, Winona, Minn. Device for bending sheet metal into cylindrical shapes. 2,505,293, Apr. 25.
Manna, Louis: *See*—
Stark, William H., and Manna.
Mannal, Clifford, Lee, Mass., assignor to General Electric Company. Sound absorption. 2,494,343, Jan. 10.
Manne Moe, New York, N. Y. Coupling device for finger rings. 2,522,954, Sept. 19.
Manney, Charles J., Kenmore, assignor to Columbus McKinnon Chain Corporation, Tonawanda, N. Y. Hoist. 2,535,985, Dec. 26.
Mannhart, Emil: *See*—
Straub, Fritz, Hanhart, and Mannhart.
Widmer, Willy, and Mannhart.
Widmer, Willy, Heckendorn, and Mannhart.

Mannheim, Louis R., Edgewood, R. I., assignor to Morse Boulger Destructor Company. Chemical feed pump mechanism. 2,494,344, Jan. 10.
Mannheimer, Hans S., New York, N. Y., assignor to J. J. McCabe, Jr., and H. S. Mannheimer, as joint venturers. Metal salts of substituted quaternary hydroxy cycloimidinic acid metal alcoholates and preparation of same. 2,528,378, Oct. 31.
Mannheimer, Hans S., New York, N. Y., assignor to J. J. McCabe, Jr., and H. S. Mannheimer, as joint venturers. Cycloimidine derivatives and preparing them. 2,528,379, Oct. 31.
Mannheimer, Hans S., New York, N. Y., assignor to J. J. McCabe, Jr., and H. S. Mannheimer, as joint venturers. Cycloimidine derivatives and preparing them. 2,528,380, Oct. 31.
Manning, Charles S., U. S. Navy. Simulated panorama viewer. 2,493,770, Jan. 10.
Manning, Dana C.: *See*—
Gould, Howard S., Beck, and Manning.
Manning, Earl, Jr., Houston, Tex., assignor to Shell Development Company, San Francisco, Calif. Refining hydrocarbons. 2,508,038, May 16.
Manning, Edgar, Farham, England, assignor to Power Jets (Research and Development) Limited, London, England. Apparatus for testing engines. 2,498,995, Feb. 28.
Manning, Everett M., Washington, D. C. Flowerpot saucer. 2,504,031, Apr. 11.
Manning, Fred W., Palo Alto, Calif. Spinning gun for the production of filaments. 2,522,526, Sept. 19.
Manning, Fred W., Palo Alto, Calif. Spinning gun for the production of filaments and making nonwoven fabrics. 2,522,527, Sept. 19.
Manning, George K., P. C. Rosenthal and G. P. Krumlauf assignors to Battelle Memorial Institute, Columbus, Ohio. Carburizing. 2,525,700, Oct. 10.
Manning, James, Prestwich, England. Loom with stationary weft supply. 2,502,735, Apr. 4.
Manning, John R., Kimball, Nebr., assignor of one-half to Sue M. Winston, Roswell, N. Mex. Wheel structure. 2,516,896, Aug. 1.
Manning, Maxwell & Moore, Inc., assignee: *See*—
Allen, Earle F., and Burrows.
Holdeman, Lloyd H.
Moore, George E.
Schramm, Christopher H., and Holdeman.
Schramm, Christopher H., and Smith.
Smith, Ralph E.
Workman, Lawrence H.
Manning, Paul D. V., Glencoe, Ill., assignor to International Minerals & Chemical Corporation. Protein hydrolysis and recovery of glutamic acid. 2,505,129, Apr. 25.
Manning, Robert B., Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical device. 2,502,970, Apr. 4.
Mannix, Richard L., Detroit, assignor to Dri-air Products Company, Plymouth, Mich. Knockdown bag or similar article support. 2,503,118, Apr. 4.
Mannon, Lloyd, San Francisco, Calif. Automatic fire and change-over dowser. 2,494,187, Jan. 10.
Mannon, Lloyd, San Francisco, Calif. Film controlled automatic safety shutter for moving picture projectors. 2,512,030, June 20.
Mannon, Lloyd, San Francisco, Calif. Silent electric switch. 2,531,452, Nov. 28.
Manolopulos, Eugene P., Ypsilanti, Mich. Locking safety pin. 2,519,915, Aug. 22.
Manrein Corp., assignee: *See*—
Altman, Bernard, and Stiller.
Manseau, David O., Berkley, Mich. Nutating axis rotary compressor. 2,496,668, Feb. 7.
Man-Sew Corporation, assignee: *See*—
Sigoda, Victor J.
Mansfield, Duncan, Los Angeles, Calif. Camouflaged syringe container. 2,515,413, July 18.
Mansfield, George H., Akron, Ohio. Hack saw or the like. 2,532,506, Dec. 5.
Mansfield, Samuel A., and C. E. Bishop, Narrows, Va., assignors to Celanese Corporation of America. Finishing process for spinning jets. 2,496,299, Feb. 7.
Mansfield, Samuel A., Narrows, Va., D. Taylor, Princeton, W. Va., and B. I. Smith, Pembroke, Va., assignors to Celanese Corporation of America. Doffing mechanism. 2,511,928, June 20.
Mansfield Sanitary Pottery, Inc., assignee: *See*—
Smith, Harry F.
Smith, Harry F., and Fulton.
Wilson, Theodore C.
Mansfield, Warren M., Glendale, assignor to T. L. Linthicum, Los Angeles, Calif. Rug display device. 2,526,823, Oct. 24.
Manske, Richard H. F., Guelph, Ontario, Canada, E. B. Trickey, Easton, Pa., and G. S. Myers, Guelph, Ontario, Canada, assignors to United States Rubber Company, New York, N. Y. Recovery of chlorobenzene. 2,511,166, June 13.

Manske, Richard H. F., Guelph, Ontario, Canada, E. B. Trickey, Easton, Pa., and G. S. Myers, Guelph, Ontario, Canada, assignors to United States Rubber Company, New York, N. Y. Recovery of chlorobenzene. 2,511,167, June 13.
Manson, Frank G., Chicago, Ill. Self-locking snap hook. 2,514,656, July 11.
Manspeaker, Edward L., Turtle Creek, Pa. Wrench with self-adjusting jaws. 2,531,285, Nov. 21.
Mansted, Svend A. J., Hellerup, near Copenhagen, Denmark. Compressor. 2,535,308, Dec. 26.
Mansur, Darrell C., Newberry, Calif. Field sprinkling apparatus. 2,516,711, July 25.
Mantelet, Jean, Bagnolet, France, assignor, by mesne assignments, to Le Moulin-Legumes Corporation, Wilmington, Del. Kitchen grater with grating drum. 2,502,867, Apr. 4.
Mantelet, Jean, Bagnolet, France, assignor, by mesne assignments, to Le Moulin-Legumes Corporation, Wilmington, Del. Household grater having rotary disk. 2,528,381, Oct. 31.
Mantell, Charles L., Manhasset, N. Y., assignor to Reduction and Refining Company, Newark, N. J. Production of chemically pure cobalt metal. 2,506,159, May 2.
Mantell, Charles L., Manhasset, N. Y., assignor to United Merchants and Manufacturers, Inc., Wilmington, Del. Dissolution of regenerated cellulose with urea-alkali-stannate solvent. 2,533,598, Dec. 12.
Mantell, Charles L., Manhasset, and O. K. Heim, Woodside, N. Y., assignors to United Merchants & Manufacturers, Inc., Wilmington, Del. Caustic stannate-urea treatment of cotton fabrics. 2,527,140, Oct. 24.
Mantell, Charles L., Manhasset, and O. K. Heim, Woodside, N. Y., assignors to United Merchants & Manufacturers, Inc., Wilmington, Del. Treatment of cotton fabrics with urea-alkali-zincate solution. 2,527,141, Oct. 24.
Mantell, Charles L., Manhasset, and T. J. Dabrowski, Kew Gardens, N. Y., assignors to United Merchants & Manufacturers, Inc., Wilmington, Del. Treatment of regenerated cellulose fabrics with urea-alkali-zincate solution. 2,527,142, Oct. 24.
Mantell, Charles L., Manhasset, and T. J. Dabrowski, Kew Gardens, N. Y., assignors to United Merchants & Manufacturers, Inc., Wilmington, Del. Treatment of regenerated cellulose fabrics with urea-alkali-stannate solution. 2,527,143, Oct. 24.
Mantell, Russell M., Newark, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Preparation of internally oxidized catalysts. 2,517,223, Aug. 1.
Mantle, Burr W., Pittsford, N. Y., assignor to American Brake Shoe Company, Wilmington, Del. Valve. 2,506,306, May 2.
Mantle, Burr W., Pittsford, assignor to American Brake Shoe Company, New York, N. Y. Spray gun nozzle. 2,511,356, June 13.
Mantos, John P., Boston, Mass. Shoe construction. 2,497,175, Feb. 14.
Mantos, John P., Boston, Mass. Foot measuring device. 2,507,032, May 9.
Manty, William A.: *See*—
Spencer, William C., and Manty.
Mantz, Albert P., Hollywood, Calif. Vibration-damping camera mount. 2,506,095, May 2.
Manuel, Charles J., Durham, N. H., assignor to Moore Business Forms, Inc., Niagara Falls, N. Y. Casing structure of portable autographic registers. 2,529,302, Nov. 7.
Manuel, Glenn H., Washington, D. C., assignor of twenty-five per cent to G. R. Hull, Dauphin County, Pa. Potato cutter. 2,521,590, Sept. 5.
Manuel, Harold D., assignee: *See*—
Gill, Merle A.
Manufacture de Caoutchouc Michelin (Puiseux, Boulanger & Cie), assignee: *See*—
Bourdon, Pierre M.
Bourdon, Pierre Marcel.
Manufacture de Caoutchouc Michelin (Puiseux, Boulanger & Cie) Clermont-Ferrand, assignee: *See*—
Bourdon, Pierre M.
Manufacture de Machines du Haut-Rhin, assignee: *See*—
Cuttat, Georges E.
Cuttat, Georges Emile.
Manufacturers Machine & Tool Co., Inc., assignee: *See*—
Boecking, Ewald.
Manufacturers Trading Corporation, assignee: *See*—
Morton, William A.
Manufactures de Produits Chimiques Du Nord Etablissements Kuhlmann, assignee: *See*—
Denivelle, Léon C.
Kopp, Georges, and Gangneux.
Manvers, Anthony, Bognor Regis, England. Plug gauge. 2,524,984, Oct. 10.
Manville, Charles J., Pontiac, Mich. Dish washing apparatus. 2,508,958, May 23.
Manville, Charles T., Woodbury, and P. S. Madsen, Bethany, assignors to The Seamless Rubber Company, New Haven, Conn. Bath spray. 2,520,770, Aug. 29.
Manville, George D.: *See*—
White, John, and Manville.
Manzel, Charles W., Buffalo, N. Y. Skin beautifying implement. 2,515,524, July 18.

Manzo, Eugene: *See*—
Stearn, Franklin A., and Manzo.
Mapes Consolidated Manufacturing Company, assignee: *See*—
De Reamer, William J.
Mapes, Daniel, West Caldwell, assignor to Specialties Development Corporation, Belleville, N. J. Making receptacles. 2,518,483, Aug. 15.
Mapes, Daniel, West Caldwell, assignor to Specialties Development Corporation, Bloomfield, N. J. Liquid carbon dioxide suitable for discharge at low temperatures and filling storage containers for confining the same. 2,521,526, Sept. 5.
Mapes, Daniel, West Caldwell, W. G. Sylvester, Jersey City, and R. P. Hayes, Orange, assignors to Specialties Development Corporation, Belleville, N. J. Forming receptacles. 2,517,584, Aug. 8.
Mapes, Dwight B., Tulsa, Okla. Anchoring device for wall members and floor coverings. 2,506,030, May 2.
Maples, Richard E., Lakeville, Mich. Adjustable bushing for drill jigs. 2,497,679, Feb. 14.
Mapp, Alfred G.: *See*—
Chilman, John A., Mapp, and Morris.
Mapson, Donald L., and C. E. Buckmeyer, Los Angeles, assignors to M & D Display Manufacturing Corporation, Alhambra, Calif. Mounting for price tag moldings. 2,532,028, Nov. 28.
Maquat, Lloyd E., Easton, assignor to The Black Rock Manufacturing Company, Bridgeport, Conn. Cutting machine. 2,509,602, May 30.
Marano, Herbert W., Brooklyn, N. Y., assignor to Wilson-Jones Company, Chicago, Ill. Staple feed mechanism for fastener applying implements. 2,528,444, Oct. 31.
Marano, Leonard, Brooklyn, N. Y. Support for electric heating apparatus. 2,493,541, Jan. 3.
Marantz, Leon A., East Orange, assignor to U. S. Safety Table Corp., Hillside, N. J. Clutch and brake mechanism for sewing machines. 2,501,183, Mar. 21.
Maranz, Leo S., assignor to Freeze King Corporation, Chicago, Ill. Freezer. 2,515,722, July 18.
Maras, Steve, Jackson, Minn. Tractor hitch. 2,493,888, Jan. 10.
Marascio, Bruno J., Phillipsburg, N. J. Device to check bore diameters at preselected depths. 2,499,251, Feb. 28.
Marasco, Vincent, Los Angeles, Calif. Fruit slicer with stationary knives and reciprocating plunger. 2,513,341, July 4.
Marathon Coal Bit Company, Incorporated, assignee: *See*—
Keller, Spencer R.
Marathon Corporation, assignee: *See*—
Asmussen, Jes.
Broeren, Frank L., and Holt, Jr.
Farrell, Robert A.
Mueller, William G., Klause, and Meier.
Rafoth, Bennie A., and Wauda.
Salvesen, Jorgen R. and Browning.
Salvesen, Jorgen R., and Harmon.
Thomas, Manville.
Wauda, George E.
Marble, Clarence, Middlesex, N. Y. Telephone subscriber's individual switches operated in hunting operations on both incoming and outgoing calls to complete connections. 2,508,646, May 23.
Marble, Clarence, Middlesex, N. Y., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Automatic charge accounting system. 2,535,218, Dec. 26.
Marble, Jarvis C., trustee, assignee: *See*—
Lindhagen, Teodor I., and Boestad.
Lysholm, Alf.
Marburg, Edgar, Pittsburgh, Pa. Low alloy steel containing titanium. 2,495,854, Jan. 31.
Marbury, Fendall, Jr., Baltimore, Md. Tool spacing device. 2,527,019, Oct. 24.
Marbury, Ralph E., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Discharge indicator for capacitors. 2,516,010, July 18.
Marbury, Ralph E., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Series capacitor protection. 2,504,860, Apr. 18.
Marbury, Ralph E., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Braking system for alternating current motors. 2,512,354, June 20.
Marcalus Manufacturing Company, Inc., assignee: *See*—
Beck, Robert F.
Marcantonio, Daniel L., Westport, assignor to The Rayflex Company, Incorporated, Bridgeport, Conn. Knife sharpener. 2,495,814, Jan. 31.
Marcantonio, John A., Union, assignor to Eugene P. Reading, Inc., Roselle, N. J. Foldable boom. 2,529,454, Nov. 7.
Marceau, Pierre A., Newburyport, Mass. Creeper. 2,499,516, Mar. 7.
Marceca, Roy, Meadville, Pa. Egg cutter. 2,525,923, Oct. 17.
Marcellus, Brooks, assignor to Barber-Colman Company, Rockford, Ill. Time controlled actuator. 2,528,766, Nov. 7.
Marchak, Frank J., Austin, Tex. Temperature control for liquids. 2,502,054, Mar. 28.
Marchand, Adolph, Jackson Heights, N. Y. Automatic machine for decorating glass. 2,493,540, Jan. 3.
Marchand, Adolph, Jackson Heights, N. Y. Bathroom fixture mounting. 2,512,209, June 20.
Marchand, Jean J. M. L., assignor to N. V. Transorma Bundel-Sluit-Machine "B. S. M." The Hague, Netherlands. Bundle tying machine. 2,527,641, Oct. 31.
Marchand, Nathan, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Radio beacon system. 2,531,453, Nov. 28.
Marchant Calculating Machine Company, assignee: *See*—
Harrison, William M.
Nolde, George V.
Marchant, Francis C. I.: *See*—
Owner, Frank M., and Marchant.
Marchant, Lawrence E., Toronto, V. W. Hall, Malton, and J. O. Creek, Brampton, assignors, by mesne assignments, to Canadian Patents and Developments Limited, Ottawa, Ontario, Canada. Three-dimensional copying machine. Re. 23,263, Aug. 29.
Marchelewicz, Peter J., South Bend, Ind. Cap for grease fittings. 2,530,888, Nov. 21.
Marchell, Charles J., Torrington, Conn. Fire extinguisher. 2,498,131, Feb. 21.
Marchese, Joseph, assignee: *See*—
Iandiorio, Sam.
Marchese, Lawrence, Springfield, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Gasoline pump housing for mounting moving sign mechanisms. 2,520,847, Aug. 29.
Marchisio, Robert G.: *See*—
Kingston, Ronald E., and Marchisio.
Marchisio, Robert G., Wenham, assignor to Sylvania Electric Products Inc., Salem, Mass. Fluorescent lighting fixture having removable light-controlling panels at the sides thereof. 2,525,556, Oct. 10.
Marchmont Products, Inc., assignee: *See*—
Chase, Lionel.
Marcilhacy, Daniel M. G., Paris, and R. J. Horclois, Malakoff, assignors to Societe des Usines Chimiques Rhone-Poulenc, Paris, France. Quaternary ammonium salts of bis-quinolyloxy-ω,ω'-alkanes and their production. 2,499,661, Mar. 7.
Marcks, O. D., assignee: *See*—
Carlson, Emil.
Marco Chemicals, Inc., assignee: *See*—
Muskat, Irving E.
Marco Company, Inc., assignee: *See*—
Marco, John.
Marco, John, assignor to Marco Company, Inc., Wilmington, Del. Manufacture of basic chocolate liquor. 2,520,807, Aug. 29.
Marco, Salvatore M., and W. L. Davis, Columbus, assignors to Toledo Scale Company, Toledo, Ohio. Electrical resistance measurement. 2,531,145, Nov. 21.
Marco, Vincent, assignee: *See*—
Aves, Fred J.
Marcoe, Reuben J., assignor to Furblo Company, Hermansville, Mich. Turbine impeller wheel. 2,495,855, Jan. 31.
Marcoe, Reuben J., Hermansville, Mich. Intake vent. 2,502,736, Apr. 4.
Marconi, Joseph, assignee: *See*—
Thomas, William S.
Marconi Sounding Device Company Limited, assignee: *See*—
Hassan, Hussein.
Watt, James.
Marconi's Wireless Telegraph Company Limited, assignee: *See*—
Ivall, Thomas E.
Poulter, Thomas G.
Marcot, Guy C., Lynchburg, Va., assignor to American Cyanamid Company, New York, N. Y. Preparation of cadmium sulfoselenide reactants. 2,496,587, Feb. 7.
Marcot, Guy C., Lynchburg, Va., assignor to American Cyanamid Company, New York, N. Y. Controlled flux in calcining cadmium pigment crude. 2,496,588, Feb. 7.
Marcot, Guy C., Lynchburg, Va., assignor to American Cyanamid Company, New York, N. Y. Incorporating selenium in cadmium red pigments. 2,515,721, July 18.
Marcouiller, Arthur J., Milwaukee, Wis. Collapsible cart. 2,531,856, Nov. 28.
Marcouiller, Ernest J., New York, N. Y. Body cavity camera having jeweled aperture members. 2,516,132, July 25.
Marcoux, Eugéne, Coaticook, Quebec, Canada. Fabric gripping clasp for pens, pencils, and the like. 2,512,031, June 20.
Marcum, Charles R.: *See*—
Marsh, Francis E., and Marcum.
Marcum, Charles R., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Vapor-electric device. 2,519,267, Aug. 15.
Marcus & Co., Aktiebolag, assignee: *See*—
Eriksson, Erik V.
Marcus, Jerome R., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for testing coatings. 2,530,257, Nov. 14.
Marcus, Jerome R., Chicago, and O. F. Warning, Melrose Park, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. High-frequency heating apparatus for sequentially brazing a plurality of parts in a protective atmosphere. 2,498,950, Feb. 7.

Marcus, Jerome R., and F. W. Turner, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Edge cleaning apparatus. 2,533,948, Dec. 12.

Marcus, Sidney: *See*—
Hazza, and Marcus.

Marcuse, John A., Scarsdale, assignor to West Disinfecting Company, Long Island City, N. Y. Spraying device. 2,516,401, July 25.

Marcussen, Kenneth R., assignor to Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Combined strainer basket and drain valve for sinks. 2,512,867, June 27.

Marcy, Grosvenor D., Newton Highlands, assignor to Boston Woven Hose & Rubber Company, Cambridge, Mass. Band cleaning mechanism for continuous vulcanizing machines. 2,516,636, July 25.

Marcy, Henry O., 3rd, Park Ridge, assignor to The Rauland Corporation, Chicago, Ill. Kinescope for simultaneously picking up an object and presenting an image. 2,520,507, Aug. 29.

Marcy, Henry O., 3rd, Park Ridge, assignor to The Rauland Corporation, Chicago, Ill. Apparatus for televising data on a plan position indicator tube. 2,534,610, Dec. 19.

Marcy, Henry T., Medford, assignor to Massachusetts Institute of Technology, Cambridge, Mass. Tank turret control. 2,520,420, Aug. 29.

Marcy, Henry T., Staten Island, N. Y., assignor to The M. W. Kellogg Company, Jersey City, N. J. Electrical let-off. 2,518,158, Aug. 8.

Marden, John W.: *See*—
Brace, Porter H., Schairer, and Marden.

Marder, Michael, San Francisco, Calif. Invalid's high chair. 2,521,527, Sept. 5.

Marenholtz, Pete E., Somerville, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Apparatus for measuring the thickness of semiopaque material. 2,517,330, Aug. 1.

Mares, Virgil L., Upper Darby, Pa., assignor to General Electric Company. Electric switch. 2,513,950, July 4.

Marette, Ralph T., Cleveland Heights, Ohio, assignor to General Electric Company. Releasable hose coupling. 2,523,770, Sept. 26.

Marfield, Dwight, Pasadena, Calif. Heat distributing plate. 2,533,383. Dec. 12.

Margiloff, Henry, Chicago, Ill. Baby carriage. 2,525,924, Oct. 17.

Margo, Murray, Hawthorne, Calif. Holder. 2,514,778, July 11.

Margolis, Ely S., New York, and H. A. Wachtel, White Plains, N. Y. Christmas tree ornament. 2,535,219, Dec. 26.

Margolis, Isadore, Baltimore, Md. Rotary jet engine. 2,509,359, May 30.

Margolis, Louis, New York, N. Y. Strainer. 2,521,013, Sept. 5.

Margolis, Louis, Washington, D. C. Fluorescent lighting fixture. 2,523,581, Sept. 26.

Margot, Alfred: *See*—
Martin, Henry, and Margot.

Margulies, Paul H.: *See*—
Greenspan, Frank P., and Margulies.

Marhofer, Edwin G., Bartlesville, Okla., assignor to Phillips Petroleum Company. Insecticidal composition containing a resinous clay tower polymer. 2,514,714, July 11.

Marhofer, Edwin G., Lawrence, Kans., assignor to Phillips Petroleum Company. Resins from clay tower polymers. 2,516,230, July 25.

Marholz, Richard C., assignor to Belmont Radio Corporation, Chicago, Ill. Control apparatus for radio receivers. 2,503,058, Apr. 4.

Mari, Charles N., New York, N. Y. Light-producing torch. 2,503,754, Apr. 11.

Mari, Charles N., New York, N. Y. Rocket. 2,535,309, Dec. 26.

Mariani, Frank N., Washington Heights, N. Y. Fruit juice extractor. 2,507,312, May 9.

Mariani, John, New York, N. Y. Steam generating boiler. 2,493,678, Jan. 3.

Mariani, John L., New York, N. Y. Noodle machine. 2,504,339, Apr. 18.

Mariano, Frank, Long Island, City, N. Y. Automobile parking system. 2,493,493, Jan. 3.

Marica, Glen E., Denver, Colo., and U. E. Goodrich, Laramie, Wy. Tag holder on wire garment hangers. 2,514,501, July 11.

Marié, Georges R. P., Paris, France, assignor to Societe Francaise Sadir-Carpentier. Radio receiving system. 2,533,599, Dec. 12.

Marien, Clement, Attleboro, Mass., assignor to Swank, Inc. Cravat holder. 2,507,478, May 9.

Marien, Clement, Attleboro, Mass., assignor to Swank, Inc. Cuff link. 2,520,886, Aug. 29.

Marien, Melvin W., St. Louis, Mo., assignor to Ramsey Corporation, Wilmington, Del. Piston ring. 2,519,683, Aug. 22.

Marien, Melvin W., assignor to Ramsey Corporation, St. Louis, Mo. Piston ring. 2,519,684, Aug. 22.

Marien Metal Products Co., assignee: *See*—
Marienthal, Paul.

Marienthal, Paul, Detroit, Mich., assignor to The Sherwin-Williams Company, Cleveland, Ohio. Proportional mixing scale. 2,497,618, Feb. 14.

Marienthal, Paul, assignor to Marien Metal Products Co., Detroit, Mich. Paint mixer. 2,521,384, Sept. 5.

Marietta, Michael T., Dallas, Tex. Plastic football player's mask. 2,535,434, Dec. 26.

Marihart, Leo A., Monterey County, Calif. Agricultural machine and apparatus. 2,502,468, Apr. 4.

Marihart, Leo A., Monterey, assignor to M. P. H. Industries, Palo Alto, Calif. Photoelectric unit for agricultural operations. 2,514,405, July 11.

Marik, Edward F., Bellwood, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Heated forming tool. 2,526,888, Oct. 24.

Marin, Marcel, Paris, France. Steering of portable reaction motors. 2,509,603, May 30.

Marinaro, Alfred T.: *See*—
Lavin, Edward, and Marinaro, and Richard.

Marindin, Frederick R., Port Washington, N. Y., assignor to The Sperry Corporation. Wave transmission apparatus. 2,520,945, Sept. 5.

Marine Magnesium Products Corporation, assignee: *See*—
Collins, Neil R., and Esterberg.

Marine Products Company, assignee: *See*—
Hoder, Frank J., Jr.

Marini, Donato, Quincy, Mass. Disappearing refuse holder. 2,530,336, Nov. 14.

Marini, Lucio, Leominster, Mass. Clothespin. 2,499,517, Mar. 7.

Marini, Thomas O., Audubon, N. J. Door operated atomizing device. 2,534,465, Dec. 19.

Marini, Thomas O., Camden, N. J., assignor to Marver Metal Mfg. Co. Radiator enclosure. 2,512,661, June 27.

Marini, Thomas O., assignor to Marver Metal Mfg. Co., Camden, N. J. Furniture. 2,512,662, June 27.

Marini, Thomas O., Camden, N. J., assignor to Marver Metal Mfg. Co. Furniture enclosure. 2,513,036, June 27.

Marini, Thomas O., Audubon, and L. Onorato, Oaklyn, N. J.; said Onorato assignor to said Marini. Door operated atomizing device. 2,534,464, Dec. 19.

Marino, Dominick M., Red Lodge, Mont. Campfire wood mound. 2,508,959, May 23.

Marinsky, Davis, assignee: *See*—
Morin, Louis H.

Marinsky, Davis, Bronx, N. Y.; L. H. Morin, executor of said D. Marinsky, deceased. Automatic lock slider. 2,502,055, Mar. 28.

Marinsky, Isaac, Providence, R. I. Automatic lock slider for separable fasteners. 2,501,399, Mar. 21.

Marion, Alexander G., assignor to Keystone Engineering Company, River Rouge, Mich. Core-cutting machine. 2,521,385, Sept. 5.

Maris, James B., Glen Ridge, N. J., assignor to The Burdick Corporation, Milton, Wis. Adjustable automatic interval timer. 2,530,622, Nov. 21.

Maris, James C., Glenolden, Pa., assignor to The Baldwin Locomotive Works. Locomotive frame construction. 2,500,844, Mar. 14.

Maris, James C., Glenolden, Pa., assignor to The Baldwin Locomotive Works. Locomotive running gear. 2,503,502, Apr. 11.

Maris, James C., Glenolden, Pa., assignor to The Baldwin Locomotive Works. Locomotive. 2,510,931, June 6.

Marisic, Milton M.: *See*—
Porter, Charles A., and Marisic.

Marisic, Milton M., Northfield, Ill., assignor to Socony-Vacuum Oil Company, Incorporated. Drying inorganic oxide gels. 2,528,767, Nov. 7.

Marison Company, The, assignee: *See*—
Hill, Robert H.

Marite Products, Inc., assignee: *See*—
Houser, Rowland G.

Mark, Francis L.: *See*—
Johnson, James M., Mark, and Jelling.

Mark, Harry, assignee: *See*—
Ravkind, Lou, and Klausner.

Mark, Monte L., assignee: *See*—
Harding, Mahlon E.

Markarian, Mousky: *See*—
Brooks, Lester A., Markarian, and Nazzewski.
Ross, Sidney D., and Markarian.

Markarian, Moushy, assignor to Sprague Electric Company, North Adams, Mass. Divinyl tetrachlorobenzenes and polymers thereof. 2,528,445, Oct. 31.

Markel, John M., Rockford, Ill., assignor to J. I. Case Company, Racine, Wis. Two-way plow. 2,511,070, June 13.

Markel, John M., Rockford, Ill., assignor to J. I. Case Company, Racine, Wis. Lime spreader. 2,518,802, Aug. 15.

Markem Machine Company, assignee: *See*—
Fletcher, Harry R.
Robbins, Charles F.

Markes, Orland W., Detroit, Mich. Ribbon inking device. 2,526,571, Oct. 17.

Market Services, Inc., assignee: *See*—
Gaunt, Edward E.

Markey, Bruce W., Aliquippa, assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Apparatus, including a manually positioned upper die for shaping armature coils. 2,493,679, Jan. 3.

Markham, Fred S., assignee: *See*—
Wurgaft, Harry L.

Markham, Maziebelle G., assignee: *See*—
Wurgaft, Harry L.
Markham, Philip E., Los Angeles, Calif., assignor of one-half to William Evans, Caldwell County, Tex. Hedge trimmer. 2,497,999, Feb. 21.
Markham, Wilbur A., Glenwood, Wash. Curve selector and scriber. 2,499,518, Mar. 7.
Markis, John L.: *See*—
Baxter, Harry, and Markis.
Markis, John L., Warrensville Heights, and H. Baxter, Garrettsville, Ohio. Control for zone heating systems. 2,530,581, Nov. 21.
Markle, Glenn R., Pittsburgh, Pa., assignor to Carnegie-Illinois Steel Corporation. Strip guiding apparatus. 2,532,563, Dec. 5.
Markley, Jay G., New Castle, Ind. Piano action. 2,501,529, Mar. 21.
Markley, Max C., St. Paul, assignor to Cargill, Incorporated, Minneapolis, Minn. Phosphatide composition and shortening and making same. 2,494,771, Jan. 17.
Markley, William F.: *See*—
Wheeler, Herbert H., and Markley.
Markoski, Joseph J.: *See*—
Brownlow, David B., and Markoski.
Markowitz, Jerome, assignor to Allen Organ Company, Inc., Allentown, Pa. Supporting structure for electrical units. 2,495,339, Jan. 24.
Marks, Alvin M., Flushing, N. Y. Glare free lighting device. 2,519,387, Aug. 22.
Marks, Barnard M., Newark, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerization in the presence of cobalt salts. 2,516,064, July 18.
Marks, Conrod G., Jasper, Ind. Fluid jet cleaner for boilers. 2,530,018, Nov. 14.
Marks & Fuller, Inc., assignee: *See*—
Langdon, Samuel W.
Marks, Henry C., Glen Ridge, and F. B. Strandskov, assignors to Wallace & Tiernan Products, Inc., Belleville, N. J. Sterilizing small quantities of water. 2,512,566, June 20.
Marks, Louis F., assignor to G. G. Balch, Pittsburgh, Pa. Apparatus for making variegated ice cream. 2,527,273, Oct. 24.
Marks, Max J.: *See*—
Schwartz, Martin W., and Marks.
Marks, Merton M., Pittsburgh, Pa., assignor to Carnegie-Illinois Steel Corporation. Steam heater. 2,535,941, Dec. 26.
Marks, Meyer, Chicago, Ill., assignor to Raytheon Manufacturing Company, Newton, Mass. Frequency modulation system. 2,523,222, Sept. 19.
Marks, Robert A., Queens Village, N. Y. Writing guide for the blind. 2,530,437, Nov. 21.
Marks, Theodore, Jr., Drexel Hill, Pa. Hotbox indicator and signal. 2,521,469, Sept. 5.
Marks, Wilford H., Lake Park, Iowa. Stock pen closure. 2,512,954, June 27.
Markson, Alfred A., Mount Lebanon, assignor, by mesne assignments, to Hagan Corporation, Pittsburgh, Pa. Radiation pyrometer. 2,497,783, Feb. 14.
Markson, Alfred A., Mount Lebanon, assignor, by mesne assignments, to Hagan Corporation, Pittsburgh, Pa. Measuring device. 2,530,711, Nov. 21.
Markusen, David L., Los Angeles, Calif., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Amplifier with pulsating bias. 2,510,707, June 6.
Markusen, David L., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control apparatus. 2,495,856, Jan. 31.
Markusen, David L., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electronic control circuits. 2,535,147, Dec. 26.
Marlette, Goley R., assignor to Adams-Millis Corporation, High Point, N. C. Wrap stripe and plating mechanism and method. 2,528,067, Oct. 31.
Marlo Lab., Inc., assignee: *See*—
Myers, Louis H.
Marlowe, Elbert W.: *See*—
Bossart, Paul N., and Marlowe.
Marlowe, Elbert W., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Inductive communication system between moving vehicles and conventional telephone subscribers. 2,507,728, May 16.
Marlowe, Elbert W., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Emergency break-in system for channel communication systems. 2,510,316, June 6.
Marlowe, Elbert W., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Emergency break-in system for communication systems. 2,521,860, Sept. 12.
Marmon-Harrington Company, Inc., assignee: *See*—
Guernsey, Charles D.
Herrington, Arthur W.
Wallace, Robert C.
Marmorstein, Henry S., Jersey City, N. J. Control circuit for radio phonograph combinations. 2,511,071, June 13.
Marmour, Abel, Nice, France, assignor of one-half to Societe Anonyme: Societe Generale des Metaux non Ferreux, Monte Carlo. Inspection of microphotographic and the like documents. 2,511,646, June 13.
Marnach, Carl H., and N. G. Schatz, Newberg, Oreg. Husking and cleaning machine. 2,529,620, Nov. 14.
Marnon, Edward S., assignee: *See*—
McGogy, Donald H.
Marogg, Richard, Hastings on Hudson, N. Y. Safety latch adapted for handbags and the like. 2,534,783, Dec. 19.
Marotta, Ralph, Malden, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Purification of phthalic anhydride. 2,511,861, June 20.
Marotta, Ralph, Malden, and R. D. Swisher, Winchester, Mass., assignors to Monsanto Chemical Company, St. Louis, Mo. Purification of phthalic anhydride. 2,512,283, June 20.
Marples, R. M., and Son Limited, assignee: *See*—
Marples, Stephen A.
Marples, Stephen A., assignor to R. M. Marples and Son Limited, Parkstone, England. Projectable and retractable writing implement. 2,529,037, Nov. 7.
Marquaire, Charles, Ugine, assignor to Societe D'Electro-Chimie, D'Electro-Metallurgie et des Acieries Electriques D'Ugine, Paris, France. Manufacture of permanent magnets. 2,534,178, Dec. 12.
Marquardt, Leonard A., Elmhurst, assignor to W. H. Miner, Inc., Chicago, Ill. Fastener for hinged doors. 2,507,795, May 16.
Marquardt, Oswald K., Montclair, N. J. Inlay transfer method of printing thermoplastic films. 2,510,750, June 6.
Marquardt, Otto M., Oakland Township, Oakland County, and W. A. Majeska, Grosse Pointe, Mich., assignors, by mesne assignments, to The Ohio Crankshaft Company, Cleveland, Ohio. Method of and apparatus for induction heating of small areas. 2,493,771, Jan. 10.
Marques, Jose, Casas Novas, Sao Joao de Areias, Santa Comba Dao, Portugal. Automatic stabilizer for airplanes. 2,496,100, Jan. 31.
Marquette Metal Products Company, The, assignee: *See*
Carey, Leroy J.
Cochran, John K.
Forbess, Walter A.
Gleitz, Herbert and Miller.
Hardy, Gordon W.
Johnston, Howard D.
Meyer, Howard W.
Miller, Charles E., and Sweet.
Pepper, Carl P.
Rugh, Weldon E.
Sacchini, Columbus R.
Sweet, Floyd H.
Marquez, Danny C., Portland, Oreg. Skillet and kettle combination. 2,501,572, Mar. 21.
Marquis, Donald P.: *See*—
Ricks, Bernard E., and Marquis.
Marquis, Earl W., Miami, Fla. Coffee maker. 2,511,929 June 20.
Marquis, John F., assignor to Operadio Manufacturing Co., St. Charles, Ill. Double diaphragm loud-speaker. 2,496,589, Feb. 7.
Marquis, Richard F., Bellefontaine, Ohio. Dumping vehicle assemblage. 2,507,033, May 9.
Marquiss, Kenneth B., Redlands, Calif. Roof ruler. 2,535,585, Dec. 26.
Marr, Victor E., Fredonia, Kans. Cattle stanchion. 2,515,458, July 18.
Marra, Daniel A., Cheswick, Pa. Tip for cutting torches. 2,514,777, July 11.
Marrier, George E., Burlington, Vt. Brush scraper for containers. 2,531,982, Nov. 28.
Marriott, Alexander D.: *See*—
Thompson, Robert B., Munro, and Marriott.
Marriott, Walter E., assignee: *See*—
Linn, James E.
Marrison, Warren A., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Speed regulator for electric motors. 2,504,340, Apr. 18.
Marrison, Warren A., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone signal transmitter. 2,508,526, May 23.
Marrison, Warren A., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cathode-ray tube with target controlled deflecting plates. 2,522,291, Sept. 12.
Marrs, R. C., assignee: *See*—
Mitchell, Thomas W.
Marsac, Leonard C., Cranford, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Tension device. 2,518,703, Aug. 15.
Marsac, Leonard C., Cranford, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Supporting means for sewing machines. 2,527,319, Oct. 24.
Marsan, Edward P., assignor to F. J. Papes, Chicago, Ill. Self-locking insulating bushing for electric conductors. 2,530,258, Nov. 14.
Marsand, Robert B., Bloomfield, N. J. Portable wardrobe. 2,498,373, Feb. 21.
Marschalk, Frederick F., Augusta, Ga. Climbing toy. 2,518,041, Aug. 8.
Marschall, Franz: *See*—
Vogt, Curt G., and Marschall.
Marsden, James, Schenectady, N. Y., assignor to General Electric Company. Elastic hydrocarbon-substituted polysiloxane and tertiary butyl perbenzoate as catalyst. 2,521,528, Sept. 5.

Marsh, Alfred H., Swarthmore, assignor to Sun Oil Company, Philadelphia, Pa. Sign letter. 2,524,294, Oct. 3.
Marsh, Arnold, Woodtown Park, Rathfarnham, Eire. Glazing bar. 2,531,229, Nov. 21.
Marsh, Corbin, Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Heavy-media separation process for assorting solids. 2,496,590, Feb. 7.
Marsh, Esli A.: *See*—
Hartman, Carl H., Marsh, and Dorrington.
Marsh, Francis E., Lockport, N. Y., and C. R. Marcum, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Indicator. 2,516,011, July 18.
Marsh, Frank, Farrell, Pa. Cushion-mat hassock. 2,528,768, Nov. 7.
Marsh, Jas. P., Corporation, assignee: *See*—
Willach, Bernhard.
Marsh, John W., Arlington, Va. Making buffers. 2,508,347, May 16.
Marsh, Jordan Company, assignee: *See*—
Ely, George L.
Marsh, Lynn W., Jr., U. S. Army, Arlington County, Va. Electronic control apparatus. 2,534,287, Dec. 19.
Marsh, Sidney C.: *See*—
Lane, Cecil T., Marsh, and Haessler.
Marsh, Sidney C., Hohokus, assignor to Specialties Development Corporation, Bloomfield, N. J. Liquefied gas storage and supply. 2,499,403, Mar. 7.
Marsh, Sidney C., Hohokus, assignor to Specialties Development Corporation, Bloomfield, N. J. Liquefied gas storage and supply. 2,499,404, Mar. 7.
Marsh Stencil Machine Company, assignee: *See*—
Hempel, Herbert W., and Marsh.
Marsh, Walton C.
Marsh, Walton C.: *See*—
Hempel, Herbert W., and Marsh.
Marsh, Walton C., assignor to Marsh Stencil Machine Company, Belleville, Ill. Fountain brush. 2,521,014, Sept. 5.
Marshall, Alexander, Portland, Oreg. Combination smoker's mouthpiece and ash receptacle. 2,526,572, Oct. 17.
Marshall, Aud R., Auberry, Calif. Log turner. 2,517,007, Aug. 1.
Marshall, Charles, London, England. Sterilizer. 2,535,365, Dec. 26.
Marshall, Charles J., Dayton, Ohio, assignor to the United States of America as represented by the Secretary of the Army. Radio remote-control system. 2,513,342, July 4.
Marshall, Charles O., Jr., and M. C. Yeasting, assignors to Toledo Scale Company, Toledo, Ohio. Meat tenderizing machine. 2,494,136, Jan. 10.
Marshall, Charles O., Jr., assignor to Toledo Scale Company, Toledo, Ohio. Duplex express scales. 2,523,437, Sept. 26.
Marshall, Daniel Q., Maderia, Ohio, assignor to General Electric Company. Protective device for gas turbines. 2,534,138, Dec. 12.
Marshall, Donald E., Summit, N. J., assignor by order of court to Colgate-Palmolive-Peet Company. Process and apparatus for making floating soap. 2,494,891, Jan. 17.
Marshall, Donald E., Summit, N. J., assignor by order of court to Colgate-Palmolive-Peet Company. Combined soap and synthetic detergent bar. 2,508,578, May 23.
Marshall, Donald E., Summit, N. J. Process utilizing solid carrier particles. 2,525,925, Oct. 17.
Marshall, Donald E., Summit, N. J., assignor to Micro Processing Equipment Inc., Des Plaines, Ill. Continuous process for making a composite soap bar. 2,528,531, Nov. 7.
Marshall, Douglas W.: *See*—
Ballard, Archibald H., and Marshall.
Marshall, Earl C., assignee: *See*—
Westfall, Robert W.
Marshall, Earl L.: *See*—
Hartel, Robert J., and Marshall.
Marshall, Edward C.: *See*—
Swett, Arthur H., Jr., and Marshall.
Marshall, Edward J., Cambridge, assignor to Pest Control Limited, Harston, England. Adjustable nozzle. 2,513,503, July 4.
Marshall Field & Company, assignee: *See*—
Medbery, Edward W.
Marshall Field & Company, Inc., assignee: *See*—
Self, Robert L.
Marshall, Fitz-Hugh B., Glenshaw, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Broad beam radiation detector, using ultraviolet as an intermediate step. 2,534,922, Dec. 19.
Marshall, Fitz-Hugh B., Glenshaw, and J. W. Coltman, Pitsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. X-ray thickness gauge. 2,512,355, June 20.
Marshall, Harry B., Toronto, Ontario, and C. A. Sankey, St. Catharines, Ontario, assignors to The Ontario Paper Company Limited, Thorold, Ontario, Canada. Producing vanillin. 2,516,827, July 25.
Marshall, James, assignor to The Bahnson Company, Winston-Salem, N. C. Air conditioning apparatus. 2,500,693, Mar. 14.
Marshall, James E., assignor to Olin Industries, Inc., New Haven, Conn. Plate for roller-skate wheels and the like. 2,509,360, May 30.
Marshall, James R., Englewood, assignor to Dielectric Products Company, Inc., Jersey City, N. J. Dipole antenna construction. 2,494,665, Jan. 17.
Marshall, John N., Philadelphia, Pa., assignor to Radio Corporation of America. Data transmission system. 2,499,225, Feb. 28.
Marshall, John N., Washington, D. C., assignor to Minister of Supply in His Majesty's Government of the United Kingdom of Great Britain and Northern Ireland, London, England. Variable directive coupler. 2,531,777, Nov. 28.
Marshall, John S., Ipava, Ill. Nut gripping wrench. 2,528,068, Oct. 31.
Marshall, John T., assignor to Bendix Aviation Corporation, South Bend, Ind. Flexible connector for high-pressure conduits. 2,506,096, May 2.
Marshall, John T., and H. S. Bower, assignors to Bendix Aviation Corporation, South Bend, Ind. Fuel injection pump. 2,517,008, Aug. 1.
Marshall, Joseph K., Chesterton, and C. Nygren, Michigan City, Ind., assignors to Michiana Products Corporation. Conveyer chain. 2,529,168, Nov. 7.
Marshall, Laurence K., Cambridge, assignor to Raytheon Manufacturing Company, Newton, Mass. High-frequency electromagnetic cooking apparatus. 2,495,415, Jan. 24.
Marshall, Laurence K., Cambridge, assignor to Raytheon Manufacturing Company, Newton, Mass. Food preparation. 2,501,400, Mar. 21.
Marshall, Leonard J., Tenafly, N. J., assignor, by mesne assignments, to Combustion Engineering-Superheater, Inc. Combustion air heater for furnaces arranged to minimize corrosion by flue gases. 2,511,647, June 13.
Marshall, Lillian M., Scarsdale, N. Y. Brassière. 2,534,721, Dec. 19.
Marshall, Marcus W., and W. B. Browning, Jr., assignors to Armco Steel Corporation, Middletown, Ohio. Cladding apparatus. 2,510,123, June 6.
Marshall, Maxine: *See*—
Caldwell, Emery V., and Marshall.
Marshall, Morris D., Arlington, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Producing silica sols. 2,515,960, July 18.
Marshall, Morris D., Arlington, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Producing silica sols. 2,515,961, July 18.
Marshall, Norman P., assignee: *See*—
Tarwater, Lawson.
Marshall, Oscar L., Jamestown, Mo. Portable lamp guard. 2,510,708, June 6.
Marshall, Robert J., Elmhurst, N. Y., assignor to The Sperry Corporation. Directive antenna structure. 2,531,454, Nov. 28.
Marshall, Tola A.: *See*—
Branson, David E., Locke, and Marshall.
Marshall, Walter R.: *See*—
Allen, Ivey, Jr., Marshall, and Wightman.
Marshall, Walter R., Bloomfield, N. J., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Method and apparatus for the manufacture of synthetic staple fibers. 2,508,462, May 23.
Marshall, William A., Jr., assignor to Stewart-Warner Corporation, Chicago, Ill. Heating apparatus. 2,507,113, May 9.
Marshall, William A., Jr., Indianapolis, Ind., assignor to Stewart-Warner Corporation, Chicago, Ill. Water heater. 2,531,459, Nov. 28.
Marshall, William A., Jr., Indianapolis, Ind., assignor to Stewart-Warner Corporation, Chicago, Ill. Heater system. 2,533,486, Dec. 12.
Marshall, William F., Portland, Oreg. Convertible parcel carrier. 2,519,146, Aug. 15.
Marshall, William K. B.: *See*—
Lancaster, John F., and Marshall.
Marshall, William S., assignee: *See*—
Tarwater, Lawson.
Marshaus, Anthony J., North East, Pa., assignor of one-half to E. Smatt, Lyndhurst, Ohio. Fishing rod and reel. 2,501,530, Mar. 21.
Marsico, James M., Creekside, Pa. Artificial lure. 2,531,738, Nov. 28.
Marsico, Vincent J., and J. R. Protomastro, Warren, Ohio. Shopping bag. 2,510,186, June 6.
Marsilius, Newman M., Trumbull, Conn. Pin machine. 2,505,643, Apr. 25.
Marsilius, Newman M., Trumbull, Conn. Punch remover. 2,509,572, May 30.
Marson, Harry W.: *See*—
Waletzky, Emanuel, and Marson.
Marston, Walter W., Wednesfield, England. Fluid actuated suspension device for vehicles, aircraft, and the like. 2,521,074, Sept. 5.
Mart, Leon T., Kansas City, Kans. Double-walled container. 2,493,633, Jan. 3.
Martel, Charles S.: *See*—
Woods, John E., and Martel.
Martel, Claude A., Montreal, Quebec, Canada. Fire extinguisher. 2,505,714, Apr. 25.
Martell, Alfonso, Bloomfield, N. J. Automatic paper feed cutoff. 2,518,042, Aug. 8.
Martell, Edmund A.: *See*—
Sauer, Otto E., and Martell.
Martellotti, Mario: *See*—
Dall, Albert H., and Martellotti.

Martens, Ernest J., St. Louis, Mo. Pleating for slip covers and draperies. 2,512,868, June 27.
Martens, Waldemar C., Stanton, Del. Steady rest for lathes. 2,511,930, June 20.
Martfeld, Donald, assignee: *See*— Johnson, Carl H.
Martfeld, Glenn, assignee: *See*— Johnson, Carl H.
Martha Realty Company, assignee: *See*— Gregory, Benjamin F.
Marti, Fritz, La Chaux-de-Fonds, Switzerland. Electrical movement for timekeepers. 2,495,858, Jan. 31.
Marti, Fritz, La Chaux de Ponds, Switzerland. Balance and hairspring timepiece regulator. 2,500,557, Mar. 14.
Marti, Fritz, La Chaux de Fonds, Switzerland. Hairspring collet. 2,529,807, Nov. 14.
Marti, Lyall G., Los Angeles, Calif. Electric light fixture for fluorescent lamps. 2,509,979, May 30.
Martial, Jacques: *See*— Colton, Roland J., and Martial.
Martignone, Marion W., Klamath Falls, Oreg. Tensioning device for single column band saws. 2,525,557, Oct. 10.
Martin, Aaron, H. Male, and S. Collins, London, England, said Male and said Collins assignors to said Martin. Article of furniture. 2,515,459, July 18.
Martin, Albert R.: *See*— Shearer, Howard E., and Martin.
Martin, Albert S., Quanah, Tex. Collapsible coat hanger. 2,500,423, Mar. 14.
Martin & Schwartz, Inc., assignee: *See*— Steuart, Arthur B.
Martin, Arnold W., Montevista, Colo. Thrust reversing and speed control for jet propulsion engines. 2,509,238, May 30.
Martin, Arthur E., Bellflower, assignor to Shell Development Company, San Francisco, Calif. Demulsification of water-nitroxylene emulsion. 2,499,927. Mar. 7.
Martin, Arthur H., assignor to Canadian Industries Limited, Montreal, Quebec, Canada. Fertilizer block for fertilizing plant life in fishing waters. 2,531,360, Nov. 21.
Martin, Austin R., Warsaw, Mo. Corn husking roller. 2,503,344, Apr. 11.
Martin Band Instrument Company, The, assignee: *See*— Gillespie, Earl J.
Martin, Charles A., Rocky Point, N. Y., assignor to Radio Corporation of America. Wave guide system. 2,514,779, July 11.
Martin, Charles C., Cleveland Heights, assignor to The Cleveland Chain and Manufacturing Company, Garfield Heights, Ohio. Apparatus for applying tension and/or pressure to material. 2,533,025, Dec. 5.
Martin, Charles R., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Hydraulic turbine 2,507,796, May 16.
Martin, Clifford M., Santa Fe, N. Mex. Form for molding concrete walls. 2,523,131, Sept. 19.
Martin, Clyde J., Bradford, Pa., assignor to Dresser Industries, Inc., Cleveland, Ohio. Apparatus for forming tubular L's. 2,528,315, Oct. 31.
Martin, Dana W., Stow, assignor to Norton Company, Worcester, Mass. Fluid motor. 2,522,481, Sept. 12.
Martin, Daniel W., Blackwood, N. J., assignor to Radio Corporation of America. Adjustable earpiece for receivers. 2,529,562, Nov. 14.
Martin, Daniel W., Indianapolis, Ind., assignor to Radio Corporation of America. Inertial electromagnetic throat microphone. 2,519,916, Aug. 22.
Martin, Denzil O., Banning, assignor, by mesne assignments, to Robertson Engineering Corporation, San Francisco, Calif. Moving bulk materials. 2,494,953, Jan. 17.
Martin, Earnest E., Pasadena, Calif., assignor, by mesne assignments, to John Wood Manufacturing Company, Inc., New York, N. Y. Hose reeling mechanism. 2,505,418, Apr. 25.
Martin, Earnest E., assignor, by mesne assignments, to Acme Appliance Mfg. Co., Pasadena, Calif. Sliding door mounting. 2,525,143, Oct. 10.
Martin, Earnest E., Pasadena, assignor to Universal Properties, Inc., Los Angeles, Calif. Valve device for pressure fluid containers. 2,529,808, Nov. 14.
Martin, Edward G., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Tuning mechanism for resonant cavities and the like. 2,501,728, Mar. 28.
Martin, Edwin D., assignor to Inland Steel Company, Chicago, Ill. Apparatus for use in the visual inspection of sheet metal. 2,502,469, Apr. 4.
Martin Elevator Company, Inc., assignee: *See*— Schoenbaum, Joseph R.
Martin, Elmer A., Milwaukee, Wis. Sand spreader. 2,512,955, June 27.
Martin Elmore L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of polyvinyl acetals. 2,513,189, June 27.
Martin, Elmore L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. o- and m-hydroxybenzamidobenzaldehydes and their acetals with lower alkanols and alkanediols. 2,518,704, Aug. 15.
Martin, Elmore L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Azomethine dyes. 2,518,705, Aug. 15.
Martin, Eric H. B., Rugby, England, assignor to General Electric Company. Overload protective device. 2,494,346, Jan. 10.
Martin, Eric L., Santa Monica, and F. A. Payne, Jr., Los Angeles, Calif., assignors to North American Aviation, Inc. Aircraft landing gear. 2,503,755, Apr. 11.
Martin, Erle, West Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Airfoil heating means. 2,494,625, Jan. 17.
Martin, Erle, West Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Propeller. 2,511,862, June 20.
Martin, Erle, West Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Heating hollow propeller blades. 2,522,955, Sept. 19.
Martin, Erle, West Hartford, Conn., and M. C. Beebe, Jr., Altadena, Calif., assignors to United Aircraft Corporation, East Hartford, Conn. Reversing propeller control. 2,504,209, Apr. 18.
Martin, Erle, West Hartford, and T. B. Rhines, Glastonbury, assignors to United Aircraft Corporation, East Hartford, Conn. Propeller pitch control means. 2,513,660, July 4.
Martin, Eugene, Wesleyville, and J. B. MacKenzie, Erie, Pa., assignors to The Standard Stoker Company, Incorporated. Lubricator. 2,497,822, Feb. 14.
Martin, Eunice M., Newark, N. J. Tank heater. 2,509,690, May 30.
Martin, Floyd L., Berlin, Wis. Child's vehicle. 2,513,661, July 4.
Martin, Francis E., West Chester, Pa. Method and article for treatment of mammary glands. 2,498,374, Feb. 21.
Martin, Francis W.: *See*— Lawson, James L., and Martin.
Martin, Frank J., Franklin, La. Ditchbank disk plow. 2,533,129, Dec. 5.
Martin, Frank V., Atlantic City, N. J. Fabric nicking device. 2,494,824, Jan. 17.
Martin, George A.: *See*— Borus, Ben, and Martin.
Martin, George E., New Rochelle, assignor to Allied Chemical & Dye Corporation, New York, N. Y. Stabilized soil road and producing same. 2,535,644, Dec. 26.
Martin, George W., Eau Claire, Wis. Outboard motor unit. 2,507,034. May 9.
Martin, George W., Eau Claire, Wis. Outboard motor starter. 2,530,623, Nov. 21.
Martin, Glenn L., Company, The, assignee: *See*— Bair, Garth L.
Baker, Samuel K.
Bender, Welcome W., Jr., Bergen, and Purdy.
Bortner, William A., Collins, and Tousignan.
Butler, Edwin I., Madsen, and Tidrick.
Goddard, Frank E., Jr.
Hill, Thomas C.
Hollyday, Charles E., Jr.
Matson, Carroll H.
Mellodge, Charles J.
Nevin, Robert S., Sr., and Fields.
Pederson, Arthur H., Holback, and Darmody, Jr.
Trimble, George S., Jr.
Von Stackelberg, Yurgen Z.
Wilkinson, Walter G.
Martin, Glen W., Chicago, Ill. Lighter. 2,523,510, Sept. 26.
Martin, Gus J., New York, N. Y. Adjustable screen ventilator for windows. 2,524,230, Oct. 3.
Martin, Gustav J.: *See*— Alpert, Sidney, and Martin.
Avakian, Souren, and Martin.
Beiler, Jay M., and Marrin.
Urist, Harold, and Martin.
Martin, Gustav J., Philadelphia, and S. Avakian, Oreland, assignors to The National Drug Company, Philadelphia, Pa. Nicotinyl salicylic acid. 2,502,868, Apr. 4.
Martin, Gustav J., Philadelphia, and L. L. Tolman, Feasterville, assignors to The National Drug Company, Philadelphia, Pa. 7-methyl homolog of folic acid. 2,502,869, Apr. 4.
Martin, Gustav J., and R. S. Hanslick, assignors to The National Drug Company, Philadelphia, Pa. Nicotinyl gentisic acid. 2,502,870, Apr. 4.
Martin, Gustav J., and R. S. Hanslick, assignors to The National Drug Company, Philadelphia, Pa. 5,8-bis-(diethylaminomethyl)quinoline. 2,507,313, May 9.
Martin, Gustav J., Philadelphia, and S. Avakian, Oreland, assignors to The National Drug Company, Philadelphia, Pa. N,N - dimethyl - N' - (2 - pyridyl) - N' - (2 - benzothenyl) ethylene diamine. 2,530,358, Nov. 14.
Martin, Gustave J., Short Hills, N. J. Implement for severing corn kernels from cobs. 2,493,588, Jan. 3.
Martin, Harold K., Elizabethton, Tenn., assignor to North American Rayon Corporation, New York, N. Y. Thread treating apparatus. 2,499,405, Mar. 7.
Martin, Harold M., Schenectady, N. Y., assignor to General Electric Company. Dynamometer. 2,511,674, June 13.
Martin, Harold M., Schenectady, N. Y., assignor to General Electric Company. Bearing support for dynamoelectric machines. 2,518,159, Aug. 8.
Martin, Harry, Cornbrook, Manchester, England. Glass cutter. 2,529,735, Nov. 14.

Martin, Henry, and A. Margot, assignors to J. R. Geigy A. G., Basel, Switzerland. Pharmaceutical preparation for relieving itch and killing acaridae. 2,505,681, Apr. 25.

Martin, Henry, and A. Margot, assignors to J. R. Geigy A. G., Basel, Switzerland. Amides of α:β-unsaturated carboxylic acids and making same. 2,505,682, Apr. 25.

Martin, Henry, and A. Margot, assignors to J. R. Geigy A. G., Basel, Switzerland. 1-alkyl-4-hydroxy-piperidine esters of alkyl substituted acetic acids. 2,506,605, May 9.

Martin, Henry, and A. Margot, assignors to J. R. Geigy A.-G., Basel, Switzerland. 1-alkyl-4-hydroxypiperidine esters. 2,507,449, May 9.

Martin, Henry, and H. Gysin, assignors to J. R. Geigy A. G., Basel, Switzerland. N-aroyl alanine amides. 2,496,882, Feb. 7.

Martin, Henry A., Kansas City, Kans., A. R. Young, Kansas City, Mo., and H. M. Nelly, Jr., Houston, Tex., assignors to J. F. Pritchard & Co., Kansas City, Mo. Storing natural gas. 2,535,148, Dec. 26.

Martin, Henry G., Buenos Aires, Argentina, assignor, by mesne assignments, to Eversharp, Inc., Chicago, Ill. Fountain pen. 2,495,013, Jan. 17.

Martin, Henry, H. Gysin, and O. Neracher, Basel, and R. Hirt, Muri, near Berne, assignors to J. R. Giegy A.-G., Basel, Switzerland. 4-aminobenzene-sulfonamides N'-acylated with substituted cinnamic acids. 2,535,943, Dec. 26.

Martin, Herman P.: *See*—
Witte, Emil A., Holt, and Martin.

Martin, Herschel B., Woodside, and K. L. Neumann, Yonkers, N. Y., assignors to Radio Corporation of America. Current amplitude limiter. 2,513,809, July 4.

Martin, Homer Z.: *See*—
Jahnig, Charles E., and Martin.
Nelson, Karl J., and Martin.

Martin, Homer Z., Roselle, N. J., assignor to Standard Oil Development Company. Heat recovery in a fluidized catalyst regeneration. 2,493,494, Jan. 3.

Martin, Homer Z., Roselle, N. J., assignor to Standard Oil Development Company. Contacting gaseous fluids and solid particles. 2,506,307, May 2.

Martin, Homer Z., Roselle, N. J., assignor to Standard Oil Development Company. Fluidized hydrocarbon synthesis process. 2,530,977, Nov. 21.

Martin, Howard S., assignor of one-half to N. B. Martin, Detroit, Mich. Ice-cream cone dispenser. 2,524,673, Oct. 3.

Martin, James, Higher Denham, near Uxbridge, England. Ejecting means for chair stabilizing drogue parachutes. 2,502,470, Apr. 4.

Martin, James, Higher Denham, near Uxbridge, England. Cartridge feeding mechanism for automatic cannon. 2,522,457, Sept. 12.

Martin, James, Higher Denham, England. Ejection seat for aircraft. 2,527,020, Oct. 24.

Martin, James, Higher Denham, near Uxbridge, England. Body positioning means for aircraft ejection seats. 2,528,532, Nov. 7.

Martin, James M., Lansing, Mich., assignor to Food Machinery and Chemical Corporation. Pickup mechanism for harvesting machines. 2,527,887, Oct. 31.

Martin, James S., Centerport, and E. L. Kinkaide, Sayville, assignors to Republic Aviation Corporation, Farmingdale, N. Y. Construction and mounting of units of transparent synthetic resins. 2,511,168, June 13.

Martin, Jean L. P. G., Paris, France. Controlled electrical installation for supplying arcs or other applications. 2,506,964, May 9.

Martin, Jean R. L., New York, N. Y., assignor to Coty, Inc., Wilmington, Del. Bottle sealing device. 2,526,622, Oct. 24.

Martin, Jerome L.: *See*—
Keko, Wilbur L., and Martin.

Martin, John: *See*—
Downs, Charles D., and Martin.

Martin, John B., Glen Ellyn, Ill., assignor to The Kendall Company, Boston, Mass. Pressure sensitive adhesive tape. 2,498,338, Feb. 21.

Martin, John E.: *See*—
Berg, Louis B., and Martin.

Martin, John G., assignor to Bendix Aviation Corporation, South Bend, Ind. Friction disk. 2,531,696, Nov. 28.

Martin, John R., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Chilling mixtures. 2,530,976, Nov. 21.

Martin, Joseph, Laurelton, assignor to Eclipse Sleep Products Inc., Brooklyn, N. Y. Stabilizer for inner spring units. 2,509,831, May 30.

Martin, Joseph A., assignor to Flexnit Company, Inc., Elizabeth, N. J. Confining garment. 2,506,804, May 9.

Martin, Joseph S., Jr., assignor to Hamilton Watch Company, Lancaster, Pa. Watch oil. 2,534,611, Dec. 19.

Martin, Lawrence B., Wausau, Wis., H. W. Eberle and G. H. Fengel, Davenport, Iowa, said Martin assignor to said Eberle and Fengel. Safety signal lamp for motor vehicles. 2,508,071, May 16.

Martin, Leonora R., and D. Kline, San Francisco, Calif. Door hanger. 2,508,527, May 23.

Martin, Leslie T., Kansas City, Mo. Sectional self-supporting golf bag. 2,502,627, Apr. 4.

Martin, Lloyd M., San Francisco, Calif. Piano action. 2,498,132, Feb. 21.

Martin, Lloyd M., San Francisco, Calif. Piano action. 2,513,191, June 27.

Martin, Lloyd M., San Francisco, Calif. Piano key. 2,530,712, Nov. 21.

Martin, Lloyd M., San Francisco, Calif. Key-frame for key-operated musical instruments. 2,530,832, Nov. 21.

Martin, Margaret J., assignee: *See*—
Martin, Stoddard B.

Martin, Melvin S., New Holland, Pa. Weighing scoop. 2,531,575, Nov. 28.

Martin, Mervin E., and T. M. Andrews, Cumberland, Md., assignors to Celanese Corporation of America. Cellulose esters. 2,522,580, Sept. 19.

Martin, Mervin E., and W. E. Kight, Cumberland, Md., assignors to Celanese Corporation of America. Ripening process. 2,523,384, Sept. 26.

Martin, Nora B., assignee: *See*—
Martin, Howard S.

Martin, Paul N.: *See*—
O'Hagan, Bernard E., and Martin.

Martin, Paul N., Penn Township, Allegheny County, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electron tube circuits. 2,497,505, Feb. 14.

Martin, Paul N., Penn Township, Allegheny County, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electron tube controlled relay circuit. 2,500,615, Mar. 14.

Martin, Paul N., Penn Township, Allegheny County, assignor to The Union Switch & Signal Company, Swissvale, Pa. Contact assembly for plug-in devices. 2,505,979, May 2.

Martin, Philip, New York, N. Y. Apparatus for calibrating distant-reading temperature devices. 2,535,083, Dec. 26.

Martin, Philip W., Huntington Park, Calif. Electrical well logging system. 2,501,953, Mar. 28.

Martin, Philip W., Huntington Park, Calif. Apparatus for determining movability of members in wells. 2,530,308, Nov. 14.

Martin, Philip W., Huntington Park, Calif. Device for determining relative movements of parts in wells. 2,530,309, Nov. 14.

Martin, Philip W., Huntington Park, assignor to McCullough Tool Company, Vernon, Calif. Gun perforator. 2,530,833, Nov. 21.

Martin, Philip W., Huntington Park, assignor to McCullough Tool Company, Vernon, Calif. Electrically fired perforating gun. 2,530,834, Nov. 21.

Martin, Raymond I., German Township, St. Joseph County, Ind., assignor to Keuffel & Esser Company, Hoboken, N. J. Drafting pencil. 2,514,003, July 4.

Martin, Robert A.: *See*—
Dreisbach, Robert R., Martin, and Erbel.

Martin, Robert F., and P. Price, Fort Worth, assignors to W. S. Wagley and A. L. Frazier, Taylor County, Tex. Window shade and curtain bracket. 2,506,160, May 2.

Martin, Robert T., Salem, Oreg. Fishing device. 2,516,133, July 25.

Martin, Samuel M., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for extruding organic plastic material. 2,511,986, June 20.

Martin, Stephen J.: *See*—
Curtis, Richard C., and Martin.

Martin, Stoddard B., Cleveland, Ohio; Central National Bank of Cleveland, executor of said Stoddard B. Martin, deceased, assignor to Margaret J. Martin. Pusher. 2,493,680, Jan. 3.

Martin, Sydney P.: *See*—
Parsons, Horace T., and Martin.

Martin, Thomas: *See*—
Hunter, Joseph L. and E. J., and Martin.
Hunter, Joseph L., and Martin.

Martin, Thomas B.: *See*—
Richardson, David A., Robinson, Martin, and Duer.

Martin, Thomas B., K. L. Berninger, J. F. Haines, J. R. May, P. E. Theobald, G. R. Taylor, and G. T. Neudeck, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Pitch shiftable propeller blade and torque unit therefor. 2,500,692, Mar. 14.

Martin, Thomas B., and K. L. Berninger, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Dual rotation propeller. 2,504,559, Apr. 18.

Martin, Thomas B., and H. R. Williams, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Spinner mounting. 2,520,687, Aug. 29.

Martin, Thomas B., and K. L. Berninger, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Aircraft propeller. 2,528,281, Oct. 31.

Martin, Tolly C., assignor of fifty per cent to F. D. Hice, Fort Dix, N. J. Washstand. 2,520,946, Sept. 5.

Martin, Trevellic O., Jackson, Tenn. Bait holder attachment for animal traps. 2,524,324, Oct. 3.

Martin, W & J, Limited, assignee: *See*—
Gaythwaite, Wilson R.

Martin, W. K., assignee: *See*—
Modlin, Franklin E.

Martin, Warren S., Massapequa, N. Y. Apparatus for converting material. 2,511,281, June 13.

Martin, Warren S., Massapequa, N. Y. Apparatus for converting crushed material. 2,521,591, Sept. 5.

Martin, Warren S., Massapequa, and C. Hennig, Freeport, assignors to Morse Boulger Destructor Company, New York, N. Y. Incinerator with centrally supported superimposed air supply means. 2,514,657, July 11.
Martin, Wayne E.: *See*— Cooper, Hugh S., Martin, Reiches, and Gray.
Martin, Wesley G., assignor to A. O. Smith Corporation, Milwaukee, Wis. Method and apparatus for applying sheet linings to cylinders. 2,493,153, Jan. 3.
Martin, Wesley G. and A. E. Raeuber, Jr., assignors to A. O. Smith Corporation, Milwaukee, Wis. Diaphragm valve. 2,520,771, Aug. 29.
Martin, William H., Jr., Sheffield, Ala. Magazine stove, including an air and gas mixing manifold. 2,509,308, May 30.
Martin, William M., San Mateo, assignor to The Schwarz Engineering Company, Inc., San Francisco, Calif. Apparatus and method for deaeration of liquids. 2,507,797, May 16.
Martin, William O., assignor to William O. Martin, Inc., Fort Smith, Ark. Automatic valve control means. 2,531,286, Nov. 21.
Martin, William O., Inc., assignee: *See*— Martin, William O.
Martin, William T., Tampa, Fla. Safety lock for license plates. 2,501,474, Mar. 21.
Martin, Winford L., Los Angeles, Calif. Beading strip. 2,523,223, Sept. 19.
Martindell, Frank, Western Springs, Ill., assignor to Illinois Watch Case Co. Pyrophoric lighter. 2,523,511, Sept. 26.
Martinelli, Ernest A., Arlington, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Antenna. 2,501,070, Mar. 21.
Martinelli, Raymond C.: *See*— Boelter, Llewellyn M. K., Dunkle, and Gier, and Martinelli.
Martines, Rene, Cranston, assignor, by mesne assignments, to Electric Terminal Corporation, Providence, R. I. Attaching wire terminals. 2,494,137, Jan. 10.
Martines, Rene, Cranston, R. I., assignor to Renay Products Engineering Co., Inc. Putty softening means. 2,526,249, Oct. 17.
Martinet, Eugene F., Cleveland, and S. J. Cedik, Euclid, assignors to The P. A. Geier Company, Cleveland, Ohio. Airtight tubular coupling. 2,500,955, Mar. 21.
Martinez, Donald S., Los Angeles, Calif. Hand-twirled fly-tying vise. 2,530,713, Nov. 21.
Martinez, Francisco M., Alcala de Guadaira-Sevilla, Spain. Apparatus for enciphering and deciphering cryptographic communications. 2,533,384, Dec. 12.
Martinez, John M., and O. K. Reinhardt, New Haven, Conn., assignors to Olin Industries, Inc. Flat dry primary battery. 2,521,800, Sept. 12.
Martini, Joseph J., New Dorp, N. Y. Dress form. 2,531,857, Nov. 28.
Martino, Joseph F., Elizabeth, N. J., assignor to American Cyanimid Company, New York, N. Y. Producing acrylonitrile. 2,501,651, Mar. 28.
Martino, Peter V., Long Island City, N. Y. Display fixture unit. 2,528,838, Nov. 7.
Martins, Arthur S.: *See*— Lamberty, Frederick R., Martins, and Wichman.
Marty, Frank A., Los Angeles, assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif. Rivet setting arm. 2,532,928, Dec. 5.
Marty, John M., Lakewood, Ohio. Cutter or disintegrator for seeds, grains, or the like. 2,511,357, June 13.
Marty, Mathew J., Jr.: *See*— Marty, Mathew J., Sr., and Marty, Jr.
Marty, Mathew J., Sr., and M. J., Jr., Chicago, Ill., said Marty, Jr. assignor to said Marty, Sr. Fastening device. 2,508,616, May 23.
Marusov, Nicholas, Penn Township, Allegheny County, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Viscometer. 2,503,676, Apr. 11.
Marvel Equipment Corporation, assignee: *See*— Floraday, Burton S.
Marvel, Harvey E.: *See*— Griffith, Clement P., and Marvel.
Marvel, Harvey E., assignor to Bowser, Inc., Fort Wayne, Ind. Liquid dispensing apparatus, including repeating stop mechanism. 2,504,433, Apr. 18.
Marver Metal Mfg. Co., assignee: *See*— Marini, Thomas O.
Marvin, Charles H., Sioux City, Iowa. Envelope printing press. 2,521,237. Sept. 5.
Marvin, Howard E., Pasadena, Calif. Folding golf bag cart. 2,518,803, Aug. 15.
Marvin, Philip R., Wauwatosa, assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Safety control system for gaseous fuel burners. 2,518,804, Aug. 15.
Marvin, Stanley, Oakland, and W. H. Orth, San Carlos, said Orth assignor, by mesne assignments, to Peerco Corporation, San Francisco, and said Marvin assignor, by mesne assignments, to Daco Metal Products, Oakland, Calif. Feeder means for conveyers. 2,535,804, Dec. 26.
Marx, George G., Detroit, Mich. Cable weight for hoists. 2,534,044, Dec. 12.
Marx, Joseph P., Hartford, Wis. Muffler with cup-shaped baffle. 2,511,597, June 13.
Marx, Louis, & Company, Inc., assignee: *See*— Carver, Richard N. Lohr, Raymond J., and Carver.
Marxer, Adrian: *See*— Miescher, Karl, Marxer, and Urech.
Marye, Robert B., Towson, Md., assignor to Bendix Aviation Corporation, South Bend, Ind. Method of and apparatus for checking frequency characteristics. 2,508,412, May 23.
Maryland Baking Company, Inc., assignee: *See*— Heyman, Albert A.
Maryland Paper Products Company, Inc., assignee: *See*— West, John B.
Mas, José A., Indianapolis, Ind., assignor, by mesne assignments, to Cornell-Dubilier Electric Corporation, South Plainfield, N. J. Parallel operation of vibrator systems. 2,498,893, Feb. 28.
Mas, Joseph A., Indianapolis, Ind., assignor, by mesne assignments, to Cornell-Dubilier Electric Corporation, South Plainfield, N. J. Vibrator device. 2,506,727, May 9.
Masal, Vincent, Reading, Pa. Arch supporting means. 2,496,802, Feb. 7.
Masaniello, Joseph, Astoria, N. Y. Clock winding mechanism. 2,519,917, Aug. 22.
Masbruch, Henry, assignor to Russell Manufacturing Company, Platteville, Wis. Calf weaner. 2,507,212, May 9.
Mascaro, Frank D., Ben Avon, Pa., assignor to American Steel Foundries, Chicago, Ill. Metal pouring mechanism. 2,510,407, June 6.
Maschek, Henry, San Francisco, Calif. Cigarette case with ejector and agitator. 2,529,776, Nov. 14.
Maschinenfabrik Heid Aktiengesellschaft, assignee: *See*— Petschauer, Johann.
Maschinenfabrik Oerlikon, assignee: *See*— Schorno, Eduard.
Mascolo, Delfino P., Brooklyn, N. Y. Double point surgical needle. 2,516,710, July 25.
Mascolo, Mario, New York, N. Y. Jig. 2,498,693, Feb. 28.
Mascuch, Joseph J., assignee: *See*— Nardone, Romeo M.
Masek, Fred E., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Hinged brace. 2,515,352, July 18.
Maselek, John A.: *See*— Lipnicki, Bernard and R., and Maselek.
Maseritz, Bernard D., Bloomfield, N. J., assignor to General Electric Company. Defrosting arrangement for refrigerating systems. 2,526,379, Oct. 17.
Mashinter, William H., Chicago, Ill. Fuel injector. 2,530,128, Nov. 14.
Masillo, Anthony: *See*— Elvan, John, and Masillo.
Masland, C. H., & Sons, assignee: *See*— MacCaffray, Rex S., Jr. Masland, Charles H., 2nd.
Masland, C. H., & Sons, Inc., assignee: *See*— Smith, Paul S.
Masland, Charles H., 2d., assignor to C. H. Masland & Sons, Carlisle, Pa. Carpet joint and process. 2,524,456, Oct. 3.
Masleck, John, Transcona, Manitoba, Canada. Clothesline laundry protector. 2,503,345, Apr. 11.
Mason, Charles R., Ballston Spa, S. B. Crary, and L. F. Kennedy, Schenectady, N. Y., assignors to General Electric Company. Loss of excitation protection. 2,523,771, Sept. 26.
Mason, Christopher, Los Angeles, Calif. Fracture fixation device. 2,500,993, Mar. 21.
Mason, David M., Linden, N. J., assignor to Standard Oil Development Company. Isolation of xylene isomers. 2,530,978, Nov. 21.
Mason, Donald E., Greensboro, N. C. Vibrating device. 2,520,044, Aug. 22.
Mason, Frederick P., assignor to Creed and Company Limited, Croydon, England. Receiver for start-stop printing telegraph signals. 2,504,997, Apr. 25.
Mason, Harry A., Silver Spring, Md., assignor to the United States of America as represented by the Secretary of the Navy. Apparatus for measuring transverse accelerations. 2,523,474, Sept. 26.
Mason, Harry G., Rock Stream, N. Y. Stepladder. 2,521,386, Sept. 5.
Mason, James F., and F. H. Hesch, Glen Cove, N. Y., assignors to Reynolds Metals Company, Richmond, Va. Apparatus for continuous anodizing of sheet metal. 2,494,954, Jan. 17.
Mason, James J., Chicago, Ill. Articulated conveyer. 2,494,302, Jan. 10.
Mason, Jasper K., Warner, N. H. Musical instrument. 2,494,251, Jan. 10.
Mason, John H., Brooklyn, N. Y. Mechanical pencil. 2,528,839, Nov. 7.
Mason, John K., Everett, and P. P. Crisp, assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Apparatus for embossing leather-like materials. 2,514,213, July 4.
Mason, John S., Columbus, Ohio. Speedboat. 2,495,588, Jan. 24.
Mason, Julien J.: *See*— Fulmer, Norman C., and Mason.
Mason, Laurence S., assignee: *See*— Gragg, Henry, and Bell.

Mason, Owen W., deceased; R. Mason, administrator, de bonis non, of said O. W. Mason, assignor to A. and J. Hill., Greentown, Ind. Urinal. 2,503,284, Apr. 11.
Mason, Ralph B., Baton Rouge, La., assignor to Standard Oil Development Company. Hydrogenation catalyst. 2,497,176, Feb. 14.
Mason, Ralph B., Baton Rouge, La., assignor to Standard Oil Development Company. Hydration of ethers. 2,519,061, Aug. 15.
Mason, Ralph B., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Forming oxide coatings on aluminum. 2,504,434, Apr. 18.
Mason, Ralph B., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Treating aluminum surfaces. 2,507,314, May 9.
Mason, Renzie, administrator: *See*—
Mason, Owen W.
Mason, Ruric C., and J. W. Coltman, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Photosensitive apparatus. 2,523,132, Sept. 19.
Mason, Thomas F., San Francisco, Calif. Pilot-controlled potato peeler. 2,521,987, Sept. 12.
Mason, Walter M., Woodstock, Ill. Wheel cleaner for row crop tractors. 2,499,519, Mar. 7.
Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Testing tank arranged for suppression of reflected compressional waves. 2,503,400, Apr. 11.
Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Fine wire delay line. 2,503,831, Apr. 11.
Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Obtaining high velocity with crystals. 2,514,080, July 4.
Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Apparatus for the determination of viscosity of liquids. 2,518,348, Aug. 8.
Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric power source. 2,522,389, Sept. 12.
Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Frequency selective system. 2,526,573, Oct. 17.
Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric power source. 2,531,230, Nov. 21.
Masonek, Harvey, assignee: *See*—
Samson, Joseph.
Masonite Corporation, assignee: *See*—
Boehm, Robert M.
Evans, Raymond N.
Evans, Raymond N., and Ingrassia.
Mitman, Harry A., and Evans.
Mass, Adolph, Maplewood, N. J. Combination lock. 2,497,619, Feb. 14.
Massa, Frank, Cleveland Heights, Ohio. Loud-speaker with diaphragm an integral part of outer casing. 2,496,483, Feb. 7.
Massa, Frank, Cleveland Heights, Ohio. Magnetostrictive phonograph pickup. 2,496,484, Feb. 7.
Massa, Frank, Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Piezoelectric crystal unit. 2,497,680, Feb. 14.
Massa, Frank, Cleveland Heights, Ohio. Resonant chamber for microphones. 2,518,805, Aug. 15.
Massa, Frank, Cleveland Heights, Ohio. Electroacoustic transducer. 2,518,993, Aug. 15.
Massa, Frank, Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Transducer means. 2,521,642, Sept. 5.
Massa, Frank, Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Transducer and system. 2,529,658, Nov. 14.
Massa, Frank, Cleveland Heights, Ohio. Phonograph needle. 2,531,067, Nov. 21.
Massachusetts Institute of Technology, assignee: *See*—
Edwards, Evan A.
Marcy, Henry T.
Massare, Quido P., Windham, Ohio. Camping trailer. 2,493,258, Jan. 3.
Massare, Quido P., Windham, Ohio. Liquid fuel burning heater and damper control. 2,495,857, Jan. 31.
Masset, Edouard, Basel, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J. 1,3,3-trimethyl-2,4-dioxo piperidine. 2,525,231, Oct. 10.
Massey, Albert G.: *See*—
Rodeck, Armin H., and Massey.
Massey, Arthur H., Alhambra, and D. Q. Park, Los Angeles, Calif. Egg gathering basket. 2,530,889, Nov. 21.
Massey, Dulas L., Houston, Tex. Coupling. 2,535,435, Dec. 26.
Massey, Frank M., assignee: *See*—
Surratt, Billie M.
Massey, George B., Chicago, Ill. Deepwater dredge. 2,496,101, Jan. 31.
Massey, George F., Fond du Lac, Wis. Babcock test mixer. 2,520,556, Aug. 29.
Massy, George H., Union Township, Union County, N. J. Journal bearing lubricator. 2,534,045, Dec. 12.
Massey-Harris Co. Ltd., assignee: *See*—
Bjerre, Peder, and Johnston.
Carroll, Thomas.
Ego, George R.
Pitt, Arnold.
Massey-Harris Company, The, assignee: *See*—
Everett, Charles V.
Todd, Everett W.
Massey, John S.: *See*—
Weygant, Robert M., and Massey.
Massey Machine Company, assignee: *See*—
Rodeck, Armin H., and Massey.
Massey, William B., Richmond, Va. Antiskid device. 2,504,032, Apr. 11.
Massiello, Manfred, Englewood, N. J., assignor to C. Gottfried, New York, N. Y. Conveyer system for oven trays and the like. 2,512,356, June 20.
Massillon-Cleveland-Akron Sign Company, The, assignee: *See*—
Kies, Elliott J.
Massinger, Albert M., Cleveland Heights, Ohio. Microscope substage slide marker. 2,508,413, May 23.
Mast, Gifford M., and W. K. Gannett, Davenport, Iowa, assignors to Keystone View Company, Meadville, Pa. Telebinocular instrument for conducting vision tests in industrial occupations. 2,533,385, Dec. 12.
Mast, William C., Philadelphia, Pa., assignor to the United States of America as represented by the Secretary of Agriculture. Preparation of aqueous dispersions by polymerization in the presence of ammonium alginate. 2,498,694, Feb. 28.
Mast, William C., Philadelphia, and C. H. Fisher, Abington, Pa., assignors to the United States of America as represented by the Secretary of Agriculture. Synthetic rubberlike materials. 2,509,513, May 30.
Master Builders Company, The, assignee: *See*—
Kaufman, Robert R.
Master Electric Company, The, assignee: *See*—
Beeman, Lyle.
Berger, Arthur F.
Joy, Henry M.
Leffar, Jerome.
Master Lock Company, assignee: *See*—
Soref, Harry E., and Foote.
Masteradio Limited, assignee: *See*—
Pollock, Robert.
Mastercrafters Clock & Radio Company, assignee: *See*—
Lerman, Ben.
Masters, Edwin L., Benton Harbor, Mich. Fertilizer spreader. 2,513,810, July 4.
Masters, Edwin L., Benton Harbor, Mich. Agitator for fertilizer spreaders. 2,526,609, Oct. 17.
Masters, Edwin L., Benton Harbor, Mich. Fertilizer spreader. 2,533,386, Dec. 12.
Masters, Robert W., Erlton, N. J., assignor to Radio Corporation of America. Radio frequency transmission network. 2,495,589, Jan. 24.
Masters, Robert W., Erlton, N. J., assignor to Radio Corporation of America. Directional antenna. 2,510,290, June 6.
Masters, Robert W., Erlton, N. J., assignor to Radio Corporation of America. Broadcast antenna. 2,511,931, June 20.
Masterson, Earl E., Palmyra, N. J., assignor to Radio Corporation of America. Magnetic recording-reproducing transducer. 2,524,063, Oct. 3.
Masterson, Earl E., Palmyra, N. J., assignor to Radio Corporation of America. Protecting system for camera viewing areas. 2,527,436, Oct. 24.
Masterson, Earl E., Palmyra, N. J., assignor to Radio Corporation of America. Invisible sound record editor. 2,528,699, Nov. 7.
Masterson, Earl E., Palmyra, and N. Urquhart, Merchantville, N. J., assignors to Radio Corporation of America. Reeling system for plural track magnetic records. 2,524,064, Oct. 3.
Masterson, William F., Decatur, assignor, by mesne assignments, to Faries Manufacturing Company, Chicago, Ill. Desk type lamp. 2,511,780, June 13.
Mastin, Robert G., Okmulgee, assignor to Cities Service Oil Co., Bartlesville, Okla. Colored lubricating oil. 2,508,617, May 23.
Mastriani, Elvin A.: *See*—
Ashton, Everett H., Mastriani, and Mallard.
Stephensen, Frederik, and Mastriani.
Mastriani, Elvin A., Newark, N. J., assignor to The M. W. Kellogg Company, New York, N. Y. Warp stop mechanism. 2,522,629, Sept. 19.
Mastriani, Elvin A., Cedar Grove, assignor to The M. W. Kellogg Company, Jersey City, N. J. Detector device. 2,522,834, Sept. 19.
Mastriani, Elvin A., assignor, by mesne assignments, to Steel and Alloy Tank Company, Newark, N. J. Shipper mechanism. 2,533,130, Dec. 5.
Mastriani, Elvin A., Newark, and Karol Kulczycki, assignors to The M. W. Kellogg Company, Jersey City, N. J. Lay guide. 2,493,634, Jan. 3.
Masurovsky, Benjamin I., Bronx, assignor to Choco-Essence Inc., New York, N. Y. Chocolate essence or extract. 2,512,663, June 27.
Masury-Young Company, assignee: *See*—
Cavanagh, John F.
Lilly, Howard C.

Matasy, Joseph S., and A. P. Ballantyne, Youngstown, Ohio. Fish lure. 2,502,577, Apr. 4.
Matchlett Laboratories Incorporated, assignee: *See*—
Fengler, William W., and Skehan.
Mategorin, Theodore J., assignor to Bendix Aviation Corporation, Detroit, Mich. Fluid control device. 2,512,956, June 27.
Mateo, Leon, Laoag, Ilocos Norte, P. I. Rice planter's thumb protector. 2,502,266, Mar. 28.
Material Progress Corporation, assignee: *See*—
Hunter, Eldred T.
Materials Handling Laboratories, Inc., assignee: *See*—
Cahners, Norman L.
Matheis, Aaron, Michigan City, Ind., assignor to Josam Manufacturing Company, Cleveland, Ohio. Flow regulator for grease interceptors and the like. 2,515,460, July 18.
Matheis, Aaron, Michigan City, Ind., assignor to Josam Manufacturing Company, Cleveland, Ohio. Floor drain fixture. 2,519,843, Aug. 22.
Matheis, Aaron, Michigan City, Ind., assignor to Josam Manufacturing Company, Cleveland, Ohio. Air relief for grease interceptors. 2,524,201, Oct. 3.
Matheis, Nickolas A., St. Paul, Minn. Springless electric push-button switch. 2,523,438, Sept. 26.
Matheisel, Rudolph, Northfield, N. H. Inverse rotor. 2,509,442, May 30.
Mather, John C., and F. G. Shenton, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Automatic aperture controlling device. 2,499,322, Feb. 28.
Mathers, Edward S., assignor to Atlas Materials Incorporated, Baltimore, Md. Load transfer assembly. 2,521,643, Sept. 5.
Mathers, Edward S., Baltimore, assignor to Highway Supply Corporation, Jessup, Md. Longitudinal contraction unit. 2,521,644, Sept. 5.
Mathers, Harry M.: *See*—
Crary, Jay D., and Mathers.
Mathes, Kenneth N., Schenectady, N. Y., assignor to General Electric Company. Curing of hydrocarbon-substituted polysiloxane resins with benzyl trimethyl ammonium butoxide. 2,518,160, Aug. 8.
Mathes, Kenneth N., Schenectady, N. Y., assignor to General Electric Company. Making an organopolysiloxane insulated copper conductor. 2,523,037, Sept. 19.
Mathes, Richard E.: *See*—
Smith, J. Ernest, and Mathes.
Mathes, Robert C.: *See*—
Barney, Harold L., and Mathes.
Mathes, Roger A., and F. D. Stewart, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. 3-monocarboxylic acids -2-thiono-thiazines and their production. 2,514,004, July 4.
Mathes, Roger A., and F. D. Stewart, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. 2-mercapto-3,6-dihydropyrimidine-3-monocarboxylic acids and esters of these acids. 2,535,857, Dec. 26.
Mathes, Roger A., and F. D. Stewart, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. 2-mercapto-3-amino-3,6-dihydropyrimidines. 2,535,858, Dec. 26.
Matheson, George L., Union, N. J., assignor to Standard Oil Development Company. Contacting solids and gases. 2,533,026, Dec. 5.
Matheson, Gilbert R. W., Winnipeg, Manitoba, Canada. Gas generating device. 2,511,118, June 13.
Matheson, Lorne A., assignor to The Dow Chemical Company, Midland, Mich. Bonding cellular thermoplastic bodies. 2,521,470, Sept. 5.
Mathews, Albert L., Greensboro, N. C. Tool for leveling protuberances in sheet metal. 2,526,380, Oct. 17.
Mathews, Bernard C.: *See*—
Anderson, Arthur A., and Mathews.
Mathews Conveyer Company, assignee: *See*—
Lampard, Frank S.
Mathews, Donald E., Rockford, Ill. Sine bar. 2,494,715, Jan. 17.
Mathews, Frank J., Hollywood, Calif. Dry ore concentrator. 2,518,043, Aug. 8.
Mathews, Keith L., assignor to The Pelton Water Wheel Company, San Francisco, Calif. Seal ring. 2,528,895, Nov. 7.
Mathewson, Clarke, and E. Carter, Lake City, Fla., said Mathewson assignor to said Carter. Post peeling machine having rotatable chain-carrying drum. 2,520,421, Aug. 29.
Mathewson Machine Works, Inc., assignee: *See*—
Mathewson, Wilfred F.
Mathewson, Wilfred F., Boston, assignor to Mathewson Machine Works, Inc., Quincy, Mass. Pulp screen. 2,525,701, Oct. 10.
Mathias, Berton M., Monte Vista, Colo. Crane with portable boom. 2,521,861, Sept. 12.
Mathieson Chemical Corporation, assignee: *See*—
Aston, Royden N.
Carr, Ralph L.
Cederquist, Karl N.
Churchill, John W.
Clark, Charles C.
Erickson, Edwin R.
Gardiner, William C.
Haller, John F.
Hesse, Alfred H.
Mathieson Chemical Corporation, assignee: *See*—Continued.
Kamlet, Jonas.
MacMahon, James D.
MacMahon, James D., and Taylor.
Nevins, Samuel L., and Gilliam.
Richardson, Chester N.
Vincent, George P., and Dubeau.
Woodward, Eric R.
Mathieson Chemical Corporation, The, assignee: *See*—
Hutchinson, Willis S.
Sprague, Owen F.
Taylor, Maurice C.
Woodward, Eric R.
Mathieu, Roger E.: *See*—
Macdonald, Angus A., and Mathieu.
Mathis, Waddy T., Hamden, Conn. Liquid-measuring dispenser. 2,517,796, Aug. 8.
Mathis, Willard: *See*—
Aspenwall, Carl, Smith, and Mathis.
Mathis, William R., Tampa, Fla. Molding apparatus. 2,526,381, Oct. 17.
Mathis, William R., Tampa, Fla. Method of constructing walls having horizontal and vertical voids. 2,533,131, Dec. 5.
Mathot, Jacques: *See*—
Coutant, Andre, and Mathot.
Coutant, André C., and Mathot.
Mathy, Eugene V., Bartlesville, Okla., assignor to Phillips Petroleum Company. Catalytic apparatus. 2,535,944, Dec. 26.
Mathys, Max A., assignor to Ex-Cell-O Corporation, Detroit, Mich. Small hydraulic unit. 2,526,034, Oct. 17.
Mathys, Max A., assignor to Ex-Cell-O Corporation, Detroit, Mich. Hydraulic mechanism. 2,531,340, Nov. 21.
Matland, Carl G., New York, N. Y., and L. Katz, Forest Hills, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Radio frequency control system. 2,530,979, Nov. 21.
Matras, Frank D., assignor to Frabill Manufacturing Company, Milwaukee, Wis. Fishing bobber. 2,527,437, Oct. 24.
Matson, Carroll H., assignor to The Glenn L. Martin Company, Middle River, Md. Antenna installation on airplanes. 2,495,748, Jan. 31.
Matson, Charles H., New York, N. Y. Fishing reel seat. 2,517,224, Aug. 1.
Matsumoto, Josuke, Dinuba, Calif. Pair button fastening. 2,500,694, Mar. 14.
Mattano, Leonard A., and L. W. Mixon, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Lubricants. 2,503,401, Apr. 11.
Matte, Andrew L., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Carrier wave signal system. 2,502,971, Apr. 4.
Mattei, James, Myrtle Point, Oreg. Mirror protector. 2,524,731, Oct. 3.
Mattel Creations, Inc., assignee: *See*—
Blair, Nathan Paul.
Duncan, Theodore R.
Handler, Elliot.
Matter, Albert J., Park Ridge, assignor to American Decalcomania Company, Inc., Chicago, Ill. Method of and mechanism for applying stamps. 2,516,783, July 25.
Matter, Ernst, Zurich, Switzerland, assignor to I. Bloom, Gary, Ind. Electrical advertising device for displaying articles. 2,507,641, May 16.
Mattern, Arnold L., Winnipeg, Manitoba, Canada, assignor to Remington Rand Inc., New York, N. Y. Grip for copyholder clamps. 2,524,457, Oct. 3.
Mattern, Raymond P., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control apparatus. 2,522,721, Sept. 19.
Matteson, Harold J., assignor to General Controls Co., Glendale, Calif. System for controlling refrigeration. 2,504,435, Apr. 18.
Matteson, Harold J., assignor to General Controls Co., Glendale, Calif. Orifice cartridge. 2,524,569, Oct. 3.
Matteson, Harold J., assignor to General Controls Co., Glendale, Calif. Refrigerant control system. 2,533,600, Dec. 12.
Matthaei, Frederick C., Jr.: *See*—
Williams, Richard J., Stine, and Matthaei.
Matthaei, Frederick C., Jr., assignor to American Metal Products Company, Detroit, Mich. Zigzag spring construction having central supporting portion. 2,526,250, Oct. 17.
Matthews, Alfred C., Fox Chase Manor, assignor to Philco Corporation, Philadelphia, Pa. Tone arm latching mechanism. 2,525,926, Oct. 17.
Matthews, Arthur F., Ferguson, Mo., assignor to Curtiss-Wright Corporation. Roller type hinge. 2,494,347, Jan. 10.
Matthews, Birchard L., and E. J. Zarybnicky, assignors to The W. J. Schoenberger Company, Cleveland, Ohio. Ignition system for gas or liquid fuel appliances. 2,493,889, Jan. 10.
Matthews, Birchard L., and E. J. Zarybnicky, assignors to The W. J. Schoenberger Company, Cleveland, Ohio. Ignition system for gas or liquid fuel appliances. 2,493,890, Jan. 10.
Matthews, Cecil V.: *See*—
Stewart, Daniel W., Jr., Mitchell, and Matthews.

Matthews, Charles, and H. M. Wenger, East Earl, Pa. Barn cleaning apparatus. 2,533,676, Dec. 12.
Matthews, Jas. H., & Co., assignee: *See*—
Escher, Joseph M.
Matthews, Joseph N., Lakewood, Ohio. Apparatus for determining the depth of liquid in tanks. 2,518,484, Aug. 15.
Matthews, Leigh M., Moline, Ill., assignor to Montgomery Elevator Company. Load limit control. 2,506,805, May 9.
Matthews, Louis L., assignor to Maxson Automatic Machinery Company, Westerly, R. I. Feeding and stacking machine. 2,521,075, Sept. 5.
Matthews, Robinson E.: *See*—
Harrison, Ward D., and Matthews.
Matthews, Russell, Wauwatosa, assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Safety shut-off control system for gas burners. 2,513,578, July 4.
Matthews, Stanley R., and T. J. Darlington, Winston Salem, N. C. Mercury safety switch. 2,509,514, May 30.
Matthews, Thomas J., Paradise, Pa. Block remover and conveyer for concrete block machines. 2,517,905, Aug. 8.
Matthews, W. N., Corporation, assignee: *See*—
Birkenmaier, Theodore.
Mosley, Carl E.
Turner, John L.
Matthews, Walter I., Riverhead, N. Y., assignor to Radio Corporation of America. Diversity receiver. 2,504,341, Apr. 18.
Matthews, Walter I., Riverhead, N. Y., assignor to Radio Corporation of America. Diversity receiving system. 2,512,811, July 4.
Matthews, William H.: *See*—
Ward, Robert N., and Matthews.
Matthey-Doret, André, Wettingen, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Protective arrangement for electric lines. 2,528,896, Nov. 7.
Mattheyses, Marcel J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Battery-charging system. 2,509,239, May 30.
Matthias, Lynn H., Fox Point, assignor to Allen-Bradley Company, Milwaukee, Wis. Electron tube timing relay. 2,507,377, May 9.
Matthias, Lynn H., Fox Point, and E. C. Ragatz, Whitefish Bay, assignors to Allen-Bradley Company, Milwaukee, Wis. Contact for electrical switches. 2,496,555, Feb. 7.
Matthias, Lynn H., Fox Point, and K. K. Stong, Whitefish Bay, assignors to Allen-Bradley Company, Milwaukee, Wis. Holding relay with permanent magnet. 2,505,904, May 2.
Mattieson, Paul, Dearborn, Mich. Weedless fishhook. 2,506,883. May 9.
Mattikow, Morris: *See*—
Kuble, William L., and Mattikow.
Taub, Abraham, and Mattikow.
Mattikow, Morris, New York, N. Y., assignor to B. Clayton, doing business under the fictitious name and style of Refining, Unincorporated. Purification of oil. 2,525,-702, Oct. 10.
Mattil, Karl F., assignor to Swift & Company, Chicago, Ill. Treatment of glyceride oils. 2,518,917, Aug. 15.
Mattil, Karl F., assignor to Swift & Company, Chicago, Ill. Treatment of glyceride oils. 2,524,732, Oct. 3.
Mattingly, Virdean R., Houston, Tex., and G. C. Mallory, New Iberia, La. Pump piston. 2,499,662, Mar. 7.
Mattis, Amos R., Providence, R. I. Frangible bottle cap. 2,524,458, Oct. 3.
Mattison, Ralph W., Vallejo, Calif. Valve. 2,535,310, Dec. 26.
Mattison, Raymond E., Oklahoma City, Okla. Metal awning. 2,518,044. Aug. 8.
Mattke, Charles F., Jackson Heights, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Radar antenna driving mechanism. 2,530,890, Nov. 21.
Mattke, Charles F., Jackson Heights, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Rotary multicontact device. 2,530,891, Nov. 21.
Mattos, Antone: *See*—
Robertson, Charles S., and Mattos.
Mattox, William J., Baton Rouge, La., assignor to Standard Oil Development Company. Regenerating a fluidized Fischer-Tropsch catalyst. 2,515,245, July 18.
Mattson, John J., Des Plaines, Ill. Auto chains. 2,519,268, Aug. 15.
Mattson, Raymond W., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Sulfonation process. 2,523,582. Sept. 26.
Mattson, William M., assignor to Concord Mica Corporation, Concord, N. H. Obtaining mica. 2,498,111, Feb. 21.
Matulaitis, Victor E.: *See*—
Toot, David F., and Matulaitis.
Matulaitis, Victor E., and P. M. Byam, Rochester, N. Y., assignors to Fasco Industries, Inc. Bimetallic thermostatic element. 2,533,274, Dec. 12.
Matuszak, Maryan P., Bartlesville, Okla., assignor to Phillips Petroleum Company. Alkylating isoparaffins with 2-olefins. 2,502,015, Mar. 28.
Matuszak, Maryan P., Bartlesville, Okla., assignor to Phillips Petroleum Company. Recovery of hydrogen halides. 2,520,947, Sept. 5.
Matzkin, Boris: *See*—
Malki, Moises, Matzkin, and Goldman.
Mau, Earl G., Racine, Wis. Sink guard. 2,510,238, June 6.
Mau, George A., Lakewood, Ohio, assignor to Johnson-March Corporation, Philadelphia, Pa. Valve construction for proportioning devices. 2,534,046, Dec. 12.
Mauch, Fred A., San Francisco, assignor of one-half to R. Mayne, Monterey, and one-half to L. F. Johnson, Redwood City, Calif. Automatic window shade control. 2,510,408, June 6.
Maud, Fred: *See*—
Hess, Frederic O., Maud, and Stoertz.
Hess, Frederic O., Maud, and Troupe.
Mauer, Frederick, Matawan, N. J. Barrel cover locking means. 2,493,204, Jan. 3.
Mauge, Marcel R.: *See*—
Borel, Pierre C., and Mauge.
Maugé, Maurice, Paris, France, assignor to General Electric Company, Cleveland, Ohio. Apparatus for bending glass bodies. 2,518,918, Aug. 15.
Maulbetsch, Herman J., assignee: *See*—
Christy, Nixon O.
Maule, Belford D., Michigan Center, Mich. Steerable and full swiveling tail wheel. 2,494,482, Jan. 10.
Maule, Belford D., Michigan Center, Mich. Tail wheel mounting. 2,498,112, Feb. 21.
Maulsby, Leon K., assignee: *See*—
Turner, William E.
Mauney, Edwin Y., Shelby, N. C. Packaging hosiery. 2,521,529, Sept. 5.
Maunula, Otto A., Palo Alto, Calif. Filter control valve. 2,532,177, Nov. 28.
Maurer, Edward C., St. Paul, Minn. Superheated steam garment finisher. 2,530,067, Nov. 14.
Maurer, Fred C., North Lima, assignor to The Kenmar Manufacturing Company, East Palestine, Ohio. Reclining chair with stationary arms. 2,516,712, July 25.
Maurer, Fred C., North Lima, assignor to The Kenmar Manufacturing Company, East Palestine, Ohio. Reclining chair and footstool. 2,526,623, Oct. 24.
Maurer, J. A., Inc., assignee: *See*—
Maurer, John A., Jr.
Maurer, James A., Whitefish Bay, and W. R. Lindemann, Milwaukee, Wis. Sail construction. 2,499,598, Mar. 7.
Maurer, John A.: *See*—
Binus, David J., and Maurer.
Maurer, John A., Jr., New York, assignor to J. A. Maurer, Inc., Long Island City, N. Y. Variable density recording optical system. 2,497,952, Feb. 21.
Maurer, John A., Jr., New York, assignor to J. A. Maurer, Inc., Long Island City, N. Y. Impulse recording optical system. 2,497,953, Feb. 21.
Maurer, John A., Jr., New York, assignor to J. A. Maurer, Inc., Long Island City, N. Y. Recording electrical impulses and impulse record produced thereby. 2,519,194, Aug. 15.
Maurer, John A., Jr., New York, assignor to J. A. Maurer, Inc., Long Island City, N. Y. View finder focusing and parallax adjustment mechanism. 2,519,195, Aug. 15.
Maurer, Robert H.: *See*—
Burdick, Everette M., and Maurer.
Maurer, Spencer B., and H. P. Ebert, Cleveland, Ohio, assignors to Chicago Pneumatic Tool Company, New York, N. Y. Gas hammer. 2,533,487, Dec. 12.
Maurer, Theodore H., Richmond Hill, N. Y. Ornamental simulated handkerchief. 2,513,884, July 4.
Mauro, Arthur, and J. J. Shanahan, New York, N. Y. Dentifrice dispensing device. 2,521,928, Sept. 12.
Maus, Richard J., Buffalo, N. Y. Mounting for dial test indicators. 2,533,949, Dec. 12.
Maussnest, Frederick K., assignor to Hedwig Maust, Queens Village, N. Y. Blanking and drawing press. 2,532,320, Dec. 5.
Maust, Ernest J., Lakeland, Fla., assignor to Coronet Phosphate Company, New York, N. Y. Defluorination of phosphate rock. 2,499,767, Mar. 7.
Maust, Ernest J., Lakeland, Fla., assignor to Coronet Phosphate Company, New York, N. Y. Defluorinating phosphatic material. 2,531,068, Nov. 21.
Maust, Ernest J., and C. A. Hollingsworth, Lakeland, Fla., assignors to Coronet Phosphate Company, New York, N. Y. Forming porous nodules. 2,533,027, Dec. 5.
Maust, Hedwig, assignee: *See*—
Maussnest, Frederick K.
Maust, Marshall S., Scottdale, Pa. Apparatus for returning matrices to linotype machines. 2,533,488, Dec. 12.
Mautner, Robert S.: *See*—
Ostreicher, Warren J., and Mautner.
Mautner, Robert S., New York, N. Y., assignor to Radio Corporation of America. Variable resistance capacity arrangement. 2,505,980, May 2.
Mautner, Robert S., New York, N. Y., assignor to Radio Corporation of America. Synchronizing system. 2,508,923, May 23.
Mavity, Julian M., assignor to Universal Oil Products Company, Chicago, Ill. Isomerization of hydrocarbons. 2,501,071, Mar. 21.
Mavity, Julian M., Hinsdale, assignor to Universal Oil Products Company, Chicago, Ill. Regeneration of aluminum halide sludges. 2,517,692, Aug. 8.

Mavity, Julian M., Hinsdale, assignor to Universal Oil Products Company, Chicago, Ill. Manufacture of improved solid phosphoric acid catalyst. 2,525,144, Oct. 10.
Mavity, Julian M., Hinsdale, assignor to Universal Oil Products Company, Chicago, Ill. Supported phosphoric acid-boric acid catalyst and its manufacture. 2,525,145, Oct. 10.
Mavor & Coulson, Limited, assignee: *See*—
Mavor, John B.
Sproul, John C.
Thomson, James, and McCulloch.
Mavor, John B., assignor to Mavor & Coulson, Limited, Glasgow, Scotland. Rope haulage apparatus for mines. 2,523,871, Sept. 26.
Mavrakis, Gus H., Billings, Mont. Shoe. 2,493,154, Jan. 3.
Mawbey, Lawrence, Leicester, England, assignor to United Shoe Machinery Corporation, Flemington, N. J. Sole fitting machine. 2,498,762, Feb. 28.
Mawbey, Lawrence, Leicester, England, assignor to United Shoe Machinery Corporation, Flemington, N. J. Sewing machine. 2,526,760, Oct. 24.
Max, Fritz, Easton, Pa., and D. I. Randall, Phillipsburg, N. J., assignors to General Aniline & Film Corporation, New York, N. Y. Anthraquinone thioxanthone dicarbazoles. 2,495,014, Jan. 17.
Max, Fritz, Easton, Pa., and D. I. Randall, Phillipsburg, N. J., assignors to General Aniline & Film Corporation, New York, N. Y. Vat dyes of the anthrimide carbazole acridone type. 2,501,645, Mar. 21.
Max, Fritz, Easton, Pa., and D. I. Randall, Phillipsburg, N. J., assignors to General Aniline & Film Corporation, New York, N. Y. Dyestuffs of the anthraquinone acridone series. 2,507,479, May 9.
Max, Fritz, Easton, Pa., and W. Schmidt-Nickels, Little York, N. J., assignors to General Aniline & Film Corporation, New York, N. Y. Dibenzanthrone dyestuff. 2,515,723, July 18.
Max, Fritz, Staten Island, N. Y., and D. I. Randall, Phillipsburg, N. J., assignors to General Aniline & Film Corporation, New York, N. Y. Vat dyes of the anthrimide carbazole thioxanthone type. 2,533,170, Dec. 5.
Max, Fritz, Staten Island, N. Y., and W. Schmidt-Nickels, Little York, N. J., assignors to General Aniline & Film Corporation, New York, N. Y. Preparation of benzothiophene anthraquinones. 2,533,171, Dec. 5.
Max, Fritz, Easton, Pa., and D. I. Randall, Phillipsburg, N. J., assignors to General Aniline & Film Corporation, New York, N. Y. 2,3-derivatives of 1,4-dihaloanthraquinones. 2,533,193, Dec. 5.
Max, Nicolaas, Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Recovery of aldehydes. 2,514,961, July 11.
Maxant, William T., Ayer, Mass. Hedge trimmer. 2,498,564, Feb. 21.
Maxey, William M., Toronto, Ontario, Canada. Plywood floor tile. 2,516,329, July 25.
Maxim, Oren B., and E. D. Janes, assignors to Scoville Manufacturing Company, Waterbury, Conn. Capped prong ring. 2,519,585, Aug. 22.
Maxim Silencer Company, The, assignee: *See*—
Bourne, Roland B.
Bourne, Roland B., and Chase.
Bourne, Roland B., and Knapp.
Maxson, Amelia, Jersey City, N. J. Grip presser foot for sewing machines. 2,513,343, July 4.
Maxson Automatic Machinery Company, assignee: *See*—
Matthews, Louis L.
Maxson, Clarence G.: *See*—
Ries, Edward J., and Maxson.
Maxson, Lisle J., U. S. Navy. Snubbing means for catapult carriages. 2,514,406, July 11.
Maxson, Lisle J., United States Navy, and F. B. Gross, Langley, Va. Flush deck catapult. 2,523,314, Sept. 26.
Maxson, W. L., Corporation, The, assignee: *See*—
McLaren, Peter J., and Benson.
Maxwell, Carl A.: *See*—
Rekettye, Paul, and Maxwell.
Maxwell, Carl A., Akron, Ohio, assignor to The Babcock & Wilcox Company, Newark, N. J. Tube expander. 2,493,006, Jan. 3.
Maxwell, Frank R.: *See*—
Szekely, Otto E.
Maxwell, Fred A., assignor to J. E. Maxwell, Bedford, Ohio. Adjustable toolholder. 2,499,151, Feb. 28.
Maxwell, Fred A., assignor to J. E. Maxwell, Bedford, Ohio. Taper measuring device. 2,500,558, Mar. 14.
Maxwell, Grover C., and O. C. Buchholtz, Maspeth, N. Y. Rope fastening device. 2,506,274, May 2.
Maxwell, Ira C., assignor to The Unipress Company, Incorporated, Minneapolis, Minn. Sleeve pressing machine with movable support for the open end of the buck. 2,510,239, June 6.
Maxwell, Ira C., and O. H. Langen, assignors to The Unipress Company, Incorporated, Minneapolis, Minn. Work holder mechanism. 2,524,709, Oct. 3.
Maxwell, Jack E., assignee: *See*—
Maxwell, Fred A. and J. E.
Maxwell, John D., Glen Head, assignor to Powers Photo Engraving Company, Glen Cove, N. Y. Photomechanical printing frame. 2,534,784, Dec. 19.
Maxwell, Thomas, Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Socket assembly tool. 2,496,591, Feb. 7.
Maxwell, Weyman E., assignor to The Standard Electric Time Company, Springfield, Mass. Electric-impulse counter. 2,507,798, May 16.
Maxwell, Willard A., Portland, Oreg. Opposed piston engine, four cycle. 2,495,978, Jan. 31.
Maxwell, William T.: *See*—
Lindsey, Frank A., Jr., and Maxwell.
May & Baker Limited, assignee: *See*—
Barber, Harry J.
Ewins, Arthur J.
May Brothers Manufacturing Company, Inc., assignee: *See*—
Erickson, Paul N.
May, Cal C., Jewett, Tex. Melon carrier. 2,509,573, May 30.
May, Charles F.: *See*—
Ketcham, Edward K., May, and Jagow.
May, Dennis W., assignee: *See*—
Childress, Patrick H.
May, Edward M., Detroit, Mich. Follow-up type power amplifier. 2,503,447, Apr. 11.
May, George, Wembley, assignor to Dufay-Chromex Limited, London, England. Apparatus for building up structural elements from paper sheets. 2,527,752, Oct. 31.
May, Harry C., East McKeesport, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Prime mover control apparatus of the fluid pressure type. 2,501,729, Mar. 28.
May, Harry C., East McKeesport, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Control valve mechanism. 2,508,181, May 16.
May, Harry C., East McKeesport, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure control system for multiple turbine installations. 2,515,962, July 18.
May, Herbert W., Mauston, Wis. Pelt fleshing machine. 2,513,885, July 4.
May, Howard F.: *See*—
Holmes, John R., May, and Hayden.
May, Hubert H., Hartford, Conn. Dressing holder for grinding wheels. 2,515,091, July 11.
May, James R.: *See*—
Martin, Thomas B., Berninger, Haines, May, Theobald, Taylor, and Neudeck.
May, James R., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Propeller control. 2,507,671, May 16.
May, James R., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Propeller control. 2,509,104, May 23.
May, James R., J. F. Haines, and D. A. Richardson, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Fluid controlled propeller. 2,527,022, Oct. 24.
May, John, Detroit, Mich. Knife sharpener. 2,527,021, Oct. 24.
May, John W., Durham, N. C., assignor to Wright Machinery Company. Wrapping machine. 2,526,824, Oct. 24.
May, Joseph L., Portland, Oreg. Mower. 2,514,407, July 11.
May, Joseph L., Portland, Oreg. Rotating cutting disk power mower. 2,523,439, Sept. 26.
May, Madeline, Chicago, Ill., assignor, by mesne assignments, to New York Motor Coach Advertising Inc. Electronic measuring and detecting apparatus. 2,518,045, Aug. 8.
May, Otto H., Schwabisch Gmund, Germany. Self-breaking toggle. 2,532,850, Dec. 5.
May, Ray D., Seaside, Oreg. Fluid mingling muffler with fibrous walled side branch chambers. 2,508,463, May 23.
May, Richard W., Cedar Rapids, Iowa, assignor to Collins Radio Company. Shaft positioning apparatus. 2,504,998, Apr. 25.
May, Richard W., Cedar Rapids, Iowa, assignor to Collins Radio Company. Shaft positioning apparatus. 2,512,664, June 27.
May-Sloan Inc., assignee: *See*—
Mayer, Siegfried F.
May, Thomas G., New York, N. Y. Hatch cover. 2,527,367, Oct. 24.
May, Thomas L., New York, assignor to Hi-Ampere Tools Corporation, Bronx, N. Y. Welding device. 2,521,471, Sept. 5.
May, Thomas Lestler, assignor, by mesne assignments, to Reliance Hydraulic Press, Inc., New York, N. Y. Clutch and brake mechanism for presses. 2,493,495, Jan. 3.
Maybelline Company, assignee: *See*—
Baumgartner, John G.
Mayberry, C. R.: *See*—
Mayberry, William H. and C. R.
Mayberry, John H., Washington, D. C. Music chord indicator and transposing device. 2,497,364, Feb. 14.
Mayberry, Leonard A., Wheaton, Ill., assignor to The Hallicrafters Co. Superregenerative circuit. 2,511,409, June 13.
Mayberry, Robert C., Statesville, N. C. Ladder extension. 2,503,626, Apr. 11.
Mayberry, William H. and C. R., Kennet, Mo. Plant thinner. 2,505,560, Apr. 25.

Mayer, Albert C., St. Louis, Mo., and J. J. Blackmore, Edwardsville, Ill. Pipe severing device. 2,511,358, June 13.

Mayer, Augustine, Jackson Heights, assignor to Morse Boulger Destructor Company, New York, N. Y. Mechanically stoked incinerator with hinged stoker arms. 2,514,658, July 11.

Mayer, Carl F., Lakewood, Ohio. Drying apparatus for molds. 2,509,396, May 30.

Mayer, Charles M., assignor to The Tappan Stove Company, Mansfield, Ohio. Indicator for cooking ranges. 2,494,892, Jan. 17.

Mayer, Elinor H., assignee: *See*—
Hayden, David H.

Mayer, Erwin, Corona, and J. F. Coles, Valley Stream, N. Y., assignors to Neptune Meter Company. Resettable register. 2,494,955, Jan. 17.

Mayer, Eugene, Strasbourg, France. Corrugating metal sheets. 2,510,024, May 30.

Mayer, Harry F., Baldwinsville, N. Y., assignor to General Electric Company. Electronic timing system. 2,497,681, Feb. 14.

Mayer, Harry F., Baldwinsville, N. Y., assignor to General Electric Company. Frequency control system. 2,523,537, Sept. 26.

Mayer, Harry F., Schenectady, N. Y., assignor to General Electric Company. Keyed oscillator circuit. 2,495,115, Jan. 17.

Mayer, Harry F., Schenectady, N. Y., assignor to General Electric Company. Pulse echo system. 2,509,007, May 23.

Mayer, Joseph Urban, J. J. Kehoe and E. L. Conrad, Waterloo, Iowa. Ball cleaning machine and method. 2,493,681, Jan. 3.

Mayer, Louis G., and F. J. Neel, assignors to The Dura-Clip Co., Louisville, Ky. File or folder clip. 2,535,502, Dec. 26.

Mayer, Max J., Scarsdale, N. Y. Seed for production of titanium dioxide and making same. 2,519,389, Aug. 22.

Mayer, Mildred, Upper Darby, Pa. Sweater frame. 2,506,513, May 2.

Mayer, Milton, assignor to Vanity Corset Company Inc., New York, N. Y. Brassière. 2,520,772, Aug. 29.

Mayer, Oscar, & Co., Inc., assignee: *See*—
Julian, John A.

Mayer, Samuel, assignor of one-half to I. Stern, Bronx, N. Y. Vertically adjustable curtain hanging device. 2,534,785, Dec. 19.

Mayer, Siegfried F., Lock Haven, assignor to May-Sloan Inc., Mill Hall, Pa. Venetian blind. 2,523,038, Sept. 19.

Mayer, Simon E., London, and W. F. Higgins, Clifton, near Manchester, assignors to Magnesium Elektron Limited, London, England. Protection of magnesium and magnesium base alloys against corrosion. 2,509,273, May 30.

Mayer, Stanley D., Elsinore, Calif. Handle attachment for paper clips. 2,510,508, June 6.

Mayer, Waldemar F., assignor to The Garrett Corporation, Los Angeles, Calif. Apparatus and method for cooling aircraft. 2,524,065, Oct. 3.

Mayer, William G., Asbury Park, N. J., assignor to the United States of America as represented by the Secretary of War. Electrical discharge device. 2,495,274, Jan. 24.

Mayers, Martin A., Pittsburgh, assignor to Elliott Company, Jeanette, Pa. Combustion chamber with side air entrance and hollow ignition cone. 2,530,019, Nov. 14.

Mayes, Arthur, Maplewood, N. J. Drying and polishing mitt. 2,534,982, Dec. 19.

Mayfield, George C., Richmond Heights, assignor to McQuay-Norris Manufacturing Company, St. Louis, Mo. Piston expanding device. 2,499,599, Mar. 7.

Mayfield, Sara M., Tuscaloosa, Ala. Dry plastic composition containing ureaformaldehyde condensate, plaster of Paris, wheat flour, and veneer dust. 2,517,906, Aug. 8.

Mayfield, Thomas H., Roby, Tex. Cotton chopper and beet topping device. 2,528,897, Nov. 7.

Mayhall, Clyde E.: *See*—
Griffin, Oscar B., and Mayhall.

Mayhew, Raymond Lemuel, Phillipsburg, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Quick-drying writing inks. 2,493,724, Jan. 3.

Mayland, Bertrand J., and F. N. Ruehlen, Bartlesville, Okla., and E. E. White, White Sulphur Springs, W. Va., assignors to Phillips Petroleum Company. Separation of hydrocarbons. 2,508,723, May 23.

Mayland, Bertrand J., Bartlesville, Okla., and E. E. White, Covington, Va., assignors to Phillips Petroleum Company. Hydrocarbon separation. 2,527,951, Oct. 31.

Mayle, Louis F., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Control circuit for railroad passenger entertainment systems. 2,495,749, Jan. 31.

Mayle, Louis F., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Selective calling system. 2,523,315, Sept. 26.

Mayle, Louis F., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Selective calling system. 2,527,561, Oct. 31.

Maynard, Arthur H., Warwick, R. I., assignor, by mesne assignments, to Bostitch, Inc. Staple extractor. 2,518,485, Aug. 15.

Maynard, Bert G., Grand Rapids, Mich. Plastic instrument panel. 2,507,035, May 9.

Maynard, Charles A., assignor to The Indiana Steel Products Company, Valparaiso, Ind. Permeameter. 2,502,628, Apr. 4.

Maynard, Charles A., assignor to The Indiana Steel Products Company, Valparaiso, Ind. Inductor generator. 2,505,130, Apr. 25.

Maynard, Charles A., Valparaiso, Ind., assignor to The Indiana Steel Products Company, Chicago, Ill. Telephone receiver. 2,515,414, July 18.

Maynard, Charles E., assignor to Pro-Phy-Lac-Tic Brush Company, Northampton, Mass. Injection molding machine. 2,514,884, July 11.

Maynard, Charles E., assignor to The Pro-phy-lac-tic Brush Company, Florence, Mass. Molding thermoplastic material by the injection molding method. 2,535,436, Dec. 26.

Maynard, Charles E., Florence, and L. H. Gustafson, Northampton, Mass., assignors, by mesne assignments, to Design Center, Inc., Flushing, N. Y. Machine for making articles, such as display covers from thin plastic sheet material. 2,521,387, Sept. 5.

Maynard, Charles E., Florence, and L. H. Gustafson, Northampton, assignors to Pro-Phy-Lac-Tic Brush Company, Florence, Mass. Machine for making articles, such as display covers from thin plastic sheet material. 2,521,388, Sept. 5.

Maynard, Fred: *See*—
Durey, Clarence M., and Maynard.

Maynard, John T.: *See*—
Coffman, Donald D., and Maynard.

Mayne, Robert, assignee: *See*—
Mauch, Fred A.

Mayne, William H., assignor to O. S. Petty, San Antonio, Tex. Noise-level responsive amplifier. 2,524,985, Oct. 10.

Maynes, Emma C., executrix: *See*—
Maynes, Hyla F.

Maynes, Hyla F., deceased, Miami, Fla.; E. C. Maynes, executrix. Fishing reel. 2,512,357, June 20.

Maynes, Hyla F., deceased, Miami, Fla.; E. C. Maynes, executrix. Fishing reel. 2,523,133, Sept. 19.

Maynes, Hyla F., deceased, Miami, Fla.; E. C. Maynes, executrix. Fishing reel. 2,523,134, Sept. 19.

Maynier, Stella, Forest Hills, N. Y. Toe separating device. 2,506,308, May 2.

Maynier, Stella, Forest Hills, N. Y. Brush applicator carried by closure. 2,520,605, Aug. 29.

Mayo, Bernard J.: *See*—
Pearce, Albert F., Barford, and Mayo.

Mayo, Edward L., assignor to The Bishop & Babcock Manufacturing Company, Cleveland, Ohio. Automobile heating and ventilating system. 2,502,871, Apr. 4.

Mayo, Edward L., assignor to The Bishop & Babcock Manufacturing Company, Cleveland, Ohio. Electromagnetic coupling transmission. 2,528,316, Oct. 31.

Mayo, H. C., Sr., assignee: *See*—
Jenkins, Otis V.

Mayo, John C. C., Ashland, Ky. Picture hanger. 2,538,892, Nov. 21.

Mayo, Reubin E., Maury, N. C. Solid fuel stoker, including auxiliary air feed means. 2,510,240, June 6.

Mayo, Reubin E., Maury, N. C. Drying house. 2,529,621, Nov. 14.

Mayo, Ruby G., Los Angeles, Calif. Dressmaker's pedestal. 2,512,068, June 20.

Mayor, Harry A., Fitchburg, and D. M. Burgess, Leominster, Mass., assignors to General Electric Company. Dual pressure-responsive safety device for prime movers. 2,523,039, Sept. 19.

Mayorcas, Reginald: *See*—
Bangham, Donald H., Bennett, Mayorcas, Pirani, and Thring.

Mayorquin, Tomas T., Havana, Cuba. Duplex telegraph signal automatic manipulator. 2,495,377, Jan. 24.

Mayrath, Robert L., Berkley, assignor to Chrysler Corporation Highland Park, Mich. Brake holding device. 2,522,835, Sept. 19.

Mays, Arthur B., Adrian, Mich. Method of and apparatus for compacting material. 2,529,404, Nov. 7.

Mays, James C., assignor to The Carborundum Company, Niagara Falls, N. Y. Making abrasive articles. 2,505,196, Apr. 25.

Mays, Richard J., Tacoma, Wash. Mechanical jumping stick. 2,510,509, June 6.

Maytag Company, The, assignee: *See*—
Radlove, Sol B.
Smith, Thomas R.

Maywood Hosiery Mills, Inc., assignee: *See*—
Butler, Edmund J.

Mazia, Joseph, Philadelphia, assignor to American Chemical Paint Company, Ambler, Pa. Method of and material for treating ferriferous metal surfaces with manganese phosphate coating solutions. 2,516,139, July 25.

Mazur, Daniel G.: *See*—
Lichtman, Samuel W., and Mazur.

Mazurek, John J., assignee: *See*—
Turgeon, Edmond.

Mazurk, Virginia A., New York, N. Y. Sectional jewelry. 2,514,885, July 11.

Mazzeno, Laurence W., Jr.: *See*—
Reid, John David, Ward, Jr., and Mazzeno, Jr.

Mazzeo, Frank J., Brooklyn, N. Y. Umbrella. 2,507,919, May 16.

Mazzeo, Rocco, Emerson, assignor to R. Mazzeo, C. Mazzio and J. Ingigneri, copartners, doing business as Hackensack Brass Foundry Company, Hackensack, N. J. Float valve and renewable seat assemblage. 2,510,991, June 13.
Mazzio, Catherine, assignee: *See*— Mazzeo, Rocco.
Mazzola, Joseph A.: *See*— Wilkerson, Victor O., and Mazzola.
Mazzoni, James J., Richmond Heights, assignor to McDonnell Aircraft Corporation, St. Louis, Mo. Pulse jet engine with telescopic thrust augmenter. 2,496,351, Feb. 7.
Mazzoni, Lucien, Lyon, France. Injection mold. 2,500,258, Mar. 14.
McAdams, Harry, Philadelphia, Pa. Repair and conditioning of nylon fabric. 2,530,259, Nov. 14.
McAdams, Joseph E., assignor to The Steel Products Engineering Company, Springfield, Ohio. Ash disposal apparatus. 2,509,872, May 30.
McAfee, Don. G., Grand Rapids, Mich. Quoit. 2,506,932, May 9.
McAfee, Jerry, Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Fluid meter. 2,505,905, May 2.
McAlister, J. G., Inc., assignee: *See*— Rose, Jess C., and Franklin.
McAllister, Franklin, Corporation, assignee: *See*— McAllister, Harley J.
McAllister, Harley J., Wheaton, Ill., assignor to Franklin McAllister Corporation. Vacuum cleaner. 2,507,672, May 16.
McAllister, Sumner H., Lafayette, and E. F. Bullard, Oakland, assignors to Shell Development Company, San Francisco, Calif. Production of motor fuels by alkylation. 2,505,644, Apr. 25.
McAllister, William B., Sr., Saginaw, Mich. Garment hanger. 2,502,164, Mar. 28.
McAloon, Francis R.: *See*— Patterson, Everett M., and McAloon.
McAmis, Harry R.: *See*— Gearhart, William M., and McAmis.
McAneny, Michael J., Hillsboro, N. Mex. Strap fastening means. 2,533,275, Dec. 12.
McAninch, Herbert A., Auburn, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Coupling device. 2,508,832, May 23.
McArdle, Edward H.: *See*— Cohen, Karl and McArdle.
McArthur, Elmer D., Schenectady, N. Y., assignor to General Electric Company. Light sensitive electric discharge device and control circuits therefor. 2,504,713, Apr. 18.
McArthur, Elmer D., and J. E. Beggs, Schenectady, N. Y., assignors to General Electric Company. Ultra high frequency electric discharge device and cavity resonator apparatus therefor. Re. 23,284, Oct. 17.
McArthur, Herbert A., Libertyville, and J. B. Decker, Evanston, assignors, by mesne assignments, to Rite-Way Products Company, Chicago, Ill. Milking machine. 2,508,960, May 23.
McArthur, Warren, Bantam, Conn., assignor, by mesne assignments, to Reconstruction Finance Corporation, New York, N. Y. Tray supporting means. 2,530,020, Nov. 14.
McAtee, Harold L.: *See*— Nelson, Robert W., and McAtee.
McAteer, James H., Cranford, N. J., assignors to Standard Oil Development Company. Dicarboxylic acid anhydride preparation. 2,509,873, May 30.
McAteer, James H., Cranford, N. J., assignor to Standard Oil Development Company. Production of cyclic acetals. 2,509,874, May 30.
McAteer, James H., Cranford, C. E. Morrell, Westfield, J. K. Small, Union, and H. L. Yowell, Elizabeth, N. J., assignors to Standard Oil Development Company. Drying gases. 2,530,129, Nov. 14.
McAvinney, Francis J.: *See*— Bradford, Leonard R., Dunnell, Jr., and McAvinney.
McAvoy, Theodore E., Chicago, Ill. Wheeled figure toy. 2,511,169, June 13.
McBee Company, The, assignee: *See*— Drachman, Myron J.
Feiertag, Arthur W.
Welk, Nelson S., and Connor.
Zenner, Philip M.
McBee, Earl T.: *See*— Ligett, Waldo B., McBee, and Lindgren.
McBee, Earl T., La Fayette, Ind., R. M. Robb, Wilmington, Del., and W. B. Ligett, Detroit, Mich., assignors to Purdue Research Foundation, La Fayette, Ind. Fluorination of unsaturated halocarbons with cerium tetrafluoride. 2,493,007, Jan. 3.
McBee, Earl T., La Fayette, Ind., R. M. Robb, Wilmington, Del., and W. B. Ligett, Detroit, Mich., assignors to Purdue Research Foundation, La Fayette, Ind. Fluorination of unsaturated halocarbons with cerium tetrafluoride. 2,493,008, Jan. 3.
McBee, Earl T., and J. S. Newcomber, West La Fayette, assignors to Purdue Research Foundation, La Fayette, Ind. Preparation of pentachlorocyclopentenone. 2,493,009, Jan. 3.
McBee, Earl T., and J. S. Newcomer, West Lafayette, Ind., assignors to the United States of America as represented by the United States Atomic Energy Commission. Condensation product and process. 2,506,428, May 2.
McBee, Earl T., and J. S. Newcomer, assignors to Purdue Research Foundation, West Lafayette, Ind. Pentachloro-2,4-cyclopentadienylidene-1-acetic acid and derivatives thereof. 2,508,182, May 16.
McBee, Earl T., and C. F. Baranauckas, assignors to Purdue Research Foundation, West Lafayette, Ind. Making hexachlorocyclopentadiene. 2,509,160, May 23.
McBee, Earl T., La Fayette, Ind., and P. A. Wiseman, Akron, Ohio, assignors to Purdue Research Foundation, La Fayette, Ind. Polyfluoro aliphatic diamines. 2,515,246, July 18.
McBee, Earl T., and E. M. Hodnett, La Fayette, assignors to Purdue Research Foundation, West La Fayette, Ind. Fluoromethylpyridines. 2,516,402, July 25.
McBee, Earl T. La Fayette, Ind., and R. O. Bolt, Richmond, Calif., assignors to Purdue Research Foundation, La Fayette, Ind. Aryloxyalkanes. 2,516,403, July 25.
McBee, Earl T., and J. S. Newcomer, West La Fayette, assignors to Purdue Research Foundation, La Fayette, Ind. Reaction product of hexachlorocyclopentadiene and chlorsulfonic acid. 2,516,404, July 25.
McBee, Earl T., and J. S. Newcomer, West Lafayette, Ind., assignors to the United States of America as represented by the United States Atomic Energy Commission. Preparing chloranil. 2,519,319, Aug. 15.
McBee, Earl T., La Fayette, Ind., and R. M. Robb, Wilmington, Del., assignors to Purdue Research Foundation, West Lafayette, Ind. Vapor phase fluorination. 2,533,132, Dec. 5.
McBee, Earl T., La Fayette, Ind., and R. M. Robb, Wilmington, Del., assignors to Purdue Research Foundation, West Lafayette, Ind. Replacement of hydrogen with fluorine in hydrogen- and halogen-containing organic compounds using lead tetrafluoride. 2,533,133, Dec. 5.
McBee, Earl T., and J. S. Newcomer, assignors to Purdue Research Foundation, West Lafayette, Ind. 5-bromo-2,3,4,5-tetrachloropentadienoic acid. 2,533,134, Dec. 5.
McBrayer, Marvin L., assignor to Moisture Register Company, Alhambra, Calif. Pressure sensitive moisture test instrument. 2,532,929, Dec. 5.
McBrayer, Marvin L., Alhambra, and A. J. Swyke, Arcadia, assignors to Moisture Register Company, Alhambra, Calif. Zero suppression system for electronic moisture register instruments. 2,529,846, Nov. 14.
McBride, Charles B.: *See*— Watson, John E., and McBride.
McBride, Edward T., Hawthorne, N. J. Presentation flag package. 2,535,149, Dec. 26.
McBride, J., Brookville, assignor, by mesne assignments, to A. P. Bock, Dayton, Ohio. Composite material and making. 2,524,986, Oct. 10.
McBride, John A.: *See*— Warner, Paul F., and McBride.
McBride, John A., Phillips, Tex., and S. C. Carney, Bartlesville, Okla., assignors to Phillips Petroleum Company. Removal of mercaptans from gasoline. 2,503,627, Apr. 11.
McBride, John W., assignor to Bantar, Incorporated, Burbank, Calif. Stringed musical instrument. 2,499,194, Feb. 28.
McBride, Octave O., Texarkana, Tex. Power factor indicator. 2,503,628, Apr. 11.
McBride, William M., San Diego, Calif. Apparatus for continuously indicating bearing. 2,510,992, June 13.
McBroom, James C., Van Nuys, Calif. Method and apparatus for circulating refrigerants. 2,512,869, June 27.
McCabe, Frank S., Kenilworth, Ill. Knife sharpener. 2,515,247, July 18.
McCabe, Ira E., Chicago, Ill. Conditioning refrigerating systems. 2,495,378, Jan. 24.
McCabe, Ira E., Chicago, Ill. Barometer. 2,530,068, Nov. 14.
McCabe, James E., Jackson Heights, N. Y. Retractable shock-absorbing landing gear. 2,497,004, Feb. 7.
McCabe, John B., assignor to Federal Manufacturing Co., Milwaukee, Wis. Receptacle operated filling valve with vent cutoff. 2,518,349, Aug. 8.
McCabe, John J., Jr., assignee: *See*— Mannheimer, Hans S.
McCahan, Walter H., Burlington, Iowa. Nondirection downdraft eliminator for vent pipes. 2,526,079, Oct. 17.
McCain, Cecil C., Glen Ellyn, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Cycle controlling apparatus. 2,507,315, May 9.
McCall, Andrew A., Curwensville, Pa. Fire escape ladder and storage means therefor. 2,534,202, Dec. 12.
McCallick, William P., and Y. L. Sanchez, Los Angeles, Calif. Flush type door handle. 2,496,737, Feb. 7.
McCallum, Archie H.: *See*— Pile, Benjamin D., and McCallum.
McCallum, Robert A., Clarendon Hills, Ill., and E. M. Luce, Michigan City, Ind., assignors to Joy Manufacturing Company. Rod spinning apparatus. 2,531,821, Nov. 28.
McCallum, Robert A., Michigan City, Ind., assignor to Joy Manufacturing Company. Fluid swivel for drilling apparatus. 2,502,972, Apr. 4.

McCallum, Robert M., Inglewood, Calif. Shoe cleat. 2,509,980, May 30.
McCan, Herman M., El Cajon, Calif. Machine and method for making bricks. 2,505,419, Apr. 25.
McCandles, George K., Hellertown, Pa. Lift truck. 211,073, June 13.
McCandless, William, Toledo, Ohio. Direct current to three-phase alternating current converter. 2,523,993, Sept. 26.
McCann, Clyde D., Des Moines, Iowa. Electrical fixture. 2,494,398, Jan. 10.
McCann, De Witt, and I. Berlin, Los Angeles, Calif. Pipe stem cleaner. 2,510,345, June 6.
McCann, Floyd E., Milwaukee, assignor of one-half to E. C. Noeldner, Loyal, Wis. Barn cleaner and loading machine. 2,529,954, Nov. 14.
McCann, Gilbert D., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Analyzer. 2,525,496, Oct. 10.
McCann, Harold G., Deer Park, assignor to Allied Chemical & Dye Corporation, New York, N. Y. Sulfur trioxide stabilization. 2,511,072, June 13.
McCann, John A., Lowell, Mass. Strand spinning and twisting mechanism. Re. 23,232, May 23.
McCann, John W., Pasadena, Calif. Garden irrigation device. 2,521,238, Sept. 5.
McCann, Judith, New York, N. Y. Earring. 2,511,170, June 13.
McCann, Michael, Union, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Article attaching machine. 2,495,069, Jan. 17.
McCann, Sidney W., Irondequoit, assignor to The Pfaudler Co., Rochester, N. Y. Dip pipe for processing containers. 2,535,437, Dec. 26.
McCanna, Marcus: *See*—
Woodward, Clifford D., and McCanna.
McCargar, George L., Detroit, Mich. Vegetable washer. 2,503,556, Apr. 11.
McCargo, James S., Ardmore, Pa. Display holder. 2,512,957, June 27.
McCarron, Donald F.: *See*—
Holstein, Alvin W., and McCarron.
McCart, Isaac N.: *See*—
Rhodes, Cecil, and McCart.
McCarty, Arch W., Tecumseh, Okla. Grease gun cartridge. 2,493,891, Jan. 10.
McCarthy, Charles D., St. Paul, Minn., assignor to Sundstrand Machine Tool Co., Rockford, Ill. Abrasive shoe for rubbing machines. 2,505,683, Apr. 25.
McCarthy, Charles M., Minneapolis, Minn. Cutting device. 2,521,862, Sept. 12.
McCarthy, Edward L., assignor to The Perkin-Elmer Corporation, Glenbrook, Conn. Lens system. 2,522,390, Sept. 12.
McCarthy, Frederick I., and C. Schandler, New York, N. Y. Spark plug. 2,501,826, Mar. 28.
McCarthy, Henry J., Danvers, assignor to Sylvania Electric Products Inc., Salem, Mass. Ultra high frequency resonator. 2,524,268, Oct. 3.
McCarthy, James F., Mars, assignor to Treesdale Laboratories, Inc., Allegheny County, Pa. Preservative compositions for cellulosic materials. 2,518,241, Aug. 8.
McCarthy, Joseph P., assignee: *See*—
Price, Frank D.
McCarthy, Thomas O., United States Navy. Performance recorder for direction indicators. 2,520,948, Sept. 5.
McCarthy, Vincent S.: *See*—
Hunt, Douglas P., and McCarthy.
McCarty, Clyde W.: *See*—
Taylor, Clement F., McCarty, and Stimson.
McCarty, Jackson T., Stockton, Calif. Child's swing. 2,531,069, Nov. 21.
McCarty, Lourdes V.: *See*—
Aughey, Clarence L., and McCarty.
Bierman, William A., and McCarty.
Pawelsky, Vernon R., McCarty, Biermann, and Dulak.
McCarvell, John H., assignee: *See*—
Smith, Jopling P.
McCary, Alva T., El Paso, Tex. Temperature indicator switch. 2,526,679, Oct. 24.
McCash, Perry V., Seattle, Wash. Electric educational device. 2,499,323, Feb. 28.
McCaskell, William Moore, Kilgore, Tex. Transparent brooder. 2,493,589, Jan. 3.
McCaskill, Joseph R., Oakland, Calif. Garden tool. 2,497,506, Feb. 14.
McCaulay, David A.: *See*—
Kirshenbaum, Isidor, and McCaulay.
Lien, Arthur P., and McCaulay.
McCaulay, David A., Chicago, Ill., and A. P. Lien, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Conversion of olefins and disulfides. 2,519,586, Aug. 22.
McCaulay, David A., Chicago, Ill., and A. P. Lien, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Desulfurizing hydrocarbon oils. 2,519,587, Aug. 22.
McCauley, Clarence, Pacific Grove, Calif. Pants stretcher and pleat holder. 2,517,331, Aug. 1.
McCauley, Claudius R., New Orleans, La. Liquid level indicator. 2,495,416, Jan. 24.
McCauley, Ernest G., Dayton, Ohio. Propeller. 2,527,438, Oct. 24.
McCauley, Myron D., Huntington Woods, Mich. Lawn mower. 2,515,415, July 18.
McCauley, Raymond E.: *See*—
Naccarato, Antonio C., and McCauley.
McCausland, John W., Chicago, Ill. Stamp guide for mailing machines. 2,500,845, Mar. 14.
McCaw, Clyde E., Coeur d'Alene, Idaho. Convertible seat and table assembly. 2,506,606, May 9.
McChesney, Cuyler S., Kenmore, assignor to Dunlop Tire and Rubber Corporation, Buffalo, N. Y. Apparatus for splicing inner tubes of tires. 2,497,461, Feb. 14.
McChesney, William H., assignee: *See*—
Becker, Walter E.
McClain, Guy W., Detroit, Mich. Holder for cold chisels and the like. 2,506,373, May 2.
McClain, Harry A., Canton, Ohio. Holder and file for photographic slides. 2,511,730, June 13.
McClain, John, deceased, Chicago, Ill., by N. G. McClain, executrix, Chicago, Ill. Cotter pin. 2,517,397, Aug. 1.
McClain, Joseph W., Schenectady, N. Y., assignor to General Electric Company. Phase failure protective device. 2,499,963, Mar. 7.
McClain, Nellie G., executrix: *See*—
McClain, John.
McClain, Waite, Canton, Ohio. Trolling attachment for motorboats. 2,495,116, Jan. 17.
McClanahan, Paul V.: *See*—
Sage, Luther W., Stanton, and McClanahan.
McClatchie, John D., Middletown, N. Y. Labeling machine. 2,495,174, Jan. 17.
McClay, Gordon F., Sherbrooke, Quebec, Canada, assignor to Ingersoll-Rand Company, New York, N. Y. Controlling device for hoists. 2,513,812, July 4.
McCleary, Odd H., Ellwood City, Pa. Coil tail pulling apparatus. 2,494,399, Jan. 10.
McClellan, Clarence S., Santa Monica, Calif. Stereoscopic picture viewer. 2,530,531, Nov. 21.
McClellan, James E., Los Angeles, and J. H. MacDonald, Glendale, assignors to Buttress & McClellan Inc., Los Angeles, Calif. Casting concrete building elements. 2,531,576, Nov. 28.
McClellan, Raymond H., assignor to E. Edelmann & Co., Chicago, Ill. Apparatus for manufacturing closures from flexible plastic material. 2,529,847, Nov. 14.
McClellan, Stephen A., assignee: *See*—
Alkan, Robert.
McClellan, William P., and F. A. Sciples, Milwaukee, Wis. Tent suspension apparatus. 2,508,679, May 23.
McClellen, Harold E., Lomita Park, Calif. Inurnment urn. 2,513,951, July 4.
McClenahan, William S., and H. A. Nelson, Pittsburgh, Pa., assignors to Chesebrough Manufacturing Company, Consolidated, New York, N. Y. Ointment containing bentonite. 2,523,316, Sept. 26.
McClennan, John K., Brooklyn, N. Y., and B. R. Strickland, Westfield, N. J., assignors to Standard Oil Development Company. Recovering aromatic mercaptans from catalytic gasoline. 2,525,153, Oct. 10.
McClernon, Francis H., Springfield, Mo. Toolholder. 2,505,684, Apr. 25.
McClernon, Francis H., Springfield, Mo. Toolholder. 2,505,685, Apr. 25.
McClimans, Thomas L., Denver, Colo. Metal-working tool. 2,501,871, Mar. 28.
McClintock, John H., Cranford, N. J., and G. D. Priestman, Billings, Mont., assignors to Standard Oil Development Company. Differential gravity skimmer. 2,497,177, Feb. 14.
McClintock, LaZona, Enid, Okla. Dress trim. 2,533,891, Dec. 12.
McClintock-Taylor, Inc., assignee: *See*—
Taylor, Charles S.
McClintock, Tress, Heppner, Oreg. Two plow hitch. 2,515,016, July 11.
McClintock, Walter O.: *See*—
Lawson, Robert K., McClintock, Hendrickson, and Woodman.
McClinton, John, Houston, Tex. Seat for side wall sampling tools. 2,511,508, June 13.
McCloskey, Peter W., Fairlawn, assignor to B & M Metal Products Corp., Montclair, N. J. Gas cylinder cabinet. 2,523,872, Sept. 26.
McCloskey, William H., Huntington, W. Va., assignor to Henrite Products Corporation, Ironton, Ohio. Fluid sealing device. 2,512,749, June 27.
McCloy, Ephraim, Detroit, Mich. Manure spreader. 2,523,994, Sept. 26.
McClung, Eugene F., Los Angeles, Calif. Punch press. 2,514,659, July 11.
McClure, Andrew L.: *See*—
McClure, Edgar R. and A. L.
McClure, Arthur W., assignor to Elliott Company, Jeanette, Pa. Turboexpander. 2,529,880, Nov. 14.
McClure, Charles E., Hamilton, Ohio. Wallpaper pasting machine and trimmer. 2,498,996, Feb. 28.
McClure, Edgar R. and A. L., San Diego, Calif. Producing frankfurters. 2,514,660, July 11.
McClure, Glenn T., McKeesport, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Safety valve device. 2,501,730, Mar. 28.
McClure, Glenn T., McKeesport, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Variable load brake. 2,515,963, July 18.

McClure, Hugh M., Chicago, Ill., assignor to Keuffel & Esser Company, Hoboken, N. J. Ruling or lining instrument. 2,527,832, Oct. 31.
McClure, Ralston H., assignor of one-third to W. K. Crowder, and one-third to W. A. Snell, Detroit, Mich. Valve for vehicle jacks. 2,499,072, Feb. 28.
McClure, Robert A., Kokomo, assignor to Mercer Products Corporation, Indianapolis, Ind. Head washtray. 2,521,389, Sept. 5.
McClure, William I., Greenwood, R. I., assignor to L. F. Pease Company. Vehicle top bow clamp. 2,516,713, July 25.
McClusky, Oliver E., Beaumont, Tex. Liquid sampling device. 2,515,882, July 18.
McCollister, William H., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Fluid pressure actuated tire bead breaking lever. 2,495,117, Jan. 17.
McCollister, William H., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Central screw operated multiple arm tire removing apparatus. 2,495,118, Jan. 17.
McCollom, Estel B., Grosse Pointe Park, Mich. Warmer for nursing bottles. 2,516,637, July 25.
McCollom, Loran D., Oklahoma City, Okla. Armature winder. 2,535,438, Dec. 26.
McCollum, Henry J. D., deceased, Chicago, Ill., by T. McCollum, executrix, assignor to Stewart-Warner Corporation, Chicago, Ill. Heater. 2,496,738, Feb. 7.
McCollum, Henry J. D., deceased, Chicago, Ill., by T. McCollum, executrix, assignor to Stewart-Warner Corporation, Chicago, Ill. Aspirator compressor type jet propulsion apparatus. 2,502,332, Mar. 28.
McCollum, Henry J. D., deceased, Chicago, Ill., by T. McCollum, executrix, assignor to Stewart-Warner Corporation, Chicago, Ill. Fluid fuel burning internal-combustion air heater. 2,517,398, Aug. 1.
McCollum, Henry J. D., deceased, Chicago, Ill., by T. McCollum, executrix, assignor to Stewart-Warner Corporation, Chicago, Ill. Heater having means to recirculate partially cooled products of combustion. 2,517,399, Aug. 1.
McCollum, Thelma, executrix: *See*— McCollum, Henry J. D.
McComas, Marion F., Blackwell, Okla. Raising fluids. 2,515,562, July 18.
McComb, Clarence L., Lynwood, Calif. Vehicle sunshade. 2,526,889, Oct. 24.
McCombs, Edward E.: *See*— Kirby, Robert L., and McCombs.
McConaghy, James W., Phillipsburg, N. J., assignor to Ingersoll-Rand Company, New York, N. Y. Pumping system. 2,533,028, Dec. 5.
McConaha, Elmer F., Great Neck, N. Y. Pants hanger. 2,516,231, July 25.
McConnaughay, Kenneth E., West Lafayette, Ind. Pavement. 2,524,395, Oct. 3.
McConnel, Frederic W., Liphook, and D. R. Bomford, Evesham, England. Grain harvesting machine. 2,495,417, Jan. 24.
McConnell, Andrew J., Delmar, N. Y., assignor to General Electric Company. Bus bar protection system with current polarized directional current relay. 2,515,784, July 18.
McConnell, Andrew J., Delmar, N. Y., assignor to General Electric Company. Electric protective system. 2,528,237, Oct. 31.
McConnell, Andrew J., Delmar, N. Y., assignor to General Electric Company. Electric protective system. 2,529,169, Nov. 7.
McConnell, Andrew J., Delmar, N. Y., assignor to General Electric Company. System of polarizing relays. 2,531,146, Nov. 21.
McConnell, Hilliard J., Vancouver, British Columbia, Canada. Pie plate lifter. 2,497,005, Feb. 7.
McConnell, John H., Jersey City, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Current control circuit. 2,528,446, Oct. 31.
McConnell, Nealy C., Olustee, L. W. Mims, Gainesville, H. P. Poole, Lake City, and H. R. Lanier, Olustee, Fla., assignors to the United States of America as represented by the Secretary of Agriculture. Flash distillation of turpentine. 2,500,194, Mar. 14.
McConnell, Robert A., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Radio object locating system. 2,527,753, Oct. 31.
McConnell, Roy H., Grandview, Wash. Internal-combustion engine warmer. 2,507,213, May 9.
McConnell, Winton E., and E. L. Bracy, assignors to Wilcox-Gay Corporation, Charlotte, Mich. Phonograph shaving collector. 2,515,309, July 18.
McCord Corporation, assignee: *See*— Hayward, James R.
McCord, William: *See*— Groeber, Otto W., and McCord.
McCord, Willis I., Little Falls, assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Stroboscopic projection of intermittent film on television cameras. 2,496,102, Jan. 31.
McCormick, Charles E., assignee: *See*— Fox, Clarence D.
McCormick, Clarence E., Poland, Ohio. Automotive ignition contact point. 2,518,560, Aug. 15.
McCormick, Francis A.: *See*— McLaughlin, John E., Wilske, and McCormick.
McCormick, Francis H., Oakwood, assignor to General Motors Corporation, Dayton, Ohio. Domestic appliance. 2,507,920, May 16.
McCormick, Francis H., and K. Clark, Oakwood, assignors to General Motors Corporation, Dayton, Ohio. Clothes washing machine and agitator therefor. 2,498,894, Feb. 28.
McCormick, Hamilton L: *See*— Starkey, William C., and McCormick.
McCormick, Hamilton L., Carmel, assignor to Fletcher Trust Company, Indianapolis, Ind., trustee. Torque limiting device. 2,510,644, June 6.
McCormick, Hazel G., Palo Alto, Calif. Metatarsal pad. 2,533,601, Dec. 12.
McCormick, John M., assignor to F. W. Preston, Butler, Pa. Testing of materials by impact. 2,518,350, Aug. 8.
McCormick, John M., assignor to F. W. Preston, Butler, Pa. Apparatus for shaping structural glass. 2,534,523, Dec. 19.
McCormick, Raymond E., Arlington, Va. Apparatus for recording oscilloscopic signal traces. 2,527,562, Oct. 31.
McCormick, Thomas B., Billings, Mont. Individual mounting for steerable wheels. 2,533,950, Dec. 12.
McCormick, William H.: *See*— Dyson, Eugene E., and McCormick.
McCorquodale, Wilmer E., Orange, Tex. Thermostatic safety control apparatus for gaseous fuel burners. 2,529,259, Nov. 7.
McCoubrey, James A., Shawinigan Falls, Quebec, and F. P. Lossing, Hamilton, Ontario, assignors to Shawinigan Chemicals Limited, Montreal, Quebec, Canada. Preparation of ditolylethane. 2,500,369, Mar. 14.
McCoubrey, James A., and M. Kiar, Shawinigan Falls, Quebec, assignors to Shawinigan Chemicals Limited, Montreal, Quebec, Canada. Catalyst for polymerizing vinyl acetate. 2,504,436, Apr. 18.
McCourry, Thomas C.: *See*— Heard, John A., and McCourry.
McCown, Everett: *See*— Powell, Neil E., and McCown.
McCoy, Clarence J., assignor to Noble Drilling Corp., Tulsa, Okla. Stabilizable vessel for submarine operations and operating the same. 2,531,983, Nov. 28.
McCoy, David A., Birmingham, Ala. Intraocular localizer embodying a universal level. 2,526,493, Oct. 17.
McCoy, Dawson A. and J. E., Jr., Hamlin, Tex. Protector for dispensing hose valves. 2,497,006, Feb. 7.
McCoy, Ewald H., Chicago, Ill. Electrodeposition of silver. 2,504,272, Apr. 18.
McCoy, Harold W.: *See*— Nichols, Charles A., Bower, Edwards, Fletcher, McCoy, Sample, and Weiser.
McCoy, J. Rodman, assignee: *See*— Jensen, James A.
McCoy, James L., La Canada, Calif., and D. H. MacDonald, East Haven, assignors to Revere Corporation of America, Wallingford, Conn. Mechanical device for converting direct current into high-frequency alternating current. 2,493,354, Jan. 3.
McCoy, Jimmy E., Jr.: *See*— McCoy, Dawson A. and J. E., Jr.
McCoy, Paul E.: *See*— Buckley, Walter D., McCoy, and Thompson.
McCoy, Paul E., assignor, by mesne assignments, to Stancal Asphalt & Bitumuls Company, San Francisco, Calif. Bituminous emulsions. 2,509,574, May 30.
McCoy, Paul E., assignor, by mesne assignments, to Stancal Asphalt & Bitumuls Company, San Francisco, Calif. Slow-setting bituminous emulsions. 2,512,580, June 20.
McCoy, Rawley D., Bronxville, N. Y., assignor to The Sperry Corporation. Error signal control system. 2,511,863, June 20.
McCoy, Rawley D., Bronxville, N. Y., assignor to The Sperry Corporation. Servomotor system. 2,515,248, July 18.
McCoy, Rawley D., Bronxville, N. Y., assignor to The Sperry Corporation. Servomotor system. 2,515,249, July 18.
McCoy, Rawley D., Bronxville, and T. J. Kusto, New York, N. Y., assignors to The Sperry Corporation. Electronic signal mixing circuit. 2,493,772, Jan. 10.
McCoy, Robert, New York, N. Y. Food grater having rotary drum. 2,493,496, Jan. 3.
McCoy, Robert G., and W. W. Werring, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Making electrical resistances. 2,494,051, Jan. 10.
McCoy, William C.: *See*— Kraft, Herman T., and McCoy.
McCoy, William M., Mansfield, Ohio. Selective glass or screen raising mechanism. 2,524,459, Oct. 3.
McCracken, Earl F., Turner, Mont. Starter motor control system for internal-combustion engines. 2,497,462, Feb. 14.
McCracken, John H.: *See*— Norris, Henry D., and McCracken.
McCracken, John H., Corpus Christi, Tex., assignor to Socony-Vacuum Oil Company, Incorporated. N(thiophenalkyl) arylamines in mineral oil. 2,518,351, Aug. 8.
McCracken, John H., Corpus Christi, Tex., assignor to Socony-Vacuum Oil Company, Incorporated. Reaction product of haloalkylthiophenes and hydroxyaryl compounds. 2,528,769, Nov. 7.

McCrary, Dorris C., Henderson, Nev., and J. D. Dent, Brawley, Calif. Control system for regulating quantities, forces, or other factors. 2,505,420, Apr. 25.

McCray Refrigerator Company, assignee: *See*— Greiling, David J.

McCreary, James R., assignor to Wahlberg-McCreary, Houston, Tex. Starter. 2,509,361, May 30.

McCready, Rolland M.: *See*— Owens, Harry S., McCready, and Maclay.

McCready, Wesley K., and Anton Schormuller, assignors to Clifton Products, Inc., Painesville, Ohio. Furnace. 2,493,304, Jan. 3.

McCreary, Harold J., Lombard, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Electronic device for timing toll calls and for signaling both subscriber and operator. 2,533,677, Dec. 12.

McCreight, Stewart E., assignee: *See*— Whitlock, Charles H.

McCrimmon, Theron A., Bessemer, Ala. Vaporizing tray type oil burner. 2,533,678, Dec. 12.

McCrink, Joseph, West Orange, N. J. Saw guide with adjustable work clamp. 2,519,269, Aug. 15.

McCrory, William, Los Angeles, Calif. Holder for ironing board covers. 2,504,560, Apr. 18.

McCroskey, Ulmont L., Los Angeles, Calif. Wire guide for conduits. 2,515,724, July 18.

McCrum, John D., Swarthmore, Pa., and E. H. Plesset, Sherman Oaks, assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif. Vehicle windshield. 2,507,036, May 9.

McCue, Eugene J.: *See*— Seifriz, William, and McCue.

McCulley, John H., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Removing emulsifying agents from amine solution. 2,497,954, Feb. 21.

McCulloch, Frederick L., Tampa, Fla. Juicing machine. 2,528,533, Nov. 7.

McCulloch, Robert P., Fox Point, Wis., assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill. Pump housing. 2,519,588, Aug. 22.

McCulloch, Robert P., Los Angeles, and A. Gudmundsen, Glendale, Calif., assignors to Borg-Warner Corporation, Chicago, Ill. Pump housing. 2,505,197, Apr. 25.

McCulloch, Thomas: *See*— Thomson, James, and McCulloch.

McCulloch, William R., Euclid, Ohio. Tail pipe adapter. 2,522,630, Sept. 19.

McCulloh, Warring L., Dallas, Tex. Greeting device and holder for phonograph records. 2,519,390, Aug. 22.

McCullough, David S., New York, N. Y. Metalworking machine adapted to act independently or to augment the functions of machine tools. 2,497,735, Feb. 14.

McCullough, Edward E., Minneapolis, Minn. Instrument for making perspective drawings. 2,531,636, Nov. 28.

McCullough, Gregory A., assignor to F. Ninness, Detroit, Mich. Underwater observation periscope. 2,516,897, Aug. 1.

McCullough, Homer S., Cleveland, Ohio. Auxiliary lens attachment for twin lens cameras. 2,516,582, July 25.

McCullough, James H., assignor to The Atlantic Refining Company, Philadelphia, Pa. Regeneration of spent aqueous alcoholic caustic solutions containing mercaptides. 2,527,833, Oct. 31.

McCullough, John L., Independence, Calif. Hot line clamp. 2,515,563, July 18.

McCullough, Lewell O., assignor to Lance, Inc., Charlotte, N. C. Reciprocating pusher transfer device. 2,513,662, July 4.

McCullough, Paul J., assignor, by mesne assignments, to The Toastswell Company, Incorporated, St. Louis, Mo. Control structure for electrically heated devices. 2,503,959, Apr. 11.

McCullough, Paul J., assignor, by mesne assignments, to The Toastswell Company, Incorporated, St. Louis, Mo. Control structure for electrically heated devices. 2,503,960, Apr. 11.

McCullough, Paul J., assignor, by mesne assignments, to The Toastswell Company, Incorporated, St. Louis, Mo. Thermal timing device. 2,508,464, May 23.

McCullough, Russell H., Los Angeles, Calif. Opera chair. 2,493,303, Jan. 3.

McCullough Tool Company, assignee: *See*— Bond, John A.
Martin, Philip W.
Tow, James O.

McCune, Frederick S., Pittsburgh, Pa. Imitation overshot water wheel. 2,503,832, Apr. 11.

McCurdy, Everett D., trustee, assignee: *See*— Brennan, Joseph B.
Mountcastle, Charles B.

McCurdy, John L., assignor to The Dow Chemical Company, Midland, Mich. Continuous process for the manufacture of ethyl chloride. 2,516,638, July 25.

McCurtain, Frank, Los Angeles, assignor to W. R. McKenzie, Montebello, Calif. Electric brake. 2,501,401, Mar. 21.

McCurtain, Frank, Los Angeles, assignor to W. R. McKenzie, Montebello, Calif. Electric braking system. 2,532,321, Dec. 5.

McDaid, Nell J., Charleston, S. C. Adjustable fixture hanger. 2,528,238, Oct. 31.

McDaniel, Hobart A., Anderson, Ind. Cutting implement. 2,513,663, July 4.

McDaniel, John I., Cuero, Tex. Liquid level control device. 2,502,578, Apr. 4.

McDaniel, Lloyd E., assignor to Merck & Co., Inc., Rahway, N. J. Producing streptomycin on medium containing whole yeast. 2,515,461, July 18.

McDavitt, Marcellus B., Hartsdale, N. Y., and D. Mitchell, Martinsville, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Selective mechanism. 2,503,402, Apr. 11.

McDearmon, George W., Baton Rouge, La. Mold for foundation piers. 2,514,886, July 11.

McDermott, Darwin D., San Jose, Calif. Baled hay loader. 2,531,070, Nov. 21.

McDermott, Francis A., assignor to Bastian Bros. Co., Rochester, N. Y. Metal badge. 2,517,009, Aug. 1.

McDermott, Harold R.: *See*— Smith, Earl G. and McDermott.

McDermott, Henry J., Collingdale, Pa., assignor to American Viscose Corporation, Wilmington, Del. Latching device. 2,497,267, Feb. 14.

McDermett, Jim E., Dallas, Tex. Device with horizontally swingable trackway to guide electric saws. 2,527,754, Oct. 31.

McDermott, J. Ray, & Company, Inc., assignee: *See*— Willey, Marney B., and Wilson.

McDermott, John K., Pittsburgh, Pa. Gas pressure regulator apparatus. 2,506,031, May 2.

McDermott, John P., Roselle, N. J., assignor to Standard Oil Development Company. Metal xanthate derivatives. 2,500,195, Mar. 14.

McDermott, John P., Roselle, N. J., assignor to Standard Oil Development Company. Stabilized hydrocarbon products. 2,529,303, Nov. 7.

McDermott, Philip H., Tulsa, Okla. Inertia operated discharge control means. 2,494,052, Jan. 10.

McDermott, Richard W., Hamden, Conn., assignor, by mesne assignments, to National Folding Box Company, Incorporated. Container. 2,528,603, Nov. 7.

McDermott, Terence, John: *See*— Anderson, Eric W., and McDermott.

McDevitt, James E., New York, N. Y. Forming golf club grips. 2,495,119, Jan. 17.

McDevitt, Robert F., Gary, Ind. Sound-producing toy. 2,519,489, Aug. 22.

McDill, Rex D., Cleveland Heights, assignor to James B. Shaver, University Heights, Ohio. Motor position control means. 2,498,565, Feb. 21.

McDonald, Albert W., Elkhart, Ind. Hinge means. 2,510,827, June 6.

McDonald, Alexander, Gordon, near Sydney, New South Wales, Australia, assignor to Industrial Metal Protectives, Inc., Wilmington, Del. Alkali silicate coating composition. 2,509,875, May 30.

McDonald, Charles D., assignor to Glendora Manufacturing Company, Glendora, Calif. Door locking latch mechanism. 2,512,804, June 27.

McDonald Company, The, assignee: *See*— McDonald, John J., and Klyce.

McDonald, Daniel E., Tipton, Okla. Casing-supported liquid dispenser and coin-actuated valve mechanism therefor. 2,507,642, May 16.

McDonald, Edgar M., Greenville, S. C. Tree stand. 2,524,460, Oct. 3.

McDonald, Eugene F., Jr., Chicago, Ill. Sound amplifier muting means. 2,520,732, Aug. 29.

McDonald, George W.: *See*— Scott, Everette C., and McDonald.

McDonald, George W., and E. C. Scott, Ashton, Ill., assignors, by mesne assignments, to Swift & Company. Manufacture of cheese. 2,507,480, May 9.

McDonald, Ian G.: *See*— Henry, Philip S. H., McDonald, and Todd.

McDonald, John E., Newton, Mass., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Helicopter rotor arrangement. 2,514,205, July 4.

McDonald, John J., Newton, and S. D. Klyce, Lexington, assignors to The McDonald Company, Boston, Mass. Hot-water system for railroad cars and the like. 2,502,973, Apr. 4.

McDonald, N. L., assignee: *See*— Augustine, Heinz.

McDonald, Scott C., and F. A. Rody, Canton, Ohio. Game marker dispenser. 2,520,321, Aug. 29.

McDonald, Sterling B., Naperville, Ill., assignor, by mesne assignments, to Push-Back Chair Co., Los Angeles, Calif. Theater chair. 2,509,739, May 30.

McDonald, William E., Salt Lake City, Utah. Track layout for loading and unloading. 2,493,010, Jan. 3.

McDonald, William P.: *See*— Waters, Milton V., McDonald, and Baecker.

McDonnell Aircraft Corporation, assignee: *See*— Mazzoni, James J.

McDonnell, Arthur E., Janesville, Wis. Spiked sandal. 2,525,638, Oct. 10.

McDonnell & Miller, Inc., assignee: *See*— Kmieclk, Leopold J.

McDougal, Harold L., Lakewood, Ohio. Device for measuring the liquid content of partially filled transparent containers. 2,516,330, July 25.

McDougall, Stanley W., Kellogg, Idaho. Mucking machine for inclined mine shafts. 2,530,714, Nov. 21.

McDow, Thomas B., assignor to Edwards Councilor Company, Norfolk, Va. Cleaning agent dispenser. 2,514,887, July 11.

McDowall, Charles J., J. E. Storer, Jr., and E. A. Richards, Indianapolis, Ind., assignors to General Motors Corporation, Detroit, Mich. Marine gear. 2,521,239, Sept. 5.
McDowell, Alfred L., Atwood, Ontario, Canada. Windshield ice remover. 2,510,594, June 6.
McDowell, George P.: *See*—
Cunningham, Marion M., and McDowell.
McDowell, James H, Greenwich, Conn. Signaling device. 2,520,219. Aug. 29.
McDowell, John S. T., assignee: *See*—
Lucas, Joseph E.
McDowell, Lawrence, Marietta, Ga. Sine bar attachment. 2,511,443, June 13.
McDowell, Lawrence P., Goleta, Calif. Portable book light. 2,524,461, Oct. 3.
McDowell & Torrence Lumber Company, The, assignee: *See*—
Haines, Malcolm E.
McDowell, Walter R.: *See*—
Berg, Leo F., and McDowell.
McDuffie, Duel J., Plaquemine, La. Paraffin cutter. 2,521,076, Sept. 5.
McEachran, Paul R., Downey, assignor of fifty per cent to H. R. Pauley, Los Angeles, Calif. Brake shoe construction. 2,521,988, Sept. 12.
McElhaney, Edward D., and F. N. Michehl, Dunkirk, N. Y. Welder's inspection light. 2,534,786, Dec. 19.
McElhannon, Raymond J., Flushing, N. Y., assignor to the United States of America as represented by the Secretary of War. Blind landing system. 2,502,974, Apr. 4.
McElhatton, John, Chicago, Ill. Portable spreader device. 2,514,962, July 11.
McElhinney, Eric M., Dysart, and J. B. Kucera, Traer, Iowa. Pickup device. 2,526,960, Oct. 24.
McElligott, Edward M., assignor to Swedish Crucible Steel Company, Detroit, Mich. Producing pearlescent articles. 2,516,065, July 18.
McElrath, Thomas, Jr., Chatham, and F. M. Drake, Cranford, N. J., assignors to The Linde Air Products Company. Inert gas blanketed oscillatory welding rod feed. 2,505,054, Apr. 25.
McElreath, Joe E., Ada, Okla. Insect exterminating device. 2,530,893, Nov. 21.
McElroy, Robert M., East Gadsden, Ala. Casting dart. 2,499,029, Feb. 28.
McElroy, Roy H., assignor to International Engineering, Inc., Dayton, Ohio. Duct booster. 2,494,772, Jan. 17.
McElroy, Stanley M., Smithfield, Pa. Holder for bulbs. 2,535,586, Dec. 26.
McElvain, William A.: *See*—
Magann, Merritt W., and McElvain.
McEnary, Michael, La Salle, Ill. Pulley with threading means. 2,523,440, Sept. 26.
McEvoy Company, assignee: *See*—
Eichenberg, Robert.
McEwan, James J., assignor to The Batesville Casket Company, Batesville, Ind. Casket sealing means. 2,533,827, Dec. 12.
McEwan, James J., assignor to The Batesville Casket Company, Batesville, Ind. Casket sealing means. 2,533,828, Dec. 12.
McEwan, James, San Jose, Calif. Saw sharpener. 2,535,439, Dec. 26.
McEwan, William: *See*—
Britton, Roscoe C., and McEwan.
McEwen, Norman S., Fort Lauderdale, Fla. Skeet trap. 2,504,437, Apr. 18.
McEwen, Robert L., Williamsville, assignor to Buffalo Electro-Chemical Company, Inc., Tonawanda, N. Y. Bleaching high-density pulp. 2,513,344, July 4.
McEwen, Robert L., Williamsville, assignor to Buffalo Electro-Chemical Company, Inc., Tonawanda, N. Y. Bleaching semichemical pulps. 2,527,563, Oct. 31.
McEwen, Robert L., Williamsville, and F. R. Sheldon, Buffalo, assignors to Buffalo Electro-Chemical Company, Inc., Tonawanda, N. Y. Bleaching groundwood. 2,510,595, June 6.
McEwen, Robert L., Williamsville, and F. R. Sheldon, assignors to Buffalo-Electro Chemical Company, Inc., Buffalo, N. Y. Bleaching moist felted groundwood pulp. 2,514,503, July 11.
McFadden, George H.: *See*—
Bennett, Bailey, and McFadden, and Lyman.
McFall, Thurlow E., assignor to Michigan Artcraft Company, Sparta, Mich. Lock means for extension table slides. 2,511,282, June 13.
McFall, Thurlow E., Sparta, assignor to Muskegon Piston Ring Company, Muskegon, Mich. Piston ring. 2,517,225, Aug. 1.
McFall, Thurlow E., Sparta, assignor to Muskegon Piston Ring Company, Muskegon, Mich. Piston ring. 2,520,369, Aug. 29.
McFall, Thurlow E., Sparta, assignor to Muskegon Piston Ring Company, Muskegon, Mich. Piston ring. 2,521,300, Sept. 5.
McFall, William W., River Forest, Ill. Garment packing device. 2,508,579, May 23.
McFarlan, Alden I., Westfield, N. J. Quick-freezing. 2,502,527, Apr. 4.
McFarland, Artie F., assignor to MacFarland Manufacturing Corporation, Houston, Tex. Fluid powered washing machine. 2,534,674, Dec. 19.
McFarland, Donald L.: *See*—
Clark, John R., and McFarland.
McFarland, Donald L., Milford, assignor to United Aircraft Corporation, East Hartford, Conn. Aircraft wing tip fuel tank installation. 2,514,888, July 11.
McFarland, Donald L., Monroe, Conn., assignor to General Electric Company. Control for electric water kettles. 2,509,008, May 23.
McFarland, Forest R., Huntington Woods, assignor to Packard Motor Car Company, Detroit, Mich. Multiple piston hydraulic motor for planetary gear brakes. 2,513,192, June 27.
McFarland, Forest R., Huntington Woods, assignor to Packard Motor Car Company, Detroit, Mich. Transmission mechanism. 2,515,831, July 18.
McFarland, Forest R., Huntington Woods, assignor to Packard Motor Car Company, Detroit, Mich. Transmission mechanism. 2,530,310, Nov. 14.
McFarland, George L., Scotia, N. Y., assignor to General Electric Company. Clamping device. 2,531,147, Nov. 21.
McFarland, George L. Jr., and Ernest F. Goetz, Schenectady, N. Y., assignor to General Electric Company. Metal-clad plate type rheostat. 2,498,500, Feb. 21.
McFarland, Herbert H., San Francisco, Calif. Bottle holder. 2,500,846, Mar. 14.
McFarland, James L.: *See*—
Jones, Norman B., and McFarland.
McFarland, Walter D.: *See*—
Stecker, Florentine A., and McFarland.
McFarlane, John W., and C. E. Moses, assignors to Eastman Kodak Company, Rochester, N. Y. Print exposure computer. 2,533,489, Dec. 12.
McFarlane, Maynard D., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Sector scan control for antenna systems. 2,502,975, Apr. 4.
McFarlane, Maynard D., Los Angeles, Calif. Film facsimile scanning. 2,517,797, Aug. 8.
McFarlane, Samuel B., Summit, N. J., and J. Lomartire, Cumberland, Md., assignors to Celanese Corporation of America. Esters. 2,513,504, July 4.
McFarlane, Samuel B., and G. E. Moos, Summit, N. J., assignors to Celanese Corporation of America. Treatment of synthetic fibers with formaldehyde. 2,514,550, July 11.
McFarlane, William D., Ste.-Anne-de-Bellevue, Quebec, assignor to Victor Mills Limited, Toronto, Ontario, Canada. Preparing vitamin E enriched oil. 2,497,317, Feb. 14.
McFarlin, Charles J., near Sheffield, Ala., assignor to Tennessee Valley Authority. Phosphorus combustion furnace. 2,532,322, Dec. 5.
McFarlin, John R., assignor to Electric Service Manufacturing Company, Philadelphia, Pa. Circuit interrupter. 2,504,438, Apr. 18.
McFeaters, Harry L., New Castle, Pa., assignor to Pennsylvania Engineering Corporation. Skew arch support. 2,518,352, Aug. 8.
McFeron, Douglas R., Eugene, Oreg. Power-operated dog for sawmill carriages. 2,535,440, Dec. 26.
McGaffey, Van, New York, N. Y. Door bar-bolt. 2,503,503, Apr. 11.
McGann, Joseph H., Jr., Washington, D. C. Fire extinguishing device. 2,535,311, Dec. 26.
McGarvey, Harold J.: *See*—
Pifer, Marion J., Meyer, and McGarvey.
McGaughy, Franklin C., San Antonio, Tex. Cartesian diver. 2,525,232, Oct. 10.
McGeary, Robert K., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Magnetic alloy. 2,512,358, June 20.
McGee, George, assignor to Johnson Engineering and Manufacturing Co., Wilkes-Barre, Pa. Sleeve or bushing for holding bobbins firmly on the pins of pin trays. 2,532,114, Nov. 28.
McGee, Robert V. J.: *See*—
Corner, Eugene S., McGee, and Lynch.
McGee, Walter H., Jefferson City, Mo., assignor of one-half to Mrs. D. M. Kelly, Kensington, Md. Convertible seat structure for automobiles. 2,534,612, Dec. 19.
McGehee Company, assignee: *See*—
McGehee, Wallace L.
McGehee, David K., Canyon, Tex. Delayed acting power lift. 2,535,441, Dec. 26.
McGehee, Wallace L., assignor to McGehee Company, Kansas City, Mo. Ventilated drum for dehydrators. 2,496,225, Jan. 31.
McGehee, Wallace L., assignor to McGehee Company, Kansas City, Mo. Discharge duct assembly for dehydrators. 2,504,714, Apr. 18.
McGibbon, Reginald H., Kirribilli, near Sydney, T. S. Skillman, Mosman, near Sydney, and L. J. Owen, Epping, near Sydney, assignors to Communication Engineering Pty. Limited, Sydney, New South Wales, Australia. Electromagnetically operated coil clutch. 2,523,772, Sept. 26.
McGihon, Leonard, San Leandro, assignor to King Sales & Engineering Co., San Francisco, Calif. Processing apparatus. 2,528,069, Oct. 31.
McGill, Daniel F., Portland, Oreg. Rotary type air compressor. 2,523,317, Sept. 26.

McGill Manufacturing Company, Inc., assignee: *See*—
Carlson, Marvin C.
Popp, Rudolf, and Carlson.
McGinnis, Howard E., and J. J. Staffelbach, Wichita, Kans. Trailer dolly. 2,523,040, Sept. 19.
McGinnis, Joseph J.: *See*—
Finlayson, William G., Brown, and McGinnis.
McGinnis, Kathryn, Pittsburgh, Pa. Blouse. 2,522,232, Sept. 12.
McGinnis, Richard A.: *See*—
Earl, John R., Hartmann, McGinnis, and Bernhardt.
McGinnis, Walter F., assignee: *See*—
Whitlock, Charles H.
McGinnis, William J., Philadelphia, Pa. Water displacer starter for outlet siphons. 2,526,382, Oct. 17.
McGirr, Robert, Pottsville, Pa., assignor to Atlas Powder Company, Wilmington, Del. Explosive cartridge connector. 2,525,703, Oct. 10.
McGivern, Paul V., Tulsa, Okla., assignor to Baker Oil Tools, Inc., Vernon, Calif. Multiple zone control apparatus. 2,507,262, May 9.
McGlothlen, John L., Pittsburgh, Pa. Stepladder. 2,527,834, Oct. 31.
McGlumphy, Ralph L., Kankakee, Ill. Bunion easer and toe straightener. 2,499,768, Mar. 7.
McGoffin, William W., assignor of one-fifth to S. S. Baker, New York, N. Y. Automatic code selector. 2,514,889, July 11.
McGogy, Donald H., Vancouver, Wash., assignor to E. S. Marnon, Oregon City, Oreg. Fluid pressure unit. 2,530,337, Nov. 14.
McGonigle, Mary V., Woodside, N. Y. Carrier for small animals. 2,522,391, Sept. 12.
McGorum, William B., Pelham, N. Y. Agitating device for making frozen desserts. 2,516,232, July 25.
McGovern, Bernard J.: *See*—
Mojonnier, Harry G., and McGovern.
McGovern, Edward M., Maplewood, and P. Schrick, Newark, N. J. Ridge grinding tool. 2,535,587, Dec. 26.
McGovern, Francis E., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Wiping mechanism for conveyer belts. 2,514,780, July 11.
McGovern, John J., Arlington, Wash. Coupler for ferrule-ended cables. 2,511,283, June 13.
McGowan, Donald J., and A. F. Haller, Milwaukee, Wis., and L. L. Hebberd, assignors to The S. Obermayer Co., Chicago, Ill. Drying furnace. 2,531,148, Nov. 21.
McGowan, Kenneth J. J., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Locking device. 2,520,848, Aug. 29.
McGrath, James R., Wildwood, N. J. Rotary receptacle closure. 2,495,015, Jan. 17.
McGrath, James R., Wildwood, N. J. Collapsible tube holder and squeezer. 2,512,210, June 20.
McGrath, Joseph N.: *See*—
McGrath, Lloyd N., and J. N.
McGrath, Lloyd N. and J. N., Detroit, Mich. Fuel gauge for tractors. 2,533,490, Dec. 12.
McGrath, Marshall W.: *See*—
Lenhart, Bernard B., and McGrath.
McGrath, Thomas, Neptune, N. J. Freezing machine. 2,522,458, Sept. 12.
McGrath, William L., assignor to Carrier Corporation, Syracuse, N. Y. Air conditioning system. 2,500,695, Mar. 14.
McGrath, William L., assignor to Carrier Corporation, Syracuse, N. Y. Air conditioning. 2,500,696, Mar. 14.
McGrath, William L., assignor to Carrier Corporation, Syracuse, N. Y. Conduit fitting for air-conditioning systems. 2,502,165, Mar. 28.
McGrath, William L., assignor to Carrier Corporation, Syracuse, N. Y. Joint. 2,506,728, May 9.
McGrath, William L., assignor to Carrier Corporation, Syracuse, N. Y. Air conditioning system. 2,517,498, Aug 1.
McGrath, William L., assignor to Carrier Corporation, Syracuse, N. Y. Dehumidifying apparatus. 2,517,499, Aug. 1.
McGrath, William L., assignor to Carrier Corporation, Syracuse, N. Y. Refrigeration system, including capillary tube. 2,520,045, Aug. 22.
McGrath, William L., assignor to Carrier Corporation, Syracuse, N. Y. Defrosting equipment for refrigerator systems. 2,527,368, Oct. 24.
McGraw Electric Company, assignee: *See*—
Amundson, Roald H., and Dryer.
Biebel, Herman M.
Brown, Chester W.
Dryer, Henry V.
Earle, Ralph H.
Earle, Ralph H., and Amundson.
Gomersall, John R.
Hausman, George J.
Hensler, Elmer G.
Kyle, William D., Jr., and Van Ryan.
Mah, Henry G.
McGraw, Max.
Nelson, Rolland D.
Osterheld, Clark M.
Rigert, Max.
Schindler, Carl.
Schindler, Carl, and Froland.
Schultz, William O.
Smythe, Robert L.
McGraw Electric Company, assignee: *See*—Continued.
Smythe, Robert L., Mahler, and Behlmer.
Steinmayer, Alwin G.
Steinmayer, Alwin G., and Schultz.
Thiry, George L.
Van Ryan, Anthony.
Van Ryan, Anthony, and Rigert.
Wiegand, David E.
McGraw, Max, Chicago, assignor to McGraw Electric Company, Elgin, Ill. Electric heating unit. 2,493,542, Jan. 3.
McGraw, Max, Chicago, assignor to McGraw Electric Company, Elgin, Ill. Electric iron. 2,511,536, June 13.
McGraw, Max, Chicago, assignor to McGraw Electric Company, Elgin, Ill. Cord support. 2,517,010, Aug. 1.
McGreal, Martin E.: *See*—
Niederl, Joseph B., and McGreal.
McGregor, Carlton F., deceased, Erie, Pa.; L. E. Pawson, trustee of said C. F. McGregor. Radius tool. 2,525,819, Oct. 17.
McGregor, Delbert A., Chippewa Falls, Wis. Bowling alley gutter cleaner. 2,509,604, May 30.
McGregor, Eugene R.: *See*—
Liljengren, Curtis P., and McGregor.
McGregor, Floyd E.: *See*—
Kearney, Thomas J., and McGregor.
McGregor, Rob R., Verona, and E. L. Warrick, Pittsburgh, Pa., assignors to Dow Corning Corporation, Midland, Mich. Linear chloromethylmethylsiloxanes. 2,507,316, May 9.
McGregor, Rob R., Verona, and E. L. Warrick, Pittsburgh, Pa., assignors to Corning Glass Works, Corning, N. Y. Chlorinated methyl siloxanes. 2,522,053, Sept. 12.
McGrevy, George F., assignor to Wico Electric Company, West Springfield, Mass. Fastening means for the stator plates of flywheel magnetos. 2,528,700, Nov. 7.
McGrew, John A., Albany, N. Y. Rail fastener. 2,531,577, Nov. 28.
McGrew, William A.: *See*—
Storer, Richard M., and McGrew.
McGrogan, John F., assignor to The Atlantic Refining Company, Philadelphia, Pa. Lubricant compositions containing beryllium carboxylates. 2,512,359, June 20.
McGruer, William, Montreal, Quebec, Canada. Soldering iron. 2,515,462, July 18.
McGuckin, Glenn M., Corpus Christi, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Apparatus for solving seismic problems for location and dip of reflecting beds. 2,535,220, Dec. 26.
McGuffage, Lois B., Denver, Colo. Adjustable pillow block. 2,521,530, Sept. 5.
McGuffin, Frank L., Inglewood, Calif. Apparatus for photographic reproduction by means of an electronic flash bulb. 2,530,396, Nov. 21.
McGuire, Arthur M., assignor to Hydroway, Incorporated, Philadelphia, Pa. Mixing chamber for suction cleaners. 2,527,439, Oct. 24.
McGuire, Kenneth L., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Pressure responsive switch for indicators. 2,511,509, June 13.
McGuire, Roy L.: *See*—
Schrager, Sidney H., and McGuire.
McGuire, Veronica W., Woodhaven, N. Y. Receptacle carrier. 2,494,303, Jan. 10.
McGuire, Walter W., Jackson, Mich. Desk novelty letter holder. 2,501,402, Mar. 21.
McGurl, Gilbert V., Newark, N. J., assignor to Koppers Company, Inc., Pittsburgh, Pa. Changing the composition of a combustible gas by diffusion. 2,497,898, Feb. 21.
McHan, Brack B., Quincy, assignor to Calcium Carbonate Company, Chicago, Ill. Stabilized composition. 2,529,405, Nov. 7.
McHan, Roy M., Vinemont, Ala. Mechanical fishing float or bob. 2,501,230, Mar. 21.
McHarness, Robert C., and A. F. Benning, Woodstown, N. J., assignors to the United States of America as represented by the United States Atomic Energy Commission. Dehydration of alkali-metal acid fluorides. 2,527,320, Oct. 24.
McHenry, George W., Pomona, Calif. Combination cushion and support pad. 2,522,186, Sept. 12.
McHenry, Millard L., Akron, and N. L. McHenry, Barberton, Ohio. Indicator socket for devices in series connection. 2,503,677, Apr. 11.
McHenry, Norton L.: *See*—
McHenry, Millard L. and N. L.
McHollan, James A., Valley Stream, N. Y. Shade support and extinguisher for candles. 2,528,604, Nov. 7.
McHugh, Joseph W., Pittsburgh, Pa. Light-sensitive print development apparatus. 2,524,818, Oct. 10.
McIlroy, John H., assignor to Macvan Manufacturing Company, San Diego, Calif. Twin lens reflex camera. 2,496,059, Jan. 31.
McIlroy, Malcolm S., Ithaca, N. Y., assignor to The Standard Electric Time Company, Springfield, Mass. Electric analyzer for fluid-distribution systems. 2,509,042, May 23.
McIlvaine, Douglas K., Des Plaines, Ill., assignor to Alco Valve Company, University City, Mo. Pilot indicator for solenoid valves. 2,528,898, Nov. 7.

McIlvaine, Oran T., St. Charles, Ill. Phonograph pickup device. 2,514,081, July 4.
McIlvaine, Oran T., St. Charles, Ill. Photoelectric tube. 2,516,784, July 25.
McIlvaine, Robert L., Glencoe, assignor, by mesne assignments, to H. S. Simpson, Evanston, Ill., as trustee. Material cooling device. 2,531,578, Nov. 28.
McIlvried, Edwin J., assignor to The Vaughn Machinery Company, Cuyahoga Falls, Ohio. Die lubricating apparatus. 2,502,471, Apr. 4.
McInnes, Dobbie, Limited, assignee: *See*—
More, Jasper.
Stead, Edward B.
McInnis, William H., Windsor, Ontario, Canada. Conveyer drive. 2,529,777, Nov. 14.
McIntosh, A. Vern, Jr.: *See*—
Levin, Robert H., and McIntosh.
Levin, Robert H., McIntosh, and Spero.
McIntosh, David O., assignor of one-half to Charles W. Akers, Nashville, Tenn. Concrete mixer. 2,495,379, Jan. 24.
McIntire, Floyd C., Waukegan, assignor to Abbott Laboratories, North Chicago, Ill. Cation exchange medium. 2,505,561, Apr. 25.
McIntire, Otis R., assignor to The Dow Chemical Company, Midland, Mich. Making and storing compositions comprising thermoplastic resins and normally gaseous solvents. 2,515,250, July 18.
McIntosh, Robert R., Battle Creek, Mich. Method and apparatus for ejecting cinders and the like from locomotive smoke boxes. 2,516,714, July 25.
McIntyre, Arthur B., Monterey Park, Calif. Apparatus for irrigating land. 2,509,605, May 30.
McIntyre, Brouwer D., assignor to Monroe Auto Equipment Company, Monroe, Mich. Spring seat construction. 2,534,047, Dec. 12.
McIntyre, Charles A., and W. E. Barden, San Francisco, Calif. Windshield wiper attachment. 2,535,805, Dec. 26.
McIntyre, Glenn S., Lansing, assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Welding electrode assembly. 2,517,798, Aug. 8.
McIntyre, Harry T., Philadelphia, Pa. Ratio control for captive airplanes. 2,527,274, Oct. 24.
McIver, De Witt T., and C. O. Lee, New Orleans, La., and B. A. Axelrad, Freeport, Tex., assignors to Freeport Sulphur Company, New York, N. Y. Mining of sulfur. 2,493,413, Jan. 3.
McIver, William K., Fort Wayne, Ind., assignor to General Electric Company. Power transmitting device. 2,503,916, Apr. 11.
McIver, William K., Fort Wayne, Ind., assignor to General Electric Company. Gear transmission. 2,508,121, May 16.
McKahin, John D., Hinsdale, Ill., assignor to International Harvester Company. Tractor mounted corn binder. 2,500,040, Mar. 7.
McKalip, James C., Pittsburgh, Pa. Gasoline tank cap. 2,496,883, Feb. 7.
McKamy, Paul E., Chicago, Ill. Washer for gases. 2,523,441, Sept. 26.
McKay, Arthur F., Kingston, and G. F. Wright, Toronto, assignors to The Honorary Advisory Council for Scientific and Industrial Research, Ottawa, Ontario, Canada. 2-nitramino Δ^2-1,3 diazacycloalkenes. 2,525,927, Oct. 17.
McKay, Arthur W., Sacramento, Calif. Reshaping device for shoes. 2,532,564, Dec. 5.
McKay Chemical Company, Inc., assignee: *See*—
McKay, George R.
McKay Company, The, assignee: *See*—
Hardy, William G.
McKay, George R., Garden City, assignor to McKay Chemical Company, Inc., Brooklyn, N. Y. Etching compound. 2,493,984, Jan. 10.
McKay, George W., Portland, Oreg. Rotatable disk chance device. 2,523,911, Sept. 26.
McKay, H. Dexter, executor: *See*—
Berta, Alex.
McKay, James A., Westmount, and R. J. Worsley, Montreal, Quebec, Canada. Color card machine. 2,525,612, Oct. 10.
McKean, James D., Seattle, Wash. Retractable caster 2,524,819, Oct. 10.
McKay, John F., Jr.: *See*—
Dornte, Ralph W., and McKay.
McKay Machine Company, The, assignee: *See*—
Daukus, John F.
Todd, Russell T.
McKay, Robert V., Detroit, Mich. Gauge and method for mounting and securing doors. 2,502,166, Mar. 28.
McKay, William R.: *See*—
Mitchell, Rollie H., and McKay.
McKay, William R., Compton, Calif. Separable coupler for hose or pipe. 2,500,847, Mar. 14.
McKeague, Arthur L., Staten Island, N. Y., assignor to Syncro Machine Company, Perth Amboy, N. J. Dumb waiter door and cam operator. 2,495,902, Jan. 31.
McKean, Boyd A., Erie, assignor to Titan Tool Company, Fairview, Pa. Stud setting device. 2,531,456, Nov. 28.
McKechnie, Ian C., R. E. Blue, and L. E. Oliphant, Detroit, Mich. Electric arc drill. 2,501,954, Mar. 28.
McKechnie, Ian C., and T. M. Ball, Detroit, assignors to Chrysler Corporation, Highland Park, Mich. Power transmission. 2,509,981, May 30.
McKee, Dwight I., R. E. Kester, and H. R. Smith, Dayton, Ohio. Preset for antenna wire. 2,521,737, Sept. 12.
McKee, George K., Cincinnati, Ohio, assignor to The Avey Drilling Machine Company, Covington, Ky. Machine tool transmission. 2,501,450, Mar. 21.
McKee, Hilton J.: *See*—
Burge, James S., McKee, and Rider.
McKee, James W.: *See*—
Johnson, George L., Happel, and McKee.
McKee, Neal T., Bronxville, assignor to The Air Preheater Corporation, New York, N. Y. Airport runway heating system. 2,505,622, Apr. 25.
McKeefrey, Elvira C., assignee: *See*—
Chaft, Marc E.
McKeever, Charles H., Glenside, and G. H. Agnew, assignors to Rohm & Haas Company, Philadelphia, Pa. Preparation of ester-acetals. 2,533,276, Dec. 12.
McKellip, Spencer W., Wynnewood, Pa., assignor to Radio Corporation of America. Automatic selector mechanism. 2,493,635, Jan. 3.
McKelvey, Robert E., Los Angeles, Calif. Reduction drive for drill presses and the like. 2,506,514, May 2.
McKendry, Richard C., Dayton, Ohio. Impact testing machine. 2,506,607, May 9.
McKenna, Denis, Waymouth, Mass. Vehicle wheel. 2,506,677, May 9.
McKenna, James A., San Francisco, Calif. Ball aligner bearing race for distributors. 2,504,439, Apr. 18.
McKenna, Philip M., Greensburg, assignor to Kennametal Inc., Latrobe, Pa. Making titanium carbide. 2,515,463, July 18.
McKenna, Philip M., Greensburg, assignor to Kennametal Inc., Latrobe, Pa. Making tungsten monocarbide from tungsten-containing material. 2,529,778, Nov. 14.
McKenney, Henry F.: *See*—
Newell, William H., and McKenney.
McKenzie, Donald C., Minneapolis, Minn. Article or package carrier. 2,533,135, Dec. 5.
McKenzie, Hugh H., Norfolk, Va. Screw driver. 2,523,041, Sept. 19.
McKenzie, Lewis G., and A. R. Kingsley, Houghton Lake, Mich. Liquid fuel stove with simultaneous fuel and air control. 2,511,932, June 20.
McKenzie, Wendell R., assignee: *See*—
McCurtain, Frank.
McKeown, Irma B., Charlotte, N. C. Himalaya and slub means for spinning frames. 2,509,443, May 30.
McKeown, John L., Newry, Northern Ireland. Device for separating sheets, cards, or the like. 2,524,918, Oct. 10.
McKibben, Denver L., Aurora, Ill. Basket cart. 2,502,579, Apr. 4.
McKibbin, Genevieve, Seattle, Wash. Repair of femur fracture. 2,500,370, Mar. 14.
McKibben, Joseph L., Los Alamos, N. Mex., assignor to the United States of America as represented by the United States Atomic Energy Commission. Insulating column structure. 2,509,009, May 23.
McKiernan, James D.: *See*—
Bender, Joseph A., and McKiernan.
McKim, Douglas M.: *See*—
Hall, Ronald H., and McKim.
McKinley, Boyd R., Long Beach, Calif. Formation tester. 2,503,557, Apr. 11.
McKinley, Clyde: *See*—
Copes, Joseph P., and McKinley.
McKinley, Clyde, Phillipsburg, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Hydrolysis of vinyl ethers. 2,533,172, Dec. 5.
McKinley, David R., assignee: *See*—
Hanson, Walter C.
McKinley, Thomas H., Redding, Calif. Lawn sprinkler. 2,506,032, May 2.
McKinley, W. F., assignee: *See*—
Anderson, Guy R.
McKinley, William D., Tulsa, Okla. Safety ladder. 2,535,544, Dec. 26.
McKinney, Alvah B.: *See*—
Rodgers, Robert H., and McKinney.
McKinney, Arthur Cleveland, Fort Worth, Tex. Clothespin. 2,493,305, Jan. 3.
McKinney, Benjamin J.: *See*—
Holloway, Floyd T., and McKinney.
McKinney, Carlos J., Detroit, Mich., assignor to The General Tire and Rubber Company, Akron, Ohio. Window channel construction and assembly. 2,523,839, Sept. 26.
McKinney, Dwight D.: *See*—
Savage, Reuben T., and McKinney.
McKinney, Ernie A., assignee: *See*—
McKinney, Harley R.
McKinney, Harley R., deceased, Enoch, L. McKinney, adminstratrix of said H. R. McKinney, assignor of one-half to E. A. McKinney, Quinwood, W. Va. Tracing table. 2,510,124, June 6.
McKinney, Howard E.: *See*—
Murphy, James P., and McKinney.
McKinney, Laura, adminstratrix: *See*—
McKinney, Harley R.
McKinney, Leonard L.: *See*—
Croston, Clarence B., Evans, McKinney, and Cowan.
McKinney, Leonard L., E. H. Uhing, and J. C. Cowan, Peoria, Ill., assignors to the United States of America as represented by the Secretary of Agriculture. N-(2-cyanoethyl)-2-pyrrolidone-5-carboxylic acid and its preparation. 2,517,585, Aug. 8.

McKinney, Norman, Elkins Park, Pa., assignor of one-half to J. F. Ebert, doing business as Ebert Engineering and Manufacturing Company. Coil construction. 2,531,916, Nov. 28.

McKinney, Robert M., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Titanium oxide pigment production. 2,507,729, May 16.

McKinney, Roy E., Dallas, Tex. Weed extractor. 2,532,115, Nov. 28.

McKinney, Walter, Childress, Tex. Truck crane. 2,496,401, Feb. 7.

McKinnis, Art C., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Solvent extraction. 2,503,119, Apr. 4.

McKinnis, Art C., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Alternate oxidation and reduction of carbon. 2,516,233, July 25.

McKinnis, Art C., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Purification of oils. 2,518,353, Aug. 8.

McKinnon, Columbus, Chain Corporation, assignee: *See*—
Manney, Charles J.
Parker, Humphrey F.
Robins, Erford E., and Parker.

McKinnon, Ronald J., Bedford Hills, N. Y. Vacuum steam heating system and operating the same. 2,534,826, Dec. 19.

McKinnon, Thomas J., Houston, Tex. Grapefruit corer. 2,513,505, July 4.

McKinsey, Clarence E., Painesville, Ohio, assignor to General Electric Company. Chute with slot means for sorting in-leads. 2,501,403, Mar. 21.

McKinstry, Earl L., and C. M. Roseman, Cleveland, Ohio, assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Electrical contact brush. 2,518,919, Aug. 15.

McKinzey, Reuben S., Lawton, Okla. Moist air filter. 2,531,071, Nov. 21.

McKissock, John L., Lake Worth, Fla. Coupler for miniature railways. 2,513,267, June 27.

McKnight, James L., Houston, Tex. Speed warning device. 2,493,985, Jan. 10.

McKnight, William J., Van Nuys, Calif. Apparatus for debeaking fowls. 2,501,283, Mar. 21.

McKusick, Blaine C.: *See*—
Cairns, Theodore L., Larcher, and McKusick.

McLane, Leon J., Gulfport, Fla. Fishing rod handle. 2,526,080, Oct. 17.

McLaren, Peter J., New York, and C. O. Benson, Garden City Park, assignors to The W. L. Maxson Corporation, New York, N. Y. Snap over toggle switch mechanism. 2,521,015, Sept. 5.

McLarn, Ernest S., Manhasset, assignor to International Standard Electric Corporation, New York, N. Y. Push-button switch arranged in multple rows. 2,531,457, Nov. 28.

McLauchlan, Arthur B., Salem, Oreg. Food slicer. 2,510,291, June 6.

McLaughlin, Carl B., J. D. Ochs, and C. L. Redmon, assignors to Tube Turns, Inc., Louisville, Ky. Apparatus for manufacture of helical coils of tubing. 2,505,623, Apr. 25.

McLaughlin, Frank L., Detroit, Mich. Captive nut. 2,513,037, June 27.

McLaughlin, Gordon F., Fort Worth, Tex. Closure for dispensing tubes and the like. 2,534,139, Dec. 12.

McLaughlin Gormley King Company, assignee: *See*—
Gnadinger, Charles B.

McLaughlin, James L. A., La Jolla, Calif. Heterodyne eliminator communication system. 2,535,442, Dec. 26.

McLaughlin, John E., J. E. Wilske and F. A. McCormick, Alton, Ill., assignors to Owens-Illinois Glass Company. Partition strip assembling machine. 2,497,318, Feb. 14.

McLaughlin, John J., Chicago, Ill., assignor to Crimora Research and Development Corporation, Crimora, Va. Making alloys. 2,500,912, Mar. 14.

McLaughlin, Joseph, Joliet, Ill. Auger bit head. 2,510,751, June 6.

McLaughlin, Richard A., Canton, Ohio, assignor to Poor & Company, Chicago, Ill. Blank gauge for shearing machines. 2,507,448, May 9.

McLaughlin, Richard A., Canton, Ohio, assignor, by mesne assignments, to Poor & Company, Chicago, Ill. Rail anchor. 2,530,021, Nov. 14.

McLean, Andrew, West Kilbride, W. E. Tetlow, Saltcoats, and J. Munro, West Kilbride, Scotland, assignors to Imperial Chemical Industries Limited. Triamino benzene monohydrate. 2,501,907, Mar. 28.

McLean, Eric K., and R. H. Ives, assignors, by mesne assignments, to Eastman Kodak Company, Rochester, N. Y. Rotor for centrifugal stills. 2,523,042, Sept. 19.

McLean, Glen W.: *See*—
Williams, Howard L., and McLean.

McLean, James N., assignor to Chapman Transmission Corporation, Buffalo, N. Y. Hydraulic lifting jack. 2,526,148, Oct. 17.

McLean, John A., Jr., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Temperature control apparatus. 2,530,338, Nov. 14.

McLean, Joseph A., Raymond, Alberta, Canada. Device for scribing pipes. 2,502,660, Apr. 4.

McLean, Leland O., Marion, Ohio. Hoe excavator. 2,498,000, Feb. 21.

McLean, Leland O., Marion, Ohio. Pneumatic clutch mechanism. 2,512,360, June 20.

McLean, Lyle G., assignee: *See*—
Thomas, Roy R.

McLean, Philip S., assignee: *See*—
Brown, William F.

McLean, Robert E., Columbus, Ga., assignor to John C. Hockery, Kansas City, Mo., as trustee. Can opener. 2,498,441, Feb. 21.

McLean, Robert E., Fort Benning, Ga., assignor to John C. Hockery, Kansas City, Mo., as trustee. Rotary type can opener. 2,498,440, Feb. 21.

McLean, William B., Coraopolis Heights, assignor to Dravo Corporation, Pittsburgh, Pa. Truss construction. 2,514,607, July 11.

McLean, William B., Coraopolis Heights, assignor to Dravo Corporation, Pittsburgh, Pa. Load equalizing means for wheels of moving structures. 2,518,162, Aug. 8.

McLean, William B., and I. H. Swift, Inyokern, Calif., assignors to the United States of America as represented by the Secretary of the Air Force. Photoelectric inclinometer and accelerometer. 2,498,997, Feb. 28.

McLean, William S., Woodbury, assignor to National Union Radio Corporation, Orange, N. J. Method and apparatus for making dynodes. 2,533,387, Dec. 12.

McLear, Charles, assignor to The DoAll Company, Des Plaines, Ill. Variable speed pulley. 2,502,976, Apr. 4.

McLellan, Charles, Los Angeles, Calif. Lid catcher. 2,529,779, Nov. 14.

McLellan, Paul W., Frederick, Okla. Lamp attachment for ambulance cots. 2,498,287, Feb. 21.

McLemore, Price C., Montgomery, Ala. Planting 2,514,890, July 11.

McLemore, Price C., Montgomery, Ala., assignor to Delinted Seed Company. Treating cotton seed. 2,515,725, July 18.

McLemore, Price C., Montgomery, Ala. Apparatus for flame cultivation of plants. 2,528,899, Nov. 7.

McLemore, Price C., Montgomery, Ala. Flame cultivator. 2,530,894, Nov. 21.

McLemore, Price C., Waugh, Ala. Planter. 2,509,691, May 30.

McLemore, Price C., The Oaks, Waugh, Ala. Apparatus for cultivation of plants. 2,531,884, Nov. 28.

McLendon, Earl D., Atlanta, Ga. Electric sign. 2,508,680, May 23.

McLendon, Carlton G., assignor of one-half to C. T. Wills, Dawson, Ga. Peanut vine harvester. 2,516,473, July 25.

McLeod, John H., Jr., assignor to Leeds and Northrup Company, Philadelphia, Pa. Pneumatic control system. 2,505,981, May 2.

McLeod, John H., Jr., assignor to Leeds and Northrup Company, Philadelphia, Pa. Automatic controller of fluid-pressure type. 2,507,606, May 16.

McLeod, L. S., assignee: *See*—
Sorensen, Clarence T.

McLeod, Roderick C., Cropston, and T. E. Callister, Barrow-in-Furness, England, K. Watson, Clarkston, Scotland, and G. W. Bone, Skellingthorpe, assignors to Power Jets (Research & Development) Limited, London, England. Rotor assembly. 2,516,066, July 18.

McLeod, William B., Burbank, Calif. Muffler with fluid mingling and side branch chambers. 2,511,359, June 13.

McLoad, Kenneth W., Dallas, Tex. Piezoelectric transducer. 2,506,608, May 9.

McLoud, Elbert S.: *See*—
Johnson, Herbert F., and McLoud.

McLoughlin, Arthur J., Elmhurst, N. Y. Portable shovel. 2,520,606, Aug. 29.

McLoughlin, George F., Jr., Troy, N. Y. Skirt support for corpses. 2,504,210, Apr. 18.

McLouth, Donald B., Bloomfield Hills, M. A. Neff, Birmingham, and W. P. Haboush, assignors to Wirecorder Corporation, Detroit, Mich. Magnetic wire sound recording and reproducing apparatus. 2,501,573, Mar. 21.

McLuckie, George L.: *See*—
Elvin, William J., and McLuckie.

McMahan, Arthur B., assignee: *See*—
Dickerson, Delbert J.

McMahan, Kenton D., Schenectady, N. Y., assignor to General Electric Company. Lubricating arrangement for high-speed shafts. 2,535,689, Dec. 26.

McMahan, Kenton D., Scotia, N. Y., assignor to General Electric Company. Air nozzle and porting for combustion chamber liners. 2,510,645, June 6.

McMahon, Alexander F., Oak Park, assignor to The Bastian, Blessing Company, Chicago, Ill. Refrigerator having an air pump circuit. 2,518,242, Aug. 8.

McMahon, Alexander F., Oak Park, assignor to The Bastian-Blessing Company, Chicago, Ill. Carbonator control. 2,521,472, Sept. 5.

McMahon, Everett K., South Norwalk, Conn., and P. W. Schultz, Leonia, N. J., assignors to Induction Heating Corp., New York, N. Y. Method and apparatus for treating materials dielectrically. 2,494,716, Jan. 17.

McMahon, Howard O., Lexington, assignor, by mesne assignments, to Arthur D. Little, Inc., Cambridge, Mass. Differential boiler. 2,494,304, Jan. 10.

McMahon, Jerome B., Wilmette, and T. A. Abbott, La Grange, Ill., assignors, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission. Valve control mechanism. 2,533,491, Dec. 12.

McMahon, Michael, Southgate, Calif. Vehicle signal actuating means. 2,506,374, May 2.
McMahon, William, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Polarimetric method and means of determining the degree of alignment of fibers. 2,509,068, May 23.
McManis, Charles W., Kansas City, Kans. Organ pipe assembly. 2,535,645, Dec. 26.
McManus, Albert E., Los Angeles, Calif. Sliding vane rotary pump. 2,521,592, Sept. 5.
McNutt, Merle V., Grove City, Pa. Auxiliary brake means for vehicles. 2,521,593, Sept. 5.
McMaster, Archie J.: *See*—
Kitto, William H., and McMaster.
McMaster, Edward, Sandwich, Ill. Crankshaft balancer. 2,494,569, Jan. 17.
McMaster, Harold A., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Electrically conducting multiple panel structure. 2,497,507, Feb. 14.
McMeekin, Thomas L., Glenside, and T. S. Reid, R. C. Warner, and R. W. Jackson, Philadelphia, Pa., assignors to the United States of America as represented by the Secretary of Agriculture. Production of artificial bristles and the like from proteins. 2,521,738, Sept. 12.
McMellon, Edward, North Harrow, England. Toy horse. 2,501,531, Mar. 21.
McMillan, Andrew, Milwaukee, G. K. Viall, Shorewood, A. E. Miller, Whitefish Bay, and G. D. Carter, assignors to Chain Belt Company, Milwaukee, Wis. Control for concrete mixers and the like. 2,519,391, Aug. 22.
McMillan, Donald, Euclid, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of veratraldehyde from vanillin. 2,496,803, Feb. 7.
McMillan, Edward B., Boston, and H. J. Riblet, Cambridge, Mass., assignors, by mesne assignments, to the United States of America, as represented by the Secretary of War. Antenna housing. 2,501,072, Mar. 21.
McMillan, Frank M., Berkeley, and H. J. Sommer, Lafayette, assignors to Shell Development Company, San Francisco, Calif. Composition of asphalt and a butadiene-acrylonitrile copolymer. 2,509,777, May 30.
McMillan, Frank M., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Crack-resistant vulcanized rubber and its production. 2,514,661, July 11.
McMillan, Graham W., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Solvent extraction of penicillin culture liquors. 2,509,010, May 23.
McMillan, Graham W., and F. J. Rudert, assignors to Commercial Solvents Corporation, Terre Haute, Ind. Recovery of labile biological materials. 2,523,442, Sept. 26.
McMillan, Harold, assignor to Cohoes Envelope Company, Inc., Cohoes, N. Y. Carrying device. 2,500,848, Mar. 14.
McMillan, Howard M.: *See*—
Perry, Charles S., McMillan, Herring, and Bauknight.
McMillan, John L., Springfield, assignor to Templeton, Kenly & Co., Chicago, Ill. Track shifting device. 2,498,046, Feb. 21.
McMillan, Sherman A., San Francisco, Calif. Electrical circuits for motor vehicles. 2,502,580, Apr. 4.
McMillan, Thomas G., Rochester, N. Y. Support for shower heads and curtains. 2,504,561, Apr. 18.
McMillan, William R., Library, assignor to Mine Safety Appliances Company, Pittsburgh, Pa. Apparatus for treating skin diseases. 2,493,155, Jan. 3.
McMorris, Helen C., administratrix: *See*—
McMorris, John.
McMorris, John, deceased, late of Pasadena, Calif., by Helen C. McMorris, administratrix, Pasadena, Calif., assignor to the United States of America as represented by the Secretary of War. Partial burning apparatus. 2,493,725. Jan. 3.
McMorrow, Francis J.: *See*—
Benson, Albin N., McMorrow, Septfonds, and Blankenstein.
McMullen, Cletus C., Havertown, assignor to Beaumont Birch Company, Philadelphia, Pa. Drag scraper equipment. 2,495,197, Jan. 17.
McMullen, John, Buffalo, N. Y. Journal bearing structure. 2,525,613, Oct. 10.
McMullen, John C.: *See*—
Benner, Raymond C., and McMullen.
McMullen, Robert L., Oakland, Calif., and K. C. Gordon, Seattle, Wash., said Gordon assignor to said McMullen. Flying toy and launching means therefor. 2,511,360, June 13.
McMurray, Lynn L., Asheville, N. C., and S. P. Moyer, Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Selective separation by flotation of phosphatic titanium-oxide mixtures. 2,525,146, Oct. 10.
McMurray, Ray H., Oakland, Calif. Thread-cutting seam opener. 2,514,662, July 11.
McMurray, Walter E., assignor to Clearfield Machine Company, Clearfield, Pa. Combined scraper and emptier mechanism for wet pan mixing machines. 2,518,428, Aug. 8.
McMurtrie, Dallas W., Veedersburg, Ind. Trailer. 2,505,421, Apr. 25.
McMurtry, Welburn T., San Diego, Calif. Change holder. 2,497,365, Feb. 14.
McNab, John G.: *See*—
Rogers, Dilworth T., and McNab.
McNab, John G., Cranford, N. J., and W. T. Watkins, Jr., Norfolk, Va., assignors to Standard Oil Development Company. Heavy metal salts of alkyl phenol sulfides and method of making same. 2,493,986, Jan. 10.
McNair, Eric P., Mattoon, assignor of one-third to W. L. Benedict and K. Swartwood, Danville, Ill. Implement hitch. 2,507,799, May 16.
McNair, Eric P., Mattoon, Ill. Hand corn cutter. 2,511,933, June 20.
McNair, Hugh N., Short Hills, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Fire fighting apparatus. 2,505,055, Apr. 25.
McNairy, Jacob W.: *See*—
Woodson, Thomas T., and McNairy.
McNall, Fredlee M., Olean, N. Y., assignor to Clark Bros. Co., Inc. Limited oxidation of saturated aliphatic hydrocarbons with formation of aldehydic compounds. 2,532,930, Dec. 5.
McNall, John W., East Orange, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Magnetron. 2,498,763. Feb. 28.
McNally, Irvin L., United States Navy. Repeater indicator. 2,522,528, Sept. 19.
McNally, James G.: *See*—
Dickey, Joseph B., and McNally.
McNamar Boiler & Tank Company, Inc., assignee: *See*—
Branson, Raymond J.
McNamara, William W., Union, assignor to Pulverizing Machinery Company, Summit, N. J. Drive mechanism for cleaning-air tubes in self-cleaning filters. 2,513,420, July 4.
McNamee, James J.: *See*—
King, John W., and McNamee.
McNamee, Owen A., Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey. Adjustable preforming head. 2,497,178, Feb. 14.
McNaney, Joseph T., Baltimore, assignor to Bendix Aviation Corporation, Towson, Md. Remote control and indicating system. 2,496,485, Feb. 7.
McNaney, Joseph T., Baltimore, Md., assignor to Bendix Aviation Corporation, South Bend, Ind. Follow-up system stabilizing circuit. 2,518,161, Aug. 8.
McNear, Walter S., assignee: *See*—
Thompson, James E.
McNeely, Lowell, Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Refrigeration. 2,494,978, Jan. 17.
McNeely, William H.: *See*—
Steiner, Arnold B., and McNeely.
McNees, Sterling G., Woods Hole, Mass., assignor to the United States of America as represented by the Secretary of War. Parasitic suppressor for cavity resonator devices. 2,516,522, July 25.
McNeil, Gordon L., Detroit, Mich. Folding device for tape dispensers. 2,526,494, Oct. 17.
McNeil Machine and Engineering Company, The, assignee: *See*—
Soderquist, Leslie E.
McNeill, David C., Jr., Rockingham, N. C. Fountain brush. 2,521,929, Sept. 12.
McNeill, George K., Detroit, Mich., assignor to United States Rubber Company, New York, N. Y. Making pneumatic tires. 2,497,226, Feb. 14.
McNerney, Robert P., Sharpsville, assignor of one-half to C. J. Songer, Farrell, Pa. Fast acting stop signal. 2,508,961, May 23.
McNish, Alvin G., Chevy Chase, Md., and B. Tuckerman, Yellow Springs, Ohio, assignors to the United States of America as represented by the Secretary of War. Odograph. 2,533,029, Dec. 5.
McNiven, James A., New York, N. Y. Mine communication system. 2,499,195, Feb. 28.
McNulty, George M., Union, and E. B. Cyphers, Cranford, N. J., assignors to Standard Oil Development Company. Extreme pressure lubricants. 2,511,731, June 13.
McNulty, John V., Binghamton, assignor to Bendix Aviation Corporation, New York, N. Y. Ignition system. 2,519,776, Aug. 22.
McNutt, Edwin T., Jr., Darlington, Md. Trouser hanger. 2,494,400, Jan. 10.
McPartlin, William D., Detroit, Mich. Trig-meter. 2,521,930, Sept. 12.
McPeak, Gordon W.: *See*—
Sleeper, George E., Jr., and McPeak.
McPeck, James W., Hereford, Ariz. Draft gear for push cars. 2,512,110, June 20.
McPhaul, George G., Fort Worth, Tex. Alternately operated changeable sign. 2,510,409, June 6.
McPhee, Alexander H., Brooklyn, and D. B. Johnston, Mamaroneck, N. Y. Control for flash-welding machines. 2,509,606, May 30.
McPhee, James W., Los Angeles, Calif. Sectional pencil. 2,493,892, Jan. 10.
McPhee, John E.: *See*—
Herts, Jack H. B., and McPhee.
McPhee, John E., and J. H. B. Herts, assignors to John Widdicomb Company, Grand Rapids, Mich. Work holder. 2,519,685, Aug. 22.
McPhee, Warren D., Castleton-on-Hudson, assignor, by mesne assignments, to Winthrop-Stearns Inc., New York, N. Y. Beta-substituted alpha, beta-diphenylethylamines and the preparation thereof. 2,503,285, Apr. 11.

McPhee, Warren D., Castelton on Hudson, assignor, by mesne assignments, to Winthrop-Stearns Inc., New York, N. Y. Hydroxylated alpha, beta-diphenyl-beta-hydroxy-ethylamines and the preparation thereof. 2,505,645, Apr. 25.

McPherson, Charles J. T., Cleveland, Ohio. Gravity feed wickless fuel oil fired heater. 2,514,891, July 11.

McPherson, Donald W., Huntington Park, Calif. Carton. 2,521,989, Sept. 12.

McPherson, Floyd O., Ridgeway, Wis., and C. G. Gunderson, Frost, Minn.; said Gunderson assignor to said McPherson. Key case. 2,517,500, Aug. 1.

McPherson, James F.: *See*—
Mozingo, Ralph, McPherson, and Folkers.

McPherson, John A., assignor to Mosinee Paper Mills Company, Mosinee, Wis. Foam separator. 2,508,528, May 23.

McPherson, Robert L., Arlington, Va. Self-clinching fastener. 2,502,267, Mar. 28.

McPherson, Robert M., San Leandro, Calif., assignor to Continental Can Company, Inc., New York, N. Y. Timing device for feeding articles from multiple to single rows. 2,535,859, Dec. 26.

McQuaid, George R.: *See*—
McQuaid, William W., and G. R.

McQuaid, Harry W., Shaker Heights, assignor to Republic Steel Corporation, Cleveland, Ohio. Reducing the carbon content of steel. 2,523,475, Sept. 26.

McQuaid, Ora C., assignee: *See*—
McQuaid, William W., and G. R.

McQuaid, William W., Cairo, W. Va., and G. R. McQuaid, assignors of one-third to Ora C. McQuaid, Fairfield, Ohio. Rail. 2,511,361, June 13.

McQuay-Norris Manufacturing Company, assignee: *See*—
Mayfield, George C.
Mummer, Arden J.
Persons, Lawrence M.
Ross, Daniel A.

McQueen, David M., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Aryl azo methine sulfonic acids. 2,507,114, May 9.

McQueen, David M., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymeric color formers. 2,513,190, June 27.

McQuire, Clarence V., Grosse Pointe, Mich. Pneumatic cellular structure. 2,503,164, Apr. 4.

McRae, Edwin C., Dearborn, Mich. Vehicle transmission. 2,514,963, July 11.

McRae, Fred W., Los Angeles, Calif. Valve. 2,525,928, Oct. 17.

McRae, Homer C., assignor to The North American Manufacturing Company, Cleveland, Ohio. Furnace controller for available heat. 2,499,964, Mar. 7.

McShane, Charles L.: *See*—
Glass, Marvin I., and McShane.

McShea, Royal M., Wichita, Kans. Apparatus for altering the temperature of granular material. 2,519,148, Aug. 15.

McSkimin, Herbert J., Basking Ridge, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Compression wave transmission. 2,505,364, Apr. 25.

McSparran, William F., Jr., Kennett Square, Pa. Parking brake actuator and control. 2,495,979, Jan. 31.

McSweeney, James J.: *See*—
Barber, Oddous R., and McSweeney.

McTammany, Elizabeth L., Spartanburg, S. C. Doll dress. 2,534,827, Dec. 19.

McVarish, Eugene C., Brooklyn, N. Y. Curtain stretcher roller. 2,514,663, July 11.

McVay, Raymon, Denison, Tex. Fishing tackle. 2,498,815, Feb. 28.

McVay, Roy F., Chicago, Ill. Handle. 2,528,239, Oct. 31.

McVeigh, William B., and R. H. Baines, Spondon, near Derby, England, assignors to Celanese Corporation of America. Friction grip. 2,496,402, Feb. 7.

McVey, Dan, Bayles, Calif. Drain plug and latch therefor. 2,510,410, June 6.

McVicker, Graham D., San Diego, Calif. Variable position bed. 2,520,849, Aug. 29.

McWane, Arthur T., Birmingham, Ala. Telephone auxiliary amplifying device. 2,501,955, Mar. 28.

McWane Cast Iron Pipe Company, assignee: *See*—
Floyd, Henry G.

McWethy, Charles E.: *See*—
McWethy, Dorothy A. and C. E.

McWethy, Dorothy A. and C. E., Miami, Fla. Holder and carrier for twin pails. 2,519,149, Aug. 15.

McWhirter, Eric M. S., R. H. Dunn, and P. W. Lennox, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Telegraph receiver. 2,498,695, Feb. 28.

McWhirter, Eric M. S., R. H. Dunn, and P. W. Lennox, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Electric signaling system. 2,504,999, Apr. 25.

McWhirter, William C., Wilkinsburg, assignor to The Union Switch and Signal Company, Swissvale, Pa. Railway switch lock. 2,500,616, Mar. 14.

McWhorter, C. J., assignee: *See*—
Smith, Louie F.

McWhorter, John F., Cleveland Heights, and M. J. Rentschler, assignors, by mesne assignments, to The Ohio Rubber Company, Willoughby, Ohio. Extruding nonplastic materials. 2,517,799, Aug. 8.

McWhorter, Marie W., Charlotte, N. C. Garment hanger. 2,527,642, Oct. 31.

McWhorter, Purnal L., Odessa, assignor to Haveg Corporation, Newark, Del. Making a furfuryl alcohol resinous product. 2,499,275, Feb. 28.

Meacham, Edward M.: *See*—
Moecker, Henry, Jr., Frick, Meacham and White.

Meacham, Floran L., River Forest, and J. H. Greenberg, Chicago, assignors to Chicago Vitreous Enamel Product Co., Cicero, Ill. Smelter and smelting frit. 2,527,144, Oct. 24.

Meacham, Larned A., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Pulse producing apparatus. 2,534,872, Dec. 19.

Mead, Benjamin S., Oakland, Iowa. Fish stringer. 2,506,839, May 9.

Mead, Edward D.: *See*—
Atkins, George E., and Mead.

Mead, Edward S., assignee: *See*—
Seifriz, William, and McCue.

Mead, Elmer J., Pittsburgh, Pa. Antitheft switch apparatus. 2,535,366, Dec. 26.

Mead, George A., assignor to The Ohio Brass Company, Mansfield, Ohio. Outlet connector head. 2,535,150, Dec. 26.

Mead, Harold G., Bronxville, N. Y., assignor to Leeds and Northrup Company, Philadelphia, Pa. Immersion unit for radiation pyrometers. 2,493,078, Jan. 3.

Mead, Howard C.: *See*—
Roedding, Gordon E., and Mead.

Mead, James F.: *See*—
Koepfli, Joseph B., Mead and Brockman, Jr.

Mead, John A., Fairlawn, assignor to Bendix Aviation Corporation, Teterboro, N. J. Gyro erection system. 2,505,686, Apr. 25.

Mead, Lawrence C., Turlock, Calif. Wrench type pliers. 2,519,973, Aug. 22.

Mead, Lawrence C., Turlock, Calif. Lever and cam operating means for releasing locking pliers from locked position. 2,523,385, Sept. 26.

Mead, Milton S., Jr., U. S. Army, Schenectady, N. Y. Crystal-controlled means for stabilizing frequency of oscillator circuit. 2,496,300, Feb. 7.

Mead, Ralph K., Glendale, and R. T. Alexander, La Canada, assignors to Lockheed Aircraft Corporation, Burbank, Calif. Cable seal. 2,517,693, Aug. 8.

Mead, Richard R.: *See*—
Frolander, Frank C., and Mead.

Mead Specialties Company, assignee: *See*—
Mead, Theodore E.

Mead, Theodore E., Wilmette, Ill., assignor to Mead Specialties Company, Inc. Valve structure. 2,505,333, Apr. 25.

Mead, Theodore E., Wilmette, Ill. Fluid-driven impact mechanism. 2,535,588, Dec. 26.

Mead, Warren J., Belmont, Mass. Making impressions of objects. 2,499,324, Feb. 28.

Mead, Warren J., Belmont, Mass., assignor to Reynolds Metals Co., Richmond, Va. Quick-freeze, quick-thaw device for foodstuffs. 2,507,862, May 16.

Mead, William H., Oakland, Calif. Surface treating method and apparatus. Re. 23,186, Jan. 3.

Mead, William H., Oakland, Calif. Grit feed valve. 2,521,931, Sept. 12.

Mead, William H., Oakland, and A. C. Buchan, San Francisco, Calif., assignors, by mesne assignments, to said Mead. Surface treating apparatus. 2,494,773, Jan. 17.

Meade, John T., New York, N. Y. Multiple telephone station call indicator and selective answering switch unit. 2,515,883, July 18.

Meade, Joseph F., assignor to Mercury Aircraft Incorporated, Hammondsport, N. Y. Levelizing resilient mounting of vehicle bodies to chassis frames. 2,505,294, Apr. 25.

Meador, Duis W.: *See*—
Wiegand, Francis J., and Meador.

Meador, Robert H., Jr., assignor to Wingfoot Corporation, Akron, Ohio. Friction mechanism with clearance adjuster. 2,531,341, Nov. 21.

Meadow, Jacob R., Lexington, Ky., and A. A. O'Kelly, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Copolymerization of thiophene with styrene. 2,496,669, Feb. 7.

Meadow, Jacob R., Lexington, Ky., and A. A. O'Kelly, Woodbury, N. J., assignors to Socony Vacuum Oil Company, Incorporated. Preheated charge in hydrogen fluoride alkylation. 2,502,333, Mar. 28.

Meadowcroft, Arthur E., C. Shaw, and W. E. Smith, London, England. Manufacture of organo silicon compounds by the Grignard reaction. 2,521,390, Sept. 5.

Meagher, Joseph H., Rochester, N. Y. Window provision box. 2,497,463, Feb. 14.

Meagher, Ralph E.: *See*—
Sherwin, Chalmers W., and Meagher.

Meagher, William D., Villa Park, assignor to Arterest Manufacturing Corporation, Chicago, Ill. Kitchen cabinet ensemble structure. 2,501,781, Mar. 28.

Meaker, John W., New York, N. Y. Apparatus for perforating sheet material. 2,495,534, Jan. 24.

Meakin, Lawrence W., Yeadon, Pa. Connector for fluid or electrical lines or both. 2,510,125, June 6.
Mealey, Raymond L., Watervliet, N. Y. Tool setting gauge. 2,513,345, July 4.
Meaney, Juan M., Monclova, Mex. Detachable rock drill bit with replaceable cutters. 2,494,188, Jan. 10.
Meanor, Harry S.: *See*—
Broome, Arley G., and Meanor.
Means, Eldon A., Wichita, Kans. Production of colored flames. 2,504,211, Apr. 18.
Means, Ralph P., Jr., Saginaw, assignor to General Motors Corporation, Detroit, Mich. Ball nut and screw assembly. 2,505,131, Apr. 25.
Meany, Vincent J., Passaic, N. J., assignor of one-fourth to T. Winrock, Staten Island, N. Y., one-fourth to E. Cooper, Hasbrouck Heights, and one-fourth to E. Torsney, Newark, N. J. Cam-making lathe attachment. 2,520,607, Aug. 29.
Mearns, Herbert A., and J. G. Nelson, Elkins, W. Va. Spring shackle tool. 2,494,252, Jan. 10.
Measurements Corporation, assignee: *See*—
Castner, William A.
Meath Manufacturing Company, assignee: *See*—
Meath, Paul L.
Meath, Paul L., assignor to Meath Manufacturing Company, Houston, Tex. Vulcanizing machine. 2,506,375, May 2.
Mecca, Sebastian B., Fox Chase Manor, assignor to Schuylkill Chemical Company, Philadelphia, Pa. Composition for the treatment of plants and using same. 2,534,787, Dec. 19.
Mec-Elec Engineering Co., assignee: *See*—
Graham, Harold J.
Mech, Louis, assignee: *See*—
Kauffman, John P.
Mecham, Dale K.: *See*—
Jones, Chase B., and Mecham.
Mecham, Dale K., Richmond, Calif., assignor to the United States of America as represented by the Secretary of Agriculture. Salts of phosvitin from egg yolk and producing the same. 2,526,680, Oct. 24.
Mechanical Handling Systems, Inc., assignee: *See*—
Mullen, Edward, and Boyko.
Mechanical Products, Inc., assignee: *See*—
Ingwersen, Richard C.
Mechano Gear Shift Company, assignee: *See*—
Kenyon, Bertrand F.
Mechling, Monroe J., Greensburg, Pa. Mine timber. 2,510,593, June 6.
Mechur, Berthold: *See*—
Riedler, Walter, and Mechur.
Mecklenburg, Edmund R., assignee: *See*—
Bradley, Robert J.
Meckoski, Walter J., and J. Snyder, Chicago, Ill., said Snyder assignor to said Meckoski. Universal machine tool. 2,501,134, Mar. 21.
Meco, Inc., assignee: *See*—
Monnett, Phillip.
Medbery, Edward W., Arlington Heights, assignor to Marshall Field & Company, Chicago, Ill. Reciprocating feed mechanism. 2,523,224, Sept. 19.
Meddock, Alvin A.: *See*—
Deardorff, Clinton E., and Meddock.
Meder, Arthur, Carlstadt, N. J., assignor to Celanese Corporation of America. Reversing mechanism. 2,525,929, Oct. 17.
Medert, Adrian, assignee: *See*—
Bolesky, John D.
Medford, Kenneth, assignee: *See*—
Peterson, Jack W.
Medford, Rolland E., assignor to The Johnson Rubber Company, Middlefield, Ohio. Joining hollow members. 2,503,882, Apr. 11.
Medina Business Estate, assignee: *See*—
Blandford, Herbert S.
Medlar, Lewis A., Oreland, assignor, by mesne assignments, to Sterlingworth Company, Philadelphia, Pa. Safety device for thermally controlled battery chargers. 2,499,663, Mar. 7.
Medlar, Lewis A., Oreland, assignor to Fox Products Company, Philadelphia, Pa. Thermally responsive impedance unit. 2,526,251, Oct. 17.
Medlar, Lewis A., Oreland, and J. B. Godshalk, assignors, by mesne assignments, to Sterlingworth Company, Philadelphia, Pa. Maximum temperature cutoff system for battery chargers. 2,529,038, Nov. 7.
Medley, Harry B.: *See*—
Kittler, Milton J., and Medley.
Medley, Robert L., Detroit, Mich. Vaginal syringe. 2,507,214, May 9.
Medof, Benjamin M., Minneapolis, Minn. Dental implement. 2,522,794, Sept. 19.
Medoff, Louis I., Cambridge, Mass. Diaper. 2,532,029, Nov. 28.
Medvetz, Edward, Carteret, assignor to Breeze Corporations, Inc., Newark, N. J. Ignition shield disconnect. 2,494,666, Jan. 17.
Medwin, Hyman, New York, N. Y. Combination cabinet and extensible table. 2,535,646, Dec. 26.
Meech, Frank B.: *See*—
Hearn, James W. E., and Meech.
Meehan, Donald E., Stockton, Calif. Barrel stand. 2,509,240, May 30.
Meehan, John P., San Gabriel, Calif. Folding chair. 2,493,682, Jan. 3.
Meehanite Metal Corporation, assignee: *See*—
Kerlin, William W.
Moore, William H.
Meeker Company, Inc., The, assignee: *See*—
Elliff, Orla S.
Meeker, Robert E., South Charleston, W. V., and H. J. E. Segrave, Washington, D. C., assignors to United States Rubber Company, New York, N. Y. Incorporation of clay filler into synthetic rubber. 2,497,464, Feb. 14.
Meeker, Willard F.: *See*—
Slaymaker, Frank H., and Meeker.
Meem, James L., Jr.: *See*—
Gerrish, Harold C., and Meem, Jr.
Meents, Adolf J., Newell, Iowa. Trailer hitch. 2,521,391, Sept. 5.
Meers, Edwina, executrix: *See*—
Meers, Otto.
Meers, Otto, deceased, New York, N. Y., E. Meers, executrix of said O. Meers. Tray carrier. 2,510,646, June 6.
Meese, Derald E., assignor of twenty-five per cent to J. W. Duprie, twenty-five per cent to E. H. Gendron, and twenty-five per cent to J. J. Eiben, Spokane, Wash. Pipe coupling. 2,534,723, Dec. 19.
Meesook, Boonyium, Hudson Falls, N. Y. Nail clippers. 2,507,345, May 9.
Mefferd, Paul S., Laurens, Iowa. Hydraulic tractor loader attachment. 2,501,231, Mar. 21.
Meffley, Charles F., assignee: *See*—
Haglund, Vern N., and Grenfell.
Mefina S. A. Binningen, assignee: *See*—
Robert, Ramon C.
Megar, David, New York, N. Y. Wrist bracelet. 2,518,163, Aug. 8.
Megginson, George D., Thomasville, Ala. Turkey caller. 2,527,756, Oct. 31.
Meggs, Ross S., Dallas, Tex. Man's nether garment. 2,493,822, Jan. 10.
Mehan, Thomas O., Park Ridge, and H. E. Hooe, Chicago, Ill., assignors to Victor Adding Machine Co. Calculating machine and remote control mechanism therefor. 2,497,784, Feb. 14.
Mehlretter, Charles L. and W. Dvonch, Peoria, Ill., assignors to the United States of America as represented by the Secretary of Agriculture. Electrolytic preparation of calcium D-arabonate. 2,502,472, Apr. 4.
Mehnert, Eugene A.: *See*—
Jewett, Charles S., Loos, and Mehnert.
Mehring, Arthur C., East Orange, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Three-phase product-responsive relay. 2,501,346, Mar. 21.
Mehrlich, Ferdinand P., assignor to Hawaiian Pineapple Company, Limited, Honolulu, Territory of Hawaii. Pineapple plant culture. 2,527,499, Oct. 24.
Meidema, Gerben, assignee: *See*—
Havlick, Jesse L.
Meier, Adolf J., Washington, R. I. Tray attachment for card tables. 2,512,958, June 27.
Meier, Anton M.: *See*—
Mueller, William G., Klause, and Meier.
Meier, Edwin H., Tulsa, Okla., assignor to General Electric company. Wave guide mode converter. 2,526,383, Oct. 17.
Meier, Frederic, Chicago, Ill., assignor to Carnegie-Illinois Steel Corporation. Coupling. 2,511,284, June 13.
Meier, Frederic, Chicago, Ill., and C. H. Rittenhouse, Hobart, Ind., assignors to Carnegie-Illinois Steel Corporation. Combination coupler. 2,498,764, Feb. 28.
Meier, Gustav, West New Brighton, N. Y. Propeller blades. 2,498,170, Feb. 21.
Meier, Gustav, West New Brighton, N. Y. Ship hull construction. 2,520,645, Aug. 29.
Meier, Heinrich, assignor to Zellweger A. G., Apparate-und Maschinenfabriken Uster, Uster, Switzerland. Dividing of warp stop motion blades from a series of blades. 2,512,165, June 20.
Meier, Heinrich, assignor to Zellweger A. A., Apparate-und Maschinenfabriken Uster, Uster, Switzerland. Apparatus for mounting warp-stop detectors in looms. 2,527,755, Oct. 31.
Meier, Richard L.: *See*—
Brooke, Lloyd F., Elwell, and Meier.
Meier, Rolf, and K. Bucher, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J. Producing antisera of high titre. 2,526,961, Oct. 24.
Meierjohan, Ernest, Cincinnati, Ohio. Fishing rod handle. 2,495,980, Jan. 31.
Meigs, Return J., Westfield, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Electrosensitive stencil blank. 2,500,617, Mar. 14.
Meiklejohn, Thomas W., Jr., Fond du Lac, and S. J. Wittman, Oshkosh, Wis. Wheel suspension. 2,534,722, Dec. 19.
Meiler, John G., and K. B. Bollerslev, assignors to Plywood Research Foundation, Tacoma, Wash. Sulfur containing molding compositions, sulfur containing consolidated products, and making the same. 2,505,782, May 2.
Meincke, Edward, Scotch Plains, N. J., assignor to The Linde Air Products Company. Blowpipe apparatus. 2,534,363, Dec. 19.

Meincke, Edward, Summit, N. J., assignor to The Linde Air Products Company. Powder assisted thermochemical severing of reentrant sections of metal. 2,511,410, June 13.

Meincke, Edward, Summit, N. J., assignor to The Linde Air Products Company. Powder dispenser. 2,524,919, Oct. 10.

Meincke, Edward, Summit, N. J., assignor to The Linde Air Products Company. Automatic scarfing machine. 2,528,770, Nov. 7.

Meincke, Henry H., Howey in the Hills, Fla. Device for packing fruit. 2,511,285, June 13.

Meincke, Henry H., Howey-in-the-Hills, Fla. Fertilizer distributor. 2,526,081, Oct. 17.

Meinerding, Wesley C., Canton, Ohio. Doughnut handling and turning apparatus. 2,514,348, July 4.

Meinert, Richard N., Westfield, and H. G. Vesterdal, Elizabeth, N. J., assignors to Standard Oil Development Company. Maintaining catalyst activity in a dehydrogenation process. 2,518,354, Aug. 8.

Meinhardt, Maude E., Los Angeles, Calif. Parallel material flow type jaw crusher with lubricating means within the jaw. 2,505,132, Apr. 25.

Meinhardt, Walter T., assignee: *See*—
Zempel, Edward A.

Meinhart, Wilbur L.: *See*—
Ziegler, Nicholas A., Meinhart, and Goldsmith.

Meinzer, Arthur E., Chicago, Ill. Molten slag granulator apparatus. 2,499,600, Mar. 7.

Meisel, Murray A.: *See*—
Secofsky, Abraham, and Meisel.

Meisel, Seymour L.: *See*—
Hartough, Howard D., and Meisel.

Meiser, Lester D., Bucyrus, Ohio. Testing device for wringers. 2,528,382, Oct. 31.

Meisler, Joseph: *See*—
Goldspiel, Solomon, and Meisler.

Meisler, Sidney S., New York, N. Y. Dust collector. 2,493,156, Jan. 3.

Meisner, Leo E., Raymond, Ill. Pump. 2,497,179, Feb. 14.

Meissner, Charles, San Diego, Calif. Flatfish filleting machine. 2,497,554, Feb. 14.

Meissner, John F., La Grange, Ill., assignor to Bradley Transportation Company, Rogers City, Mich. Hopper control gate for ship unloaders. 2,505,982, May 2.

Meister, Leo T., Bradley Beach, N. J. Apparatus for testing centrifugally actuated elements. 2,528,534, Nov. 7.

Meister, Leo T., Hillside, N. J. Fuse for bombs. 2,520,949, Sept. 5.

Meister, Leo T., Hillside, N. J. Fuse for bombs. 2,521,739, Sept. 12.

Meister, Leo T., Irvington, N. J. Primer and manufacture. 2,516,898, Aug. 1.

Meitzler, Donald E., Manchester, assignor to United Aircraft Corporation, East Hartford, Conn. Fuel injection device. 2,496,804, Feb. 7.

Meitzler, Donald E., Manchester, assignor to United Aircraft Corporation, East Hartford, Conn. Starting series of compressors. 2,496,805, Feb. 7.

Meitzler, Donald E., Manchester, assignor to United Aircraft Corporation, East Hartford, Conn. Fuel injection system. 2,501,073, Mar. 21.

Meitzler, Donald E., Manchester, assignor to United Aircraft Corporation, East Hartford, Conn. Fuel pump. 2,501,074, Mar. 21.

Meitzler, Donald E., Manchester, assignor to United Aircraft Corporation, East Hartford, Conn. Pressure operated fuel quantity control. 2,523,386, Sept. 26.

Meitzner, Erich F., assignor to Rohm & Haas Company, Philadelphia, Pa. Polymethyl methacrylate molding powders. 2,517,127, Aug. 1.

Meixl, Carl, Orchard Park, assignor to Howard Iron Works, Inc., Buffalo, N. Y. Tube bundle assembly for heat exchangers and the like. 2,496,301, Feb. 7.

Mejlbo, Erik G., Charlottenlund, assignor to A/S Enico, Copenhagen, Denmark. Method in the preservation of preparations of lactobacillus acidophilus. 2,518,355, Aug. 8.

Mekelburg, Harold L: *See*—
Hunter, Richard B., and Mekelburg.

Mekelburg, Harold L., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Variable contour cam. 2,507,800, May 16.

Mekler, Lev A., assignor to Institute of Gas Technology, Chicago, Ill. Radiantly heated rotary carrier for destructive distillation. 2,533,492, Dec. 12.

Melberg, Ernest, Norway, Iowa. Three-way lock for toy ironing boards. 2,497,620, Feb. 14.

Melberg, Frederick T., Skokie, Ill. Belt punching device. 2,528,282, Oct. 31.

Melcher, Cleo E., Wichita, Kans. Coat hanger. 2,504,562, Apr. 18.

Melcher, John, Bellingham, and A. E. Dixon, Spokane, Wash. Demothing device. 2,510,126, June 6.

Melcher, Lee W., Oconomowoc, assignor to Waukesha Motor Company, Waukesha, Wis. Mounting structure and extension tracks for mechanical units. 2,497,785, Feb. 14.

Melcher, Reuben: *See*—
Taylor, Harry, Hunt, and Melcher.

Melchior, Effie B., assignee: *See*—
Melchior, Frederick C.

Melchior, Frederick C., assignor of one-half to E. B. Melchior, New York, N. Y. Valveless reciprocating pump. 2,502,334, Mar. 28.

Melchior, Hubert E.: *See*—
Merralls, Charles N., and Melchior.

Melchior, Wilhelm, and A. Kalina, Klagenfurt, Austria, assignors of twenty-five per cent to R. L. Rohrke, Sacramento, Calif. Beauty parlor equipment. 2,523,912, Sept. 26.

Melchor, Howard T., Albuquerque, N. Mex. Floor tile cutting apparatus. 2,531,149, Nov. 21.

Meldrum, Robert A., Alexandria, Va. Railway car construction. 2,519,320, Aug. 15.

Melegan, William E., Cleveland, and A. W. Eidman, South Euclid, assignors to Industrial Rayon Corporation, Cleveland, Ohio. Multiple disk type clutch. 2,533,194, Dec. 5.

Meleney, Frank L.: *See*—
Johnson, Balbina A., and Meleney.

Meletti, Adolph, assignor to Vacuum Cleaner Corporation of America, Philadelphia, Pa. Automatic brake for spring-tensioned take-up reels. 2,521,178, Sept. 5.

Meley, François, Saint-Martin en Coailleux, assignor to Compagnie des Forges et Acieries de la Marine et d'Homecourt, Paris, France. Apparatus for forging parts showing important variations in their cross section. 2,534,613, Dec. 19.

Meley, François, Saint-Martin-en-Coailleux, and A. Lemoine, assignors to Compagnie des Forges et Acieries de la Marine et d'Homecourt, Paris, France. Method for forging connecting rods. 2,502,737, Apr. 4.

Melichar, Joseph F., assignor to The Parker Appliance Company, Cleveland, Ohio. Valve assembly for fuel systems. 2,506,097, May 2.

Melichar, Joseph F., assignor to The Parker Appliance Company, Cleveland, Ohio. Valve indexing means for fuel systems. 2,506,098, May 2.

Melick, John M., Cresskill, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Selective signaling system. 2,506,429, May 2.

Melidoni, Constantine, Fort Lee, N. J. Cable adjuster. 2,497,007, Feb. 7.

Melidoni, Constantine, Fort Lee, N. J. Valve stem seal. 2,497,008, Feb. 7.

Melin, William, Grand Rapids, Mich. Rotary cutting tool grinding machine. 2,494,825, Jan. 17.

Melior, Ralph V., San Francisco, Calif. Train and rail aligner. 2,530,895, Nov. 21.

Mell, Clifford W., and E. C. Ballentine, Moorestown, N. J., and J. V. O'Neill, Willow Grove, Pa., assignors to Radio Corporation of America. Submarine signaling device covered with waterproof vibration damping shield. 2,496,060, Jan. 31.

Mellan, Ibert, assignor to Chicago Pharmacal Company, Chicago, Ill. Arsenic sulfathiazole chelate complex. 2,507,537, May 16.

Mellen, Alice M., assignee: *See*—
Mellen, William F.

Mellen, William F., assignor to A. M. Mellen, Whittier, Calif. Automatic power lift trip for two-way plows. 2,529,809, Nov. 14.

Meller, Reginald B., Oakland, Calif., assignor to Bemiss-Jason Company. Construction of containers. 2,528,900, Nov. 7.

Mellers, Eric V.: *See*—
Fallows, Leonard, and Mellers.

Mellert, Allen J., assignor, by mesne assignments, to Diversified Designing & Machine Products Corporation, Cleveland, Ohio. Yielding torque indicating tool. 2,512,032, June 20.

Mellert, Lawrence J., Atlanta, Ga. Lightproof rewind device. 2,505,783, May 2.

Mellick, Charles: *See*—
Kaplan, Julius F., and Mellick.

Mellinger, Edward R., and R. E. Mellinger, Williamsport, Pa. Syringe. 2,525,419, Oct. 10.

Mellinger, Paul B., assignee: *See*—
Lehman, James C. and M. E.

Mellinger, Ruth E.: *See*—
Mellinger, Edward R. and R. E.

Mellodge, Charles J., Baltimore, assignor to The Glenn L. Martin Company, Middle River, Md. Fastener handling device. 2,495,070, Jan. 17.

Mellon Institute of Industrial Research, assignee: *See*—
Hoak, Richard D.

Mellor, Bromley & Co. Limited, assignee: *See*—
Shortland, Arthur.

Mellor, Charles: *See*—
Gagliardi, Emilio A. J., Mellor and Hamm.

Melman, Israel J., Jamaica, N. Y., assignor to Radio Corporation of America. Wide band impedance matching network. 2,533,030, Dec. 5.

Melnick, Daniel, Flushing, assignor, by mesne assignments, to Duffy-Mott Company, Inc., New York, N. Y. Carotene derivative and preparing the same. 2,529,659, Nov. 14.

Melnick, Daniel, Kew Gardens Hills, assignor, by mesne assignments, to Astrol Products, Inc., New York, N. Y. Fortifying feeds. 2,496,634, Feb. 7.

Melnick, Irving E.: *See*—
Boyarsky, Irving, and Melnick.
Melnikoff, Zachary, assignee: *See*—
Becker, Henry.
Meloy, George E., assignor to United Aircraft Corporation, East Hartford, Conn. Hydraulic coupling bleed. 2,510,898, June 6.
Melpar, Inc., assignee: *See*—
Butts, Robert S.
Melsted, Valdemar J., Listerhill, Ala., assignor to Aluminium Laboratories Limited, Montreal, Quebec, Canada. Electric furnace for production of magnesium. 2,516,474, July 25.
Melton, Carl H., Indianapolis, Ind. Forced air flow oil burning air heating furnace with internal air chamber. 2,518,629, Aug. 15.
Meltzer, Henry E., assignor to All-Over Manufacturing Co., Racine, Wis. Cutterhead assembly for clippers. 2,527,193, Oct. 24.
Meltzer, Jack, New York, N. Y. Making slip-lasted shoes with a counter cover element. 2,493,497, Jan. 3.
Meltzer, Jack, New York, N. Y. Shoe construction. 2,495,590, Jan. 24.
Melvill, Gordon K.: *See*—
Popper, Otto, and Melvill.
Melvin, Byron C., Renton, Wash. Load binder. 2,500,259, Mar. 14.
Melvin, Francis F.: *See*—
Stevens, Joe O., and Melvin.
Melvin, William J., Jr., Tar Heel, N. C. Planting apparatus. 2,506,430, May 2.
Memorial Hospital, assignee: *See*—
Flagg, Charles N.
Menasco Manufacturing Company, assignee: *See*—
Fine, Leslie.
Fine, Leslie, and Ozanich.
Gerry, Julian E.
Wood, Wilbur G.
Menaul, Paul L., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Inhibiting corrosion in wells. 2,493,462, Jan. 3.
Mench, John W.: *See*—
Barkey, Kenneth T., and Mench.
Mench, John W., assignor to Eastman Kodak Company, Rochester, N. Y. Cellulose esters of sulfamic acids. 2,518,706, Aug. 15.
Mencke, George M., assignor to Permo Incorporated, Chicago, Ill. Phonograph needle. 2,499,196, Feb. 28.
Mencke, George M., assignor to Permo Incorporated, Chicago, Ill. Phonograph stylus. 2,501,872, Mar. 28.
Mende, William C., Rochelle Park, N. J., assignor to Ortho Pharmaceutical Corporation. Applicator. 2,509,241, May 30.
Mende, William C., Rochelle Park, N. J., assignor to Ortho Pharmaceutical Corporation. Single dose dispenser. 2,518,486, Aug. 15.
Mendel, Leo E., assignor to Cribben and Sexton Company, Chicago, Ill. Circulating air passage structure for ranges. 2,526,890, Oct. 24.
Mendelsohn, Irving: *See*—
Sollosy, Arthur, and Mendelsohn.
Mendelsohn, Samuel, Montclair, N. J. Removable battery case. 2,494,956, Jan. 17.
Mendelson, Daniel, Brooklyn, N. Y. Viewer and water sprayer. 2,513,506, July 4.
Mendelson, Louis H., Springfield, Ohio. Garment. 2,497,180, Feb. 14.
Mendenhall, Elwyn E., Pittsburgh, Pa., assignor to Economics Laboratory, Inc., St. Paul, Minn. Germicidal detergent composition. 2,510,510, June 6.
Mendenhall, Hallam E.: *See*—
Cheesman, Leonard E., and Mendenhall.
Mendenhall, Hallam E., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Secondary emitter. 2,526,574, Oct. 17.
Mendl, William, Larchmont, N. Y. Garment. 2,515,657, July 18.
Mendle, Alvin M., assignor, by mesne assignments, to Reconstruction Finance Corporation, St. Louis, Mo. Garment rack. 2,533,324, Dec. 12.
Mendoza, Mordecai, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Azo dyestuffs. 2,535,312, Dec. 26.
Meneley, Carl A., Princeton, N. J., assignor to Radio Corporation of America. Phasing apparatus. 2,493,921, Jan. 10.
Meng, Frederick H., Elyria, and J. D. Tyson, Lorain, Ohio, assignors to National Tube Company. Controlling deoxidation of steel and adding alloys thereto. 2,501,532, Mar. 21.
Menger, Francis B., Lancaster Township, Lancaster County, Pa. Electrical relay. 2,534,873, Dec. 19.
Menhennett, Gerald: *See*—
Ferrar, Robert C., and Menhennett.
Menin, Bruno: *See*—
Carlton, James L., and Menin.
Menke, Albert, assignee: *See*—
Menke, Paul T.
Menke, Edward W., Nutley, N. J., assignor to H. C. Hay, New York, N. Y. Method and apparatus for controlling the porosity of electrically perforated opaque sheet material. 2,528,157, Oct. 31.
Menke, Edward W., Nutley, N. J., assignor to H. C. Hay, New York, N. Y. Method and apparatus for controlling the porosity of electrically perforated sheet material. 2,528,158, Oct. 31.
Menke, Paul T., Monahans, Tex., assignor of one-half to A. Manke, Bostwick, Nebr. Gauge line holder and wiper. 2,504,563, Apr. 18.
Menkhaus, Walter P., Philadelphia, Pa. Electronic control for electrically operated devices. 2,496,486, Feb. 7.
Menkhaus, Walter P., Philadelphia, Pa. Electronic interrupter. 2,532,508, Dec. 5.
Mennesson, André, assignor to Societe Solex, S. A. R. L., Neuilly-sur-Seine, France. Overspeed prevention device for internal-combustion engines. 2,517,501, Aug. 1.
Mennesson, Marcel, assignor to Societe d'Appareils de Controle et d'Equipement des Moteurs (S. A. C. E. M.), Neuilly-sur-Seine, France. Frame for bicycles. 2,495,859, Jan. 31.
Mennesson, Marcel, Neuilly-sur-Seine, France, assignor to Societe d'Appareils de Controle et d'Equipment de Moteurs (S. A. C. E. M.). Machine tool. 2,525,364, Oct. 10.
Mennesson, Marcel, assignor to Societe Anonyme de Construction de Materiel Automobile (S. A. C. M. A.), Neuilly-sur-Seine, France. Pneumatic micrometry plug gauge. 2,529,170, Nov. 7.
Mennesson, Marcel L., Neuilly-sur-Seine, assignor to Societe Anonyme de Construction de Matériel Automobile (S. A. C. M. A.), Neuilly-sur-Seine, Seine, France. Apparatus for determining or checking the dimensions of a piece. 2,504,212, Apr. 18.
Mennesson, Marcel L., Neuilly-sur-Seine, France, assignor to Societe Solex. Carbureting device. 2,533,602, Dec. 12.
Menns, Everett S., Burlington, Iowa. Window construction. 2,500,849, Mar. 14.
Menrath, Walter, Milwaukee, Wis. Vehicle draft eliminator. 2,514,082, July 4.
Menschik, Irving J., and H. C. Kreinick, assignors to American Condenser Co., Chicago, Ill. Dry electrolytic condenser. 2,535,945, Dec. 26.
Menser, Henry E., Crofton, assignor of thirty-three and one-third per cent to C. Huddleston, St. Charles, Ky. Metal-cutting snears. 2,529,171, Nov. 7.
Mensforth, Thomas, assignor to John Brown & Company Limited, Westminster, London, England. Loading apparatus. 2,528,012, Oct. 31.
Mensman, Charles J., Washington, D. C. Mechanical movement. 2,530,715, Nov. 21.
Mentmore Manufacturing Company Limited, assignee: *See*—
Johnson, William F.
Mentzer, John R., State College, Pa., assignor, by mesne assignments, to The Pennsylvania Research Corporation. Multivoltage regulated power supply. 2,524,325, Oct. 3.
Mentzer, William C., Western Springs, and G. G. Anderson, assignors to United Air Lines, Inc., Chicago, Ill. Inertia responsive control device. 2,525,820, Oct. 17.
Menze, Frank G., Chicago, Ill. Counting attachment for scales. 2,524,202, Oct. 3.
Menzel, Paul R., Queens Village, N. Y., V. L. Ronci, Allentown, Pa., and R. L. Vance, Westfield, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Gaseous electronic discharge device. 2,508,529, May 23.
Menzer, Anton, Teaneck, and W. E. Naylor, Ridgefield Park, assignors to Bendix Aviation Corporation, Teterboro, N. J. Altimeter. 2,516,639, July 25.
Menzin, Abraham, New York, N. Y. Toy frame for stuffed toys. 2,496,951, Feb. 7.
Meohas, Isaac, Long Beach, Calif. Fish lure. 2,509,105, May 23.
Meoni, Angelo, assignor to Societe a responsabilite dite: Société Castex, Paris, France. Manufacturing resistors. 2,513,421, July 4.
Meopta, Consolidated Factories for Fine Mechanical and Optical Instruments, National Corporation, assignee: *See*—
Skopal, Jan.
Merboth, Warren J.: *See*—
Gongwer, Calvin A., and Merboth.
Mercer, Erwin R. and M. B., Eugene, Oreg. Boat trailer attachment. 2,515,564, July 18.
Mercer, Mary B.: *See*—
Mercer, Erwin R. and M. B.
Mercer Products Corporation, assignee: *See*—
McClure, Robert A.
Mercer, Raymond C., Los Angeles, Calif. Patching motion-picture film. 2,506,933, May 9.
Mercer, Raymond C., Los Angeles, Calif. Automatic focus adjusting means for cameras. 2,522,631, Sept. 19.
Mercer, Warren H., Anaheim, assignor of fifty per cent to I. H. and V. V. Harris, Huntington Park, Calif. Bottle handler having pivoted jaws. 2,516,785, July 25.
Mercer, William M., Los Angeles, Calif. Apparatus for determining initial boiling point of liquids. 2,499,105, Feb. 28.
Mercer, William R.: *See*—
Sanders, Royden C., Jr., and Mercer.
Merchant, Charles J., Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Monitoring system of comparator type. 2,493,543, Jan. 3.
Merchant & Evans Company, assignee: *See*—
Newlin, John S.

Merchant, George A., River Forest, assignor to Safeway Mining Machine Corporation, Chicago, Ill. Apparatus for mining coal or similar mineral. 2,531,072, Nov. 21.
Merchants Motor Freight, Inc., assignee: *See*—
Mueller, Ira.
Merchants National Bank and Trust Company of Syracuse, The, executor: *See*—
Clarke, Charles J.
Merchasin, Joe: *See*—
Franklin, Lester K., and Merchasin.
Mercier, Ernest, Paris, France, assignor, by mesne assignments, to Moore, Inc., Atlanta, Ga. Free piston engine compressor. 2,510,127, June 6.
Mercier, Ernest, Paris, France, assignor, by mesne assignments, to Moore, Inc., Atlanta Ga. Machine having free pistons and cylinders without mechanical connecting-rod-crank couplings. 2,526,384, Oct. 17.
Mercier, Ernest, and M. Ehlinger, Paris, France, assignors, by mesne assignments, to Moore, Inc., Atlanta, Ga. Free-piston compressor. 2,493,355, Jan. 3.
Mercier, Ernest, and M. Ehlinger, Paris, France, assignors, by mesne assignments, to Moore, Inc., Atlanta, Ga. Apparatus for removing dust from gases. 2,493,356, Jan. 3.
Mercier, Jacques, New York, N. Y. Compression coupling. 2,508,763, May 23.
Mercier, Jean, New York, N. Y. Shock absorber. 2,496,952, Feb. 7.
Mercier, Jean, New York, N. Y. Coupling. 2,507,261, May 9.
Mercier, Jean, New York, N. Y. Coupling. 2,523,135, Sept 19.
Mercier, Jean, New York, N. Y. Hydraulic control mechanism. 2,526,252, Oct. 17.
Mercier, Jean, Paris, France. Aircraft variable area wings using landing gear fairings. 2,511,362, June 13.
Mercier, Robert, assignor to Fondation dite: Groupement Francais pour le Developpement des Recherches Aeronautiques, Paris, France. Mechanical movement. 2,495,815, Jan. 31.
Mercier, Stanley M., Bexley, Ohio, assignor to The Jeffrey Manufacturing Company. Bearing temperature conditioning and lubricating system and apparatus. 2,512,361, June 20.
Mercier, Stanley M., Bexley, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company. Elevator. 2,525,041, Oct. 10.
Merck & Co., Inc., assignee: *See*—
Anthony, Paul Z., and Stein.
Babson, Robert D., and Tishler.
Bassford, Henry H., Jr., and Harmon.
Brink, Norman G., and Folkers.
Conn, John B.
Coover, Harry W., and Bowman.
Harmon, William S.
Harris, Stanton A.
Harris, Stanton A., Arth, Hoffman, and Folkers.
Harris, Stanton A., and Folkers.
Heyl, Dorothea, Harris, and Folkers.
Hoffman, Dorothea H.
Howe, Eugene E.
Howe, Eugene E., and Holly.
Kuehl, Frederick A., Jr., and Chalet.
Macek, Thomas J.
McDaniel, Lloyd E.
Mozingo, Ralph, Folkers, and Easton.
Mozingo, Ralph, McPherson, and Folkers.
Owen, John T.
Peck, Robert L.
Peck, Robert L., and Johnson.
Pfister, Karl.
Pfister, Karl, III, and Tishler.
Pierson, Earl H., and Tishler.
Rogers, Edward F.
Sarett, Lewis H.
Sheehan, John C., Mozingo, Folkers, and Tishler.
Stein, Gustav A., and Stevens.
Stievater, Leonard, Jr., and Stecher.
Tishler, Max, and Howe.
Tishler, Max, and Wellman.
Wilson, Armin G.
Wilson, Evelyn H.
Wilson, Evelyn, Weijlard, and Tishler.
Wolf, Donald E.
Wolf, Donald E., and Folkers.
Wolf, Frank J.
Wolf, Frank J., and Pfister.
Woodruff, Harold B., and Larsen.
Merck, E., Darmstadt, assignee: *See*—
Zima, Otto, and v. Werder.
Merckx, Philibert L. J. R.: *See*—
Bruylants, Pierre J. M., and Merckx.
Merco Centrifugal Co., assignee: *See*—
Zimmerman, Albert E., and Botke.
Merco Industries Inc., assignee: *See*—
Coats, Judson M.
Mercurio, Joseph A., assignee: *See*—
Rossi, Domenic A.
Mercury Aircraft Incorporated, assignee: *See*—
Meade, Joseph F.
Merdan, Alexander, and A. J. Merdan, Jr., New York, N. Y. Antifreeze device. 2,504,861, Apr. 18.
Merdan, Alexander J., Jr.: *See*—
Merdan, Alexander and A. J., Jr.
Meredith, Frederick W., Cricklewood, London, England, assignor to S. Smith & Sons (England), Limited. Control equipment for stabilizing a platform mounted in a craft. 2,495,591, Jan. 24.
Meredith, Frederick W., Cricklewood, London, England, assignor to S. Smith & Sons (England) Limited. Electric servomotor and system controlled thereby. 2,499,664, Mar. 7.
Meredith, Frederick W., assignor to S. Smith & Sons (England) Limited, London, England. Automatic stabilizing control system. 2,503,346, Apr. 11.
Meredith, Frederick W., Cricklewood, London, England, assignor to S. Smith & Sons (England) Limited. Electric motor-controlled system. 2,512,665, June 27.
Meredith, Frederick W., Cricklewood, London, England, assignor to S. Smith & Sons (England) Limited. Device for detecting or measuring rate of turn. 2,514,250, July 4.
Meredith, John A., Lakewood, Colo. Bottleholder. 2,511,864, June 20.
Mergenthaler Linotype Company, assignee: *See*—
Frolander, Frank C.
Frolander, Frank C., and Mead.
Turner, Ransom H.
Meriam Instrument Company, The, assignee: *See*—
Hejduk, Arthur A., and Shannon.
Merion, Howard D., Silverside, Del., and W. A. Sisson, Chester County, Pa., assignors to American Viscose Corporation, Wilmington, Del. Crimped artificial filament. 2,517,694, Aug. 8.
Merisuo, Paul K., River Grove, Ill. Camera support. 2,521,473, Sept. 5.
Merit Engineering, Inc., assignee: *See*—
Stevenson, Robert.
Stevenson, Robert, and Keema.
Merit Products, Inc., assignee: *See*—
Bonkowski, Teofil L.
Pokras, Harry.
Merkel, Joseph F., assignor to General Railway Signal Company, Rochester, N. Y. Control machine panel for switch and signal control systems. 2,507,921, May 16.
Merkel, Joseph F., assignor to General Railway Signal Company, Rochester, N. Y. Timing device. 2,507,989, May 16.
Merkel, Joseph F., assignor to General Railway Signal Company, Rochester, N. Y. Electromagnetic control of recording mechanisms. 2,515,658, July 18.
Merkel, Otto, Hawthorne, N. Y. Lift. 2,535,221, Dec. 26.
Merker, David, Brooklyn, and M. J. Brounn, Flushing, assignors to Otis Elevator Company, New York, N. Y. Directory sign for elevator cars. 2,518,920, Aug. 15.
Merker, Leon, New York, N. Y., and H. Espenschied, Metuchen, N. J., assignors to National Lead Company, New York, N. Y. Preparation of titanium dioxide. 2,521,392, Sept. 5.
Merker, Robert L., U. S. Navy. Fluid lubricating composition. 2,528,535, Nov. 7.
Merkin, Sophia, Belle Harbor, N. Y. Pot holder. 2,499,601, Mar. 7.
Merkle, Bernard J., Chicago, Ill. Contact terminal for electric motors. 2,501,686, Mar. 28.
Merkle-Korff Gear Company, assignee: *See*—
Korff, Abram.
Merkur, Irving I., New York, N. Y. Film marker. 2,522,187, Sept. 12.
Merkur, Irving I., New York, N. Y. Film splicer. 2,527,952, Oct. 31.
Merkur, Martin, assignor of one-third to A. Neustadter, New York, N. Y. Plaster cast cutter. 2,513,038, June 27.
Merla Tool Corporation, assignee: *See*—
Lamb, Roy A.
Merlis, Ira, White Marsh, assignor to Acme Coppersmithing & Machine Company, Oreland, Pa. Apparatus for crystallization and the like. 2,504,033, Apr. 11.
Merner, I. G., assignee: *See*—
Holmes, Charles, and Snyder.
Merner, John, assignor to Geuder, Paeschke & Frey Co., Milwaukee, Wis. Adjustable length folding legs for ironing boards. 2,531,778, Nov. 28.
Mero, Ralph M.: *See*—
Simpson, Justin, and Mero.
Merola, Anthony, Pittsburgh, Pa. Gas-operated sound signal. 2,513,579, July 4.
Meroni, Charles F., assignee: *See*—
Snyder, Leland H., and Yost.
Merralls, Charles N., and H. Melchior, Los Angeles, Calif. Treadle switch. 2,493,157, Jan. 3.
Merralls, Franz N., Inglewood, assignor to Rubbercraft Corporation of California, Ltd., Los Angeles, Calif. Receptacle and closure means therefor. 2,520,467, Aug. 29.
Merrell, Edwin J., Eastchester, N. Y., assignor to Phelps Dodge Copper Products Corporation, Dover, Del. Bonding team for protection against lead sheath corrosion. 2,520,046, Aug. 22.
Merrell, Wm. S., Company, The, assignee: *See*—
Amstutz, Edward D.
Bost, Ralph W., and Shelton.
Shelton, Robert S., and Wheeler.
Van Zoeren, Gerritt J.
Merriam, Charles W., Jr., Taunton, Mass. Maneuvering board attachment. 2,534,288, Dec. 19.

Merriam, Charles W., Jr., Taunton, and F. K. Perkins, Newton, Mass. Ship loading evaluating device. 2,496,302, Feb. 7.
Merriam, Frank R., Jr., Westlake Village, assigned to The General Industries Company, Elyria, Ohio. Motor brush mounting. 2,504,564, Apr. 18.
Merriam Manufacturing Company, The, assignee: *See*— Wiepert, George D.
Merrifield, Edgar E.: *See*— Merrifield, John D. and E. E.
Merrifield, John D., Rocky Ford, Colo., and E. E. Merrifield, Minneapolis, Minn. Tape feeder for packaging machines. 2,510,187, June 6.
Merrill, David R., Moorestown, N. J., and W. A. Perry, Bristol, assignors to Rohm & Haas Company, Philadelphia, Pa. Production of hydrogen cyanide. 2,531,287, Nov. 21.
Merrill, Donald G., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Lehr for glassware. 2,497,621, Feb. 14.
Merrill, Donald G., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Apparatus for and method of controlling drift in lehrs. 2,507,673, May 16.
Merrill, Frank D., Russell, Kans. Toy power shovel. 2,512,166, June 20.
Merrill, Frank W.: *See*— Edwards, Martin A., and Merrill.
Merrill, Frank W., Fort Wayne, Ind., assignor to General Electric Company. Current collector member. 2,519,918, Aug. 22.
Merrill, Frank W., Fort Wayne, Ind., assignor to General Electric Company. Dynamoelectric machine. 2,519,919, Aug. 22.
Merrill, Frank W., Fort Wayne, Ind., assignor to General Electric Company. Rotor for permanent magnet dynamoelectric machines. 2,522,233, Sept. 12.
Merrill, Frank W., Fort Wayne, Ind., assignor to General Electric Company. Rotor for synchronous induction motors. 2,525,455, Oct. 10.
Merrill, Frank W., Fort Wayne, Ind., assignor to General Electric Company. Rotor for dynamoelectric machines. 2,525,456, Oct. 10.
Merrill, George L., East Cleveland, assignor to The Cleveland Hobbing Machine Company, Euclid, Ohio. Cam checking fixture. 2,525,420, Oct. 10.
Merrill, Henry M., assignor to J. P. Seeburg Corporation, Chicago, Ill. Electronic timing circuit. 2,498,566, Feb. 21.
Merrill, Homer D., Berkeley, Calif. Magnetic conveyer. 2,526,253, Oct. 17.
Merrill, Leslie M., trustee, assignee: *See*— Lindhagen, Teodor I., and Boestad. Lysholm, Alf.
Merrill, Marcellus S., assignee: *See*— Erickson, Lowell H.
Merrill, Willard B.: *See*— Plummer, Lloyd F., and Merrill.
Merrimac Hat Corporation, assignee: *See*— Hoffman, Manfred T. Hoffman, Manfred T., and O'Connor.
Merriman, William E., assignor to Eastman Kodak Company, Rochester, N. Y. Making electrical condensers. 2,518,707, Aug. 15.
Merrington, Robert S.: *See*— Carlson, Carl S., Merrington, and Biribauer.
Merritt-Chapman & Scott Corporation, assignee: *See*— Siecke, Albert C. W., and Davidon.
Merritt, Glenn W., assignor to The Nolan Company, Bowerston, Ohio. Molding machine for ceramic ware. 2,500,371, Mar. 14.
Merritt, Glenn W., Bowerston, Ohio. Airplane hangar door construction. 2,532,456, Dec. 5.
Merritt, James E., Martinsville, Va. Fastener driving machine. 2,505,906, May 2.
Merritt, Richard I., Forest Hills, assignor of one-half to B. Taylor, New York, N. Y. Lady's coat and lining with sleeves adapted to be tightened about the wrists. 2,517,400, Aug. 1.
Merritt, William G., Alameda, Calif. Flushing apparatus. 2,520,951, Sept. 5.
Merrow, John G. G., assignee: *See*— Kuehnel, William J.
Merrow Machine Company, The, assignee: *See*— Champlin, Everett E.
Merry, Walter, River Rouge, Mich. Soap holder. 2,494,305, Jan. 10.
Merryweather, Gerald, Cuyahoga Falls, Ohio. Storage bag for paintbrushes and the like. 2,533,829, Dec. 12.
Merschner, Robert F., Homewood, assignor to Standard Oil Company, Chicago, Ill. Recovery of oxygenated compounds and hydrocarbons from mixtures thereof. 2,533,675, Dec. 12.
Mershon, Alfred V., Schenectady, N. Y., assignor to General Electric Company. Integrating load meter for rotating shafts. 2,530,022, Nov. 14.
Mershon, Clarence L., Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Time-delay relay. 2,500,956, Mar. 21.
Mershon, Clarence L., Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system for window heaters. 2,530,980, Nov. 21.
Mersinger, Peter H., assignor to National Machine Company, St. Louis, Mo. Latch for adjustable back chairs. 2,494,348, Jan. 10.
Mertè, Willy W., deceased, Heidenheim/Brenz, Germany; H. L. Beigel, ancillary administrator of said W. W. Mertè. Anastigmatic lenses. 2,530,397, Nov. 21.
Mertens, Edward W.: *See*— Smith, Vaughn R., Stevens, and Mertens.
Mertens, Edward W., Berkeley, and D. E. Stevens, Fairfax, assignors to California Research Corporation, San Francisco, Calif. Bitumen-treating agent. 2,508,924, May 23.
Mertes, Richard W.: *See*— Vold, Marjorie J., and Mertes.
Mertes, Richard W., assignor to Union Oil Company of California, Los Angeles, Calif. Modified lubricating oil. 2,501,731, Mar. 28.
Mertes, Richard W., assignor to Union Oil Company of California, Los Angeles, Calif. Modified lubricating oil. 2,501,732, Mar. 28.
Mertl, Glen F., and R. Knothe, assignors to Stewart-Warner Corporation, Chicago, Ill. Indicating instrument. 2,507,115, May 9.
Mertz, Edwin T., La Fayette, Ind., assignor to Hercules Powder Company, Wilmington, Del. Resolution of crude mother liquors obtained in manufacture of pentaerythritol. 2,533,737, Dec. 12.
Mertz, Harry J., Webster City, Iowa, assignor to Solar Corporation, Milwaukee, Wis. Rotary fluid coupling. 2,526,082, Oct. 17.
Mertz, Harvey E., Lehighton, Pa. Bow making fixture. 2,521,863, Sept. 12.
Mertz, Walter H., Lima, Ohio. Railroad ballast tamper and equalizer. 2,497,682, Feb. 14.
Merwin, Harry H., Rutherford, and E. W. Reynolds, Westfield, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Centrifugal force compensating mechanism. 2,494,483, Jan. 10.
Merz Engineering Co., assignee: *See*— Rupley, Frederick L.
Merz, Herman A., Cincinnati, Ohio. Case turning-in machine. 2,501,733, Mar. 28.
Mesa, Joseph O., Great Neck, N. Y., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Display arrangement for an aircraft-coordinating system. 2,524,987, Oct. 10.
Mesch, Orwar S. A., St. Albans, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Switch cleaning tool. 2,503,558, Apr. 11.
Meschan, Isadore: *See*— Meschan, Rachel M. F. and I.
Meschan, Rachel M. F. and I., North Little Rock, Ark., said I. Meschan assignor to said R. M. F. Meschan. Slit identification X-ray cassette. 2,505,562, Apr. 25.
Meschter, Emery: *See*— White, Deane R., and Meschter.
Meschwitzer, Kurt H., Lakewood, Ohio. Apparatus for converting wheeled vehicles into sleds. 2,518,561, Aug. 15.
Mesh, John A., Kansas City, Kans. Generator rotor. 2,501,232, Mar. 21.
Mesh, William E.: *See*— Drake, Harcourt C., Bendz, and Mesh.
Mesh, William E., Teaneck, assignor to Sperry Products, Inc., Hoboken, N. J. Rail flaw detector mechanism. 2,507,863, May 16.
Mesick, Albert W., Brooklyn, N. Y. Self-locking and unlocking differential gear system. 2,495,016, Jan. 17.
Meske, Lloyd E., Missoula, Mont. Vehicle-carried single-pass tree cutter. 2,512,666, June 27.
Mesner, Max H., Princeton, N. J., assignor to Radio Corporation of America. Tone control circuit. 2,505,254, Apr. 25.
Mesner, Max H., Princeton, N. J., assignor to Radio Corporation of America. Timing modulation. 2,507,170, May 9.
Mesner, Max H., Princeton, N. J., assignor to Radio Corporation of America. Pulse-echo radio locator system. 2,524,295, Oct. 3.
Mesner, Max H., Princeton, N. J., assignor to Radio Corporation of America. Pulse-echo radio locator system. 2,524,296, Oct. 3.
Messer, John S., and D. L. Davis, assignors to Economy Fuse and Manufacturing Company, Chicago, Ill. Fuse. 2,497,227, Feb. 14.
Messer, William E., Cheshire, V. C. Neklutin, and J. A. Reynolds, Naugatuck, Conn., assignors to United States Rubber Company, New York, N. Y. Shortstopping of synthetic rubber latex polymerization. 2,521,077, Sept. 5.
Messick, Harry M., Springfield, Ohio. Hose coupling. 2,494,774, Jan. 17.
Messina, Joseph R., Jr., Newark, N. J. Vaporizer humidifier. 2,515,310, July 18.
Messine, Victor J., New York, N. Y., now by judicial change of name Victor J. Terre. Mouth speculum. 2,505,056, Apr. 25.
Messinger, Bernard L., Los Angeles, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Aircraft heating system. 2,521,393, Sept. 5.
Messinger, Lester H., Trumbull, assignor to Remington Arms Company, Inc., Bridgeport, Conn. Die holder. 2,506,161, May 2.

Messmore, George H., New York, N. Y. Transparent-effect display. 2,496,171, Jan. 31.

Mestas, Ricardo, Los Angeles, assignor to Kobe, Inc., Huntington Park, Calif. Electric gauge head. 2,499,665, Mar. 7.

Meston, Archibald F., Bound Brook, N. J., assignor to Research Corporation, New York, N. Y. Discharge electrode. 2,505,907, May 2.

Mestre, Luis, New York, N. Y. Mechanism for mounting sheet material on backing sheets. 2,520,322, Aug. 29.

Mestwerdt, Herman R.: *See*—
Aschenbrenner, Claus, Heidelauf, Mestwerdt, and Wernicke.

Metakloth Company, assignee: *See*—
Van Norden, Ottomar H.

Metal Hydrides Incorporated, assignee: *See*—
Alexander, Peter P.
Gibb, Thomas R. P., Jr.
Hayward, Carle R., and Wright.

Metal Products, Inc., assignee: *See*—
Nowell, Richard A.

Metal Textile Corporation, assignee: *See*—
Goodloe, Alfred M.

Metal & Thermit Corporation, assignee: *See*—
Coffeen, William W., and Danielson.
Lowenhelm, Frederick A.

Metalastik Limited, assignee: *See*—
Hirst, Archie J.

Metalite, Inc., assignee: *See*—
Greene, Howard B.

Metalloy Corporation, assignee: *See*—
Ellestad, Reuben B., and Leute.

Metallurgical Processes Co., assignee: *See*—
Ness, Harold J.

Metals & Controls Corporation, assignee: *See*—
Bolesky, John D.
Durst, George.
Gunn, Townsend M.
Moorhead, John O.
Moorhead, John O., and Gunn.

Metals Disentegrating Company, Inc., assignee: *See*—
Allen, Everett R.
Knoll, Alexander F.

Metcalf, Arthur G. B., Milton, Mass. Textile machine. 2,531,944, Nov. 28.

Metcalf, George F., Syracuse, N. Y., assignor to General Electric Company. Frequency modulation receiver system. 2,523,043, Sept. 19.

Metcalf, Hugh E.: *See*—
Brown, Robinson, and Metcalf.

Metcalfe, Clifford, Ruislip, and A. J. Rae, Southall, assignors to Electric & Musical Industries Limited, Hayes, Middlesex, England. Record-playing mechanism. 2,521,990, Sept. 12.

Methudy, Edward J., assignee: *See*—
Daub, Andrew C.
Johnson, Ernest W.

Metron Instrument Company, assignee: *See*—
Floyd, Frederick K.

Metropolitan Engineering Company, assignee: *See*—
Phelps, George H.

Metropolitan-Vickers Electrical Company Limited, assignee: *See*—
Baumann, Karl.
Dannatt, Cecil, and Belsey.
Darlington, William H.
Polson, Reginald A., and Dannatt.
Smith, David M.

Metsger, Charles S., Lodi, assignor to Bendix Aviation Corporation, Teterboro, N. J. Releasable starter jaw holding means. 2,505,563, Apr. 25.

Metsger, Charles S., Lodi, assignor to Bendix Aviation Corporation, Teterboro, N. J. Engine starting means. 2,508,833, May 23.

Mette, Norman H., Detroit, Mich. Colostomy bag. 2,527,321, Oct. 24.

Mettler, George, North Bergen, N. J. Refrigerant expansion device. 2,534,874, Dec. 19.

Metz, Christopher, Baldwin, N. Y. Magnetic disk for shuffleboard tables. 2,530,896, Nov. 21.

Metz, Harry E., assignor to Landers, Frary & Clark, New Britain, Conn. Vacuum cleaner. 2,531,342, Nov. 21.

Metz, James, Mount Healthy, assignor to Nu-Tangs Inc., Cincinnati, Ohio. Replacement tang. 2,512,033, June 20.

Metz, Leonard R., Denver, assignor of one-half to D. H. Burrows, Lakewood, Colo. Fish lure. 2,518,487, Aug. 15.

Metz, Robert R., Farmington, Mich. Landscape testing and demonstrating apparatus. 2,508,925, May 23.

Metz, Victor E.: *See*—
Brown, Grover W., and Metz.

Metzgar, Chester W., Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Clearance valve assembly. 2,506,162, May 2.

Metzger, Edgar F., Logansport, Ind. Flush valve. 2,502,335, Mar. 28.

Metzger, George D., Cincinnati, Ohio. Moisture indicator. 2,506,806, May 9.

Metzger, Leopold H., and V. J. Fantozzi, assignors, by mesne assignments, to Super-Cut, Inc., Chicago, Ill. Abrasive wheel. 2,496,352, Feb. 7.

Metzger, Lewis W., Doylestown, Pa., assignor to The Baldwin Locomotive Works. Fuel oil leakage detector for Diesel engines. 2,533,195, Dec. 5.

Metzger, Morton, New Rochelle, N. Y. Garment or garment lining with flexible inserts. 2,500,084, Mar. 7.

Metzger, Theodore C., Lorain, assignor of one-half to L. P. Wottring, Amherst, Ohio. Dart target with indicator. 2,523,773, Sept. 26.

Metzger, William J.: *See*—
Spence, Hubert L., and Metzger.

Metzger, William J., East Cleveland, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Drawbar carrier for draft riggings. 2,515,964, July 18.

Metzkier, Joseph E., Cliffside Park, N. J. Multiring standard taper ground glass joint. 2,499,106, Feb. 28.

Metzler, Claude L., Berea, Ohio, assignor to The American Steel and Wire Company, of New Jersey. Wire unreeling apparatus. 2,500,697, Mar. 14.

Metzner, Albert W., assignor to The Standard Register Corporation, Dayton, Ohio. Pin type feeding device. 2,500,196, Mar. 14.

Metzner, Albert W., assignor to The Standard Register Company, Dayton, Ohio. Autographic register. 2,516,899, Aug. 1.

Metzner, William: *See*—
Wade, Francis A., and Metzner.

Meuly, Walter C., New Brunswick, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Oxidation of sterols. 2,505,646, Apr. 25.

Meunier, Edward J., Johnston, R. I. Lip guard. 2,535,084, Dec. 26.

Meunier, Lillian, Great Neck, N. Y. Pinfeather tool. 2,503,961, Apr. 11.

Meunier, Marcel, Cuesmes, assignor to Ateliers de Constructions Electriques de Charleroi, Brussels, Belgium. Apparatus for examination of materials by elastic waves. 2,505,867, May 2.

Meunier, Marcel, Cuesmes, assignor to Ateliers de Constructions Electriques de Charleroi, Brussels, Belgium. Feeler for elastic waves. 2,532,507, Dec. 5.

Meunier, Odon G. J., Fayt-lez-Manage, Belgium. Strickling machine. 2,532,634, Dec. 5.

Meunier, Vincent C., Flourtown, and C. M. Cox, assignors to Rohm & Haas Company, Philadelphia, Pa. Urea-formaldehyde-oxazolidine coreaction resin. 2,517,128, Aug. 1.

Meuriot, Paul A., Paris, France. Device for counting persons ascending and descending a flight of steps. 2,494,401, Jan. 10.

Mevorach, Jack, Brooklyn, N. Y. Signal relay switch. 2,525,930, Oct. 17.

Mexico Refractories Company, assignee: *See*—
Mackensen, Fred H.

Meyer, Albert W., Nutley, N. J., assignor to United States Rubber Company, New York, N. Y. Mixtures of interpolymers. 2,521,078, Sept. 5.

Meyer, Alvin D.: *See*—
Pifer, Marion J., Meyer, and McGarvey.

Meyer, Alvin D., Kenmore, and C. F. Carlzen, assignors to Colonial Radio Corporation, Buffalo, N. Y. Hand and power drive. 2,529,660, Nov. 14.

Meyer, Alvin L., Fairfield, Mont. Ditch filler. 2,529,039, Nov. 7.

Meyer, Arnold A.: *See*—
Engnell, Knute O., and Meyer.

Meyer, Arnold F., Pewaukee, assignor to The Heil Co., Milwaukee, Wis. Hoist and dumping mechanism for separable bodies. 2,527,369, Oct. 24.

Meyer-Balzer Fuel Unit, Incorporated, assignee: *See*—
Meyer, David.
Meyer, David, and Balzer.

Meyer, Clare G., assignor to Exhibit Supply Company, Chicago, Ill. Grip testing device. 2,526,495, Oct. 17.

Meyer, David, Canton, assignor to Meyer-Balzer Fuel Unit, Incorporated, Dover, Ohio. Liquid fuel atomizer. 2,532,851, Dec. 5.

Meyer, David, Canton, and M. G. Balzer, assignors to Meyer-Balzer Fuel Unit, Incorporated, Dover, Ohio. Refractory liner material. 2,532,592, Dec. 5.

Meyer, Edwin W.: *See*—
Julian, Percy L., Cole, Meyer, and Magnani.

Meyer, Elmer H.: *See*—
Brecht, Rudolph W., and Meyer.

Meyer, Emil: *See*—
Hedwall, Frederick A., and Meyer.

Meyer, Ferd S., trustee, assignee: *See*—
Hulsman, David L.

Meyer, Ferd S., Puerto Rican Trust: *See*—
Hulsman, David L.

Meyer, Frank A.: *See*—
Schwendner, Anthony F., Gottlieb, and Meyer.

Meyer, Frank L., Peoria, Ill. Hot-air furnace. 2,529,406, Nov. 7.

Meyer, Franklin, Jr.: *See*—
Stead, Clifford, and Meyer.

Meyer, Friedrich, assignor to Felsa S. A., Grenchen, Switzerland. Thrust disk for supporting axles in movements of timepieces. 2,523,873, Sept. 26.

Meyer, Fritz, Staten Island, and C. Neuberg, New York, N. Y., said Neuberg assignor to said Meyer. Soluble sulfadiazene-alkali salicylate composition. 2,510,993, June 13.

Meyer, George E., and V. B. Honsinger, Cincinnati, Ohio, assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Laminated spacer for ventilated die cast rotors. 2,504,825, Apr. 18.
Meyer, George J., Milwaukee, assignor to Geo. J. Meyer Manufacturing Co., Cudahy, Wis. Filling machine drive. 2,500,465, Mar. 14.
Meyer, Geo. J., Manufacturing Co., assignee: *See*— Meyer, George J.
Meyer, Henry E., Wyandotte, Mich., assignor to National Steel Corporation. Slab stamper. 2,503,504, Apr. 11.
Meyer, Henry F., and C. W. Harrold, University Heights, Ohio, assignors to Harris-Seybold Company. Ink roller vibrating means. 2,520,688, Aug. 29.
Meyer, Howard W., Indianapolis, Ind., assignor, by mesne assignments, to The Marquette Metal Products Company, Cleveland, Ohio. Grinding method. 2,511,934, June 20.
Meyer, James R., Sioux City, Iowa. Friction pin spring compressor plier construction. 2,505,564, Apr. 25.
Meyer, John F., Indianapolis, Ind. Wick type oil burner. 2,532,570, Dec. 5.
Meyer, John F., Indianapolis, Ind. Oil burner and mixer. 2,535,443, Dec. 26.
Meyer, Joseph E., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Sealing means for rotary intaglio printing press ink fountains. 2,495,017, Jan. 17.
Meyer, Joseph E., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Inking mechanism for printing presses. 2,526,254, Oct. 17.
Meyer, Joseph E., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Folding jaw assembly for rotary sheet folders. 2,527,194, Oct. 24.
Meyer, Joseph E., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Rotary sheet folder. 2,528,159, Oct. 31.
Meyer, Joseph E., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Doctor mechanism for rotary intaglio printing presses. 2,528,965, Nov. 7.
Meyer, Jules: *See*— Ackermann, Franz, and Meyer.
Meyer, Leonard S.: *See*— Case, John C., and Meyer.
Meyer, Leonard S., Newark, Ohio. Apparatus for producing composite sheet material. 2,518,164, Aug. 8.
Meyer, Lester W. A., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Forming pellets of thermoplastic materials. 2,508,414, May 23.
Meyer, Rachel I., Miami, Fla. Combination diaper and training pants. 2,506,231, May 2.
Meyer, Robert V., Arlington, Mass. Photometric apparatus for quantitative spectroanalysis. 2,503,165, Apr. 4.
Meyer, Ronald E.: *See*— Bludworth, Joseph E., and Meyer. Otto, Ferdinand P., and Meyer.
Meyer, Rudolf, Zurich, Switzerland. High-speed rail vehicle. 2,503,120, Apr. 4.
Meyer, Rudolph H. M.: *See*— De Nie, Willem L. J., and Meyer.
Meyer, Siegfried, New York, N. Y. Garment cover. 2,526,385, Oct. 17.
Meyer, Theodore H., De Smet, S. Dak. Dry sectional corncrib floor bin and emergency grain bin. 2,504,213, Apr. 18.
Meyer, Walter C., Warrenton, assignor to Missouri Jewelite Sign Company, St. Louis, Mo. Luminous sign. 2,532,178, Nov. 28.
Meyer, Walter R.: *See*— Groene, William F., Siekmann and Meyer.
Meyer, Walter W., Arlington Heights, assignor to Rotary Seal Company, Chicago, Ill. Seal. 2,525,365, Oct. 10.
Meyer, Walter W., Arlington Heights, assignor to Rotary Seal Company, Chicago, Ill. Seal. 2,525,366, Oct. 10.
Meyercord Co., The, assignee: *See*— Brownlee, Kenneth H. Ohman, Herbert A. Rathke, Harry C. Thorp, Clark E., and Kinney.
Meyerhans, August: *See*— Scharli, Rudolf, and Meyerhans.
Meyerhans, August, Nussbaumen, near Baden, assignor to Aktiengesellschaft Brown, Beveri & Cie, Baden, Switzerland. Transformer. 2,531,697, Nov. 28.
Meyerhans, August, Rieden, near Baden, assignor to Atkiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Transformer with regulating choke coils. 2,493,683, Jan. 3.
Meyerhoefer, Carl E.: *See*— Lewyt, Alex M., and Meyerhoefer.
Meyerhoff, Albert J., Newark, and J. H. Sulzer, Union Beach, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Testing electrical conductors. 2,526,891, Oct. 24.
Meyering, Jan L.: *See*— Druyvesteyn, Marl J., and Meyering.
Meyers, Andrew G., Teaneck, N. J. Self-feeding floor wax applicator and polisher. 2,505,295, Apr. 25.
Meyers, Charles O., Bartlesville, Okla., assignor to Phillips Petroleum Company. Rotary burner with interrupted annular finned cover plate. 2,494,893, Jan. 17.
Meyers, Donald N.: *See*— Daland, Elliot, and Meyers.
Meyers, Donald N., Philadelphia, assignor, by mesne assignments, to Piasecki Helicopter Corporation, Morton, Pa. Lifting rotor blade attachment. 2,518,243, Aug. 8.
Meyers, Frank, assignee: *See*— Alger, John T.
Meyers, Fred N., Andover, assignor to The H. N. White Company, Cleveland, Ohio. Water key for trombones and the like. 2,533,388, Dec. 12.
Meyers, Fred N., Andover, assignor to The H. N. White Company, Cleveland, Ohio. Valve action mechanism for wind instruments. 2,533,389, Dec. 12.
Meyers, George C.: *See*— Logmann, Arthur A., and Meyers.
Meyers, Irving J., Richmond, Va. Luggage cover having side and end walls laterally stretchable and longitudinally yieldable. 2,520,250, Aug. 29.
Meyers, J. J., assignee: *See*— Bellinghausen, John.
Meyers, Joe W., Weleetka, Okla. Lawn rake and carrier. 2,504,715, Apr. 18.
Meyers, Joe W., Weleetka, Okla. Wrist watch bracelet. 2,517,011, Aug. 1.
Meyers, Lewis A., Fort Worth, Tex. Ventilator type window structure. 2,494,189, Jan. 10.
Meyers, Morris, Chicago, assignor of one-half to J. J. Ohlis, Oak Park, Ill. Rack guide and pinion assembly. 2,509,161, May 23.
Meyers, Stanley T., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Negative feedback amplifier. 2,500,424, Mar. 14.
Meyers, W. F., Company, Incorporated, assignee: *See*— Sneva, Ingolf.
Meyersieck, Marion: *See*— Baxmeyer, Charlotte, Meyersieck and Taylor.
Meyerson, Samuel, Brooklyn, N. Y. Expansion bracelet. 2,515,884, July 18.
Meylich, Milton J.: *See*— Krause, Carl H., Meylich, and Schetz.
Meylich, Milton J., West Orange, N. J., and H. J. von Hasseln, assignors to Western Electric Company, Incorporated, New York, N. Y. Work locating apparatus. 2,526,386, Oct. 17.
Meynier, Jacques M. J. F., deceased, Lausanne, Switzerland; R. J. G. Meynier, sole heir of said J. M. J. F. Meynier. Carburetor. 2,530,716, Nov. 21.
Meynier, Rosine J. G., sole heir: *See*— Meynier, Jacques M. J. F.
Meynig, August W., Westbrook, Tex. Stuffing box. 2,502,977, Apr. 4.
Meyrowitz, Robert, Washington, D. C. Crucible holder. 2,528,536, Nov. 7.
Meystre, Charles: *See*— Miescher, Karl, and Meystre.
Mezger, George R., U. S. Navy. Electrical transducer. 2,494,570, Jan. 17.
Mezzadri, Bruno, New York, N. Y. Safety pin. 2,493,988, Jan. 10.
Micafil A.-G., assignee: *See*— Liechti, Albert.
Micafil Ltd., Works for Electrical Insulation and Winding Machines, assignee: *See*— Wirth, Otto.
Micci, Nicholas: *See*— Kolodny, Samuel, and Micci.
Michael, Bacheer, assignee: *See*— Maddox, Joseph V.
Michael, Bernice M., Los Angeles, Calif. Weaning cup. 2,534,614, Dec. 19.
Michael, Gurney L., Minersville, Ohio. Earth boring tool. 2,499,252, Feb. 28.
Michael, Marie W.: *See*— Walter, Frances D., and Michael.
Michael, Stephen L., Tacoma, and V. E. Anderson, Pacific City, assignors to The Wheeler, Osgood Company, Tacoma, Wash. Veneer clippers. 2,532,672, Dec. 5.
Michael, Vesta F., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Formaldehyde purification and polymerization with selective condensation of water vapor. 2,529,622, Nov. 14.
Michael, Wilhelm, Ludwigshafen-on-Rhine, O. Goehre, Heidelberg, and G. Free, and W. v. Fuener, Ludwigshafen-on-Rhine, and W. Schneider, Mannheim, Germany; vested in the Attorney General of the United States. Hydrocarbon conversion process and catalyst therefor. 2,500,197, Mar. 14.
Michaelis, Curt, Weehawken, N. J., and K. Preuss, Forest Hills, N. Y., assignors to C. Michaelis, doing business as Basic Foods Company, Union City, N. J. Portable icer. 2,535,860, Dec. 26.
Michaelis, Edwin E., New York, N. Y. Display device. 2,500,318, Mar. 14.
Michaelis, Hella, administratrix: *See*— Jennen, Jacob Josef, and Michaelis.
Michaelis, John L., New Martinsville, W. Va. Electrical measuring and energy control system. 2,526,496, Oct. 17.
Michaelis, Walter: *See*— Jennen, Jacob Josef, and Michaelis.
Michaels, Edwin B., Stamford, Conn., and B. Berk, New York, N. Y., assignors to Lawrence Richard Bruce, Incorporated, Stamford, Conn. Dyeing keratinous fibers. 2,501,184, Mar. 21.

Michaels, Ernest E., Birmingham, Ala., assignor to Chicago Bridge & Iron Company. Balloon type gasholder. 2,523,318, Sept. 26.

Michaels, Hunter, assignor to American Locomotive Company, New York, N. Y. Railway vehicle wheel. 2,524,354, Oct. 3.

Michaels, Maurice A., assignor to The Oiljak Manufacturing Co., Inc., Montclair, N. J. Spark plug cleaner and tester. 2,505,422, Apr. 25.

Michal, Leon V., Lincoln, Nebr. Automobile engine warmer. 2,515,659, July 18.

Michalinsky, Jacob, Brooklyn, N. Y. Manually operated knitting machine. 2,523,225, Sept. 19.

Michals, Henry T., and O. N. Eisendrath, Milwaukee, Wis. Shoe last. 2,534,048, Dec. 12.

Michaux, Nancy A., assignee: *See*— Michaux, William W., Jr.

Michaux, William W., Jr., assignor of one-half to N. A. Michaux and one-half to E. N. Dew, Richmond, Va. Conveying apparatus for inspection stations. 2,504,565, Apr. 18.

Michehl, Frederick N.: *See*— McElhaney, Edward D., and Michehl.

Michel, Aloys J., and K. F. Ross, New York, N. Y. Combination desk set. 2,521,594, Sept. 5.

Michel, Benjamin F., Spokane, Wash. Cigarette crusher and container. 2,533,679, Dec. 12.

Michel, Philip C., and T. A. Rich, Schenectady, N. Y., assignors to General Electric Company. Control circuit. 2,505,565, Apr. 25.

Michela, John G., St. Petersburgh, Fla. Glass window hurricane protector. 2,523,044, Sept. 19.

Michelini, Leo A., assignor of one-third to L. Sbrana and one-third to D. Sciarra, San Francisco, Calif. Telephone recorder. 2,511,865, June 20.

Michell, Anthony G. M., Melbourne, Victoria, Australia. Turbine adjutage. 2,497,508, Feb. 14.

Michell, Anthony G. M., and A. J. Seggel, Melbourne, Victoria, Australia. Bearing. 2,534,788, Dec. 19.

Michelsen, William O.: *See*— Veltman, John C., and Michelsen.

Michiana Products Corporation, assignee: *See*— Haworth, Roy D., Jr., and Mahin. Marshall, Joseph K., and Nygren.

Michigan Aircraft Company, assignee: *See*— McFall, Thurlow E.

Michigan Chemical Corporation, assignee: *See*— Wohlers, Herbert C., and Davis.

Michigan State Board of Agriculture, assignee: *See*— Dexter, Stephen T. Sheldon, Walter H.

Michigan Tool Company, assignee: *See*— Pelphrey, Harry.

Michigan Wire Goods Company, assignee: *See*— Smith, Mahlon J.

Michl, Edward F.: *See*— Boese, Alvin W., and Michl.

Michler, Robert W., Perris, Calif. Feeler gauge 2,498,171, Feb. 21.

Michon, Alfred E.: *See*— Boughtwood, John E., and Michon.

Mickelwait, James N., and J. R. Gibbs, Hackberry, La. Stuffing box structure. 2,502,872, Apr. 4.

Micronizer Company, The, assignee: *See*— Andrews, Norwood H., and Speirs.

Micro Processing Equipment Inc., assignee: *See*— Marshall, Donald E.

Middaugh, Dennis A., Jersey City, N. J. Work holder. 2,498,696, Feb. 28.

Middaugh, Reginald A., Brooktondale, N. Y. Automatic suture or tourniquet. 2,518,921, Aug. 15.

Middleby-Marshall Oven Company, assignee: *See*— Cargill, Maxwell F.

Middleman, George, Brooklyn, N. Y. Composition hat pressing block. 2,506,309, May 2.

Middler, Alexander J., Detroit, Mich. Toy vehicle. 2,505,057, Apr. 25.

Middler, Alexander J., Detroit, Mich. Toy horse. 2,505,058, Apr. 25.

Middlestadt, William F., Baltimore, assignor to The James Gibbons Company, Relay, Md. Rotary beater. 2,523,319, Sept. 26.

Middlestadt, William F., Baltimore, assignor to The James Gibbons Company, Relay, Md. Dispensing apparatus for plastic sealing compositions. 2,530,777, Nov. 21.

Middlestetter, Brewster P., near Lewisburg, Ohio. Spring motor. 2,493,989, Jan. 10.

Middlesworth, Louis F.: *See*— Davis, Stanley H., Middlesworth, and Milstein.

Middleton, Carl W.: *See*— Middleton, Earl F. and C. W.

Middleton, Donald R., assignee: *See*— Pogorzelski, Roman J.

Middleton, Earl F., Scarsdale, N. Y., assignor to Design Center, Incorporated. Process of and apparatus for shaping plastics. 2,522,956, Sept. 19.

Middleton, Earl F., New Rochelle, and C. W. Middleton, Larchmont, N. Y. Drawing and beading mechanism. 2,514,005, July 4.

Middleton, Edmund B., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Cyanine sensitizing dyes. 2,524,675, Oct. 3.

Middleton, Edmund B., Woodbridge, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Heterocyclic nitrogen compounds containing a furane nucleus and preparation thereof. 2,524,674, Oct. 3.

Middleton, Frank A., Cheltenham, England. Babies' teats, feeding appliances, comforters, or the like. 2,503,505, Apr. 11.

Middleton, Leslie H., Toledo, and E. A. Kern, Weston, Ohio. Differential electrical meter. 2,507,801, May 16.

Middleton, Marshall, Jr., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Vapor electric device. 2,499,769, Mar. 7.

Midgage Models, Inc., assignee: *See*— Stewart, Willis G.

Midgette, Ernst L., Philadelphia, Pa., and J. E. Beck, Lyndhurst, N. J., assignors to American Engineering Company, Philadelphia, Pa. Traveling grate stoker, including grate bar retaining means. 2,511,935, June 20.

Midgette, Ernst L., and R. W. Reid, assignors to American Engineering Company, Philadelphia, Pa. Spreader stoker. 2,531,779, Nov. 28.

Midgley, Albert H., Northwood, and D. R. Ashworth, Millbank, England. Fuse for bombs and other missiles or projectiles. 2,516,234, July 25.

Midland Co., The, assignee: *See*— Hupp, Arleigh G.

Midland Steel Products Company, The, assignee: *See*— Almond, John R., and Bosworth.

Midouhas, Stephen P., assignor to Kemline Metal Products Company, Bristol, Pa. Container for flat articles. 2,501,609, Mar. 21.

Midouhas, Stephen P., Bristol, Pa. Toy soda fountain. 2,529,407, Nov. 7.

Mid-States Equipment Company, assignee: *See*— Miller, Kenneth H.

Mid-Tex Motors Inc., assignee: *See*— Kattner, Wilbert W.

Midwest Game Co., Inc., assignee: *See*— Miller, Leland C.

Midyette, John T., Jr., Cumberland Court House, Va. Tempering unit. 2,515,885, July 18.

Mieher, Walter W.: *See*— Barrow, Wilmer L., and Mieher.

Mieher, Walter W., Mineola, N. Y., assignor to The Sperry Corporation. Wave guide impedance matching section. 2,534,289, Dec. 19.

Mieher, Walter W., Mineola, and J. D. Mallett, Garden City, N. Y., assignors to The Sperry Corporation. Compact ultra high frequency energy-confining rotating joint. 2,523,320, Sept. 26.

Miehle Printing Press & Manufacturing Company, assignee: *See*— Peyrebrune, Henri E. Peyrebrune, Henri E., and James.

Miele, John, Jersey City, N. J. Curtain stretcher. 2,508,681, May 23.

Mieras, Merritt A., Detroit, and A. F. Millington, Northville, assignors to Novi Equipment Company, Novi, Mich. Heater structure. 2,518,356, Aug. 8.

Mierley, George M., Havertown, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Gas turbine apparatus. 2,514,408, July 11.

Miescher, Karl, Riehen, and G. Anner, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J. Hydrophenanthrene carboxylic acids and derivatives thereof and making same. 2,493,773, Jan. 10.

Miescher, Karl, Riehen, and J. Heer, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J. Hydrophenanthrene compounds and making same. 2,494,253, Jan. 10.

Miescher, Karl, Riehen, and G. Anner, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J. Substituted hydrofluorene carboxylic acids. 2,494,254, Jan. 10.

Miescher, Karl, Riehen, and C. Meystre, Basel, Switzerland, assignors to Ciba Pharmaceutical Products Inc., Summit, N. J. Stable, supersaturated aqueous solutions of saccharide derivatives of the suprarenal cortical hormone series and making same. 2,497,509, Feb. 14.

Miescher, Karl, Riehen, and A. Marxer and E. Urech, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J. 2-(n :n-diphenyl-aminomethyl)-imidazolines. 2,503,059, Apr. 4.

Miescher, Karl, and W. Klarer, Riehen, Switzerland, assignors to Ciba Pharmaceutical Products Inc., Summit, N. J. Tertiary arylamines and making same. 2,505,133, Apr. 25.

Miescher, Karl, Riehen, and H. Kaegi, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J. Production of 1-alkyl 4-phenylpiperidyl 4-ketones. 2,517,695, Aug. 8.

Miescher, Karl, Riehen, J. Heer, Binningen, J. Billeter, and G. Anner, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J. Octahydrophenanthrene-2-carboxylic acids and derivatives thereof. 2,534,466, Dec. 19.

Miess, Charles R., Oak Lawn, Ill. Tire removing tool. 2,527,102, Oct. 24.

Miess, Fred, Gary, Ind. Heating continuously traveling metal strip. 2,504,440, Apr. 18.

Miessner, Benjamin F., assignor to Miessner Inventions, Inc., Harding Township, Morris County, N. J. Vibrator-exciting action. 2,533,830, Dec. 12.
Miessner, Benjamin F., assignor to Miessner Inventions, Inc., Harding Township, Morris County, N. J. Vibrator-exciting action. 2,535,503, Dec. 26.
Miessner Inventions, Inc., assignee: *See*— Miessner, Benjamin F.
Migdow, Benjamin R., Chicago, Ill. Artists' materials kit. 2,511,537, June 13.
Migrdichian, Vartkes, Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Resinous aromatic acid salts of a guanidine as mothproofers. 2,499,226, Feb. 28.
Mihalyi, Joseph, assignor to Eastman Kodak Company, Rochester, N. Y. Film spool with signal for cameras. 2,503,756, Apr. 11.
Mihalyi, Joseph, assignor to Eastman Kodak Company, Rochester, N. Y. Film and shutter winding mechanism. 2,511,215, June 13.
Mihalyi, Joseph, assignor to Eastman Kodak Company, Rochester, N. Y. Film counter for cameras. 2,521,933, Sept. 12.
Mihalyi, Joseph, assignor to Eastman Kodak Company, Rochester, N. Y. Parallax free multiple view finder. 2,525,558, Oct. 10.
Mihalyi, Joseph, and E. J. Ward, assignors to Eastman Kodak Company, Rochester, N. Y. Quick-loading roll film camera and cartridge therefor. 2,521,932, Sept. 12.
Mihalik, Peter, East Orange, N. J. Center punch. 2,528,383, Oct. 31.
Mihara, Kazuo, Buffalo, N. Y. Conductor reel. 2,526,256, Oct. 17.
Miick, Rudolph V.: *See*— Werle, Armand E., and Miick.
Mikelson, Walter: *See*— Janssen, William H., and Mikelson.
Mikelson, Walter, Schenectady, N. Y., assignor to General Electric Company. Wind velocity and direction meter. 2,521,531, Sept. 5.
Mikeska, Louis A.: *See*— Lippincott, Samuel B., and Mikeska. Yowell, Howard L., and Mikeska.
Mikeska, Louis A., Westfield, N. J., assignor to Standard Oil Development Company. Lubricating oil composition. 2,497,132, Feb. 14.
Mikeska, Louis A., Westfield, N. J., assignor to Standard Oil Development Company. Lubricating oil composition. 2,506,310, May 2.
Mikeska, Louis A., Westfield, N. J., assignor to Standard Oil Development Company. Mineral lubricating oil containing polysulfides of thiophosphorous and thiophosphoric acid esters. 2,526,497, Oct. 17.
Mikeska, Louis A., and S. B. Lippincott, Westfield, N. J., assignors to Standard Oil Development Company. Pour depressants. 2,525,076, Oct. 10.
Mikeska, Louis A., Westfield, and E. B. Cyphers, Cranford, N. J., assignors to Standard Oil Development Company. Extreme pressure lubricants. 2,529,304, Nov. 7.
Mikeska, Louis A., Westfield, and A. R. Kittleson, Cranford, N. J., assignors to Standard Oil Development Company. Compounded petroleum hydrocarbon products. 2,530,339, Nov. 14.
Mikeska, Peter L., assignor to The Dole Valve Company. Chicago, Ill. Vent valve structure. 2,497,181, Feb. 14.
Miketta, Casimir A., assignee: *See*— Hunter, Frank B.
Mikina, Stanley J.: *See*— Hanna, Clinton R., Lynn, and Mikina. Lynn, Lawrence B., and Mikina.
Mikina, Stanley J., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control for ice-cream freezers. 2,530,981, Nov. 21.
Mikolajczyk, Harry L., Holland, Ohio. Model airplane launching apparatus. 2,499,666, Mar. 7.
Mikshel, John J., assignor to Kling Bros. Engineering Works, Chicago, Ill. Door swinging and latching mechanism for garment cylinders. 2,496,011, Jan. 31.
Mikula, Adam: *See*— Flugel, Walter, Hemmi, Hofer, and Mikula.
Mikulas, William, West Brighton, N. Y., assignor to Conmar Products Corporation, Newark, N. J. Apparatus for electrotreating metal slide fasteners. 2,517,907, Aug. 8.
Mikulasek, John, Bellevue, Iowa. Displacement mechanism. 2,494,100, Jan. 10.
Milani, Humbert: *See*— Weaver, Lawrence G., and Milani.
Milani, Louis, Foods, Inc., assignee: *See*— Cahn, Frank J.
Milas, Nicholas A., Belmont, Mass., assignor to Research Corporation, New York, N. Y. Production of dimethylamino vitamin A. 2,507,802, May 16.
Milazzo, Joseph, New York, N. Y. Current collecting construction. 2,495,750, Jan. 31.
Milbank, Charles A., Kansas City, Mo. Electrical test block. 2,526,255, Oct. 17.
Milbrada, Edward J., Cumberland, Md., assignor to Celanese Corporation of America. Esterification process. 2,526,761, Oct. 24.
Milburn, Robert T., New Orleans, La. Trigger pull tester. 2,494,571, Jan. 17.
Mildebrath, Erich O., Union City, N. J. Floor waxer with inertia actuated flow control valve. 2,516,523, July 25.
Mildé, Charles E., Paris, France. Induction clutch. 2,505,500, Apr. 25.
Miles, Carroll C., Leominster, Mass. Making picture frames. 2,496,884, Feb. 7.
Miles, Carroll C., Leominster, Mass. Picture frame. 2,523,136, Sept. 19.
Miles, George N., Milford, Conn., assignor to General Electric Company. Liquid atomizing nozzle. 2,524,820, Oct. 10.
Miles, George S., West Englewood, assignor to Bendix Aviation Corporation, Teterboro, N. J. Constant speed motor. 2,505,135, Apr. 25.
Miles, George W.: *See*— Smith, Drexel V., and Miles.
Miles, John B., Richland, Wash., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of filamentous structures. 2,509,741, May 30.
Miles, John B., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of nylon of low thermoextensibility. 2,509,740, May 30.
Miles, John C., Urbana, Ill., assignor to The Board of Trustees, the University of Illinois. Refractory element for stoves and the like. 2,504,141, Apr. 18.
Miles, John R., Des Plaines, Maine Township, Cook County, assignor to La Croix Optical Company, Chicago, Ill. Optical system for photographic objectives. 2,527,370, Oct. 24.
Miles, John R. R., Inc., assignee: *See*— Bailey, Dana H.
Miles Laboratories, Inc., assignee: *See*— Free, Alfred H. Lobley, Frederick A., and Foster.
Miles, Maebyn, assignor to Nancy Garment Company, Kent, Wash. Baby diaper. 2,516,331, July 25.
Miles, Maebyn L., assignor to Nancy Garment Company, Kent, Wash. Baby bib. 2,518,357, Aug. 8.
Miles, Paul E., assignor to Atlanta Metallic Casket Co., Atlanta, Ga. Burial vault latch. 2,505,297, Apr. 25.
Miles, Robert H., Rochester, N. Y. Landing gear unit for airplanes. 2,520,323, Aug. 29.
Miles, Russel T., Easton, Md. Reversible trash incinerator. 2,528,447, Oct. 31.
Miles, Thomas J., Buechel, Ky. Folding chair having a folding footrest. 2,507,609, May 16.
Miles, William S., Hastings on Hudson, assignor to Johns-Manville Corporation, New York, N. Y. Control mechanism for stud securing apparatus. 2,499,227, Feb. 28.
Miley, L. J., Company, assignee: *See*— Steder, Marshall.
Milford Crane & Machine Co., assignee: *See*— Rossner, Emery.
Milhench, Harry, B. C. Gresty, and E. E. Comfort, Liverpool, England, assignors to Automatic Electric Laboratories Inc., Chicago, Ill. Multipoint electrical connector. 2,500,292, Mar. 14.
Milholland, Texas A., Little Rock, Ark. Minnow bucket. 2,511,648, June 13.
Milik Conveyors Limited, assignee: *See*— Milik, Rudolf.
Milik, Rudolf, assignor to Milik Conveyors Limited, London, England. Conveyer belt apparatus. 2,514,715, July 11.
Milkweed Products Development Corporation, assignee: *See*— Berkman, Boris.
Mill, Alfred P., Coulsdon, England; now by judicial change of name A. P. M. Cochrane. Worm and nut mechanism. 2,519,777, Aug. 22.
Mill, Victor J., assignor to Lawrence Machine and Pump Corporation, Lawrence, Mass. Pumping apparatus. 2,504,140, Apr. 18.
Millais, Warren, New York, N. Y., assignor to W. A. Amend, Sr., Great Bend, Kans. Color cinematography. 2,530,023, Nov. 14.
Millar, William J., assignor of one-half to Electric Resistance Furnace Company Limited, London, England. Roller unit for furnaces. 2,531,984, Nov. 28.
Millar, William N., Detroit, Mich. Driving and steering control for lawn mowers. 2,519,270, Aug. 15.
Millard, André C., Lyon, France. Instrument for the taking and injection of blood. 2,518,165, Aug. 8.
Millard, Edgar W., Elyria, Ohio. Automatic safety flow control. 2,497,032, Feb. 7.
Millard, Howard, Jr., Narberth, Pa. Razor blade sharpener. 2,505,908, May 2.
Millard, Lee P., Chicago, and M. J. Mitchell, Highland Park, Ill., assignors to International Harvester Company. Corn harvester. 2,517,401, Aug. 1.
Millat, Gustave C., Dayton, Ohio. Fluid valve. 2,524,114, Oct. 3.
Millen, Edwin R., McCandless Township, Allegheny County, assignor to Fisher Scientific Company, Pittsburgh, Pa. Electric impulse counter. 2,527,023, Oct. 24.
Millen, Lincoln H., Modesto, Calif. Anchor with releasable pivoted flukes. 2,511,286, June 13.
Millendorf, Alfred J.: *See*— Sensel, Eugene E., Millendorf, and Beck.
Miller, Aaron: *See*— Steiner, Arnold B., and Miller.
Miller, Albert A., Madison, Wis. Automatic radio program selector. 2,519,686, Aug. 22.

Miller, Alexander, Providence, R. I. Trouble light construction. 2,534,875, Dec. 19.

Miller, Alexander A.: *See*—
Dixon, James K., Miller, and Bruesch.

Miller, Alfred J., Garwood, and J. Kolody, Basking Ridge, N. J., assignors to The Linde Air Products Company. Plural-nozzle surface conditioning blowpipe apparatus. 2,524,920, Oct. 10.

Miller, Alfred R.: *See*—
Bradwell, Raymond C., and Miller.

Miller, Alonzo, Monongahela, Pa. Toy rubber band gun. 2,497,555, Feb. 14.

Miller, Alvin D., Cuyahoga Falls, Ohio, and R. F. O'Connell, St. Louis, Mo., assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Treating synthetic rubber coagulant effluent to recover aluminum salts. 2,495,120, Jan. 17.

Miller, Arthur, Brookline, assignor to Sanborn Company, Cambridge, Mass. Interference reducing circuit. 2,500,994, Mar. 21.

Miller, Arthur A., McHenry, Ill., assignor to Miller Products. Hydraulic jack. 2,503,347, Apr. 11.

Miller, Arthur A., McHenry, Ill., assignor to Miller Products. Scissors jack. 2,523,706, Sept. 26.

Miller, Arthur B. *See*—
Slinkard, Raymond L., and Miller.

Miller, Arthur E.: *See*—
McMillan, Andrew, Viall, Miller, and Carter.

Miller, Arthur E., Milwaukee, Wis. Lawn trimmer or edger. 2,503,348, Apr. 11.

Miller, Arthur W., Princeton, N. J. Turnbuckle. 2,512,501, June 20.

Miller, August J., Oakland, Calif. Barbecue hardware. 2,501,075, Mar. 21.

Miller, August J., Oakland, Calif. Adjustable damper with friction holding means for fireplaces. 2,514,583, July 11.

Miller, Belford A.: *See*—
Daily, Robert A., Hindall, Mahoney, Miller and Bish.

Miller, Bernard, Seattle, Wash. Golf club. 2,503,506, Apr. 11.

Miller, Bert V., assignor to Layne & Bowler, Incorporated, Memphis, Tenn. Machine tool for milling tubular workpieces. 2,526,762, Oct. 24.

Miller, Billy J., and T. Sifferman, Republic, Mo. Dairy stanchion. 2,522,188, Sept. 12.

Miller, Boyd C., and J. H. Isenhour, Salisbury, N. C. Kiln car and accessories therefor. 2,516,786, July 25.

Miller, Bruce De Haven: *See*—
Garnatz, George F., and Miller.

Miller, Carl J., Rochester, N. Y. Combination step and wall ladder. 2,533,391, Dec. 12.

Miller, Carroll D., Rocky River, and F. N. Becker, assignors to The American Monorail Company, Cleveland, Ohio. Method and apparatus for cleaning spinning frames. 2,516,475, July 25.

Miller, Carroll E., assignor to Cone Automatic Machine Company Inc., Windsor, Vt. Automatic lathe or screw machine. 2,506,515, May 2.

Miller, Carroll E., assignor to Cone Automatic Machine Company Inc., Windsor, Vt. Work spindle with eccentric work support. 2,517,908, Aug. 8.

Miller, Cecil, assignor to Consumer-Pak Machine Co., Pomona, Calif. Bag sealing device. 2,514,453, July 11.

Miller, Charles: *See*—
Klein, Ben, and Miller.

Miller, Charles A.: *See*—
Ashby, Carl T., and Miller.

Miller, Charles A., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Vapor generator assembly. 2,532,179, Nov. 28.

Miller, Charles A., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Absorption refrigerating system of the uniform pressure type. 2,533,031, Dec. 5.

Miller, Charles B.: *See*—
Calfee, John D., and Miller.

Miller, Charles C., Jr., Springfield, assignor to Piasecki Helicopter Corporation, Morton, Pa. Forward rotor transmission for helicopters. 2,520,887, Aug. 29.

Miller, Charles D., and L. S. Lyles, Chester, S. C. Top roll clearer for drawing frames. 2,509,982, May 30.

Miller, Charles E.: *See*—
Ewald, Warren, and Miller.
Gleitz, Herbert and Miller.

Miller, Charles E., East Cleveland, and F. H. Sweet, Euclid, assignors to Marquette Metal Products Company, Cleveland, Ohio. Brake for textile mill spindles. 2,532,261, Nov. 28.

Miller, Charles F., assignor to Jacquard Knitting Machine Co., Inc., Philadelphia, Pa. Take-up and folding mechanism. 2,497,786, Feb. 14.

Miller, Charles F., assignor to Jacquard Knitting Machine Co., Inc., Philadelphia, Pa. Brushing machine. 2,507,038, May 9.

Miller, Charles F., assignor to Jacquard Knitting Machine Co., Inc., Philadelphia, Pa. Knitting machine. 2,508,834, May 23.

Miller, Charles F., assignor to Jacquard Knitting Machine Co., Inc., Philadelphia, Pa. Controller. 2,534,724, Dec. 19.

Miller, Charles G., Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Automatic call recording system for automatic telephony. 2,531,637, Nov. 28.

Miller, Christian, assignor to Edwards and Company, Inc., Norwalk, Conn. Plug and receptacle construction. 2,503,286, Apr. 11.

Miller, Christian, assignor to Edwards & Company, Inc., Norwalk, Conn. Signaling switch construction. 2,514,083, July 4.

Miller, Christian, assignor to Edwards & Company, Inc., Norwalk, Conn. Hospital signaling switch. 2,527,564, Oct. 31.

Miller, Clarence A., J. Thomson, and F. J. Ryno, assignors to Kresky Mfg. Co., Inc., Petaluma, Calif. Rectangular pot-type oil burner. 2,524,067, Oct. 3.

Miller, Clarence A., and J. Thomson, assignors to Kresky Mfg. Co., Inc., Petaluma, Calif. Simulated draft pot-type oil burner. 2,524,068, Oct. 3.

Miller, Clarence L., Chase, Kans. Cradle. 2,531,858, Nov. 28.

Miller, Clarke E., Johnstown, Pa. Door strike plate adjuster. 2,535,444, Dec. 26.

Miller, Clifford T.: *See*—
Lewis, Harlan G. and D. D., and Miller.

Miller, Coleman J.: *See*—
Mack, Kent M., and Miller.

Miller Company, The, assignee: *See*—
De Lancey, Ralph W.
Naysmith, Shirley R.
Runge, Richard M.

Miller, Daniel, Brooklyn, N. Y. Parachute release device. 2,499,107, Feb. 28.

Miller, Daniel W., and E. G. Brown, Lakewood, Ohio. Hammer mill type garbage grinder. 2,509,242, May 30.

Miller, David, Lancaster, Pa. Umbrella ferrule. 2,495,380, Jan. 24.

Miller, Dewey S., assignee: *See*—
Miller, Dewey S.

Miller, Dewey S., assignor to D. S. and K. M. Miller, doing business as Miller Manufacturing Co., Albion, Nebr. Enclosure device for automobile-starting mechanisms. 2,502,336, Mar. 28.

Miller, Donald L., Elmira, N. Y., assignor to Bendix Aviation Corporation. Heavy-duty engine starter gearing. 2,500,132, Mar. 7.

Miller, Donald L., Elmira, N. Y., assignor to Bendix Aviation Corporation. Engine starter drive. 2,500,133, Mar. 7.

Miller, Donald L., Elmira, N. Y., assignor to Bendix Aviation Corporation. Starter gearing for internal-combustion engines. 2,535,017, Dec. 19.

Miller, Donald L., Pine City, N. Y., assignor to Bendix Aviation Corporation. Engine starting mechanism. 2,505,334, Apr. 25.

Miller, Donald L., Pine City, assignor to Bendix Aviation Corporation, Elmira Heights, N. Y. Starter for internal-combustion engines. 2,511,814, June 13.

Miller, Donald L., Pine City, assignor to Bendix Aviation Corporation, Elmira Heights, N. Y. Backfire protective device. 2,528,160, Oct. 31.

Miller, Durando, Pelham, N. Y., and T. R. Komline, Ridgewood, N. J. Manufacture of lime putty. 2,518,046, Aug. 8.

Miller, Earle C., assignor to Riley Stoker Corporation, Worcester, Mass. Furnace front wall construction for use with spreader stokers. 2,501,734, Mar. 28.

Miller, Earle C., assignor to Riley Stoker Corporation, Worcester, Mass. Apparatus for regulating combustion in spreader stoker furnaces. 2,534,049, Dec. 12.

Miller, Earvy R., Santa Monica, assignor to Turco Products, Inc., Los Angeles, Calif. Removing silver films from mirrors with phosphoric acid. 2,525,178, Oct. 10.

Miller, Edward J., assignee: *See*—
Hornberger, Floyd L.

Miller, Edward J., Lansdowne, Pa. Skimmer golf game. 2,500,003, Mar. 7.

Miller, Edward W., assignor to The Fellows Gear Shaper Company, Springfield, Vt. Machine for grooving gear shaving cutters with helical displacement of grooves. 2,523,913, Sept. 26.

Miller, Edwin A., Fairfield, Conn. Snap switch having a blade torsionally mounted. 2,529,881, Nov. 14.

Miller Electric Manufacturing Co., assignee: *See*—
Mulder, Allan C.

Miller, Elenor, Portland, Oreg. Paper feeding mechanism for typewriters. 2,506,934, May 9.

Miller, Ellis D.: *See*—
Bonds, Marvin T., Moore, and Miller.

Miller, Elnathan H., Jr.: *See*—
Evans, Robert P., and Miller, Jr.

Miller, Elwood M., Reinbeck, Iowa. Starting block. 2,505,784, May 2.

Miller, Emery M., Denver, Colo. Golfer's accessory. 2,503,586, Apr. 11.

Miller, Emery M., Denver, Colo. Golf club construction. 2,520,950, Sept. 5.

Miller, Emery P.: *See*—
Ransburg, Edwin M., and Miller.

Miller, Emery P., assignor, by mesne assignments, to Ransburg Electro-Coating Corp., Indianapolis, Ind. Electrostatic coating apparatus. 2,526,763, Oct. 24.
Miller, Erma, administratrix: *See*—
Schiffbauer, Daniel.
Miller, Ernest B., Houston, Tex. Dust collector. 2,500,851, Mar. 14.
Miller, Ernest B., Houston, Tex. Method of and apparatus for catalytic treatment of gases. 2,507,538, May 16.
Miller, Ernest B., Houston, Tex. Apparatus for conditioning air. 2,507,607, May 16.
Miller, Ernest B., Houston, Tex. Apparatus for dehydrating gas and recovering condensable hydrocarbons therefrom. 2,507,608, May 16.
Miller, Ernest C. C., Laurelton, N. Y. Swivel joint. 2,519,147, Aug. 15.
Miller, Eugene D., Rahway, N. J., assignor to Callaway Mills Company, La Grange, Ga. Tufted terry product. 2,499,406, Mar. 7.
Miller, Eugene F., assignor to Hanes Hosiery Mills Co., Winston-Salem, N. C. Knitting machine and method. 2,525,704, Oct. 10.
Miller, Eugene F., assignor to Hanes Hosiery Mills Company, Winston-Salem, N. C. Sinker control mechanism for circular knitting machines. 2,531,073, Nov. 21.
Miller, Eugene P.: *See*—
Gagnier, Charles E., and Miller.
Miller, Everett, New Hope, assignor to Luscombe Engineering Company, Inc., North Wales, Pa. File tray. 2,503,833, Apr. 11.
Miller, Floyd F., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Stabilization of monomeric 1,1-dicyano ethylene. 2,535,861, Dec. 26.
Miller, Floyd J.: *See*—
Moss, Raymond F., and Miller.
Miller, Frank A., assignor to Buffalo Machinery Company, Incorporated, Buffalo, N. Y. Split blade for air and steam turbines. 2,521,595, Sept. 5.
Miller, Frank E., Boston, Mass. Electric flashlight with means for quickly changing bulbs. 2,509,832, May 30.
Miller, Frank E., Edgewood, and R. T. Whitney, Irwin, Pa. Pressure regulating mechanism. 2,524,462, Oct. 3.
Miller, Franklin C., Los Angeles, and E. S. Brumfield, South Pasadena, assignors to Fairchild, Polley & Eliel, Inc., Los Angeles, Calif. Photographic reproducing device. 2,514,892, July 11.
Miller, Fred E., Portland, Conn. Tire chain. 2,507,037, May 9.
Miller, Fred J., and M. J. Graham, Dickinson, N. Dak. Radiator testing device. 2,534,615, Dec. 19.
Miller, Frederick W., Buffalo, N. Y. Deicing device for roofs. 2,507,039, May 9.
Miller, Fred T.: *See*—
Houth, Joseph W., P. L. and F. T.
Miller, George, assignee: *See*—
Brown, Myron T.
Miller, George A., Jr., Weirsdale, Fla. Bullet. 2,532,323, Dec. 5.
Miller, George, Rockton, Ontario, assignor to Francis Hankin & Co. Limited, Montreal, Quebec, Canada. Filtering apparatus. 2,499,325, Feb. 28.
Miller, George L., Canton, Ohio. Ladder for railroad cars. 2,502,228, Mar. 28.
Miller, Gerald W., Oblong, Ill. Pneumatic massage. 2,531,074, Nov. 21.
Miller, Glenn H., Ames, Iowa, assignor to Stromberg-Carlson Company. Power supply. 2,497,182, Feb. 14.
Miller, Glen W., Covina, E. L. Kells, Alhambra, and D. H. Larsen, West Hollywood, Calif. Absorption refrigeration. 2,534,789, Dec. 19.
Miller, Grant, Washington, D. C. Quadding control. 2,510,709, June 6.
Miller, Grant, Washington, D. C. Traction cleat. 2,525,367, Oct. 10.
Miller, Grant, Washington, D. C. Nonskid traction cleat. 2,530,897, Nov. 21.
Miller, Gustave L., Geneseo, Ill. Tractor tread for disintegrating cornstalks. 2,534,675, Dec. 19.
Miller, Guy O., Oak Park, Ill. Adjustable height ironing table. 2,517,696, Aug. 8.
Miller, Harold D., San Bruno, and P. D. Williams, Palo Alto, assignors to Eitel-McCullough Inc., San Bruno, Calif. Electrode and making the same. 2,497,090, Feb. 14.
Miller, Harold G., Dover, Ohio. Combined Christmas tree holder and tree watering pan. 2,532,931, Dec. 5.
Miller, Harry, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Pretimed electrically operated program controller. 2,527,565, Oct. 31.
Miller, Harry B.: *See*—
Shaper, Harry B., and Miller.
Miller, Harry C., Meadville, Pa., assignor to La Coeur Company. Container. 2,493,922, Jan. 10.
Miller, Harry F., and R. G. Flowers, Pittsfield, Mass., assignors to General Electric Company. Polymeric acenaphthylene and preparing the same. 2,510,647, June 6.
Miller, Harry F., and R. G. Flowers, Pittsfield, Mass., assignors to General Electric Company. Fibrous dielectric compositions. 2,535,690, Dec. 26.
Miller, Harry G., West Allis, and C. E. Brophy, Wauwatosa, Wis. Ventilating system for Diesel houses. 2,495,816, Jan. 31.
Miller, Harry R., assignor to George K. Garrett Company, Inc., Philadelphia, Pa. Roller skate construction. 2,533,277, Dec. 12.
Miller, Harry W., Muskegon Heights, Mich. Stool having a rotatable seat. 2,529,780, Nov. 14.
Miller, Heinrich and C. L., assignee: *See*—
Clay, Howard W.
Miller, Helen E., Moultrie, Ga. Maternity pantie. 2,513,039, June 27.
Miller, Helmuth, Linden, N. J. Knitting or utility bag handle. 2,513,040, June 27.
Miller, Henry, Superior, Wis. Live bait holder. 2,533,390, Dec. 12.
Miller, Hercheal W.: *See*—
Buss, Benjamin A., and Miller.
Miller, Herman H., assignor to The Dow Chemical Company, Midland, Mich. Packaged magnesium anode with cemented backfill. 2,495,466, Jan. 24.
Miller, Herman R., and R. W. Sohl, Marshallville, assignors to Wingfoot Corporation, Akron, Ohio. Method and equipment for track manufacture. 2,514,964, July 11.
Miller, Homer H., Bridgeport, Conn., assignor to General Electric Company. Waffle iron. 2,495,638, Jan. 24.
Miller, Hugh, Meadville, Pa., assignor to American Viscose Corporation, Wilmington, Del. Stretch tube orifice. 2,529,563, Nov. 14.
Miller, Ira A., Houston, assignor to Otis Pressure Control, Inc., Dallas, Tex. Cutting device. 2,515,377, July 18.
Miller, Isaac C., Denver, Colo. Explosion operated pump. 2,532,635, Dec. 5.
Miller, Ivan O., Fullerton, W. N. Sutliff, Whittier, D. U. Shaffer, and K. E. Waggener, assignors to Shaffer Tool Works, Brea, Calif. Making chains. 2,533,325, Dec. 12.
Miller, J. M. W., assignee: *See*—
Edwards, William C.
Miller, James, South Norwalk, Conn. Bass viol stand. 2,502,229, Mar. 28.
Miller, James J., Bloomsburg, Pa. Toy electric vehicle and track. 2,510,241, June 6.
Miller, James S., Beaver Falls, Pa. Ice cream dispensing package. 2,519,271, Aug. 15.
Miller, James T., assignor to The Kawneer Company, Niles, Mich. Wall surfacing. 2,511,074, June 13.
Miller, James T., assignor to The Kawneer Company, Niles, Mich. Sign letter. 2,534,467, Dec. 19.
Miller, John C., Grand Rapids, Mich. Buffing wheel. 2,508,072, May 16.
Miller, John C., Grand Rapids, Mich. Buffing wheel. 2,508,073, May 16.
Miller, John H., Baltimore, Md. Table crumber. 2,494,572, Jan. 17.
Miller, John H., Short Hills, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Multiple tester with corner transformer. 2,507,803, May 16.
Miller, John J., San Bernardino, Calif. Paper hanger's straight edge gauge. 2,495,275, Jan. 24.
Miller, John M., Blytheville, Ark. Tire applying device. 2,514,781, July 11.
Miller, John M., Summerdale, Ala. Tool box and locking handle. 2,519,490, Aug. 22.
Miller, John M., Summerdale, Ala. Tooth paste dispenser having a cutoff valve actuated by a tooth brush. 2,528,662, Nov. 7.
Miller, John R., assignor to G. H. Cote, Bridgeport, Conn. Self-releasing toolholder. 2,505,335, Apr. 25.
Miller, John W.: *See*—
Figg, Basil D., and Miller.
Jones, Don F., Miller, and Figg.
Miller, John W., assignor to Motor Wheel Corporation, Lansing, Mich. Combined forced and convection flow air-heating device. 2,517,909, Aug. 8.
Miller, Joseph C., Compton, assignor to Coast Envelope Company, Los Angeles, Calif. Checkbook cover and making same. 2,495,940, Jan. 31.
Miller, Joseph R.: *See*—
Ketay, Morris F., and Miller.
Miller, Karl H., North Canton, assignor to Diebold, Incorporated, Canton, Ohio. Metal door frame construction. 2,531,075, Nov. 21.
Miller, Kay: *See*—
Ake, John E., and Miller.
Miller, Kenneth C., Kenosha, Wis. Ladder platform. 2,500,559, Mar. 14.
Miller, Kenneth H., Chicago, Ill., assignor to Mid-States Equipment Company. Welding apparatus. 2,526,035, Oct. 17.
Miller, Kenneth M., assignee: *See*—
Miller, Dewey S.
Miller, Kenneth W., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telautograph system. 2,527,835, Oct. 31.
Miller, Leland C., assignor to Midwest Game Co., Inc., Kansas City, Mo. Shipping crate for animals. 2,530,170, Nov. 14.
Miller, Leon B., Brooklyn, N. Y. Groove scraping device. 2,497,228, Feb. 14.
Miller, Leonard: *See*—
Jacob, Frederick N., Stout, and Miller.
Miller, Leonard C.: *See*—
Snell, Arthur H., and Miller.
Miller, Leslie C., Macedonia, Ohio. Machine and process for making aggregate articles. 2,501,135, Mar. 21.

Miller, Leslie C., Macedonia, Ohio. Machine for molding concrete and the like. 2,501,136, Mar. 21.
Miller Liter Company, assignee: *See*—
Miller, Price B.
Miller, Lloyd G., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Lasting machine. 2,505,134, Apr. 25.
Miller, Lottie K.: *See*—
Miller, Meyer M., and Lottie K.
Miller, Loyal K., Lawrence, Kans. Variable pitch propeller. 2,515,607, July 18.
Miller, Luke B., Mason City, Iowa. Tire. 2,523,583, Sept. 26.
Miller, Malcolm T.: *See*—
Binnall, Frederick C., and Miller.
Miller, Malcolm T., Oak Park, F. C. Binnall, River Forest, and C. H. Krause, assignors to Sloan Valve Company, Chicago, Ill. Thermostatic mixing valve. 2,508,074, May 16.
Miller Manufacturing Co.: *See*—
Miller, Dewey S.
Miller, Mark, Jacksonville, Fla. Ventilated wall and floor. 2,535,691, Dec. 26.
Miller, Mathew, assignee: *See*—
Rudolf, James A.
Miller, Mathias J., Evansville, Ind. Reciprocating cutter power lawn mower. 2,505,296, Apr. 25.
Miller, Maurice E., Addison, N. Y. Carriage control mechanism for photocomposing apparatus and the like. 2,518,166, Aug. 8.
Miller, Max A., assignee: *See*—
Vitek, Charles.
Miller, Max O., Los Angeles, Calif., assignor to Motoview, Inc., Carson City, Nev. Remotely controlled photographic apparatus movable along a track. 2,523,662, Sept. 26.
Miller, Melville A., Chicago, Ill. Phonograph stylus. 2,502,661, Apr. 4.
Miller, Melville A., Chicago, Ill. Phonograph needle. 2,505,715, Apr. 25.
Miller, Meyer M., and L. K. Miller, Baltimore, Md. Drawer slide. 2,514,664, July 11.
Miller, Michael E., Santa Barbara, Calif. Water and fire tube boiler. 2,522,392, Sept. 12.
Miller, Mike A., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Brazing of light metals. 2,507,346, May 9.
Miller, Milton C., Jr., Los Angeles, and J. B. Lovick, assignors to Trinity Manufacturing Company, Glendale, Calif. Universal mount. 2,524,172, Oct. 3.
Miller, Moses, Brooklyn, N. Y. Automobile door safety locking device. 2,495,860, Jan. 31.
Miller, Neville F., Palmerton, Pa., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Infrared strontium sulfide phosphors. 2,521,124, Sept. 5.
Miller, Park H., Jr.: *See*—
Lewis, Margaret N., and Miller.
Miller, Paul L.: *See*—
Houth, Joseph W., P. L. and F. T.
Miller, Pharis, Mountainside, N. J., and E. Lieber, New York, N. Y., assignors to Standard Oil Development Company. Aluminum salts of alkylated phenol sulfides. 2,493,987, Jan. 10.
Miller Pottery Engineering Company, assignee: *See*—
Miller, William J.
Wahl, Albert J.
Miller, Price B., assignor to Miller Liter Company, Kansas City, Mo. Lighter. 2,515,092, July 11.
Miller, Price B., assignor to Miller Liter Company, Kansas City, Mo. Cigarette lighter assembly. 2,529,094, Nov. 7.
Miller Printing Machine Co., assignee: *See*—
Huffman, Samuel A.
Jenner, Arthur J.
Sinkovitz, Joseph.
Miller Products, assignee: *See*—
Miller, Arthur A.
Miller, Ralph: *See*—
Hixson, Arthur W., and Miller.
Miller, Ralph, Muncie, Ind. Lather-producing device. 2,532,565, Dec. 5.
Miller, Ralph, Woodside, N. Y., assignor to The Chemical Foundation, Incorporated. Fractionation of plant pigments. 2,511,824, June 13.
Miller, Ralph L.: *See*—
Cox, John H., and Miller.
Miller, Raymond C.: *See*—
Allen, Howard G., Thomas, and Miller.
Miller, Raymond E.: *See*—
Stevens, Roy R., and Miller.
Miller, Raymond H., Riverside, R. I., assignor to Federal Products Corporation. Dial indicator control device. 2,526,257, Oct. 17.
Miller, Raymond J.: *See*—
Tweney, George H., and Miller.
Miller, Raymond J., Corry, Pa. Tap chuck with overload coupling. 2,523,584, Sept. 26.
Miller, Raymond J., assignor to Bendix Aviation Corporation, Detroit, Mich. Rotary fluid coupling. 2,500,002, Mar. 7.
Miller, Raymond J., Detroit, Mich. Automatic vicat control of mold extraction. 2,509,692, May 30.
Miller, Raymond J., assignor to American Pattern and Manufacturing Co., Detroit, Mich. Motion-picture projector film feed. 2,511,732, June 13.
Miller, Raymond J., Detroit, Mich. Ignition circuit. 2,531,638, Nov. 28.
Miller, Raymond W.: *See*—
Forcum, Walter E.
Miller, Richard R., Pittsfield, Mass. Radio pulse echo device with alarm actuated by selected echoes. 2,521,016, Sept. 5.
Miller, Robert A., Tarentum, assignor to Pittsburgh Plate Glass Co., Allegheny County, Pa. Emergency closure structure. 2,509,362, May 30.
Miller, Robert E., Bronxville, N. Y. Furniture leg shoe. 2,513,193, June 27.
Miller, Robert E., Bronxville, N. Y. Furniture leg glider. 2,513,194, June 27.
Miller, Robert J.: *See*—
Hetzner, Howard P., and Miller.
Miller, Robert J., Berkeley, assignor to California Research Corporation, San Francisco, Calif. Production of hydroxytoluenes. 2,523,707, Sept. 26.
Miller, Robert J., Franklin, Pa. Pole climber. 2,519,589, Aug. 22.
Miller, Robert J., Franklin, Pa. Grip for pliers. 2,520,808, Aug. 29.
Miller, Robert N., Rosemont, and W. H. Grindall, Narberth, assignors to The Pennsylvania Railroad Company, Philadelphia, Pa. Track cleaning car. 2,505,501, Apr. 25.
Miller, Robert R., Cleveland, Ohio. Power-transmitting attachment. 2,517,910, Aug. 8.
Miller, Robert W., U. S. Navy, and J. K. Wolfe, Bethesda, Md. Distillation of alcohols from dibasic acid diesters. 2,522,529, Sept. 19.
Miller, Ross D., Denver, Colo. Folding card file. 2,529,702, Nov. 14.
Miller, Roy G., Bayside, N. Y. Fluid-tight closure. 2,517,012, Aug. 1.
Miller, Roy G., Tacoma, Wash. Body jack. 2,497,836, Feb. 14.
Miller, Rubia L., National City, Calif. Undergarment. 2,493,357, Jan. 3.
Miller, Rudolph G., and A. Holstrom, Rochester, N. Y., assignors to Stromberg-Carlson Company. Electrical component retaining and shielding means. 2,501,284, Mar. 21.
Miller, Samuel A., and A. R. Hammond, Spondon, near Derby, England, assignors to Celanese Corporation of America. Manufacture of aldol. 2,517,013, Aug. 1.
Miller, Samuel L., and L. W. Amort, Salem, Oreg. Tree planter. 2,530,260, Nov. 14.
Miller, Sidney A., Midway City, Calif. Gas and oil separator. 2,525,233, Oct. 10.
Miller Spreader Corporation, The, assignee: *See*—
Foster, John P.
Miller, Stephen J., Tampa, Fla., assignor to G. G. Harris, Chicago, Ill. Toilet paper roll holder. 2,493,893, Jan. 10.
Miller, Stewart E., Jackson Heights, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Oscillator power output maximizing system. 2,493,011, Jan. 3.
Miller, Stewart M., Westfield, N. J. Electrodynamic pick-up hearing U-shaped coil holder. 2,534,725, Dec. 19.
Miller, Stuart P., Scarsdale, assignor to Allied Chemical & Dye Corporation, New York, N. Y. Preparing hydrogen-nitroxylene mixture suitable for production of xylidine. 2,507,539, May 16.
Miller, Theodore, assignor to George Gorton Machine Co., Racine, Wis. Tracer. 2,500,850, Mar. 14.
Miller, Theodore, assignor to George Gorton Machine Co., Racine, Wis. Apparatus for producing indicia markings on work surfaces. 2,517,502, Aug. 1.
Miller, Theodore, A. Jensen, and R. E. Overturf, assignors to George Gorton Machine Co., Racine, Wis. Inertia controlled machine-tool worktable. 2,508,281, May 16.
Miller, Theodore W., assignee: *See*—
Guthier, Roy E.
Miller, Thomas C.: *See*—
Flint, Einar P., Miller, and Douglass.
Miller, Thomas V., Louisville, Ky. Plant setting machine. 2,520,809, Aug. 29.
Miller, Tobias, Cleveland Heights, Ohio. Magnifying and light concentrating device for telephone dials. 2,509,833, May 30.
Miller, Uri, administrator: *See*—
Snell, Arthur H., and Miller.
Miller, Vere C., Renton, Wash. Thermostatic mixing valve. 2,527,836, Oct. 31.
Miller, Virgil B.: *See*—
Davis, Thomas J., and Miller.
Miller, Walter, Germantown, Ohio. Blood testing table and holding device. 2,507,922, May 16.
Miller, Walter, and J. L. D. Morrison, Benton Harbor, Mich. Record changer spindle. 2,523,045, Sept. 19.
Miller, Walter E., Placentia, assignor, by mesne assignments, to Brogdex Company, Pomona, Calif. Apparatus for handling stacked containers. 2,498,740, Feb. 28.
Miller, Wesley G., assignor to Hays Manufacturing Company, Erie, Pa. Flow control device. 2,508,793, May 23.

Miller, Wilbur A., assignor to International Latex Corporation, Dover, Del. Latex foam or the like sponge rubber pillow. 2,499,965, Mar. 7.
Miller, William, and E. W. Biermann, Ritzville, Wash. Goose decoy. 2,535,445, Dec. 26.
Miller, William A.: *See*—
Franklin, Ralph E., and Miller.
Miller, William A., Port Jefferson, N. Y., assignor to Radio Corporation of America. Object detection system. 2,503,060, Apr. 4.
Miller, William A., Port Jefferson, N. Y., assignor to Radio Corporation of America. Making electrical resistors. 2,511,216, June 13.
Miller, William A., Port Jefferson Station, N. Y., assignor to Radio Corporation of America. Triangular signal generator. 2,522,957, Sept. 19.
Miller, William A., Port Jefferson, N. Y., assignor to Radio Corporation of America. Pulse generator system. 2,524,710, Oct. 3.
Miller, William A., Port Jefferson, N. Y., assignor to Radio Corporation of America. Pulse multiplex receiving system. 2,529,564, Nov. 14.
Miller, William C., Pasadena, Calif. Optical projection system. 2,508,764, May 23.
Miller, William C., Fluvanna, and W. F. Arnett, Snyder, Tex. Livestock separator. 2,504,214, Apr. 18.
Miller, William J., Glendale, Calif. Forceps. 2,518,994, Aug. 15.
Miller, William J., Philadelphia, Pa. Abrasive tool. 2,519,687, Aug. 22.
Miller, William J., Pittsburgh, assignor to Miller Pottery Engineering Company, Swissvale, Pa. Apparatus for conditioning and supplying clay to pottery forming machinery. 2,494,101, Jan. 10.
Miller, William J., Pittsburgh, assignor to Miller Pottery Engineering Company, Swissvale, Pa. Apparatus for feeding plastic ceramic material to molds. 2,497,510, Feb. 14.
Miller, William J., assignor of one-half to D. H. Vrooman, Portland, Oreg. Electric cooking well assembly. 2,527,566, Oct. 31.
Miller, William J., Swissvale, assignor to Miller Pottery Engineering Company, Swissvale, Pa. Apparatus for manufacturing pottery ware. 2,499,602, Mar. 7.
Miller, William J., assignor to Miller Pottery Engineering Company, Swissvale, Pa. Apparatus for preforming clay charges prior to jiggering. 2,506,376, May 2.
Miller, William J., assignor to Miller Pottery Engineering Company, Swissvale, Pa. Method and apparatus for conditioning and supplying clay to pottery forming machinery. 2,506,377, May 2.
Miller, William J., assignor to Miller Pottery Engineering Company, Swissvale, Pa. Apparatus for making jiggered potteryware. 2,506,378, May 2.
Miller, William J., Youngstown, Ohio. Fluid heater. 2,503,883, Apr. 11.
Miller, William J., assignor to Hy-Way Machinery, Incorporated, Youngstown, Ohio. Clamp-on truck hitch. 2,516,067, July 18.
Miller, William O., assignor of one-half to R. E. Cotter, Jr., Oakland, Calif. Closed circuit fluid apparatus for deep well pumping with counterbalance cylinder. 2,526,388, Oct. 17.
Miller, William P.: *See*—
Sadowski, Edward M., and Miller.
Miller, William P., and S. D. Ransburg, Indianapolis, Ind., assignors to Radio Corporation of America. Plastics molding compositions. 2,517,014, Aug. 1.
Miller Wrapping & Sealing Machine Co., assignee: *See*—
Arvidson, Bengt A., and Ruth.
Millers Falls Company, assignee: *See*—
Shortell, William H.
Wilcox, George R.
Milleville, Howard P., Chicago, Ill., assignor of fifty per cent to D. K. Tressler, Westport, Conn. Recovering volatile flavors. 2,513,813, July 4.
Millgard, Hugh J.: *See*—
Clasen, Arthur C., Millgard, and Phelps.
Milligan, Fletcher F., Cleveland, Ohio. Collet with work grippers. 2,534,616, Dec. 19.
Milligan, Harry B., Waveland, Ind. Star watch. 2,532,324, Dec. 5.
Milligan, Lawrence D., Lake Forest, Ill. Broiler. 2,513,580, July 4.
Milligan, Lowell H., assignor to Norton Company, Worcester, Mass. Diamond abrasive wheel. 2,506,163, May 2.
Milligan, Lowell H., assignor to Norton Company, Worcester, Mass. Batt. 2,512,567, June 20.
Milligan, Lowell H., assignor to Norton Company, Worcester, Mass. Batt. 2,515,416, July 18.
Millheisler, John A., Coeur d'Alene, Idaho. Adjustable fingerstall. 2,506,464, May 2.
Millhiser Bag Company, Inc., assignee: *See*—
Golden, Bertie C.
Millikan, Glenn A., Nashville, Tenn., and V. A. Legallais, Philadelphia, Pa., assignors to the United States of America as represented by the Secretary of War. Oxygen generator with integrated initiating device. 2,507,450, May 9.
Milliken, Humphreys, Mount Royal, Quebec, Canada. Air blast circuit breaker. 2,526,387, Oct. 17.
Milliken, Humphreys, Mount Royal, Quebec, Canada. Engine. 2,500,085, Mar 7.
Milliken, Thomas H., Jr., Rose Valley, and E. H. Lebels, Jr., Green Ridge, Pa., assignors to Houdry Process Corporation, Wilmington, Del. Preparation of bead hydrogel and apparatus therefor. 2,533,278, Dec. 12.
Millimaki, William A., and G. M. Schroeder, Waukegan, Ill., assignors to G. M. and A. A. Schroeder, Kenosha, Wis. Luminous tube apparatus. 2,512,835, June 27.
Millington, Alfred F.: *See*—
Mieras, Merritt A., and Millington.
Welch, Lewis W., and Millington.
Millington, John W.: *See*—
Henson, Robert L., Jr., and Millington.
Million, John W., Jr., Indianapolis, Ind., assignor to Radio Corporation of America. Variable permeability tuning device. 2,531,231, Nov. 21.
Million, Lawrence C., Johnsonburg, Pa. Gauge attachment for metal-bending machines. 2,502,056, Mar. 28.
Millis, Keith D., Rahway, N. J., assignor to The International Nickel Company, Inc., New York, N. Y. White cast iron. 2,516,524, July 25.
Millis, Keith D., Rahway, A. P. Gagnebin, Red Bank, and N. B. Pilling, Westfield, N. J., assignors to The International Nickel Company, Inc., New York, N. Y. Production of cast iron and alloy addition agent used in method. 2,529,346, Nov. 7.
Millman, David H., New York, N. Y. Combination skirt and panty. 2,515,608, July 18.
Millman, Jacob, Brookline, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Photoelectric gate control for pulse-echo systems. 2,532,566, Dec. 5.
Millman, Nathan and J. B. Whitley, Macon, Ga., assignors to J. M. Huber Corporation, Locust, N. J. Treating clay. 2,535,647, Dec. 26.
Millprint, Inc., assignee: *See*—
Billeb, Clyde K.
Mills, Albert M., and L. J. Herman, Endicott, assignors to International Business Machines Corporation, New York, N. Y. Stencil controlled printing machine. 2,531,886, Nov. 28.
Mills, Albert W., and F. J. Furman, Endicott, and E. J. Rabenda, Binghamton, assignors to International Business Machines Corporation, New York, N. Y. Paper feeding device. 2,531,885, Nov. 28.
Mills, Donald A. Duluth, Minn. Boot drying tree. 2,529,565, Nov. 14.
Mills, Donald H., assignor to The Magnavox Company, Fort Wayne, Ind. Tuning and push button control. 2,503,121, Apr. 4.
Mills, Donald L., assignee: *See*—
Myers, Herman E.
Mills, Elmer E., Highland Park, Ill. Machine for making hollow articles. 2,515,093, July 11.
Mills Engineering Company, assignee: *See*—
Mills, Herbert E.
Mills, George A.: *See*—
Bond, George R., Jr., and Mills.
Mills, George A., Ridley Park, and E. B. Cornelius, Swarthmore, Pa., assignors to Houdry Process Corporation, Wilmington, Del. Conversion of hydrocarbons with modified clay catalysts. 2,495,751, Jan. 31.
Mills, George A., Swarthmore, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Hydrocarbon conversion with the use of a precipitated and calcined beryllium oxide catalyst. 2,510,994, June 13.
Mills, Gordon F., assignor to Chemical Process Company, San Francisco, Calif. Removing oxygen. 2,515,609, July 18.
Mills, Henry C., assignee: *See*—
Dyal, Gilford E.
Mills, Herbert E., assignor to Mills Engineering Company, Detroit, Mich. Oven door and window unit. 2,535,589, Dec. 26.
Mills, Hiram L., Texas, Tex. Combined slide projector case and mounting with forced air cooling device. 2,493,636, Jan. 3.
Mills, Hiram L., Dallas, Tex. Illuminating means for camera range determining devices. 2,505,983, May 2.
Mills Industries, Incorporated, assignee: *See*—
Steiner, Louis.
Mills, Irwin F., Associates, assignee: *See*—
Beder, Samuel L.
Friedman, Thomas B.
Mills, Jack, assignor to Eli Lilly and Company, Indianapolis, Ind. N-dimethylaminoethylacridan and its acid addition salts. 2,528,162, Oct. 31.
Mills, John E., East Orange, assignor to Excel Automatic Products, Inc., Newark, N. J. Wrapping machine for razor blades or the like. 2,522,234, Sept. 12.
Mills, John P., Wolverhampton, England, assignor to The Timken Roller Bearing Company, Canton, Ohio. Hopper feed apparatus. 2,500,698, Mar. 14.
Mills, John P., Wolverhampton, England, assignor to The Timken Roller Bearing Company, Canton, Ohio. Automatic feed mechanism. 2,535,648, Dec. 26.
Mills Scaffold Company Limited, assignee: *See*—
Macbeth, Allan.
Mills, Victor, assignor to The Proctor & Gamble Company, Cincinnati, Ohio. Production of glycerin and distilled fatty acids. 2,495,071, Jan. 17.
Mills, Victor, Cincinnati, assignor to The Procter and Gamble Company, Ivorydale, Ohio. Continuous hydrogenation of unsaturated oils. 2,520,425, Aug. 29.

Mills, Victor, J. H. Sanders, and H. K. Hawley, Cincinnati, assignors to The Procter and Gamble Company, Ivorydale, Ohio. Continuous hydrogenation of unsaturated fatty acids and fatty esters. 2,520,422, Aug. 29.

Mills, Victor, J. H. Sanders, and H. K. Hawley, Cincinnati, assignors to The Procter and Gamble Company, Ivorydale, Ohio. Partial hydrogenation of unsaturated glyceride oils. 2,520,423, Aug. 29.

Mills, Victor, J. H. Sanders, and H. K. Hawley, Cincinnati, assignors to The Procter and Gamble Company, Ivorydale, Ohio. Continuous hydrogenator. 2,520,424, Aug. 29.

Mills, William R., Pasadena, Calif. Starting gate for horse races. 2,510,828, June 6.

Millstein, Jacob H., Jeannette, Pa. Candy containing novelty. 2,532,729, Dec. 5.

Milne, Douglas D., East Orange, assignor to National Union Radio Corporation, Newark, N. J. Remote-control arrangement for toy vehicle systems. 2,521,240, Sept. 5.

Milne, James W.: *See*—
Hansen, Norman A., Milne, and Risser.

Milne, John S., assignor to Sears, Roebuck and Co., Chicago, Ill. Pencil sharpener. 2,523,663, Sept. 26. 2,525,264, Oct. 10.

Milne, Robert T., Sappington, Mo. Cap pistol. 2,507,805. May 16.

Milne, Winford G., assignor to N. Slater Company, Limited, Hamilton, Ontario, Canada. Pole top pin. 2,500,995, Mar. 21.

Milne, Winford G., assignor to N. Slater Company, Limited, Hamilton, Ontario, Canada. Retrieving carriage for span brackets. 2,500,996, Mar. 21.

Milner, Bertram, assignor to Litwin & Sons, Inc., Cincinnati, Ohio. Spring plug for watch band attachments. 2,536,007, Dec. 26.

Milner, Christopher J.: *See*—
Davies, Leonard J., Rushforth, Sinclair, and Milner.

Milner, Edwin E., Muncie, Ind. Motorboat equipment. 2,498,113, Feb. 21.

Milner, Harry L., Cheltenham, assignor to Rotol Limited, Gloucester, England. Gauge for airfoils. 2,523,226, Sept. 19.

Milner, William A., Albany, and W. C. Bennett, Delmar, N. Y. Device for sharpening hollow surgical needles.

Milnes, Henry R., Bingley, England. Alkaline storage battery. 2,527,888, Oct. 31.

Millson, Henry E.: *See*—
Amick, Chester A., Watkins, and Millson.
Watkins, Willard H., Millson, and Amick.

Millson, Henry E., Plainfield, C. A. Amick, and W. H. Watkins, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y. Metachrome dyeing procedure. 2,520,105, Aug. 22.

Millstein, Jacob H., Jeannette, Pa. Combination candy-filled musical toy and bank. 2,529,661, Nov. 14.

Miloche, Herman A., Teaneck, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical terminal. 2,503,559, Apr. 11.

Miloche, Herman A., Teaneck, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signal code translator. 2,528,161, Oct. 31.

Milone, Charles R., Cuyahoga Falls, assignor to Wingfoot Corporation, Akron, Ohio. Interpolymers of diallyl esters of diethyl ether-dicarboxylic acids. 2,515,132, July 11.

Milone, Charles R., Cuyahoga Falls, assignor to Wingfoot Corporation, Akron, Ohio. Allyl esters of aminoaryl-carboxylic acids. 2,522,393, Sept. 12.

Milprint, Inc., assignee: *See*—
Rosen, Shy.

Milstein, Arthur L.: *See*—
Davis, Stanley H., Middlesworth, and Milstein.

Milstein, Herman, Los Angeles, Calif. Toy pistol. 2,513,041, June 27.

Milster, Arthur N., Ferguson, assignor to Wagner Electric Corporation, St. Louis, Mo. Stop meter. 2,495,340, Jan. 24.

Milster, Arthur N., Ferguson, assignor to Wagner Electric Corporation, St. Louis, Mo. Recording decelerometer. 2,499,667, Mar. 7.

Miltenberg, Leonard, New York, and J. L. Beckoff, Brooklyn, assignors to Normilart Corporation, New York, N. Y. Electrical educational question and answer game. 2,507,215, May 9.

Miltner, Bernard F., Solon, Iowa. Hog ringer. 2,502,873, Apr. 4.

Milton, Clare L., Jr., Akron, Ohio, assignor to the United States of America as represented by the Secretary of the Army. Making multipiece molds. 2,495,276, Jan. 24.

Milton, Paul E., Johnstown, Colo. Planter. 2,496,885, Feb. 7.

Milton, Paul E., Johnstown, Colo. Seed ejector for rotary trap chamber type seed planters. 2,535,222, Dec. 26.

Milwaukee Gas Specialty Company, assignee: *See*—
Engholdt, Richard K.
Marvin, Philip R.
Matthews, Russell.
Thornbery, John H.
Witzel, Ernst.

Milwaukee Lace Paper Company, assignee: *See*—
Hamilton, Kenneth C.

Milwaukee Lock & Mfg. Co., assignee: *See*—
Christian, Ray H.

Milwitt, William, Perth Amboy, N. J., and E. H. Schoenfeld, Mamaroneck, N. Y., assignors to Radio Corporation of America. Cathode-ray beam deflection circuit. 2,508,926, May 23.

Mimar Products, Inc., assignee: *See*—
Molmans, Gertrude.

Mims, Lawrence W.: *See*—
McConnell, Nealy C., Mims, Poole, and Lanier.

Mina, George P.: *See*—
Clark, John R., and Mina.

Minaker, Herbert L., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Fish cutting and cleaning machine. 2,521,241, Sept. 5.

Minarik, Rudolf G., Neenah, Wis., assignor to International Cellucotton Products Company, Chicago, Ill. Rotary pad cutting machine and method. 2,525,042, Oct. 10.

Minasola, John A., Grand Rapids, Mich. Breech bolt reciprocating mechanism. 2,501,137, Mar. 21.

Minco Products Corp., assignee: *See*—
Minkow, Julius M.

Minder, William G., Atlanta, Ga. Wheel balancing device. 2,499,770, Mar. 7.

Minds, James E., assignee: *See*—
Russell, Benjamin F.

Mine Safety Appliances Company, assignee: *See*—
Hornsby, Fred A., Jr.
Jackson, Carey B., and Van Andel.
McMillan, William R.
Perrin, Paul C., and Sharbaugh.
Sanderson, John P., Paulus, and Yant.
Strange, John P.
Windsor, Frederick N.
Yant, William P., and Cotabish.

Mine and Smelter Supply Company, The, assignee: *See*—
Adams, James A.

Miner, Burt N., assignor to St. Louis Fly Ash Elimination Company, St. Louis, Mo. Fly ash eliminator. 2,508,618, May 23.

Miner, Carroll R., Stratford, Conn., assignor to General Electric Company. Remote-control system. 2,495,917, Jan. 31.

Miner, Carroll R., Stratford, Conn., assignor to General Electric Company. Hum eliminating circuit for phonograph pickups. 2,511,665, June 13.

Miner, Charles H., Denver, Colo. Variable-speed clutch pulley. 2,496,061, Jan. 31.

Miner, Donald B., Stratford, Conn. Electric resistance water heater. 2,519,920, Aug. 22.

Miner, Floyd E., Lombard, Ill. Clutch device. 2,506,935, May 9.

Miner, John D., Jr., Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Direct-current generator. 2,519,272, Aug. 15.

Miner, John D., Jr., Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Direct-current generator. 2,530,982, Nov. 21.

Miner, Robert G.: *See*—
Ringquist, Clarence L., and Miner.

Miner, Robert S., Jr., Rahway, and L. E. Klekamp, Jr., East Orange, assignors to Tung-Sol Lamp Works, Inc., Newark, N. J. Plating metals with zirconium. 2,510,128, June 6.

Miner, Russell C., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electroacoustic transducer. 2,522,530, Sept. 19.

Miner, W. H., Inc., assignee: *See*—
Dath, George E.
Dath, George E., and Anderson.
Dentler, Arnold E.
Forssell, Eric G.
Fuchs, Henry.
Haseltine, Stacy B.
Lehman, Edward H.
Link, John H.
Marquardt, Leonard A.
Olander, Roland J.
Robertson, William E.
Tillou, Richard G.

Miner, William W., Jr., R. Owens, and N. Ray, Verdon, Nebr. Rotor structure for hay manglers or grinders. 2,508,682, May 23.

Minerals Limited, assignee: *See*—
Moyd, Louis.

Minerec Corporation, assignee: *See*—
Fischer, Arthur H.

Minerva, John, and M. Lopez, Brooklyn, assignors to Pressure Coffee Maker's Corporation, New York, N. Y. Rapid coffee maker. 2,493,306, Jan. 3.

Minerva Wax Paper Company, assignee: *See*—
Gluck, Fred C.

Mingaud, Leon, assignee: *See*—
Baron, Flory.

Mingea, John, Long Island City, N. Y. Facial invigorating mask. 2,504,142, Apr. 18.

Mingo, Herbert E., Coventry, assignor of one-half to T. R. Sneyd-Kynnersley, Mayfield, England. Device for the handling of trunks, suitcases, and the like. 2,509,575, May 30.

Minister of Supply, in His Majesty's Government of the United Kingdom of Great Britain and Northern Ireland, assignee: *See*—
Blackett, Patrick M. S., and Braddick.
Bowen, Edward G., Taylor, and Budden.
Franklin, Ernest.
Gill, Moore, Rosin, and Williamson.
Hartley, Arthur C., Brown, Callendar, Fehling, Fox, Johnson, William A.
Marshall, John N.
Preist, Donald H.
Wells, Frank H.

Minkow, Julius M., assignor to Minco Products Corp., New York, N. Y. Gluing machine. 2,511,781, June 13.

Minkowitz, George, New York, N. Y. Clutch and brake mechanism. 2,493,894, Jan. 10.

Minneapolis-Honeywell Regulator Company, assignee: *See*—
Allwein, Aloysius F.
Arbogast, Raymond D.
Barnes, George W., Jr.
Barnes, George W., Jr., Goetz, and Wills.
Berkholder, George H.
Bielski, Alexander J.
Booth, John G.
Borell, George L.
Burdick, Edwin C.
Caine, Gerard H.
Caldwell, John A.
Clarke, Herbert A.
Cox, Linvell A.
Crum, Stephen.
Crum, Stephen, and Sandhoff.
Cuckler, Lee E.
Cyr, Benjamin.
Dahline, Lawrence J.
Drow, Donald F.
Eckman, Donald P.
Eichhorn, Charles W.
Ergen, William K.
Field, William J.
Fisher, George H.
Franzel, Richard M.
Frick, George P.
George, Nils N., and Kline.
Harrison, Thomas R.
Harrison, Thomas R., and Cherry.
Hartung, Charles A.
Hoch, Robert G.
Joesting, Frederick D.
Jordan, Arthur H.
Kaminky, Oscar H.
Keegan, James H., and Eckman.
Keyser, Allen H.
Kliever, Waldo H.
Kliever, Waldo H., and Johnson.
Koontz, Lamont B.
Krogh, Anker E.
Kronmiller, Carl G.
Kuhlemeier, Herbert H.
Kuhlmann, John H.
Kuntny, Gregor W.
Kutzler, Robert J.
Kutzler, Robert J., and Wilson.
Lange, Frederick E.
Maienshein, John F.
Malek, Sidney K.
Markusen, David L.
Mattern, Raymond P.
Moxness, Sven K.
Newton, Alwin B.
Odell, Malcolm P.
Offutt, Elmer B.
Pfeffer, Herman F., and Wagenhals.
Rosche, John O.
Schafer, Curtiss R.
Schmitt, Henry M.
Schoeppel, John F., and Palya.
Shivers, Paul F.
Side, Frederick W.
Simson, Adolf P.
Smith, Edgar M.
Smith, Myron R.
Sparrow, Hubert T.
Stanton, Leonard.
Strother, Fred P., and Coss.
Syrdal, Richard R.
Thorsheim, Joseph O.
Vogelsang, Charles A.
Vollrath, Joseph P.
Wannamaker, William H., Jr.
Wild, Rudolf F.
Wild, Rudolf F., and Darnielle.
Wills, Walter P.
Witts, Glenn H.
Wannamaker, William H., Jr.
Wannamaker, William H., Jr., and Mouzon.

Minneapolis-Moline Company, assignee: *See*—
Ronning, Martin.
Seaholm, John P.

Minneci, Salvatore, Pittsfield, Mass., assignor to General Electric Company. Electric switch contact mounting detail. 2,513,952, July 4.

Minneci, Salvatore, Pittsfield, Mass., assignor to General Electric Company. Electric switch. 2,513,953, July 4.

Minneman, Milton J., Camden, N. J., assignor to Radio Corporation of America. Direct reading radio navigation system. 2,515,464, July 18.

Minners, Uva L., Penrose, N. C. Christmas tree ornament. 2,521,394, Sept. 5.

Minnesota Mining & Manufacturing Company, assignee: *See*—
Boese, Alvin W., and Michl.
Dahlquist, Carl A., Hendricks, and Sohl.
Kellgren, Waldo, and Charpentier.
Parsons, Richard W.
Rumsey, Victor H.
Simons, Joseph H.
Simons, Joseph H., Pearlson, and Brice.
Simons, Joseph H., Pearlson, and James.
Waterman, Hebert.
Willson, Francis G., Forster, and Roberts.

Minnesota and Ontario Paper Company, assignee: *See*—
Barrett, William H., and Asdell.
Barrett, William H., and Zimmerman.
Kimball, Arthur E.

Minniear, Herbert C., assignor to Pierce Governor Company, Anderson, Ind. Velocity governor compensating device. 2,512,211, June 20.

Minich, Arthur, Westfield, assignor to Nuodex Products Co., Inc., Elizabeth, N. J. Dodecyl amine salt of pentachlorphenol. 2,526,892, Oct. 24.

Minnich, Gilbert A., Elyria, Ohio. Socket wrench cabinet. 2,532,636, Dec. 5.

Minnich, Stehman S., assignor to The Patrol Valve Company, Cleveland, Ohio. Concussion relief hood for flash tubes. 2,520,608, Aug. 29.

Minnick, Leonard J., Cheltenham, Pa. Whitening alkaline earth carbonates. 2,520,850, Aug. 29.

Minnis, Harold F., New Philadelphia, Ohio, assignor to Joy Manufacturing Company. Lubricant seal. 2,507,804, May 16.

Minnium, Byron B., and M. L. Crooks, assignors to Erie Resistor Corporation, Erie, Pa. Condenser. 2,523,664, Sept. 26.

Minnium, Byron B., assignor to Erie Resistor Corporation, Erie, Pa. Variable condenser. 2,535,367, Dec. 26.

Minn-Kota Manufacturing Company, assignee: *See*—
Jochim, Anton M.

Minns, Frederick J., S. A. F. Court, and N. E. Langdale, assignors to The Minns Manufacturing Company Limited, Oxford, England. Machine for locating and topping sugar beets and like root crops. 2,510,242, June 6.

Minns Manufacturing Company, The, assignee: *See*—
Minns, Frederick J., Court, and Langdale.

Minot, Georges, Ezanville, France. Method for amplifying small movements and apparatus for the application thereof. 2,507,990, May 16.

Minser, Donald R., assignee: *See*—
Moore, Arleigh R.

Minster, Henry S., Rosemont, Pa., assignor to Roberts & Mander Corporation. Multiple gas burner with pressure-governed valves. 2,494,190, Jan. 10.

Minster, Henry S., Rosemont, Pa., assignor to Roberts & Mander Corporation. Burner assembly. 2,497,787, Feb. 14

Minster Machine Company, The, assignee: *See*—
Ritler, John W.
Wissman, Reuben E.

Mintel, Herbert C., Central Falls, R. I. Ornamentation of a braided rug. 2,512,959, June 27.

Minter, Clarke C., Washington, D. C., assignor to Minter Instrument Corporation, New York, N. Y. Electrical piezometer apparatus. 2,515,785, July 18.

Minter, Herbert F., and F. J. Nagel, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Resinous products. 2,516,012, July 18.

Minter, Herbert F., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Unsaturated esters and synthetic resinous products produced therewith. 2,524,921, Oct. 10.

Minter, Herbert F., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Hydroxy ester anhydride copolymer. 2,530,983, Nov. 21.

Minter Instrument Corporation, assignee: *See*—
Minter, Clarke C.

Mintner, George E., and A. R. Constantine, assignors to Bendix Home Appliances, Inc., South Bend, Ind. Gas-heated clothes drier. 2,498,172, Feb. 21.

Minton, Leslie A., Portland, Oreg. Detachable electric light fixture. 2,493,684, Jan. 3.

Minton, Leslie A., Portland, Oreg. Egg separator having a pivoted yolk retainer. 2,519,392, Aug. 22.

Minton, Vincent H., Welwyn Garden City, England. Shoe-tree. 2,501,285, Mar. 21.

Mintus, Jack T., Minneapolis, Minn. Attachment for ladders. 2,500,086, Mar. 7.

Mintz, Jack, Jamaica, N. Y. Sun shelter. 2,518,167, Aug. 8.

Mintz, Julius, New York, N. Y. Closure for trousers. 2,499,829, Mar. 7.

Mintzes, Louis, Island Park, N. Y. Shopping bag. 2,532,778, Dec. 5.

Minute, Arthur, administrator: *See*—
Vickery, Frederick W.

Minutillo, Frank, Barnegat, N. J. Cranberry harvester. 2,524,631, Oct. 3.

Minuto, Rene, New York, N. Y. Molding. 2,497,009, Feb. 7.

Miollis, Raymond, Maywood, Ill. Cheese-making method. 2,505,984, May 2.

Mirandi, Eva, assignee: *See*—
Mirandi, Frank W.

Mirandi, Frank W., assignor to E. Mirandi, Yonkers, N. Y. Warning device for vehicles. 2,512,167, June 20.

Mirfield, George E., deceased, and E. H. Connor, Youngstown, Ohio; T. W. Craver, executor of said G. E. Mirfield. Apparatus for conveying and sorting tin plate or the like. 2,520,324, Aug. 29.

Mirossay, Chrysanth M., South Euclid, assignor to The Warner & Swasey Company, Cleveland, Ohio. Machine tool transmission and control therefor. 2,501,286, Mar. 21.

Miscall, Darwin, Penn Yan, N. Y., assignor to The Orr Felt and Blanket Company, Piqua, Ohio. Web carrier and making same. 2,503,629, Apr. 11.

Misener, Joseph A., Niagara Falls, Ontario, Canada. Differential locking device. 2,501,956, Mar. 28.

Mishawaka Rubber and Woolen Manufacturing Company, assignee: *See*—
Bodle, Virgil H., Blair and Dosmann.
Fitterling, Cecil H.
Hoehn, Vincent H.

Misic, Stephen, Berwyn, assignor to Franklin Appliance Company, Chicago, Ill. Food mixer electric motor assembly. 2,499,928, Mar. 7.

Misic, Stephen, Berwyn, assignor to Franklin Appliance Company, Chicago, Ill. Food mixer. 2,525,421, Oct. 10.

Miskel, John J., Brooklyn, N. Y., and L. Rassner, North Bergen, assignors to Nopco Chemical Company, Harrison, N. J. Lotion shampoo. 2,519,062, Aug. 15.

Miskella, William J., Cleveland, Ohio. Combination paint booth and baking oven. 2,498,339, Feb. 21.

Miskin, Arthur R., assignee: *See*—
Miskin, Merlin R.

Miskin, Merlin R., assignor to Arthur R. Miskin, Ucon, Idaho. Wheeled earth scraper. 2,514,782, July 11.

Miskovsky, Anton: *See*—
Zimic, Michael, and Miskovsky.

Miskowski, Thomas A.: *See*—
Schulz, Eugene, Sr., and Mishowski.

Missiaen, Maurice F.: *See*—
Bateman, Norman S., and Missiaen.

Mission Manufacturing Company, assignee: *See*—
Kirkpatrick, Ruel and Young.
Young, Henry B.

Mississippi Valley Research Laboratories, Inc., assignee: *See*—
Adams, Kenneth H., and Doelling.
Doelling, George L., and Adams.

Missouri Automatic Control Corporation, assignee: *See*—
Rennecamp, Clarence C.
Bower, George D.
Cobb, Clifton A.
Norris, John W.
Pratt, Ryder.
Roos, Joe, Jr.

Missouri Jewelite Sign Company, assignee: *See*—
Meyer, Walter C.

Mistretta, Vincent F.: *See*—
Mottern, Henry O., and Mistretta.

Mistretta, Vincent F., Fanwood, and H. G. Schneider, Westfield, N. J., assignors to Standard Oil Development Company. Recovery of secondary alcohols from acid extracts. 2,502,978, Apr. 4.

Mitchel, Edward W., assignor to H. W. Broadwell, Detroit, Mich. Spark plug. 2,519,273, Aug. 15.

Mitchell, Arch L., Oakland, Calif., assignor of two-tenths to D. M. Clifford and five-tenths to K. R. Clifford. Method and machine for forming pipe from flat sheets. 2,515,786, July 18.

Mitchell, Arthur G., assignor to A. C. Cossor Limited, London, England. Deposition of materials by sedimentation. 2,528,384, Oct. 31.

Mitchell, August, assignor to Cresale Incorporated, Waterbury, Conn. Vest pocket flashlight. 2,528,701, Nov. 7.

Mitchell Camera Corporation, assignee: *See*—
Fairbanks, Henry N.
Fairbanks, Henry N., and Eisler.
Jedeka, Lloyd W.
Mitchell, George A., and Manderfeld.

Mitchell Canneries, Inc., assignee: *See*—
Thompson, John I., and Flowers.

Mitchell, Donald H., Chicago, Ill., assignor to Motorola, Inc. Aircraft antenna. 2,511,363, June 13.

Mitchell, Donald H., Chicago, Ill., assignor to Motorola, Inc. Portable radio device. 2,533,493, Dec. 12.

Mitchell, Doren: *See*—
McDavitt, Marcellus B., and Mitchell.

Mitchell, Doren, Martinsville, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmission system. Re. 23,313, Dec. 26.

Mitchell, Doren, Martinsville, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system. 2,505,566, Apr. 25.

Mitchell, Doren, Martinsville, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signal code translator. 2,519,688, Aug. 22.

Mitchell, Doren, Martinsville, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Magnetic recorder and transmitter. 2,527,145, Oct. 24.

Mitchell, Doren, Martinsville, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Carrier communication system. 2,535,446, Dec. 26.

Mitchell, Edward: *See*—
Humphrey, Earl L., and Mitchell.

Mitchell, Francis H., Philadelphia, Pa. Grooving tool. 2,508,183, May 16.

Mitchell, Frederick G., assignee: *See*—
Rule, Tom E.

Mitchell, George A., Pasadena, and E. C. Manderfeld, Los Angeles, assignors to Mitchell Camera Corporation, Glendale, Calif. Gear train for kinetographic projectors and similar mechanisms. 2,513,195, June 27.

Mitchell, George A., Spring Lake, Mich. Noise shield for hearing aids. 2,504,342, Apr. 18.

Mitchell, George E.: *See*—
Carroll, Fred M., and Mitchell.

Mitchell, Harold R., Bemidji, Minn. Automobile clothes hanger support. 2,493,158, Jan. 3.

Mitchell, Harry A., Sycamore, assignor of one-half to E. W. Dahlgren, Rockford, Ill. Folding leg table with actuator mechanism. 2,533,173, Dec. 5.

Mitchell, Harry F., and O. L. Gilbert, Mineral Wells, Tex. Christmas tree holder. 2,517,332, Aug. 1.

Mitchell, Henry T., South Ruislip, and T. Kilvington, Wembley, England. Radio beacon system. 2,502,662, Apr. 4.

Mitchell, Iverson O., Jr., Washington, D. C. Adjustable article support. 2,533,494, Dec. 12.

Mitchell, Jack H., Jr., Birmingham, Ala., assignor to Stevens Industries, Inc., Dawson, Ga. Aqueous nut emulsion. 2,511,119, June 13.

Mitchell, James A., Little Rock, Ark. Power pump jack. 2,502,057, Mar. 28.

Mitchell, James C., Norfolk, Va., assignor of one-half to R. B. Mitchell, Detroit, Mich. Table baseball game. 2,534,468, Dec. 19.

Mitchell, John: *See*—
Stewart, Daniel W., Jr., Mitchell, and Matthews.

Mitchell, John, Chicago, Ill. Display device for house numbers and the like. 2,511,411, June 13.

Mitchell, John C. E., Montreal, Quebec, Canada, assignor to Radio Corporation of America. Frequency shift receiver. 2,507,730, May 16.

Mitchell, John C. E. Montreal, Quebec, Canada, assignor to Radio Corporation of America. Restoring device for locking circuits. 2,515,052, July 11.

Mitchell, John, North Vancouver, British Columbia, Canada. Gauging and setting jig for inside and outside calipers. 2,521,934, Sept. 12.

Mitchell, John E., Indianapolis, Ind. Swiveled stepped bobbin fishing reel. 2,535,746, Dec. 26.

Mitchell, Joseph A., Bowie, Tex. Dentifrice-dispensing toothbrush. 2,503,349, Apr. 11.

Mitchell, Lee W., assignor to The Gates Rubber Company, Denver, Colo. Power transmission belt cover. 2,519,590, Aug. 22.

Mitchell, Lee W., assignor to The Gates Rubber Company, Denver, Colo. Filament reinforcing means for rubber articles. 2,522,722, Sept. 19.

Mitchell, Lloyd J., Berkeley, and H. J. Sommer, La Fayette, assignors to Shell Development Company, San Francisco, Calif. Asphalt bituminous bonding composition and preparation. 2,534,828, Dec. 19.

Mitchell, Melville J.: *See*—
Millard, Lee P., and Mitchell.

Mitchell Novelty Company, assignee: *See*—
Beck, Joseph E.

Mitchell, Paul J., Jr., Griffin, Ga., assignor, by mesne assignments, to The Procter & Gamble Company, Cincinnati, Ohio. Manufacture of nut butter. 2,521,243, Sept. 5.

Mitchell, Paul J., Jr., Sunnyside, Ga., assignor, by mesne assignments, to The Procter & Gamble Company, Cincinnati, Ohio. Permanently pumpable oleaginous suspension. 2,521,242, Sept. 5.

Mitchell, Presse B., Longview, Tex. Pipe aligning tool. 2,522,459, Sept. 12.

Mitchell, Reginald F., Mount Vernon, N. Y. Motion-picture camera having coupled drive and masking means for taking different size exposures. 2,528,840, Nov. 7.

Mitchell, Reginald G., H. C. Tait, C. L. Gilbert, and W. David, London, England, assignors to Shell Development Company, San Francisco, Calif. Emulsions. 2,512,435, June 20.

Mitchell, Richard B., assignee: *See*—
Mitchell, James C.

Mitchell, Robert, Company, Limited, The, assignee: *See*—
Bunker, Harry A.
Hardie, James H.
Snowball, Robert.

Mitchell, Robert W., Morristown, N. J., assignor to B. B. Chemical Co., Boston, Mass. Flocking cement and method of flocking. 2,511,171, June 13.

Mitchell, Rollie H., Huntington Park, and W. R. McKay, Compton, Calif., assignors to John Deere Killefer Company. Disk harrow. 2,506,807, May 9.

Mitchell, Roscoe A., Corpus Christi, Tex. Rat hole digger. 2,522,795, Sept. 19.

Mitchell, Thomas W., assignor of 49 percent to R. C. Marrs, St. Louis, Mo. Guitar body construction. 2,498,926, Feb. 28.
Mitchell, Thomas W., assignor of forty-nine per cent to R. C. Marrs, St. Louis, Mo. Tuning device for guitars. 2,523,963, Sept. 26.
Mitchell, Thomas W., assignor of forty-nine per cent to R. C. Marrs, St. Louis, Mo. String operated magneto-electric musical instrument. 2,528,663, Nov. 7.
Mitchell, Wallace F., Chicago, assignor to Ammco Tools, Inc., North Chicago, Ill. Connecting rod aligning and supporting fixture. 2,500,087, Mar. 7.
Mitchell, Wallace F., assignor to M B G Corporation, Chicago, Ill. Fluid coupling. 2,509,444, May 30.
Mitchell, Walter C., Whittier, Calif. Utility shelf for filing cabinets. 2,504,343, Apr. 18.
Mitchell, Walter F., Eugene, Oreg. Sawmill arrangement. 2,527,024, Oct. 24.
Mitchell, Walter G., Aurora, assignor to Independent Pneumatic Tool Company, Chicago, Ill. Governor for portable tools. 2,504,441, Apr. 18.
Mitchell, Walter G., Aurora, assignor to Independent Pneumatic Tool Company, Chicago, Ill. Hose securing means. 2,522,684, Sept. 19.
Mitchell, Walter G., Aurora, assignor to Independent Pneumatic Tool Company, Chicago, Ill. Bushing for pneumatic hammers. 2,527,757, Oct. 31.
Mitchell, Wilbur A. E., assignee: *See*— Kuper, Elmer H.
Mitchell, Wiley D., Highgrove, Calif. Churn and adapter therefor. 2,504,862, Apr. 18.
Mitchell, William A., Cedar Grove, N. J., assignor to General Foods Corporation, New York, N. Y. Preparation of flour bleaching compositions. 2,535,313, Dec. 26.
Mitchell, William F., St. Paul, Minn., assignor to Grip Nut Company, Chicago, Ill. Hanger attachment for railway trucks. 2,503,403, Apr. 11.
Mitchell, William F., assignor of one-third to G. W. Abernathy, Arcadia, one-third to B. M. Laulhere, Los Angeles, Calif., one-sixth to B. M. Laulhere, Jr., and one-sixth to L. F. Dishman. Apparatus for spraying plastic material. 2,521,179, Sept. 5.
Mitchel-Tyler Company, The, assignee: *See*— Porter, Harold M.
Mitex Camera Company, assignee: *See*— Neyhart, Arthur P.
Mitman, Harry A., and R. N. Evans, assignors to Masonite Corporation, Laurel, Miss. Lignin resins and making same. 2,521,532, Sept. 5.
Mitnick, Jacob J., assignor of one-half to H. E. Epstein, Chicago, Ill. Fruit juice extractor. 2,526,258, Oct. 17.
Mitschke, August D.: *See*— Cameron, Emmet G., Keiper, and Mitschke, Burlingame, and Ferguson.
Mitson, Charles H., and E. E. Loening, Wealdstone, England, assignors to Eastman Kodak Company, Rochester, N. Y. Photolithographic printing materials. 2,494,053, Jan. 10.
Mittelmann, Eugene, Chicago, Ill. Wattmeter. 2,523,476, Sept. 26.
Mittendorf, William F., Needham, assignor to D. E. Makepeace Company, Attleboro, Mass. Earring. 2,510,511, June 6.
Mittermaier, Armin F., Fort Wayne, Ind., assignor to General Electric Company. Forming stacked magnetic cores. 2,494,349, Jan. 10.
Mittermaier, Armin F., Fort Wayne, Ind., assignor to General Electric Company. Core clamp. 2,494,350, Jan. 10.
Mittermaier, Armin F., Fort Wayne, Ind., assignor to General Electric Company. Electric induction apparatus. 2,521,533, Sept. 5.
Mittman, Carl F., Buffalo, N. Y. Hop strainer. 2,529,882, Nov. 14.
Mitton, Harold, Drummond, Mont. Ventilator system for water closets. 2,516,476, July 25.
Mix, Alva L., Boonville, Mo. Box mount and grader. 2,512,805, June 27.
Mix, Edwin S., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Strap construction. 2,513,886, July 4.
Mix, Irving L., assignor to Eastman Kodak Company, Rochester, N. Y. Foot switch. 2,511,217, June 13.
Mixer, Harold P., Rockville Centre, assignor to Remington Rand Inc., New York, N. Y. Successive sensing device for tabulators. 2,516,013, July 18.
Mixer, Harold P., Rockville Centre, assignor to Remington Rand Inc., New York, N. Y. Crawl carry mechanism. 2,518,358, Aug. 8.
Mixer, Harold P., Rockville Centre, assignor to Remington Rand Inc., New York, N. Y. Selective naught block mechanism for card operated machines. 2,535,151, Dec. 26.
Mixon, Benjamin H., Roswell, N. Mex. Brassière with improved stay means. 2,508,580, May 23.
Mixon, Lawson W.: *See*— Mattano, Leonard A., and Mixon. Roberts, Edward N., and Mixon. Watson, Roger W., and Mixon.
Mixon, Lawson W., and E. N. Roberts, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Reacting phosphorus sulfide and olefinic hydrocarbon. 2,507,731, May 16.
Miyagi, Takeo, Waipahu, Territory of Hawaii. Sugar-cane harvesting machine. 2,501,533, Mar. 21.
Mize, Paul D., Detroit, Mich. Apparatus for applying solid resilient tires containing a central wire to grooved wheels. 2,528,070, Oct. 31.
Mize, Thomas H., trustee, assignee: *See*— Daugherty, Fount F.
Mizen, Carlton A., Cambridge, Mass., assignor to the United States of America as represented by the Secretary of War. Pulse stretching circuit. 2,519,778, Aug. 22.
Mizzy, Inc., assignee: *See*— Roehr, Zbislaw M.
Moak, Ottis W.: *See*— Duassat, Russell L., and Moak.
Moberg, Sigurd M., West Orange, assignor to E. J. Brooks Company, Newark, N. J. Wire-cutting accessory for tools. 2,505,502, Apr. 25.
Moberg, Torsten F., assignee: *See*— Palm, Anders O.
Moberly, Charles W., Bartlesville, Okla., assignor to Phillips Petroleum Company. Lecithin stabilizer for DDT petroleum solutions. 2,516,477, July 25.
Moberly, Lawrence E., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Impregnating carbon brushes. 2,512,362, June 20.
Moberly, Lawrence E., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Impregnating carbon brushes. 2,530,984, Nov. 21.
Mobile Communication Company, assignee: *See*— Grove, Howard G.
Moburg, Almer L., Los Angeles, Calif. Sign holder for cans. 2,524,922, Oct. 10.
Moburg, Harold W., assignee and trustee: *See*— Hedenburg, Oscar F.
Moch, Meyer, Jamaica, N. Y. Can-stacking device. 2,526,259, Oct. 17.
Mochel, John M., assignor to Corning Glass Works, Corning, N. Y. Refractory composition. 2,498,622, Feb. 21.
Mochel, John M., assignor to Corning Glass Works, Corning, N. Y. Producing electrically conducting coatings on glass and mica sheets. 2,522,531, Sept. 19.
Mock, Delbert N., Haxtun, Colo. Corn picker. 2,501,782, Mar. 28.
Mock, Edward J., Harrisburg, Oreg. Trailer hitch. 2,531,859, Nov. 28.
Mock, Frank C., assignor to Bendix Aviation Corporation, South Bend, Ind. Charge forming device. 2,500,088, Mar. 7.
Mock, Frank C., assignor to Bendix Aviation Corporation, South Bend, Ind. Auxiliary charge regulating device. 2,509,648, May 30.
Mock, Frank C., South Bend, Ind., and H. H. Thurston, St. Joseph, Mich., assignors to Bendix Aviation Corporation, South Bend, Ind. Combustion chamber with shielded fuel nozzle. 2,517,015, Aug. 1.
Mock, Frank C., assignor to Bendix Aviation Corporation, South Bend, Ind. Fuel feeding system for engines. 2,531,780, Nov. 28.
Mock, Harry W., Tulsa, assignor, by mesne assignments, to Ernest Budy, Miami, Okla. Clothesline tightener. 2,519,921, Aug. 22.
Mock, Wesley C., Jr., Olmsted Falls, Ohio. Antenna construction. 2,512,725, June 27.
Mockel, Frederick A., U. S. Army, Kettle Falls, Wash. Lighttight cigarette holder. 2,510,995, June 13.
Model Crafters Inc., assignee: *See*— Allen, William M., and Anderson.
Modern Collet and Machine Co., assignee: *See*— Parigian, Albert A.
Modern Controls, Inc., assignee: *See*— Smeltzly, Harold K.
Modern Design Products Company, assignee: *See*— Magnesen, Charles D.
Modern Equipment Company, assignee: *See*— Goldberg, Max W.
Modesto, James V., Chicago, Ill. Fishhook guard. 2,522,292, Sept. 12.
Modine Manufacturing Company, assignee: *See*— Arnold, Arthur B. Simpelaar, Clyde S.
Modlin, Franklin E., assignor of one-third to G. A. Brightwell and one-third to W. K. Martin, Fort Worth, Tex. Gas-burning heater and air circulating fan. 2,515,525, July 18.
Modlish, Gus P., assignee: *See*— Adams, Mozel A.
Modlowski, Peter M., Fall River, and A. M. Skudre, Somerset, Mass., assignors to Raytheon Manufacturing Company. Distance measuring device. 2,499,520, Mar. 7.
Modrey, Henry J., Newark, N. J. Electrical connector with double-action sleeve. 2,508,767, May 23.
Modrey, Henry J., Newark, N. J. Slide fastener lock. 2,530,438, Nov. 21.
Moe Brothers Manufacturing Company, assignee: *See*— Sayers, Frederick. Stuart, Charles J.
Moe, Herman, Warwick, R. I., assignor to Ashaway Line & Twine Mfg. Co. Gauge for linear materials. 2,515,787, July 18.
Moe, J. Edgar, assignor to The Bullard Clark Company, Danielson, Conn. Cushion lug strap. 2,495,198, Jan. 17.

Moe, J. Edgar, assignor to The Bullard Clark Company, Danielson, Conn. Drop box picker. 2,522,885, Sept. 19.
Moe, J. Edgar, assignor to The Bullard Clark Company, Danielson, Conn. Picker. 2,534,203, Dec. 12.
Moe, Owen A.: *See*—
Warner, Donald T., and Moe.
Moe, Owen A., Minneapolis, Minn., assignor to General Mills, Inc. Polyhydroxyalkyl ethers of carbohydrate gums. 2,496,670, Feb. 7.
Moe, Owen A., Minneapolis, Minn., assignor to General Mills, Inc. Carboxyalkyl ethers of carbohydrate gums. 2,520,161, Aug. 29.
Moe, Owen A., Minneapolis, Minn., assignor to General Mills, Inc. Esters of hydroxyalkyl ethers of carbohydrate gums. 2,523,708, Sept. 26.
Moe, Owen A., Minneapolis, Minn., assignor to General Mills, Inc. High-viscosity starch ethers and preparing same. 2,523,709, Sept. 26.
Moe, Owen A., and D. T. Warner, Minneapolis, Minn., assignors to General Mills, Inc. Aldehydes. 2,508,927, May 23.
Moe, Owen A., and D. T. Warner, Minneapolis, Minn., assignors to General Mills, Inc. Synthesis of tryptophane and related compounds. 2,516,332, July 25.
Moe, Owen A., and D. T. Warner, Minneapolis, Minn., assignors to General Mills, Inc. Addition compounds of cinnamaldehyde and certain malonic and cyanoacetic esters. 2,523,710, Sept. 26.
Moe, Owen A., and D. T. Warner, Minneapolis, Minn., assignors to General Mills, Inc. Synthesis of beta-substituted propionaldehydes. 2,527,837, Oct. 31.
Moe, Robert E., Bridgeport, Conn., assignor to General Electric Company. Synchronized pulse generator. 2,513,954, July 4.
Moe, Robert E., Syracuse, N. Y., assignor to General Electric Company. Pulse discriminating circuits. 2,529,172, Nov. 7.
Moe, William W., Stratford, Conn., assignor to Time, Inc., New York, N. Y. Signal compression circuit. 2,517,586, Aug. 8.
Moebes, August and Albert Briggs, Sr., Vallejo, Calif. Automatic ejector for keys. 2,498,288, Feb. 21.
Moecker, Henry, Jr., W. H. Frick, E. M. Meacham and H. K. White, Cleveland, Ohio, assignors to American Stove Company, St. Louis, Mo. Double ring burner with combined aeration and collection tray. 2,498,289, Feb. 21.
Moehl, Reno W.: *See*—
Webb, Glenn M., and Moehl.
Moeller, Constand A., Orange, assignor to United Aircraft Corporation, East Hartford, Conn. Pontoon. 2,494,445, Jan. 10.
Moeller, Edward G., Davenport, Iowa. Drape-supporting crane. 2,531,822, Nov. 28.
Moeller, George J.: *See*—
Oborholtz, Anthony, and Moeller.
Moeller, George J., Altadena, assignor to A. Oberholtz, Los Angeles, Calif. Safety damper preventing heat emanation from abnormal positioned heaters. 2,534,556, Dec. 19.
Moeller, William C., assignor to A. F. Parmalee, doing business as United States Safety Service Co., Kansas City, Mo. Eyeshield temple connection. 2,513,507, July 4.
Moen, Alfred M., Seattle, Wash. Shower head. 2,529,223, Nov. 7.
Moen, Melvin F., Waukesha, Wis. Toilet. 2,503,962, Apr. 11.
Moen & Patton, Inc., assignee: *See*—
Moen, Richard H., and Patton.
Moen, Ragnar E. L.: *See*—
Helland, John G., and Moen.
Moen, Richard H., Millersville, and M. E. Patton, Elizabethtown, assignors to Moen & Patton, Inc., Lancaster, Pa. Display card convertible into a toy hat. 2,521,017, Sept. 5.
Moench, Paul, Brooklyn, assignor to Fisher Accessories Corporation, New York, N. Y. Lifting jack. 2,513,246, June 27.
Moergeli, Eduard, Neuewelt, P. Sutter, Binningen, and W. Kern, Sissah, assignors to Ciba Limited, Basel, Switzerland. Quinazoline derivatives and making same. 2,530,025, Nov. 14.
Moersch, George W., and A. C. Moore, assignors to Parke, Davis & Company, Detroit, Mich. Obtaining organic amino diols. 2,513,346, July 4.
Moessinger, Albert, assignor to Sulzer Freres, Societe Anonyme, Winterthur, Switzerland. Device for gripping and holding a weft thread in nipper looms. 2,519,274, Aug. 15.
Moff, Herbert R., Amherst, Ohio. Folding structure. 2,511,364, June 13.
Moffatt, Elbert M., Glastonbury, assignor to United Aircraft Corporation, East Hartford, Conn. Gas temperature probe of the thermocouple type. 2,496,806, Feb. 7.
Moffatt, Elbert M., Glastonbury, assignor to United Aircraft Corporation, East Hartford, Conn. Gas probe of the thermocouple type. 2,496,807, Feb. 7.
Moffett, Ewell, Palmdale, Calif. Fishing leader dispenser. 2,533,495, Dec. 12.
Moffett, Frank W., Jr., Gates, N. Y. Making edible dishes. 2,508,724, May 23.
Moffett, Robert B.: *See*—
Goodson, Louis H., and Moffett.
Moffett, Robert B., Kalamazoo, Mich., and C. A. Hart, assignors to George A. Breon and Company, Kansas City, Mo. Cyclopentyl-isobutyl-acetic acid. 2,535,085, Dec. 26.
Moffett, Robert B., Kalamazoo, Mich., and C. A. Hart, assignors to George A. Breon and Company, Kansas City, Mo. Cyclopentyl-(2-methylallyl)-acetic acid. 2,535,086, Dec. 26.
Moffett, Walter K., Flint, Mich., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Cellulose nitrate coating compositions. 2,498,091, Feb. 21.
Moffitt, Merritt L., Jr.: *See*—
Struble, Albert, and Moffitt.
Mogck, Harry, Cape May, N. J. Device for protecting metal from corrosion. 2,523,443, Sept. 26.
Mogensen, Henry G.: *See*—
Dowd, Chester W., and Mogensen.
Mogk, Karl J.: *See*—
Davies, James M., Mogk, and Williams.
Mogk, Karl J., assignor to Caterpillar Tractor Co., Peoria, Ill. Double-acting hydraulic jack. 2,507,674, May 16.
Mohammad, Ali: *See*—
Olcott, Harold S., and Mohammad.
Mohaupt, Henry H., Fort Worth, Tex., assignor to Welex Jet Services, Inc. Method and apparatus for cutting or punching sheet material. Re. 23,211, Mar. 21.
Mohawk Brush Company, assignee: *See*—
Lotters Fred H.
Mohawk Carpet Mills, Inc., assignee: *See*—
Rice, Walter A.
Mohen, John P., Clayton, Mo. Humidor for cigar and tobacco cases. 2,522,581, Sept. 19.
Möhl, Steffen, Copenhagen, Denmark. Motor unit for driving a shaft at variable speed. 2,515,565, July 18.
Mohler, James B.: *See*—
Schaefer, Ralph A., Mohler, and Pochapsky.
Mohler, Stanley R., La Marque, and S. E. Ross, Jr., Amarillo, Tex. Exercising device. 2,529,347, Nov. 7.
Mohnkern, Charles L.: *See*—
Maier, August R., and Mohenkern.
Moholy-Nagy, Laszlo, Chicago, Ill., assignor to The Parker Pen Company, Janesville, Wis. Pen desk set. 2,503,061, Apr. 4.
Moholy-Nagy, Laszlo, Chicago, Ill., assignor to The Parker Pen Company, Janesville, Wis. Pen desk set. 2,510,648, June 6.
Mohr, Albert C., Arcadia, Calif., assignor to Stauffer Chemical Company. Manufacture of superphosphate fertilizer. 2,515,163, July 11.
Mohr, Joseph J., Encinitas, Calif. Hammer retainer means for machine tools. 2,528,702, Nov. 7.
Mohr, Milton E., New Providence, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Secret message transmission system. 2,517,587, Aug. 8.
Mohrer, Henry Z., assignor to United States Gypsum Company, Chicago, Ill. Coating for insulation boards. 2,518,359, Aug. 8.
Mohring, Robert W., Chicago, Ill. Shelf construction. 2,510,243, June 6.
Mohrlock, David, and H. Johnson, Chelsea, Mich. Electromagnet. 2,514,783, July 11.
Mohrman, Harold W., Springfield, Mass., assignor to Monsanto Chemical Company, St. Lous, Mo. Laminated product. 2,534,617, Dec. 19.
Moinard, Marie—nee Colomb. *See*—
Lantz, Robert, and Moinard.
Moineau, Adele, administratrix: *See*—
Moineau, René J. L.
Moineau, René J. L., Paris, France; A. Moineau, administratrix of said R. J. L. Moineau, deceased, assignor to Robbins & Myers, Inc., Springfield, Ohio. Internal helical gear pump. 2,505,136, Apr. 25.
Moineau, René J. L., Paris, France; A. Moineau, administratrix of said R. J. L. Moineau, assignor to Robbins & Meyers, Inc., Springfield, Ohio. Glandless pump. 2,525,265, Oct. 10.
Moir, Harry L., Glencoe, assignor to The Pure Oil Company, Chicago, Ill. Use of fluoboric acid as a means of removing core sands from castings. 2,502,337, Mar. 28.
Moir, James, Rugby, England, assignor to General Electric Company. Radio-phonograph combination. 2,519,063, Aug. 15.
Moisture Register Company, assignee: *See*—
McBrayer, Marvin L.
McGrayer, Marvin L., and Swyke.
Mojonnier Bros. Co., assignee: *See*—
Cross, Joseph A.
Mojonnier, Harry G.
Mojonnier, Harry G., and McGovern.
Mojonnier Bros. Co. Inc., assignee: *See*
Cross, Joseph A.
Mojonnier, Harry G., Oak Park, assignor to Mojonnier Bros. Co., Chicago, Ill. Cooling apparatus for a plurality of fluids. 2,509,243, May 30.
Mojonnier, Harry G., Oak Park, Ill. Cooling tank. 2,519,844, Aug. 22.
Mojonnier, Harry G., Oak Park, and B. J. McGovern, assignors to Mojonnier Bros. Co., Chicago, Ill. Fluid cooling apparatus. 2,519,845, Aug. 22.
Mol, Evert A. J., Venlo, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Shielded high frequency cable. 2,503,834, Apr. 11.

Molamphy, Emmett T., Oakland, Calif. Navigation instrument. 2,505,624, Apr. 25.
Molas, Philip, and D. Pileggi, Chicago, Ill. Orthopedic bar. 2,531,579, Nov. 28.
Molat, Joseph H.: *See*—
Riker, Robert T., and Molat.
Moldmaster, Inc., assignee: *See*—
Bergman, Ed.
Molens Machine Company, Limited, assignee: *See*—
Harvey, Valentine P., Powell and Wood.
Moler, Harvey T., Detroit, Mich. Ventilating device for automobiles. 2,493,685, Jan. 3.
Moler, Maurice T., assignor to United Specialties Company, Chicago, Ill. Chaff separator. 2,509,778, May 30.
Moles, Edward W.: *See*—
Davis, Clifford P., and Moles.
Moline, Carl R., Homewood, assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Pipe clamp. 2,514,504, July 11.
Moline, Carl R., Homewood, assignor to American Steel Foundries, Chicago, Ill. Brake beam with nut lock and retainer means. 2,515,886, July 18.
Moline Iron Works, assignee: *See*—
Touhey, Carl J.
Molins, Desmond W., F. F. Ruau, and G. Dearsley, assignors to Molins Machine Company Limited, London, England. Rotary knife tobacco cutting machine. 2,535,692, Dec. 26.
Molins Machine Company Limited, assignee: *See*—
Dearsley, George.
Harvey, Valentine P., and Powell.
Molins, Desmond W., Ruau, and Dearsley.
Molique, Lawrence G., Borger, Tex., assignor to Phillips Petroleum Company. Insulation of thermal vessels. 2,525,821, Oct. 17.
Molique, Lawrence G., Phillips, Tex., assignor to Phillips Petroleum Company. Making feed stock for a furnace black process 2,516,134, July 25.
Molique, Lawrence G., Phillips, Tex., assignor to Phillips Petroleum Company. Water purge to waste heat exchangers. 2,517,504, Aug. 1.
Moll, Oswin C., Manhasset, N. Y. List printing apparatus. 2,534,364, Dec. 19.
Molla, Charles P., New Hyde Park, assignor to Molla Incorporated, New York, N. Y. Knockdown metal table. 2,521,596, Sept. 5.
Molla, Charles P., New Hyde Park, assignor to Molla Incorporated, New York, N. Y. Knockdown table. 2,533,831, Dec. 12.
Molla Incorporated, assignee: *See*—
Molla, Charles P.
Moller, Edward B., Falconer, N. Y. Dental forcep. 2,497,229, Feb. 14.
Moller, Henry F., *See*—
Wolf, Andrew J., Moller, and Crook.
Möllerhöj, Johannes S., Charlottenlund, and S. Stigsgaard, Copenhagen, Denmark. Expansible sheath electric power cable. 2,531,917, Nov. 28.
Mollica, Frank, Brooklyn, N. Y., assignor to United Buff Products Corporation, Passaic, N. J. Pressure cooled polishing buff. 2,519,275, Aug. 15.
Molloy, Everett W., Pasadena, assignor to National Technical Laboratories, South Pasadena, Calif. Vacuum tube circuit. 2,495,072, Jan. 17.
Molloy, Everett W., Pasadena, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Radiation measuring device for air filters. 2,497,823, Feb. 14.
Molloy, Everett W., Pasadena, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Air proportional counter. 2,499,830, Mar. 7.
Molloy, Everett W., Pasadena, Calif., and W. H. Hinch, Denver, Colo., assignors to the United States of America as represented by the United States Atomic Energy Commission. Radiation alarm and measurement device. 2,496,886, Feb. 7.
Molloy, James F., Oakland, Calif. Fluid operated toilet flusher. 2,534,524, Dec. 19.
Molloy, James F., Oakland, Calif. Closure operator. 2,534,525, Dec. 19.
Molmans, Gertrude, Manhasset, assignor to Mimar Products, Inc., New York, N. Y. Toaster and control or timing mechanism. 2,517,697, Aug. 8.
Molnar, Imre, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Telephone system. 2,516,788, July 25.
Molnar, Imre, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Radiotelephone system. 2,523,914, Sept. 26.
Molnar, Imre, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Automatic telephone system incorporating mixed service connectors. 2,524,131, Oct. 3.
Molnar, Julius P., Oakmont, and A. Carnvale, Pittsburgh, Pa., assignors to the United States of America as represented by the Secretary of War. Flight stabilizing control gyroscope. 2,507,451, May 9.
Molnar, Nicholas M.: *See*—
Segessemann, Ernest, and Molar.
Moloney, Peter J.: *See*—
Tosoni, Anthony L., and Moloney.
Moloney, Raymond T., assignee: *See*—
Benak, George R.
Galinski, Leo L.
Hoffmann, Elmer L., and Utecht.
Hooker, Donald E.
Seiden, Herman L.
Tobias, Arthur A.
Von Stoeser, Walter.
Molotzak, George C., Coaldale, Pa. Electrically heated bellows motor. 2,512,212, June 20.
Molotzak, George C., Coaldale, Pa. Stoker fired furnace with reciprocable grate and draft control. 2,512,236, June 20.
Mols, Paul, Boitsfort, Belgium. Installation for the continuous manufacture of glass. 2,513,732, July 4.
Molteni, Benigno, and L. Gerletti, Verese, Italy. Acoustic signaling device. 2,527,371, Oct. 24.
Molteni, Henry A., Boonton, N. J., assignor to E. F. Drew & Co., Inc., New York, N. Y. Plasticized hydrophyllic colloids. 2,530,439, Nov. 21.
Moltrup, James F., Beaver Falls, Pa. Support for suspending garments in automobiles. 2,510,244, June 6.
Molybdenum Corporation of America, assignee: *See*—
Tisdale, Norman F., and Lucas.
Molyneux, John C., and C. E. Bournique, Jamestown, N. Y. Hydraulic starting mechanism. 2,498,697, Feb. 28.
Monack, Albert J., Rutherford, assignor to Mycalex Corporation of America, Clifton, N. J. Glass bonded insulating composition. 2,529,566, Nov. 14.
Monaco, Foster, Jackson Heights, N. Y. Infant's teething toy. 2,532,116, Nov. 28.
Monaco, George C., Douglaston Hills, N. Y. Stacking machine. 2,519,491, Aug. 22.
Monaghan, James, Bournemouth West, England. Sanitation device. 2,494,894, Jan. 17.
Monaghas, Charles I.: *See*—
Jopperi, Matt U., and Monaghas.
Monahan, Clement L., Chicago, Ill. Cradle egg carton. 2,512,111, June 20.
Monarch Aluminum Mfg. Company, The, assignee: *See*—
Schmid, Gottlieb E.
Monarch Machine Tool Company, The, assignee: *See*—
Bickel, Clifford A.
Bickel, Clifford A., Brandenburg, and Foster.
Monarch Manufacturing Works, Inc., assignee: *See*—
Carroll, James M.
Murphy, Thomas W.
Monarch Rubber Company, The, assignee: *See*—
Church, Herman S.
Monarch Tool & Machinery Co., assignee: *See*—
Budreck, Frances.
Monark Silver King, Inc., assignee: *See*—
Henry, Harry H.
Monawatt Incorporated, assignee: *See*—
Benander, George B.
Moncrieff, Robert W., Borrowash, near Derby, England, assignor, by mesne assignments, to Celanese Corporation of America. Linear nitrogen-containing polymers. 2,512,667, June 27.
Mondloch, Benedict J., St. Martin, assignor of one-half to A. J. Zackman and one-half to J. E. Hayes, Minneapolis, Minn. Weeder and cultivator. 2,506,033, May 2.
Mondolfo, Lucio F., Sea Cliff, N. Y., assignor to Reynolds Metals Company, Richmond, Va. Electroplating copper on aluminum. 2,495,941, Jan. 31.
Money, Benjamin F.: *See*—
MacLean, John A., Jr., and Money.
Money, Roland H., assignor to Artkraft Manufacturing Corporation, Lima, Ohio. Room cooler. 2,500,852, Mar. 14
Monfils, Napoleon A.: *See*—
Eich, Frank A., and Monfils.
Monfried, Leon, assignor to American Cyanamid Company, New York, N. Y. Multibed cartridge for ion exchange. 2,525,497, Oct. 10.
Mongelli, Giuseppe A., Philadelphia, Pa. Universal trouser pattern. 2,531,781, Nov. 28.
Mongitore, Pietro, assignor to Fiat S. A., Turin, Italy. Running-in internal-combustion engines. 2,494,102, Jan. 10.
Monie, James D., Scranton, Pa. Line gripping device. 2,518,630, Aug. 15.
Monighan, John J.: *See*—
Buenger, Edward F., and Monighan.
Monitor Controller Company, The, assignee: *See*—
Frese, Joseph F.
Monjar, Alice M., Springfield, Ohio. Sanitary girdle. 2,517,503, Aug. 1.
Monjar, John G.: *See*—
Edlund, Henry K., Monjar, Shuman, and De Tamble.
Monnett, Phillip, Toledo, assignor to Meco, Inc., Napoleon, Ohio. Perforating and closing device. 2,532,509, Dec. 5.
Monnik, Harmon J., Narberth, and H. H. Eickhoff, Philadelphia, Pa., assignors to Houdry Process Corporation, Wilmington, Del. System electrically responsive to change in level of material in a receptacle. 2,528,537, Nov. 7.
Mono-Cam Limited, assignee: *See*—
Haut, Fritz, and Friedlander.
Monomelt Company, Incorporated, assignee: *See*—
Myers, Robert R., Jr.
Monosmith, Rudolph O.: *See*—
Lewis, Donald, and Monosmith.

Monowatt Incorporated, assignee: *See*—
Benander, George B.
Monpain, Andre, assignor to Société Anonyme Alfred Herbert, Paris, France. Grinding wheel support. 2,511,675, June 13.
Monroe Auto Equipment Company, assignee: *See*—
McIntyre, Brouwer D.
Nickelsen, John M., Read, Spiess, and Boor.
Snyder, Roy S.
Whisler, Ralph H., Jr.
Monroe Calculating Machine Company, assignee: *See*—
Britten, Edwin F., Jr.
Gang, Herman.
Monroe, Charles Z., assignor to The Ex-Cell-O Corporation, Detroit, Mich. Stapling machine. 2,521,935, Sept. 12.
Monroe, Charles Z., assignor to Ex-Cell-O Corporation, Detroit, Mich. Sealing mechanism. 2,533,832, Dec. 12.
Monroe, Ezra: *See*—
Britton, Edgar C., Monroe, and Hand.
Monroe, Ezra, Midland, and C. Hand, Sanford, assignors to The Dow Chemical Company, Midland, Mich. 2-Allyl-6-secondarybutylphenyl ester of benzoic acid. 2,500,901, Mar. 14.
Monroe, Ezra, Midland, and C. Hand, Sanford, assignors to The Dow Chemical Company, Midland, Mich. 2-Allylphenyl ester of benzoic acid. 2,500,902, Mar. 14.
Monroe, Rollo O., assignor to The Johnson Corporation, Three Rivers, Mich. Swing joint. Re. 23,298, Nov. 28.
Monroe, Rollo O., assignor to The Johnson Corporation, Three Rivers, Mich. Swing joint. 2,497,183, Feb. 14.
Monroe, Rollo O., and J. W. Hieronymus, assignors to The Johnson Corporation, Three Rivers, Mich. Valve stem construction. 2,504,863, Apr. 18.
Monroe, Rollo O., and J. W. Hieronymus, assignors to The Johnson Corporation, Three Rivers, Mich. Carbon graphite shoe. 2,514,551, July 11.
Monroe, Thomas E., deceased, New York, assignor of one-half to W. R. Donaldson, Northport, N. Y., and one-quarter to W. R. Donaldson, as trustee, W. R. Donaldson, administrator. Stitch and stitching. 2,497,230, Feb. 14.
Monroe, Thomas E., deceased, New York, assignor of one-half to W. R. Donaldson, Northport, N. Y., and one-quarter to W. R. Donaldson, as trustee, W. R. Donaldson, administrator. Sewing machine. 2,497,231, Feb. 14.
Monroe, Thomas E., deceased, New York, assignor of one-half to W. R. Donaldson, Northport, N. Y., and one-quarter to W. R. Donaldson, as trustee, W. R. Donaldson, administrator. Stitching. 2,497,232, Feb. 14.
Monsanto Chemical Company, assignee: *See*—
Baer, Massimo.
Barkhuff, Raymond A., Jr.
Barrett, Gerald R.
Beaver, David J.
Beaver, David J., and Throdahl.
Blake, Edward S.
Bryan, Collis C.
Buckley, Francis T.
Buckley, Francis T., and Sido.
Bump, Charles K., and Bischoff.
Butler, John M., and Rector, Jr.
Cairns, Robert E.
Carswell, Thomas S.
Chapin, Earl C.
Chapin, Earl C., and Ham.
Conover, Courtney.
Craig, Alfred B., and Yanko.
Craver, John K.
Curtis, Francis J.
Darby, Joseph R.
Davis, William C., and Woodrow.
Dazzi, Joachim.
Dazzi, Joachim and Rector, Jr.
Di Maio, Vincent.
Downey, Paul M.
Dunlap, Ralph L., Jr.
Dunlop, Richard D.
Durgin, Charles B., and Foster.
Dvornikoff, Michael N.
Dvornikoff, Michael N., and Morrill.
Dyer, Colver P.
Emerson, William S.
Emerson, William S. and P., Jr.
Emerson, William S., and Patrick, Jr.
Fraser, George L.
Gamrath, Harry R.
Glick, Sanford E.
Gluesenkamp, Earl W.
Gluesenkamp, Earl W., and Kosmin.
Ham, George E.
Hardy, Edgar E.
Harman, Marion W.
Harris, James O.
Harris, Jay C.
Hunt, Richard H., Jr.
Ingram, Joseph R.
Kaberg, Russell A., and Harris.
Kosmin, Milton.
Kosolapoff, Gennady M.
Kyrides, Lucas P.
Kyrides, Lucas P., and Sheets.
Kyrides, Lucas P., and Zienty.
Kyrides, Lucas P., Zienty, and Steahly.
Monsanto Chemical Company, assignee: *See*—Continued.
Kyrides, Lucas P., Zienty, and Stephenson.
Lawrence, Robert R.
Lovett, Gordon H.
Malinowski, Theodore P.
Marotta, Ralph.
Marotta, Ralph, and Swisher.
Marshall, Morris D.
Mohrman, Harold W.
Moose, Joe E.
Morrill, Henry L.
Morrill, Henry L., and Weinman.
Morris, Herbert E., and Evans.
Mowry, David T.
Nason, Howard K., and Mowry.
Nielsen, Morris L.
Ott, John B.
Park, Harold F., and Pokigo.
Powers, Donald H., and Harrison.
Richard, William R.
Robinson, William L.
Robshaw, Walter A.
Scott, Milton J.
Scott, Milton J., and Hahn.
Scott, Milton J., and Jackson.
Scott, Milton J., and Rider.
Seymour, Raymond B.
Shorey, Seth U., and Wright.
Shusman, Tevis.
Sido, George R.
Sido, George R., and Murphy.
Smith, Franklin D., and Harris.
Stanford, Jerome S., and Perry.
Steahly, George W.
Stephan, John T.
Vincent, Shirley M.
Walter, Henry A.
White, John F.
Willis, Neal E.
Zerbe, Richard O.
Monsarrat, Nicholas, Seekonk, Mass., assignor to Pantex Manufacturing Corporation, Central Falls, R. I. Fluid chamber connecting valve for pressing machines and the like. 2,535,590, Dec. 26.
Monsel, Georges, Montigny-Le-Roi, France. Wheel and axle mounting for agricultural machines. 2,498,173, Feb. 21.
Monson, Aubrey G., Bremerton, Wash. Grommet setting machine having grommet feeding mechanism. 2,497,899, Feb. 21.
Montague, Bert L., Sumter, S. C. Hydraulic loader. 2,510,411, June 6.
Montague, Bert L., Sumter, S. C. Pulpwood harvester carriage. 2,517,016, Aug. 1.
Montague, Latané G., assignor to Devoe & Raynolds Company, Inc., Louisville, Ky. Mixed fatty acid and rosin esters of resinous epoxides. 2,500,765, Mar. 14.
Montalbano, Anthony, Baton Rouge, La. Fly cast fishing boat. 2,518,168, Aug. 8.
Montalva, Ramon, assignee: *See*—
Carter, Alfred R.
Montani, Angelo, Woodhaven, N. Y., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Intercommunicating system. 2,515,726, July 18.
Montani, Angelo, Woodhaven, N. Y., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. High-frequency generator. 2,529,408, Nov. 7.
Montcalm, Surrius R., assignor, by mesne assignments, to Ferris Instrument Laboratories, Boonton, N. J. Electrical alternating current generation. 2,533,032, Dec. 5.
Montclair Research Corporation, assignee: *See*—
Canfield, William B.
Joy, Homer V.
MacKenzie, Charles A.
MacKenzie, Charles A., and Rust.
Rust, John B.
Rust, John B., and Canfield.
Rust, John B., and Joy.
Rust, John B., and MacKenzie.
Rust, John B., and Spialter.
Montefalco, Jack M., assignor to The Sponge Rubber Products Company, Shelton, Conn. Protective mat with safety tread. 2,526,389, Oct. 17.
Montero, Modesto P., Newark, N. J. Fiber-reenforced bowling pin. 2,494,351, Jan. 10.
Montgomery, Andrew P.: *See*—
Smith, David B., Clapp, Montgomery, Emerson, and Hoffmen.
Montgomery, Andrew P., Narberth, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Signal maintaining circuit. 2,503,835, Apr. 11.
Montgomery, Andrew P., assignor to Philco Corporation, Philadelphia, Pa. Negative bias limiter for automatic gain control circuits. 2,520,012, Aug. 22.
Montgomery, Charles W.: *See*—
Gwynn, Bernard H., and Montgomery.
Riethof, George, Montgomery, and Brown, Jr.
Montgomery, Charles W., W. I. Gilbert, Oakmont, and R. E. Kline, Penn Township, Allegheny County, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Hydraulic fluids. 2,512,255, June 20.

Montgomery, Charles W., and W. I. Gilbert, Oakmont, and R. E. Kline, Penn Township, Allegheny County, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Hydraulic fluids. 2,516,640, July 25.
Montgomery Elevator Company, assignee: *See*— Matthews, Leigh M.
Montgomery, George C.: *See*— Cleveland, Donald L., Hatton, and Montgomery.
Montgomery, Harold R., Niagara Falls, Ontario, Canada, assignor to Norton Company, Worcester, Mass. Titanium carbide article. 2,496,671, Feb. 7.
Montgomery, Homer U., assignee: *See*— Appleton, Richard L.
Montgomery, James A., assignor to Irrigation Equipment Co., Eugene, Oreg. Tube coupler. 2,510,477, June 6.
Montgomery, Martha O., Independence, Mo. Hair curling unit. 2,535,223, Dec. 26.
Montgomery, Phillip D.: *See*— Buckwalter, Howard M., and Montgomery.
Montgomery, Terryl B., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Control system for dynamoelectric machines with differentially excited fields. 2,523,046, Sept. 19.
Montgomery, Walter B., Summit, and F. Rapasky, Linden, assignors to The M. W. Kellogg Company, Jersey City, N. J. Catalyst chamber. 2,504,215, Apr. 18.
Montgomery Ward & Co., Incorporated, assignee: *See*— Frisk, Walter E.
Montgomery, William A., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Arrangement for measuring electric power. 2,495,752, Jan. 31.
Montgomery, William A., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Wide frequency band amplifier. 2,524,821, Oct. 10.
Montgomery, William J., Lakewood, Ohio. Highway-railway grade crossing. 2,496,739, Feb. 7.
Monti, Jean: *See*— Jacot, Georges, and Monti.
Montone, Liber J., Ithaca, N. Y. Heating, vaporizing, and/or boiling water. 2,493,923, Jan. 10.
Montoriol, Charles E. A., Saint-Germain-en-Laye, and M. Sabine, assignors to Lignes Telegraphiques et Telephoniques, Conflans-Sainte-Honorine, France. Device for forming insulating parts on electric conductors. 2,516,789, July 25.
Montrose-Oster, Louis E. W., Brussels-Boitsfort, Belgium, assignor of one-half to Pollopas Patents Limited, London, England. Infinitely variable reproducing or repeating device. 2,511,075, June 13.
Montrose-Oster, Louis E. W., Brussels-Boitsfort, Belgium, assignor to Pollopas Patents Limited, London, England. Device for directly detecting, measuring, and utilizing for the purpose of control, variations in speed. 2,530,717, Nov. 21.
Mo Och Domsjo Aktiebolag, assignee: *See*— Gabrielson, Carl O.
Linder, Ake Vilhelm Bernhard.
Moody, Clark J., New York, N. Y., assignor, by mesne assignments, to California Research Corporation, San Francisco, Calif. Starting of internal-combustion engines. 2,516,787, July 25.
Moody, George D. and R. E., Arkansas City, Kans. Repairman's creeper. 2,520,047, Aug. 22.
Moody, John L., Oakland, Calif., assignor to Friden Calculating Machine Co., Inc. Calculating machine. Re. 23,259, Aug. 22.
Moody, John L., Oakland, Calif., assignor to Friden Calculating Machine Co., Inc. Calculating machine. Re. 23,260, Aug. 22.
Moody, John L., Oakland, Calif., assignor to Friden Calculating Machine Co., Inc. Power unit. 2,529,810, Nov. 14.
Moody, John L., Oakland, Calif., assignor to Friden Calculating Machine Co., Inc. Motor frame. 2,530,532, Nov. 21.
Moody, John L., Oakland, Calif., assignor to Friden Calculating Machine Co., Inc. Making electric motors. 2,530,533, Nov. 21.
Moody Machine Products Co., Inc., assignee: *See*— Moody, William S.
Moody, Ralph E.: *See*— Moody, George D. and R. E.
Moody, Raymond N., Auburn, Maine. Spool release for spinning frames. 2,505,567, Apr. 25.
Moody, William S., Cranston, R. I., assignor to Moody Machine Products Co., Inc. Tool package. 2,530,024, Nov. 14.
Moomaw, Lewis H., Great Neck, assignor to De Jur-Amsco Corporation, Long Island City, N. Y. Hinged aperture gate. 2,495,018, Jan. 17.
Moon, Henry T., South Gate, Calif. Line marker. 2,525,100, Oct. 10.
Moon, James, and J. F. Shaw, Altadena, assignors to Western Oil Tool & Engineering Co. Inc., Glendale, Calif. Safety lock for extensible masts. 2,508,835, May 23.
Moon, Max E., Prosser, Wash. Universal joint. 2,499,030, Feb. 28.
Moon, Robert F., Oklahoma City, Okla. Lawn trimmer. 2,519,779, Aug. 22.
Mooney, Gerald F., Lansing, Iowa. Attachment for internal-combustion engines. 2,534,983, Dec. 19.
Mooney, James D., Oyster Bay, N. Y. Apparatus for illustrating relation between economic profit and loss. 2,526,260, Oct. 17.
Mooney, James D., Oyster Bay, N. Y. Apparatus for illustrating economics by physical analogies. 2,526,261, Oct. 17.
Mooney, Melvin, Lake Hiawatha, N. J., assignor to United States Rubber Company, New York, N. Y. Controlling thread tension. 2,493,259, Jan. 3.
Mooney, Raymond, Kenilworth, assignor to Quick-Set, Incorporated, Chicago, Ill. Instrument supporting stand. 2,508,122, May 16.
Mooney, Thomas J.: *See*— Walker, Joseph F., and Mooney.
Moore, Albert J., Watchung, assignor to The Thomas & Betts Co., Elizabeth, N. J. Cable connector. 2,522,235, Sept. 12.
Moore, Allen C.: *See*— Moersch, George W., and Moore.
Moore, Alvin F., Monroe, assignor to Woodall Industries Incorporated, Detroit, Mich. Sun visor. 2,496,129, Jan. 31.
Moore, Arleigh R., Canton, assignor of one-half to D. R. Minser, Hartville, Ohio. Piston ring. 2,532,180, Nov. 28.
Moore, Arthur H., Fairfield, assignor to The Bridgeport Metal Goods Manufacturing Company, Bridgeport, Conn. Rotary switch control for flashlights. 2,503,287, Apr. 11.
Moore, Arthur, Limited, assignee: *See*— Worby, Stanley E.
Moore, Aubrey R., Sr., Richmond, Va. Pipe and rail chipper. 2,503,288, Apr. 11.
Moore Business Forms, Inc., assignee: *See*— Hageman, Louis F.
Manuel, Charles J.
Plummer, Lloyd F., and Merrill.
Moore, Cecil W.: *See*— Lowenthal, Julius, and Moore.
Moore, Charles C., Palos Verdes Estates, and P. W. Fischer, Long Beach, assignors to Union Oil Company of California, Los Angeles, Calif. Diesel engine fuel. 2,527,889, Oct. 31.
Moore, Charles R., Mendham, and J. Villoresi, Lincoln Park, N. J., assignors to The Linde Air Products Company. Binozzle gouging torch and method. 2,534,365, Dec. 19.
Moore, Charles S., Cleveland, F. Voss, Lakewood, and A. E. Biermann, Cleveland, Ohio. Balanced-diaphragm dynamometer torque indicator. 2,493,012, Jan. 3.
Moore, Charlie A., Victoria, Tex. Bait retaining fishhook. 2,534,469, Dec. 19.
Moore, Clara B., assignee: *See*— James, Lorenzo D.
Moore, Clyde M., Richmond, Va. Hose coupling device. 2,516,583, July 25.
Moore, Clyde M., assignor to Moorex Industries, Incorporated, Richmond, Va. Bathing cap. 2,520,048, Aug. 22.
Moore, Clyde M., Richmond, Va. Bathing cap. 2,520,049, Aug. 22.
Moore, Clyde M., Richmond, Va. Hose coupling device and compression member for use therein. 2,523,874, Sept. 26.
Moore, Clyde M., assignor to Moorex Industries, Inc., Richmond, Va. Bathing cap. 2,524,463, Oct. 3.
Moore, Coleman B., Carroll Park, assignor to Moore Products Co., Philadelphia, Pa. Pneumatic control apparatus. 2,501,957, Mar. 28.
Moore, Coleman B., Carroll Park, assignor to Moore Products Co., Philadelphia, Pa. Pneumatic control apparatus. 2,516,333, July 25.
Moore, Coleman B., Carroll Park, assignor to Moore Products Co., Philadelphia, Pa. Pneumatic control apparatus. 2,518,244, Aug. 8.
Moore, Coleman B., Carroll Park, assignor to Moore Products Co., Philadelphia, Pa. Pneumatic control apparatus. 2,520,468, Aug. 29.
Moore Company, The, assignee: *See*— Elder, Charles J.
Moore, David D., Toledo, Ohio. Stencil cutting gauge. 2,522,886, Sept. 19.
Moore, David P., Roslyn Heights, assignor, by mesne assignments, to Kant-Refil, Limited, New York, N. Y. Non-refillable valve for bottles. 2,517,911, Aug. 8.
Moore, David W., Jr., Los Angeles, Calif., assignor to Fairchild Camera and Instrument Corporation. Film-type resistor and manufacturing the same. Re. 23,219, Apr. 11.
Moore, David W., Jr., New York, N. Y., assignor to Fairchild Camera and Instrument Corporation. Method of and system for controlling the input to internal-combustion engines. 2,521,244, Sept. 5.
Moore, Dewey R., Dallas, Tex. Pipe rack. 2,507,040, May 9.
Moore, Edgar S., Toronto, Ontario, Canada, assignor to Air-A-Feed Equipment, Inc., Worcester, Mass. Manually applied power-driven machine for automatically delivering and driving a fastener. 2,534,140, Dec. 12.
Moore, Edmond E.: *See*— Moore, Marjorie B., and Edmond E.

Moore, Edmond E., Waukegan, assignor to Abbott Laboratories, North Chicago, Ill. Preparing mercury-, silver-, and gold-mercapto carboxylic acids. 2,509,198, May 30.

Moore, Edmond E., and R. J. Ohman, Waukegan, assignors to Abbott Laboratories, North Chicago, Ill. Monosodium salt of gold thioitamalic acid. 2,509,200, May 30.

Moore, Edmond E., Waukegan, and L. W. Clemence, Highland Park, assignors to Abbott Laboratories, North Chicago, Ill. S-carboxyalkylene isothiuronium salts of antimonyl tartrate. 2,509,201, May 30.

Moore, Edmund B., Birmingham, Ala. Golf club holding device. 2,496,808, Feb. 7.

Moore Electronic Laboratories, Inc., assignee: *See*—
Moore, Raymond D.
Moore, Raymond D., and Bordewieck.

Moore, Emmett L., Atlanta, Ga. Friction assembly and making the same. 2,531,782, Nov. 28.

Moore Fabric Company, assignee: *See*
Schiappa, Anthony.

Moore, Francis W., Tiffin, Ohio. Ladder lock. 2,498,375, Feb. 21.

Moore, Frank J., and M. M. Stewart, Wappingers Falls, assignors to The Texas Company, New York, N. Y. Polymerization of olefins. 2,507,864, May 16.

Moore, George A., assignor to National Biscuit Company, New York, N. Y. Slide dispensing package with reinforced wrapper. 2,494,446, Jan. 10.

Moore, George A., New York, N. Y., assignor to Reynolds Metals Company, Richmond, Va. Bag pouch. 2,506,311, May 2.

Moore, George A., New York, N. Y. Container. 2,508,962, May 23.

Moore, George A., assignor to National Biscuit Company, New York, N. Y. Display box. 2,515,887, July 18.

Moore, George A., New York, N. Y., assignor to Reynolds Metals Company, Richmond, Va. Venetian blind. 2,529,305, Nov. 7.

Moore, George A., assignor to National Biscuit Company, New York, N. Y. Display package and tray. 2,533,738, Dec. 12.

Moore, George E., assignor to Manning, Maxwell & Moore, Inc., Muskegon Heights, Mich. Power-operated two-speed hoist. 2,534,726, Dec. 19.

Moore, George H., Snow Hill, assignor of one-fourth to W. G. Sheppard, Greene County, N. C. Combination flashlight and table lamp. 2,530,069, Nov. 14.

Moore, George L., Hudson, and W. E. Sicha, Cleveland, Ohio, and R. B. Wrege, Louisville, Ky., assignors to Aluminum Company of America, Pittsburgh, Pa. Cast piano plate. 2,532,070, Nov. 28.

Moore, George L., Hudson, Ohio, assignor to Aluminum Company of America, Pittsburgh, Pa. Piston. 2,513,814, July 4.

Moore, George L., and J. R. Steele, Owego, N. Y., assignors, by mesne assignments, to Poor & Company, Chicago, Ill. Rail anchor. 2,493,686, Jan. 3.

Moore, George W., New York, N. Y. Crayon holder. 2,495,342, Jan. 24.

Moore, Harold A., Riverhead, N. Y., assignor to Radio Corporation of America. Voltage variation indicator. 2,525,705, Oct. 10.

Moore, Harold A., Riverhead, N. Y., assignor to Radio Corporation of America. High-frequency vernier tuning condsenser. 2,525,706, Oct. 10.

Moore, Harold S., and C. A. Berlepsch, North Haven, assignors to Rockbestos Products Corporation, New Haven, Conn. Heating unit. 2,528,966, Nov. 7.

Moore, Harry H., Washington, D. C. Bomb fuse. 2,505,000, Apr. 25.

Moore, Harry H., Washington, D. C., and C. L. Johnson, Hyattsville, Md. Pressure indicating arbor press. 2,533,279, Dec. 12.

Moore, Herbert B., assignor to G. and M. Equipment Company, Winton, Calif. Check forming implement. 2,512,363, June 20.

Moore, Hilbert R., Pluckemin, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Power line carrier telephone system. 2,507,116, May 9.

Moore, Howard R., Drexel Hill, Pa. Producing a corrosion inhibitive coating on ferrous metals. 2,505,785, May 2.

Moore, Inc., assignee: *See*—
Mercier, Ernest.
Mercier, Ernest, and Ehlinger.

Moore, James A.: *See*—
Clay, Reginald S., and Moore.

Moore, James B., Chicago, Ill. Liquid fuel dispenser having a rotatably positionable register. 2,499,031, Feb. 28.

Moore, James B., Chicago, Ill. Liquid dispensing pump. 2,511,287, June 13.

Moore, James B. Hamilton, Mo. Rain gauge. 2,520,557, Aug. 29.

Moore, James B., Jr., Lexington, Ky. Apparatus for curing of tobacco. 2,534,618, Dec. 19.

Moore, James H., Akron, Ohio. Repair vulcanizer. 2,516,715, July 25.

Moore, James J., Cleveland, Ohio. Rotary shear type safety razor. 2,521,597, Sept. 5.

Moore, James R., Dutch Neck, N. J. Radio object locating system. 2,493,774, Jan. 10.

Moore, James R., Dutch Neck, N. J. Modulator circuit. 2,516,135, July 25.

Moore, James R., Princeton, N. J. Transmitter-receiver connections in radio object-locating systems. 2,497,092, Feb. 14.

Moore, James R., Rumson, N. J., assignor to the United States of America as represented by the Secretary of War. Pulse generating circuit. 2,510,129, June 6.

Moore, James R., assignor to Hamilton Manufacturing Company, Two Rivers, Wis. Laundry drier. 2,506,516, May 2.

Moore, James R., assignor to Hamilton Manufacturing Company, Two Rivers, Wis. Laundry drier. 2,506,517, May 2.

Moore, James R., Washington, D. C., assignor to Radio Corporation of America. Balanced detector system for radar apparatus. 2,510,710, June 6.

Moore, John C., Bolivar, N. Y. Fishhook releaser. 2,534,790, Dec. 19.

Moore, John H., Havertown, assignor to Leeds and Northrup Company, Philadelphia, Pa. Circuit standardizing actuating mechanism. 2,528,967, Nov. 7.

Moore, John R., assignee: *See*—
James, Lorenzo D.

Moore, Joseph R., assignor to A. Lyon, Fort Worth, Tex. Fish lure. 2,502,979, Apr. 4.

Moore, Lee C., Corporation, assignee: *See*—
Campbell, Erwin A.
Woolslayer, Homer J., Campbell, and Jenkins.
Woolslayer, Homer J., and Jenkins.
Woolslayer, Homer J., Jenkins, and Luttgen.

Moore, Leonidas J., New Bern, N. C. Scraper, including a pair of separably connected arms for cleaning the inside surfaces of a deep fat fryer. 2,521,018, Sept. 5.

Moose, Louis F.: *See*—
Gormley, Robert S., Maggs, and Moose.

Moore, Marjorie B., and E. E. Moore, Waukegan, assignors to Abbott Laboratories, North Chicago, Ill. Pharmaceutical intermediates and preparing the same. 2,509,199, May 30.

Moore, Maurice L., Nether Providence Township, Delaware County, assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa. N-4-succinylsulfanilamidodiazones. 2,533,033, Dec. 5.

Moore, Milton E., New Orleans, La. Illuminated drinking glass. 2,532,181, Nov. 28.

Moore, Noble E., and G. R. Gillgrass, assignors of one-third to L. L. Brunson, Davenport, Iowa. Coil-winding head. 2,514,251, July 4.

Moore, Norman C., West Newbury, Mass., assignor to Western Electric Company Incorporated, New York, N. Y. Dispensing apparatus. 2,523,711, Sept. 26.

Moore, Paul B., assignor to York Corporation, York, Pa. Air flow directing means for room air conditioners. 2,502,980, Apr. 4.

Moore, Philip W., Jr., Winnetka, assignor to Poor & Company, Chicago, Ill. Stock length gauge for shearing machines. 2,507,452, May 9.

Moore, Philip W., Jr., Winnetka, assignor to Poor & Company, Chicago, Ill. Blank gauge for shearing machines. 2,507,453, May 9.

Moore Products Co., assignee: *See*—
Moore, Coleman B.

Moore, Ralph G. D., assignor to J. T. Baker Chemical Co., Phillipsburg, N. J. 2,4-D salt and composition containing the same. 2,505,059, Apr. 25.

Moore, Ralph N., Manly, Iowa. Festooning machine. 2,494,667, Jan. 17.

Moore, Ralph T., Lakewood, assignor to The American MonoRail Company, Cleveland, Ohio. Nonshimmying trolley. 2,512,034, June 20.

Moore, Raymond D., assignor, by mesne assignments, to Moore Electronic Laboratories, Inc., Worcester, Mass. Sealed photoelectric tube. 2,518,048, Aug. 8.

Moore, Raymond D., Worcester, and R. W. Bordewieck, Wellesley, assignors, by mesne assignments, to Moore Electronic Laboratories, Inc., Worcester, Mass. Electric circuit for automobile lighting systems. 2,493,307, Jan. 3.

Moore, Raymond P., Jr., West Collingswood, N. J., assignor to Radio Corporation of America. Bistable semiconductor multivibrator circuit. 2,531,076, Nov. 21.

Moore, Raymond W.: *See*—
King, George E., Moore, and Harding.

Moore, Rex W., Wichita, Kans. Tow or anchorage cable. 2,520,325, Aug. 29.

Moore, Richard E.: *See*—
MacNeil, Charles S. J., Haines, Moore, and Carson.
MacNeil, Charles S. J., Haines, Moore, Mack, and Carson.

Moore, Robert C., Long Island City, N. Y. Paper roll. 2,512,168, June 20.

Moore, Robert C., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Method and apparatus for synchronizing oscillators. 2,507,319, May 9.

Moore, Robert E., Baltimore, Md., assignor to General Electric Company. Heat transfer apparatus. 2,509,011, May 23.

Moore, Robert E., Baltimore, Md. Snap switch. 2,509,835, May 30.

Moore, Samuel, & Company, assignee: *See*—
Austin, Dwight E.

Moore, Samuel L., Fort Wayne, Ind., assignor to General Electric Company. Control system for electrical motors. 2,502,167, Mar. 28.
Moore, Sherman C., assignee: *See*—
Ellis, Edgar.
Moore Special Tool Co., Inc., assignee: *See*—
Hawley, Flody E.
Victory, Frederick C.
Moore, Stanley C., assignor to Hughes Tool Company, Houston, Tex. Spring loaded tool joint dressing tool. 2,528,474, Oct. 31.
Moore, Sydney J., assignor to Sulzer Bros. (London) Limited, London, and Josiah Wedgwood & Sons Limited, Stoke-on-Trent, Staffordshire, England. Rotary support for substances or particles to be formed or treated. 2,503,678, Apr. 11.
Moore, Thomas A.: *See*—
Bonds, Marvin T., Moore, and Miller.
Moore, Thomas W., Temple City, assignor to Byron Jackson Co., Vernon, Calif. Liquid seal for submersible motors. 2,510,130, June 6.
Moore, Vincent, Ridgewood, N. J., assignor to Wright Aeronautical Corporation. Transmission and torque meter therefor. 2,518,708, Aug. 15.
Moore, Walter R., Palmyra, N. J., assignor to Underwood Corporation, New York N. Y. Front feed device. 2,525,266, Oct. 10.
Moore, Willard C., Dayton, Ohio. Extension drain. 2,531,288, Nov. 21.
Moore, Willard W., Scottsbluff, Nebr. Storm window and screen assembly. 2,535,314, Dec. 26.
Moore, William B., Jr.: *See*—
Ernst, Robert C., and Moore.
Moore, William C., Chicago, Ill., assignor to Motorola, Inc. Coded range-signal responsive system. 2,514,285, July 4.
Moore, William C., Chicago, Ill., assignor to Motorola, Inc. Low-level bridge discriminator. 2,533,496, Dec. 12.
Moore, William C., Stamford, Conn., assignor, by mesne assignments, to Air Reduction Company, Incorporated, New York, N. Y. Production of copper oxide pellets. 2,496,353, Feb. 7.
Moore, William E.: *See*—
Cihlar, Anthony J., and Moore.
Moore, William E., assignor to Delaware Engineering Corporation, Pittsburgh, Pa. Arc electrode support. 2,494,775, Jan. 17.
Moore, William E., Pittsburgh, Pa., assignor to Delaware Engineering Corporation. Furnace electrode regulator. 2,517,527, Aug. 1.
Moore, William E., Pittsburgh, Pa., assignor to Delaware Engineering Corporation. Furnace electrode regulator. 2,517,528, Aug. 1.
Moore, William H., Buffalo, N. Y. Vegetable cutter. 2,495,121, Jan. 17.
Moore, William H., Cleveland Heights, Ohio, assignor to Meehanite Metal Corporation. Process and apparatus for testing gas evolution characteristics of molding sand. 2,504,143, Apr. 18.
Moore, William T.: *See*—
Hartley, Arthur C., Brown, Callendar, Fehling, Fox, Gill, Moore, Rosin, and Williamson.
Moore, Willis F.: *See*—
Ljunggren, Thor H., and Moore.
Moore, Willis F., assignor to Bryant Chucking Grinder Company, Springfield, Vt. Spindle mounting for high speeds. 2,502,874, Apr. 4.
Moorex Industries, Inc., assignee: *See*—
Moore, Clyde M.
Moorhead, John O., assignor to Metals & Controls Corporation, Attleboro, Mass. Temperature and pressure operated valve. 2,501,185, Mar. 21.
Moorhead, John O., and T. M. Gunn, assignors to Metals & Controls Corporation, Attleboro, Mass. Snap switch and snap-acting element therefor. 2,516,236, July 25.
Moorehead Manufacturing Co., Inc., assignee: *See*—
Palmer, Edwin.
Moorhead, Walter H., South Euclid, Ohio. Percussive tool appliance. 2,518,429, Aug. 8.
Moorhouse, Henry J., Superior, Wis. Advertising device. 2,512,465, June 20.
Mooring, John G.: *See*—
Chatterton, Earl L., and Mooring.
Moorman, Charles L., Millington, Ill., assignor to Union Asbestos & Rubber Company. Convertible bulkhead. 2,495,903, Jan. 31.
Moorman Manufacturing Company, assignee: *See*—
Elmslie, Wallace P.
Sturdy, Robert A.
Moos, Ernest F., Shreveport, La. Sheet metal surfacing material. 2,504,566, Apr. 18.
Moos, Gilbert E.: *See*—
McFarlane, Samuel B., and Moos.
Moosbrugger, Mary W., administratrix: *See*—
Moosbrugger, Robert.
Moosbrugger, Robert, Glenside, Pa., M. W. Moosbrugger, administratrix of said R. Moosbrugger, deceased. Reactive impulse engine embodying complemental pocketed rotors. 2,507,481, May 9.
Moose, Joe E., Reno, Nev., assignor to Monsanto Chemical Company, St. Louis, Mo. Moistureproofing compositions. 2,500,426, Mar. 14.
Moose, Joe E., Reno, Nev., assignor to Monsanto Chemical Company, St. Louis, Mo. Moistureproofing compositions. 2,500,427, Mar. 14.
Morain, Willard A., and P. S. Shirley, assignors, by mesne assignments, to Lima-Hamilton Corporation, Hamilton, Ohio. Automatic piston stroke compensator for free piston engines. 2,497,091, Feb. 14.
Moran, Albert E.: *See*—
Smyth, Glen M., and Moran.
Moran, Don E., Schenectady, N. Y., assignor to General Electric Company. Electromagnetic switch. 2,523,774, Sept. 26.
Moran, Don E., and S. F. Jarvis, Schenectady, N. Y., assignors to General Electric Company. Rod brake. 2,534,984, Dec. 19.
Moran, Edward F., Baltimore, and E. W. Vaughn, Ridgewood, Md., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Photofluorograph. 2,526,390, Oct. 17.
Moran, Harold J., assignor to Switlik Parachute Company, Inc., Trenton, N. J. Portable parachute assembly. 2,495,341, Jan. 24.
Moran, Harold J., assignor to Switlik Parachute Company, Inc., Trenton, N. J. Parachute chair pack. 2,495,381, Jan. 24.
Moran, John F., Brooklyn, N. Y. Building block molding apparatus. 2,533,603, Dec. 12.
Moran, W. J., trustee, assignee: *See*—
Daugherty, Fount F.
Morand, Donald A., Portland, Oreg. Spring catch. 2,504,716, Apr. 18.
Morand, Louis D.: *See*—
Whitmore, James B., and Morand.
Morand, Max, Le Plessis-Robinson, assignor to Centre National de la Recherche Scientifique, Paris, France. Vacuum pump. 2,508,765, May 23.
Morast, Lynn J., Minneapolis, Minn. Combined trailer hitch and bumper guard. 2,525,707, Oct. 10.
Moravian Electrical Engineering Works, National Corporation, assignee: *See*—
Klima, Vilem
Morawski, Thaddeus J., assignee: *See*—
Lewry, Richard D.
Morays Manufacturing Company, Inc., assignee: *See*—
Levine, Samuel.
More, Jasper, New Monkland, by Airdrie, assignor to Dobbie McInnes Limited, Glasgow, Scotland. Liquid depth indicator. 2,509,834, May 30.
More, Philip J., Chicago, Ill., assignor to Birtman Electric Company. Resistance element for electric irons. 2,512,668, June 27.
Moree, Leland E., and H. K. Leonard, assignors to Toledo Scale Company, Toledo, Ohio. Knife for meat tenderizing machines. 2,518,562, Aug. 15.
Morehouse, Eugene, Providence, R. I., assignor to B. A. Ballou & Co., Incorporated. Clasp for bracelets or the like. 2,515,610, July 18.
Morehouse, Eugene, and F. A. Ballou, Jr., Providence, R. I., assignors to B. A. Ballou & Co. Incorporated. Cuff link with pivoted head. 2,527,440, Oct. 24.
Morehouse Industries, assignee: *See*—
Shaw, Tjerck P.
Morehouse, Reeve C.: *See*—
Wilkinson, Claude K., and Morehouse.
Morel, Cornelis H.: *See*—
Kalff, Louis C., Morel, and Siezen.
Morel, Stanislas, Paris, France. Device for increasing the efficiency of sandblast gun operating by means of compressed air 2,508,766, May 23.
Morel, Stanislas, Paris, France. Sandblast gun. 2,518,047, Aug. 8.
Morel, Stanislas, Paris, France. Filter. 2,525,559, Oct. 10.
Moreland, William J., Jr., assignor to G. L. Carrington, Encino, Calif. Microphone or receiver of the condenser type. 2,509,310, May 30.
Morell, Donald C., assignee: *See*—
Turgeon, Edmond.
Morell, Samuel A., Milwaukee, Wis., and R. W. Von Korff, Minneapolis, Minn.; dedicated to the People of the United States of America. Manufacture of penaldic acids and their derivatives. 2,516,900, Aug. 1.
Morell, Samuel A., Milwaukee, Wis., and R. W. Von Korff, Minneapolis, Minn., dedicated to the People of the United States of America. Manufacture of penaldic acids and their derivatives. 2,517,588, Aug. 8.
Moreno, Charles A.: *See*—
Kessler, William J., Gano, and Moreno.
Moreno, Ernest, Brookline, Mass. Tree-lighting electric cord set. 2,495,639, Jan. 24.
Moreno, Theodore, Garden City, N. Y., assignor to The Sperry Corporation. High-frequency wattmeter. 2,497,093, Feb. 14.
Moreno, Theodore, Garden City, N. Y., assignor to The Sperry Corporation. Microwave apparatus. 2,497,094, Feb. 14.
Morey, Carl, assignor to Economy Pumps, Inc., Hamilton, Ohio. Hydraulic valve operating mechanism. 2,496,740, Feb. 7.
Morey, Carl, and H. A. Dingeldein, Hamilton, Ohio, assignors to Liberty Planers. Tool lifter for planers. 2,533,680, Dec. 12.
Morey, Glen H., Terre Haute, Ind. Electrical heater and manufacturing it. 2,496,012, Jan. 31.
Morey, Glen H., Terre Haute, Ind. Electrical heater and manufacturing it. 2,498,442, Feb. 21.

Morey, Glen H., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Insect repellent compositions. 2,527,322. Oct. 24.

Morey, Glen H., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Production of substituted derivatives of N,N'-methylenebis-(hexahydropyrimidines). 2,527,323, Oct. 24.

Morey, Glen H., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Substituted hexahydropyrimidines and producing them. 2,535,747, Dec. 26.

Morey, Leon P., assignor to Eastman Kodak Company, Rochester, N. Y. Apparatus for changing coating solutions of coating machines. 2,500,041, Mar. 7.

Morey Machinery Co., Inc., assignee: *See*—
Casella, Secondo L., Kurzweil, and Pesqueira.
Kurzweil, Robert, and Pesqueira.
Pesqueira, Juventino J.

Morf, Rudolf, assignor to Sandoz Limited, Basel, Switzerland. Halogenated hydroxybenzamides of the thiazole series and their manufacture. 2,502,528, Apr. 4.

Morfesi, Eugene S., Flushing, N. Y. Meat holder. 2,496,062, Jan. 31.

Morfit, Edwin F., South River, N. J., assignor to American Cyanamid Company, New York, N. Y. Tetrachlorophthalic acid and anhydride curing of aminoplasts. 2,520,100, Aug. 22.

Morfit, Oliver: *See*—
Dickinson, John T., Morfit, and Van Orden.

Morgadanes, Angela M.: *See*—
Morgadanes, Robert, D., A. M., and C.

Morgadanes, Celia: *See*—
Morgadanes, Robert, D., A. M., and C.

Morgadanes, Dolores: *See*—
Morgadanes, Robert, D., A. M., and C.

Morgadanes, Robert, D., A. M., and C., New Orleans, La. Fountain brush with work operated discharge valve. 2,493,990, Jan. 10.

Morgan, Arthur E., assignee: *See*—
Bean, Xarifa L.

Morgan, Burton G., Tacoma, Wash. Lawn trimmer. 2,503,757, Apr. 11.

Morgan Construction Company, assignee: *See*—
Morgan, Myles.
Morgan, Weld.
Murrah, Edmund S.
Sheperdson, John W., and O'Malley.

Morgan, Edward, Dayton, Ohio. Bicycle stand. 2,496,593, Feb. 7.

Morgan Engineering Company, The, assignee: *See*—
Ball, Harvey W.

Morgan, Erving B., and A. J. Plachecki, assignors to American Seating Company, Grand Rapids, Mich. Service table. 2,499,668, Mar. 7.

Morgan, Everett F., New Albany, Ind. Vehicle spring suspension. 2,510,829, June 6.

Morgan, Everett K., assignor to Giddings & Lewis Machine Tool Co., Fond du Lac, Wis. Control mechanism for machine tools. 2,499,152, Feb. 28.

Morgan, Franklin H.: *See*—
Hewitt, Harold C., and Morgan.

Morgan, George A., Glendale, and A. B. Robertshaw, Jr., assignors to Woonsocket Falls Mill, Woonsocket, R. I. Fabric and making same. 2,502,101, Mar. 28.

Morgan, Harold B., Evansville, Ind. Toy ornithopter. 2,504,567, Apr. 18.

Morgan, Henry W., Islington, London, England. Magnetic drink mixer. 2,505.423, Apr. 25.

Morgan, Jack F.: *See*—
Bestehorn, Heinrich H., and Morgan.
Grimmel, Harry W., and Morgan.

Morgan, Jack F., Delmar, N. Y., and H. W. Grimmel, Providence, R. I., assignors to General Aniline & Film Corporation, New York, N. Y. Ring systems from azo dyes. 2,515,728, July 18.

Morgan, James E., Lakewood, Ohio. Bed back rest. 2,496,592, Feb. 7.

Morgan, James M., Asheville, N. C. Portable folding ironing board assembly. 2,516,235, July 25.

Morgan, Jerome P.: *See*—
Scheeline, Harold W., Etherington, and Morgan.

Morgan, John: *See*—
Knott, Edward Bowes, and Morgan.

Morgan, John E., Chicago, Ill., assignor to International Harvester Company. Pushcart with removable receptacle. 2,507,732, May 16.

Morgan, John K., Chicago, Ill. Tire chain for automotive vehicles. 2,501,784, Mar. 28.

Morgan, La Verne E.: *See*—
Fink, Frank W., and Morgan.

Morgan, Leo, Toronto, Ontario, Canada. Container. 2,527,025, Oct. 24.

Morgan, Leone L.: *See*—
Schuessler, William J., and Morgan.

Morgan, Mathew B., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Differential carrier. 2,510,996, June 13.

Morgan, Morris D., Spokane, Wash. Sprinkler. 2,509,576, May 30.

Morgan, Myles, assignor to Morgan Construction Company, Worcester, Mass. Rotary shears. 2,504,035, Apr. 11.

Morgan, Paul W., Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. New cellulose derivatives. 2,512,960, June 27.

Morgan, Paul W., Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Cross-linked polymeric materials and making same. 2,520,609, Aug. 29.

Morgan, Philip F., Elmhurst, Ill., assignor to Chicago Pump Company. Aeration unit and support therefor. 2,521,474, Sept. 5.

Morgan, Philip F., Elmhurst, and C. E. Lawrenz, Chicago, Ill., assignors to Chicago Pump Company. Method and apparatus for removing grit. 2,532,457, Dec. 5.

Morgan, Robert W., Hamburg, A. G. Trometer, Kenmore, and L. J. Sahs, Hamburg, assignors to Fedders-Quigan Corporation, Buffalo, N. Y. Room air conditioner. 2,526,391, Oct. 17.

Morgan, Russell, Parlin, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Hydrogenation of alkyd resins. 2,519,492, Aug. 22.

Morgan, Russell H., and P. C. Hodges, Chicago, Ill., assignors to the United States of America as represented by the Secretary of War. Reciprocator for X-ray apparatus. 2,504,864, Apr. 18.

Morgan, Russell H., and P. C. Hodges, Chicago, Ill., assignors to the United States of America as represented by the Secretary of War. Limit timer for protection of X-ray tubes. 2,504,865, Apr. 18.

Morgan, Russell L.: *See*—
Dixon, James K., and Morgan.

Morgan, Thomas D., Bartlesville, Okla., assignor to Phillips Petroleum Company. Electrical computing device. 2,500,997, Mar. 21.

Morgan, Thomas J., and G. P. Hazzard, assignors to Ampro Corporation, Chicago, Ill. Lens focusing and adjusting device. 2,493,463, Jan. 3.

Morgan, Weld, assignor to Morgan Construction Company, Worcester, Mass. Wire drawing block. 2,530,624, Nov. 21.

Morgan, Willard L.: *See*—
Colbert, William H., and Morgan.
Colbert, William H., Morgan, and Weinrich.
Colbert, William H., Weinrich, and Morgan.

Morgan, Willard L., Haverford, Pa., assignor to Arnold, Hoffman & Co., Incorporated. Water-soluble urea resins. 2,501,783, Mar. 28.

Morgan, Willard L., Columbus, and C. R. Faelten, Clinton Township, Frankling County, Ohio, assignors to American-Maize Products Company. Production of plasticized prolamine and derivative compositions. 2,507,263, May 9.

Morgan, Woods, Charlotte, N. C. Neck rest for shampooing. 2,494,957, Jan. 17.

Morgana, Morley: *See*—
Fieser, Louis F., Harris, Hershberg, Morgana, Novello, and Putnam.

Morganson, Peter H.: *See*—
Poole, Arthur B., and Morganson.

Morgenstern, Charles E.: *See*—
Geldhof, Peter E., and Morgenstern.

Morgenstern, Charles E., and R. E. Lake, assignors to Nineteen Hundred Corporation, St. Joseph, Mich. Wringer head mechanism. 2,535,748, Dec. 26.

Moriarty, Charles D., Schenectady, N. Y., assignor to General Electric Company. X-ray absorption photometer. 2,503,062, Apr. 4.

Morin, Louis H., executor: *See*—
Marinsky, Davis.

Morin, Louis H., Bronx, N. Y. Scoop for separable fastener stringers. 2,493,308, Jan. 3.

Morin, Louis H., Bronx, N. Y. Separable fastener stringer. 2,493,309, Jan. 3.

Morin, Louis H., Bronx, N. Y. Forming separable fastener stringers. 2,495,592, Jan. 24.

Morin, Louis H., assignor of one-half to D. Marinsky, Bronx, N. Y.; L. H. Morin, executor of said D. Marinsky, deceased. Casting separable fastener stringers. 2,496,130, Jan. 31.

Morin, Louis H., Bronx, N. Y. Coreless scoop machine. 2,497,010, Feb. 7.

Morin, Louis H., Bronx, N. Y. Slider check for separable fasteners. 2,506,965, May 9.

Morin, Louis H., New York, N. Y., assignor to Industrial Tape Corporation. Adhesive tape applier. 2,510,131, June 6.

Morin, Louis H., Bronx, N. Y. Automatic lock slider. 2,512,213, June 20.

Morin, Louis H., Bronx, N. Y. Die for forming undercut castings. 2,514,893, July 11.

Morin, Louis H., assignor of one-half to D. Marinsky, deceased, Bronx, N. Y.; L. H. Morin, executor of said D. Marinsky. Side coupling separable fastener stringer. 2,517,402, Aug. 1.

Morin, Louis H., Bronx, N. Y. Interlock slider. 2,517,403, Aug. 1.

Morin, Louis H., Bronx, N. Y. Reversible automatic lock slider for separable fasteners. 2,520,326, Aug. 29.

Morin, Louis H., Bronx, N. Y. Trouser bottom stop attaching machine. 2,524,533, Oct. 3.

Morin, Louis H., Bronx, N. Y. Automatic lock slider. 2,533,034, Dec. 5.

Morin, Louis H., Bronx, N. Y. Pneumatic safety stop for die closures. 2,533,035, Dec. 5.

Morin, Louis H., Bronx, N. Y. Pull apart separable fastener. 2,535,504, Dec. 26.

Morin, Louis H., Bronx, N. Y. Die-cast slider pull with formed pivot bearings. 2,535,505, Dec. 26.

Morin, Louis H., Bronx, N. Y. Automatic lock slider. 2,535,506, Dec. 26.
Morin, Louis H., Bronx, and O. Gries, New Rochelle, N. Y., said Gries assignor of one-half to Crown Fastener Corporation, Warren, R. I. Method and apparatus for forming and trimming die castings. 2,496,131, Jan. 31.
Morin, Louis H., Bronx, and O. Gries, New Rochelle, N. Y., said Gries assignor to Crown Fastener Corporation. Apparatus for casting enlarged bodies on pins or rods. 2,506,966, May 9.
Morin, Paul E., assignor to P. M. Stamping Device Company Limited, Montreal, Quebec, Canada. Stamping device. 2,506,729, May 9.
Morishita, David S. and H. C., Honolulu, Hawaii. Orange peeler. 2,528,071, Oct. 31.
Morishita, Hazel C. : *See*—
Morishita, David S. and H. C.
Morison, Charles R., Glenshaw, Pa., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Coating and sizing composition. 2,527,643, Oct. 31.
Morisuye, Masanobu, Sharon, Pa., and R. J. Niemela, Cleveland, Ohio, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Bushing mounting structure. 2,508,184, May 16.
Mork, George W., assignor to Bucyrus-Erie Company, South Milwaukee, Wis. Differential cylinder-piston assembly. 2,505,786, May 2.
Mork, George W., assignor to Bucyrus-Erie Company, South Milwaukee, Wis. Intermittently loading scraper. 2,511,866, June 20.
Mork, George W., assignor to Bucyrus-Erie Company, South Milwaukee, Wis. Tractor-implement supporting cradle. 2,519,974, Aug. 22.
Mork, George W., and G. Reuter, assignors to Bucyrus-Erie Company, South Milwaukee, Wis. Fairlead for semitrailer scrapers or wagons. 2,497,900, Feb. 21.
Mork, Raymond P., assignor to The Baldwin Company, Cincinnati, Ohio. Volume control switch and the like. 2,498,569, Feb. 21.
Morkoski, James, Canton, Ill., assignor to International Harvester Company. Agricultural implement. 2,518,360, Aug. 8.
Morlan, Erwin A., and H. B. Woods, assignors to Hughes Tool Company, Houston, Tex. Bit and cutter therefor. 2,527,838, Oct. 31.
Morlan, Erwin A., and H. B. Woods, assignors to Hughes Tool Company, Houston, Tex. Drill cutter. 2,533,258, Dec. 12.
Morlan, George S., assignor of one-third to W. A. Hite and one-third to W. E. Hirtensteiner, Redondo Beach, Calif. Clamping device. 2,503,123, Apr. 4.
Morley, Charles E., Detroit, Mich. Fastening device. 2,495,123, Jan. 17.
Morley, Cyril W. J. : *See*—
Hollingsworth, Douglas T., and Morley.
Morley, Frederick W. W., Aston-on-Trent, assignor to Rolls-Royce Limited, Derby, England. Bearing for turbines and the like. 2,493,160, Jan. 3.
Morley, Frederick W. W., Aston-on-Trent, Derby, assignor to Rolls-Royce Limited, Derby, England. Mounting of gas turbine engines in aircraft. 2,529,955, Nov. 14.
Morner, Hans G., New York, N. Y. Upholstery unit. 2,495,124, Jan. 17.
Morningstar, Alvie S., assignee : *See*—
Bierig, Carl W.
Moroney, Carl J. : *See*—
Alston, Paul W., Moroney, and Gray.
Moroney, Raymond A., assignor to Central Manufacturing Company, Chicago, Ill. Toy cycle. 2,527,684, Oct. 31.
Morr, Bert L., C. A. Butts, and E. H. Walters, Ashland, Ohio, assignors to Ashland Rubber Products Corporation. Dipped balloon. 2,515,727, July 18.
Morrell, Charles E. : *See*—
Beach, Leland K., and Morrell.
McAteer, James H., Morrell, Small, and Yowell.
Morrell, Charles E., Westfield, L. K. Beach, Mountainside, and M. E. Cunningham, Red Bank, N. J., assignors to Standard Oil Development Company. Production of maleic acid from branched-chain dienes. 2,504,034, Apr. 11.
Morrell, Charles E., Westfield, and L. M. Welch, Madison, N. J., assignors to Standard Oil Development Company. Preparation of alicyclic oxygen compounds. 2,514,329, July 4.
Morrell, Charles E., Westfield, H. W. Scheeline, Llewellyn Park, C. S. Carlson, and H. J. Heineman, Jr., Elizabeth, N. J., assignors to Standard Oil Development Company. Producing cycloalkadiene from petroleum oils. 2,511,936, June 20.
Morrell, Jacque C., Merion, Pa. Coated metal container. 2,517,226, Aug. 1.
Morrell, Jacque C., and G. T. Tobiasson, Chicago, Ill., assignors, by mesne assignments, to the United States of America as represented by the Secretary of War. Preparation of a protective adsorbent carbon. 2,511,288, June 13.
Morrell, Jacque C., and G. T. Tobiasson, Chicago, Ill., assignors, by mesne assignments, to the United States of America as represented by the Secretary of War. Activated protective carbon. 2,511,289, June 13.
Morrell, Jacque C., G. T. Tobiasson, and J. F. Wright, Chicago, Ill., assignors, by mesne assignments, to the United States of America as represented by the Secretary of War. Impregnating activated carbon. 2,511,290, June 13.
Morrell, Jacque C., and G. T. Tobiasson, Chicago, Ill., assignors to the United States of America as represented by the Secretary of War. Carbon impregnated with sodium cyanate and copper oxide. 2,513,508, July 4.
Morrell, Jacque C., and G. T. Tobiasson, Chicago, Ill., assignors, by mesne assignments, to the United States of America as represented by the Secretary of War. Production of a protective carbon. 2,523,875, Sept. 26.
Morren, Henri G., Forest-Brussels, Belgium. Preparing 3.5-diiodochelidamic acid. 2,523,712, Sept. 26.
Morrill, Alfred R., deceased, by R. W. Morrill, administratrix, Woodstock, Vt., assignor to United Shoe Machinery Corporation, Flemington, N. J. Shoe sewing machine. 2,502,058, Mar. 28.
Morrill, Alfred R., deceased, Woodstock, Vt.; R. W. Morrill, administratrix, Woodstock, Vt., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for making stitchdown shoes. 2,502,629, Apr. 4.
Morrill, Alfred R., deceased, Woodstock, Vt., by R. W. Morrill, administratrix, Woodstock, Vt., assignor to United Shoe Machinery Corporation, Flemington, N. J. Shoe machine. 2,503,166, Apr. 4.
Morrill, Alfred R., deceased, by R. W. Morrill, administratrix, Woodstock, Vt., assignor to United Shoe Machinery Corporation, Flemington, N. J. Shoe machine. 2,512,436, June 20.
Morrill, Alfred R., deceased, by R W. Morrill, administratrix, Woodstock, Vt., assignor to United Shoe Machinery Corporation, Flemington, N. J. Shoe machine. 2,529,095, Nov. 7
Morrill, Henry L. : *See*—
Dvornikoff, Michael N., and Morrill.
Morrill, Henry L., Clayton, assignor to Monsanto Chemical Company, St. Louis, Mo. Making 4,5-dihydroimidazoles. 2,508,415, May 23.
Morrill, Henry L., Clayton, assignor to Monsanto Chemical Company, St. Louis, Mo. Herbicidal formulations. 2,519,780, Aug. 22.
Morrill, Henry L., Clayton, Mo., and C. J. Weinman, Champaign, Ill., assignors to Monsanto Chemical Company, St. Louis, Mo. Chlorinated orthonitrobiphenyl miticide composition. 2,524,069, Oct. 3.
Morrill, Ruth W., administratrix : *See*—
Morrill, Alfred R.
Morrill, Vaughan, Jr., assignor to American Stove Company, St. Louis, Mo. Phenol esters of silicon oxychlorides and producing them. Re. 23,274, Sept. 26.
Morrill, Wayne J., Fort Wayne, Ind. Record releasing mechanism. 2,507,041, May 9.
Morrill, Wayne J., Fort Wayne, Ind. Rotor for dynamoelectric machines. 2,516,901, Aug. 1.
Morrill, Weston, Pittsfield, Mass., assignor to General Electric Company. Coating magnetic materials. 2,515,788, July 18.
Morrill, Weston, and C. G. Dunn, Pittsfield, Mass., and R. Ward, Richland, Wash., assignor to General Electric Company. Heat-treatment of cold rolled silicon steel strip. 2,534,141, Dec. 12.
Morris, Alan, Nichols, assignor to Bridgeport Brass Company, Bridgeport, Conn. Copper base alloy and conductor and manufacture thereof. 2,504,935, Apr. 18.
Morris, Alberto J., assignor to R. A. Lister & Company Limited, Dursley, England. Plate type heat exchanger. 2,528,013, Oct. 31.
Morris, Alexander B., San Antonio, Tex. Apparatus for cleaning and/or grading for size, sand, or other similar substances. 2,519,781, Aug. 22.
Morris, Bert N., Co., assignee : *See*—
Maldonado, Joseph.
Morris, Charles E. : *See*—
Potts, Ralph H., and Morris.
Morris, Charles O., Van Nuys, assignor to The Garrett Corporation, Airesearch Manufacturing Company division, Los Angeles, Calif. Anchored connector. 2,514,006, July 4.
Morris, Charles W., assignor to The Garrett Corporation, Airesearch Manufacturing Company division, Los Angeles, Calif. Expansion means for cooling an aircraft cabin. 2,518,246, Aug. 8.
Morris Development Co., assignee : *See*—
Morris, Donald W.
Morris, Donald W., North Hollywood, assignor to Morris Development Co., Los Angeles, Calif. Internal-combustion engine. 2,507,923, May 16.
Morris, Edward H. : *See*—
Chilman, John A., Mapp, and Morris.
Morris, Edward W., deceased, late of Rutherford, N. J., by M. W. Morris, administratrix, Dayton, Ohio, assignor to Curtiss-Wright Corporation. Tandem propeller. 2,525,708, Oct. 10.
Morris, Elmer L., Mobile, Ala. Bumper for automobiles. 2,508,836, May 23.
Morris, Elton K., assignor to The Dow Chemical Company, Midland, Mich. Coagulation of nonelastic polymers. 2,530,362, Nov. 14.
Morris, Frank A., Rochester, N. Y., assignor to Stromberg-Carlson Company. Private branch exchange trunk-hunting connector switch circuit. 2,506,730, May 9.

Morris, George S., New York, N. Y. Humidifier. 2,508,530. May 23.
Morris, Gerald E., Tipp City, Ohio. Fluid flow direction indicator. 2,515,251. July 18.
Morris, Harry C., and J. Jacques, Philadelphia, Pa. Key winder and casing for dispensing contents of collapsible tubes. 2,530,476, Nov. 21.
Morris, Herbert E., La Marque, and D. M. Evans, Texas City, Tex., assignors to Monsanto Chemical Company, St. Louis, Mo. Producing ethylbenzene. 2,498,567, Feb. 21.
Morris, Hy D., Baldwin, assignor to Universal Fountain Pen & Pencil Company, New York, N. Y. Ball-pointed pen. 2,500,998, Mar. 21.
Morris, Isaac A.: *See*—
Olson, Abraham D. and Morris.
Morris, Ivan I., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Rim member and making it. 2,504,144, Apr. 18.
Morris, John C., Sudbury, Mass., assignor to the United States of America as represented by the Secretary of War. Aluminum hexacarbamide periodide as water disinfectant. 2,498,174, Feb. 21.
Morris, John E., Elizabethtown, Ky. Stair climbing practice assembly. 2,500,425, Mar. 14.
Morris, John N., and R. L. Kent, Birmingham, England. Pump. 2,523,964, Sept. 26.
Morris, John P., Hinsdale, Ill. Packing keeper. 2,503,122, Apr. 4.
Morris, Leonard, New York, N. Y. Hydraulic brake safety device. 2,529,306, Nov. 7.
Morris, Lloyd C., Bartlesville, Okla., assignor to Phillips Petroleum Company. Prevention of deterioration of hydrocarbon materials. 2,526,962, Oct. 24.
Morris, Lloyd C., Bartlesville, Okla., assignor to Phillips Petroleum Company. Stabilizing hydrocarbons. 2,526,963, Oct. 24.
Morris, Lloyd P., Elmwood Park, J. R. Slatkay, Chicago, and M. F. Spotts, Evanston, assignors to Motorola Inc., Chicago, Ill. Antenna. 2,524,534, Oct. 3.
Morris Machine Works, assignee: *See*—
Sochia, George.
Morris, Martha W., administratrix: *See*—
Morris, Edward W.
Morris Motors Limited, assignee: *See*—
Landstad, Halvor F.
Morris, Nathan K., Asbury Park, N. J. Metal combined shredder and grater. 2,500,560, Mar. 14.
Morris, Nathan K., Asbury Park, N. J. Vegetable slicer. 2,501,076, Mar. 21.
Morris, Orval: *See*—
Tungett, George, Helms, and Morris.
Morris, Owen, Brooklyn, N. Y. Magnetized article. 2,508,075, May 16.
Morris Paper Mills, assignee: *See*—
Arneson, Edwin L.
Bell, John G.
Clarke, John D.
Lebold, Samuel N.
Morris, Raymond A., and F. A. Iverson, assignors to Edwin I. Guthman & Co., Inc., Chicago, Ill. Loop antenna. 2,494,255, Jan. 10.
Morris, Raymond C., Dayton, Ky. Tongs for suspending a paint can or the like. 2,507,675, May 16.
Morris, Robert C., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Drier for fabrics or the like. 2,503,448, Apr. 11.
Morris, Rupert C.: *See*—
Ballard, Seaver A., and Morris.
Ballard, Seaver A., Morris, and Van Winkle.
Elam, Daniel W., Morris, and Van Winkle.
Watson, Forrest J., and Morris.
Morris, Rupert C., Berkeley, and J. L. Van Winkle, San Lorenzo, assignors to Shell Development Company, San Francisco, Calif. Substituted ethers of cyclic sulfones. 2,494,515, Jan. 10.
Morris, Rupert C., Berkeley, and J. L. Van Winkle, San Lorenzo, assignors to Shell Development Company, San Francisco, Calif. Thioethers of polyalkylated cyclic sulfones. 2,495,467, Jan. 24.
Morris, Rupert C., Berkeley, and A. V. Snider, Richmond, assignors to Shell Development Company, San Francisco, Calif. Diallyl-3,5-dimethylphthalate polymer. 2,501,610, Mar. 21.
Morris, Rupert C., Berkeley, and J. L. Van Winkle, San Lorenzo, assignors to Shell Development Company, San Francisco, Calif. Asymmetrical sulfolanyl ethers of heterocyclic alcohols. 2,504,098, Apr. 18.
Morris, Rupert C., Berkeley, and J. L. Van Winkle, San Lorenzo, assignors to Shell Development Company, San Francisco, Calif. Cyclohexyl ethers of cyclic sulfones. 2,504,099, Apr. 18.
Morris, Rupert C., Berkeley, and J. L. Van Winkle, San Lorenzo, assignors to Shell Development Company, San Francis, Calif. Preparing copolymers from alkylene glycols and di(hydroxyalkyl) sulfides. 2,518,245, Aug. 8.
Morris, Rupert C., Berkeley, and A. V. Snider, Richmond, assignors to Shell Development Company, San Francisco, Calif. Polymers of trimethylene glycol. 2,520,733, Aug. 29.
Morris, Rupert C., Berkeley, and A. V. Snider, Richmond, assignors to Shell Development Company, San Francisco, Calif. Cyclic sulfone amines. 2,530,070, Nov. 14.
Morris, Vergil J., Pasadena, Calif. Foot warmer. 2,513,733, July 4.
Morris, Walter T.: *See*—
Kellogg, William D., Eshleman, and Morris.
Morris, William C., Hayfield Heights, assignor to The Harshaw Chemical Company, Elyria, Ohio. Screen oil. 2,501,646, Mar. 21.
Morris, William C., Mayfield Heights, and S. Z. Cardon, Cleveland, assignors to The Harshaw Chemical Company, Elyria, Ohio. Screen oil. 2,505,740, Apr. 25.
Morris, William C., Sharon Hill, Pa., assignor to General Electric Company. Transformer differential relay. 2,528,240, Oct. 31.
Morris, William L., Bartlesville, Okla., assignor to Phillips Petroleum Company. Apparatus for determining the permeability of cores. 2,521,079, Sept. 5.
Morris, William P., Lovington, N. Mex. Well drilling guide tool. 2,495,073, Jan. 17.
Morrison, Alfred C., Quorn, England. Combustion chamber for internal-combustion engines. 2,504,036, Apr. 11.
Morrison, Archie C., Napa, Calif. Inflatable and collapsible map. 2,526,764, Oct. 24.
Morrison, Archie T.: *See*—
Johnson, Carl A. P., and Morrison.
Morrison, Bert, Detroit, Mich. Knitting needle. 2,535,315, Dec. 26.
Morrison, Clyde W., Bartlesville, Okla., assignor to National Zinc Company, Inc., New York, N. Y. Zinc smelting. 2,493,823, Jan. 10.
Morrison, David, Manitowoc, Wis., assignor to Paragon Electric Company, Two Rivers, Mich. Timing and signaling system for soup heating cups. 2,509,693, May 30.
Morrison, David, Manitowoc, assignor to Paragon Electric Company, Two Rivers, Wis. Manually preset timer. 2,521,301, Sept. 5.
Morrison, David, Manitowoc, assignor to Paragon Electric Company, Two Rivers, Wis. Timer for automatically defrosting refrigerators. 2,530,985, Nov. 21.
Morrison, David, and J. J. Everard, Manitowoc, assignors to Paragon Electric Company, Two Rivers, Wis. Time-controlled electric switch. 2,528,841, Nov. 7.
Morrison, David R., Vancouver, British Columbia, Canada. Lawn rake. 2,510,188, June 6.
Morrison, Ernest, Pittsburgh, Pa. Bushing replacer. 2,520,162, Aug. 29.
Morrison, George E., Minneapolis, assignor to C. P. Halligan, St. Louis Park, Minn. Pressure cooker closure for cooking vessels. 2,524,632, Oct. 3.
Morrison, Hackley, Houston, Tex. Oscillating fan. 2,510,132, June 6.
Morrison, Hackley, Houston, Tex., assignor, by mesne assignments, to H. Morrison, Jr. Ventilating fan for windows. 2,529,040, Nov. 7.
Morrison, Hackley, Jr., assignee: *See*—
Morrison, Hackley.
Morrison, Harry, Pittsburgh, Pa. Abdominal support. 2,498,290, Feb. 21.
Morrison, Heber J.: *See*—
Young, Harry D., and Morrison.
Morrison, Hugh O., Birmingham, Ala. Pot well scraper. 2,499,521, Mar. 7.
Morrison, Hugh S., assignor to Fairfield Paper and Container Company, Baltimore, Ohio. Sheet conveying, stacking, and delivering apparatus. 2,506,550, May 2.
Morrison, James J., Saratoga Springs, N. Y. Combined awning and shutter. 2,524,464, Oct. 3.
Morrison, James, L. D.: *See*—
Miller, Walter, and Morrison.
Morrison, James R.: *See*—
Dotts, Walter M., Jr., and Morrison.
Morrison, John, Franconia, N. H. Hammer toy. 2,530,898, Nov. 21.
Morrison, John, Sugar Hill, N. H. Hammer-peg board. 2,523,965, Sept. 26.
Morrison, Michael H., assignor to William Haines, Incorporated, Los Angeles, Calif. Hinge construction for receptacles and the like. 2,520,508, Aug. 29.
Morrison, Montford, Upper Montclair, N. J., assignor to Ritter Company, Inc., Rochester, N. Y. Making cores for electrical apparatus. 2,493,414, Jan. 3.
Morrison, Montford, Upper Montclair, N. J., assignor to Ritter Company, Inc., Rochester, N. Y. Method of and apparatus for energizing self-rectifying loading devices. 2,495,122, Jan. 17.
Morrison, Montford, Upper Montclair, N. J. Carrier-current signal system. 2,501,574, Mar. 21.
Morrison, Montford, Upper Montclair, N. J. Magnetic disk record. 2,509,012, May 23.
Morrison, Nathan H., Lowell, Mass., assignor, by mesne assignments, to W. Lewis, as trustee. Apparatus for removing a protective sheet from a card aperture and for mounting a selected microfilm therein. 2,493,159, Jan. 3.
Morrison, Orville C. and S. O., Media, J. G. Wehrwein, Havertown, and E. A. Gott, Lansdowne, Pa., assignors to Sunroc Refrigeration Company, Dover, Del. Refrigerator and water cooler. 2,536,009, Dec. 26.
Morrison, Paul O., Jr., Norman, Okla. Braking system. 2,515,729, July 18.
Morrison, Peter R.: *See*—
Ferry, John D., and Morrison.
Morrison, Samuel O.: *See*—
Morrison, Orville C. and S. O., Wehrwein, and Gott.

Morrison, Samuel O., Media, Pa., assignor to Sunroc Refrigeration Company, Dover, Del. Refrigeration unit vibration mounting. 2,521,645, Sept. 5.
Morrison, Samuel O., Media, Pa., assignor to Sunroc Refrigeration Company, Dover, Del. Refrigerated drinking fountain. 2,525,709, Oct. 10.
Morrison, Samuel O., Media, Pa., assignor to Sunroc Refrigeration Company, Dover, Del. Water cooler having adjustable drinking water temperature and water bleed. 2,529,781, Nov. 14.
Morrison, Samuel O., Media, Pa., assignor to Sunroc Refrigeration Company, Dover, Del. Safety refrigerator. 2,529,782, Nov. 14.
Morrison, Samuel O., Pine Ridge, Pa., assignor to Sunroc Refrigeration Company, Dover, Del. Water cooler. 2,512,961, June 27.
Morrison, Walter L.: *See*— Howard, Archie, and Morrison.
Morrison, Willard L., Highland Park, Ill. Demountable refrigerator. 2,502,581, Apr. 4.
Morrison, Willard L., Highland Park, Ill. Dilution of refrigerant gases. 2,507,380, May 9.
Morrison, Willard L., Highland Park, Ill. Cold element for demountable refrigerators. 2,509,779, May 30.
Morrison, Willard L., Highland Park, Ill. Insulated shipping container. 2,526,036, Oct. 17.
Morrison, Willard L., Lake Forest, Ill. Drier. 2,495,535, Jan. 24.
Morrison, Willard L., Lake Forest, Ill. Valved connection for demountable structures. 2,502,630, Apr. 4.
Morrison, Willard L., Lake Forest, Ill. Refrigerant control system. 2,502,663, Apr. 4.
Morrison, Willard L., Lake Forest, Ill. Refrigerator. 2,507,378, May 9.
Morrison, Willard L., Lake Forest, Ill. Demountable cold box. 2,507,379, May 9.
Morrison, Willard L., Lake Forest, Ill. Restrictor. 2,511,733, June 13.
Morrison, Willard L., Lake Forest, Ill. Shipping container. 2,516,405, July 25.
Morrison, Willard L., Lake Forest, Ill. Apparatus for shipping perishable articles. 2,521,080, Sept. 5.
Morrison, Willard L., Lake Forest, Ill. Drier. 2,521,081, Sept. 5.
Morrison, Willard L., Lake Forest, Ill. Defrosting system. 2,524,465, Oct. 3.
Morrison, Willard L., Jr., assignor to West Bend Aluminum Co., West Bend, Wis. Anchoring piece for handles for the sides of cooking utensils. 2,506,465, May 2.
Morrison, Willard L., Jr., assignor to West Bend Aluminum Co., West Bend, Wis. Pressure cooker and pressure regulator therefor. 2,530,534, Nov. 21.
Morrison, Willard L., Jr., and A. A. Vandeloo, assignors to West Bend Aluminum Co., West Bend Wis. Handle for utensils and prestressed attaching means therefor. 2,504,344, Apr. 18.
Morrison, William B., Verdun, Quebec, Canada, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Antenna tuning control system. 2,498,340, Feb. 21.
Morrison, William J., Chicago, Ill. Ornamental illuminated device. 2,493,991, Jan. 10.
Morrone, John J., Philadelphia, Pa. Drink dispenser and counter. 2,504,145, Apr. 18.
Morrone, Joseph A., Westerly, R. I. Antiskid device for tires. 2,504,568, Apr. 18.
Morrow, Charles T., Cambridge, Mass., assignor to the United States of America as represented by the Office of Scientific Research and Development. Noise shield for microphones. 2,508,581, May 23.
Morrow, George R., Tulsa, Okla., assignor to Century Geophysical Corporation. Vibratory assembly for galvanometers. 2,519,591, Aug. 22.
Morrow, Harry C., Gary, Ind., assignor to Carnegie-Illinois Steel Corporation. Tin pot. 2,509,515, May 30.
Morrow, James B., Salt Lake City, Utah, assignor to Koppers Company, Inc., Pittsburgh, Pa. Flotation process. 2,512,669, June 27.
Morrow, Joseph H., Hokendauqua, assignor to Fuller Company, Catasauqua, Pa. Method and apparatus for handling pulverulent materials. 2,509,983, May 30.
Morrow, Joseph H., Hokendauqua, assignor to Fuller Company, Catasauqua, Pa. Method and apparatus for handling pulverulent materials. 2,509,984, May 30.
Morrow, Joseph H., Hokendauqua, assignor to Fuller Company, Catasauqua, Pa. Apparatus for delivering pulverulent material to a bag from sources of supply through containers under constant head, volumetric feeder means, and a packer. 2,509,985, May 30.
Morrow, Joseph T., Mobile, Ala. Illuminated antenna for automobiles. 2,522,189, Sept. 12.
Morrow, Marvin E., Tulsa, Okla., assignor to Century Geophysical Corporation. Galvanometer. 2,519,689, Aug. 22.
Morrow, Robert H., assignor of one-third to W. C. Morrow and one-third to T. R. Morrow, Harriman, Tenn. Latching device. 2,502,168, Mar. 28.
Morrow, Theodore R., assignee: *See*— Morrow, Robert H.
Morrow, William C., assignee: *See*— Morrow, Robert H.
Morsch, Albert C., Jacksonville, Fla. Iron storing rack. 2,510,711, June 6.
Morscher, Mae E., Chicago, Ill. Luggage carrier. 2,497,033, Feb. 7.
Morse, Arthur L., Auburndale, Mass. Folding shelf support. 2,516,237, July 25.
Morse Boulger Destructor Company, assignee: *See*— Martin, Warren S., and Hennig.
Mayer, Augustine.
Morse Chain Company, assignee: *See*— Bremer, Norman C.
Morse, Charles P., Bridgeport, Conn. Cigarette lighter. 2,521,180, Sept. 5.
Morse, Charles P., Bridgeport, Conn. Cigarette lighter. 2,521,181, Sept. 5.
Morse, Emery W., Sunnyvale, Calif. Collapsible core. 2,507,924, May 16.
Morse, Glenn, assignor to King-Seeley Corporation, Ann Arbor, Mich. Switch mechanism. 2,507,381, May 9.
Morse, John E., Brooklyn, N. Y. Production of metallic printing members. 2,506,164, May 2.
Morse, John F., Hudson, Ohio. Combined manual and follow-up pressure fluid power unit. 2,528,901, Nov. 7.
Morse, John F., Hudson, Ohio. Marine engine control mechanism. 2,530,205, Nov. 14.
Morse, John F., Hudson, Ohio. Control mechanism for marine steering gear. 2,495,536, Jan. 24.
Morse, John F., Hudson, Ohio. Docking light. 2,504,866, Apr. 18.
Morse, John F., Hudson, Ohio. Photographic developing tray holder. 2,508,886, May 23.
Morse, John F., Hudson, Ohio. Control mechanism for hydraulic power units. 2,523,665, Sept. 26.
Morse, Lawrence H., Mentor, assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio. Plate mounting means for rotary printing machines. 2,525,931, Oct. 17.
Morse, Leland M.: *See*— Balden, Alvin R., and Morse.
Morse, Malcolm W., Wellesley Hills, Mass. Aircraft landing wheel prerotation means. 2,521,864, Sept. 12.
Morse, Park L., Emporia, Kans. Rhythm calculator. 2,513,196, June 27.
Morse, Park L., Emporia, Kans. Rhythm cycle calculator. 2,532,819, Dec. 5.
Morse, Rupert O., and J. W. Nuttall, Hamilton, Ontario, Canada, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Tipping-off operation and product. 2,496,303, Feb. 7.
Morse, Shirley P., East Haven, assignor to The A. C. Gilbert Company, New Haven, Conn. Motor speed and circuit governor. 2,506,312, May 2.
Morse, Stanley H., Dearborn, and E. E. Evans, Wayne, Mich. Heating system. 2,500,642, Mar. 14.
Morsegraph Inc., assignee: *See*— Hand, Leslie T.
Morten, Charles A., Laurel, Nebr. Automatic ventilator screen. 2,507,171, May 9.
Morten, Louis G.: *See*— O'Brien, Joseph F., and Morten.
Mortensen, Jorgen, Sitka, Territory of Alaska. Trolling lead. 2,502,875, Apr. 4.
Morthland-Farrel, Inc., assignee: *See*— Fraser, Reginald S., and Morthland.
Morthland, George W.: *See*— Fraser, Reginald S., and Morthland.
Mortimer, Edmund W., assignor to The Garrard Engineering & Manufacturing Company Limited, Swindon, England. Mounting of gramophone units and the like. 2,507,806, May 16.
Mortimer, Robert H.: *See*— Ballard, Seaver A., Geyer, and Mortimer.
Geyer, Bradford P., and Mortimer.
Mortimer, Thomas B., Methuen, Mass., assignor to Patchogue-Plymouth Mills Corporation, New York, N. Y. Shuttle. 2,535,806, Dec. 26.
Morton, Cecil J.: *See*— Woodfield, Thomas H., and Morton.
Morton, Cecil J., Coventry, and T. H. Woodfield, Birmingham, England, assignors to General Electric Company. Bearing mounting. 2,534,142, Dec. 12.
Morton, Charles A., assignee: *See*— Schmitt, Frank R.
Morton, Edmund R., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Motor control circuit. 2,495,382, Jan. 24.
Morton, Edmund R., Brooklyn, N. Y., and H. M. Stoller, Mountain Lakes, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Slow-acting quick-release relay. 2,516,790, July 25.
Morton, George A.: *See*— Flory, Leslie E., Ruedy, and Morton.
Morton, George A., Princeton, N. J., assignor to Radio Corporation of America. Scintillation type radiation detector and coincidence circuit therefor. 2,517,404, Aug. 1.
Morton, George A., Princeton, N. J., assignor to Radio Corporation of America. Electronic computer. 2,525,077, Oct. 10.
Morton Gregory Corporation, assignee: *See*— Evans, Charles S.
Morton, Jack A., Neshanic Station, and R. L. Vance, Westfield, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge device for ultra high frequencies. 2,502,530, Apr. 4.

Morton, Jack A., Neshanic Station, and R. M. Ryder, Summit, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge device. 2,502,531, Apr. 4.

Morton, Leonard, Rochester, N. Y. Electric iron cord support. 2,503,124, Apr. 4.

Morton, Mark: *See*—
Bennett, Theodore C., Morton, and Gloeckler.

Morton, Michael F., assignee: *See*—
Wong, Albert H. L.

Morton, Paul D.: *See*—
Olin, John F., and Morton.

Morton, Paul D., Riverview, Mich., assignor to Sharples Chemicals Inc. Resinous condensation products of urea, alkyl urea, formaldehyde and polyhydric alcohol or derivative thereof. 2,514,505, July 11.

Morton, Paul D., Riverview, Mich., assignor to Sharples Chemicals Inc. Sugar carbamates and resinous condensation products therefrom. 2,527,839, Oct. 31.

Morton, Peter, Leisure Wear, Inc., assignee: *See*—
Frankel, Peter.

Morton, Robert B., assignor to Stewart-Warner Corporation, Chicago, Ill. Windshield wiper. 2,513,247, June 27.

Morton Salt Company, assignee: *See*—
Bowes, Leslie H.
Lippman, Alfred, Jr.
Reeves, Howard F., Jr.

Morton, Thomas H., and F. Ward, Braintree, assignors to Courtaulds Limited, London, England. Fireproofing and creaseproofing of cellulose and protein textiles. 2,530,261, Nov. 14.

Morton, Walter N. T., Windsor, Ontario, Canada. Spray gun. 2,504,216, Apr. 18.

Morton, Whipple V., San Francisco, Calif. Diffusion apparatus. 2,505,716, Apr. 25.

Morton, William A., Mount Lebanon, Pa., assignor, by mesne assignments, to Manufacturers Trading Corporation, Cleveland, Ohio. Burner mounting for furnaces. 2,511,676, June 13.

Mortrude, William E., Jr., Seattle, Wash. Tieless concrete mold. 2,523,713, Sept. 26.

Morts, Charles N., Fulton, Mo. Screw driver. 2,513,509, July 4.

Mortsell, Hugo, The Pas, Manitoba, Canada. Ski and snowshoe harness. 2,516,238, July 25.

Mortson, Emmons T.: *See*—
Kennedy, Truman H., and Mortson.

Moru, Walter W., Knoxville, Tenn. Lumber pencil. 2,528,385, Oct. 31.

Morvey, Joseph E., Flushing, N. Y. Finger safety protector. 2,494,306, Jan. 10.

Morway, Arnold J.: *See*—
Rudel, Harry W., and Morway.
Zimmer, John C., and Morway.

Morway, Arnold J., Clark, and J. C. Zimmer, Union, N. J., assignors to Standard Oil Development Company. Reversible lubricating grease composition. 2,504,717, Apr. 18.

Morway, Arnold J., Clark Township, Union County, N. J., assignor to Standard Oil Development Company. Lubricating grease and preparing same. 2,514,286, July 4.

Morway, Arnold J., Clark Township, Union County, N. J., assignor to Standard Oil Development Company. Stabilized lubricating grease. 2,514,331, July 4.

Morway, Arnold J., Clark Township, Union County, N. J., assignor to Standard Oil Development Company. Lubricating grease. 2,515,133. July 11.

Morway, Arnold J., Clark, N. J., assignor to Standard Oil Development Company. Use of furfural in grease manufacture. 2,516,138, July 25.

Morway, Arnold J., Clark Township, Union County, N. J., and A. Beerbower, Baltimore, Md., assignors to Standard Oil Development Company. Aluminum soap greases. 2,521,395, Sept. 5.

Morway, Arnold J., Clark, N. J., A. Beerbower, Baltimore, Md., and J. C. Zimmer, Union, N. J., assignors to Standard Oil Development Company. Lubricating grease compositions. 2,497,133, Feb. 14.

Morway, Arnold J., Clark Township, Union County, and R. O'Halloran, Elizabeth, N. J., assignors to Standard Oil Development Company. Mixed base lubricating greases. 2,514,330, July 4.

Morway, Arnold J., Clark, and D. W. Young, Roselle, N. J., assignors to Standard Oil Development Company. Lubricating grease compositions. 2,516,136, July 25.

Morway, Arnold J., Clark, and J. J. Kolfenbach, Somerville, N. J., assignors to Standard Oil Development Company. High-temperature lubricating greases. 2,516,137, July 25.

Morway, Arnold J., Clark Township, Union County, N. J., and A. Beerbower, Baltimore, Md., assignors to Standard Oil Development Company. Lubricating grease compositions. 2,522,460, Sept. 12.

Moscowitz, Irene, Los Angeles, Calif. Massage mitten. 2,533,036, Dec. 5.

Mosebach Electric & Supply Company, assignee: *See*—
Kane, Stanley E.

Mosebach, Karl J., Pittsburgh, Pa.; Mary E. Mosebach or Marie E. Mosebach, administratrix of the estate of said Mosebach, deceased. Trolley wire connector. 2,498,568, Feb. 21.

Mosebach, Marie E., administratrix: *See*—
Mosebach, Karl J.

Mosby, Fink E., Jr., Santa Monica, Calif. Mixing and dispensing device. 2,518,709, Aug. 15.

Mosca, Renato, Trieste, Italy, assignor, by mesne assignments, to Macy Camera Corp., New York, N. Y. Photographic camera. 2,531,783, Nov. 28.

Mosciaro, Joseph, Englewood, N. J. Water container with heating coils. 2,508,794, May 23.

Moseley, Charles F., Bartlesville, Okla. Pumping unit. 2,523,444, Sept. 26.

Moseley, Francis L.: *See*—
Isbister, Eric J., and Moseley.

Moseley, Francis L., Osborn, Ohio, assignor to The Sperry Corporation. Radio controlled pilot system. 2,496,809, Feb. 7.

Moseley, Harry W., Warren, assignor to Republic Steel Corporation, Cleveland, Ohio. Carrying apparatus. 2,495,658, Jan. 24.

Moseley, James T. W., Clayton, assignor to Carter Carburetor Corporation, St. Louis, Mo. Manifold construction. 2,533,604, Dec. 12.

Moseley, Tomlinson L., Atherton, Calif. Radar scanner antenna feed. 2,505,424, Apr. 25.

Moser, Albert E., Dayton, Idaho. Phosphate distributing machine. 2,531,580, Nov. 28.

Moser, Carl, Larchmont, assignor to Lightolier Company, New York, N. Y. Lamp shade mount. 2,531,523, Nov. 28.

Moser, Helen A.: *See*—
Lewis, Arthur J. Moser and Cowan.

Moses, Adolph, assignor to Trubenizing Process Corporation, New York, N. Y. Apparatus for shrinkinng and pressing collars. 2,519,975, Aug. 22.

Moses, Clyde E.: *See*—
McFarlane, John W., and Moses.

Moses, Derwin E., assignor of one-half to G. Grosshans, Linden, N. J. Dual operated brake with adjusting means. 2,500,853, Mar. 14.

Moses, Edmund Q., Scarborough, N. Y. Plaster of Paris containing paper and making. 2,530,986, Nov. 21.

Moses, Harry, Brooklyn, N. Y. Comb-barrette. 2,496,487, Feb. 7.

Moses, Isaac, Jr., and S. E. Albert, New Kensington, Pa. Electrical receptacle with safety shutter. 2,528,014, Oct. 31.

Moses, John H., and J. S. Kessler, assignors to Tri-Clover Machine Co., Kenosha, Wis. Packing construction for pump shafts or the like. 2,509,162, May 23.

Mosesman, Max A., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Preparing a Fischer-Tropsch catalyst. 2,503,963, Apr. 11.

Mosesman, Max A., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Preparation of an iron-alkali metal ferrate catalyst. 2,503,964, Apr. 11.

Moshier, Charles C., Bethany, Ohio. Foot exercising machine. 2,513,197, June 27.

Mosier, Kenneth C., assignee: *See*—
Norgren, Carl A., and Mosier.

Mosier, Kenneth C., Denver, Colo. Pneumatic screw driver. 2,518,049, Aug. 8.

Mosimann, Walter: *See*—
Schaeppi, Johannes H., and Mosimann.

Mosinee Paper Mills Company, assignee: *See*—
McPherson, John A.

Moskowitz, Samuel, Bronx, N. Y. Toilet paper container. 2,534,290, Dec. 19.

Moskowitz, Seymour, Bronx, and D. Yellen, Brooklyn, N. Y. Hydraulic fluid device. 2,505,198, Apr. 25.

Mosler Safe Company, The, assignee: *See*—
Bremer, Frederick J.

Mosley, Alfred J., assignor to National Bronze & Aluminum Fdry. Co., Cleveland, Ohio. Current collector. 2,508,531. May 23.

Mosley, Carl E., Overland, assignor to W. N. Matthews Corporation, St. Louis, Mo. Current limiter. 2,518,361, Aug. 8.

Mosley, John H.: *See*—
Kimball, Wallace D., Currivan, and Mosley.

Mosman, Charles E., New Preston, Conn. Polarizing lens synchronizer for cameras. 2,535,591, Dec. 26.

Moss, Arthur L. C., and R. H. Goldsmith, New York, N. Y. Extensible cigarette. 2,494,776, Jan. 17.

Moss, Dean, assignor to Heat Equipment Company, Tulsa, Okla. Submergible heater for stock tanks. 2,535,545, Dec. 26.

Moss, Eric B., Cricklewood, London, assignor to S. Smith & Sons (England), Limited, London, England. Electric alarm clock control. 2,507,216, May 9.

Moss, George M., assignor to Robertshaw-Fulton Controls Company, Knoxville, Tenn. Clip board. 2,516,239, July 25.

Moss, James C., New York, N. Y., assignor to Celanese Corporation of America. Preventing tarnishing of the surfaces of silverware. 2,506,731, May 9.

Moss, Markus H., assignee: *See*—
Jodry, Frederick N.

Moss, Percy R., Birmingham, Ala., assignor to Tennessee Coal, Iron and Railroad Company. Apparatus for grooving rolls. 2,502,268, Mar. 28.

Moss, Philip H.: *See*—
Hook, Edwin O., and Moss.

Moss, Philip H., Nederland, Tex., assignor to American Cyanamid Company, New York, N. Y. Beta-chloropropionic and beta-chloroisobutyric acid nitriles. 2,524,020, Sept. 26.
Moss, Raymond F., Calera, and F. J. Miller, Durant, Okla. Self-propelled two-wheel timber-sawing machine. 2,524,466, Oct. 3.
Moss, Raymond H., Freeport, Ill. Mower blade. 2,517,405, Aug. 1.
Moss, Sanford A., Jr.: *See*— Hollihan, John P., Jr., and Moss.
Moss, William R., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Forming thermoplastic sheeting. 2,534,291, Dec. 19.
Mossberg, O. F., & Sons, Inc., assignee: *See*— Benson, Carl H.
Mossberg Pressed Steel Corporation, assignee: *See*— Olson, Robert V.
Mossett, James W., New York, N. Y. Phonograph record file. 2,532,673, Dec. 5.
Mossey, Joseph L., assignor to Bendix Aviation Corporation, South Bend Ind. Fluid pressure brake mounting. 2,495,074, Jan. 17.
Mosshart, Crockett: *See*— Benson, Arthur E., Howe, and Mosshart.
Mossin, Georg B., Oslo, Norway; vested in the Attorney General of the United States. Electrical heating device. 2,504,146, Apr. 18.
Mossman, Donald P., Chicago, Ill. Five position lever switch. 2,497,414, Feb. 14.
Mossman, Donald P., Sr., assignee: *See*— Peckham, Isidore F.
Mossman, Robert B.: *See*— White, John L., and Mossman.
Mosthaf, Edwin, Orange, assignor to Steatite Research Corporation, Keasbey, N. J. Heating grill. 2,494,447, Jan. 10.
Mosthaf, Edwin F.: *See*— Crowley, Henry L., Mosthaf, and Henderson.
Möstl, Antonín: *See*— Dobrý, Jaroslav, and Möstl.
Mote, Louis F., assignor of 49/100 to V. F. Fields, Atlanta, Ga. Cooking utensil. 2,508,963, May 23.
Moth, Robert H., assignor to The Pure Oil Company, Chicago, Ill. Switch for indicating failure of lubricating systems. 2,523,666, Sept. 26.
Motiograph, assignee: *See*— Wienke, Emil J.
Motion Picture Engineering Corporation, assignee: *See*— Bradford, Arthur J.
Motis, Gilbert M., Burbank, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Quick disconnect anchor fitting for Bowden cables. 2,509,445, May 30.
Motis, Gilbert M., Burbank, and J. D. Chapman, Inglewood, assignors to Northrop Aircraft, Inc., Hawthorne, Calif. Artificial arm. 2,516,791, July 25.
Motis, Gilbert M., Burbank, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Quick disconnect coupling for artificial hands or hooks. 2,516,792, July 25.
Motley, Lewis, London, England. Magazine rocket launcher. 2,517,333, Aug. 1.
Moto-Mower Company, The, assignee: *See*— Blydenburgh, Harold L.
George, Edwin S., and Blydenburgh.
Motor Products Corporation, assignee: *See*— Kellogg, Homer G.
Lane, Guy M., and Thunder.
Mackey, Henry W.
Whitmore, Harland W.
Motor Wheel Corporation, assignee: *See*— Figg, Basil D.
Figg, Basil D., and Miller.
Frederick, Fred A.
Hill, Vaughn H.
Horn, Harry J.
Jones, Don F., Miller and Figg.
Miller, John W.
Van Halteren, Andrew S.
Motorola, Inc., assignee: *See*— Becwar, Rudolph A.
Crooker, Robert M.
Dockendorff, Victor A.
Everitt, William L.
Fyler, George W.
Heisig, Garth J.
Jackson, Wilbur C.
Jackson, Wilbur C., and Clemens.
Mitchell, Donald H.
Moore, William C.
Morris, Lloyd P., and Slatkay.
Noble, Daniel E.
Taylor, Neil B.
Thompson, Reynald E.
Wallin, Gus W.
Williams, Fred B., and Hill.
Williams, Fred B., Hill, and Blinoff.
Motorspeed Corporation, assignee: *See*— Chin, Pao H., and Knauth.
Knauth, Berthold A., and Chin.
Motoview, Inc., assignee: *See*— Beatty, William E.
Miller, Max O.
Mott, Carl W., La Grange, Ill., assignor to International Harvester Company. Automatic release-and-catch coupling device. 2,497,319, Feb. 14.
Mott, Carl W., La Grange, assignor to Elgin Sweeper Company, Elgin, Ill. Body construction for street-sweeping machines. 2,505,199, Apr. 25.
Mott, Carl W., La Grange, Ill., assignor to International Harvester Company. Power-transmitting device. 2,507,733, May 16.
Mott, Carl W., La Grange, Ill., assignor to International Harvester Company. Lifting device for tractors. 2,513,955, July 4.
Mott, Carl W., La Grange, Ill., assignor to International Harvester Company. Hydraulic system for periodic transmission of power from constant delivery fluid service. 2,517,406, Aug. 1.
Mott, Carl W., Lake Ozark, Mo., assignor to International Harvester Company. Tractor-mounted loader. 2,524,203, Oct. 3.
Mott, Carl W., Lake Ozark, Mo., assignor to International Harvester Company. Plow depth control. 2,527,840, Oct. 31.
Mott, Carl W., La Grange, Ill., assignor to International Harvester Company. Opposed hydraulic ram power transmission, including hydraulically operated power transmission stop. 2,533,833, Dec. 12.
Mott, Chester, Evanston, assignor to National Cylinder Gas Company, Chicago, Ill. Pressure regulator for high-pressure oxygen. 2,524,231, Oct. 3.
Mott, Chester, Evanston, and A. F. Chouinard, assignors to National Cylinder Gas Company, Chicago, Ill. Motor speed control. 2,493,079, Jan. 3.
Mott, Chester, Evanston, A. F. Chouinard, and M. A. Tylutki, assignors to National Cylinder Gas Company, Chicago, Ill. Descaling burner. 2,532,567, Dec. 5.
Mott, Edward E., Upper Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Magnetostrictive transmitter. 2,497,901, Feb. 21.
Mott, Edward E., Upper Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Ring armature telephone receiver. 2,506,609, May 9.
Mott, Edward E., Upper Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electroacoustic transducer. 2,520,646, Aug. 29.
Mott, Harvey C., Adairsville, Ga. Hoisting device for line poles. 2,493,687, Jan. 3.
Mott, Raymond A., Mead, Wash. Train order delivery device. 2,529,096, Nov. 7.
Mottern, Henry O., Hillside, N. J., assignor, by mesne assignments, to Standard Oil Development Company. Alcohol process. 2,496,251, Jan. 31.
Mottern, Henry O., Hillside, and V. F. Mistretta, Fanwood, N. J., assignors to Standard Oil Development Company. Production of unsaturated aldehydes. 2,530,987, Nov. 21.
Moubis, Jozef H. A.: *See*— Penning, Frans M., and Moubis.
Mouchiroud, Antoine F. G., Lyon, assignor to Societe "Rhodiaceta," Paris, France. Polyvinyl compositions of improved resistance to light and making the same. 2,535,649, Dec. 26.
Moul, James E., Scarsdale, assignor to The Turbo-Mixer Corporation, New York, N. Y. Gas and liquid contact apparatus. 2,521,396, Sept. 5.
Mould, Charles H., South Yardley, Birmingham, England. Collet operating mechanism. 2,502,981, Apr. 4.
Moule, Rex E., assignor to Norton Company, Worcester, Mass. Capsulator. 2,513,581, July 4.
Moulton, Harold R., assignor to American Optical Company, Southbridge, Mass. Reflection reducing coatings having uniform reflection for all wave lengths of light and forming such coatings. 2,531,945, Nov. 28.
Moulton, Stephen W., assignor to Philco Corporation, Philadelphia, Pa. Heterodyne frequency modulator with distortion compensation. 2,529,736, Nov. 14.
Moulton, Thomas S., Stillwater, Minn. Coupling. 2,527,644, Oct. 31.
Mounce, Alfred R., Fort Wayne, Ind., assignor to General Electric Company. Drawer closure assembly. 2,507,217, May 9.
Mount, Donald L., Memphis, Mo. Power transmission. 2,525,822, Oct. 17.
Mount, Roy A., Pataskala, Ohio. Hand-operated seed planter with rotary agitator. 2,520,163, Aug. 29.
Mount, Wadsworth W., Summit, N. J. Projectile. 2,522,685. Sept. 19.
Mountain Valve Company, Inc., assignee: *See*— Evans, John.
Mount Airy Knitting Co., assignee: *See*— Crossingham, James H.
Mountcastle, Charles B., Shaker Heights, Ohio, assignor, by mesne assignments, to E. D. McCurdy, trustee. Forming designs in resinous plastic articles. 2,506,165, May 2.
Mournaud, Jacques, Paris, France, assignor to Societe Francaise des Munitions de Chasse, de Tir et de Guerre (Anciens Etablissements Gevelot & Gaupillat) Societe Anonyme. Fire extinguishing device. 2,515,832, July 18.
Mouromtseff, Ilia E.: *See*— Okress, Ernest C., and Mouromtseff.
Mousel, Canellen K., Edison, Nebr. Air cooling device. 2,495,537, Jan. 24.

Mousel, Canellen K., Edison, Nebr. Evaporative cooler. 2,495,538, Jan. 24.

Mouser, Fred J., Hope, Ark. Threadedly adjustable flexible-strap wrench. 2,522,190, Sept. 12.

Mouzon, James C.: *See*—
Wannamaker, William H., Jr., and Mouzon.

Mowad, John J., Newark, N. J. Pelt stretching machine. 2,493,924, Jan. 10.

Mowat, John H.: *See*—
Waller, Coy W., and Mowat.

Mowat, John F., La Grange, Ill., assignor to Carnegie-Illinois Steel Corporation. Apparatus for supplying heated air to blast furnaces and the like. 2,514,084, July 4.

Mowrer, Kenneth D., and C. N. Jackson, Wichita, Kans. Knockdown display stand. 2,498,998, Feb. 28.

Mowrey, Walter E., Glendale, Calif. Folding support. 2,520,469, Aug. 29.

Mowry, David T.: *See*—
Nason, Howard K., and Mowry.

Mowry, David T., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. 3,6-epoxy-1,2,3,6-tetrahydrophthalonitriles. 2,503,206, Apr. 4.

Mowry, David T., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Benzodioxane derivatives. 2,510,036, May 30.

Mowry, David T., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Salicylic acid derivatives and making same. 2,518,922, Aug. 15.

Mowry, David T., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Preparing uncaturated amides. 2,529,455, Nov. 7.

Mowry, David T., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Preparing amides. 2,534,204, Dec. 12.

Moxness, Sven K., Richfield, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Preheating thermosetting material in steam and molding the same. 2,512,364, June 20.

Moy, Paul W.: *See*—
Du Rose, Arthur H., and Moy.

Moy, Paul W., Euclid, and W. P. Karash, assignors to The Harshaw Chemical Company, Cleveland, Ohio. Bright nickel plating. 2,528,902, Nov. 7.

Moyd, Louis, Clinton, Miss., assignor to Minerals Limited, Yonkers, N. Y. Simulated gem. 2,535,807, Dec. 26.

Moyer, Edward L., Reynoldsburg, Ohio, assignor to Curtiss-Wright Corporation. Aircraft wing flap control. 2,516,406, July 25.

Moyer, Edward L., Reynoldsburg, Ohio, assignor to Curtiss-Wright Corporation. Temperature compensated control rod. 2,534,791, Dec. 19.

Moyer, Elmo E., Scotia, and J. S. Quill, Schenectady, N. Y., assignors to General Electric Company. Electronic interval timer. 2,494,352, Jan. 10.

Moyer, Frederick D., and E. S. Fraser, Chicago, Ill., assignors to Chicago Bridge & Iron Company. Hanger for a seal in a floating roof tank. 2,518,488, Aug. 15.

Moyer, Howard H., assignor to Richmond Manufacturing Company, Lockport, N. Y. Screen clearer for gyratory sifters. 2,497,902, Feb. 21.

Moyer, Hugh J.: *See*—
Grimm, Lafe, and Moyer.

Moyer, Maurice L., Akron, Ohio. Apparatus for tamping in sheet material for roofs and the like. 2,502,560, Apr. 11.

Moyer, Melvin I., Pawhuska, and J. M. Hersh, assignors to Cities Service Oil Company, Bartlesville, Okla. Inhibiting hydrogen sulfide corrosion of metals. 2,496,354, Feb. 7.

Moyer, Melvin I., Pawhuska, and J. M. Hersh, assignors to Cities Service Oil Company, Bartlesville, Okla. Formaldehyde corrosion inhibitor compositions. 2,496,594, Feb. 7.

Moyer, Melvin I., Lawrence, Kans., and J. M. Hersh, Forest Hills, N. Y., assignors to Cities Service Oil Company, Bartlesville, Okla. Formaldehyde corrosion inhibitor compositions. 2,496,595, Feb. 7.

Moyer, Melvin I., Lawrence, Kans., and J. M. Hersh, Forest Hills, N. Y., assignors to Cities Service Oil Company, Bartlesville, Okla. Formaldehyde corrosion inhibitor compositions. 2,496,596, Feb. 7.

Moyer, Prescott S., Lakewood, Ohio. Vegetable shredder. 2,501,687, Mar. 28.

Moyer, Richard L., Reading, Pa. Internal-combustion turbine engine. 2,531,581, Nov. 28.

Moyer, Samuel P.: *See*—
McMurray, Lynn L., and Moyer.

Moyer, Samuel P., Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Flotation of titanium oxide mineral concentrates. 2,494,139, Jan. 10.

Moyer, Wendell W.: *See*—
Wolff, Hans, and Moyer.

Moyer, Wilmer L., and J. C. Deck, deceased, Findlay, Ohio; L. S. Hatfield, administrator of said J. C. Deck, assignor to said Moyer. Handrail attachment for beds. 2,529,173, Nov. 7.

Moyle, Clarence L., Clare, assignor to The Dow Chemical Company, Midland, Mich. Chloro-aryloxy alkanes. 2,503,207, Apr. 4.

Moyle, Clarence L., Clare, assignor to The Dow Chemical Company, Midland, Mich. 2,4,5-trichlorophenol esters. 2,508,334, May 16.

Moyle, Clarence L., Clare, assignor to The Dow Chemical Company, Midland, Mich. Alkyl or allyl trichlorophenyl carbonates. 2,510,025, May 30.

Moyle, Clarence L., Clare, and R. H. Gruenhagen, assignors to The Dow Chemical Company, Midland, Mich. Fungicidal composition comprising a 2,4,5-trichlorophenyl chloroacetate. 2,508,335, May 16.

Moyle, Clarence L., Clare, and L. R. Drake, assignors to The Dow Chemical Company. Midland, Mich. Diphenyl halo-thiophene and fungicidal compositions containing the same. 2,527,372, Oct. 24.

Moyle, John R., Butte, Mont. Dog training harness. 2,534,727, Dec. 19.

Moyle, William B., Detroit, Mich. Combination can opener and spout. 2,521,598, Sept. 5.

Moynahan Bronze Company, assignee: *See*—
Cudini, Roger G.

Mozal, William H., assignee: *See*—
Delegard, Carl J., and Nardulli.
Nardulli, Michael J.

Mozal, William H., trustee, assignee: *See*—
Nardulli, Michael J.

Mozel, Joe, Portland, Oreg. Golf ball teeing device. 2,520,952, Sept. 5.

Mozel, Joe, Portland, Oreg. Golf ball teeing device. 2,525,823, Oct. 17.

Mozert, Zoe A., assignee: *See*—
Pelt, James D.

Mozingo, Ralph: *See*—
Sheehan, John C., Mozingo, Folkers, and Tishler.

Mozingo, Ralph, Elizabeth, J. F. McPherson, Rahway, and K. Folkers, Plainfield, assignors to Merck & Co., Inc., Rahway, N. J. Preparation of penicillamine. 2,516,240, July 25.

Mozingo, Ralph E., and K. Folkers, Plainfield, N. J., and N. R. Easton, Champaign, Ill., assignors to Merck & Co., Inc., Rahway, N. J. Preparation of 2-alkyl-4-isopropylidene-5 (4)-oxazolones. 2,515,465, July 18.

Mozley, Robert F.: *See*—
Frank, Ernest, and Mozley.
Shepherd, James E., and Mozley.

Mozley, Robert F., Hempstead, N. Y., assignor to The Sperry Corporation. Ground target elimination. 2,495,753, Jan. 31.

Mozzanini, Georges G., La Garenne Colombes, and M. Lebertre, Neuilly-sur-Seine, France. Acceleration control for direct-current motors. 2,494,516, Jan. 10.

Mozzanini, Georges G., La Garenne Colombes, and M. Lebertre, Neuilly-sur-Seine, France. Control means for various machines through a Leonard group or the like, including a motor with a field controlled speed. 2,521,801, Sept. 12.

Mozzanini, Georges-Gabriel, La Garenne Colombes, and M. Lebertre, Paris, France. Load distributing arrangement between direct-current machines. 2,521,182, Sept. 5.

Mrachek, Clarence, Winona, Minn. Machine for sorting, counting, and packaging medicinal tablets. 2,509,069, May 23.

Mrak, Emil M., H. J. Phaff, R. E. Whelton, Berkeley, and C. D. Fisher, Fresno, Calif. Treatment of and package for dried fruit. 2,511,987, June 20.

Mravik, Edward E., Chicago, Ill. Pocket implement. 2,512,237, June 20.

Mucher, George J., assignor to Clarostat Mfg. Co., Inc., Brooklyn, N. Y. Multitap resistor and making same. 2,527,026, Oct. 24.

Mucher, George J., assignor to Clarostat Mfg. Co., Inc., Brooklyn, N. Y. Resistor and making the same. 2,535,808, Dec. 26.

Muchow, Albert J., Holliston, Mass., assignor to Warren Telechron Company. Alarm intensity control. 2,506,379, May 2.

Mucke, George, Baldwin, N. Y. Rat guard. 2,525,234, Oct. 10.

Muckerheide, Victor J., assignor to Emery Industries, Inc., Cincinnati, Ohio. Separating glycerides. 2,514,608, July 11.

Mudon, Thomas J., assignor to E. M. Burbach, Chicago, Ill. Delayed-action switch. 2,505,985, May 2.

Muehlfeld, Clarence G., Bridgeport, Mich. Hen's nest. 2,501,475, Mar. 21.

Muehlfeld, Clarence G., Bridgeport, Mich. Combination fountain feeder for poultry. 2,527,324, Oct. 24.

Muehlhausser, Carl K.: *See*—
Dawsey, Lynn H., Umhoefer and Muehlhausser.

Mueller Co., assignee: *See*—
Banner, Francis L.
Bowan, Walter J., and Tratzik.
Freer, Gorham F.
Grosboll, Lorin E.
Mueller, Frank H.
Mueller, Frank H., and Smith.
Mueller, Lucien W.
Mueller, Lucien W., and Hofmann.
Mueller, Robert H.

Mueller, Arthur C., Des Plaines, assignor to Bell & Howell Company, Chicago, Ill. Slide viewing device or the like and slide magazine therefor. 2,516,793, July 25.

Mueller Brass Co., assignee: *See*—
Gray, John E., and R. A., and Parker.

Mueller Can and Tube Co., assignee: *See*—
Cimbura, Joseph W., and Ives.

Mueller, Ernst, Maspeth, and H. Rauschenbach, Brooklyn, N. Y. Juvenile furniture music box. 2,519,782, Aug. 22.
Mueller, Emil G.: *See*—
Crossman, Theodore C., and Mueller.
Mueller, Emil G., Churchill Borough, assignor to The American Brake Company, Swissvale, Pa. Brake rigging. 2,505,986, May 2.
Mueller, Ervin H., Grosse Pointe, Mich. Lighter structure for gas burners. 2,497,233, Feb. 14.
Mueller, Ervin H., Grosse Pointe, Mich. Valve for gas burners. 2,498,376, Feb. 21.
Mueller, Ervin H., Grosse Pointe, Mich. Combined filter and valve for gaseous fuel. 2,506,313, May 2.
Mueller, Ervin H., Grosse Pointe, Mich. Adjustable gas-burning pilot for gas burners. 2,510,752, June 6.
Mueller, Ervin H., Grosse Pointe, Mich. Lighter structure for gas burners. 2,510,899, June 6.
Mueller, Ervin H., Grosse Pointe, Mich. Valve for fuel gas. 2,514,506, July 11.
Mueller, Ervin H., Grosse Pointe, Mich. Flash tube structure for gaseous pilot burners. 2,514,552, July 11.
Mueller, Ervin H., Grosse Pointe, Mich. Gas burner with flash tube charging port. 2,514,553, July 11.
Mueller, Ervin H., Grosse Pointe, Mich. Gas burner with utensil support. 2,521,936, Sept. 12.
Mueller, Frank H., assignor to Mueller Co., Decatur, Ill. Lubricated valve. 2,495,596, Jan. 24.
Mueller, Frank H., Decatur, Ill. Support for meters and the like. 2,510,512, June 6.
Mueller, Frank H., assignor to Mueller Co., Decatur, Ill. Valve. 2,510,514, June 6.
Mueller, Frank H., assignor to Mueller Co., Decatur, Ill. Valve. 2,511,477, June 13.
Mueller, Frank H., and J. J. Smith, assignors to Mueller Co., Decatur, Ill. Adapter for connecting service fittings to drilling machines. 2,523,585, Sept. 26.
Mueller, Frank H., assignor to Mueller Co., Decatur, Ill. Locking device for valves and the like. 2,530,899, Nov. 21.
Mueller, Fritz W. H., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Lumazines and alloxazines as catalysts in dye bleach baths for color photography. 2,518,710, Aug. 15.
Mueller, George: *See*—
Bruce, William F., Mueller, Seifter, and Szabo.
Mueller, George A., Jr., assignor, by mesne assignments, to Lima-Hamilton Corporation, Hamilton, Ohio. Free piston compressor and control therefor. 2,494,573, Jan. 17.
Mueller, George E., Columbus, Ohio, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Balanced electronic translating system. 2,511,120, June 13.
Mueller, Grover C., Los Angeles, Calif. Mixer for liquids. 2,511,291, June 13.
Mueller, Harry E., Salem, Ill. Bottle carrier. 2,514,252, July 4.
Mueller, Henry A., assignor to Tal's Prestal Bender, Inc., Milwaukee, Wis. Pipe bending apparatus with pivoted side shapers. 2,497,622, Feb. 14.
Mueller, Herman G., Erie, assignor to Ajax Iron Works, Corry, Pa. Compound engine conversion unit. 2,514,287, July 4.
Mueller, Herman G., Erie, Pa. Combined steam engine, compressor, and control therefor. 2,535,749, Dec. 23.
Mueller, Homer L., assignor to The Cleveland Welding Company, Cleveland, Ohio. Chain guard. Re. 23,250, July 18.
Mueller, Ira, Minneapolis, assignor of one-half to Merchants Motor Freight, Inc., St. Paul, Minn. Hoist attachment for trucks. 2,515,833, July 18.
Mueller, John, North Bergen, N. J., assignor to Remington Rand Inc., Buffalo, N. Y. Zero control means in accounting machines. 2,507,117, May 9.
Mueller, John, North Bergen, N. J., assignor to Remington Rand Inc., Buffalo, N. Y. Data entering mechanism for card controlled accounting machines. 2,516,014, July 18.
Mueller, Joseph J., assignor to Auto Specialties Manufacturing Company, St. Joseph, Mich. Hydraulic jack. 2,497,788, Feb. 14.
Mueller, Joseph J., assignor to Auto Specialties Manufacturing Company, St. Joseph, Mich. Hydraulic jack. 2,498,698, Feb. 28.
Mueller, Joseph J., assignor to Auto Specialties Manufacturing Company, St. Joseph, Mich. Hydraulic jack. 2,520,426, Aug. 29.
Mueller, Joseph J., assignor to Auto Specialties Manufacturing Company, St. Joseph, Mich. Hydraulic jack. 2,527,841, Oct. 31.
Mueller, L. J., Furnace Company, assignee: *See*—
Hill, Napoleon E.
Hill, Napoleon E., Ress and Nunlist, Jr.
Mueller, Leo G., West Roxbury, Mass., assignor, by mesne assignments, to Swank, Inc. Wallet with change purse. 2,516,716, July 25.
Mueller, Lincoln A., Missoula, Mont., dedicated to the free use of the People in the Territory of the United States. Veneer-clipper safety guard. 2,506,610, May 9.
Mueller, Lloyd R., assignor to The Geuder, Paeschke & Frey Co., Milwaukee, Wis. Ventilated ironing board. 2,495,468, Jan. 24.
Mueller, Lucien W., assignor to Mueller Co., Decatur, Ill. Meter stop. 2,495,593, Jan. 24.
Mueller, Lucien W., assignor to Mueller Co., Decatur, Ill. Meter stop. 2,495,594, Jan. 24.
Mueller, Lucien W., assignor to Mueller Co., Decatur, Ill. Meter stop. 2,495,595, Jan. 24.
Mueller, Lucien W., Decatur, Ill., and G. H. Hofmann, Houston, Tex., assignors to Mueller Co., Decatur, Ill. Pressure control installation and method. 2,510,513, June 6.
Mueller, Max B., Dumont, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Catalytic oxidation of heterocyclic aromatic nitrogen compounds. 2,505,568, Apr. 25.
Mueller, Max B., Dumont, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Oxidation of heterocyclic aromatic nitrogen compounds. 2,513,099, June 27.
Mueller, Max B., Dumont, and E. J. Prill, Cresskill, N. J., assignors to Allied Chemical & Dye Corporation, New York, N. Y. Dehydrochlorination of alpha-chlorisobutyrates. 2,527,645, Oct. 31.
Mueller, Otto, Dearborn, Mich. Expanding and contracting dies for drawing bumpers. 2,528,072, Oct. 31.
Mueller, Otto, Dearborn, Mich. Hydraulic punch and stripper. 2,534,292, Dec. 19.
Mueller, Paul, Rome, N. Y. Method and machine for pointing tubes. 2,514,507, July 11.
Mueller, Paul, assignor to Paul Mueller Company, Springfield, Mo. Cheese press. 2,535,592, Dec. 26.
Mueller, Paul, Company, assignee: *See*—
Mueller, Paul.
Mueller, Paul M., Rome, N. Y., assignor to Blaw-Knox Company, Pittsburgh, Pa. Apparatus for welding slabs. 2,533,605, Dec. 12.
Mueller, Robert H., assignor to Mueller Co., Decatur, Ill. Equipment for adjusting packing and the like. 2,497,789, Feb. 14.
Mueller, V., & Company, assignee: *See*—
Mages, Morris.
Mueller, Waldemar B., Chicago, Ill. Horn micrometer. 2,516,478, July 25.
Mueller, William A., Los Angeles, Calif., assignor to Radio Corporation of America. Rerecording methods and system. 2,499,603, Mar. 7.
Mueller, William A., Los Angeles, and J. T. Wissmann, assignors to Warner Brothers Pictures, Inc., Burbank, Calif. Projection film viewer and reproducing system. 2,498,895, Feb. 28.
Mueller, William G., Neenah, K. Klause, Appleton, and A. M. Meier, Menasha, assignors to Marathon Corporation, Rothschild, Wis. Apparatus for positioning cores. 2,493,590, Jan. 3.
Mueller, William L., La Grange, C. J. Rundquist, Chicago, and C. R. Skarin, Western Springs, Ill., assignors to The Petersen Oven Company. Furnace for baking ovens. 2,508,866, May 23.
Mueller, Willy: *See*—
Felix, Friedrich, and Mueller.
Muench, Carl G., Glenview, assignor to The Celotex Corporation, Chicago, Ill. Apparatus and method of manufacturing board. 2,518,806, Aug. 15.
Muench, Carl G., Glenview, assignor to The Celotex Corporation, Chicago, Ill. Apparatus for saturating edge portions of fiber boards. 2,530,026, Nov. 14.
Muenchow, Henry F., assignor to A. J. Lindemann & Hoverson Company, Milwaukee, Wis. Oven assembly for cooking ranges. 2,512,870, June 27.
Muenze, Joseph W., Ridgewood, N. J. Liquid dispensing device. 2,497,134, Feb. 14.
Muenzmay, Joseph T.: *See*—
Walters, John D., and Muenzmay.
Muessig, Clifford W.: *See*—
Cohen, Charles A., and Muessig.
Muffley, Robert P., McCook, Nebr. Child's stroller having spring supported seat. 2,527,953, Oct. 31.
Muffly, Gary, Penn Township, Allegheny County, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Constant amplitude oscillator. 2,528,703, Nov. 7.
Muffly, Glenn: *See*—
Cahenzli, Martin T., Jr., and Muffly.
Muffly, Glenn, Springfield, Ohio. Bottle cooling and dispensing refrigerator. 2,496,304, Feb. 7.
Muffly, Glenn, Springfield, Ohio. Refrigerating mechanism. 2,497,903, Feb. 21.
Mugdan, Martin: *See*—
Bramwyche, Peter L., Mugdan, and Stanley.
Mühlemann, Ernst: *See*—
Lippert, Hanns, and Mühlemann.
Muhlemann, Ernst, assignor to Verwaltungsgesellschaft der Werkzeugmaschinenfabrik Oerlikon, Zurich-Oerlikon, Switzerland. Bearing surface for breech bolts in automatic firearms. 2,509,043, May 23.
Muhn, Lester, Miami, Fla. Combination awning and shutter. 2,513,042, June 27.
Muirson Label Co., Inc., assignee: *See*—
Rambo, Francis R., and Angelo.
Mukai, Ralph S., New York, N. Y. Artificial asteriae. 2,511,510, June 13.
Mulay, Norman O., Pasadena, Calif. Portland cement mixture. 2,512,112, June 20.
Mulbarger, Francis A.: *See*—
Cady, John E., and Mulbarger.
Mulbarger, Francis A., and H. D. Hiatt, Indianapolis, Ind., assignors to United States Rubber Company, New York, N. Y. Manufacturing inner tubes. 2,507,865, May 16.

Mulberger, Henry C., Milwaukee, Wis., and J. E. Bellitt, Dayton, Ohio. Flight indicating instrument. 2,526,682, Oct. 24.

Mulder, Allan C., assignor to Miller Electric Manufacturing Co., Appleton, Wis. Portable manual electric spot welder. 2,535,946, Dec. 26.

Mulder, Johannes G. W.: *See*—
Duinker, Daniel M., and Mulder.

Mulder, Johannes G. W., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electric discharge tube with protected electric inlet. 2,494,895, Jan. 17.

Mulder, Rudolf, Haarlem, Netherlands. Coupling for pipes, piles, and like elements. 2,494,826, Jan. 17.

Muldoon, Bernard F., Caldwell, N. J., assignor to H. Hyman, New York, N. Y. Portable electric flashlight. 2,493,205, Jan. 3.

Muldoon, William J., Garden City, N. Y., assignor, by mesne assignments, to The Wheeler Insulated Wire Company, Incorporated, Bridgeport, Conn. Electromagnetic transducer. 2,523,775, Sept. 26.

Muldoon, William J., Garden City, N. Y., assignor to The Wheeler Insulated Wire Company, Incorporated, Bridgeport, Conn. Vibratory reed signaling device. 2,533,136, Dec. 5.

Muldrow, Robert, III, and Z. J. Boothe, Jr., Midland, Tex. Applying legends to map detail sheets. 2,503,126, Apr. 4.

Mulford, Hewett P., & Company, assignee: *See*—
Mulford, Marion R.

Mulford, Marion R., assignor to Hewett P. Mulford & Company, Lebanon, Ohio. Bulb display package. 2,518,711, Aug. 15.

Mulheran, Marjorie K., Sandusky, Ohio. Glove. 2,516,241, July 25.

Mulhern, Laurence H., and N. Spugnardi, Auburn, Maine, assignors to United Shoe Machinery Corporation, Flemington, N. J. Sole-margin cementing machine. 2,533,497, Dec. 12.

Mulhern, Marvin J., Schenectady, N. Y., assignor to General Electric Company. Electric valve excitation and control circuit. 2,517,129, Aug. 1.

Mulhollen, Harold S., Pasadena, assignor to Essick Manufacturing Company, Los Angeles, Calif. Air humidifier and filter. 2,530,535, Nov. 21.

Mulick, Michael, United States Navy. Pontoon flotation apparatus. 2,514,409, July 11.

Mull, Arthur, Ottawa, Ill. Can opening and sealing implement. 2,503,125, Apr. 4.

Mull, Arthur B., Appleton, Wis., assignor of one-half to Spotswood Specialty Co. Inc., Lexington, Ky. Bomb-releasing folding-wing airplane. 2,512,069, June 20.

Mull, Arthur B., Hollywood, Calif., assignor of one-half to Spotswood Specialty Co. Inc., Lexington, Ky. Sun goggle. 2,527,027, Oct. 24.

Mullan, Joseph, Baltimore, Md. Key retractor. 2,500,198, Mar. 14.

Mullan, Joseph, Baltimore, Md. Key holder. 2,505,987, May 2.

Mullaney, Donald P., assignor to Acme Steel Company, Chicago, Ill. Spool for flexible binders. 2,527,842, Oct. 31.

Mullaney, Leo A., assignee: *See*—
Vrendenburg, Arthur.

Mullaney, Ralph A., Elmwood Park, Ill., assignor to Zenith Radio Corporation. Relay actuating device for automatic phonographs. 2,520,251, Aug. 29.

Mullaney, Ralph A., Elmwood Park, Ill., assignor to Zenith Radio Corporation. Record changer trip mechanism. 2,527,646, Oct. 31.

Mullard Radio Valve Company Limited, The, assignee: *See*—
Hayes, Charles F. M.

Mullen, Edward, and J. Boyko, assignors to Mechanical Handling Systems, Inc., Detroit, Mich. Vehicle supporting tread. 2,516,407, July 25.

Mullen, Henry A., assignor to Ampco Metal, Inc., Milwaukee, Wis. Electric resistance spot welding apparatus. 2,502,876, Apr. 4.

Mullen, James F., Mount Vernon, N. Y., and J. S. Hanson, Rowayton, Conn., assignors to The Fairbanks Company, New York, N. Y. Caster. 2,500,854, Mar. 14.

Mullen, John B.: *See*—
Blake, Ivan C., and Mullen.

Mullen, John B., Chicago, assignor, by mesne assignments, to Burgess Battery Company, Freeport, Ill. Electrolytic production of silver chloride. 2,521,082, Sept. 5.

Mullen, Rose I., Wichita, Kans. Garment attachment. 2,518,631, Aug. 15.

Müller, Adolf W., Sulzbach, Germany. Orthodontic device. 2,520,773, Aug. 29.

Muller, Albert, Brooklyn, assignor to Air Reduction Company, Incorporated, New York, N. Y. Arc welding. 2,504,867, Apr. 18.

Muller, Albert, Plainfield, G. J. Gibson, Somerville, and N. E. Anderson, Scotch Plains, N. J., assignors to Air Reduction Company, Incorporated, New York, N. Y. Electric arc welding. 2,504,868, Apr. 18.

Muller, Alois, assignor to Pneumatic Tool Sales & Repair Co., Inc., New York, N. Y. Retainer. 2,502,388, Mar. 28.

Muller, Ferdinand, Elmhurst, N. Y. Fermenting and ripening of beer. 2,521,397, Sept. 5.

Muller, Fred A., Newark, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Measuring apparatus. 2,517,589, Aug. 8.

Muller, George J., Philadelphia, assignor to Taylor Fibre Co., Norristown, Pa. Making insulating covers for bus bars. 2,530,835, Nov. 21.

Müller, Géza W., Bron, assignor to Societe Industrielle Generale de Mecanique Appliquee (S. I. G. M. A.), Venissieux, France. Adustable gearing. 2,526,964, Oct. 24.

Muller, Jean J., Paris, France, assignor to International Standard Electric Corporation, New York, N. Y. Multiunit vacuum tube. 2,533,280, Dec. 12.

Müller, Jeanette, Zurich, Switzerland, assignor to Polluxtrust, Vaduz, Liechtenstein. Diaper. 2,522,532, Sept. 19.

Muller, Johan A., Dayton, Ohio, assignor to The Hydraulic Development Corp., Inc., Wilmington, Del. Rotary balancing valve. 2,511,538, June 13.

Müller, Josef, Fribourg, Switzerland. Matrix holder for dental attendance. 2,529,174, Nov. 7.

Müller, Juan, Buenos Aires, Argentina. Filter for the clarification of oils. 2,512,365, June 20.

Müller, Karl, assignor to Maag-Zahnräder und-Maschinen Aktiengesellschaft, Zurich, Switzerland. Apparatus for testing gears. 2,514,716, July 11.

Muller, Oscar, Newark, N. J. Cooled keg holder. 2,501,404, Mar. 21.

Muller, Oscar P.: *See*—
Peterson, Edwin P., and Muller.

Muller, Otto, Bronx, N. Y. Regulating means for fuel oil heating systems. 2,505,298, Apr. 25.

Muller, Otto, Bronx, N. Y. Shelf assembly. 2,505,299, Apr. 25.

Muller, Otto, Bronx, N. Y. Round and sectional boiler. 2,535,507, Dec. 26.

Müller, Paul, Sierre, assignor to Societe Anonyme pour l'Industrie de l'Aluminium, Chippis, Switzerland. Artificially producing carbonaceous composition pieces. 2,529,041, Nov. 7.

Muller, Walter, Dunellen, N. J. Rotary drum for concrete mixers. 2,497,736, Feb. 14.

Muller, Wilhelm, assignor of one-third to P. Richartz and one-third to S. Richartz, Sheffield, England. Dust collecting apparatus for use with grinding wheels. 2,501,287, Mar. 21.

Müller, Willy, Zurich, and O. Grimm, Kusnacht, Switzerland, assignors to Daphné Investment Trust, Vaduz, Liechtenstein. Device for the magnetic recording on, and reproducing from, disk-shaped sound carriers. 2,519,592, Aug. 22.

Mullett, Howard G., and E. D. Wachter, Jr., Whitefish Bay, assignors to Bradley Washfountain Co., Milwaukee, Wis. Washfountain. 2,498,699, Feb. 28.

Mullett, Howard G., and E. D. Wachter, Jr., Whitefish Bay, assignors to Bradley Washfountain Co., Milwaukee, Wis. Wash fountain spray head. 2,525,932, Oct. 17.

Mullin, Clayton D., assignor to Telex Inc., St. Paul, Minn. Headset. 2,498,960, Feb. 28.

Mullin, Douglas E., Mnneapolis, Minn. Pipe quartering device. 2,531,077, Nov. 21.

Mullin, John T., assignor to W. A. Palmer Films, Inc., San Francisco, Calif. Sound recording and reproducing system with recorded control signal. 2,529,097, Nov. 7.

Mullin, Robert E., Bremerton, Wash. Aircraft of the rotary wing type. 2,497,465, Feb. 14.

Mullins, Elwood H., Takoma Park, Md. Recording inclinometer. 2,512,670, June 27.

Mullins, Lloyd W.: *See*—
Butterfield, Melvin D., and Mullins.

Mullins Manufacturing Corporation, assignee: *See*—
Clark, Carl L.
Heckathorn, Harry M.
Stanitz, Jacques.
White, Richard F.

Mullins, Thomas C., Chicago, and W. E. Mullins, Jr., Chester, Ill. Excavator. 2,535,750, Dec. 26.

Mullins, William E., Jr.: *See*—
Mullins, Thomas C. and W. E.

Mullins, William H., and W. M. Gentry, South Boston, Va. Parking brake controlled ignition and light switch, and gear shift lever lock. 2,499,276, Feb. 28.

Mullison, Wendell R., assignor to The Dow Chemical Company, Midland, Mich. Plant growth control materials. 2,523,227, Sept. 19.

Mullison, Wendell R., assignor to The Dow Chemical Company, Midland, Mich. Plant growth control materials. 2,523,228, Sept. 19.

Mulno, Lester F., assignor to Harrington & Richardson Arms Company, Worcester, Mass. Safety device for firearms. 2,495,383, Jan. 24.

Mulno, Lester F., assignor to Harrington & Richardson Arms Company, Worcester, Mass. Cartridge loading platform for firearms. 2,495,384, Jan. 24.

Multenna Corporation, assignee: *See*—
Winters, Thomas D.

Multhaup, Robert H., assignor to Elliott Company, Jeannette, Pa. Apparatus for controlling gas turbine locomotives. 2,510,753, June 6.

Multi-Tracer Corporation of America, assignee: *See*—
Weiss, Gerhart.

Mulvaney, Vincent, assignee: *See*—
Weir, Richard L.

Mumberg, Fritz H. : *See*—
Laverell, William D., Walton, and Mumberg.
Mumenthaler, Alfred, assignor to J. W. Bangs, Washington, D. C. Rain actuated window closer. 2,507,318, May 9.
Mumford, Manly S., Evanston, Ill. Portable unit for heating milk bottles and the like. 2,512,284, June 20.
Mumford, Manly S., Evanston, and E. H. Cowles, Chicago, Ill. ; said Cowles assignor to said Mumford. Folding bathroom stool. 2,493,925, Jan. 10.
Mumford, William W., Atlantic Highlands, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Grounded grid microwave modulator. 2,530,836, Nov. 21.
Mumford, William W., Shrewsbury Township, Monmouth County, N. J. assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Broad band coaxial line to wave guide coupler. 2,527,146, Oct. 24.
Mumma, Robert E., assignor to The National Cash Register Company, Dayton, Ohio. Electronic device. Re. 23,285, Oct. 17.
Mumma, Robert E., assignor to The National Cash Register Company, Dayton, Ohio. Switching device. 2,495,075, Jan. 17.
Mumma, Robert E., assignor to The National Cash Register Company, Dayton, Ohio. Electric impulse generator for calculating machines. 2,503,127, Apr. 4.
Mumma, Robert E., assignor to The National Cash Register Company, Dayton, Ohio. Electric control circuit. 2,524,115, Oct. 3.
Mumma, Robert E., assignor to The National Cash Register Company, Dayton, Ohio. Electronic counting ring. 2,533,739, Dec. 12.
Mummert, Arden J., University City, assignor to McQuay-Norris Manufacturing Company, St. Louis, Mo. Piston expander. 2,494,896, Jan. 17.
Munch, Ebbe : *See*—
Gustavsson, Karl-Axel, Munch, and Tangeberg.
Muncie Gear Works, Inc., assignee : *See*—
Smith, Marvin M.
Munck af Rosenschöld, John R., Stockholm, assignor to Aktiebolaget Atlas Diesel, Sickla, near Stockholm, Sweden. Device for starting or reversing internal-combustion engines. 2,524,070, Oct. 3.
Munck, Leslie S., assignor to Creed and Company Limited, Croydon, England. Teleprinter exchange system. 2,498,700, Feb. 28.
Munck, Leslie S., assignor to Creed and Company Limited, Croydon, England. Teleprinter exchange system. 2,527,567, Oct. 31.
Munday, Charles H. : *See*—
Coursey, Philip R., Munday, and Gough.
Munday, John C., Cranford, N. J., assignor to Standard Oil Development Company. Stabilization of xylidine. 2,493,544, Jan. 3.
Munday, John C., Cranford, N. J., assignor to Standard Oil Development Company. Apparatus for separating solids from gases. 2,515,155, July 11.
Mundet Cork Corporation, assignee : *See*—
Von Till, Louis A., and Schallenkammer.
Mundorff, George T., U. S. Navy, Washington, D. C. Computer for flash and flood lamp photography. 2,517,590, Aug. 8.
Munger, Charles G., San Gabriel, assignor, by mesne assignments, to Amercoat Corporation, South Gate, Calif. Lining pipes and other structures with plastic sheets. 2,516,242, July 25.
Municipal Supply Company, assignee : *See*—
Paulson, Howard E.
Munising Paper Company, The, assignee : *See*—
Jones, Hilton I.
Trillich, Bertram L.
Munk, William P., San Francisco, Calif. Oil and gas separator. 2,528,448, Oct. 31.
Munkacsi, Muky, New York, and R. G. Liszt, Long Island City, N. Y. Photograph-phonograph record combination. 2,505,787, May 2.
Munn, Theodore T. : *See*—
Elliott, Alonzo K., and Munn.
Munro, Ernest H. : *See*—
Athy, Clifford R., Konkle, and Munro.
Munro, George R. : *See*—
Dilg, Walter C., and Munro.
Munro, Gordon, Bremerton, Wash. Drill grinder. 2,498,701, Feb. 28.
Munro, James H., Hermosa Beach, Calif. Golf puppet ball projector. 2,513,198, June 27.
Munro, John : *See*—
McLean, Andrew, Tetlow and Munro.
Munro, Neil : *See*—
Thompson, Robert B., Munro, and Marriott.
Munshower, Clarence F., assignor to Coltemp Corporation, Columbus, Ohio. Refrigerator cooler for bottled beverages. 2,508,768, May 23.
Munshower, Clarence F., assignor to Coltemp Corporation, Columbus, Ohio. Automatic ice cube producing and storing apparatus. 2,526,262, Oct. 17.
Munsingwear, Inc., assignee : *See*—
Anderson, Carroll R.
Brennan, Joan.
Brennan, Joan M.
Campbell, William D.
Munson, Donald G., St. Paul, Minn. Magnet support for radio speakers. 2,533,498, Dec. 12.
Munson, Wilden A., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Acoustic range finder. 2,533,499, Dec. 12.
Munson, Wilden A., Chatham, and E. C. Wente, Summit, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Condenser transducer independent of ambient atmospheric conditions. 2,500,643, Mar. 14.
Munter, Casimir J., Upper St. Clair Township, Allegheny County, assignor to Hall Laboratories, Inc., Pittsburgh, Pa. Abrasive detergent compositions. 2,494,827, Jan. 17.
Munter, Casimir J., Upper St. Clair Township, Allegheny County, Pa., assignor to Hall Laboratories, Inc. Glassy phosphate powder composition and making the same. 2,494,828, Jan. 17.
Munter, John R., Wolverton, Minn. Self-propelled swather. 2,510,245, June 6.
Munters, Carl G., Stocksund, Sweden. Apparatus for impregnating heat insulating material. 2,535,087, Dec. 26.
Muntz, Alan, & Company, Limited, assignee : *See*—
Beale, Evelyn S. L.
Munves, Joseph I., New York, N. Y. Novelty clock and dice device. 2,525,710, Oct. 10.
Murakami, Tomomi, Media, Pa., assignor to Radio Corporation of America. Stabilized high-frequency amplifier. 2,508,416, May 23.
Murakami, Tomomi, Swarthmore, Pa., assignor to Radio Corporation of America. Ratio detector circuit. 2,501,077, Mar. 21.
Mural, Frank, New York, N. Y., assignor to Radio Corporation of America. Automatic tuning circuit for radio receivers.. 2,496,063, Jan. 31.
Murat, Adolf, Laguna Beach, Calif. Trailer hitch. 2,531,289, Nov. 21.
Murat, Adolf, Woonsocket, R. I. Gear type power transmission unit. 2,524,467, Oct. 3.
Murat, Adolf R., Laguna Beach, Calif. Tire deflation indicator. 2,499,669, Mar. 7.
Murcko, Paul J., Bridgeport, Conn. Double sweep safety guard for power presses. 2,501,347, Mar. 21.
Murdick, Robert, Schenectady, N. Y., assignor to General Electric Company. Direct current flat card resolver. 2,531,150, Nov. 21.
Murdock, Clayton E., Millbrae, assignor to Eitel-McCullough Inc., San Bruno, Calif. Electron tube having annular envelope. 2,517,334, Aug. 1.
Murdock, David, Cincinnati, Ohio. Electrode holder. 2,534,526, Dec. 19.
Murdock, Forrest L., Sr., assignee : *See*—
Williams, Elmer R.
Muri, Jens, Stavanger, Norway. Animated display device. 2,513,100, June 27.
Murphey, Conrad E., Beeville, assignor to L. A. Parks, Harris County, Tex. Valve grinding tool. 2,501,000, Mar. 21.
Murphree, Eger V., Summit, N. J., assignor to Standard Oil Development Company. Producing monomeric olefins. 2,514,332, July 4.
Murphree, Eger V., Summit, N. J., assignor to Standard Oil Development Company. Separation of butadiene from hydrocarbon gases with cuprous chloride. 2,515,134, July 11.
Murphy, Arthur J., assignor of one-half to S. L. Atkins, New York, N. Y. Rotary screen printing machine. 2,511,511, June 13.
Murphy, Barry, Palo Alto, Calif. Candle illuminated toy or ornament. 2,503,587, Apr. 11.
Murphy, Daniel, New Castle, Pa. Seal for centrifugal pumps. 2,505,868, May 2.
Murphy, Earl F. : *See*—
Fowler, Roscoe, and Murphy.
Murphy, Eugene E., Omaha, Nebr., and R. A. Burkhart, Los Angeles, Calif. Coupling. 2,504,569, Apr. 18.
Murphy, Florence M., Madera, Calif. Hair drier. 2,523,915, Sept. 26.
Murphy, Frank L., and C. H. Apel, assignors to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Shield and seat arrangement. 2,505,687, Apr. 25.
Murphy, Frank L., and F. A. Vander Linden, assignors to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Luggage handling apparatus for railway cars. 2,522,686, Sept. 19.
Murphy, Frank W., Tulsa, Okla. Safety switch for engine cooling systems. 2,532,182, Nov. 28.
Murphy, Gene W., and S. I. Kelley, St. Lawrence, S. Dak. Cutting tool. 2,502,582, Apr. 4.
Murphy, Howard J., Lynnfield, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Slide fastener. 2,504,078, Apr. 11.
Murphy, Howard J., Lynnfield, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Making slide fasteners. 2,504,079, Apr. 11.
Murphy, Hubert W., assignor to Eli Lilly and Company, Indianapolis, Ind. Methyl cellulose capsules and manufacture. 2,526,683, Oct. 24.
Murphy, Hugh R., Troy, N. Y. Battery carrier. 2,510,596, June 6.
Murphy, James E., North Tiverton, R. I. Treating cartilage injuries. 2,524,326, Oct. 3.
Murphy, James F., Philadelphia, Pa. Coupling device. 2,494,574, Jan. 17.
Murphy, James L., Jr., Washington, D. C. Target carrying and target turning device. 2,504,273, Apr. 18.

Murphy, James P., and H. E. McKinney, Houston, Tex., assignors to Shell Development Company, San Francisco, Calif. Electromagnetic fishing tool. 2,493,992, Jan. 10.

Murphy, James R., Shaker Heights, Ohio. Combination drawer pull and crown cap puller. 2,506,732, May 9.

Murphy, John F.: *See*—
Sido, George R., and Murphy.

Murphy, John J.: *See*—
Fountain, Harold, and Murphy.

Murphy, Joseph C., Tulsa, Okla. Metal repair key. 2,506,233, May 2.

Murphy, Joseph E., Cleveland, Ohio. Foot control valve spring lifter. 2,509,516, May 30.

Murphy, Laurence W., assignor to Geo. A. Hormel & Company, Austin, Minn. Immobilizing livestock prior to slaughtering. 2,526,037, Oct. 17.

Murphy, Martin, Davenport, Iowa. Attachment fixture for saw grinding. 2,534,470, Dec. 19.

Murphy, Martin J., Greeley, Nebr. Egg, fruit, and vegetable peeler. 2,521,245, Sept. 5.

Murphy, Maxwell K., assignee: *See*—
Tipton, William D.

Murphy, Moyes J., Arcadia, Calif. Deferred action battery. 2,529,511, Nov. 14.

Murphy, Norman B.: *See*—
Noxon, Paul A., and Murphy.

Murphy, Norman B., Tenafly, assignor to Bendix Aviation Corporation, Teterboro, N. J. Reconnectable disconnect for reciprocating control rods. 2,516,642, July 25.

Murphy, Norman B., West Englewood, assignor to Bendix Aviation Corporation, Teterboro, N. J. Overload release device. 2,511,734, June 13.

Murphy, Norman B., West Englewood, assignor to Bendix Aviation Corporation, Teterboro, N. J. Automatic pilot control. 2,516,641, July 25.

Murphy, Paul B., South Nyack, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Recording information on stationary magnetic material. 2,511,121, June 13.

Murphy, Robert H., West Hartford, assignor to The Wiremold Company, Hartford, Conn. Machine for making retractable tubing. 2,506,232, May 2.

Murphy, Thomas J., Stamford, Conn. Buffing fixture for dry shaver cutterheads. 2,505,503, Apr. 25.

Murphy, Thomas W., Narberth, assignor to Monarch Manufacturing Works, Inc., Philadelphia, Pa. Gun type oil burner. 2,505,336, Apr. 25.

Murphy, Thomas W., Narberth, assignor to Monarch Manufacturing Works, Inc., Philadelphia, Pa. Counterrotational air flow gun type oil burner. 2,505,337, Apr. 25.

Murphy, William B., Crandall, Tex. Picture mounting for chairs. 2,516,243, July 25.

Murphy, William L., Norwood, Ohio. Remote controlled animated doll. 2,502,583, Apr. 4.

Murrah, Edmund S., Shrewsbury, assignor to Morgan Construction Company, Worcester, Mass. Electrically driven rotary shear. 2,500,999, Mar. 21.

Murray, Alan E., New York, N. Y. Making form-retaining materials and products thereof. 2,493,310, Jan. 3.

Murray, Alan E., New York, N. Y. Roller skate. 2,533,740, Dec. 12.

Murray, Alexander, assignor to Eastman Kodak Company, Rochester, N. Y. Fusion photothermography. 2,503,758, Apr. 11.

Murray, Alexander, assignor to Eastman Kodak Company, Rochester, N. Y. Evaporography. 2,503,759, Apr. 11.

Murray, Alfred T., Pasadena, Calif. Roof cooling system. 2,506,936, May 9.

Murray, Aubrey S., Elizabethton, Tenn. Metal table top for drafting tables or the like. 2,535,593, Dec. 26.

Murray, Carl J., Liverpool, and W. K. Lowe, Syracuse, assignors to Crucible Steel Company of America, New York, N. Y. Automatic feeding device. 2,503,760, Apr. 11.

Murray, Carl J., Liverpool, and W. K. Lowe, Syracuse, assignors to Crucible Steel Company of America, New York, N. Y. Automatic feeding device and control means therefor. 2,503,761, Apr. 11.

Murray Corporation of America, The, assignee: *See*—
Haberstump, Alfred H.
Tea, Clark A.
Weimer, Leland S.

Murray, D. J., Manufacturing Co., assignee: *See*—
Eklund, Henrik J.
Koskinen, Einar T.

Murray Deodorizers Ltd., assignee: *See*—
Board, Francis S., and Robichaux.

Murray, Donald E., Modesto, Calif. Apron mount and control for carry-type scrapers. 2,529,848, Nov. 14.

Murray, Francis J., New York, N. Y. Method and apparatus for solving mathematical problems. 2,515,888, July 18.

Murray, Glen D., Oklahoma City, Okla. Repairman's creeper. 2,509,934, May 30.

Murray, Harry: *See*—
Shuker, William, and Murray.

Murray, Howard J., New York, N. Y. Color television apparatus. 2,531,823, Nov. 28.

Murray, John A., New Hyde Park, assignor to American Cyanamid Company, New York, N. Y. Household demineralization. 2,500,134, Mar. 7.

Murray, John M., Waterbury, assignor to The Torrington Manufacturing Company, Torrington, Conn. Collapsible reel. 2,535,693, Dec. 26.

Murray, L. J.: *See*—
Hampton, Warren E., and Murray.

Murray, Lynne, assignor to Cameron Iron Works, Houston, Tex. Ram packing. 2,527,068, Oct. 24.

Murray, Marshall H., Kansas City, Mo. Automobile switch structure. 2,503,449, Apr. 11.

Murray-Ohio Manufacturing Company, The, assignee: *See*—
Kraeft, Herman L., and Schreckengost.
Kraeft, Herman L., and Walters.
Kraeft, Herman L., Walters, and Skerl.

Murray, Otis W.: *See*—
Ball, Joseph A., Jennings, and Murray.

Murray, Otis W., Fords, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Photographically sensitive X-ray film elements. 2,502,529, Apr. 4.

Murray, Otis W., Fords, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Process of treating photographic layers containing color formers with metal salt hardening agents. 2,534,050, Dec. 12.

Murray, Royce L., Birmingham, assignor to James G. Biddle Co., Philadelphia, Pa. Apparatus for testing transformer turn ratios. 2,527,568, Oct. 31.

Murray, Thomas E., Brooklyn, N. Y. Switch box. 2,511,365, June 13.

Murray & Tregurtha, Inc., assignee: *See*—
Wanzer, Arthur W.

Murray Victor E., assignor of sixty percent to C. H. Reedy, Cincinnati, Ohio. Two-speed rear axle transmission. 2,529,623, Nov. 14.

Murray, Wallace J., Dedham, Mass., assignor, by mesne assignments, to Stanolind Oil and Gas Company, Tulsa, Okla. Revivification of adsorbents. 2,529,624, Nov. 14.

Murray, William F., Washington, D. C. Candy coating machine. 2,504,037, Apr. 11.

Murrian, John H., executor: *See*—
Fulton, Weston M.

Mursch, William H., Crafton, Pa., assignor to Carnegie-Illinois Steel Corporation. Looper. 2,494,402, Jan. 10.

Musgrave, Joseph L., and D. G. Lewis, assignors, by mesne assignments, to Dulrae Limited, London, England. Electrical heating element. 2,518,807, Aug. 15.

Musher Foundation Incorporated, assignee: *See*—
Musher, Sidney.

Musher, Sidney, assignor to Musher Foundation Incorporated, New York, N. Y. Free-flowing food compositions. 2,493,080, Jan. 3.

Muskat, Irving E., Plainfield, N. J., assignor to Marco Chemicals, Inc. Molding. 2,495,640, Jan. 24.

Muskat, Irving E., Plainfield, N. J., assignor to Marco Chemicals, Inc. Polymerizing fiber reinforced resinous materials. 2,517,698, Aug. 8.

Muskat, Louis R., Oak Park, assignor to Triangle Package Machinery Company, Chicago, Ill. Weighing and packaging apparatus. 2,509,836, May 30.

Muskat, Morris, Oakmont, F. W. Parker, and W. L. Kehl, Penn Township, Allegheny County, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Apparatus for perforating well casings and well walls. 2,494,256, Jan. 10.

Muskegon Piston Ring Company, assignee: *See*—
McFall, Thurlow E.
Scarff, Harold M.

Mussell, Dorsey R.: *See*—
Johnson, Julius E., and Mussell.

Musselman, Alvin J., Santa Barbara, Calif. Method and apparatus for treading tires. 2,494,958, Jan. 17.

Musselman, Alvin J., Santa Barbara, Calif. Making inner tubes. 2,512,774, June 27.

Musselman, Henry E., assignor to Atlas Press Company, Kalamazoo, Mich. Saw table work guide. 2,521,302, Sept. 5.

Musselman, Iven, Greencastle, Pa. Stone pulverizer. 2,509,163, May 23.

Mussen, George A., Seattle, Wash. Space heating system. 2,509,607, May 30.

Musser, Charles W., assignee: *See*—
Kroeger, William J., and Musser.
Tomala, B. Louis.

Musser, Clarence W., Philadelphia, Pa. Telescopic gun for aircraft personnel catapult and other uses. 2,516,902, Aug. 1.

Musser, David M., East Orange, N. J., assignor to Pacific Mills, Boston, Mass. Treatment of cellulosic textile material to increase its water absorbency. 2,532,183, Nov. 28.

Musson-Genon, René: *See*—
Goudet, Georges and Musson-Genon.

Mussulman, Wayne C.: *See*—
Liggett, Robert W., and Mussulman.

Mustee, Bernard E., assignor to E. L. Mustee, Cleveland, Ohio. Sectional casing for fluid heaters. 2,528,771, Nov. 7.

Mustee, Bernard E., assignor to E. L. Mustee, Cleveland, Ohio. Fuel burner device. 2,529,307, Nov. 7.

Mustee, Bernard E., Cleveland, Ohio, assignor to E. L. Mustee and Sons, Inc. Making sacrifice rods for water tanks. 2,529,348, Nov. 7.

Mustee, E. L., and Sons, Inc., assignee: *See*—
Mustee, Bernard E.
Mustee, Emil L., assignee: *See*—
Mustee, Bernard E.
Musyl, Robert, Vienna, Austria. Device for producing camshafts and the like. 2,509,070, May 23.
Mutch, James B., Camden, assignor to Schelter Last Co. Inc., Rochester, N. Y. Shoe tree. 2,513,664, July 4.
Mutch, Nina W., Portland, Oreg. Pocket pinochle calculator. 2,500,495, Mar. 14.
Mutchler, Grover C., Easton, Pa. Reversing mechanism for skids of paper. 2,520,252, Aug. 29.
Muth, Mary, Chicago, Ill. Headwash utensil. 2,514,584, July 11.
Muth, Wilhelm C., Dayton, assignor, by mesne assignments, to Crown Controls Company, Inc., New Bremen, Ohio. Limit switch. 2,516,525, July 25.
Mutsaers, Petrus J. M.: *See*—
Schouwstra, Pieter, and Mutsaers.
Mutual Products Company, assignee: *See*—
Stevens, Paul O.
Muxen, Merle D., Redfield, S. Dak. Tool for tightening cannon pinions on watches. 2,514,784, July 11.
Muyleart, Raymond J., Montreal, Quebec, Canada. Midriff attached garment ensemble. 2,493,545, Jan. 3.
Muzinich, Thomas R., San Jose, Calif. Shoe or boot stretcher. 2,511,366, June 13.
Muzzey, Benjamin C., Lexington, Mass., assignor to General Motors Corporation, Detroit, Mich. Sheet thickness gauge. 2,502,059, Mar. 28.
Muzzey, Clifford L., Lexington, Mass., and J. B. Dunn, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Blade classifying apparatus. 2,525,267, Oct. 10.
Muzzy, Guy, Oakland, Calif., assignor of one-half to O. V. Wible, Erie, Pa. Lawn mower grass compressor. 2,517,335, Aug. 1.
Mycalex Corporation of America, assignee: *See*—
Monack, Albert J.
Myers, Claude R., Galien, and L. F. Dasse, Sodus, assignors, by mesne assignments, to Lambert Brake Corporation, St. Joseph, Mich. Vehicle brake and automatic self-adjusting means therefor. 2,526,149, Oct. 17.
Myers, Don D., Hempstead, assignor to Kay Manufacturing Corporation, Brooklyn, N. Y. Machine for offsetting the end coils of springs. 2,527,325, Oct. 24.
Myers, Donald C., Dallas, Tex. Garbage or refuse disposal unit. 2,500,466, Mar. 14.
Myers, E. A., & Sons, assignee: *See*—
Lybarger, Samuel F.
Myers, Earl H., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Unipolar generator armature. 2,501,348, Mar. 21.
Myers, F. E., & Bro. Company, The, assignee: *See*—
Conery, William J.
Myers, Freeman R., West Hartford, assignor to The New Britain Machine Company, New Britain, Conn. Filter. 2,511,292, June 13.
Myers, George B., Teaneck, N. J., assignor to Picker X-Ray Corporation, New York, N. Y. Film viewing frame. 2,518,563, Aug. 15.
Myers, George Dalton, Cincinnati, Ohio, assignor to The Edwards Manufacturing Company, Incorporated. Tubular structure. 2,522,394, Sept. 12.
Myers, Gordon S.: *See*—
Manske, Richard H. F., Trickey, and Myers.
Myers, Harold C., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Deasphalting and dewaxing hydrocarbon mixtures. 2,511,478, June 13.
Myers, Harold L., Morristown, N. J. Display container. 2,527,028. Oct. 24.
Myers, Harry L., Cleveland Heights, Ohio. Trolley collector assembly. 2,503,588, Apr. 11.
Myers, Henry F., Pittsburg, and O. A. Proelss, Antioch, Calif., assignors to Columbia Steel Company. Pickling process. 2,511,988, June 20.
Myers, Herbert B.: *See*—
Gilson, William D., and Myers.
Myers, Herman A., Whittier, Calif. Work holder. 2,534,527, Dec. 19.
Myers, Herman E., assignor of one-half to D. L. Mills, Milwaukee, Wis. Outboard motor floating device. 2,506,884, May 9.
Myers, Hubert A., assignor to The Toledo Steel Tube Company, Toledo, Ohio. Piercing cutoff machine. 2,496,013, Jan. 31.
Myers, Hugh, London, England. Handsaw. 2,525,235, Oct. 10.
Myers, Joe T., U. S. Navy. Automatic life preserver in flator. 2,513,347, July 4.
Myers, John G., assignor to Keller Tool Company, Grand Haven, Mich. Oiler for pneumatic tools and the like. 2,515,417, July 18.
Myers, John P., Portsmouth, Va. Foldaway stairway. 2,506,380, May 2.
Myers, John R., New York, N. Y., assignor to The Union Switch and Signal Company, Swissvale, Pa. Railway traffic controlling apparatus for interlocked home signals. 2,494,959, Jan. 17.
Myers, John W.: *See*—
Dague, Alvie B. C., and Myers.
Myers, Joseph M., Austin, Tex. Gear shifter control. 2,531,582, Nov. 28.
Myers, Joseph W., Philadelphia, and D. E. Dailey, Bryn Mawr, assignors to Proctor Electric Company, Philadelphia, Pa. Wiring harness and control device for electric blankets or the like. 2,520,851, Aug. 29.
Myers, Latimer D., assignor to Emery Industries, Inc., Cincinnati, Ohio. Treating fatty acids. 2,520,470, Aug. 29.
Myers, Lee A., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Apparatus for producing sulfuric acid. 2,506,647, May 9.
Myers, Leonard D., Washington, D. C., assignor to Cardox Corporation, Chicago, Ill. Fire extinguishing method and apparatus. 2,500,428, Mar. 14.
Myers, Louis, Rockford, Ill. Drink mixer. 2,498,570, Feb. 21.
Myers, Louis H., Bryn Mawr, assignor to Marlo Lab., Inc., Philadelphia, Pa. Pharmaceutical article. 2,520,852, Aug. 29.
Myers, Myron L.: *See*—
Todd, Seldon P., Myers, and Cauwenberg.
Myers, Norval F.: *See*—
Garraway, George H., and Myers.
Myers, Robert B.: *See*—
Abos, Ralph H., Stanfield, and Myers.
Myers, Robert B., and D. E. Craven, assignors, by mesne assignments, to Revco Products, Whittier, Calif. Sewing machine attachment. 2,523,586, Sept. 26.
Myers, Robert J., Rydal, assignor to Rohm & Haas Company, Philadelphia, Pa. Replacing cations in milk. 2,511,825, June 13.
Myers, Robert R., Des Moines, Iowa. Apparatus for forming thermoplastic molds for use in electrotyping. 2,496,014, Jan. 31.
Myers, Robert R., Jr., Des Moines, Iowa, assignor to Monomelt Company, Incorporated, Minneapolis, Minn. Producing flat printing plates. 2,504,080, Apr. 11.
Myers, Robert R., Jr., Des Moines, Iowa. Producing arcular printing plates. 2,507,347, May 9.
Myers, William M., Fresno, Calif. Valve unit. 2,532,568, Dec. 5.
Myers, William S., Ashland, Ky. Exercising apparatus to be used with bicycle. 2,498,047, Feb. 21.
Myerson Tooth Corporation, assignee: *See*—
Kelly, Ernest B.
Myles, James R.: *See*—
Richards, Raymond B., Myles, and Whittaker.
Myles, James R., and N. H. Ray, Northwich, England, assignors to Imperial Chemical Industries Limited. Making silicon ester resins. 2,529,956, Nov. 14.
Myles, William J., Summit, and J. H. Prichard, Springfield, N. J., assignors to Celanese Corporation of America. Polymeric sulfurous acid esters. 2,497,135, Feb. 14.
Mylie, Salvatore, Eureka, Calif. Tow bar. 2,497,234, Feb. 14.
Myller, Ernest, New York, N. Y. Medical instrument. 2,514,665, July 11.
Mylting, Lauritz E., Merchantville, N. J., assignor to The Allen-Sherman-Hoff Company, Philadelphia, Pa. Method and apparatus for handling solids in water suspension. 2,504,081, Apr. 11.
Mylting, Lauritz E., Merchantville, N. J., assignor to The Allen-Sherman-Hoff Company, Philadelphia, Pa. Automatic dust handling system. 2,514,333, July 4.
Mynall, Dennis J., Rugby, England, assignor to General Electric Company. Voltage limiting circuit. 2,509,742, May 30.
Mynssen, Jacob W., assignor to Aktiengesellschaft der Eisen- und Stahlwerke vormals Georg Fischer. Schaffhouse, Switzerland. Vehicle wheel with demountable felly. 2,528,163, Oct. 31.
Myrmirides, George M., Brooklyn, N. Y. Motor generator. 2,511,412, June 13.
NEA Service, Inc., assignee: *See*—
Thompson, Louis A.
N. V. Bronswerk, assignee: *See*—
Klijzing, Daniël.
N. V. Chemische Industrie "Rids," assignee: *See*—
Obermann, Anton P. R. and R. W. H.
N. V. D. de Wit Hzn, assignee: *See*—
Hubert, Bert.
N. V. Iisfabriek en Koelhuis Iisvries, assignee: *See*—
Allard, Franciscus A. A. M.
N. V. Koninklijke Pharmaceutische Fabrieken V/H Brocades-Stheeman & Pharmacia, assignee: *See*—
Ernsting, Meine J. E., and Nauta.
N. V. Nederlandsche Vliegtuigenfabriek Fokker, assignee: *See*—
Backer, Willem A. J.
N. V. Optische Industrie "De Oude Delft," assignee: *See*—
Bouwers, Albert.
Bouwers, Albert, Becker, and van Gorcum.
N. V. Transorma Bundel-Sluit-Machine "B. S. M.," assignee: *See*—
Marchand, Jean J. M. L.
N & W Industries, Incorporated, assignee: *See*—
Herring, Howard L.
Naab, Julius, Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Heat exchanger. 2,514,894, July 11.

Naamlooze Vennootschap: W. A. Scholten's Aardappelmeelfabrieken, assignee: *See*—
Krizkovsky, Fritz L. P., and Huneman.
Lolkema, Jan, and van der Meer.

Nabors, William C., Mansfield, La. Lower fifth wheel. 2,530,311, Nov. 14.

Nabstedt, Arthur T., Hamden, and J. O. Berndtson, Short Beach, assignors to The Snow-Nabstedt Gear Corporation, New Haven, Conn. Fluid pressure operated clutch. 2,502,798, Apr. 4.

Nabstedt, Arthur T., Hamden, and J. O. Berndtson, Short Beach, assignors to The Snow-Nabstedt Gear Corporation, New Haven, Conn. Reversing gear. 2,502,799, Apr. 4.

Naccarato, Antonio C., and R. E. McCauley, Los Angeles, Calif. Bottle capping machine. 2,498,443, Feb. 21.

Nace, Clement E., Stowe, Pa. Copyholder. 2,505,300, Apr. 25.

Nacey, Harry M., assignee: *See*—
Jackson, Frank W.
Jackson, Frank W., and Nacey.

Nachem, Samuel, New York, N. Y. Hem construction. 2,535,224, Dec. 26.

Nachtigal, Daniel A., Shafter, Calif. Open-end tube closure. 2,512,169, June 20.

Nachumsohn, Irving, Chicago, Ill.; now by judicial change of name Irving Naxon. Motorized washing machine drive unit. 2,505,741, Apr. 25.

Naclerio, Emil A., New York, N. Y. Surgical support for patients in face-down position. 2,507,172, May 9.

Nadai, Arpad, Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. High velocity tensile machinery. 2,498,291, Feb. 21.

Nadal, René R.: *See*—
Vigo, Castor M., and Nadal.

Nadeau, Gale F., and W. R. White, assignors to Eastman Kodak Company, Rochester, N. Y. Antistatic photographic film. 2,494,054, Jan. 10.

Nadel, Louis D., assignor to Graflex, Inc., Rochester, N. Y. Roll film camera having differential means for operating pressure pads. 2,495,019, Jan. 17.

Nader Engineering Company, assignee: *See*—
Hancock, John L.
Watkins, Raymond O.

Nadolinski, Barney, Milwaukee, Wis. Manual boat propelling mechanism. 2,518,808, Aug. 15.

Naegeli, Werner, assignor to Actiengesellschaft Joh. Jacob Rieter & Cie, Winterthur, Switzerland. Pressure device for drawing frames. 2,508,964, May 23.

Naffin, Alfred: *See*—
Vandergrift, Ercel C., Sr., and Naffin.

Naftel, Jack J.: *See*—
Watkins, Clarence T., and Naftel.

Nafziger, Ralph L., Chicago, Ill. Baking. 2,495,469, Jan. 24.

Nagel-Chase Mfg. Co., The, assignee: *See*—
Schultz, Edward.
Schultz, Edward, Jr.

Nagel, Fritz J.: *See*—
Minter, Herbert F., and Nagel.

Nagel, Fritz J., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Polyhydroxybenzene-formaldehyde adhesive and preparing and employing same. 2,495,175, Jan. 17.

Nagel, Fritz J., Pittsburgh, and C. C. Horstman, Sharpsville, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Insulation for magnetic material. 2,501,349, Mar. 21.

Nagel, Fritz J., Oakland, and B. C. Nash, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Thermoset laminated member. 2,534,923.

Nagel, George A., Chester, assignor to Eastern Industries, Incorporated, East Norwalk, Conn. Traffic counting apparatus. 2,525,824, Oct. 17.

Nagel, Henry M., Baltimore, Md. Trousers. 2,504,718, Apr. 18.

Nagel, John D., and W. Lang, Chicago, Ill. Combined miniature bowling game and ashtray. 2,518,169, Aug. 8.

Nagel, Richard W., assignee: *See*—
Franck, Albert J.

Naghski, Joseph: *See*—
Couch, James F., Naghski, and Porter.
Krewson, Charles F., Naghski, and Porter.

Nagin, Harry S., Philadelphia, assignor to Reliance Steel Products Company, McKeesport, Pa. Treatment of grating structures. 2,515,311, July 18.

Nagl, Frank X., Hartford, Conn. Electrocuting trap. 2,519,783, Aug. 22.

Nagle, William S.: *See*—
Kornfeld, William Frank and Nagle.

Nagy, Daniel E., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Rapidly curing thermosetting aminoplastic compositions. 2,523,477, Sept. 26.

Nagy, Daniel E., Stamford, and D. W. Kaiser, Riverside, Conn., assignors to American Cyanamid Company, New York, N. Y. Chlorinated isomelamines. 2,498,217, Feb. 21.

Nahin, Paul G.: *See*—
Fleck, Raymond N., and Nahin.

Nahin, Paul G., and H. C. Huffman, Long Beach, assignors to Union Oil Company of California, Los Angeles, Calif. Supported catalyst and preparation thereof. 2,510,189, June 6.

Nahman, Gustave, Englewood, N. J. Cylindrical magnetic core. 2,498,702, Feb. 28.

Nahman, Gustave, Englewood, N. J. Electromagnetic structure. 2,516,140, July 25.

Nahmens, Paul M., Chicago, Ill. Combined guard and cover for craftmen's tables. 2,515,466, July 18.

Naidenoff, Noel: *See*—
Lassmann, Clyde V., and Naidenoff.

Nairn, Travis D., Dolton, Ill. Coating popcorn. 2,518,247, Aug. 8.

Nakamura, Richard I., assignor to Y. Nakamura, Waipahu, Oahu, Hawaii. Frame with slidable tool bit. 2,512,238, June 20.

Nakamura, Yoshiko, assignee: *See*—
Nakamura, Richard I.

Nakaura, Fukashi, assignor to Hawaiian Pineapple Company, Limited, Honolulu, Territory of Hawaii. Case packer. 2,500,699, Mar. 14.

Nakayama, Frank Y., assignor to C. T. Takahashi, Seattle, Wash. Knitted fabric and making the same. 2,519,493, Aug. 22.

Nalle, Charles R., Philadelphia, Pa. Caster structure. 2,499,277, Feb. 28.

Namenyi-Katz, Laszlo, London, England. Counting apparatus. 2,508,965, May 23.

Namenyi-Katz, Laszlo, London, England. Vacuum cleaner. 2,529,625, Nov. 14.

Namet, Julius, Freedom, Ohio. Cable connector. 2,527,227, Oct. 24.

Nampa, Sulo M., assignor to Evans Products Company, Detroit, Mich. Apparatus for loading freight or the like. 2,513,348, July 4.

Nampa, Sulo M., assignor to Evans Products Company, Detroit, Mich. Freight loading. 2,519,846, Aug. 22.

Nampa, Sulo M., Detroit, Mich., K. J. Tobin, Chicago, Ill., and H. L. Dunlap, Dearborn, assignors to Evans Products Company, Plymouth, Mich. Freight loading apparatus. 2,497,683, Feb. 14.

Nanasi Co., Inc., assignee: *See*—
Speck, Kurt.

Nance, Clarence R., U. S. Navy. Salvage valve. 2,495,754, Jan. 31.

Nance, Keith L. and L. R. Chance, assignors to L. G. S. Spring Clutch Corporation, Indianapolis, Ind. Separation of cylinders from spheres. 2,494,939, Jan. 17.

Nancy Garment Company, assignee: *See*—
Miles, Maebyn.
Miles, Maebyn L.

Nanfeldt, William J.: *See*—
Groten, Frank J., and Nanfeldt.

Nankeman, William J., Dodson, Mont. Animal catching and holding implement. 2,522,533, Sept. 19.

Nanson, Thomas G., Los Angeles, Calif. Apparatus for fraying strip fabrics. 2,529,042, Nov. 7.

Nantz, Frank L., Galveston, Tex. Sail-equipped lifeboat having leeboards. 2,525,933, Oct. 17.

Napier, Anthony J., Pittsburgh, Pa., and H. F. Lesso, Dearborn, Mich., assignors, by mesne assignments, to Dacar Chemical Products Company, Pittsburgh, Pa. Coating composition for molds. 2,502,473, Apr. 4.

Napier, Archibald S., St. Paul, Minn. Carton structure. 2,525,268, Oct. 10.

Napier, D., & Son Limited, assignee: *See*—
Barlow, Benjamin W.
Chatterton, Ernest E.
Pehn, Alfred J.

Napier, Henry, Springfield, assignor to F. E. Schundler & Co., Inc., Joliet, Ill. Bonding mineral insulating material. 2,495,597, Jan. 24.

Napier, Maurice A., Akron, Ohio. Lever and link feed sliding jaw wrench. 2,534,985, Dec. 19.

Naples, Angelo F., trustee, assignee: *See*—
Delegard, Carl J., and Nardulli.
Nardulli, Michael J.

Napoli, John, Monterey, Calif. Hull form for speedboats. 2,530,718, Nov. 21.

Napoli, John, Monterey, Calif. Propulsion means for boats. 2,533,681, Dec. 12.

Napper, Mannie I., Boise, Idaho. Mechanical movement for the conversion of reciprocating and rotary motion. 2,528,386, Oct. 31.

Naps, Marguerite, Oakland, assignor to Shell Development Company, San Francisco, Calif. Granular polymerization of vinyl chloride. 2,494,517, Jan. 10.

Nardi, Vito A., Chicago, Ill. Band sawing machine with adjustable angle of cut. 2,511,989, June 20.

Nardone, Romeo M., Teaneck, assignor to Joseph J. Mascuch, Millburn, N. J. Variable-speed drive. 2,495,470, Jan. 24.

Nardone, Romeo M., Teaneck, assignor to Bendix Aviation Corporation, Teterboro, N. J. Oil sealing means for starters. 2,503,350, Apr. 11.

Nardone, Romeo M., Teaneck, assignor to J. J. Mascuch, Maplewood, N. J. Engine accessory. 2,513,734, July 4.

Nardone, Romeo M., Teaneck, assignor to J. J. Mascuch, Maplewood, N. J. Engine accessory. 2,513,735, July 4.

Nardulli, Michael J.: *See*—
Delegard, Carl J., and Nardulli.

Nardulli, Michael J., Chicago, Ill., assignor to M. J. Nardulli, A. F. Naples, P. F. Nardulli, and W. H. Mozal, or the survivor of them, as trustees, known as Western Engineering Trust. Auxiliary closure for windows. 2,514,349, July 4.

Nardulli, Michael J., Chicago, Ill., assignor, by mesne assignments, to M. J. Nardulli, A. F. Naples, P. F. Nardulli, and W. H. Mozal, as trustees. Venetian blinds. 2,535,751, Dec. 26.

Nardulli, Peter F., assignor to Western Engineering Trust, Chicago, Ill., trustees. Dust guard for railway journal boxes. 2,497,056, Feb. 7.

Nardulli, Peter F., trustee, assignee: *See*—
Delegard, Carl J., and Nardulli.
Nardulli, Michael J.

Narracott, Eric S.: *See*—
Fawcett, E. W. Musther, and Narracott.

Narramore, Emmet W., Oakland, Calif. Water filling nozzle. 2,503,762, Apr. 11.

Narrow, Anton H., Memphis, Tenn. Strip casting machine. 2,531,290, Nov. 21.

Nase, Benjamin M., Lederach, assignor to Superior Tube Company, Norristown, Pa. Tubemaking machine. 2,513,349, July 4.

Nasello, Roy, Brooklyn, N. Y. Toy gun and cocking mechanism therefor. 2,521,083, Sept. 5.

Nash, Alfred G., Richmond Hill, assignor to Fairchild Camera and Instrument Corporation, Jamaica, N. Y. Rotating camera mount. 2,516,068, July 18.

Nash, Arthur E., assignor of two-fifths to G. M. Nash, one-fifth to A. E. Nash, Jr., one-fifth to W. G. Nash, and one-fifth to P. J. Nash, Kent, Ohio. Armature winding and making the same. 2,502,631, Apr. 4.

Nash, Arthur E., Jr., assignee: *See*—
Nash, Arthur E.

Nash, Bruce C.: *See*—
Nagel, Fritz J., and Nash.

Nash, Daniel J., Jersey City, N. J. Fanfold pass case. 2,530,071, Nov. 14.

Nash Engineering Company, assignee: *See*—
Adams, Harold E.

Nash, Gertrude M., assignee: *See*—
Nash, Arthur E.

Nash, John P.: *See*—
Hudspeth, Emmett L., and Nash.

Nash-Kelvinator Corporation, assignee: *See*—
Carney, Clifford R.
Doeg, Ralph W.
Fishline, Floyd F.
Giffard, Whitney.
Kishline, Floyd F.
Philipp, Lawrence A.
Wahlberg, Nils E.
Wahlberg, Nils E., and Sladky.

Nash, Patricia J., assignee: *See*—
Nash, Arthur E.

Nash, William G., assignee: *See*—
Nash, Arthur E.

Nasmith, John I., assignor to Vickers-Armstrongs Limited, London, England. Wire stitching mechanism. 2,530,312, Nov. 14.

Nasmith, John I., assignor to Vickers-Armstrongs Limited, London, England. Wire stitching mechanism. 2,531,985, Nov. 28.

Nason, Howard K., and D. T. Mowry, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. 2-methyl-4-keto-1,3-benzothioxane. 2,496,741, Feb. 7.

Nassif, David, Wilbraham, Mass. Machine for cooking skewered foods. 2,494,448, Jan. 10.

Nassimbene, Ernest, assignor to The Gates Rubber Company, Denver, Colo. Conveyer belt for photographic printing machines. 2,532,184, Nov. 28.

Nassour, Edward, assignee: *See*—
O'Brien, Willis H.

Nast, Paul H., West Springfield, Mass., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Oiler for percussive tools. 2,512,366, June 20.

Nast, Paul H., West Springfield, Mass., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Drill steel centralizer. 2,523,512, Sept. 26.

Nast, Paul H., West Springfield, Mass., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Rock drill. 2,525,422, Oct. 10.

Nastrom, Nels, Elk Mountain, Wyo. Egg holder and breaker. 2,505,717, Apr. 25.

Natale, Dominick A., East Rutherford, N. J. Floodlight. 2,511,937, June 20.

Natelson, Samuel, and B. Kramer, Brooklyn, N. Y., and R. Tekel, Chicago, Ill., assignors to The Jewish Hospital of Brooklyn Research Foundation, Inc., Brooklyn, N. Y. Certain iodinated hydroxyphenyl cycloalkyl carboxylic acids. 2,496,064, Jan. 31.

Nath, Michael, Detroit, Mich. Drafting device. 2,509,164, May 23.

Nathan, Ellis, assignor to Pennsylvania Pump & Compressor Company, Easton, Pa. Centrifugal unloader for compressors. 2,529,349, Nov. 7.

Nathan, Fred W., assignor to G. J. Nathan, Washington, D. C. Shoe stretcher. 2,500,917, Mar. 14.

Nathan, George J., assignee: *See*—
Nathan, Fred W.

Nathan Manufacturing Company, assignee: *See*—
Erikson, Carl F.
Shakin, Samuel.
Swanson, Robert E.

Nathan, Steven F., New York, N. Y. Tooth scrubber or cleaner. 2,517,912, Aug. 8.

Nathanson, Max, Montreal, Quebec, Canada. Drink mixer. 2,507,676, May 16.

Nation-Tellery, Louis M., South Kensington, London, England. Calculating device. 2,515,789, July 18.

National Acme Company, The, assignee: *See*—
Beacom, Robert.
Drissner, Alfred E.
Jeffrey, Max L.

National Airoil Burner Company, Incorporated, assignee: *See*—
Ferguson, William.

National Aluminate Corporation, assignee: *See*—
Bird, Paul G.
Jacoby, Arthur L.
Ryznar, John W., and Peich.

National Automotive Fibres, Inc., assignee: *See*—
Davies, Clarence J.
Ratley, Harold M., and Lind.

National Autostitch Corporation, assignee: *See*—
Wember, Walter E.

National Bank of Commerce, administrator: *See*—
Thuras, Albert.

National Battery Company, assignee: *See*—
Rupp, John L.

National Biscuit Company, assignee: *See*—
Bloom, Richard A.
Davidson, Bruce J.
Moore, George A.

National Blank Book Company, assignee: *See*—
Schade, Frank S.

National Brass Company, assignee: *See*—
Lickteig, Albert F.

National Bread Wrapping Machine Co., assignee: *See*—
Hoppe, William.

National Broach & Machine Company, assignee: *See*—
Anthony, Russel W.
Austin, Donald D., Sr.
Praeg, Walter S.
Schulte, William A.

National Bronze & Aluminum Fdry. Co., assignee: *See*—
Mosley, Alfred J.

National Cash Register Company, The, assignee: *See*—
Barr, Theodore F., and Doughman.
Chollar, Robert G., and Dudis.
Christian, Raymond A.
Christian, Raymond A., and Paden.
Davidson, John T., Ganger, Crawford, and Sadgebury.
Davidson, John T., Williams, Ganger, and Crawford.
Goodbar, Mayo A., and Green.
Green, Barrett K.
Gulden, Ernest V.
Klosterman, Joseph J.
Kreider, Walter J.
Lambert, Harry L.
Mumma, Robert E.
Sherer, Chester C., Koontz, and Hoefler.
Slonneger, Bruce K.
Wilson, Galen J.

National Chemical Products Pty. Limited, assignee: *See*—
Terkel, Maryan, and Silberman.

National City Bank, The, administrator: *See*—
Thomas, Albert R.
Thomas, Albert R., and Edberg.

National City Bank of Evansville, Ind., The, administrator: *See*—
Thomas, Albert R.

National Company, Inc., assignee: *See*—
Campbell, Dudley H., and Larkin.

National Cylinder Gas Company, assignee: *See*—
Bernard, Arthur A.
Bottoms, Robert R.
Bour, Robert C.
Candy, Albert M.
Girard, Dean C.
Heeren, Martin H.
Mott, Chester.
Mott, Chester, and Chouinard.
Mott, Chester, Chouinard, and Tylutki.
Ward, Bert G., Jr.

National Dairy Research Laboratories, Inc., assignee: *See*—
Stacey Richard C.

National Distillers Products Corp., assignee: *See*—
Gause, Russell H.
Nickol, Gordon B.

National Drug Company, The, assignee: *See*—
Alpert, Sidney, and Martin.
Avakian, Souren, and Martin.
Beiler, Jay M., and Martin.
Martin, Gustav J., and Avakian.
Martin, Gustav J., and Hanslick.
Urist, Harold, and Martin.

National Electric Instrument Co., Inc., assignee: *See*—
Rubens, Harry S., and Suwa.

National Electric Products Corporation, assignee: *See*—
Solero, Elliott.

National Electric Welding Machines Company, assignee: *See*—
Fisher, Simon.
National Engineering Company, assignee: *See*—
Rakos, Ernest.
National Equipment Corporation, assignee: *See*—
Guggenheim, Max M.
Perkins, George S.
National Fastener Corporation, assignee: *See*—
Carlile, Alfred E.
National Fireproofing Corporation, assignee: *See*—
Christie, Llewellyn M.
National Fitch Corporation, assignee: *See*—
Fitch, Benjamin F.
Norbom, Ragnar A.
National Foam System, Inc., assignee: *See*—
Boerner, Lewis W., and Holmes.
Boyd, Fisher L., and Boerner.
National Folding Box Company, Inc., assignee: *See*—
Cole, Arthur E.
Elliott, Charles I., and Pantalone.
McDermott, Richard W.
Pantalone, Vincent R.
Pantalone, Vincent R., and Williamson.
Williamson, Marshall I.
National Geographic Society, assignee: *See*—
Bumstead, George N.
National Gypsum Company, assignee: *See*—
Buchanan, John W.
Crandell, Dean D., and Burnett.
Fitzsimmons John J.
Mallory, Ora A.
Newman, Betty O.
National Heaters, Inc., assignee: *See*—
Josephson, Archie.
Larkin, Artemas M.
National Inventions Corporation, assignee: *See*—
Bridges, John H.
National Lead Company, assignee: *See*—
Baldwin, William J.
Blumenthal, Warren B.
Bosonetto, Henry A., and Hedeman.
Carter, Lawrence W., Hendricks, and Bolley.
Dittmer, Joseph C.
Dustan, Frank.
Farrow, John R.
Jordan, John W.
Kebrich, Leonard M.
Kingsbury, Franklin L., and Schultz.
Larsen, Delmar H.
Merker, Leon, and Espenschied.
Peterson, Edwin P., and Muller.
Tinsley, Stanley G.
Turner, Joseph L., and Alessandroni.
Van Mater, Henry L.
Wainer, Eugene.
National Lock Company, assignee: *See*—
Stone, Roy A.
National Lock Washer Company, The, assignee: *See*—
Schunk, Joseph.
National Machine Company, assignee: *See*—
Mersinger, Peter H.
National Machine Engineers, assignee: *See*—
Lampl, Josef.
National Machine Products, assignee: *See*—
Lampl, Josef.
National Machinery Company, The, assignee: *See*—
Friedman, John H.
National Malleable and Steel Castings Company, assignee: *See*—
Blackmore, William.
Buckius, Albert O.
Buckius, Albert O., and Willison.
Gavin, Beauford E., Sr.
Metzger, William J.
Shafer, James A.
Smith, Herbert H.
Spence, Hubert L., and Metzger.
Spence, Hubert L., and Willison.
Woody, Walton L., and Gavin, Sr.
National Manufacturing & Sales Company, assignee: *See*—
Fether, Donald W.
National Marketing Machine Company, The, assignee: *See*—
Osborne, Raymond.
National Marking Machine Company, The, assignee: *See*—
Carothers, Thomas A., and Burkhard.
Carothers, Thomas A., Des Jardins, and Utz.
Keuper, William J.
Sell, Francis M.
National Metal Products Company, assignee: *See*—
Hileman, Keil E.
National Nickel Company, Inc., The, assignee: *See*—
Kihlgren, Theodore E., Pease, and Le Grand.
National Organ Supply Company, assignee: *See*—
Cloyd, Harold S.
Roehrl, Bruno C.
National Peanut Corporation, assignee: *See*—
Hudock, Andrew A.
National Plastic Products Company, The, assignee: *See*—
Samler, Lee F.
Wolfson, Samuel A.
National Pressure Cooker Company, assignee: *See*—
Buske, Gilbert E.
National Research Corporation, assignee: *See*—
Cotton, Robert H., and Schroeder.
Downing, James R. O.
Schwarz, Hugh W., Hellier, and Schroeder.
National Rubber Machinery Company, assignee: *See*—
Hanson, Alden W., Heston, and Buecken.
Magerkurth, Wilhelm A., and Buecken.
Mallory, Edwin E., and White.
National Silver Company, assignee: *See*—
Bergen, Albert.
National Slug Rejectors, Inc., assignee: *See*—
Foushee, Robert M.
National Southern Products Corporation, assignee: *See*—
Young, Clarence B. F., and Calleton.
National Stamping Company, assignee: *See*—
Beyer, Frederick W.
Nofz, Harold E.
National Stamping & Plating Corporation, assignee: *See*—
Slauson, Stephen A.
National-Standard Company, assignee: *See*—
De Garmo, Richard E.
Harmon, Albert G.
Luke, Clare.
Pierce, Robert C.
National Starch Products Inc., assignee: *See*—
Konigsberg, Moses.
White, Thomas A.
National Steel Container Corporation, assignee: *See*—
Cerniak, Henry L.
National Steel Corporation, assignee: *See*—
Black, Nolan S.
Cover, Martin L.
Harding, Cyril R. B.
Jackson, Virgil S.
Kadell, Alfred E.
Klein, Clarence J.
Kompart, Walter W.
Meyer, Henry E.
Shannon, Harold S.
National Supply Company, The, assignee: *See*—
Babcock, Lloyd L., and Spalding.
Bush, John C.
Holmquist, John L., and Pheneger.
Kling, Henry.
Knox, Donald G., and Abraham.
Shepherd, Harold F., and Areson.
Willke, Herbert L.
Young, Forrest J.
National Syrup Products Co., assignee: *See*—
Lebeson, Herman, and Field.
National Technical Laboratories, assignee: *See*—
Cary, Henry H., and George.
Molloy, Everett W.
National Telephone Supply Company, The, assignee: *See*—
Klein, Charles H.
National Tool and Die Company, Inc., assignee: *See*—
Day, Luther V.
National Transit Pump and Machine Company, assignee: *See*—
Sharp, Jefferson M.
National Tube Company, assignee: *See*—
Anuszkiewicz, Walter R.
Bannister, Bryant.
Findlay, Samuel N., and Hayes.
Graham, James B.
Gross, Harry E.
Kennedy, Truman H.
Kennedy, Truman H., and Mortson.
Kritscher, Andrew F.
Lindgren, John.
Meng, Frederick H., and Tyson.
Offutt, John W.
Sattele, Louis F., and Scharff.
Webb, Samuel.
Wehman, William T.
Willis, Ralph E.
National Twist Drill & Tool Company, assignee: *See*—
Rundorff, Charles E.
National Union Radio Corporation, assignee: *See*—
Jervis, Ernest R.
Koch, Henry J.
Levy, Gustave, and Simbrat.
McLean, William S.
Milne, Douglas D.
Schneider, Gerhard G.
Schneider, Gerhard G., and Donohue.
Schramm, Raymond R.
Skellett, Albert M.
National Waste Company Incorporated, assignee: *See*—
Schulein, George.
National Welding Equipment Co., assignee: *See*—
Hammon, George L.
National Zinc Company, Inc., assignee: *See*—
Morrison, Clyde W.
Natland, Manley L., assignee: *See*—
Taylor, Howard A.

Natland, Manley L., Long Beach, Calif., assignor, by mesne assignments, of one-half to Lester Callahan. Drilling wells. 2,514,585. July 11.

Natland, Manley L., and H. A. Taylor, Long Beach, Calif., said Taylor assignor to Lester Callahan. Apparatus for drilling wells. 2,514,586. July 11.

Nattenheimer, Martin L., Chicago, Ill. Mattress provided with handles. 2,502,584. Apr. 4.

Nattenheimer, Martin L., Chicago, Ill. Mattress handle. 2,513,582, July 4.
Natzke, Alfred G., Lynbrook, assignor to Lamar Slide Fastener Corp., New York, N. Y. Tape tension clamp for slide fastener machines. 2,523,387, Sept. 26.
Natzke, Alfred G., assignor to Lamar Slide Fastener Corp., New York, N. Y. Wire gauge. 2,533,606, Dec. 12.
Natzke, Alfred G., J. Willetts, and J. Frykberg, assignors to Lamar Slide Fastener Corp., New York, N. Y. Top stop attaching machine. 2,523,388, Sept. 26.
Natzler, Paul: *See*—
Scheuermann, Otto G., and Natzler.
Natzler, Paul, Jackson Heights, N. Y., assignor to Conmar Products Corporation, Newark, N. J. Automatic lock slider. 2,535,508, Dec. 26.
Natzler, Paul, Jackson Heights, N. Y., and O. G. Scheuermann, Westfield, assignors to Conmar Products Corporation, Newark, N. J. Mold for slide fastener sliders. 2,495,539, Jan. 24.
Naugle, John J., New York, N. Y. Clarifier. 2,498,292, Feb. 21.
Naugle, John J., New York, N. Y. Treating sugar-containing solutions. 2,515,353, July 18.
Naugler, Walter E., and E. W. Stacey, Beverly, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Ammunition feeder. 2,524,132, Oct. 3.
Naumann, Herbert O., Englewood, N. J., assignor to North American Rayon Corporation, New York, N. Y. Apparatus for treating yarn. 2,532,325, Dec. 5.
Naumann, Herbert O., Englewood, N. J., assignor to North American Rayon Corporation, New York, N. Y. Fluid circulating thread guide roller. 2,532,326, Dec. 5.
Naumann, William: *See*—
Brooke, Albert, and Naumann.
Nauslar, Benjamin F., San Diego, Calif. Electric plug. 2,506,967, May 9.
Nauta, Wybe T.: *See*—
Ernsting, Meine J. E., and Nauta.
Nava, Mario, Macclesfield, England. Apparatus for winding yarns on cards. 2,533,037, Dec. 5.
Navarro, Miguel, E. J. and A. E. Llovet, Buenos Aires, Argentina. Pressure control device for pneumatic tires. 2,510,052, June 6.
Nave, Alfred E.: *See*—
Norrish, John W., and Nave.
Naves, Yves-René, Geneva, Switzerland, assignor, by mesne assignments, to The Givaudan Corporation. Preparing alpha-irone isomers by cyclization of pseudo-irones. 2,517,800, Aug. 8.
Navias, Louis, Schenectady, N. Y., assignor to General Electric Company. Ceramic dielectric material and making. 2,515,790, July 18.
Navikas, Victor A., assignor to Armstrong Cork Company, Lancaster, Pa. Compositions, including a hydrogenated semidrying oil and methacrylate resin mixture as a lubricant. 2,495,277, Jan. 24.
Navin, John E., Lombard, Ill. Forming sheet metal gutters. 2,493,415, Jan. 3.
Navratil, Clarence: *See*—
Chamberlain, Paul A., and Navratil.
Navy, the United States of America as represented by the Secretary of the, assignee: *See*—
Allen, Clement H.
Alvarez, Luis W.
Anderson, Wilmer C.
Backus, Walter M., Jr., and Jarvis.
Barth, Theodore H.
Birdsall, Edwin H.
Bowman, David F.
Breeze, George E., and Brockwell.
Broadbent, John H.
Brode, Robert B.
Brown, Calvin F.
Brown, Carl W.
Burger, Michael J., Collins, and Cosler.
Burris, Albert.
Buswell, Arthur M.
Carpenter, Theodore H.
Channell, James W.
Clapp, Roger E.
Cork, Bruce B.
Dell, Albert H., and Sreb.
Dike, Sheldon H.
Doak, John B.
Ernst, Hans, and Sassen.
Erwood, John.
Ewing, William M., and Vine.
Ferris, Robert G., and Dike.
Fink, Jean, and Hebbeln.
Foley, Nelson D.
Frederick, Arden H.
Golden, Sidney, Comley, and Alexander.
Golian, Serge E., and Whitmer.
Grace, William J.
Gray, John W.
Hamlin, David W.
Hana, Thomas C.
Hanson, Russell O., and Saars.
Hare, Donald G. C.
Hartig, Henry E.
Hatcher, John B.
Hersh, John F., Faran, and Reitz.
Higgs, Paul M.
Holliday, Clyde, and Hamilton.
Navy, the United States of America as represented by the Secretary of the, assignee: *See*—Continued.
Hudson, Donald E., and Lindvall.
Hudspeth, Emmett L., and Nash.
Hughes, Ernest, Agy, and Duffin.
Izenour, George C.
Jordan, James D.
Jordan, James D., and Ferris.
Klein, Norman E.
Kuper, James. B. H., and Cole.
Lansman, Paul S.
Lauritsen, Charles C.
Lauritsen, Charles C., and Wilson.
Lawson, Robert K., McClintock, Hendrickson, and Woodman.
Le Page, Wilbur R.
Lloyd, Paul E.
Longwell, Paul A., Ayers, and Sage.
Looney, Charles T. G.
Looney, Charles T. G., Howell, and Johnston.
Martin, Edward G.
Mason, Harry A.
McFarlane, Maynard D.
Mesa, Joseph O.
Miller, Neville F.
Mye, Robert G., and Apple.
Panofsky, Wolgang K. H.
Piper, Glenn T., and Sutton.
Porter, Henry H.
Pound, Robert V.
Rabenhorst, David W.
Rabinow, Jacob.
Richards, Lorenzo A., and Lindvall.
Roberts, Shepard.
Roberts, Walter van B.
Robertson, Jack B.
Rockwell, Gaynor O.
Ross, Daniel W., and Hopkins.
Rule, Bruce H.
Schmitt, Otto H.
Schneider, Edwin G.
Schuck, Oscar H.
Sebring, Paul B., and Brooks.
Selvidge, Harner.
Sherwin, Chalmers W., and Meagher,
Silvey, Gene A.
Smith, Frederick H., and Couperus.
Smith, Nicol H.
Smith, Nicholas M., Jr., and Crocker.
Stanton, Russell S.
Starr, Merle A.
Steen, Willis J.
Stephenson, Richard G.
Stone, Albert M.
Tomlines, Thomas F. I.
Towner, Orrin W.
Tull, William J., and Proctor.
Turk, Amos.
Wallace, Roger W., and Colburn.
Wardwell, George W., Jr.
Werner, Frank D.
Wheeler, Harold A.
Whiting, Leo R., and Wangner.
Wilchinsky, Zigmond W.
Williams, Philip S., and Sewell.
Winter, Courtney P.
Wolfert, Edward R.
Young, Carl T.
Naylor, Joseph F., Newton-le-Willows, assignor to T. & T. Vicars Limited, Earlestown, Newton-le-Willows, England. Dough molding and cutting machinery. 2,525,711, Oct. 10.
Naylor, Joshua C., and J. N. Fieldhouse, Newcastle-upon-Tyne, assignors to Vickers-Armstrongs Limited, London, England. Radial pump or hydraulic motor. 2,525,498, Oct. 10.
Naylor, William E.: *See*—
Menzer, Anton and Naylor.
Naymik, Joseph: *See*—
Jennings, Lawrence D., and Naymik.
Naysmith, Shirley R., assignor to The Miller Company, Meriden, Conn. Fluorescent lighting fixture. 2,531,232, Nov. 21.
Naxon, Irving: *See*—
Nachumsohn, Irving.
Nazzewski, Mathew: *See*—
Brooks, Lester A., Markarian, and Nazzewski.
Neal, Ernest C., assignor of one-half to E. Brandell, Chicago, Ill. Leverage system. 2,526,263, Oct. 17.
Neal, Julian E., assignor of fifty per cent to M. R. Jackson, Sr., Port Arthur, Tex. Automatic gate. 2,513,887, July 4.
Neal, Mary L., Baton Rouge, La. Baby garment. 2,530,719, Nov. 21.
Neal, Ralph H.: *See*—
Gooding, Chester M., Vahlteich, and Neal.
Vahlteich, Hans W., Neal, and Gooding.
Neal, Ray L., Drexel Hill, assignor to A. Pomerantz & Company, Philadelphia, Pa. Calendar. 2,526,575, Oct. 17.
Neal, Robert A., Media, Pa., and C. L. Sadler, Jr., Rockford, Ill., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Fuel control for aviation gas turbine power plants. 2,506,611, May 9.

Neal, Thomas E., Chicago, Ill. Wedgie type shoe. 2,507,991, May 16.
Neal, William E., Dallas, Tex. Garment hanger and clamp. 2,517,336, Aug. 1.
Neale, Dory J., Topeka, Kans. Cable terminal. 2,533,137, Dec. 5.
Neale, Fred, Coventry, England. Automatic brake adjuster. 2,493,993, Jan. 10.
Neasham, Leo B: *See*—
Danielson, Vincent A., and Neasham.
Nebel, Charles N., Denville, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Antenna auxiliary control circuit for directional beam scanning systems. 2,518,564, Aug. 15.
Nebel, Miguel E., Barcelona, Spain. Cinematograph projector for films having pictures arranged in plural rows. 2,499,522, Mar. 7.
Nebel, William, Charlotte, N. C. Ankle and high splice structure in full-fashioned stocking and making the same. 2,532,071, Nov. 28.
Nebel, William, Charlotte, N. C. High splice structure for full-fashioned stockings and making the same. 2,532,072, Nov. 28.
Nederlandsche Centrale Organisatie Voor Toegepast-Natuurwetenschappelijk Onderzoe, assignee: *See*—
Van Dijck, Willem J. D., and Ginsel.
Nederlandse Organisatie voor Toegepast-Natuurwetenschappelijk Onderzoek, ten behoeve van de Voeding, assignee: *See*—
Tollenaar, Frederik D.
Nebesar, Robert J., assignor to Universal Moulded Products Corporation, Bristol, Va. Airfoil. 2,503,450, Apr. 11.
Nechville, Edwin J., Cedar Rapids, and W. J. Faltis, Fairfax, Iowa. Hayrack. 2,514,785, July 11.
Neck, Ludwig F., Kenmore, N. Y. Drill chuck key holder. 2,529,567, Nov. 14.
Neckel, Edmund N., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Automatically releasable work clamp for shirt presses. 2,517,130, Aug. 1.
Needham, Howard H., Wauwatosa, assignor to A. O. Smith Corporation, Milwaukee, Wis. Welded penstock. 2,502,877, Apr. 4.
Needham, Paul H., Beverly Hills, Calif. Apparatus for grinding drills and the like. 2,520,647, Aug. 29.
Needham, Victor E., Wilford, assignor to The Birmingham Small Arms Company Limited, Small Heath, England. Chain shifting device for cycles. 2,507,416, May 9.
Needles, Henry L., West Hartford, and E. P. O'Toole, Wethersfield, Conn. Garment stretcher. 2,519,276, Aug. 15.
Neef, Alfred, Audubon, N. J. Plate clamping mechanism for printing presses. 2,516,408, July 25.
Neel, Forest J.: *See*—
Mayer, Louis G., and Neel.
Neel, Roy, Colorado City, Tex. Tractor mounted cotton chopper. 2,516,794, July 25.
Neel, Louis, Grenoble, assignor to Societe d'Electro-Chimie, d'Electro-Metallurgie et des Acieries Electriques d'Ugine, Paris, France. Permanent magnets and the obtention of the same. 2,497,268, Feb. 14.
Neeley, George S., Pacific, Mo. Boiler device. 2,499,670, Mar. 7.
Neeley, Sam H., Roda, Va. Car scotch. 2,508,282, May 16.
Neely, De Forest F., Kansas City, Mo. Type shuttle and actuating mechanism therefor. 2,523,538, Sept. 26.
Neely, Don A., Bellevue, Nebr. Linkage mechanism with two lifting phases. 2,501,001, Mar. 21.
Neely, Eskel D., New Albany, Ind. Shower and tub construction. 2,499,966, Mar. 7.
Neely, Eugene M., assignor to William M. Bailey Company, Pittsburgh, Pa. Composite blast furnace tuyère. 2,500,089, Mar. 7.
Neely, Hearne E., Queens Village, N. Y. Pipe coupling. 2,519,847, Aug. 22.
Neely, Peter A., Denver, Colo. Tire loosening lever. 2,500,319, Mar. 14.
Neely, Richard J.: *See*—
Rocchini, Albert G., and Neely.
Neer, Clifford H., Baltimore, Md., assignor to Burt Machine Company, Incorporated. Panel labeling machine. 2,509,517, May 30.
Neer, Louis D.: *See*—
Wasson, Clifford H., and Neer.
Neeson, Charles R., Dayton, Ohio, assignor to Chrysler Corporation, Highland Park, Mich. Compressor unloading mechanism. 2,522,762, Sept. 19.
Neeson, Charles R., Oakwood, Ohio, assignor to Chrysler Corporation, Highland Park, Mich. Gas and liquid separator. 2,510,049, May 30.
Neff, Donald D.: *See*—
Bricker, Carl E., and Neff.
Neff, Edward A., Chicago, Ill. Shock absorbing webbing. 2,526,264, Oct. 17.
Neff, Henry W., assignor to Power Brake Parts Manufacturing Company, Detroit, Mich. Atmospheric pressure pump. 2,510,649, June 6.
Neff, Joseph J., South Euclid, assignor, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Electronic height gauge. 2,509,986, May 30.
Neff, Mortimer A.: *See*—
McLouth, Donald B., Neff and Haboush.
Neff, Mortimer A., Birmingham, assignor to Wirecorder Corporation, Detroit, Mich. Magnetic wire sound recording and reproducing apparatus. 2,500,903, Mar. 14.
Neff, William A.: *See*—
Braun, Charles, Neff, and Lichtensteiger.
Neft, Tillie, Los Angeles, Calif. Holder for slender rods, including an elastic web having a rod-receiving aperture therein. 2,515,566, July 18.
Nefzger, Hans A.: *See*—
Von Hofe, George W., and Nefzger.
Negbaur, Dorothy B., assignee: *See*—
Negbaur, Harry.
Negbaur, H., & Co., assignee: *See*—
Negbaur, Harry.
Negbaur, Harry, assignor to H. and D. B. Negbaur, doing business as H. Negbaur & Co., New York, N. Y. Table lighter. 2,493,081, Jan. 3.
Negovan, Albert, Chicago, Ill., assignor to Baker-Roos, Inc., Indianapolis, Ind. Shore. 2,533,174, Dec. 5.
Negri, Mario, Rome, assignor to Societa A. Gazzoni & Co., Bologna, Italy. Odontalgic device. 2,493,416, Jan. 3.
Negrich, Nick N., Winnipeg, Manitoba, Canada. Locking slide for slide fasteners. 2,519,494, Aug. 22.
Neher, Harry T: *See*—
Glavis, Frank J., and Neher.
Kelley, Everett J., and Neher.
Neher, Harry T., Bristol, W. R. Conn, Melrose Park, and E. H. Kroeker, Cheltenham, assignors to Röhm & Haas Company, Philadelphia, Pa. Zirconyl acrylates. 2,502,411, Apr. 4.
Neher, Harry T., Bristol, W. J. Croxall, Bryn Athyn, and E. H. Kroeker, Cheltenham, assignors to Röhm & Haas Company, Philadelphia, Pa. Acrylic esters of alkoxy-3-butenols and polymers therefrom. 2,504,082, Apr. 11.
Neher, Harry T., Bristol, W. J. Croxall, Bryn Athyn, and E. H. Kroeker, Cheltenham, assignors to Rohm & Haas Company, Philadelphia, Pa. Diallyloxyalkyl maleates. 2,514,786, July 11.
Neher, Harry T., Bristol, E. H. Kroeker, Cheltenham, and W. J. Croxall, Bryn Athyn, assignors to Rohm & Haas Company, Philadelphia, Pa. Alkyl allyloxyalkyl maleates. 2,514,895, July 11.
Neher, Harry T., Bristol, E. H. Kroeker, Cheltenham, and W. J. Croxall, Bryn Athyn, assignors to Rohm & Haas Company, Philadelphia, Pa. Copolymers from allyl succinyl allyl glycolate and acrylic esters. 2,521,303, Sept. 5.
Nehrbas, Howard G., Hammond, Ind., assignor to Combustion Engineering-Superheater, Inc. Combustion safety control system. 2,531,887, Nov. 28.
Nehrke, Charles, New York, N. Y. Electric motor. 2,493,082, Jan. 3.
Neiborn, Joseph, Los Angeles, Calif. Dressing and shade cabinet. 2,504,038, Apr. 11.
Neiborn, Joseph, Los Angeles, Calif. Folding chair and bed structure. 2,512,806, June 27.
Neider, Samuel R., assignee: *See*—
Howe, Alfred J.
Neidhart-Locher, Hermann, Geneva, Switzerland. Spring mounting means for vehicle wheels. 2,518,809, Aug. 15.
Neidig, William J., Napoleon, Ohio. Shaving mechanism. 2,524,822, Oct. 10.
Neighbour, Leonard B., and M. W. Roscoe, assignors to Deere & Company, Moline, Ill. Harvester roll. 2,503,128, Apr. 4.
Neighbour, Leonard B., Moline, and F. A. Thomann, East Moline, assignors to Deere & Company, Moline, Ill. Vehicle body construction for manure spreaders. 2,504,442, Apr. 18.
Neighbour, Leonard B., Moline, and H. E. Korum, East Moline, assignors to Deere & Company, Moline, Ill. Frame-supported hopper. 2,506,808, May 9.
Neighbour, Leonard B., and M. W. Roscoe, assignors to Deere & Company, Moline, Ill. Gathering or stripping means for harvesters. 2,508,966, May 23.
Neighbour, Wilbur S., assignor to American Saw Mill Machinery Company, Hackettstown, N. J. Supporting guide for machine tool elements. 2,525,712, Oct. 10.
Neil, Ewell, Nashville, Tenn. Articulator. 2,521,599, Sept. 5.
Neil, Hugh G., Knoxville, Tenn., assignor, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission. Radiation detector. 2,514,135, July 4.
Neild, William G., Warren Point, assignor to Bendix Aviation Corporation, Teterboro, N. J. Temperature compensated regulator. 2,496,742, Feb. 7.
Neild, William G., Warren Point, assignor to Bendix Aviation Corporation, Teterboro, N. J. Electric regulator. 2,496,743, Feb. 7.
Neild, William G., Warren Point, assignor to Bendix Aviation Corporation, Teterboro, N. J. Electric regulator. 2,506,234, May 2.
Neild, William G., Warren Point, assignor to Bendix Aviation Corporation, Teterboro, N. J. Carbon pile regulator. 2,533,038, Dec. 5.
Neilsen, Hildaur L., Metuchen, assignor to The Bates Manufacturing Company, West Orange, N. J. List finder. 2,513,422, July 4.
Neilsen, Peter C., Chicago, Ill. Razor motor casing. 2,496,744, Feb. 7.

Neilsen, Peter C., Chicago, Ill. Rasp unit. 2,535,088, Dec. 26.
Neilson, Christopher B. V., Eagle Brow, Lym, and R. G. Hoare, assignors to Electro-Hydraulics Limited, Warrington, England. Torque equalizing means for aircraft landing gear brakes. 2,533,607, Dec. 12.
Neilson, Phineas J., Chelmsford, England, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Keying circuit employing thermionic valves. 2,499,604, Mar. 7.
Neilson, Phineas J., Chelmsford, England, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Electromechanical resonator. 2,504,719, Apr. 18.
Neilson, Roger, New York, N. Y. Apertured and stepped game board. 2,500,644, Mar. 14.
Neilson, Roger L., New York, N. Y. Folding peg target. 2,504,570, Apr. 18.
Neinken, Maurice, Hilltown, Pa. Trousers. 2,498,175, Feb. 21.
Neinken, Maurice, Perkasie, Pa. Pocket construction in trousers. 2,498,048, Feb. 21.
Neipert, Marshall P.: *See*— Hunter, Ralph M., Blue, and Neipert.
Neisewander, Ray H., assignee: *See*— Veigel, Clarence J.
Neisler, Charles E., Jr., Kings Mountain, N. C. Direct spinning machine and method. 2,497,511, Feb. 14.
Neiss, Howard V., assignor to Armstrong Cork Company, Lancaster, Pa. Scribing tool. 2,509,876, May 30.
Neisser, Philip B.: *See*— Shook, Clarence R., and Neisser.
Neiswander, Wilbur G., Lima, Ohio; now by change of name W. G. Neuenschwander. Baby bib. 2,532,932, Dec. 5.
Neithammer, John H.: *See*— Savin, James W., and Neithammer.
Neklutin, Vadim C.: *See*— Messer, William E., Neklutin, and Reynolds.
Nekola, William J.: *See*— Wehmiller, Frederick W., Nekola and Spelbrink.
Nelis, Frank A., assignee: *See*— Comer, Curtis G.
Nellen, Arthur H., Merion Park, assignor to Lee Rubber & Tire Corporation, Conshohocken, Pa. Vehicle tire. 2,505,137, Apr. 25.
Nellis, Chancey D., Aberdeen, S. Dak. Wheel changing tool. 2,504,345, Apr. 18.
Nelly, Henry M., Jr.: *See*— Martin, Henry A., Young, and Nelly.
Nelly, Henry M., Jr., assignor to Refinery Maintenance Co., Inc., Compton, Calif. Deethanizing rich oil. 2,498,177, Feb. 21.
Nelsen, Anton M., North Platte, Nebr. Safety support for brake beams. 2,496,015, Jan. 31.
Nelsen, Magnus O., Los Angeles, Calif. Clothespin. 2,532,674, Dec. 5.
Nelsen, Marvin G., Skokie, and R. S. Acker, assignors to Guardian Electric Manufacturing Co., Chicago, Ill. Motor control relay and circuit. 2,512,070, June 20.
Nelsen, Marvin G., Skokie, and T. J. Obszarny, assignors to Guardian Electric Manufacturing Co., Chicago, Ill. Selective value actuated accumulator and control. 2,518,810, Aug. 15.
Nelson, Albert H., Jr., Wichita, Kans. Child's seat. 2,530,900, Nov. 21.
Nelson, Albert U. and C. E., Portland, Oreg. Portable combination cash and ticket box. 2,508,283, May 16.
Nelson, Alvin J., Oshkosh, Wis. Scaffold supporting bracket. 2,496,556, Feb. 7.
Nelson, Arthur Wm., assignee: *See*— Protzeller, Harry W.
Nelson, Averd, assignor to Prentiss Wabers Products Co., Wisconsin Rapids, Wis. Wick-type fuel burner. 2,518,050, Aug. 8.
Nelson, Ben S., Oak Park, Ill. Window safety belt support. 2,523,048, Sept. 19.
Nelson, Bradford B., Aurora, Ill., and J. H. Nelson, Ladoga, Ind., said J. H. Nelson, assignor to said B. B. Nelson. Coal screw conveyer. 2,499,929, Mar. 7.
Nelson, Bradford B. and J. H., Ladoga, Ind., said J. H. Nelson assignor to said B. B. Nelson. Coal conveyer. 2,503,917, Apr. 11.
Nelson, Carl, Eau Claire, assignor, by mesne assignments, to Speed-Meal Corporation, Racine, Wis. Pressure cooker. 2,513,350, July 4.
Nelson, Carl F., Mill Valley, and V. A. Nelson, Oakland, Calif. Commodity extruding collapsible tube support. 2,509,518, May 30.
Nelson, Carl R., Kansas City, Mo. Garden cultivator. 2,518,051, Aug. 8.
Nelson, Charles E.: *See*— Nelson, Albert U. and C. E.
Nelson, Charles E., Jenkintown, Pa., assignor to McGraw Electric Company. Aerial cable cutout housing. 2,526,392, Oct. 17.
Nelson, Clarence E., Chicago, Ill. Vehicle operator's leg support. 2,522,887, Sept. 19.
Nelson, Dale H., Southampton, assignor to The Western Union Telegraph Company, New York, N. Y. Integrator and torque amplifier therefor. 2,525,147, Oct. 10.
Nelson, Dudley W., Milwaukie, Oreg. Fishing lure. 2,507,454, May 9.
Nelson, Edgar A., New York, assignor to American Safety Razor Corporation, Brooklyn, N. Y. Blade dispensing container. 2,514,161, July 4.
Nelson, Elsie K., assignee: *See*— Browning, John W., and Adams.
Nelson, Erdick H., Walworth, Wis., assignor to Furnel, Incorporate, Chicago, Ill. Camera carrying case. 2,535,152, Dec. 26.
Nelson, Ernest B., Modesto, Calif. Garbage can support. 2,508,683, May 23.
Nelson, Frank A., J. W. Berry, W. F. Robinson and L. B. Orendorff, Kansas City, Mo. Refrigerated photographic finishing equipment. 2,504,217, Apr. 18.
Nelson, Frederick M., Los Angeles, Calif. Auxiliary tray for infants' high chairs. 2,526,576, Oct. 17.
Nelson, George W., Cleveland, Ohio, assignor to Lewis Invisible Stitch Machine Company, St. Louis, Mo. Button sewing machine. 2,511,367, June 13.
Nelson, Gustav A., Mobile, and L. C. Chappelle, Prichard, Ala. Shaft puller. 2,521,991, Sept. 12.
Nelson, Harold W.: *See*— Swallen, Lloyd C., and Nelson.
Nelson, Harry, assignor to Lorentzen Hardware Mf'g. Corp., New York, N. Y. Venetian blind head-bar supporting bracket. 2,518,923, Aug. 15.
Nelson, Harry, assignor to Lorentzen Hardware Mf'g. Corp., New York, N. Y. Venetian blind installation bracket. 2,524,711, Oct. 3.
Nelson, Harry, assignor to Lorentzen Hardware Mf'g. Corp., New York, N. Y. Cord lock fitting. 2,524,988, Oct. 10.
Nelson, Harry, assignor to Lorentzen Hardware Mf'g. Corp., New York, N. Y. Venetian blind bracket. 2,526,393, Oct. 17.
Nelson, Harry A.: *See*— McClenahan, William S., and Nelson.
Nelson, Harry H., assignor to Lorentzen Hardware Mfg. Corp., New York, N. Y. Cord lock for blinds. 2,507,610, May 16.
Nelson, Henry P., assignor to The Non-Skid Surfacing Corporation, Yonkers, N. Y. Board for flooring and the like. 2,497,837, Feb. 14.
Nelson, Herbert, Bloomfield, N. J., assignor to Radio Corporation of America. Leak detector for evacuated systems. 2,526,038, Oct. 17.
Nelson, Herman, Corporation, The, assignee: *See*— Hubbard, Arthur F.
Nelson, Horace A., Mission, Kans. Flush handle door latch. 2,497,624, Feb. 14.
Nelson Inclined Furnace Company, assignee: *See*— Nelson, Victor J.
Nelson, Ivar, and L. W. Wallace, Los Angeles, Calif. Automaton. 2,528,968, Nov. 7.
Nelson, Ives W., East Baton Rouge, La. Flywheel turning lever. 2,535,447, Dec. 26.
Nelson, James A., and F. J. Port, Jr., assignors to Cribben and Sexton Company, Chicago, Ill. Ventilated range. 2,525,614, Oct. 10.
Nelson, James E., S. Bosworth, and W. Percy, Toronto, and F. Balne, Bronte, and A. Holman, Toronto, Ontario, Canada, assignors to General Electric Company. Lamp sealing machine head. 2,525,043, Oct. 10.
Nelson, James H.: *See*— Nelson, Bradford B., and J. H.
Nelson, John: *See*— Rehnberg, Axel F., and Nelson.
Nelson, John G.: *See*— Mearns, Herbert A., and Nelson.
Nelson, Joseph F.: *See*— Beach, Leland K., Nelson, and Stewart.
Nelson, Karl J., Cranford, N. J., assignor to Standard Oil Development Company. Fluidized low-temperature carbonization of coal. 2,534,051, Dec. 12.
Nelson, Karl J., Cranford, and H. Z. Martin, Roselle, N. J., assignors to Standard Oil Development Company. Carbonization of coal in a fluidized bed. 2,534,728, Dec. 19.
Nelson, LeRoy A.: *See*— Lindsay, Lynn G., and Nelson.
Nelson, Lewen R., Peoria, Ill. Mechanism for securing hose to hose fittings. 2,523,628, Sept. 26.
Nelson, Marcus L.: *See*— Stempel, Edward H., and Nelson.
Nelson, Martin L., Park Ridge, assignor to Production Instrument Company, Chicago, Ill. Control apparatus and switch therefor. 2,493,464, Jan. 3.
Nelson, Martin L., Park Ridge, assignor to Production Instrument Company, Chicago, Ill. Zero-reset device for numerical counters. 2,514,788, July 11.
Nelson, Mildred P., assignee: *See*— Polsen, Samuel D., and Nelson.
Nelson Muffler Corporation, assignee: *See*— Bryant, Edwin E.
Nelson, Norman A., Brooklyn, assignor to Norman Nelson Corp., New York, N. Y. Camera flash synchronizer having inertia switch. 2,513,665, July 4.
Nelson, Norman A., Brooklyn, assignor to Norman Nelson Corp., New York, N. Y. Camera flash synchronizer having inertia switch. 2,513,666, July 4.
Nelson, Norman, Corp., assignee: *See*— Nelson, Norman A.
Nelson, Norman H., assignee: *See*— Polsen, Samuel D., and Nelson.
Nelson, Oscar G., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Extrusion apparatus. 2,530,262, Nov. 14.

Nelson, Oscar G., and P. R. Powell, Baltimore, Md., assignors to Western Electric Company, Incorporated, New York, N. Y. Distributor mechanism. 2,513,815, July 4.

Nelson, Paul D., Turlock, Calif. Concrete stave making machine. 2,496,016, Jan. 31.

Nelson, Peter, Greenville, Mich. Safety-type ball stud retainer. 2,523,321, Sept. 26.

Nelson, Peter N., Chicago, Ill. Cheese cutter. 2,533,682, Dec. 12.

Nelson, Richard B.: *See*—
Fiske, Milan D., and Nelson.

Nelson, Richard B., Schenectady, N. Y., assignor to General Electric Company. High-frequency electrical apparatus. 2,496,887, Feb. 7.

Nelson, Richard B., Schenectady, N. Y., assignor to General Electric Company. Water-cooled multicircuit magnetron. 2,523,049, Sept. 19.

Nelson, Robert W., and H. L. McAtee, Minneapolis, Minn. Perforate ironing table top. 2,498,176, Feb. 21.

Nelson, Rolland D., Hales Corners, Wis., assignor to McGraw Electric Company. Expulsion gap. 2,503,965, Apr. 11.

Nelson, Rolland D., Hales Corners, Wis., assignor to McGraw Electric Company. Protective means for electrical instrumentalities. 2,509,935, May 30.

Nelson, Rolland D., Hales Corners, Wis., assignor to McGraw Electric Company. Thermally responsive indicator. 2,532,510, Dec. 5.

Nelson, Roy F.: *See*—
Anne, Charles T., and Nelson.

Nelson, S. T., assignee: *See*—
Browning, John W., and Adams.

Nelson, Seddon C., Wilmington, Del. Adjustable athletic supporter. 2,524,327, Oct. 3.

Nelson, Sven H., assignee: *See*—
Polsen, Samuel D., and Nelson.

Nelson, Verner A.: *See*—
Nelson, Carl F. and V. A.

Nelson, Victor J., Burbank, assignor, to Nelson Inclined Furnace Company, Glendale, Calif. Furnace. 2,514,666, July 11.

Nelson, Walter O., East Grand Forks, Minn. Razing tool. 2,520,427, Aug. 29.

Nelson, Wilbur L., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Valve seat forming apparatus. 2,503,404, Apr. 11.

Nelson, William, assignor to James Howden & Company Limited, Glasgow, Scotland. Operating mechanism for moving a rod or other member axially. 2,533,392, Dec. 12.

Nelson, William, assignor to James Howden & Company Limited, Glasgow, Scotland. Mechanism for moving a rod or other member in a straight line. 2,533,393, Dec. 12.

Nelson, William, U. S. Navy. Airplane launching device. 2,493,013, Jan. 3.

Nelson, William, U. S. Navy. Liquid turbine airplane catapult. 2,493,014, Jan. 3.

Nelson, William L., Ferguson, Mo., assignor to United States Gypsum Company, Chicago, Ill. Apparatus for texturing asbestos-cement sheets. 2,529,175, Nov. 7.

Němec, František, Prague, Czechoslovakia. Folding baby carriage. 2,511,990, June 20.

Nemecsek, Louis J.: *See*—
Kiekhoefel, Fred G., and Nemecsek.

Nemet, Anthony, London, England, assignor to The Hartford National Bank & Trust Company, Hartford, Conn., as trustee. X-ray apparatus. 2,493,161, Jan. 3.

Nemet, Anthony, assignor to Philips Lamps Limited, London, England. X-ray control apparatus. 2,502,269, Mar. 28.

Nemet, Anthony, London, England, assignor to The Hartford National Bank & Trust Company, Hartford, Conn., as trustee. Radiographic apparatus. 2,513,248, June 27.

Nemeth, Edward: *See*—
Ketay, Morris F., and Nemeth.

Nemeth, Otto R., Chicago, Ill. Wire recorder turret. 2,495,125, Jan. 17.

Nemetz, Gustav, Vienna, Germany, vested in the Attorney General of the United States. Pressure lubricating system. 2,516,244, July 25.

Nemoede, Paul A.: *See*—
Acker, Ralph E., and Nemoede.

Nenninger, Lester F., and F. A. Hassman, assignors to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Milling machine transmission and control. 2,504,443, Apr. 18.

Neon Products, Inc., assignee: *See*—
Howenstine, James A.

Nepera Chemical Co., Inc., assignee: *See*—
Friedman, Harris L., and Braitberg.

Neptune Meter Company, assignee: *See*—
Hazard, Charles S.
Mayer, Erwin and Coles.

Neracher, Carl A., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Transmission control. 2,528,772, Nov. 7.

Neracher, Otto: *See*—
Martin, Henry, Gysin, Neracher, and Hirt.

Nergaard, Leon S., Princeton, N. J., assignor to Radio Corporation of America. Electron discharge device utilizing cavity resonators. 2,501,534, Mar. 21.

Nergaard, Leon S., Princeton, N. J., assignor to Radio Corporation of America. Electron discharge device and associated cavity resonator circuits. 2,506,733, May 9.

Nergaard, Leon S., Princeton, N. J., assignor to Radio Corporation of America. Electron discharge device and associated cavity resonator. 2,520,220, Aug. 29.

Nergaard, Leon S., Princeton, N. J., assignor to Radio Corporation of America. Electron discharge device and associated cavity resonator circuit. 2,522,836, Sept. 19.

Nerney, Francis X.: *See*—
Greenspan, Frank P., and Nerney.

Nerrie, Ralph A., Fayson Lake, Butler, N. J. Educational link. 2,496,810, Feb. 7.

Nesbit, Arthur F., Wilkinsburg, Pa. Gas cleaner. 2,502,474, Apr. 4.

Nesbit, William H.: *See*—
Beymer, Oliver H., and Nesbit.

Nesbitt, Ethan A., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Magnetic alloys. 2,514,667, July 11.

Nesbitt, Ethan A., and H. J. Williams, Chatham, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Magnetostrictive device and alloy and producing them. 2,519,277, Aug. 15.

Nesbitt, Ethan A., and H. J. Williams, Chatham, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Magnetostrictive core and making it. 2,519,495, Aug. 22.

Nesel, Joseph, Brooklyn, N. Y. Rotating double picture frame. 2,515,053, July 11.

Ness, Harold J., Montclair, assignor to Metallurgical Processes Co., Newark, N. J. Work handling mechanism for furnaces. 2,521,183, Sept. 5.

Ness, Peter G., East Cleveland, Ohio. Window opening device. 2,498,816, Feb. 28.

Nesset, Naurice M., assignor to Baxter Laboratories, Inc., Glenview, Ill. Dispensing of liquids. 2,500,199, Mar. 14.

Nesson, Israel, Lynn, assignor to M. Zaiger, Swampscott, Mass. Connector for wiper blades. 2,513,510, July 4.

Nesson, Israel, Lynn, assignor to M. Zaiger, Swampscott, Mass. Blade terminal for windshield wiper arms. 2,528,283, Oct. 31.

Nest, Richard E., Baltimore, Md., assignor to The General Oil Burner Corporation. Gun type oil burner. 2,502,664, Apr. 4.

Nestle, Alfred C., Long Beach, Calif., assignor to Texaco Development Corporation, New York, N. Y. Erosion-abrasion cleaning device. 2,517,017, Aug. 1.

Nestle-LeMur Company, The, assignee: *See*—
Seiter, Otto.

Nesty, Glenn A.: *See*—
Wiley, Paul F., and Nesty.

Nettel, Frederick, Manhasset, N. Y. Supercharged internal-combustion engine with starting means and starting the same. 2,503,289, Apr. 11.

Neubeck, Clifford E.: *See*—
Smythe, Carl V., Drake, and Neubeck.

Neuber, Herbert K., assignee: *See*—
Weathers, Paul.

Neuberg, Carl: *See*—
Meyer, Fritz, and Neuberg.

Neuberg, Carl, and I. Mandl, assignors to Interchemical Corporation, New York, N. Y. Separating enantiomers of racemic amino acids. 2,511,867, June 20.

Neuda, Paul M., assignor to The Robinson Foundation, Inc., New York, N. Y. Testing blood. 2,528,704, Nov. 7.

Neudeck, Gene T.: *See*—
Martin, Thomas B., Berninger, Haines, May, Theobald, Taylor, and Neudeck.

Neuenschwander, Wilbur G.: *See*—
Neiswander, Wilbur G.

Neufeld, Jacob, Oak Ridge, Tenn. Radiation measurement and instrument testing. 2,516,334, July 25.

Neufeld, Jacob, Tulsa, Okla. Indexing and speed control system for magnetic reproducers. 2,496,103, Jan. 31.

Neufeld, Jacob, Tulsa, Okla. Magnetic sound recording and reproducing. 2,520,050, Aug. 22.

Neugass, Edwin A., assignee: *See*—
Shlenker, Charles N.

Neugass, Edwin A., Port Chester, N. Y. Support for shaving brushes and other articles. 2,523,539, Sept. 26.

Neuhaus, Frederick, St. Louis, Mo. Portable structure. 2,533,683, Dec. 12.

Neuman, Norman, Montreal, Quebec, Canada. Electric light fixtures for tubular fluorescent lamps. 2,530,582, Nov. 21.

Neuman, Oscar A.: *See*—
Hunt, Edwin L., and Neuman.

Neumann-Endler, Inc., assignee: *See*—
Hoffman, Manfred T.

Neumann, George R., St. Clair Shores, E. F. Farrell, Grosse Pointe Woods, and E. J. Ellinger, Ferndale, Mich., assignors to Borg-Warner Corporation, Chicago, Ill. Pot type liquid fuel burner for unit heaters. 2,498,817, Feb. 28.

Neumann, Karl L.: *See*—
Martin, Herschel B., and Neumann.

Neumann, Salomon, London, England. Starch degradation process. 2,494,191, Jan. 10.
Neuner, Martin J., Fairview, assignor to Bendix Aviation Corporation, Teterboro, N. J. Carbon pile regulator. 2,509,106, May 23.
Neunherz, Herbert W., Gardner, Mass. Drop side latching means for cribs. 2,514,668, July 11.
Neuroth, John: *See*—
Gayring, Wallace F., and Neuroth.
Neuschwander, Eugene H., Glendale, Calif. Binder. 2,523,922, Sept. 26.
Neustadter, Arnold, assignee: *See*—
Merkur, Martin.
Neutelings, Theodoor R. and W., assignors to Industrie-en Handelmaatschappij "De Vuurslag" C. V., Bergen op Zoom, Netherlands. Baking oven. 2,535,650, Dec. 26.
Neutelings, Willem: *See*—
Neutelings, Theodoor R. and W.
Neuwirth, Herman, Brooklyn, N. Y. Tripod leg. 2,508,039, May 16.
Neuworth, Martin B., Woodbury, N. J., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Chlorinated hydrocarbon. 2,519,691, Aug. 22.
Nevada Leasehold Corporation, assignee: *See*—
Hall, Jesse E.
Neville Company, The, assignee: *See*—
Geiger, Lyle M.
Nevin, Robert P.: *See*—
Cunningham, James J., Larime, and Nevin.
Nevin, Robert S., Sr., and C. M. Fields, Baltimore, assignors to The Glenn L. Martin Company, Middle River, Md. Variable force vibrator. 2,516,335, July 25.
Nevins, Samuel L., Little Rock, Ark., and J. S. Gilliam, Jr., Shreveport, La., assignors, by mesne assignments, to Mathieson Chemical Corporation, New York, N. Y. Recovery of elemental sulfur from acidic gases. 2,497,095, Feb. 14.
Nevins, Samuel L., Little Rock, Ark., and J. S. Gilliam, Jr., Shreveport, La., assignors, by mesne assignments, to Mathieson Chemical Corporation, New York, N. Y. Reaction furnace and recovery units. 2,534,792, Dec. 19.
New Dictatype Company, Incorporated, assignee: *See*—
Von Duyke, Harrison M.
New, Fred M., New York, N. Y. Indicating target for simulated projectors. 2,527,326, Oct. 24.
New, Harry E., Chester, Pa., assignor to American Viscose Corporation, Wilmington, Del. Staple fiber cutter. 2,532,458, Dec. 5.
Newark Rivet Works, assignee: *See*—
Heilmann, William A.
Newark Stove Company, assignee: *See*—
Chesser, Cecil E., and Cline.
Cline, Truman H.
Newberg, Raymond G.: *See*—
Howlett, Richard M., and Newberg.
Newbern, Thomas H., Jenkintown, Pa. Rest for left foot of automobile driver. 2,507,807, May 16.
New Britain Machine Company, The, assignee: *See*—
Myers, Freeman R.
Retz, William B.
Stephan, Hallis N.
Newburg, Forrest C.: *See*—
Kenney, William H., and Newburg.
Newburgh Metal Mfg. Corp., assignee: *See*—
Magaldino, Andrew J., and Figge.
Newbury, Edward, Lexington, Ky. Educational and display device. 2,519,922, Aug. 22.
Newby, Neal D., Leonia, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Amplifier compensated for cathode emission changes. 2,511,122, June 13.
Newby, William G., Sr., Hertford, N. C. Coin-wrapping device and means. 2,515,312, July 18.
New Castle Products Inc., assignee: *See*—
Brenner, Ray A., Lenox, Shearer, Van Buskirk, and Watkins.
Newcomb, Philip P.: *See*—
Highberg, Axel L., Newcomb, and Soderberg.
Newcomb, Philip P., Manchester, assignor to United Aircraft Corporation, East Hartford, Conn. Aircraft gas turbine power plant. 2,501,078, Mar. 21.
Newcomb, Richard L., and C. J. Harrah, Denver, Colo. Pulverizing mill of the rolling mortar type. 2,533,684, Dec. 12.
Newcombe, Clare K., Fleet, assignor to Heat Pumps Limited, London, England. Elastic fluid compressor of the jet type. 2,502,270, Mar. 28.
Newcombe, Clare K., Fleet, assignor to Heat Pumps, Limited, London, England. Combustion products operated turbine. 2,502,878, Apr. 4.
Newcombe, Frank A.: *See*—
Whitmore, James B., Newcombe, and Makenny.
Newcomer, Jack S.: *See*—
McBee, Earl T., and Newcomer.
Newcomer, Keepers M., Pittsburgh, Pa. Liquid mixing valve. 2,521,646, Sept. 5.
Newell, Arthur, Minneapolis, Minn. Latch and lock. 2,535,947, Dec. 26.
Newell, Cameron B., St. Paul, and E. R. Vincent, Minneapolis, Minn. Grinder for material in suspension. 2,496,017, Jan. 31.
Newell, Edward T., Portland, Oreg. Latch for tail gates. 2,505,425, Apr. 25.
Newell, George K., near Pitcairn, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Friction braking element for disk brakes. 2,498,501, Feb. 21.
Newell, George K., near Pitcairn, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Valve device. 2,508,185, May 16.
Newell, George K., near Pitcairn, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Winding mechanism. 2,508,186, May 16.
Newell, George K., near Pitcairn, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Apparatus for controlling slip of vehicle wheels. 2,512,035, June 20.
Newell, Harold D., Beaver Falls, assignor to The Babcock & Wilcox Tube Company, West Mayfield, Pa. Nickel steel alloys. 2,532,117, Nov. 28.
Newell, Heber L., Fishkill, N. Y., assignor to General Electric Company. Ironing machine. 2,495,641, Jan. 24.
Newell, Heber L., Fishkill, N. Y., assignor to General Electric Company. Electric blanket control with variable compensator. 2,524,535, Oct. 3.
Newell, Isaac L.: *See*—
Dissel, Theordore A., and Newell.
Newell, Isaac L., Wethersfield, Conn., assignor to Heatbath Corporation, Indian Orchard, Mass. Rectifying halide salt baths. 2,495,471, Jan. 24.
Newell, Isaac L., Wethersfield, Conn., assignor to Heatbath Corporation, Indian Orchard, Mass. Composition for rectifying halide salt baths. 2,510,650, June 6.
Newell, James K., Jr., Swampscott, Mass., assignor to General Electric Company. Binding wire clip. 2,529,176, Nov. 7.
Newell, Marvin H., Stockton, Calif. Medicator for cows' teats. 2,523,478, Sept. 26.
Newell, Robert E., Irwin, Pa. Gas safety burner. 2,499,073, Feb. 28.
Newell, Robert E., Irwin, Pa. Automatic safety control for gas burners. 2,499,253, Feb. 28.
Newell, Thomas A.: *See*—
Kludjian, Avedis H., Parrack, Newell, and Baumgardner.
Newell, William H., New York, N. Y., assignor to The Sperry Corporation. Follow-up type pressure fluid servomotor. 2,513,888, July 4.
Newell, William H., New York, assignor to The Sperry Corporation, Long Island City, N. Y. Mechanical computer. 2,528,284, Oct. 31.
Newell, William H., New York, N. Y., assignor to The Sperry Corporation. Hydraulic follow-up system. 2,533,306, Dec. 12.
Newell, William H., New York, and H. F. McKenney, Flushing, N. Y., assignors to The Sperry Corporation. Electrical system. 2,497,011, Feb. 7.
New England Carbide Tool Company, Inc., assignee: *See*—
Chapin, Bernard L., Davis and Cabot.
New England Confectionery Company, assignee: *See*—
MacDonald, Stuart P., and Thompson.
New England Spectrochemical Laboratories, assignee: *See*—
Norman, Daniel P.
New England Stamping Works, Inc., assignee: *See*—
Goldstein, David M.
New England Trawler Equipment Co., assignee: *See*—
Symonds, Ralph F.
Newey, Herbert A.: *See*—
Wiles, Quentin T., and Newey.
Newhall, Joseph F. P., St. Petersburg, Fla., and W. A. Bridgeman, assignors to S. C. Johnson & Son, Inc., Racine, Wis. Apparatus for removing water by capillary action from moist perishables. 2,534,205, Dec. 12.
Newhouse, Daniel, New York, N. Y. Shoe form. 2,521,246, Sept. 5.
Newhouse, Russell C.: *See*—
Corbin, Joseph E., and Newhouse.
Newhouse, Russell C., Millburn, and F. W. Reynolds, Ridgewood, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Observer-controlled television system. 2,516,069, July 18.
New Jersey Machine Corporation, assignee: *See*—
Von Hofe, George W.
Von Hofe, George W., Lakso, and Chandler.
Von Hofe, George W., and Nefzger.
New Jersey Zinc Company, The, assignee: *See*—
Griffith, Frank S.
Handwerk, Edwin C., and Mahler.
Mahler, George T., and Handwerk.
Trewin, Charles S., and Gerhard.
Wilson, Thomas C.
Newkirk, Clarence E., Lynnwood, Calif. Hitch. 2,532,637, Dec. 5.
Newland, Chester G., Kansas City, Kans. Automobile rack. 2,520,051, Aug. 22.
Newlands, Welles H., assignee: *See*—
Crowley, Millard E.
Newlin, John S., Paoli, assignor to Merchant & Evans Company, Philadelphia, Pa. Finned tube winding machine. 2,532,239, Nov. 28.
Newman, Allen F., and N. J. Luttermoser, Detroit, Mich. Footrest for stepladders. 2,528,317, Oct. 31.

Newman, Arnold C., and J. W. Woodward, Stratford, assignors to United Aircraft Corporation, East Hartford, Conn. Restrictor swivel for folding wing aircraft. 2,508,647, May 23.

Newman, Alexander, Los Angeles, Calif. Hair drying apparatus. 2,496,597, Feb. 7.

Newman, Betty O., Schenectady, now by judicial change of name, B. Oberdorfer, assignor to National Gypsum Company, Buffalo, N. Y. Coating composition. 2,501,827, Mar. 28.

Newman, Betty O., Schenectady, assignor to National Gypsum Company, Buffalo, N. Y. Water paste paints. 2,511,782, June 13.

Newman, Bruce K., St. Louis, Mo. Attachment for converters. 2,499,407, Mar. 7.

Newman, Charles: *See*—
Fluro, John R., Stephens, Bartels, and Newman.

Newman, Douglas A., Port Washington, assignor to Columbia Ribbon and Carbon Manufacturing Company, Inc., Glen Cove, N. Y. Bonding planographic ink. 2,503,679, Apr. 11.

Newman, Douglas A., Port Washington, assignor to Columbia Ribbon and Carbon Manufacturing Company, Inc., Glen Cove, N. Y. Manifolding sheet material. 2,503,680, Apr. 11.

Newman, Douglas A., Port Washington, assignor to Columbia Ribbon and Carbon Manufacturing Company, Inc., Glen Cove, N. Y. Transfer ribbon manufacture. 2,503,681, Apr. 11.

Newman, Douglas A., Port Washington, assignor to Columbia Ribbon and Carbon Manufacturing Company, Inc., Glen Cove, N. Y. Transfer medium. 2,508,725, May 23.

Newman, Douglas A., Port Washington, assignor to Columbia Ribbon and Carbon Manufacturing Company, Inc., Glen Cove, N. Y. Planographic printing sheet. 2,511,783, June 13.

Newman, Douglas A., Port Washington, assignor to Columbia Ribbon and Carbon Manufacturing Company, Inc., Glen Cove, N. Y. Transfer ink. 2,519,321, Aug. 15.

Newman, Edward A.: *See*—
White, Eric L. C., and Newman.

Newman, Edward A., Ealing, London, England, assignor to Electric and Musical Industries, Limited. Electric impulse generator. 2,494,353, Jan. 10.

Newman, Edward A., Ealing, London, assignor to Electric & Musical Industries Limited, Hayes, England. Nonlinear amplifier for gamma control. 2,509,987, May 30.

Newman, Ferris E., St. Clair Shores, Mich. Changeable sign. 2,520,648, Aug. 29.

Newman, Herbert A., assignor to The George W. Borg Corporation, Delavan, Wis. X-ray apparatus. 2,529,043, Nov. 7.

Newman, Isidor, New York, N. Y. Device for removing sealing closures. 2,496,672, Feb. 7.

Newman, John M., and E. W. Seeger, Wauwatosa, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Dynamic braking control. 2,526,893, Oct. 24.

Newman, Louis L., Washington, D. C., and J. T. Donovan, Louisiana, Mo., assignors to The United States of America as represented by the Secretary of the Interior. Apparatus and method for gasifying carbonaceous material. 2,516,141, July 25.

Newman, Max. M., New York, N. Y. Collar shaping means. 2,503,966, Apr. 11.

Newman, Max. M., New York, N. Y. Hairpin. 2,529,224, Nov. 7.

Newman, Melvin S., Columbus, Ohio, and B. J. Magerlein, Kalamazoo, Mich., assignors to the United States of America as represented by the Secretary of the Army. Insect repellents. 2,535,089, Dec. 26.

Newman, Morris, St. Paul, Minn. High-voltage method and system. 2,535,651, Dec. 26.

Newman, Paul A., Philadelphia, Pa. Antiskid device. 2,493,994, Jan. 10.

Newman, Robert J., Enfield, and D. S. Friend, London, assignors of one-third to E. A. Baker, Woodford, Essex, England. Labeling machine. 2,513,511, July 4.

Newman, Victor M., New York, N. Y. Needle driving apparatus for sewing machines. 2,522,582, Sept. 19.

Newman, Victor M., New York, N. Y. Tie knot former. 2,529,957, Nov. 14.

Newman, Waldo E., Toledo, Ohio. Pneumatic valve. 2,533,608, Dec. 12.

Newmark, Jack, Los Angeles, Calif. Hair waving device. 2,530,662, Nov. 21.

Newport Steel Corporation, assignee: *See*—
Higham, William W.

New Products Corporation, assignee: *See*—
Banker, Oscar H.

Newsom, Earl G., Dayton, Ohio. Time interval measuring device. 2,511,868, June 20.

New Standard Corporation, assignee: *See*—
Zifferer, Morton F.

Newstedt, Harry N., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Selector switch for automatic telephone systems. 2,529,409, Nov. 7.

Newstedt, Harry N., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. System for controlling coin receptacles of pay station telephones. 2,529,410, Nov. 7.

Newton, Alwin B., Dayton, Ohio, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Air year conditioning apparatus. 2,495,861, Jan. 31.

Newton, Alwin B., Dayton, Ohio, assignor to Chrysler Corporation, Highland Park, Mich. Reverse cycle refrigerating system. 2,498,861, Feb. 28.

Newton, Alwin B., Dayton, Ohio, assignor to Chrysler Corporation, Highland Park, Mich. Air controlling grille. 2,533,175, Dec. 5.

Newton, Alwin B., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Temperature controller. 2,505,255, Apr. 25.

Newton, Alwin B., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control of refrigeration. 2,521,247, Sept. 5.

Newton, Alwin B., Oakwood, Ohio, assignor to Chrysler Corporation, Highland Park, Mich. Stoker alarm and control. 2,493,591, Jan. 3.

Newton, Alwin B., Oakwood, Ohio, assignor to Chrysler Corporation, Highland Park, Mich. Compressor unloading apparatus. 2,510,050, May 30.

Newton, Amos S., Ames, Iowa, assignor to the United States of America as represented by the United States Atomic Energy Commission. Purifying inert gases. 2,521,937, Sept. 12.

Newton, Amos S., Ames, Iowa, assignor to the United States of America as represented by the United States Atomic Energy Commission. Purification of hydrogen. 2,533,138, Dec. 5.

Newton, Amos S., and O. Johnson, Ames, Iowa, assignors to the United States of America as represented by the United States Atomic Energy Commission. Preparation of compounds of uranium and nonmetals. 2,534,676, Dec. 19.

Newton, Amos S., and O. Johnson, Ames, Iowa, assignors to the United States of America as represented by the United States Atomic Energy Commission. Production of uranium halides. 2,534,677, Dec. 19.

Newton Brothers (Derby), Limited, assignee: *See*—
Newton, Frederick.

Newton, Charles W., Kansas City, Mo. Chalk holder for attachment to measuring sticks. 2,496,811, Feb. 7.

Newton, Chauncey G., Rochester, N. Y., assignor to Niles-Bement-Pond Company, West Hartford, Conn. Gauge for small screw threads. 2,515,418, July 18.

Newton, Frederick, Sudbury, assignor to Newton Brothers (Derby) Limited, Alfreton Road, Derby, England. Electric regulator. 2,528,164, Oct. 31.

Newton, George C., Jr., Hempstead, N. Y., assignor to The Sperry Corporation. Gyro antitumbling device. 2,493,015, Jan. 3.

Newton, George C., Jr., Cambridge, Mass., assignor to The Sperry Corporation. Servomotor and system having improved torque characteristics. 2,534,293, Dec. 19.

Newton, John M., and L. D. Ough, assignors to Clinton Industries, Inc., Clinton, Iowa. Starch treatment. 2,497,838, Feb. 14.

Newton, Lawrence W., South Charleston, W. Va., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Preparation of fumaric acid. 2,500,260, Mar. 14.

Newton, Stanley W., assignee: *See*—
Harding, Mahlon E.

New Wrinkle, Inc., assignee: *See*—
Beynon, Nathan T.
Flanagan, William F.
Luaces, Enrique L.
Toulmin, Harry A., Jr.
Waldie, William A.
Williams, Gordon M.

New York Air Brake Company, The, assignee: *See*—
Elsworth, John Van V.
Huber, Matthew W.
Klein, William F.
Pickert, Lynn I.
Pickert, Mark.
Whitney, Clark Baynham.

New York Motor Coach Advertising Inc., assignee: *See*—
May, Madeline.

New York and Pennsylvania Co., Inc., assignee: *See*—
Putnam, Charles P., and Baker.

New York Quinine and Chemical Works, Incorporated, assignee: *See*—
Balzer, Manuel M.

New York Wire Cloth Company, assignee: *See*—
Houghton, Daniel E.

Ney, Ernest D., assignee: *See*—
Horning, James W.

Ney, William O., Jr.: *See*—
Barnes, Carl E., and Ney.

Ney, William O., Jr., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Forming resinous products derived from haloacrylic acid compounds. 2,501,647, Mar. 21.

Neyer, Charles H., Alliance, Ohio. Clasp garter. 2,526,394, Oct. 17.

Neyhart, Arthur P., Los Angeles, assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif. Combined camera and indicia recording means. 2,521,667, Sept. 5.

Neyhart, Arthur P., assignor to Mitex Camera Company, Los Angeles, Calif. Photographic shutter. 2,531,639, Nov. 28.

Neyman, Ralph W., Wallace, Idaho. Stope drill column. 2,518,362, Aug. 8.

Niagara Alkali Company, assignee: *See*—
Brooks, William C.
Casciani, Ferri, and Storin.

Niagara Blower Company, assignee: *See*—
Deverall, Charles N.
Horton, Ralph, and Olstad.
Olstad, Martin H.
Stutz, Robert C.
Niagara Duplicator Co., assignee: *See*—
Toby, Max E., and F. L.
Niagara Screens & Machines Limited, assignee: *See*—
Stroud, Robert.
Niash Refining Company, assignee: *See*—
Oldak, Jacob M.
Niblett, Frank J., Tracy, Calif. Wall supported container lid clamp. 2,499,032, Feb. 28.
Nicaro Nickel Company, assignee: *See*—
Hills, Robert C., and Dufour.
Niccoli, Albert L., Phoenix, Ariz. Sandal type shower shoe with adjustable foot-retaining means. 2,532,638, Dec. 5.
Nicholas, Mildred W., Denver, Colo. Skein holder for yarn or the like. 2,532,185, Nov. 28.
Nicholas, William, Chicago, Ill. Incendiary missile. 2,509,244, May 30.
Nicholason, Emmett, Dunedin, Fla., assignor of 15 percent to J. Hanson Boyden, Washington, D. C. Apparatus for treating liquids with light rays. 2,499,153, Feb. 28.
Nicholes, Postell M.: *See*—
Glick, Charles F.
Nicholl, Leonard: *See*—
Elkinton, Herbert R., Kesslin, and Nicholl.
Nicholls, Kenneth H.: *See*—
Rose, Alfred G., and Nicholls.
Nicholls, Ralph J.: *See*—
Jones, Ewart R. H., Bide, and Nicholls.
Nichols, Arthur S., Oak Park, and R. A. Prosser, Riverside, assignors to Illinois Clay Products Company, Joliet, Ill. Coating with lightweight aggregates. 2,495,540, Jan. 24.
Nichols, Charles A., R. B. Bower, J. R. Edwards, W. A. Fletcher, H. W. McCoy, B. S. Sample, and G. L. Weiser, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Plastic molding machine. 2,523,137, Sept. 19.
Nichols, Charles A., M. E. Todd, W. A. Fletcher, and C. J. Keller, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Molding machine. 2,531,524, Nov. 28.
Nichols, Charles M., Pittsburgh, Pa. Regenerative furnace and operating the same. 2,501,476, Mar. 21.
Nichols, Charles W., West Orange, N. J., assignor to C. W. Nichols, Jr., New York, N. Y. Apparatus for drying and incinerating waste materials. 2,505,363, Apr. 25.
Nichols, Charles W., Jr., assignee: *See*—
Nichols, Charles W.
Nichols, Christabel S., Fairfield, Conn. Retractable windshield visor. 2,528,903, Nov. 7.
Nichols, Edgar B., Moorestown, N. J. Multiple holder writing instrument and making same. 2,530,901, Nov. 21.
Nichols, Edward C.: *See*—
Brown, Carl D., and Nichols.
Nichols, Edward C., assignor to Draper Corporation, Hopedale, Mass. Loom lay and beam. 2,529,456, Nov. 7.
Nichols Engineering & Research Corporation, assignee: *See*—
Schilling, Frederick B.
Nichols, Ernest F.: *See*—
Cotton, Claud D., Jr., and Nichols.
Nichols, Frederick S., Melrose, Mass. Ruffle curtain. 2,494,668, Jan. 17.
Nichols, George J., Gary, Ind. Lighter. 2,498,178, Feb. 21.
Nichols, Gordon E., assignor to Winthrop-Atkins Co., Inc., Middleboro, Mass. Leg and brace unit for easels. 2,526,765, Oct. 24.
Nichols, Harry J., New York, N. Y. Controllable pitch marine propeller. 2,501,908, Mar. 28.
Nichols, Herbert F., Hamilton, Ontario, Canada. Phonograph needle. 2,511,444, June 13.
Nichols, John, Outlook, Wash. Device for topping beets. 2,515,660, July 18.
Nichols, Joseph: *See*—
Kass, Peter, and Nichols.
Nichols, Joseph, assignor to Interchemical Corporation, New York, N. Y. Modified drying oil. 2,497,904, Feb. 21.
Nichols, Joseph, New York, N. Y., and L. J. Radi, Somerville, N. J., assignors to Interchemical Corporation, New York, N. Y. Vinyl chloride resin plasticized with di-2,5 endomethylene Δ^3 tetrahydrobenzyl sebacate. 2,526,395, Oct. 17.
Nichols, L. O., assignee: *See*—
Ambye, Anthon Le Roy.
Nichols, Malcolm P.: *See*—
La Vietes, George E., and Nichols.
Nichols, Proctor W., Colorado Springs, Colo. Two-part wheel and hub. 2,515,419, July 18.
Nichols, William C., assignee: *See*—
Crowley, Millard E.
Nicholson, Benjamin P., Seattle, Wash. Cement gun. 2,518,811, Aug. 15.
Nicholson, Celtic, Leominster, Mass. Making wax negative molds. 2,515,017, July 11.
Nicholson, Douglas G., Pittsburgh, Pa. Purification of titanium halides. 2,512,807, June 27.
Nicholson, Edward W. S., Baton Rouge, La., assignor to Standard Oil Development Company. Method and apparatus for carrying out catalytic reactions. 2,514,288, July 4.
Nicholson, Finley C., and C. P. Wilson, Cincinnati, Ohio, assignors to The Davison Chemical Corporation, Baltimore, Md. Incorporation of fines in a silica-alumina catalyst. 2,535,948, Dec. 26.
Nicholson, Floyd G., Cambridge, Nebr. Casting device for fishing lines. 2,496,403, Feb. 7.
Nicholson, Frank H.: *See*—
Jackel, Arthur P., and Nicholson.
Nicholson, Frank H., Penn Township, Allegheny County, assignor to The Union Switch & Signal Company, Swissvale, Pa. Traffic protection apparatus. 2,514,454, July 11.
Nicholson, George J. G., Jr., Roslyn, N. Y. System for matching conductor cables. 2,513,583, July 4.
Nicholson, John C., assignor to British Artificial Resin Company Limited, London, England. Process and apparatus for manufacturing multiply sheet material. 2,523,966, Sept. 26.
Nicholson, Leonard L., Erlton, N. J. Dish fastener for dining tables. 2,517,018, Aug. 1.
Nicholson, Madison G., Jr., Snyder, assignor to Colonial Radio Corporation, Buffalo, N. Y. Push-button tuning signal-seeking receiver. 2,499,967, Mar. 7.
Nicholson, Madison G., Jr., Snyder, assignor to Colonial Radio Corporation, Buffalo, N. Y. Automatic tuning control circuit. 2,501,575, Mar. 21.
Nicholson, Madison G., Jr., Snyder, assignor to Colonial Radio Corporation, Buffalo, N. Y. Circuit for capacity microphones or pickups. 2,515,791, July 18.
Nicholson, Ralph A., Chicago, Ill., assignor, by mesne assignments, to Worthington Pump and Machinery Corporation, Harrison, N. J. Portable dispensing drum and refilling. 2,501,611, Mar. 21.
Nicholson, Ralph A., Chicago, Ill., assignor, by mesne assignments, to Lyon Industries, Inc., New York, N. Y. Pressure operated switch. 2,511,172, June 13.
Nicholson, Ralph A., Chicago, Ill., assignor, by mesne assignments, to Lyon Industries, Inc., New York, N. Y. Beverage dispensing apparatus. 2,532,118, Nov. 28.
Nicholson, W. H. & Company, assignee: *See*—
Johnson, Harold L.
Nickel Cadmium Battery Corporation, assignee: *See*—
Berg, Carl and Marcus.
Nickel, Henry E.: *See*—
Alspaugh, Samuel W., and Nickel.
Nickell, W. T., assignee: *See*—
Tackett, John O.
Nickels, Joseph E., assignor to Koppers Company, Inc., Pittsburgh, Pa. Dehydrogenation of alkyl aromatic compounds. 2,495,278, Jan. 24.
Nickelsen, John M., Ann Arbor, C. E. Read and R. G. Spiess, Monroe, Mich., and A. Boor, Toledo, Ohio, assignors to Monroe Auto Equipment Company, Monroe, Mich. Vehicle seat assembly. 2,500,496, Mar. 14.
Nickerson, Bryan W., Jr., Wilmington, Del. Rigid tire chain. 2,528,165, Oct. 31.
Nickerson, Ford L., Gilboa, N. Y. Paddle mounting for reciprocating gutter hoe-type conveyers. 2,494,626, Jan. 17.
Nickerson, Ford L., Gilboa, N. Y. Reciprocating gutter hoe conveyer. 2,522,888, Sept. 19.
Nickerson, Paul R.: *See*—
Packer, Clifford I., Nickerson, and Harper.
Nickerson, Ward E., Tekonsha, Mich. Automatic holding device for fishing poles and rods. 2,516,245, July 25.
Nickla, Louis E.: *See*—
Hagen, Clarence R., and Nickla.
Nickle, Arthur G., Saginaw, Mich. Gear case assembly. 2,517,913, Aug. 8.
Nickol, Gordon B., Cincinnati, Ohio, assignor to National Distillers Products Corp. Recovery of cherry juice or syrup from cherry brine. 2,494,257, Jan. 10.
Nickol, Gordon B., Cincinnati, Ohio, assignor to National Distillers Products Corp. Processing cherries preserved in sulfur dioxide lime brine. 2,494,258, Jan. 10.
Nickolas, Arthur J., Harrisburg, Pa. Freezing section. 2,521,475, Sept. 5.
Nicolai, Lloyd A., and W. G. Daroux, Baton Rouge, La., assignors to Standard Oil Development Company. Preparing acetic anhydride. 2,509,877, May 30.
Nicolaisen, Reidar J., New York, N. Y., assignor to Air Reduction Company, Incorporated. Apparatus for scarfing billets and the like. 2,494,627, Jan. 17.
Nicole, Amèdèe, assignor to Hermann Thorens Societe Anonyme, Sainte-Croix, Switzerland. Talking machine needle. 2,497,366, Feb. 14.
Nicolette, Arthur P., Albany, Calif. Fluid primer and air eliminator. 2,510,190, June 6.
Nicoli, Arthur, Taunton, Mass. Extruding device for shaping plastic material. 2,522,632, Sept. 19.
Nicoll, Frederick H.: *See*—
Thomsen, Soren M., and Nicoll.
Nicoll, Frederick H., and F. E. Williams, Princeton, N. J., assignors to Radio Corporation of America. Production of low reflectance skeletonized surface on glass. 2,529,703, Nov. 14.

Nicoll, William D., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Cellulose filaments and producing same. 2,515,834, July 18.

Nicoll, William D., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing artificial filaments. 2,515,889, July 18.

Nicolle, Charles, Gentilly, France. Apparatus for obtaining multiple packages, especially adaptable for tablets and similar products. 2,494,484, Jan. 10.

Nicolle, Charles, Gentilly, France. Machine for closing compound packages. 2,502,738, Apr. 4.

Nicolle, Charles, Gentilly, France. Package. 2,512,367, June 20.

Nicolle, Charles, Gentilly, France. Dispensing package of tablets and the like. 2,515,378, July 18.

Nicolle, Charles, Gentilly, France. Apparatus for simultaneously producing multiple recesses in plastic sheet material. 2,518,565, Aug. 15.

Nicolls, Wilfrid E. W., Pinner, assignor to C. A. V. Limited, London, England. Reciprocatory pump for supplying liquid fuel to internal-combustion engines. 2,506,235, May 2.

Nicolson, Alexander M., New York, N. Y. Method and apparatus for detecting waves. 2,499,605, Mar. 7.

Nicolson, Garth F.: *See*—
Hertel, Richard K., and Nicolson.

Nieburg, Felix, assignor to Aktiebolaget Colorator, Stockholm, Sweden. Spray gun. 2,530,206, Nov. 14.

Niece, Olin, Seneca, N. Mex. Cattle chute. 2,528,664, Nov. 7.

Niederer, Edward, Jr., Bridgeport, and O. J. Hegedus, Fairfield, Conn. Composite by-pass valve and fluid transitive appliance. 2,515,252, July 18.

Niederhauser, Alfred, Salt Lake City, Utah. Toggle link jack with two lifting phases. Re. 23,278, Oct. 3.

Niederhauser, Warren D.: *See*—
Bruson, Herman A., and Niederhauser.

Niederhauser, Warren D., assignor to Rohm & Haas Company, Philadelphia, Pa. Preparation of aliphatic nitriles. 2,493,637, Jan. 3.

Niederhauser, Warren D., Philadelphia, and H. A. Bruson, Rydal, assignors, by mesne assignments, to Rohm & Haas Company, Philadelphia, Pa. Iminoester resins. 2,497,955, Feb. 21.

Niederl, J. B., & Associates, Inc., assignee: *See*—
Niederl, Joseph B., and McGreal.

Niederl, Joseph B., Brooklyn, N. Y., and M. E. McGreal, Sommersworth, N. H., assignors to J. B. Niederl & Associates, Inc., New York, N. Y. Nicotinium alkyl sulfates. 2,507,925, May 16.

Niederl, Victor, Round Top, N. Y., and A. Bloom, Summit, assignors to Reed & Carnrick, Jersey City, N. J. Aliphatic esters of 3,4-bis-(m-methyl-β-hydroxyphenyl) hexanes. 2,500,855, Mar. 14.

Niederl, Victor, Round Top, N. Y., and A. Bloom, Summit, assignors to Reed & Carnrick, Jersey City, N. J. Aliphatic esters of 3,4-bis-(m-methyl-β-hydroxyphenyl)-2,4-hexadiene. 2,500,856, Mar. 14.

Niederl, Victor, Round Top, N. Y., and A. Bloom, Summit, assignors to Reed & Carnick, Jersey City, N. J. 3,4-bis-(m-methyl-p-hydroxyphenyl)-hexane. 2,520,052, Aug. 22.

Niedermeyer, Frederick A., Milwaukee, Wis. Photographic press. 2,514,334, July 4.

Nieland, William L., Downers Grove, Ill., J. J. Maguire, Elkins Park, C. B. George, Philadelphia, and H. L. Kahler, Feasterville, assignors to W. H. and L. D. Betz, Philadelphia, Pa. Corrosion and tuberculation inhibition in water systems. 2,529,177, Nov. 7.

Nieland, William L., Downers Grove, Ill., J. J. Maguire, Elkins Park, C. B. George, Philadelphia, and H. L. Kahler, Feasterville, assignors to W. H. and L. D. Betz, Philadelphia, Pa. Obtaining corrosion and tuberculation inhibition in water systems. 2,529,178, Nov. 7.

Nielsen, A. C., Company, assignee: *See*—
Nielsen, Arthur C.
Nielsen, Arthur C., and Rahmel.
Rahmel, Henry A.

Nielsen, Arthur C., Winnetka, assignor to A. C. Nielsen Company, Chicago, Ill. Recording apparatus. 2,501,079, Mar. 21.

Nielsen, Arthur C., Winnetka, and H. A. Rahmel, Evanston, assignors to A. C. Nielsen Company, Chicago, Ill. Statistical analysis system. 2,501,080, Mar. 21.

Nielsen, Carl G., Racine, Wis. Mechanical pencil. 2,501,612, Mar. 21.

Nielsen, Frederik, Quincy, Mass. Camber adjusting tool. 2,518,052, Aug. 8.

Nielsen, John F.: *See*—
Cornwell, Lionel B., and Nielsen.

Nielsen, John V., assignor to Foster Products, Inc., Chicago, Ill. Drawer construction. 2,496,673, Feb. 7.

Nielsen, Karl G., Hughson, Calif. Truck bed construction. 2,495,418, Jan. 24.

Nielsen, Martin E., El Cerrito, Calif. Spring applied vacuum released brake. 2,499,154, Feb. 28.

Nielsen, Morris L., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Fireproofing chlorophyll containing materials. 2,526,083, Oct. 17.

Nielsen, Olav, assignor to Pedershaab Maskinfabrik Aktieselskab, Bronderslev, Denmark. Machine for molding hollow concrete products. 2,524,676, Oct. 3.

Nielsen, Peter, assignor to F. R. King, Omaha, Nebr. Strand splicing device. 2,500,004, Mar. 7.

Nielsen, Ruth A.: *See*—
Akers, Ruth W.

Nielsen, Sigurd, Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y. Conveying apparatus. 2,498,218, Feb. 21.

Nielsen, Sydney C., Melbourne, Victoria, Australia. Ornamenting rubber sheeting. 2,521,992, Sept. 12.

Nielsen, William C., Mariboro, Mass. Mattress harness. 2,508,795, May 23.

Nielson, Edwin C.: *See*—
Wallsworth, Allan G., and Nielson.

Niemand Bros. Inc., assignee: *See*—
Seager, John C., and Jensen.

Niemann, Arthur W., Millington, and L. P. Reitz, Jr., Morristown, assignors to Sound Apparatus Co., Stirling, N. J. Graphic recorder with permanent magnet and pivoting coil. 2,506,648, May 9.

Niemela, Reino J.: *See*—
Morisuye, Masanobu, and Niemela.

Niemi, Paul, Gheen, Minn. Lifting hook. 2,534,619, Dec. 19.

Niemi, William, assignor to The Leece-Neville Company, Cleveland, Ohio. Voltage regulating apparatus. 2,520,689, Aug. 29.

Niemiec, Joseph, Irvington, N. J. Rope suspended ascending and descending supporting device. 2,508,187, May 16.

Niendorff, Otto H., Millburn, N. J. Timing device. 2,535,809, Dec. 26.

Nier, Alfred O. C., and G. H. Goertzel, Riverdale, N. Y., and R. B. Thorness, Minneapolis, Minn., assignors, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission. Fluid selecting apparatus. 2,526,825, Oct. 24.

Nierste, Raymond C., Vincennes, Ind. Brine overflow attachment for ice-cream freezers. 2,514,787, July 11.

Nies, Brainard W., Loch Arbour, N. J., and E. W. Duffy, assignors to United States Gypsum Company, Chicago, Ill. Mold composition. 2,494,403, Jan. 10.

Niessen, Herman, assignee: *See*—
Aho, John.

Niessen, Karel F., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Cavity resonator of rectangular prismatic shape. 2,512,368, June 20.

Niessen, Karel F., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Clamped cavity resonator. 2,528,387, Oct. 31.

Nigh, George E.: *See*—
Burner, Harold C., and Nigh.

Nighbert, Dennis W.: *See*—
Schneider, Paul L., Nighbert, and Cromwell.

Nighswander, Sterling H., Davenport, Iowa, assignor to International Basic Technique Research Institute, Inc., St. Louis County, Mo. Method and apparatus used in X-raying objects. 2,523,050, Sept. 19.

Nightenhelser, Kenneth W., Dayton, Ohio, assignor to the United States of America as represented by the Secretary of War. Radar navigational training equipment. 2,517,591, Aug. 8.

Nigoghosian, Vahan B., Philadelphia, Pa. Horse and wagon toy. 2,502,230, Mar. 28.

Niizawa, George, Chicago, Ill. Writing instrument. 2,509,837, May 30.

Nijkamp, Derk J. E.: *See*—
Dijksman, Albert J., Nijkamp, and Waters.
Jansen, Cornelius G., Nijkamp, and Waters.

Nijland, Bartus A., Twello, Netherlands. Apparatus for molding concrete roof tile or the like. 2,516,070, July 18.

Nijland, Hendrik, A. H., Laren, Netherlands. Electric gas blast circuit breaker. 2,500,429, Mar. 14.

Nik-O-Lok Company, The, assignee: *See*—
Dobkin, William J.
Wasson, Clifford H., and Neer.

Nikander, August W., Highland Park, Mich. Artificial bait. 2,502,879, Apr. 4.

Nikawitz, Edward J.: *See*—
Gump, William S., and Nikawitz.

Nikawitz, Edward J., Passaic, and W. S. Gump, Upper Montclair, N. J., assignors to The Givaudan Corporation. Preparation of 2,4,5-trichlorophenol. 2,509,245, May 30.

Nilakantan, Parameswar, New Delhi, India. Center of gravity calculator. 2,520,428, Aug. 29.

Nile, Robert H., and M. S. Roberts, Wellsville, Ohio, assignors to The Sterling China Company. Chipping machine. 2,533,892, Dec. 12.

Niles-Bement-Pond Company, assignee: *See*—
Baierlein, George W.
Chandler, Milton E.
Drake, Alden M.
Durkee, Henry E.
Fox, Raymond S.
Holmes, Trent H.
Hunt, Scott F.
Laas, Eugene D.
Ladrach, Aaron G.
Lee, Leighton H.
Lockwood, Harry A.
Newton, Chauncey G.
Stresen-Reuter, John H.

Niles, Everett, Willoughby, Ohio, assignor to General Electric Company. Stem making method and apparatus. 2,518,924, Aug. 15.
Niles, Ray L., Crescent City, Fla. Implement carrying apparatus. 2,500,700, Mar. 14.
Nilsen, Bernt, Barranquilla, Colombia. Piston for fountain pens. 2,531,078, Nov. 21.
Nilsen, Peter J., Oak Park, Ill. Flash synchronizer for curtain shutter cameras. 2,517,407, Aug. 1.
Nilson, Arthur N., assignor to Teletype Corporation, Chicago, Ill. Magnetically coupled governor. 2,508,619, May 23.
Nilson, Clifton N., assignor to Cheney Bigelow Wire Works, Springfield, Mass. Cylinder mold papermaking machine. 2,520, 327, Aug. 29.
Nilsson, Erik: *See*—
Svensson, Yngve, and Nilsson.
Nilsson, Johan G., Appelviken, assignor to Arenco Aktiebolag, Stockholm, Sweden. Apparatus for delivering measured quantities of material. 2,529,457, Nov. 7.
Nilsson, Nils A., Gavle, Sweden. Apparatus for making helical shaped candies. 2,501,288, Mar. 21.
Nilsson, Nils A., assignor to Aktiebolaget Wilh. Becker, Stockholm Sweden. Device in easels for locking the parts of the displaceable legs to one another. 2,513,889. July 4.
Nilsson, Nils A., assignor to Aktiebolaget Wilh Becker, Stockholm, Sweden. Device in easels for carrying pictures. 2,532,030, Nov. 28.
Nilsson, Nils E., and K. G. Johnson, assignors to Telefon-Aktiebolaget L M Ericsson, Stockholm, Sweden. System for automatic telephone exchanges with crossbar switches and private branch exchange trunk lines. 2,504,274, Apr. 18.
Nilsson, Sven A., assignor, by mesne assignments, to S. A. N. Swallert, Stockholm, Sweden. Adjustable pneumatic suspension spring and shock absorbing device. 2,523,714, Sept. 26.
Nilsson, Sven R., assignor to Aktiebolaget Bygg- och Transportekonomi, Stockholm, Sweden. Conveying vehicle such as pallet trucks. 2,506,381, May 2.
Nimmo, Robert H.: *See*—
Webb, George A., and Nimmo.
Nims, Paul T., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Generator-motor driving system. Re. 23,314. Dec. 26.
Nims, Paul T., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Generator-motor driving system. 2,506,809, May 9.
Nind, Eric A.: *See*—
White, Eric L. C., Nind, and Johnson.
Nineteen Hundred Corporation, assignee: *See*—
Geldhof, Peter E.
Geldhof, Peter E., and Morgenstern.
Geldhof, Peter E., and Ringer.
Morgenstern, Charles E., and Lake.
Nineteen Thirty Investment Trust Limited, The assignee: *See*—
Huber, Hugo E. C.
Ninness, Fred, assignee: *See*—
McCullough, Gregory A.
Niolon, Joseph R., near Bessemer, Ala. Inversive fold diaper. 2,494,307, Jan. 10.
Nipken, Walter, Fairlawn, assignor to A. J. Peraino, Ridgewood, N. J. Work holder. 2,499,408, Mar. 7.
Nippert, Paul W., Columbus, Ohio. Course indicator for maps. 2,512,285, June 20.
Nissen, Hans G., New York, N. Y., assignor, by mesne assignments, to Zip-Clip Zipper Corp. Reversible slider for slide fasteners. 2,495,176, Jan. 17.
Nissen, Herman W., Pipestone, Minn. Earth auger and groover. 2,512,808, June 27.
Nissen, James M., Los Altos, Calif. Obtaining rudder control. 2,510,133. June 6.
Nissen, James M., Los Altos, Calif. Control mechanism and stabilizer. 2,515,142, July 25.
Nissen, Warren I., assignor to Ronson Art Metal Works, Inc., Newark, N. J. Lighter actuating mechanism. 2,498,377, Feb. 21.
Nissen, Warren I., assignor to Ronson Art Metal Works, Inc., Newark, N. J. Cigar lighter locking mechanism. 2,520,328, Aug. 29.
Nissley, Joseph: *See*—
Hoover, Clarence F., and Nissley.
Nisson, Carl A., assignee: *See*—
Riggs, George S.
Nitardy, Carl, Ipswich, assignor to Sylvania Electric Products, Inc., Salem, Mass. Light controlling panel. 2,510,346, June 6.
Nitardy, Carl, New York, N. Y., assignor to Sylvania Electric Products Inc., Salem, Mass. Fluorescent lighting fixture. 2,523,840, Sept. 26.
Nitenson, Edward, Dorchester, Mass. Model boat cradle. 2,521,938, Sept. 12.
Nitsch, Charles A., Elkridge, Md. Convertible container toy. 2,500,904, Mar. 14.
Nitschke, George E., Toledo, Ohio. Combination clothesline support and lawn ornament. 2,515,661, July 18.
Nitterauer, Franklin D.: *See*—
Lamberty, Frederick R., and Nitterauer.
Niutta, Ascanio, Rome, Italy. Directive traveling waves antenna. 2,513,736, July 4.
Nixon, Alan C., Berkeley, C. H. Deal, Jr., Alameda, and R. J. Evans, Oakland, assignors to Shell Development Company, San Francisco, Calif. Separation of C_8 H_{10} aromatic hydrocarbons by extractive distillation. 2,532,031, Nov. 28.
Nixon, Harley E., assignor to Vickers Incorporated, Detroit, Mich. Power transmission. 2,525,934, Oct. 17.
Nixon, Harold G., Youngstown, Ohio. Trailer. 2,494,404, Jan. 10.
Nixon, Jeddy D., New Braunfels, assignor of one-half to Wilson Supply Company, Houston, Tex. Fluid pressure regulator. 2,504,720, Apr. 18.
Nixon, Jeddy D., New Braunfels, assignor of one-half to Wilson Supply Company, Houston, Tex. Well spider. 2,527,954, Oct. 31.
Nixon Nitration Works, assignee: *See*—
Bonham, William H.
Orsini, Camillo D.
Nixon, William O., East Detroit, assignor, by mesne assignments, to Turner Bros. Inc., Ferndale, Mich. Method and apparatus for producing spiral broaches. 2,510,830, June 6.
Noack, Andrew A., and C. H. Schmidgall, Peoria, Ill.; said Noack assignor to said Schmidgall. Brick fork. 2,527,103, Oct. 24.
Nobbs, Albert R., Sillery, Quebec, Canada, assignor to General Electric Company. Drag magnet for watt-hour meters. 2,501,535, Mar. 21.
Noble, Bert, Winters, Calif. Charging chute. 2,522,293, Sept. 12.
Noble, Bert, Winters, Calif. Master batcher. 2,527,147, Oct. 24.
Noble, Charles S., G. C. and S. F., Nobleford, Alberta, Canada. Blade weeding assembly. 2,503,884, Apr. 11.
Noble, Daniel E., Elmhurst, assignor to Motorola, Inc., Chicago, Ill. Compensated reed mounting. 2,500,372, Mar. 14.
Noble Drilling Corp., assignee: *See*—
McCoy, Clarence J.
Noble, F. H., & Company, assignee: *See*—
Allen, Jack G.
Noble, Gerald C.: *See*—
Noble, Charles S., G. C., and S. F.
Noble, Herschel.: *See*—
Kahn, Louis E., and Noble.
Noble, John D., Kermit, Tex. Magnetic fishing tool. 2,522,294, Sept. 12.
Noble, Samuel, Detroit, Mich. Multiple camera. 2,507,926, May 16.
Noble, Shirley F.: *See*—
Noble, Charles S., G. C., and S. F.
Noble & Wood Machine Company, The, assignee: *See*—
Roberson, Cyrus E.
Nobles, Warren H., St. Paul, Minn. Ammunition chute. 2,510,191, June 6.
Noblitt-Sparks Industries, Inc., assignee: *See*—
Booth, Earl C.
Farr, Edward A.
Farr, Edward A., and Theisen.
Nock, Harry: *See*—
Lorenz, Anton, and Nock.
Nodine, Frederick A., Terryville, assignor to The Cooper Oven Thermometer Company, Pequabuck, Conn. Fastener. 2,494,669, Jan. 17.
Nodle, George B., Santa Monica, Calif. Automobile sun visor attachment. 2,517,337, Aug. 1.
Noe, Harold C., Upper Montclair, assignor to Bloomfield Tool Corporation, Bloomfield, N. J. Film scraping device for film splicers. 2,502,475, Apr. 4.
Noe, Harold C., Upper Montclair, assignor to Kidde Manufacturing Co., Inc., Bloomfield, N. J. Sausage link and tie forming means. 2,510,997, June 13.
Noe, Harold C., Upper Montclair, assignor to Kidde Manufacturing Company, Inc., Bloomfield, N. J. Guide bar supporting construction for warp knitting machines. 2,515,253, July 18.
Noe, William M., assignee: *See*—
Griswold, Owen H.
Noecker, Louis J., Saint Clair, Mo. Machine for turning and binding the edges of leather. 2,503,589, Apr. 11.
Noel, Edward B., Cleveland Heights, Ohio, assignor to General Electric Company. Lamp holder. 2,494,897, Jan. 17.
Noel, Edward B., Cleveland Heights, Ohio, assignor to General Electric Company. Photographic lamp unit. 2,501,405, Mar. 21.
Noel, Jules J., Jr.: *See*—
Buquoi, John Q., Noel, and Schexnaildre.
Noel, Lester P., Cottonport, La. Plow attachment. 2,502,532, Apr. 4.
Noelcke, Carl L., Sr., Cincinnati, Ohio. Parachute pack. 2,519,923, Aug. 22.
Noeldner, Erwin C., assignee: *See*—
McCann, Floyd E.
Noell, Elmer F., assignor to The Printing Machinery Company, Cincinnati, Ohio. Machine for die-cutting paper. 2,495,659, Jan. 24.
Noether, Herman D.: *See*—
Irany, Ernest P., and Noether.
Noether, Herman D., Kew Gardens, N. Y., assignor to Celanese Corporation of America. Production of polymeric compounds. 2,534,366, Dec. 19.

Noether, Herman D., Kew Gardens, N. Y., and E. P. Irany, Cranford, N. J., assignors to Celanese Corporation of America. Production of sulfur dioxide-olefin resins. 2,505,833, May 2.

Nofz, Harold E., assignor to National Stamping Company, Detroit, Mich. Seat slide structure. Re. 23,197, Feb. 14.

Nofzinger, Earl E., assignor, by mesne assignments, to Gibson Refrigerator Company, Greenville, Mich. Refrigerator door. 2,513,043, June 27.

Nogle, James E., assignor of one-half to Theodore Lawrence, Phoenix, Ariz. Evaporative air cooler and conditioner. 2,498,818, Feb. 28.

Noguera, Joseph, assignor to Casablancas High Draft Company Limited, Manchester, England. One-way brake for textile machinery. 2,504,571, Apr. 18.

Nohrden, Chester G., Watsonville, Calif. Vegetable or fruit gripper. 2,502,739, Apr. 4.

Nokes, Ernest S.: *See*—
Chase, Ernest E., Nokes, Stratton, and Goodhue.

Nolan Company, The, assignee: *See*—
Merritt, Glenn W.

Nolan, John J., Jr., assignor to The Central Foundry Company, New York, N. Y. Metal pouring apparatus for centrifugal castings. 2,495,541, Jan. 24.

Nolan, John J., Jr., assignor to The Central Foundry Company, New York, N. Y. Apparatus for clamping molds in the centrifugal casting of pipe and the like. 2,512,071, June 20.

Nolan, Mildred A., Coral Gables, Fla. Fish trap with expandible hooks. 2,532,186, Nov. 28.

Nolan, Terence M., and S. Gasper, Buffalo, assignors to Bell Aircraft Corporation, Wheatfield, N. Y. Manufacturing minutely orificed articles. 2,533,609, Dec. 12.

Nolan, William J.: *See*—
Crafts, Curtis S., Nolan, and Zimmer.

Nold, John B., St. Joseph, Mo. Multisectional engine heat dissipating device. 2,498,001, Feb. 21.

Nolde, George V., Berkeley, Calif., assignor to Marchant Calculating Machine Company. Calculating machine. 2,525,423, Oct. 10.

Nolen, Hardy, Birmingham, Ala. Flexible coupling. 2,497,623, Feb. 14.

Noll, George A., Lake Alfred, Fla. Pipe coupling. 2,529,098, Nov. 7.

Noll, Paul E., Pasadena, C. W. Crawford, Los Angeles, T. D. Aller, San Gabriel, and A. R. Rethey, assignors, by mesne assignments, to Consolidated Western Steel Corporation, Los Angeles, Calif. Pump operating unit. 2,504,218, Apr. 18.

Nolley, Leonard F.: *See*—
Sherbrook, Clarence H., and Nolley.

Nolli, Giovanni: *See*—
Pianta, Ubaldo, Pelegatta, and Nolli.

Nolt, Edwin B., Ephrata, Pa., assignor, by mesne assignments, to The Sperry Corporation, New York, N. Y. Hay gathering and feeding mechanism for hay balers. 2,507,540, May 16.

Nolt, Edwin B., Ephrata, Pa., assignor, by mesne assignments, to The Sperry Corporation, New York, N. Y. Tying mechanism for automatic balers. 2,528,538, Nov. 7.

Nolte, Claude B.: *See*—
Yates, Cecil F., and Nolte.

Noma Electric Corporation, assignee: *See*—
Desmond, William T. C. and W. J. Raskin, Walter.

NoMend Hosiery, Inc., assignee: *See*—
Hinkley, Henry R.

Non-Skid Surfacing Corporation, The, assignee: *See*—
Nelson, Henry P.

Noodleman, Samuel, assignor to Standard Dayton Corporation, Dayton, Ohio. Electric motor control. 2,514,896, July 11.

Nopco Chemical Company, assignee: *See*—
Buxton, Loran O.
Buxton, Loran O., and Dryden.
Cunder, Joseph, and Licata.
Dombrow, Bernard A.
Gould, David H.
Kapp, Roland, and Griffith.
Kapp, Roland, Pickel, and Rosenberg.
Knox, Lawrence H.
Leupold, Henry F., and Kelley.
Levy, Joseph, and Kapp.
Miskel, John J., and Rassner.
Porter, Archie B.
Ruigh, William L.
Schiller, Bernhardt, and Beach.
Sprules, Francis J., and Price.

Noranda Mines, Limited, assignee: *See*—
Renken, Howard C.

Nørballe, Svend G., Copenhagen, Denmark. Closing device for doors. 2,528,904, Nov. 7.

Norberg, Hugo W., Flint, Mich. Apparatus for making pin type flower holders. 2,500,857, Mar. 14.

Norberg, William A., assignor to Raynor Manufacturing Company, Dixon, Ill. Guide roller and hinge structure. 2,525,309, Oct. 10.

Norbom, Ragnar A., New York, N. Y., assignor to National Fitch Corporation. Nozzle construction for use in the pneumatic handling of flour and the like. 2,502,740, Apr. 4.

Norbom, Ragnar A., New York, N. Y., assignor to National Fitch Corporation. Dump vehicle tilting and locking. 2,502,741, Apr. 4.

Norbom, Ragnar A., New York, N. Y., assignor to National Fitch Corporation. Shipping container. 2,513,737, July 4.

Norbom, Ragnar A., New York, N. Y., assignor to National Fitch Corporation. Transport vehicle for pulverulent material. 2,523,229, Sept. 19.

Norcross, Sterling E., Bloomfield, N. J. Draft trap. 2,535,368, Dec. 26.

Nord, Eric T., assignor to U. S. Automatic Corporation, Amherst, Ohio. Work holder. 2,520,329, Aug. 29.

Nordberg, Ernst A., Southport, Conn. Method and apparatus for forming capacitor bodies. 2,506,314, May 2.

Nordberg Manufacturing Company, assignee: *See*—
Anderson, Karl V.
Grieshaber, Emil, and Froehlich.
Gruender, Oscar C.
Kellogg, Joseph.
Protzeller, Harry W.
Shatter, Ruland R
Symons, Loren G.
Talboys, Henry H.
Talboys, Henry H., and Erickson.

Nordberg, Martin E., assignor to Corning Glass Works, Corning, N. Y. Fibrous glass articles. 2,494,259, Jan. 10.

Nordberg, Martin E., assignor to Corning Glass Works, Corning, N. Y. Making ultraviolet transmitting high silica glass. 2,505,001, Apr. 25.

Nordberg, Martin E., assignor to Corning Glass Works, Corning, N. Y. Graded seal. 2,517,019, Aug. 1.

Norde, Leslie, Hempstead, N. Y., assignor, by mesne assignments, to Jefferson Standard Broadcasting Company. High stability oscillator generator. 2,495,177, Jan. 17.

Norden, Arthur G., Defiance, Ohio. Fleshing machine. 2,504,219, Apr. 18.

Norden, Carl L., assignor to The Norden Laboratories Corporation, New York, N. Y. Stabilization of directional devices. 2,499,228, Feb. 28.

Norden, Jesse, Woodmere, N. Y. Forming one-piece paper containers. 2,534,052, Dec. 12.

Norden Laboratories Corporation, The, assignee: *See*—
Hofstadter, Robert.
Norden, Carl L.
Schaefer, Carl F.
Wehrlin, Richard F.
Wehrlin, Richard F., and Young.

Nordenskjöld, Tore, Malmö, and K. S. Holmquist, Stockholm, Sweden. Treatment of masses containing chocolate. 2,496,557, Feb. 7.

Nordenskjöld, Tore, and E. A. Jönsson, Malmo, Sweden. Stabilizing dried starch sirup. 2,501,406, Mar. 21.

Nordenstam, Norris, Riverside, Calif. Suction operated windshield wiper motor. 2,499,671, Mar. 7.

Nordgarden, Ernest S., Portland, Oreg. Pastry whip. 2,499,074, Feb. 28.

Nordin, Holger G. E., Chicago, Ill. Gear pump brake for revolving doors. 2,529,811, Nov. 14.

Nordisk Insulinlaboratorium, assignee: *See*—
Hagedorn, Hans C.

Nordlander, Birger W., Schenectady, and J. A. Loritsch, Scotia, N. Y., assignors to General Electric Company. Insulated electrical conductor. 2,524,536, Oct. 3.

Nordman, Joseph, Montgomery, Ala. Capsule filling device having a standard, a rotatably and slidably mounted platform, and rotatably mounted spreader means thereon. 2,526,965, Oct. 24.

Nordmark, Henry P., assignor to Ideal Seating Company, Grand Rapids, Mich. Retractable theater chair. 2,530,625, Nov. 21.

Nordmark, Walter E.: *See*—
Hoven, Alfred C., Nordmark, and Lindberg.

Nordmark, Walter E., assignor to American Seating Company, Grand Rapids, Mich. Theater chairs having tip-up seats. 2,500,135, Mar. 7.

Nordquist, Elis, Linkoping, Sweden. Ejecting device for parachutists. 2,524,355, Oct. 3.

Nordquist, Robert G.: *See*—
Arenberg, Albert L., Nordquist, and Rahn.

Nordquist, Ronald E. J., Maplewood, N. J., assignor to American Can Company, New York, N. Y. Liquid filling machine. 2,517,592, Aug. 8.

Nordsieck, Arnold T., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave guide coupler. 2,523,841, Sept. 26.

Nordström, Carl G. R., Stockholm, Sweden. Removable-tip electric soldering iron. 2,505,625, Apr. 25.

Nordström, Johan A., deceased, by K. S. Orola, administrator, assignor to Oy. Ardo Ab., Helsinki, Finland. Electric thawer for pipes. 2,523,876, Sept. 26.

Norelius, Emil F., Springfield, Ill., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Driving and steering mechanism for motor vehicles. 2,533,610, Dec. 12.

Norelius, Emil F., Springfield, Ill., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Controlled differential transmission mechanism. 2,533,611, Dec. 12.

Norem, Winfred L.: *See*—
Hampel, Clifford A., and Norem.

Norgaard, Donald E., Scotia, N. Y., assignor to General Electric Company. Regulated oscillator. 2,523,051, Sept. 19.
Norgren, Carl A., and K. C. Mosier, Denver, Colo., said Mosier assignor to said Norgren. Air filter. 2,528,539, Nov. 7.
Norheim, Ludwig M., Garden City, Mich. Revolving bed. 2,534,471, Dec. 19.
Norlin, Clarence F., Chicago, Ill. Eraser for writing instruments. 2,495,178, Jan. 17.
Norlin, Clarence F., Chicago, Ill. Portable luggage having retractable wheels. 2,510,754, June 6.
Norlindh, Sven E. M., Hallefors, Sweden. Roll-bearing device. 2,506,681, May 9.
Norlindh, Sven E. M., Hallefors, Sweden. Guiding means for rolling mills and the like. 2,506,682, May 9.
Norlindh, Sven E. M., Morgardshammar, Sweden. Roll bearing device. 2,500,957, Mar. 21.
Norma Pencil Corp., assignee: *See*—
Ross, Samuel J.
Norman, Alvin J., Ironwood, Mich. Oarlock. 2,520,558, Aug. 29.
Norman, Daniel P., assignor to New England Spectrochemical Laboratories, Ipswich, Mass. Spectographic treatment of organic materials. 2,509,649, May 30.
Norman, Edward A., Jr., assignor to Norman Products Company, Columbus, Ohio. Gas-fired forced draft and air flow unit air heater. 2,519,496, Aug. 22.
Norman, Horace M., Skokie, assignor to Stewart-Warner Corporation, Chicago, Ill. Multiple-speed electric motor. 2,502,338, Mar. 28.
Norman, John H., Elmhurst, Ill. Device for cutting cake and handling the cut pieces. 2,502,982, Apr. 4.
Norman Nelson Corp., assignee: *See*—
Castellano, Joseph P.
Norman Products Company, assignee: *See*—
Norman, Edward A., Jr.
Norman, Robert S., Killeen, Tex. Photoelectric exposure meter. 2,532,417, Dec. 5.
Normand, Wilfred T., Cumberland, Md., assignor to Celanese Corporation of America. Pad dyeing of cellulose derivative fabrics made from sized spun staple fibers followed by desizing. 2,511,938, June 20.
Normandin, Alfred H., Natick, Mass. Coaster with detachable ski runner. 2,523,052, Sept. 19.
Normilart Corporation, assignee: *See*—
Miltenberg, Leonard, and Beckoff.
Noros, George C., assignor to Bond Foundry & Machine Company, Manheim, Pa. Industrial hand truck. 2,493,824, Jan. 10.
Norquist, Glenn H., Jamestown, N. Y. Automatic line forming machine. 2,505,788, May 2.
Norquist, Glenn H., Jamestown, N. Y. Grooving laminated plywood. 2,505,789, May 2.
Norrefeldt, Ernst E. A., and H. E. E. Holst, Lidingo, assignors to Hyresgästernas Sparkasse-och Byggnadsforeningars Riksförbund u. p. a., Stockholm, Sweden. Clinching of nails when joining pieces of wood or the like. 2,497,737, Feb. 14.
Norris, David P., assignor of fifty per cent to Shipper's Ice Company, Phoenix, Ariz. Ice upending machine. 2,520,253, Aug. 29.
Norris, Edward O., Westport, Conn. Nozzle for suction cleaner. 2,516,246, July 25.
Norris, Frank A.: *See*—
Leaders, William M., and Norris.
Norris, Fred H., Elmwood, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif. Bulldozer. 2,511,123, June 13.
Norris, George W., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Mechanical time-delay device. 2,512,369, June 20.
Norris, Henry D., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Mineral oil composition. 2,528,773, Nov. 7.
Norris, Henry D., Woodbury, N. J., and J. H. McCracken, Tulsa, Okla., assignors to Socony-Vacuum Oil Company, Incorporated. Lubricant composition. 2,503,290, Apr. 11.
Norris, Henry D., Woodbury, N. J., and J. H. McCracken, Corpus Christi, Tex., assignors to Socony-Vacuum Oil Company, Incorporated. Hexachlorothiolane. 2,504,083, Apr. 11.
Norris, Henry D., Woodbury, N. J., and J. H. McCracken, Corpus Christi, Tex., assignors to Socony-Vacuum Oil Company, Incorporated. Hexachlorothiolene. 2,504,084, Apr. 11.
Norris, Henry D., Woodbury, N. J., and J. H. McCracken, Tulsa, Okla., assignors to Socony-Vacuum Oil Company, Incorporated. Mineral oil composition containing hexachlorothiolene. 2,504,085, Apr. 11.
Norris, John F., Clinton, S. C. Toilet mask. 2,509,519, May 30.
Norris, John W., Marshalltown, Iowa, assignor, by mesne assignments, to Missouri Automatic Control Corporation. Space temperature control. 2,498,571, Feb. 21.
Norris, Neil S., Hayward, Calif. Welding thermoplastic bodies. 2,505,647, Apr. 25.
Norris, Ray B.: *See*—
Little, Virgil E., and Norris.
Norris, Richard G.: *See*—
Tully, Edward E., and Norris.
Norris, Richard O., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Production of esters of unsaturated lower fatty acids. 2,500,005, Mar. 7.
Norris Stamping and Manufacturing Company, assignee: *See*—
Hoger, Burton E.
Waterman, Herbert.
Norris, W. C., Manufacturer, Inc., assignee: *See*—
Cross, Clint.
Norris, Wendell H., assignee: *See*—
Anderson, Eric.
Norris, William C., L. R. Steinhardt, and F. L. Ribe, U. S. Navy. Time division demultiplexer for teletype signals. 2,520,953, Sept. 5.
Norris, William H., Titusville, Pa., assignor to Allegheny Ludlum Steel Corporation. Steel alloy containing columbium. 2,506,518, May 2.
Norrish, John W., Lockland, Ohio, assignor to Avco Manufacturing Corporation, Detroit, Mich. Refrigerator door assembly. 2,528,705, Nov. 7.
Norrish, John W., Lockland, and A. E. Nave, assignors to Avco Manufacturing Corporation, Cincinnati, Ohio. Refrigerator cabinet construction. 2,496,252, Jan. 31.
North, Charles E., Montclair, N. J. Continuous butter working apparatus. 2,521,398, Sept. 5.
North, Charles R., Loudonville, N. Y. Twin sheet sleeping garment. 2,525,713, Oct. 10.
North Electric Manufacturing Company, The, assignee: *See*—
Blackhall, James M., and Hickman.
Blashfield, William H.
Sterrett, Kenneth R., and Baker.
North, Gerald C., A. J. Alton, and W. C. Brown, assignors to Beatrice Creamery Company, Chicago, Ill. Shortening. 2,520,954, Sept. 5.
North & Judd Manufacturing Company, The, assignee: *See*—
Brown, Alexander M.
Frank, Herman M.
Sullivan, Joseph F.
North, Raymond V., Gashland, Mo. Vehicle turn indicator signal. 2,521,304, Sept. 5.
North American Aviation, Inc., assignee: *See*—
Fairbanks, Avard F.
Ford, Frederick A., Jr.
Henrichsen, Knut.
Horkey, Edward J.
Jelinek, Donald, and Frey.
Johnson, Quinton C.
Keller, Philip B., and Jelinek.
Martin, Eric L., and Payne, Jr.
Oberholtzer, John M.
Ruppert, Gustave J.
Warner, De Ver K.
North American Cement Corporation, assignee: *See*—
Kelley, Frederick W., Jr.
North American Electric Lamp Company, assignee: *See*—
Weber, Alfred H.
North American Geophysical Company, assignee: *See*—
Sweet, Reginald C.
North American Manufacturing Company, The, assignee: *See*—
McRae, Homer C.
North American Paper Process Company, Inc., assignee: *See*—
Hurley, Albert B.
North American Rayon Corporation, assignee: *See*—
Martin, Harold K.
Naumann, Herbert O.
North American Research Corporation, assignee: *See*—
Thomas, Charles C.
North British Locomotive Company Limited, assignee: *See*—
Fett, Richard H.
North Carolina Magnesium Development Corporation, assignee: *See*—
Hansgirg, Fritz J.
North Carolina Pulp Company, assignee: *See*—
Bowen, Robert E.
Northcutt, Walter E., Chebanse, assignor to Manco Mfg. Co., Bradley, Ill. Metal strip cutter. 2,533,612, Dec. 12.
Northeast Tool and Die Works, Inc., assignee: *See*—
Peterson, Wilbur P.
Northern Electric Company, Limited, assignee: *See*—
Clarke, John L.
Demers, Paul E.
Lanham, Edward H.
Lorimer, Bertram D.
Reynolds, George K.
Northern Engraving & Manufacturing Co., assignee: *See*—
Brietzke, Adrian P.
Northern Indiana Brass Company, assignee: *See*—
Arbogast, Alfred C.
Hunter, Robert H., and Friberg.
Jeppson, George N., and Howe.
Schaefer, Reinhold A.
Northern Ordnance, Incorporated, assignee: *See*—
Gondek, John T.
Northern Pump Company, The, assignee: *See*—
Dohm, Arthur J.
Northey, Elmore H.: *See*—
Hultquist, Martin E., and Northey.

Northquist, Clarence T., assignor of one-third to G. O. Brown, Seattle, Wash., and one-third to L. B. Johnson, Minneapolis, Minn. Manually operated vegetation clipper. 2,534,924, Dec. 19.

Northern Aircraft, Inc., assignee: *See*—
Ackerlind, Erik, and Williams.
Cerny, Walter J.
Chisam, Eugene D.
Fay, Robert A.
Fishbein, Meyer.
Fuller, Chester J.
Motis, Gilbert M.
Motis, Gilbert M., and Chapman.
Threewit, Donald M.

Northrop, George E., Jr.: *See*—
Ericson, Folke E., and Northrop.

Northrop-Handy Co., assignee: *See*—
Derbyshire, Charles F.

Northrop, Lucille D., Mankato, Minn. Grammar game. 2,520,649, Aug. 29.

Northrup, Keith L., and R. T. Hedfield, Madison, Wis. Tire loosening tool. 2,520,330, Aug. 29.

Northrup, King & Co., assignee: *See*—
Davies, Walter R.

Northrup, Weaver L., Elm Creek, assignor of one-third to L. C. Hill, Hastings, Nebr. Gasket for repairing weld and pit leaks on pipes. 2,529,411, Nov. 7.

Northwestern National Bank of Minneapolis, assignee and executor: *See*—
Grapp, Herbert L.

Northwestern Steel and Wire Company, assignee: *See*—
Griesemer, Harry E.

Norton, Charles L., Jr., New York, N. Y., assignor to The Babcock & Wilcox Company, Rockleigh, N. J. Solid material heating apparatus. 2,512,442, June 20.

Norton, Charles L., Jr., New York, N. Y., assignor to The Babcock & Wilcox Company, Rockleigh, N. J. Fluid heating. 2,520,164, Aug. 29.

Norton, Charles L., Jr., New York, N. Y., and V. J. Duplin, Jr., Fanwood, assignors to The Babcock & Wilcox Company, Rockleigh, N. J. High-temperature castable refractories. 2,527,500, Oct. 24.

Norton Company, assignee: *See*—
Ballard, Archibald H., and Marshall.
Bura, Walter M.
Coes, Loring, Jr.
Esty, Charles C.
Finlay, Gordon R.
Flygare, Carl G., Alvord, and Drown.
Green, Clarence J.
Green, Clarence J., and Hill.
Howe, Wallace L.
Indge, Herbert S.
Jeppson, George N.
Jeppson, George N., and Van der Pyl.
Jeppson, George N., Van der Pyl, and Howe.
Kistler, Samuel S.
Knowlton, James W., and Fetterley.
Martin, Dana W.
Milligan, Lowell H.
Montgomery, Harold R.
Moule, Rex E.
Rehnberg, Gustaf A.
Silven, Herbert A., and Flygare.
Silven, Herbert A., and Percival.
Sweetser, Chauncey E.
Teague, Ernest D.
Wood, Wallace H.

Norton, Douglas G.: *See*—
Smith, Curtis W., Norton, and Ballard.

Norton, Homer E., Oakland, Calif., assignor of one-half to W. Evans. Airflow cooler. 2,528,449, Oct. 31.

Norton, James H., assignor to Auburn Rubber Corporation, Auburn, Ind. Wheeled toy axle mounting. 2,516,526, July 25.

Norton Laboratories, Inc., assignee: *See*—
Valentine, Harold G.

Norton, Leland D., Fairfield, assignor to Dictaphone Corporation, Bridgeport, Conn. Phonograph pickup having elastic drive member. 2,500,561, Mar. 14.

Norton, Mary, Portland, Maine. Lawn mower. 2,515,662, July 18.

Norton Patents Corporation, assignee: *See*—
Baruch, Sydney N.

Norton, Samuel H., assignor to Thompson Products, Inc., Cleveland, Ohio. Making impeller bucket dies. 2,503,630, Apr. 11.

Norton, Samuel H., assignor to Thompson Products, Inc., Cleveland, Ohio. Valve rotating device. 2,516,795, July 25.

Norton, Sereno G., Brunswick, Ga., assignor to Hercules Powder Company, Wilmington, Del. Preparation of terpineol. 2,521,399, Sept. 5.

Norton, Ted R., Pittsburg, Calif., assignor to The Dow Chemical Company, Midland, Mich. Preparation of 2,4,6-tristrichloromethyl-1,3,5-triazine. 2,525,714, Oct. 10.

Norvelle, Herman D., Jacksonville, Fla. Conduit snake. 2,534,472, Dec. 19.

Norvent Limited, assignee: *See*—
Hickmott, Brian W. R.

Norvich, Samuel G., St. Paul, Minn., assignor to Tots Superwear Co. Garment. 2,507,382, May 9.

Norway, Harold L., Evanston, assignor to The Bastian Blessing Company, Chicago, Ill. Liquefied petroleum gas dispensing system. 2,499,409, Mar. 7.

Norwick, Henrietta M., Oakland, Calif. Spray gun. 2,497,625, Feb. 14.

Norwood Company, The, assignee: *See*—
Bode, Robert G., and Geib.

Norwood, Donald W., Pasadena, Calif. Dual range exposure meter having a light-diffusing pivoted cover. 2,504,346, Apr. 18.

Norwood, Robert R., Mineral Wells, Tex. Bag holder. 2,505,301, Apr. 25.

Nosik, William A., Cleveland Heights, Ohio. Multiple chamber container. 2,495,942, Jan. 31.

Nosker, Paul W., Yellow Springs, Ohio. Remote-control system. 2,515,254, July 18.

Nostrip, Inc., assignee: *See*—
Johnson, James M., Mark, and Jelling.

Nosworthy, T. Arthur, assignee: *See*—
Ely, Robert S.

Notara, Andrew L., Elmwood Park, Ill. Musical instrument. 2,494,485, Jan. 10.

Notevarp, Olav, Bergen, assignor to Aktieselskapet Stord, Lervik, Norway. Producing oil and meal from fish offal. 2,497,367, Feb. 14.

Nothdurft, John J., St. Louis, Mo. Colostomy stool dispenser. 2,502,742, Apr. 4.

Notley, Oscar L.: *See*—
Golden, Carl E., and Notley.

Noto, Frank, assignee: *See*—
Geraci, Lester, and Pablovich.

Noto, Peter, assignee: *See*—
Geraci, Lester, and Pablovich.

Notterman, Frank A.: *See*—
Herbert, Harry E., and Notterman.

Nottingham, Ralph K., Portland, Oreg., assignor to Phillips Tutch-Latch Company, New York, N. Y. Latching device with stamped catch. 2,493,016, Jan. 3.

Nottingham, Ralph K., Portland, Oreg., assignor to Phillips Tuch-Latch Company, New York, N. Y. Self-aligning latching device. 2,535,153, Dec. 26.

Novack, Hymen H., assignee: *See*—
Vogel, Frank.

Novak, Charles T.: *See*—
Collins, Arthur R., Leslie, II, and Novak.

Novak, Frank J.: *See*—
Rubertino, Louis, and Novak.

Novak, Izador J., Trumbull, Conn., assignor to Raybestos-Manhattan, Inc., Passaic, N. J. Producing paper base plastic sheet material. 2,525,310, Oct. 10.

Novak, Mildred E., assignee: *See*—
Schmidt, Howard F., Gerlach, and Squiers.

Novák, Václav, Prague, Czechoslovakia. Appliance for peeling fruit such as oranges, lemons, and grapefruit. 2,522,054, Sept. 12.

Novello, Frederick C.: *See*—
Fieser, Louis F., Harris, Hershbert, Morgana, Novello, and Putnam.

Novi Equipment Company, assignee: *See*—
Mieras, Merritt A., and Millington.
Welch, Lewis W., and Millington.

Noville, George O., Van Nuys, assignor to Great American Universal Aircraft Loading Service, Los Angeles, Calif. Apparatus for handling aircraft cargo. 2,498,819, Feb. 28.

Novo Terapeutisk Laboratorium A/S, assignee: *See*—
Frederiksen, Svend E.

Novotney, Frank A., assignor to Anthony Company, Streator, Ill. Balancing means for tail gate elevators. 2,525,424, Oct. 10.

Novotny, Emil E., Prospectville, G. K. Vogelsang, La Mott, and Ernest E. Novotny, Philadelphia, Pa., assignors to The Borden Company, New York, N. Y. Hemiformalization products of urea-formaldehyde resinous condensates. 2,512,671, June 27.

Novotny, Emil E., Prospectville, G. K. Vogelsang, La Mott, and Ernest E. Novotny, Philadelphia, Pa., assignors to The Borden Company, New York, N. Y. Soluble and fusible formalization products of urea-formaldehyde resinous condensates. 2,512,672, June 27.

Novotny, Emil E., Prospectville, and G. K. Vogelsang, Cheltenham Township, Montgomery County, Pa., assignors to The Borden Company, New York, N. Y. Anacardic-chloroanacardic reaction products. 2,520,331, Aug. 29.

Novotny, Emil E., North Wales, and G. K. Vogelsang, La Mott, Pa., assignors to The Borden Company, New York, N. Y. Chlorinated anacardic compositions and making such compositions. 2,520,332, Aug. 29.

Novotny, Ernest E.: *See*—
Novotny, Emil E., Vogelsang, and Novotny.

Novy, Richard J., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Tool for spinning over ends of tubular rivets. 2,501,576, Mar. 21.

Nowaczek, Bernard I., Chicago, Ill. Tackle box. 2,517,914, Aug. 8.

Nowak, Alois K., Evanston, assignor to Clearing Machine Corporation, Chicago, Ill. Tube forming machine with longitudinally movable core. 2,505,718, Apr. 25.

Nowak, Milton, Brooklyn, N. Y., assignor to Nuodex Products Co., Inc., Elizabeth, N. J. Alkyl dimethyl benzyl ammonium naphthenate. 2,519,924, Aug. 22.

Nowak, Welville B., Boston, Mass., assignor by mesne assignments, to the United States of America as represented by the Secretary of War. Antenna. 2,505,569, Apr. 25.
Nowell, Richard A., assignor to Metal Products, Inc., Los Angles, Calif. Counterbalanced hinge structure. 2,535,448, Dec. 26.
Nowelsky, Stanley L., Belleville, N. J. Strip feeding apparatus. 2,514,554, July 11.
Nowka, Sterling, North Tonawanda, N. Y. Work driver unit. 2,493,995, Jan. 10.
Nowlin, Edward M., Kansas City, Mo. Rotary pulverizing and grading machine. 2,526,396, Oct. 17.
Noxon, Paul A., Tenafly, assignor to Bendix Aviation Corporation, Teterboro, N. J. Line of sight stabilization. Re. 23,303, Dec. 12.
Noxon, Paul A., Tenafly, assignor to Bendix Aviation Corporation, Teterboro, N. J. Indicator. 2,506,885, May 9.
Noxon, Paul A., Tenafly, assignor to Bendix Aviation Corporation, Teterboro, N. J. Line of sight stabilization. 2,513,738, July 4.
Noxon, Paul A., Tenafly, assignor to Bendix Aviation Corporation, Teterboro, N. J. Electric motor control system. 2,514,555, July 11.
Noxon, Paul A., Tenafly, and N. B. Murphy, West Englewood, assignors to Bendix Aviation Corporation, Teterboro, N. J. Automatic pilot. 2,516,796, July 25.
Nox-Rust Chemical Co., assignee: *See*—
Hutter, Clemens A.
Nox-Rust Chemical Corporation, assignee: *See*—
Beretvás, Helen S.
Lieber, Eugene.
Schwoegler, Edward J., and Hutter.
Noyes, Edwin A., Chevy Chase, Md., assignor of twenty-five per cent to S. K. Brown, Alexandria, and twenty-five per cent to F. G. Campbell, Arlington County, Va. Electrical connector. 2,507,417, May 9.
Noyes, Harry A., Watertown, Mass. Frozen food improvements. 2,504,869, Apr. 18.
Noyes, Harry A., Watertown, Mass. Airblast quick freezing of foodstuffs. 2,506,099, May 2.
Noyes, Hazlehurst R., Los Angeles, Calif. Computing device. 2,507,173, May 9.
Noyes, Howard, Dayton, Ohio. Bladder type tank or cell. 2,519,393, Aug. 22.
Noyes, Howard, Dayton, Ohio. Fillercap and adapter for liquid containers. 2,524,823, Oct. 10.
Nuenemann, Wallace D., assignor to S. F. Gelb, Brooklyn, N. Y. Nonreturn flow valve. 2,516,247, July 25.
Nuffer, Joseph H., assignor to Air-Way Electric Appliance Corporation, Toledo, Ohio. Dust collecting bag for suction cleaners. 2,532,933, Dec. 5.
Nugent, Byron, assignee: *See*—
Small, Frank S.
Nugent, Eugene J., Seattle, Wash., assignor to California Container Corporation, Emeryville, Calif. Box. 2,514,587, July 11.
Nugent, Wm. W., & Co., Inc., assignee: *See*—
Dahl, Hilmer.
Nugey, Anthony L., Rahway, assignor to Dri-Fast Process Corp., New Brunswick, N. J. Compression spring for press recoil mechanisms. 2,509,274, May 30.
Nukanen, Ernest, New York, N. Y. Extensible buckle. 2,512,466, June 20.
Null, Fay E., Dayton, Ohio. Stabilized vertical pendulum. 2,511,869, June 20.
Nulph, Chauncey J., Weott, Calif. Spray head. 2,526,265, Oct. 17.
Numo Machine and Engineering Company, assignee: *See*—
Culbreath, Ernest F.
Numsen, Phalen H., and F. A. Barnes, Missoula, Mont. Fish gate. 2,498,341, Feb. 21.
Nunlist, Frank J., Jr.: *See*—
Hill, Napoleon E., Ress and Nunlist, Jr.
Nunn, George W., Surrey, England. Platen actuating and ribbon feed mechanism for stenographic machines. 2,523,587, Sept. 26.
Nunn, Leslie G., Jr., Tulsa, Okla., assignor to Standard Oil Development Company. Corrosion prevention. 2,514,508, July 11.
Nuodex Products Co., Inc., assignee: *See*—
Goll, Milton.
Minich, Arthur.
Nowak, Milton.
Nu-Plast Binding Co., Inc., assignee: *See*—
Freundlich, Albert.
Nupp, Warren D., Drexel Hill, Pa. Radio receiver ignition interference tester. 2,499,410, Mar. 7.
Nuproducts Corporation, assignee: *See*—
Smith, Roland L.
Nurkiewicz, Ignatius, Brooklyn, N. Y., assignor to Stop-Fire Inc. Fire extinguisher holder. 2,499,672, Mar. 7.
Nurkiewicz, Ignatius, Brooklyn, N. Y. Fire extinguisher. 2,530,583, Nov. 21.
Nurkiewicz, Ignatius, assignor to Stop-Fire, Inc., Brooklyn, N. Y. Fire extinguisher. 2,533,685, Dec. 12.
Nurnberg, John, Wilmington, Del., assignor to Continental Can Company, Inc., New York, N. Y. Crown cap counting machine. 2,515,965, July 18.
Nusign Electric Limited, assignee: *See*—
Yates, Harold R.
Nussbaum, Jules G., assignor to Hydro Mecanique, Toulouse, France. Turbine. 2,518,925, Aug. 15.
Nussbaum, Leon, London, England. Rotary drilling tool. 2,511,991, June 20.
Nussbaum, Otto J., assignor to Kramer Trenton Company, Trenton, N. J. Defrosting system for refrigerating apparatus. 2,530,440, Nov. 21.
Nussbaum, William, New York, N. Y. Beautician's tray. 2,533,893, Dec. 12.
Nusser, John F., assignee: *See*—
Secrest, Hoyle D.
Nu-Tangs Inc., assignee: *See*—
Metz, James.
Nuttall, James W.: *See*—
Morse, Rupert O., and Nuttall.
Nutter, Ervin J., Dayton, Ohio. Grid spray nozzle. 2,493,017, Jan. 3.
Nutting, Eugene G., Jr., and D. M. Peppard, assignors to Wyandotte Chemicals Corporation, Wyandotte, Mich. Solution strength control device. 2,500,042, Mar. 7.
Nyberg, Curt E., Chicago, and R. T. Larson, Park Ridge, assignors, by mesne assignments, to Imagineering Corporation, Chicago, Ill. Ladder. 2,510,515, June 6.
Nyberg, Harry K., assignee: *See*—
Knox, Willard D.
Nydegger, Paul F., Westfield, and J. L. Huey, assignors to The Singer Manufacturing Company, Elizabeth, N. J. Stand for tierable stock boxes. 2,503,208, Apr. 4.
Nyden, Robert, Manhasset, and H. K. Dickerman, assignors to F. N. Burt Company, Inc., Buffalo, N. Y. Self-closing powder can. 2,501,735, Mar. 28.
Nyden, Robert, Manhasset, and H. K. Dickerman, assignors to F. N. Burt Company, Inc., Buffalo, N. Y. Sifter closure for powder boxes. 2,526,397, Oct. 17.
Nye, Harry E.: *See*—
Nye, Maurice E. and H. E.
Nye, Maurice E. and H. E., Barberton, Ohio, assignors to The Nye Rubber Company. Apparatus for molding plastic material. 2,531,888, Nov. 28.
Nye, Robert G., San Diego, Calif. Direct coupled balanced amplifier. 2,531,458, Nov. 28.
Nye, Robert G., and L. T. Apple, San Diege, Calif., assignors to the United States of America as represented by the Secretary of the Navy. Recognition trainer. 2,514,289, July 4.
Nye Rubber Company, The, assignee: *See*—
Nye, Maurice E. and H. E.
Nye-Wait Company, Inc., assignee: *See*—
Bryant, Leslie E.
Nygaard, Edwin M.: *See*—
Bishop, Richard B., Denton, and Nygaard.
Nygard, Halvard, Madison, Wis. Sacking device 2,504,572, Apr. 18.
Nygren, Carl: *See*—
Marshall, Joseph K., and Nygren.
Nygren, Charles E., assignor to Globe-Union Inc., Milwaukee, Wis. Selector switch. 2,503,885, Apr. 11.
Nylock Corporation, The, assignee: *See*—
Lovell, Robert.
Nyquist, Arthur S.: *See*—
Kropa, Edward L., and Nyquist.
Kropa, Edward L., Craig, and Nyquist.
Nyquist, Arthur S., Cos Cob, and E. L. Kropa, Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Unsaturated alkyd reacted with unsaturated isocyanate. 2,503,209, Apr. 4.
Nystrom, Axel C., Rutherford, and W. J. Volckhausen, Teaneck, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Strand twisting device. 2,493,825, Jan. 10.
Nystrom, Karl F., Nashotah, and V. L. Green, Milwaukee, Wis. Railway car truck. 2,509,694, May 30.
Nystrom, Karl F., Nashotah, and V. L. Green, Milwaukee, Wis. Railway car brake and slack take-up system. 2,514,588, July 11.
Nystrom, Karl T., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Railway car coupler support. 2,509,988, May 30
Nystrom, Karl T., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Cushioning and centering device for railway car couplers. 2,529,626, Nov. 14.
Nystul, Orville C., Fargo, N. Dak. Air pressure responsive switch. 2,523,967, Sept. 26.
O. K. Clutch and Machinery Company, assignee: *See*—
Druschel, Henry.
O. K. Tool Company, The, a division of Aerodynamic Research Corporation, assignee: *See*—
Reaney, Ernest.
OPW Corporation, assignee: *See*—
Payne, Amos O.
Oak Mfg. Co., assignee: *See*—
Faulkner, Willard J.
Weber, Luther J.
Williams, John H.
Oakes, Arthur A.: *See*—
Tate, William L., and Oakes.
Oakes, Edwin C., Preston, England. Hydraulic control system. 2,526,039, Oct. 17.
Oakes, George W., Crystal City, Mo. Fountain pen filling device. 2,494,518, Jan. 10.
Oakes, George W., Crystal City, Mo. Fountain pen filling device. 2,531,525, Nov. 28.
Oakes, John J., Chinchilla, Pa. Boiler structure. 2,494,140, Jan. 10.

Oakes, Nathan W., assignor of five per cent to H. W. Peters, Cleveland, Ohio, and five per cent to P. H. Hume, Washington, D. C. Oscillating drive mechanism. 2,498,293, Feb. 21.

Oakhill, Frederic E., Wilmette, assignor to Prismacolor, Inc., Chicago. Ill. Film feeding presser. 2,509,650, May 30.

Oakhill, Frederic E., Wilmette, assignor to Prismacolor, Inc., Chicago, Ill. Film printing machine. 2,515,420, July 18.

Oakite Products Inc., assignee: *See*—
Dodd, Sidney R., and Ayres.

Oakley, Howard T.: *See*—
Carlson, Carl S., and Oakley.

Oaks, Orion O., Summit, N. J., assignor, by mesne assignments, to Thermal Liquids, Inc., New York, N. Y. Oven. 2,495,126, Jan. 17.

Oaks, Orion O., Summit, N. J., assignor, by mesne assignments, to Thermal Liquids, Inc., New York, N. Y. System for obtaining and maintaining operating temperatures of internal-combustion engines. 2,507,643, May 16.

Oaks, Orion O., Summit, N. J., assignor, by mesne assignments, to Thermal Liquids, Inc., New York, N. Y. Snap acting electric switch. 2,509,311, May 30.

Oaks, Orion O., Summit, N. J., assignor, by mesne assignments, to Thermal Liquids, Inc., New York, N. Y. Heating mold. 2,514,718, July 11.

Oaks, Orion O., Summit, N. J., assignor, by mesne assignments, to Thermal Liquids, Inc., New York, N. Y. Cooling system for internal-combustion engines. 2,519,692, Aug. 22.

Oaks, Orion O., Summit, N. J., assignor, by mesne assignments, to Thermal Liquids, Inc., New York, N. Y. Cooling system. 2,526,398, Oct. 17.

Oaks, Vern G., Superior, Wis. Welder's ear guard. 2,532,852, Dec. 5.

Oates, Norford L., assignor to Smith Cannery Machines Company, Seattle, Wash. Positive fish-positioning means for feeder tables. 2,507,808, May 16.

Oates, Norford L., assignor to Smith Cannery Machines Company, Seattle, Wash. Fish locating means for feeder tables. 2,507,809, May 16.

Oates, Norford L., assignor to Smith Cannery Machines Company, Seattle, Wash. Fish locating means for feeder tables. 2,507,810, May 16.

Oates, Norford L., assignor to Smith Cannery Machines Company, Seattle, Wash. Fish cleaning knife. 2,526,150, Oct. 17.

Oatis, Henry O., and R. F. Yantis, Dallas, Tex. Display counter top. 2,534,620, Dec. 19.

Obedin, Nathan, Brooklyn, N. Y. Cloth laying-up machine. 2,508,684. May 23.

Oberding, Harold J., Gary, Ind., assignor to Universal Oil Products Company, Chicago, Ill. Electric moisture-temperature device. 2,494,628, Jan. 17.

Oberdorfer, Betty: *See*—
Newman, Betty O.

Oberfell, George G., and R. C. Alden, Bartlesville, Okla., assignors to Phillips Petroleum Company. Treatment and transportation of hydrocarbons. 2,526,966, Oct. 24.

Oberg, Johan A., Worcester, Mass. Tip-up fishing apparatus. 2,502,231, Mar. 28.

Obergfell, Amanda, executrix: *See*—
Obergfell, Herbert F.

Obergfell, Herbert F., deceased, late of River Forest, Ill., by A. Obergfell, executrix, River Forest, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Substation locking apparatus. 2,494,449, Jan. 10.

Obergfell, Herbert F., deceased, late of River Forest, Ill., by A. Obergfell, executrix, River Forest, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Universal telephone instrument. 2,494,450, Jan. 10.

Oberhansly, Keith B.: *See*—
Donalson, Joe W., and Oberhansly.

Oberheim, Jacob, New York, N. Y. Safety razor. 2,502,585, Apr. 4.

Oberholtz, Anthony, assignee: *See*—
Moeller, George J.

Oberholtz, Anthony, Los Angeles, and G. J. Moeller, Altadena, Calif.; said Moeller assignor to said Oberholtz. Circulating electric heater. 2,528,774, Nov. 7.

Oberholtzer, Albert L., assignor to Scott & Williams, Incorporated, Laconia, N. H. Knitting machine. 2,506,968, May 9.

Oberholtzer, Grant E., Fitchburg, Mass. Casting float for rods and reels. 2,529,179, Nov. 7.

Oberholtzer, John H., Harrisburg, Pa. Steam boiler. 2,529,044, Nov. 7.

Oberholtzer, John M., Los Angeles, Calif., assignor to North American Aviation, Inc. Impact dynamometer. 2,499,033, Feb. 28.

Oberman, Roelof M. M., The Hague, Netherlands. Circuit arrangement for a subscriber's set of a telegraph system. 2,535,652, Dec. 26.

Obermander Machine, Inc., assignee: *See*—
Raypholtz, Kenneth A.

Obermann, Anton P. R., Santpoort, and R. W. H. Obermann, Bloemendaal, assignors, by mesne assignments, to N. V. Chemische Industrie "Rids," Haarlem, Netherlands. Device for making strings of pressed articles. 2,534,678, Dec. 19.

Obermann, Richard W. H.: *See*—
Obermann, Anton P. R. and R. W. H.

Obermayer, S., Co., The, assignee: *See*—
McGowan, Donald J., Haller, and Hebberd.

Oberreit, Dietrich: *See*—
Dulken, Charles F., Oberreit, and Sonntag.

Oberright, Edward A., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Mineral oil composition. 2,498,961, Feb. 28.

Oberstar, Edward C., Ottawa, Ill., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Apparatus for turning glass sheets. 2,531,640, Nov. 28.

Obert, Maximilian J., North Mechantville, and E. L. Clark, Collingswood, N. J., assignors to Radio Corporation of America. Electrical transformer. 2,500,766, Mar. 14.

Oberto, William T., Denver, Colo. Mandible cushion for oxygen masks. 2,521,084, Sept. 5.

Obie, Ann Y., assignee: *See*—
Browning, John W., and Adams.

Obie, Edwin, assignee: *See*—
Browning, John W., and Adams.

Oblad, Alex G.: *See*—
Fontana, Celeste M., Oblad, and Kidder.

Oblinger, Leroy I.: *See*—
Smith, David C., and Oblinger.

O'Brien, Brian, Rochester, N. Y. Aspheric contouring machine. 2,506,734, May 9.

O'Brien, Brian, Pittsford, and H. W. French, Jr., Brighton, N. Y. Antioscillation mounting for optical instruments such as telescopes, cameras and the like. 2,518,632, Aug. 15.

O'Brien, Don C., Cœur d'Alene, Idaho. Electric hot-water tank attachment. 2,497,184, Feb. 14.

O'Brien, Eugene, Philadelphia, Pa. Projection key decoding and testing device. 2,510,998. June 13.

O'Brien, Eugene, United States Navy. Combined permutation and auxiliary lock for safes. 2,494,575, Jan. 17.

O'Brien, Frederick L.: *See*—
D'Humy, Fernand E., Corwith, Parrott, and O'Brien.

O'Brien, Harold G.: *See*—
Hance, Robert T., and O'Brien, Jr.
Havenhill, Robert S., and O'Brien.

O'Brien, James E., Baltimore, Md., assignor to Bethlehem Steel Company. Method and apparatus for cooling rods. 2,516,248, July 25.

O'Brien, James E., Cleveland, Ohio. Locomotive tender watering device. 2,503,631, Apr. 11.

O'Brien, James J., Baltimore, Md., assignor to The Glidden Company, Cleveland, Ohio. Preparing sulfidic pigments. 2,500,958, Mar. 21.

O'Brien, James J., Baltimore, Md., assignor to The Glidden Company, Cleveland, Ohio. Treating process for cadmium pigments. 2,504,147, Apr. 18.

O'Brien, James J., Baltimore, Md., assignor to The Glidden Company, Cleveland, Ohio. Preparing cadmium sulfide and cadmium sulfoselenide pigments. 2,517,594, Aug. 8.

O'Brien, John C., assignor to General Railway Signal Company, Rochester, N. Y. By-pass condenser structure for radio amplifiers. 2,513,249, June 27.

O'Brien, John C., assignor to General Railway Signal Company, Rochester, N. Y. Negative resistance coupling device. 2,515,663, July 18.

O'Brien, John C., assignor to General Railway Signal Company, Rochester, N. Y. Electronic translating device. 2,522,055, Sept. 12.

O'Brien, John C., Rochester, and R. B. Haner, Scottsville, assignors to General Railway Signal Company, Rochester, N. Y. Radio communication system. 2,512,530, June 20.

O'Brien, John R., West Hempstead, N. Y. Plural valve plumbing fixture. 2,498,219, Feb. 21.

O'Brien, Joseph F.: *See*—
Keith, Claude D., O'Brien, and Madson.

O'Brien, Joseph F., Lebanon, N. J., assignor to John B. Pierce Foundation, New York, N. Y. Electrical receptacle with cord cap retainer. 2,515,257, July 18.

O'Brien, Joseph F., Lebanon, and E. S. Boynton, East Orange, N. J., assignors to John B. Pierce Foundation, New York, N. Y. Electrical interconnection device. 2,495,279, Jan. 24.

O'Brien, Joseph F., Lebanon, and E. S. Boynton, East Orange, N. J., assignors to John B. Pierce Foundation, New York, N. Y. Composite electrical conductor strip. 2,495,280, Jan. 24.

O'Brien, Joseph F., Lebanon, and E. S. Boynton, East Orange, N. J., assignors to John B. Pierce Foundation, New York, N. Y. Electrical conduit wiring system. 2,515,255, July 18.

O'Brien, Joseph F., Lebanon, and E. S. Boynton, East Orange, N. J., assignors to John B. Pierce Foundation, New York, N. Y. Electrical outlet receptacle device. 2,515,256, July 18.

O'Brien, Joseph F., Lebanon, and J. B. Cataldo, Annandale, N. J., assignors to John B. Pierce Foundation, New York, N. Y. Electromagnet with split core armature. 2,515,258, July 18.

O'Brien, Joseph F., Lebanon, and J. B. Cataldo, Annandale, N. J., assignors to John B. Pierce Foundation, New York, N. Y. Plural armature plunger type electromagnet. 2,515,259, July 18.

O'Brien, Joseph F., Lebanon, and L. G. Morten, Teaneck, N. J., assignors to John B. Pierce Foundation, New York, N. Y. Outlet unit assembly. 2,517,593, Aug. 8.

O'Brien, Joseph F., Lebanon, and E. S. Boynton, East Orange, N. J., assignors to John B. Pierce Foundation, New York, N. Y. Feed unit for electrical wiring systems. 2,524,071, Oct. 3.
O'Brien, Joseph F., Lebanon, and E. S. Boynton, East Orange, N. J., assignors to John B. Pierce Foundation, New York, N. Y. Snap spring operated switch. 2,535,090, Dec. 26.
O'Brien, Nellie B., Marshall, Mich. Truss. 2,522,056, Sept. 12.
O'Brien, Vincent R., St. Paul, Minn. Sink with garbage disposal means. 2,498,502, Feb. 21.
O'Brien, Vincent R., St. Paul, Minn. Sink with garbage disposal means. 2,524,204, Oct. 3.
O'Brien, Wilbur J., assignor to Balcrank Incorporated, Cincinnati, Ohio. Liquid dispenser with open valve latching means. 2,526,040, Oct. 17.
O'Brien, William J., assignor to The Decca Record Company, Limited, London, England. Dynamoelectric machine structure. 2,499,326, Feb. 28.
O'Brien, William J., assignor to The Decca Record Company, Limited, London, England. Multiple channel radio-frequency receiver. 2,500,200, Mar. 14.
O'Brien, William J., assignor to The Decca Record Company Limited, London, England. Phonograph pickup having permanent magnet armature. 2,501,233, Mar. 21.
O'Brien, William J., assignor to The Decca Record Company, Limited, London, England. Radio-frequency navigation system. 2,503,836, Apr. 11.
O'Brien, William J., assignor to The Decca Record Company, Limited, London, England. Radio beacon receiver. 2,504,573, Apr. 18.
O'Brien, William J., and D. H. Toller-Bond, assignors to The Decca Record Company, Limited, London, England. Aerial system. 2,508,648, May 23.
O'Brien, William J., London, England, assignor, by mesne assignments, to Signal Tuned Radio Corporation, Chicago, Ill. Tuning means for radio receivers. 2,526,266, Oct. 17.
O'Brien, William J., assignor to The Decca Record Company, Limited, London, England. Automatic volume control circuit. 2,527,441, Oct. 24.
O'Brien, William J., assignor to The Decca Record Company, Limited, London, England. Receiving apparatus for radio-frequency navigation systems. 2,530,902, Nov. 21.
O'Brien, William J., London, England. Navigation system. 2,530,903, Nov. 21.
O'Brien, William J., assignor to The Decca Record Company, Limited, London, England. Radio direction indicating device. 2,531,918, Nov. 28.
O'Brien, William J., assignor to The Decca Record Company, Limited, London, England. Radio-frequency navigational aid. 2,531,919, Nov. 28.
O'Brien, William J., assignor to The Decca Record Company, Limited, London, England. Signal generator. 2,524,677, Oct. 3.
O'Brien, Willis H., assignor to E. Nassour, Los Angeles, Calif. Producing motion pictures. 2,501,958, Mar. 28.
Obrist, Heinrich, assignor to Escher Wyss Maschinenfabriken Aktiengesellschaft, Zurich, Switzerland. Hydraulically controlled variable pitch propeller. 2,523,053, Sept. 19.
O'Bryan, Earl J., and D. Bell, Detroit, Mich. Weight shelf. 2,518,053, Aug. 8.
Obst, Frederick L.: *See*—
Van Pietersom, Harold M., and Obst.
Obszarny, Theodore J.: *See*—
Nelsen, Marvin G., and Obszarny.
Och, Henry G.: *See*—
Boghosian, William H., Darlington, and Och.
Ocheltree, Arthur L., New York, N. Y. Valve construction and control. 2,496,635, Feb. 7.
Ochs, John D.: *See*—
McLaughlin, Carl B., Ochs, and Redmon.
O'Connell, Donald J., assignor to C. A. Makowski, Milwaukee, Wis. Injection system and apparatus therefor. 2,535,752, Dec. 26.
O'Connell, Robert F.: *See*—
Miller, Alvin D., and O'Connell.
O'Connor, Andrew L., Jr., Grosse Ile, Mich., assignor to the United States of America as represented by the Secretary of the Air Force. Gunnery training device. 2,512,256, June 20.
O'Connor, Arthur F., Chicago, Ill. Writing instrument. 2,499,771, Mar. 7.
O'Connor, Arthur F., assignor to Union Asbestos & Rubber Company, Chicago, Ill. Liner for car walls. 2,517,699, Aug. 8.
O'Connor, Arthur F., Chicago, Ill., assignor to Union Asbestos & Rubber Company. Spring device. 2,523,479, Sept. 26.
O'Connor, Arthur F., Chicago, Ill., assignor to Union Asbestos & Rubber Company. Power take-off. 2,528,285, Oct. 31.
O'Connor, Arthur F., Chicago, Ill., assignor to Union Asbestos & Rubber Company. Spring device. 2,530,072, Nov. 14.
O'Connor, Bernard E.: *See*—
Magrum, Gervase M., and O'Connor.
O'Connor, Bernard E., Buffalo, N. Y., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Crankshaft damper. 2,514,136, July 4.
O'Connor, Bernard E., Buffalo, N. Y., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Viscous rotary damper structure. 2,514,137, July 4.
O'Connor, Bernard E., Buffalo, N. Y., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Vibration damper. 2,514,138, July 4.
O'Connor, Bernard E., Buffalo, N. Y., assignor to Houdaille-Hershey Corporation. Detroit, Mich. Torsional vibration damper. 2,514,139, July 4.
O'Connor, Bernard E., Buffalo, N. Y., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Combination linear and rotary vibration damper. 2,514,140, July 4.
O'Connor, John B., assignor to Lyon Metal Products, Incorporated, Aurora, Ill. Ironing table with foldable legs. 2,493,018, Jan. 3.
O'Connor, John B., assignor to Lyon Metal Products, Incorporated, Aurora, Ill. Metal chair construction. 2,509,107, May 23.
O'Connor, John C., Dayton, Ohio, assignor to The O'Connor Patent Company, Ann Arbor, Mich. Vibratory dump truck. 2,500,293, Mar. 14.
O'Connor, John T.: *See*—
Hoffman, Manfred T., and O'Connor.
O'Connor Patent Company, The, assignee: *See*—
O'Connor, John C.
O'Connor, Ward F.: *See*—
Schutte, August H., and O'Connor.
O'Connor, William, Philadelphia, Pa. Antiskid tire chain and device for attaching same. 2,500,373, Mar. 14.
Oczkowski, Constantine L., Chicago, Ill. Basketball toy. 2,535,225, Dec. 26.
O'Day, Cortland N., Port Washington, assignor to Air Devices, Inc., New York, N. Y. Air filtering media. 2,493,726, Jan. 3.
O'Dea, Augustine M., Van Nuys, Calif. Emergency wheel for vehicles. 2,502,060, Mar. 28.
O'Dea, Dorothy L., Los Angeles, Calif., assignor to Radio Corporation of America. Magnetic record reproducing system. 2,509,780, May 30.
Odegaard, John, Brooklyn, N. Y. Cable or wire plastic securing device. 2,527,442, Oct. 24.
Odell, Malcolm P., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electric temperature sensing device. 2,493,311, Jan. 3.
Odell, William W., Washington, D. C. Process and apparatus for making combustible gas. 2,494,576, Jan. 17.
Odell, William W., Washington, D. C. Promoting reactions in a fluidized bed comprising a plurality of catalysts. 2,503,291, Apr. 11.
Odin Corporation, assignee: *See*—
Bukliet, Leander J.
Svenson, Ernest J.
Odin, Eugene, assignor to Arma Corporation, Brooklyn, N. Y. Maneuverable target simulating apparatus for ordnance training. 2,501,350, Mar. 21.
Odin, Eugene A., Chicago, Ill. Telescopic joint. 2,517,700, Aug. 8.
O'Donnel, William E., deceased, Wilmington, Del., and R. W. Garey, Baltimore, Md.: M. L. Preston, executrix of said W. E. O'Donnel. Pulling machine. 2,512,370, June 20.
O'Donnell, Daniel, assignee: *See*—
Hansen, Bruno.
O'Donnell, James F., Disputanta, Va. Packless self-sealing cock valve. 2,505,138, Apr. 25.
O'Donnell, James M., Forest, Calif. Bridle bit. 2,517,338, Aug. 1.
O'Donnell, John W., Chicago, Ill. Power hammer ram guide. 2,504,347, Apr. 18.
O'Drago, Patrick, Detroit, Mich. Frameless window screen. 2,502,665, Apr. 4.
Odum, Clyde G., Punta Gorda, Fla. Fender mounted directional signal box. 2,518,054, Aug. 8.
O'Dwyer, Robert E., assignor to J. A. Folger & Co., Kansas City, Mo. Jogging assembly for packaging machines. 2,523,540, Sept. 26.
Oechsner, John G., El Paso, Tex. Battery protector. 2,507,811, May 16.
Oehler, Alvin W., assignor to Deere & Company, Moline, Ill. Harvesting mechanism. 2,529,180, Nov. 7.
Oelfke, Floyd L.: *See*—
Horstman, Richard L., and Oelfke.
Oelfke, Floyd L., and R. L. Horstman, Kansas City, Mo. Form for building cementitious walls. 2,493,826, Jan. 10.
Oelkers, Alfred H., New Braunfels, Tex., assignor to American Steel Foundries, Chicago, Ill. Snubbed bolster truck. 2,501,081, Mar. 21.
Oelkers, Alfred H., New Braunfels, Tex., assignor to American Steel Foundries, Chicago, Ill. Brake. 2,508,336, May 16.
Oelkers, Alfred H., New Braunfels, Tex., assignor to American Steel Foundries, Chicago, Ill. Wheel. 2,533,176, Dec. 5.
Oen, Francis F., Denver, Colo. Fishing reel. 2,512,170, June 20.
Oerman, Orey W., assignor to Deere & Company, Moline, Ill. Plow hitch. 2,495,818, Jan. 31.
Oerman, Orey W., assignor to Deere & Company, Moline, Ill. Disk plow. 2,512,962, June 27.
Oerman, Orey W., and J. Peterson, assignors to Deere & Company, Moline, Ill. Plow lift mechanism. 2,519,497, Aug. 22.

Oesterlein, Fritz: *See*—
Felix, Friedrich, Heckendorn, Reich and Oesterlein.

Oesterlein, William J., Wauwatosa, assignor to Harnischfeger Corporation, Milwaukee, Wis. Welding transformer. 2,519,784, Aug. 22.

Oestermeyer, Carl F.: *See*—
Donkin, William F., and Oestermeyer.

Oestreicher, Sol, assignor to Harnischfeger Corporation, Milwaukee, Wis. Variable output transformer. 2,535,154, Dec. 26.

Oeth, Earl W., assignor of one-third to R. A. Oeth, Evansville, Ind. Trailer for boat handling. 2,525,715, Oct. 10.

Oeth, Earl W., assignor of one-third to R. A. Oeth, Evansville, Ind. Trailer for boat handling. 2,529,849, Nov. 14.

Oeth, Ruby A., assignee: *See*—
Oeth, Earl W.

Oettinger, Henry, Jr., Forest Hills, assignor to Electrographic Corporation, New York, N. Y. Plate curving process. 2,517,701, Aug. 8.

Oetzel, John G., Beloit, Wis., assignor to Warner Electric Brake Manufacturing Company, South Beloit, Ill. Friction brake anchor construction. 2,501,959, Mar. 28.

Oetzel, John G., Beloit, Wis., assignor to Warner Electric Brake Manufacturing Company, South Beloit, Ill. Electromagnetic friction device. 2,507,573, May 16.

Oetzel, John G., Beloit, Wis., assignor to Warner Electric Brake Manufacturing Company, South Beloit, Ill. Electrodynamic brake for automotive vehicles. 2,516,903, Aug. 1.

Oetzel, John G., Beloit, Wis., assignor to Warner Electric Brake Manufacturing Company, South Beloit, Ill. Control for vehicle braking systems. 2,516,904, Aug. 1.

Ofeldt, August W., Hackensack, assignor to Bendix Aviation Corporation, Teterboro, N. J. Clutch control. 2,530,904, Nov. 21.

Ofeldt, Frank W., Carnot, assignor to Homestead Valve Manufacturing Company, Coraopolis, Pa. Spraying machine. 2,515,792, July 18.

Ofeldt, Frank W., Carnot, assignor to Homestead Valve Manufacturing Company, Coraopolis, Pa. Pressure atomizing liquid fuel burning system. 2,515,929, July 18.

Ofelt, Chester W.: *See*—
Evans, Cyril D., Ofelt, and Smith.

Offen, Bernard, Chicago, Ill. Apparatus for drying webs. 2,532,032, Nov. 28.

Offenhauer, Charles M., Niagara Falls, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Trough for use in alloying metals. 2,519,593, Aug. 22.

Office National d'Etudes et de Recherches Aeronautiques (O. N. E. R. A.), assignee: *See*—
Dumanois, Emile P., and Poincare.

Office of Scientific Research and Development, United States of America as represented by the Director of, assignee: *See*—
Brown, Arling D., Jr.
Entz, Ferdinand S., Pullis, and Stibitz.
Hickman, Clarence N.
Morrow, Charles T.
Roberts, George A.
Schlesinger, Hermann I., and Brown.
Stodola, Frank H., Wachtel and Coghill.
Veneklasen, Paul S.
Wallace, Robert L., Jr.

Office Technique International (O. T. I.), assignee: *See*—
Vandier, Jacques.

Officer, Wesley J.: *See*—
Garland, Edward J., and Officer.

Officine Lombarde Apparecchi di Precisione O. L. A. P., della Siemens Societa per Azioni, assignee: *See*—
Dal Monte, Giorgio.

Offner, Franklin, Chicago, Ill. Locating device. 2,517,702, Aug. 8.

Offner, Franklin F., Chicago, Ill. Synchronizing apparatus. 2,517,703, Aug. 8.

Offinger, Martin W.: *See*—
Ma, Chuk C., and Offinger.

Offinger, Martin W., Montclair, N. J., and T. H. Gray, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Lined metal tube and manufacture. 2,508,465, May 23.

Offutt, Elmer B., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control device. 2,520,370, Aug. 29.

Offutt, John W., Ellwood City, Pa., assignor to National Tube Company. Mandrel positioning device for tube mills and the like. 2,535,949, Dec. 26.

Offutt, William C., Oakmont, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Manufacture of isobutylene. Re. 23,254, Aug. 15.

Offutt, William C., Oakmont, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Manufacture of isobutylene. 2,498,999, Feb. 28.

Offutt, William C., M. C. Fogle, and R. W. Helwig, Oakmont, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Process and apparatus for effecting chemical reactions. 2,517,339, Aug. 1.

O'Flaherty, Michael, Ontario, Calif. Molding concrete structures by means of collapsible tubular forms. 2,505,426, Apr. 25.

Ogburn, Herbert H., assignee: *See*—
Cox, Truitt V.

Ogden, Floyd H., Arlington, Mass. Machine for sewing buffing wheels. 2,521,085, Sept. 5.

Ogden, Floyd H., Arlington, assignor to Dennison Manufacturing Company, Framingham, Mass. Strip ticket and making and applying the same. 2,532,459, Dec. 5.

Ogden, Guy G., assignee: *See*—
Ogden, John G.

Ogden, Harold S., Erie, Pa., assignor to General Electric Company. Protective system for dynamoelectric machines. 2,497,684, Feb. 14.

Ogden, James E.: *See*—
Wahl, Lorenz R., and Ogden.

Ogden, John G., Philadelphia, Pa., assignor to G. G. Ogden. Clutch. 2,501,648, Mar. 21.

Ogden, Thomas V., Santa Ana, Calif. Hole locator. 2,528,775, Nov. 7.

Ogden, William L. W., Baltimore, and R. P. Bennett, Glenarm, Md., assignors to Bendix Aviation Corporation, South Bend, Ind. Automatic release mechanism. 2,504,148, Apr. 18.

Ogg, Alvin W.: *See*—
Findley, Joseph D., Jr., Ogg and Florschutz.

Ogg, Rolla F., Eugene, Oreg. Stitchless billfold. 2,498,820, Feb. 28.

Ogle, Charles R., and P. B. Freeman, assignors to Electronic Rectifiers, Inc., Indianapolis, Ind. Electric current rectifying couple and forming same. 2,501,785, Mar. 28.

Ogorzaly, Henry J., Summit, N. J., assignor to Standard Oil Development Company. Oxygen separation. 2,500,136, Mar. 7.

Ogorzaly, Henry J., Summit, N. J., assignor to Standard Oil Development Company. Oxygen production. 2,516,717, July 25.

Ogorzaly, Henry J., Summit, N. J., assignor to Standard Oil Development Company. Oxygen separation. 2,521,400, Sept. 5.

Ogurkowski, Georges, Zug, Switzerland, assignor to Landis & Gyr, A. G. Protective system for condensers. 2,513,957, July 4.

Ohab, Stanley, New York, N. Y. Mute for string instruments. 2,495,343, Jan. 24.

O'Hagan, Bernard E., deceased, by C. O'Hagan, administratrix, Swissvale, and P. N. Martin, Penn Township, Allegheny County, assignors to The Union Switch and Signal Company, Swissvale, Pa. Coded signaling apparatus. 2,505,988, May 2.

O'Hagan, Clare, administratrix: *See*—
O'Hagan, Bernard E., and Martin.

O'Halloran, James, assignor to Anglo-Canadian Pulp and Paper Mills Limited, Quebec, Quebec, Canada. Water transportation of wood. 2,503,210, Apr. 4.

O'Halloran, Rosemary: *See*—
Morway, Arnold J., and O'Halloran.

O'Halloran, Rosemary, Elizabeth, N. J., assignor to Standard Oil Development Company. Lubricating grease containing paraffin wax. 2,534,053, Dec. 12.

O'Hara, Arthur E., Montreal, Quebec, Canada. Bathtub. 2,529,568, Nov. 14.

O'Hara, Jamie, Mexico City, Mexico. Press for molding tile. 2,517,340, Aug. 1.

O'Hara, Raymond J.: *See*—
Elliott, Stanley B., and O'Hara.

O'Hearn, Francis T., Lowell, assignor to Sylvania Electric Products Inc., Salem, Mass. Electric discharge lamp. 2,496,065, Jan. 31.

Ohio Boxboard Company, The, assignee: *See*—
Yarman, Paul J.

Ohio Brass Company, The, assignee: *See*—
Clark, William F.
Hoover, Herbert C.
Lewis, Warren J.
Mead, George A.
Rice, Seymour S.
Smith, Edward P.

Ohio Crankshaft Company, The, assignee: *See*—
Albertson, Meredith P., Jr.
Denneen, Francis S., and Dunn.
King, Stanley G.
Marquardt, Otto M., and Majeska.
Osborn, Harry B., Jr.
Schwan, Clarence F.
Somes, Howard E.
Strickland, Harold A., Jr.
Wadhams, James B.
Wadhams, James B., Sateren and Sikorski.
Warnick, Alan, and Kozarian.

Ohio Ferro Alloys Corporation, assignee: *See*—
Vignos, James C.

Ohio Injector Company of Illinois, The, assignee: *See*—
Edwards, Frank W.

Ohio Injector Company, The, assignee: *See*—
Allenbaugh, George G.

Ohio Rubber Company, The, assignee: *See*—
McWhorter, John F., and Rentschler.
Winegar, Edmund M., and Grover.

Ohio State University Research Foundation, assignee: *See*—
Wolfrom, Melville, L., and Binkley.
Wolfrom, Melville L., and Lew.

Ohio State University Research Foundation, The, assignee: *See*—
Bennett, Bailey, McFadden, and Lyman.
Gaver, Kenneth M.
Ohio Thermometer Company, The, assignee: *See*—
Chaney, Lee F.
Ohl, Russell S., Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical translating device. 2,503,837, Apr. 11.
Ohl, Russell S., Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric wave transmission. 2,522,395, Sept. 12.
Ohland, Fred H., Gibbon, Minn. Kite. 2,519,594, Aug. 22.
Ohlandt, Alex A., Sr., St. Louis County, Mo. Easel. 2,504,220, Apr. 18.
Ohlberger, Hans I. O.: *See*—
Johansson, Axel K., Lindblom, and Ohlberger.
Ohlhaver, Gerhard J., St. Clair Shores, Mich. Scooter. 2,513,199, June 27.
Ohlis, Julius J., assignee: *See*—
Myers, Morris.
Ohlsson, Folke E. H., assignor to Kocks Snickerifabriker A.-B., Malmo, Sweden. Lateral moving table leg fastener. 2,520,810, Aug. 29.
Ohlsson, Olof A., assignor to Aktiebolaget Cryptoteknik, Stockholm, Sweden. Rotary vaporizing type burner with carbon removal means. 2,535,316, Dec. 26.
Ohlund, Selfrid G., Enskede, assignor to Lumalampan Aktiebolag, Stockholm, Sweden. Electric discharge tube. 2,518,248, Aug. 8.
Ohman, Eric J., Anchorage, Alaska. Metal recovering machine. 2,534,294, Dec. 19.
Ohman, Herbert A., Geneva Heights, assignor to The Meyercord Co., Chicago, Ill. Radio dial. 2,496,488, Feb. 7.
Ohman, Nils, New York, and H. J. Veritch, Brooklyn, assignors to Interval Instruments, Inc., New York, N. Y. Variable frequency vibrator. 2,521,401, Sept. 5.
Ohman, Ray J.: *See*—
Moore, Edmond E., and Ohman.
Ohmega Laboratories, assignee: *See*—
Foster, Harry R.
Oil Center Tool Company, assignee: *See*—
Eckel, John E., and Jones.
Jones, Marvin R.
Penick, Arthur J.
Oilgear Company, The, assignee: *See*—
Douglas, James K.
Ellis, Charles G.
Ferris, Walter.
Oiljak Manufacturing Co., Inc., The, assignee: *See*—
Michaels, Maurice A.
Oil Well Chemical & Materials Company, assignee: *See*—
Self, Edward S.
Oil Well Supply Company, assignee: *See*—
Chenault, Roy L.
Jacoby, John W.
Keim, Charles J.
Maier, August R.
Maier, August R., and Redman.
Redman, William J.
Oishei, John R., assignor to Trico Products Corporation, Buffalo, N. Y. Combined fuel feeding and accessory system. 2,512,286, June 20.
Oishei, John R., assignor to Trico Products Corporation, Buffalo, N. Y. Secondary accessory motor utilized as suction storage tank for windshield wipers. 2,533,613, Dec. 12.
Oishei, John R., Buffalo, and A. Rappel, Eggertsville, assignors to Trico Products Corporation, Buffalo, N. Y. Accessory system operable from a fluctuating pressure source with a normally by-passed secondary source. 2,520,650, Aug. 29.
Oishei, John R., Buffalo, E. C. Horton, Hamburg, and A. C. Scinta, assignors to Trico Products Corporation, Buffalo, N. Y. Windshield cleaner. 2,531,889, Nov. 28.
Okadee Company, The, assignee: *See*—
Learned, Charles G., and Cull.
Okamoto, Yoshigusu, Waialua, T. H. Drop ball lottery machine. 2,525,716, Oct. 10.
O'Keefe and Merritt Company, assignee: *See*—
Brainard, Maurice W.
O'Keeffe, Michael, Bronx, N. Y. Spark producing mechanism. 2,526,151, Oct. 17.
O'Kelly, Arlie A.: *See*—
Meadow, Jacob R., and O'Kelly.
Okey, Perry, assignor to Perry-Lowell & Co., Columbus, Ohio. Lens grinding and polishing machine. 2,493,206, Jan. 3.
Okolicsanyi, Ferenc, Hampstead, London, England. Thermopile. 2,519,785, Aug. 22.
Okolicsanyi, Ferenc, London, England. Television. 2,532,511, Dec. 5.
Okonite-Callender Cable Company, The, assignee: *See*—
Bennett, Charles E.
Bennett, Charles E., and White.
Okonite-Callender Cable Company, Incorporated, The, assignee: *See*—
Bennett, Charles E.
Okonite Company, The, assignee: *See*—
Brown, Grover W.
Brown, Grover W., and Metz.
Lapsley, Rhea P.
Okrent, Jasper J., Great Neck, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Wave-signal receiver. 2,501,186, Mar. 21.
Okrent, Jasper J., Great Neck, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill. Superregenerative wave-signal translating system. 2,526,267, Oct. 17.
Okress, Ernest C., Montclair, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Magnetron output terminal. 2,530,171, Nov. 14.
Okress, Ernest C., Montclair, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Ultra high frequency generator. 2,530,172, Nov. 14.
Okress, Ernest C., Montclair, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Tuning means for magnetrons. 2,533,741, Dec. 12.
Okress, Ernest C., and I. E. Mouromtseff, Montclair, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Trapezoidal cavity magnetron. 2,520,955, Sept. 5.
Okress, Ernest C., Montclair, and L. W. Holmboe, East Orange, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Output connection for ultra high frequency devices. 2,526,399, Oct. 17.
Okulitch, George J., and I. Zozulin, assignors to Automatic Magnetic Agitators Ltd., Vancouver, British Columbia, Canada. Magnetic drive agitator. 2,506,886, May 9.
Okun, Edward, Bronx, assignor to American Folding Umbrella Company, Long Island City, N. Y. Umbrella. 2,510,597, June 6.
Okun, Nathaniel N., Far Rockaway, assignor, to Atlas Floor Surfacing Machinery Corp., New York, N. Y. Rotary brush. 2,517,915, Aug. 8.
Okuniew, Wolf, Buenos Aires, Argentina. Apparatus for recording the successive operations of a machine. 2,519,925, Aug. 22.
Olaer Patent Cy, assignee: *See*—
Audemar, Pierre.
Olah, George, Ealing, London, assignor to Precision Developments Company Limited, London, England. Cooling means for reduction gearing. 2,511,479, June 13.
Olan, Allan C., Niagara Falls, Ontario, Canada. Gas saving device. 2,535,449, Dec. 26.
Olander, Kemuel B., Minneapolis, Minn. Ironing table. 2,524,923, Oct. 10.
Olander, Roland J., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorbing mechanism. 2,504,275, Apr. 18.
Olander, Roland J., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorber for railway car trucks. 2,511,173, June 13.
Olander, Roland J., assignor to W. H. Miner, Inc., Chicago, Ill. Rotary bar door fastener. 2,516,336, July 25.
Olbrys, Leo, Hamtramck, Mich. Balance weight. 2,529,099, Nov. 7.
Olcott, Charles A., West Milford, N. J. Gate operating mechanism. 2,517,408, Aug. 1.
Olcott, Charles A., West Milford, N. J. Unloader arrangement for centrifugal separators. 2,517,409, Aug. 1.
Olcott, Charles A., West Milford, N. J. Suspended gyratory centrifugal. 2,524,678, Oct. 3.
Olcott, Harold S.: *See*—
Ferrel, Robert E., and Olcott.
Olcott, Harold S., and A. Mohammad, Berkeley, Calif., assignors to the United States of America as represented by the Secretary of Agriculture. Preparation of gluten phosphates. 2,513,351, July 4.
Oldak, Jacob M., Brooklyn, assignor to Niash Refining Company, New York, N. Y. Spring hinged clip. 2,503,167, Apr. 4.
Oldaker, Lawrence, Akron, Ohio. Fingernail file. 2,506,100, May 2.
Oldberg, Sidney, Birmingham, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio. Helical interengaging impellers blower. 2,530,173, Nov. 14.
Oldbury Electrochemical Company, assignee: *See*—
Brown, James H.
Old Dominion Box Company, assignee: *See*—
Hundley, Robert R.
Older, Lester B., Union City, N. J. Saliva ejecting device. 2,519,595, Aug. 22.
Oldfield, John C., Yakima, Wash. Watering device. 2,529,627, Nov. 14.
Oldham, John H., Fort Lauderdale, Fla. Needle threading device. 2,506,275, May 2.
Oldham & Son Limited, assignee: *See*—
Akroyd, Harold.
Holt, Harry.
Oldham, Samuel R.: *See*—
Jacobsson, Wilgot J., and Oldham.
Oldham, Samuel R., West Orange, W. J. Jacobsson, Plainfield, and J. A. Hoffman, Roselle, N. J., assignors to The Linde Air Products Company. Mask relief valve for oxygen breathing systems. 2,530,536, Nov. 21.
Oldofredi, Edgar C. V., New York, N. Y. Molding and decorating material. 2,510,999, June 13.
Oldofredi, Edgar C. V., New York, N. Y. Ornamenting sheet metal. 2,528,540, Nov. 7.
Oldroyd, Dorothy M.: *See*—
Goldblatt, Leo A., and Oldroyd.
Olds, Allan M., Los Angeles, Calif. Self-locking, sliding door track. 2,493,162, Jan. 3.

Olds, Ambrose D., assignor to The Coleman Lamp and Stove Company, Wichita, Kans. Air circulator control for heating units. 2,499,523, Mar. 7.

Olds, Charles H., Prince George, British Columbia, Canada. Bird trap. 2,526,826, Oct. 24.

Olds, Charles H., Prince George, British Columbia, Canada. Fur stretcher. 2,529,783, Nov. 14.

Old Town Ribbon & Carbon Co., Inc., of Mass., assignee: *See*—
Robinson, Grant R., and Trueman.

O'Leary, Andrew A., St. Paul, Minn. Cutting tool for pipe cleaning. 2,517,227, Aug. 1.

O'Leary, Arthur M., Oak Park, Ill. Coupling fixture for pneumatic tire wheels. 2,513,584, July 4.

O'Leary, Charles M., assignee: *See*—
Blair, John A.

O'Leary, Charles M., Los Angeles, Calif. Hydrokinetic brake. 2,498,572, Feb. 21.

O'Leary, Daniel K., Kennett Square, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilized milk products. 2,497,320, Feb. 14.

O'Leary, Evelyn T., assignee: *See*—
O'Leary, Thomas B.

O'Leary, George E., assignee: *See*—
Abrams, Victor R.

O'Leary, Russell, Wheeling, W. Va. Optical instrument having adjustable fluid prism means. 2,504,039, Apr. 11.

O'Leary, Thomas B., assignor to E. T. O'Leary, Miami, Fla. Toasted coconut chips and producing same. 2,503,763, Apr. 11.

Olejniczak, Stephen J., Detroit, Mich. Rule compass. 2,499,673, Mar. 7.

Oles, Herbert E., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Making iron cores. 2,510,598, June 6.

Olesky, Anthony P., assignor, by mesne assignments, to Belmont Radio Corporation, Chicago, Ill. Tuning indicator for radio receivers. 2,497,269, Feb. 14.

Oleson, Wrisley B., assignee: *See*—
Kraybill, Henry R., and Beadle.

Olin, Frank M., Indianapolis, Ind. Device for setting expansion screw bases in holes. 2,519,693, Aug. 22.

Olin Industries, Inc., assignee: *See*—
Berwick, John D.
Kopp, Walter R.
Krachenfels, Carl J.
Marshall, James E.
Martinez, John M., and Reinhardt.
Olsen, Fredrich.
Reinhardt, Otto K.
Williams, David M.
Woodring, William B.

Olin, John F.: *See*—
Davidson, John B., and Olin.

Olin, John F., Grosse Ile, Mich., assignor to Sharples Chemicals Inc., Philadelphia, Pa. Manufacture of 5-amino-1-pentanol and alkyl derivatives thereof. 2,516,337, July 25.

Olin, John F., Grosse Ile, Mich., assignor to Sharples Chemicals Inc., Philadelphia, Pa. Hydrocarbon oil lubricant containing di-tertiary-alkyl sulfides. 2,526,041, Oct. 17.

Olin, John F., Grosse Ile, and P. D. Morton, Wyandotte, Mich., assignors to Sharples Chemicals Inc. Condensation products of urea, monoalkyl urea, formaldehyde, and monohydric aliphatic alcohol. 2,529,784, Nov. 14.

Olinger, Robert: *See*—
Kennedy, Jesse J., and Olinger.

Olinger, Robert, La Salle, Ill., assignor to General Time Corporation, New York, N. Y. Motor testing apparatus. 2,509,743, May 30.

Olinger, William P., Toledo, Ohio. Combined fog lamp and head lamp. 2,502,880, Apr. 4.

Oliphant, Lester E.: *See*—
McKechnie, Ian C., Blue, and Oliphant.

Oliveau, John V., Mineola, N. Y., assignor to The Aerotec Corporation, Greenwich, Conn. Fluid pressure switch. 2,519,596, Aug. 22.

Oliveau, John V., Mineola, N. Y., assignor, by mesne assignments, to Cleveland-Detroit Corporation. Beverage dispensing device. 2,533,281, Dec. 12.

Oliver, Bernard M., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Dissector tube. 2,505,060, Apr. 25.

Oliver, Bernard M., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Phase inverter circuit. 2,505,061, Apr. 25.

Oliver, Bernard M., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Amplifier circuit having reactive load. 2,516,797, July 25.

Oliver, Bernard M., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Pulse-actuated circuit. 2,519,278, Aug. 15.

Oliver, Bernard M., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave transmission network. 2,521,125, Sept. 5.

Oliver, Bernard M., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Minimizing electron optical distortions in electron camera tubes. 2,535,810, Dec. 26.

Oliver, Bernard M., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Voltage divider circuit. 2,535,811, Dec. 26.

Oliver, Charles F.: *See*—
Taylor, Horace P., and Oliver.

Oliver, Charles L., Portsmouth, Va. Automatic control for steam boilers or tanks. 2,530,073, Nov. 14.

Oliver, Conrad J., Waukegan, and J. Kupski, assignors to The Chicago Hardware Foundry Company, North Chicago, Ill. Fastening means for telescoping tubular members. 2,523,513, Sept. 26.

Oliver Corporation, The, assignee: *See*—
Altgelt, Herman E.
Daniels, Lee C.

Oliver, Donald A., assignor to William Jessop & Sons Limited, Sheffield, England. Manufacturing permanent magnets. 2,504,870, Apr. 18.

Oliver, Edward M., and B. F. Malherbe, Denver, Colo. Combination detachable handle and can punch. 2,529,737, Nov. 14.

Oliver, Gilbert L., Terry, assignor of one-half to R. Overby, Brandon, Miss. Vent glass drain. 2,508,532, May 23.

Oliver, Herbert F., West Springfield, assignor to The F. W. Sickles Company, Chicopee, Mass. Securing device. Re. 23,286, Oct. 17.

Oliver, Jack: *See*—
Baird, William, Barr, Lowe, and Oliver.

Oliver, Jason D., McNeal, Ariz. Brush and root cutter. 2,508,284, May 16.

Oliver, Lockwood, Hudson, assignor to Bardons and Oliver, Inc., Cleveland, Ohio. Centrifugally operated mechanism. 2,500,562, Mar. 14.

Oliver Machinery Company, assignee: *See*—
Caldwell, Harry F.

Oliver, Mariano: *See*—
Rousseau, Wilfrid J., and Oliver.

Oliver, Norman J., Fall River, Mass., assignor to the United States of America as represented by the Secretary of War. Delayed-action electric flare fuse. 2,501,082, Mar. 21.

Oliver, Roy, and G. Frye, assignors to Sport Products, Inc., Cincinnati, Ohio. Baseball glove and making heel therefor. 2,510,246, June 6.

Oliver, Wallace F., assignor to Bendix Home Appliances, Inc., South Bend, Ind. Water inlet and vacuum release for collapsible bag type washers and extractors. 2,535,226, Dec. 26.

Oliver, Wallace F., and A. L. Jensen, assignors to Bendix Home Appliances, Inc., South Bend, Ind. Water inlet system for washing machines. 2,498,179, Feb. 21.

Oliver, Walter E., Quincy, Mass. Strip folder. 2,501,873, Mar. 28.

Olivier, Leon J., New Orleans, La. Insulator supporting bracket. 2,519,694, Aug. 22.

Olkon Research Corporation, assignee: *See*—
Arter, Jakob.

Ollagnon, Paul, Saint-Etienne, France. Wrench having pivoted and slidable inner jaw. 2,513,956, July 4.

Olliver, Mamie: *See*—
Baker, George L., and Olliver.

Ollivier, Pierre J. M. C., Savoie, and R. A. P. G. Perieres, assignors to Compagnie de Produits Chimiques et Electrometallurgiques Alais, Froges et Camargue, Paris, France. Construction of the lower portion of igneous electrolytic cells. 2,528,905, Nov. 7.

Ollmann, John J., Mankato, Minn. Brush holder. 2,515,890, July 18.

Olm, George: *See*—
Cattonar, John, and Ohm.

Olm, George, Astoria, assignor to Edward Ermold Company, New York, N. Y. Labeling machine. 2,505,062, Apr. 25.

Olmstead, Noel C., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Control and indicator apparatus for rectifiers. 2,503,405, Apr. 11.

Olmsted, Victor H.: *See*—
Filler, Irving H., and Olmsted.

Olney, George J., Westernville, N. Y. Trough for vegetable separators. 2,501,909, Mar. 28.

Olney, Nathaniel M., New York, assignor to Speed Products Co., Inc., Long Island City, N. Y. Staple feed mechanism for stapling machines. 2,512,172, June 20.

Olowinski, Clement J., Erie, Pa. Portable gas dispenser. 2,510,712, June 6.

Olpin, Henry C., and K. R. House, Spondon, near Derby, England, assignors to Celanese Corporation of America. Amino-anthraquinone-carboxylic-amide dyes and their manufacture. 2,507,574, May 16.

Olpin, Henry C., and P. B. Law, Spondon, near Derby, England, assignors, by mesne assignments, to Celanese Corporation of America. Printing of cellulose acetate using methyl cellulose as a thickener for strongly alcoholic dye solutions. 2,514,410, July 11.

Olpin, Henry C., and T. Jackson, Spondon, near Derby, England, assignors to Celanese Corporation of America. Printing cellulose acetate fabrics with oxidation dye pastes comprising an alcohol and thickened with methyl cellulose. 2,514,411, July 11.

Olpin, Henry C., and E. Stanley, Spondon near Derby, England, assignors to Celanese Corporation of America. Dyeing of cellulose derivative textile materials with an acid dye in a swelling solution followed by washing with an aqueous salt solution. 2,519,498, Aug. 22.

Olpin, Henry C., and E. Stanley, Spondon, near Derby, England, assignors to Celanese Corporation of America. Dyeing organic derivatives of cellulose textile material with an aqueous solution comprising a leuco vat dye, a water-miscible organic base, and diacetone alcohol. 2,524,072, Oct. 3.

Olpin, Henry C., and E. Stanley, Spondon, near Derby, England, assignors to Celanese Corporation of America. Dyeing cellulose esters and ethers with alkaline aqueous solutions of leuco vat dyes containing diacetone alcohol. 2,524,073, Oct. 3.

Olsen, Aksel G., Summit, N. J., assignor to General Foods Corporation, New York, N. Y. Tapioca process. 2,508,533, May 23.

Olsen, Anders C., Forest Hills, N. Y. Fastening element for wall and ceiling constructions. 2,499,278, Feb. 28.

Olsen, C. A., Manufacturing Company, The, assignee: *See*—
Downe, Edward R.

Olsen, Ernest R., R. F. Flora, and C. J. Lonnee, Muskegon, assignors to Hastings Manufacturing Company, Hastings, Mich. Centrifugal mold and liner therefor. 2,494,405, Jan. 10.

Olsen, Ernest R., R. F. Flora, and C. J. Lonnee, Muskegon, assignors to Hastings Manufacturing Company, Hastings, Mich. Centrifugal mold and liner. 2,495,817, Jan. 31.

Olsen, Ernest R., R. F. Flora, and C. J. Lonnee, Muskegon, assignors to Hastings Manufacturing Company, Hastings, Mich. Centrifugal mold apparatus. 2,513,101, June 27.

Olsen, Ernest R., R. F. Flora, and C. J. Lonnee, Muskegon, assignors to Hastings Manufacturing Company, Hastings, Mich. Apparatus for making centrifugal castings. 2,518,055, Aug. 8.

Olsen, Fredrich, Alton, assignor to Olin Industries, Inc., East Alton, Ill. Drying ammunition primers. 2,529,704, Nov. 14.

Olsen, Horace W., Houston, Tex. Rotary distributing head oil burner. 2,501,736, Mar. 28.

Olsen, John H., Whitefish Bay, assignor to Pulp Reproduction Company, Milwaukee, Wis. Aquatic decoy. 2,522,295, Sept. 12.

Olsen, John J., Chicago, Ill., assignor, by mesne assignments, to Harry W. Dietert Company, Detroit, Mich. Protecting means for markings in gas analysis apparatus. 2,526,400, Oct. 17.

Olsen, Karl M.: *See*—
Bouton, George M., Olsen, and Schumacher.

Olsen, Marvin R.: *See*—
Packer, Charles S., and Olsen.

Olsen, Marvin R., Glen Ellyn, assignor to Justrite Manufacturing Company, Chicago, Ill. Gasoline dispensing container with venting means responsive to internal vapor pressure. 2,504,276, Apr. 18.

Olsen, Otto, Detroit, Mich. Marlinespike. 2,503,507, Apr. 11.

Olsen, Otto S., Alhambra, Calif. Pedal extension. 2,518,056, Aug. 8.

Olsen-Tank, Leif, Brooklyn, N. Y. Device for holding record forms for simultaneous entry. 2,507,927, May 16.

Olsen, Thomas, and W. Copeland, La Junta, Colo. Hose guide. 2,501,407, Mar. 21.

Olson, Abraham D., Osborn, Ohio, and I. A. Morris, Clifton Springs, N. Y. Item checking device. 2,498,703, Feb. 28.

Olson, Alice M.: *See*—
Olson, Obert H. and A. M.

Olson, Buford W., assignor to Chas. Olson & Sons, Inc., Minneapolis, Minn. Spindle bar mounting bracket and the like. 2,529,738, Nov. 14.

Olson, Carl A., Bellevue, Nebr. Battery connector. 2,531,291, Nov. 21.

Olson, Carl M., Newark, and J. E. Booge, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Titanium oxide pigment production. 2,511,218, June 13.

Olson, Charles A.: *See*—
Vernon, Leroy N., and Olson.

Olson, Chas. & Sons, Inc., assignee: *See*—
Olson, Buford W.

Olson, Clair D., Farmington, N. Mex. Wheel mounting means. 2,511,000, June 13.

Olson, Earl W., Willmar, Minn. Gun support. 2,520,285, Aug. 29.

Olson, Elden H.: *See*—
Lundquist, Wilton G., Olson, and Browne.

Olson, Emil, Los Angeles, Calif. Hydrostatic liquid levelometer. 2,499,674, Mar. 7.

Olson, Eric, Jersey City, N. J. Drip pan attachment for sinks. 2,534,793, Dec. 19.

Olson, Franklyn C. W.: *See*—
Jennings, Burgess H., Bigg, and Olson.

Olson, Frederick F., Sudbury, Mass., assignor to The B. F. Goodrich Company, New York, N. Y. Closure means for article of footwear and making same. 2,525,269, Oct. 10.

Olson, Grace B., assignee: *See*—
Biggs, Henry L.

Olson, Harry F., Princeton, N. J., assignor to Radio Corporation of America. Synthetic reverberation system. 2,493,638, Jan. 3.

Olson, Harry F., Princeton, N. J., assignor to Radio Corporation of America. Personal call system. 2,494,451, Jan. 10.

Olson, Harry F., Princeton, N. J., assignor to Radio Corporation of America. Diffraction type sound absorber. 2,502,016, Mar. 28.

Olson, Harry F., Princeton, N. J., assignor to Radio Corporation of America. Diffraction type sound absorber covered by a membrane. 2,502,018, Mar. 28.

Olson, Harry F., Princeton, N. J., assignor to Radio Corporation of America. Diffraction type sound absorber with complementary fitting portions. 2,502,019, Mar. 28.

Olson, Harry F., Princeton, N. J., assignor to Radio Corporation of America. Diffraction type sound absorber with fiber glass walls. 2,502,020, Mar. 28.

Olson, Harry F., Princeton, N. J., assignor to Radio Corporation of America. Feedback control system for recording cutters and the like. 2,516,338, July 25.

Olson, Harry F., Princeton, and J. Preston, Hopewell, N. J., assignors to Radio Corporation of America. Single element, unidirectional, dynamic microphone. 2,512,467, June 20.

Olson, Harry S., Painesville, assignor to Diamond Alkali Company, Cleveland, Ohio. Suspensions of chlorinated materials and making the same. 2,496,745, Feb. 7.

Olson, Holly M., assignor to Sealed Power Corporation, Muskegon, Mich. Engraving machine. 2,506,166, May 2.

Olson, John B., assignor to James Manufacturing Company, Fort Atkinson, Wis. Poultry feeder. 2,503,886, Apr. 11.

Olson, John B., assignor to James Manufacturing Company, Fort Atkinson, Wis. Pressure control valve. 2,506,735, May 9.

Olson, John E.: *See*—
Amtsberg, Lester A., and Olson.

Olson, Lawrence J.: *See*—
Dinesen, Laurits, and Olson.

Olson, Leonard E.: *See*—
Teter, John W., and Olson.

Olson, M. A., assignee: *See*—
Danielson, Rudolph V.

Olson Manufacturing Company, assignee: *See*—
Agee, Harold J., Cowgill, and Gordon.

Olson, Obert H. and A. M., Madison, Wis. Hat fastener. 2,517,228, Aug. 1.

Olson, Olaf C., and R. A. Boomer, Killdeer, N. Dak. Safety drawbar. 2,512,836, June 27.

Olson, Oliver L., Camas, Wash. Game apparatus. 2,513,667, July 4.

Olson, Oscar T., Chicago, Ill. Retractable stand for cycles. 2,510,412, June 6.

Olson, Ray G., Glenview, Ill., assignor to The Magnavox Company, Fort Wayne, Ind. Timer. 2,497,466, Feb. 14.

Olson, Raymond E., Pittsford, assignor to Taylor Instrument Companies, Rochester, N. Y. Method of and apparatus for timing the holding period of pasteurizers. 2,501,960, Mar. 28.

Olson, Raymond E., Pittsford, and G. E. Heller, assignors to Taylor Instrument Companies, Rochester, N. Y. Pasteurizing system. 2,522,796, Sept. 19.

Olson, Raymond G., Niles, Ill. Pneumatic rubber tire construction. 2,521,305, Sept. 5.

Olson, Robert V., Attleboro, Mass., assignor to Mossberg Pressed Steel Corporation. Reel or spool. 2,497,556, Feb. 14.

Olson, Robert W., assignor to Geophysical Service, Inc., Dallas, Tex. Seismograph compositing system. 2,509,651, May 30.

Olson, Wilbert E., St. Paul, Minn. Bicycle balancing and stand attachment. 2,509,937, May 30.

Olsson, Birger S., Linhamn, assignor to Aktiebolaget Ljungmans Verkstader, Malmo, Sweden. Gear changing system. 2,498,821, Feb. 28.

Olsson, Gunnar D., Stockholm, Sweden. Electric time switching system. 2,510,713, June 6.

Olsson, Gunnar D., Stockholm, Sweden. Electric phonograph. 2,523,629, Sept. 26.

Olsson, Gunnar D., and N. F. Björkman, Stockholm, Sweden. Clutch and brake for selector for automatic telecommunication equipment. 2,519,695, Aug. 22.

Olsson, Gustaf E., Varberg, Sweden. Freewheel hub for bicycles. 2,497,368, Feb. 14.

Olsson, Gustav U., Ludvika, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Regulating transformer. 2,506,276, May 2.

Olsson, Olov J. E., assignor to Storm Vulcan Company, Inc., Minneapolis, Minn. Anchor for cylinder-boring machine. 2,502,983, Apr. 4.

Olsson, Oscar K. J.: *See*—
Vigren, Stan Daniel, Broberg and Olsson.

Olsson & Rosenlunds Aktiebolag, assignee: *See*—
Lindham, Birger.

Olsson, Signe C., Stockholm, Sweden. Rug making implement. 2,523,445, Sept. 26.

Olstad, Martin H.: *See*—
Horton, Ralph, and Olstad.

Olstad, Martin H., Port Washington, assignor to Niagara Blower Company, New York, N. Y. Evaporative heat exchanger. 2,504,149, Apr. 18.

Olthof, Menno, assignor to Handelsvennootschap Transformatorenfabriek Firma Gebr. Olthof, Groningen, Netherlands. Variable-current transformer. 2,513,512, July 4.
Olthuis, Jan M.: *See*—
Hugenholtz, Eduard H., and Olthuis.
Oltz, Harry M., Miami, Fla. Mixing mechanism for dispensing freezers. 2,506,101, May 2.
Oltz, Howard R., Hammond, Ind. Bulkhead door for freight vehicles. 2,516,527, July 25.
Olvis, James E., Glendale, Calif. Spring hinge. 2,493,019, Jan. 3.
Olzak, Zigmont E., Beaver Falls, assignor to The Babcock & Wilcox Tube Company, West Mayfield, Pa. Electric arc welding. 2,522,482, Sept. 12.
O'Mahony, Eugene D.: *See*—
Sadowski, Edward M., and O'Mahony.
O'Malley, Charles E., Chicago, Ill. Vise type fixture having two pairs of jaws. 2,535,450, Dec. 26.
O'Malley, Joseph M.: *See*—
Sheperdson, John W., and O'Malley.
Oman, Carl, Cedar Grove, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Impulse receiver for metering systems. 2,501,351, Mar. 21.
Oman, Nils J., Merchantville, N. J., assignor to Radio Corporation of America. Radio relaying. 2,500,090, Mar. 7.
Omberg, Arthur C., Owings Mills, assignor to Bendix Aviation Corporation, Towson, Md. System for ground speed determination. 2,496,674, Feb. 7.
O'Meara, Arthur A., Harrisburg, Pa. Desedimentizer. 2,513,352, July 4.
Omeron, Carl J. E., Los Angeles, Calif., assignor of one-third to E. P. Le May, Miami, and one-third to C. M. Haterius, Miami Beach, Fla. Safety control for enclosed internal-combustion engines. 2,502,743, Apr. 4.
Omley, Herbert A., East Nassau, N. Y., assignor to General Electric Company. Electric insulating bushing and glass therefor. 2,513,958, July 4.
Omoto, Bunnosuke, Los Angeles, Calif. Spike. 2,513,513, July 4.
O'Neal, Charles E., Jr., Jackson, Miss. Safety cap for gas tanks. 2,531,860, Nov. 28.
O'Neal, Grady M., Chicago, Ill., assignor to The Sherwin-Williams Company, Cleveland, Ohio. Manufacture of copper phthalocyanine dyestuffs. Re. 23,304, Dec. 12.
O'Neal, Grady M., Chicago, Ill. Compositions containing 2,4-dichlorophenoxyacetic acid and preparation thereof. 2,511,784, June 13.
O'Neal, Ray R., San Francisco, Calif. Stabilizing slide areas. 2,514,509, July 11.
O'Neal, Russell D., Rochester, N. Y., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Radio-frequency power measuring circuit. 2,518,926, Aug. 15.
Oneida Ltd., assignee: *See*—
Manaseri, Charles.
O'Neil, Albert T., assignee: *See*—
Linder, Victor F.
O'Neil, Bernard E., assignee: *See*—
O'Neil, Hugh J.
O'Neil, Hugh J., assignor of one-third to B. E. O'Neil and one-third to J. R. O'Neil, Bay City, Mich. High-frequency current generator. 2,499,155, Feb. 28.
O'Neil, James R., assignee: *See*—
O'Neil, Hugh J.
O'Neil, Patrick, Dorchester, Mass. Wall mounted collapsible seat. 2,510,900, June 6.
O'Neill, Edith L., assignee: *See*—
Bates, William F.
O'Neill, James V.: *See*—
Mell, Clifford W., Ballentine, and O'Neill.
O'Neill, Louis R., Warren, assignor, by mesne assignments, to Cosmopolitan Wares, Inc., Youngstown, Ohio. Method and apparatus for forming metallic bodies. 2,513,739, July 4.
O'Neill, William J., Jr., Lake Forest, Ill. Piercing device for nipples. 2,535,594, Dec. 26.
Ong, William, Fredonia, Kans. Ventilated building construction. 2,517,020, Aug. 1.
Onley, William B., Jr., assignor of fifty per cent to W. N. Larson, Jr., Lenox, Mass. Chalk holder. 2,507,928, May 16.
Onondaga Pottery Company, assignee: *See*—
Johnson, Walter A.
Onorato, Leonard: *See*—
Marini, Thomas O., and Onorato.
Onsrud, Edwin G., Huntley, Ill. Supporting stand. 2,513,959, July 4.
Onsrud Machine Works, Inc., assignee: *See*—
Onsrud, Rudolph F.
Onsrud, Rudolph F., assignor to Onsrud Machine Works, Inc., Chicago, Ill. Milling cutter. 2,524,232, Oct. 3.
Oom, Benjamin J., assignor to American Seating Company, Grand Rapids, Mich. Chair pedestal. 2,512,171, June 20.
Oortgijsen, Jan, Rijswijk, Netherlands. Connector for joining conductors. 2,501,187, Mar. 21.
Ontario Paper Company Limited, The, assignee: *See*—
Marshall, Harry B., and Sankey.
Onyx Oil & Chemical Company, assignee: *See*—
Du Bois, Adrien S., and Valko.
Du Bois, Adrien S.
Opel, Louella M., Freeport, Ill. Manufacturing figure toys. 2,516,479, July 25.
Operadio Manufacturing Co., assignee: *See*—
Crane, Webster O.
MacDermaid, Lloyd D.
Marquis, John F.
Supitilov, Michael C.
Torn, William R.
Operhall, Theodore, assignor to Bendix Aviation Corporation, Detroit, Mich. Spark plug. 2,521,647, Sept. 5.
Oplinger, Kirk A., Verona, C. R. Hanna, Pittsburgh, and L. B. Lynn, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Velocity regulating apparatus. 2,509,446, May 30.
Oplinger, Kirk A., Verona, and S. Sentipal, East McKeesport, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Thermally responsive electrical device. 2,521,865, Sept. 12.
Opotow, Nathan, New York, N. Y. Dental apparatus for use in making dentures. 2,507,118, May 9.
Opotow, Nathan, New York, N. Y. Dental flask. 2,527,647, Oct. 31.
Oppegaard, Assur G., Fredrikstad, Norway, assignor to Titan Company, Inc., New York, N. Y. Recovery of iron from its ores. 2,523,138, Sept. 19.
Oppel, John A., Upper Darby, Pa., assignor to General Electric Company. Three-stage retarded electromagnetic device. 2,495,127, Jan. 17.
Oppenheimer Casing Company, assignee: *See*—
Arlow, Robert, and Young.
Oppenheimer, Everett W., and J. E. Lucas, Butler, Pa., assignors to Armco Steel Corporation. Obtaining large grain size in silicon steel. 2,533,394, Dec. 12.
Oppenheimer, Franz: *See*—
Levinson, Sidney O., and Oppenheimer.
Oppenheimer, Franz, assignor to Michael Reese Research Foundation, Chicago, Ill. Lamp. 2,528,969, Nov. 7.
Oppenlander, Richard C.: *See*—
Foster, Wallin G., and Oppenlander.
Opperman, Kurt W.: *See*—
Liston, Max D., and Opperman.
Opperman, Roy, assignor, by mesne assignments, to Radiron Corporation, Miamisburg, Ohio. Electric iron. 2,496,746, Feb. 7.
Opsahl, Alert M., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Controlling means for operating an electronic oscillograph to produce a record. 2,501,352, Mar. 21.
Opsahl, Alert M., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Recording oscillograph. 2,516,015, July 18.
Opsahl, Eugene G.: *See*—
Flesch, John E., and Opsahl.
Optical Measuring Tools Limited, assignee: *See*—
Hearn, James W. E., and Meech.
Opti-Phonetics, Inc., assignee: *See*—
Halter, Howard L.
Optique et Precision de Levallois, assignee: *See*—
De Gramont, Armand A. A. A.
De Gramont de Guiche, Henri A. A. A.
Orange Screen Company, assignee: *See*—
Majkrzak, Charles P.
Orbin, George, McKees Rocks, Pa. Spring disk wheel. 2,524,824, Oct. 10.
Orbit Valve Company, assignee: *See*—
Blevans, Don W.
Orchard Industries, Inc., assignee: *See*—
Irvan, Karl W.
Orchard Paper Company: *See*—
La Cour, Edgar J.
Orchin, Milton, and L. Reggel, Pittsburgh, Pa., assignors to the United States of America as represented by the Secretary of the Interior. Synthesis of fluoranthene and its derivatives. 2,503,292, Apr. 11.
Ordas, Eugene P.: *See*—
Herzfeld, Simon H., and Ordas.
Ordman, Howard F. W.: *See*—
Ordman, Theodore, and H. F. W.
Ordman, Theodore, Brooklyn, and H. F. W. Ordman, New York, N. Y. Film splicer. 2,518,927, Aug. 15.
Ore, Carl V., Harvey, assignor to Roberts and Schaefer Company, Chicago, Ill. Movable deck pneumatic coal cleaner. 2,513,960, July 4.
O'Reardon, Earl J., Covington, Ky. Railway brake. 2,505,570, Apr. 25.
Oregon Saw Chain Mfg. Corp., assignee: *See*—
Cox, Joseph B.
Oregon, State of, acting by and through the Oregon State Board of Forestry, assignee: *See*—
Kurth, Ervin F.
O'Reilly, Martin G., assignor to Ford Roofing Products Company, Chicago, Ill. Insulating siding and the like and its manufacture. 2,512,371, June 20.
Orelind, John R., Wilmette, Ill., assignor to International Harvester Company. Power lift device for implements. 2,518,363, Aug. 8.
Orelind, John R., Wilmette, Ill., assignor to International Harvester Company. Tractor implement. 2,524,205, Oct. 3.
Orendorff, Francis W., Missoula, Mont. Oscillating railway switch. 2,508,417, May 23.
Orendorff, John W., Canton, Ill., assignor to International Harvester Company. Safety device for tractor implements. 2,524,206, Oct. 3.

Orendorff, John W., Canton, Ill., assignor to International Harvester Company. Topping mechanism for beets and the like. 2,527,843, Oct. 31.
Orendorff, Louis B.: *See*—
Nelson, Frank A., Berry, Robinson and Orendorff.
Orford, Marion B., Garden City, N. Y. Bedcover support. 2,524,469, Oct. 3.
Organic Chemicals, Inc., assignee: *See*—
Widmann, Rudolph R.
Organon, Inc., assignee: *See*—
Van Dorp, David A., and Arens.
Organon, N. V., assignee: *See*—
Reichstein, Tadeus.
O'Rielly, John J., Los Angeles, Calif. Blade sharpener. 2,508,967, May 23.
O'Riley, Patrick, assignor of one-half to R. M. Fitzgerald, Los Angeles, Calif. Sawing guide attachment for band saws. 2,520,690, Aug. 29.
Orinsky, Emile: *See*—
Kirsch, Herman B., and Orinsky.
Oriol, Ramon, Manila, P. I., vested in the Attorney General of the United States. Stereoscopic motion-picture film marking apparatus. 2,516,718, July 25.
Oriolo, Dominic J., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Catalytic polymerization of olefins with hydrogen bromide promoter. 2,521,939, Sept. 12.
Oriolo, Dominic J., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Removal of catalyst from olefin polymer product. 2,521,940, Sept. 12.
Orjala, Wayne, East Lake, Minn. Four-wheel trailer convertible to two-wheel trailer. 2,524,633, Oct. 3.
Orkin, Bernard A., Woodbury, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Hardening of photographic silver halide gelatin emulsions with nitro alcohols. 2,494,055, Jan. 10.
Orlando, Carl, Brooklyn, N. Y. Binding post. 2,518,489, Aug. 15.
Orlin, Max, Passaic, N. J. Cigarette case. 2,504,574, Apr. 18.
Ormont, Bernard, New York, N. Y., assignor to A. W. Drake, Short Hills, N. J. System for distilling decomposable liquids. 2,505,571, Apr. 25.
Ormsbee, Willard A., Raynham, assignor to Taunton Pearl Works, Taunton, Mass. Holder for keys and the like. 2,503,211, Apr. 4.
Ormsby, Arwin E., assignor to L. M. Ormsby, Oakland, Calif. Truck crane. 2,503,590, Apr. 11.
Ormsby, Charles F., Kokomo, Ind. Screw type oil pump. 2,523,588, Sept. 26.
Ormsby, Lucienne M., assignee: *See*—
Ormsby, Arwin E.
Ornberg, Raymond N., assignee: *See*—
Anderson, Chester A.
Orndorff, Marvin F., Alexandria, Va. Pressure fountain cleaning sponge. 2,501,289, Mar. 21.
Ornell, Edwin E., Seattle, Wash. Article holding device. 2,526,766, Oct. 24.
Orner, Harry, Cleveland Heights, Ohio. Rotary power control device. 2,519,394, Aug. 22.
Ornfelt, John, Morristown, N. J., assignor by mesne assignments, to American Home Foods, Inc., New York, N. Y. Coffee extraction process. 2,515,730, July 18.
Ornstein, D., & Sons Corp., assignee: *See*—
Vizner, Herman.
Ornstein, Louis L.: *See*—
Machlin, Eugene S., and Ornstein.
Ornstein, Matthew: *See*—
Ornstein, Max and Matthew.
Ornstein, Max and Matthew, New York, N. Y. Umbrella construction. 2,504,221, Apr. 18.
Ornstein, Mendel P., Dayton, Ohio, and J. H. Siebert, Jr., Pittsburgh, Pa. Accelerated-weathering device. 2,523,322, Sept. 26.
Orochena, Salvador F., and W. M. Kutz, assignors to Koppers Company, Inc., Pittsburgh, Pa. Producing mono-isopropyl quinoline. 2,510,134, June 6.
Orola, Kaarlo S., administrator: *See*—
Nordström, Johan A.
Oroshnik, William, Brooklyn, N. Y., assignor to Ortho Pharmaceutical Corporation. Producing esters of isoprene halohydrins. 2,511,870, June 20.
O'Rourke, Frank M.: *See*—
Buye, Stanley M., and O'Rourke.
O'Rourke, James L., Detroit, Mich. Transmission control. 2,510,516, June 6.
Orozco, Gilbert H., Euclid, and J. A. Henricks, Lakewood, assignors to Gilron Products Company, Cleveland, Ohio. Lubricant composition composed of high-titre soap, borax, and an inorganic compound. 2,530,837, Nov. 21.
Orozco, Gilbert H., Euclid, and R. F. Roy, assignors to Gilron Products Company, Cleveland, Ohio. Wire, rod, and sheet metal drawing lubricant of synthetic wax, borate, and organic binder. 2,530,838, Nov. 21.
Orr, Andrew W., Jr., Detroit, Mich., assignor to G. M. and E. Holley. Aircraft carburetor. 2,529,100, Nov. 7.
Orr, Andrew W., Jr., Detroit, Mich., assignor to G. M. and E. Holley. Pressure carburetor. 2,529,101, Nov. 7.
Orr, Arthur C., West Bath, Maine. Clothespin. 2,509,312, May 30.
Orr, Clifford M.: *See*—
Boardman, Harry C., Goldsby, and Orr.
Goldsby, Fred L., and Orr.
Orr, Clifford M., and F. L. Goldsby, Chicago, Ill., assignors to Chicago Bridge & Iron Company. Seal for floating roof tanks. 2,495,755, Jan. 31.
Orr Felt & Blanket Company, The, assignee: *See*—
Albright, Charles B.
Miscall, Darwin.
Orr, Helen T., Bayside, N. Y., and L. E. Orr, Toledo, Ohio. Fruit knife. 2,528,166, Oct. 31.
Orr, John B., Jr., Great Barrington, Mass. Production of acetylene. 2,498,444, Feb. 21.
Orr, John B., Jr., Great Barrington, Mass. Tube cracking furnace. 2,519,696, Aug. 22.
Orr, John H., assignor to Carbodies Limited, Coventry, England. Collapsible top structure for motor vehicles. 2,529,458, Nov. 7.
Orr, Lloyd E.: *See*—
Orr, Helen T. and L. E.
Orr, Palmer: *See*—
Kelbel, Donald W., Flinn, and Orr.
Kelbel, Donald W., and Orr.
Orr, Palmer, Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Plantary gearing. 2,505,002, Apr. 25.
Orr, Palmer, Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Five-speed transmission. 2,511,539, June 13.
Orr, Palmer, Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Transmission. 2,512,036, June 20.
Orr Robert H., Birmingham, Ala., assignor to Tennessee Coal, Iron and Railroad Company. Casting machine. 2,501,536, Mar. 21.
Orr & Sembower Inc., assignee: *See*—
Legsmann, William.
Orrell, Joseph B., Drexel Hill, Pa., assignor to Abbotts Dairies, Incorporated, Philadelphia, Pa. Fruit strainer. 2,496,636, Feb. 7.
Orrell, Joseph B., assignor to Abbotts Dairies, Incorporated, Philadelphia, Pa. Device for opening containers of solid frozen sweet cream fats. 2,506,969, May 9.
Orrigo, Joseph C., New York, N. Y. Thread supporting and tensioning attachment for embroidery machines. 2,508,887, May 23.
Orscheln, Albert, assignor of thirty-five one hundredths to W. C. Orscheln, Moberly, thirty-five one hundredths to E. J. Orscheln, Columbia, Mo., ten one hundredths to T. B. Orscheln, Granite City, Ill., and ten one hundredths to A. G. Orscheln, Kansas City, Mo. Brake operating or similar mechanism. 2,531,740, Nov. 28.
Orscheln, Aloysius G., assignee: *See*—
Orscheln, Albert.
Orscheln, Edward J., assignee: *See*—
Orscheln, Albert.
Orscheln, Theodore B., assignee: *See*—
Orscheln, Albert.
Orscheln, William C., assignee: *See*—
Orscheln, Albert.
Orser, Harvey E., Pontiac, Mich. Multiple view safety mirror. 2,493,546, Jan. 3.
Orser, Keith L., assignor to Columbian Rope Company, Auburn, N. Y. Apparatus for indicating location of metallic particles in fibrous bodies. 2,506,887, May 9.
Orshansky, Elias, Jr., Cleveland, assignor to D. W. Hornbeck, Shaker Heights, Ohio. Variable-speed transmission. 2,493,418, Jan. 3.
Orshansky, Elias, Jr., Stamford, Conn., assignor to D. W. Hornbeck, Cleveland, Ohio. Apparatus for effecting speed changes in mechanical transmissions. 2,493,417, Jan. 3.
Orshansky, Elias, Jr., assignor to The Acrotorque Company, Stamford, Conn. Driving mechanism. 2,504,040, Apr. 11.
Orshansky, Elias, Jr., assignor to The Acrotorque Company, Stamford, Conn. Hydraulic pump unit. 2,504,041, Apr. 11.
Orsini, Camillo D., Highland Park, assignor to Nixon Nitration Works, Nixon, N. J. Preparing thermoplastic material. 2,531,739, Nov. 28.
Ort, William, Wichita Falls, Tex. Paper smoothing tool. 2,495,472, Jan. 24.
Ortalli, Joseph J.: *See*—
La Joie, Lorraine H., and Ortalli.
Ortgies, Raymond C., Chicago, assignor to Whiting Corporation, Harvey, Ill. Apparatus for cleaning stack gas. 2,529,045, Nov. 7.
Orth, George O., Jr., Seattle, Wash., assignor to Armour and Company, Chicago, Ill. Adhesives from blood hemoglobin, formaldehyde, a peroxide and ethylene diamine. 2,514,789, July 11.
Orth, Sylvester M., Brooklyn Heights, Ohio. Universal back rest. 2,518,057, Aug. 8.
Orth, William H.: *See*—
Marvin, Stanley, and Orth.
Ortho Pharmaceutical Corporation, assignee: *See*—
Folsome, Clair E., and Singher.
Mende, William C.
Oroshnik, William.
Singher, Heron O., and Harmison.
Ortman, Charles H., Chardon, Ohio. Pivoted outer jaw wrench. 2,499,327, Feb. 28.
Ortman, Charles H., Chardon, Ohio. Pivoted rack catch sliding jaw wrench. 2,504,721, Apr. 18.
Ortmeier, Merrell R., Freeport, Ill. Self-unloading trailer. 2,496,305, Feb. 7.

Orton, Ernest W., Mountain View, assignor to The Pelton Water Wheel Company, San Francisco, Calif. Water wheel bucket. 2,502,021, Mar. 28.

Ortscheid, Bernard J.: *See*—
Roschen, Harry L., Ortscheid, and Ramsbottom.

Ortusi, Antoine J.: *See*—
Gutton, Henri, and Ortusi.
Ponte, Maurice, and Ortusi.

Ortusi, Antoine J., and R. Paul, Paris, France, assignors to Compagnie Generale de Telegraphie, Sans Fil. Device for creating a magnetic wave of the H_0 type in a circular sectioned guide. 2,525,935, Oct. 17.

Ortusi, Antoine J., and M. Ponte, Paris, France, assignors to Compagnie Generale de Telegraphie Sans Fil. Aircraft altimeter, particularly applicable to low altitudes. 2,530,905, Nov. 21.

Ortusi, Antoine J. and R. P., Paris, France, assignors to Compagnie Generale de Telegraphie Sans Fil. Wave guide coupling arrangement. 2,534,876, Dec. 19.

Orvedahl, Walter, assignor to Control Devices, Inc., Santa Fe, N. Mex. Spiral thermostatic switch. 2,495,819, Jan. 31.

Orvedahl, Walter, assignor to Control Devices, Inc., Santa Fe, N. Mex. Induction motor control system. 2,527,092, Oct. 24.

Orvis, Charles F., Co. Inc., assignee: *See*—
Jordan, Wesley D.

Osbon, George H., and W. A. Sandman, Sturgis, Mich. Adjustable boat seat. 2,508,769, May 23.

Osbon, William O.: *See*—
Frisch, Erling, and Osbon.
Lindbeck, Simon L., and Osbon.

Osborn, Arthur, London, England, assignor to Standard Oil Development Company. Liquid media for operation of hydraulic mechanisms. 2,521,402, Sept. 5.

Osborn, Elburt F., State College, assignor to Harbison-Walker Refractories Company, Pittsburgh, Pa. Forsterite retractory made from natural magnesium silicates. 2,516,249, July 25.

Osborn, Emery S., Auburn, N. Y. Building construction of predetermined characteristics. 2,495,862, Jan. 31.

Osborn, George E., Spokane, Wash. Extensible crutch. 2,528,706, Nov. 7.

Osborn, Harry B., Jr., University Heights, assignor to The Ohio Crankshaft Company, Cleveland, Ohio. Electromagnetic cutting torch. 2,521,740, Sept. 12.

Osborn, Henry C., assignee: *See*—
Chisholm, Clifton.

Osborn Manufacturing Company, The, assignee: *See*—
Peterson, Ruben O.
Rose, Anthony J.

Osborn, Ralph C., Bloomington, Ill., assignor to Eureka Williams Corporation, Detroit, Mich. Tank cleaner. 2,507,042, May 9.

Osborn, Ralph C., Bloomington, Ill., assignor to Eureka Williams Corporation, Detroit, Mich. Suction cleaner. 2,507,043, May 9.

Osborn, Ralph C., Bloomington, Ill., assignor to Eureka Williams Corporation. Handle, cord reel, and switch assembly. 2,527,486, Oct. 24.

Osborn, Ralph C., and C. F. Foley, Bloomington, Ill., assignors to Eureka Williams Corporation, Detroit, Mich. Tank type suction cleaner. 2,503,918, Apr. 11.

Osborn, Riley R., assignee: *See*—
Carris, Jerry R.

Osborne, Alec V.: *See*—
Turnbow, Grover D., and Osborne.

Osborne, Eugene F., Peach Bottom, Pa. Liquid air turbine. 2,499,772, Mar. 7.

Osborne, Gerald L., Portland, Oreg. Coil bobbin. 2,511,174, June 13.

Osborne, Glenn B., assignee: *See*—
Roach, Vernon A.

Osborne, Louis J., Jr.: *See*—
Cyphers, Elmer B., and Osborne, Jr.

Osborne, Raymond, Pleasant Plain, assignor to The National Marking Machine Company, Cincinnati, Ohio. Web feeding, printing, and cutting mechanism in tag forming machines. 2,515,354, July 18.

Osburn, Howard W., assignor to Power Brake Parts Manufacturing and Sales Company, Detroit, Mich. Leverage system. 2,510,651, June 6.

Oscar, Harry, New York, N. Y. Builder's level. 2,502,232, Mar. 28.

Oscar, Harry, New York, N. Y. Plasterer's guide. 2,524,634, Oct. 3.

Oscar, Harry, New York, N. Y. Plasterer's trowel. 2,526,401, Oct. 17.

Oschwald, Max, Zuchwil, assignor to Scintilla A-G., Solothurn, Switzerland. Mechanism for converting rotary motion to reciprocatory motion. 2,501,631, Mar. 21.

Oschwald, Max, Zuchwil, assignor to Scintilla A-G., Solothurn, Switzerland. Motor driven hand tool. 2,506,736, May 9.

Osdal, Le Verne K., Upper Darby, and R. E. Pike, Media, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Synthetic resin metallic enamels. 2,493,020, Jan. 3.

Osgood, Charles F., Claremont, N. H., assignor to Joy Manufacturing Company. Cuttings conveyer mechanism. 2,499,872, Mar. 7.

Osgood Company, The, assignee: *See*—
White, Fred L.

Osgood, Harry W., Jr., Westbrook, Maine, assignor to S. D. Warren Company, Boston, Mass. Apparatus for use in making paper. 2,506,678, May 9.

Osgood, Harry W., Jr., and A. Jones, Westbrook, Maine, assignors to S. D. Warren Company, Boston, Mass. Coating machine for sheets of material. 2,507,418, May 9.

O'Shaughnessy, Thomas F., assignee: *See*—
Hill, Ernest.

O'Shei, William E., London, England. Vehicle direction indicator. 2,493,688, Jan. 3.

O'Shei, William E., London, England. Vehicle direction indicator. 2,516,480, July 25.

Oshinsky, Theodore, Brooklyn, N. Y. Renewable fuse tap receptacle. 2,508,770, May 23.

Osinski, Joseph S., Cheektowaga, N. Y. Seat cushion adjusting means. 2,510,517, June 6.

Osius, Adolph P., Detroit, Mich. Portable pumping apparatus. 2,520,559, Aug. 29.

Oskow, Louis, New York, N. Y. Label applying machine. 2,523,389, Sept. 26.

Osler, Wilbur F., Jr., Leonia, N. J. Flatiron. 2,517,229, Aug. 1.

Oslund, John E., Weathersfield, Conn. Die gauge. 2,527,758, Oct. 31.

Osman, Ralph T., Whitefish Bay, Wis. Dispenser for shortening having an extruding piston operatively connected to the closure for the dispensing opening. 2,533,282, Dec. 12.

Osmond, Charles W., assignor to Littleford Bros. Inc., Cincinnati, Ohio. Immersion heater for bituminous materials and the like. 2,494,260, Jan. 10.

Osmonson, Harold M., Royal Oak, Mich. Clamp device for garment hangers. 2,524,537, Oct. 3.

Osmun, Dean W., Houston, Tex. Grapple. 2,518,430, Aug. 8.

Osofsky, Florence, administratrix: *See*—
Loewy, Max.

Ospina-Racines, Eduardo, Bogota, Colombia. Compression control for internal-combustion engines. 2,506,810, May 9.

Ossbahr, Richard G., Sundbyberg, and O. L. Andersson, Lahall, assignors, by mesne assignments, to E. G. Gärdin, Stockholm, Sweden. Collapsible baby carriage. 2,534,986, Dec. 19.

Osswald, E., assignee: *See*—
Holzer, Tibor.

Oster, John, Manufacturing Company, assignee: *See*—
Brown, Ellis M.
Brown, Ellis M., and Forss.
Bylund, Eric.
Forss, Fritz V.
Van Armbruster, Cecil, and Bylund.

Oster Manufacturing Company, The, assignee: *See*—
Packer, Harry V.

Osterback, Alvin, Sand Point, Alaska. Automatic control for wind-driven propellers. 2,493,895, Jan. 10.

Osterberg, Harold, Buffalo, and A. H. Bennett, Kenmore, N. Y., assignors to American Optical Company, Southbridge, Mass. Microscope with variable polarizing and birefringent means for producing contrast in optical images. 2,516,905, Aug. 1.

Österdahl, Ragnar K., Stora Essingen, Sweden. Power transmission mechanism. 2,519,848, Aug. 22.

Ostergaard, Povl, Mount Lebanon, assignor to Gulf Oil Corporation, Pittsburgh, Pa. Method and apparatus for stripping fluidized solids. 2,519,150, Aug. 15.

Osterheld, Clark M., Stoughton, Wis., assignor to McGraw Electric Company, Elgin, Ill. Thermal retarder. 2,510,478, June 6.

Osterheld, Clark M., Stoughton, Wis., assignor to McGraw Electric Company, Elgin, Ill. Room heater. 2,511,540, June 13.

Osterheld, Clark M., Stoughton, Wis., assignor to McGraw Electric Company, Elgin, Ill. Egg baker. 2,518,566, Aug. 15.

Osterheld, Clark M., Stoughton, Wis., assignor to McGraw Electric Company, Elgin, Ill. Electric iron. 2,518,567, Aug. 15.

Osterheld, Clark M., Stoughton, Wis., assignor to McGraw Electric Company, Elgin, Ill. Electric iron. 2,520,774, Aug. 29.

Osterheld, Clark M., Stoughton, Wis., assignor to McGraw Electric Company, Elgin, Ill. Room heater. 2,520,775, Aug. 29.

Osterheld, Clark M., Stoughton, Wis., assignor to McGraw Electric Company, Elgin, Ill. Thermal retarder. 2,533,614, Dec. 12.

Osterheld, Clark M., Stoughton, Wis., assignor to McGraw Electric Company, Elgin, Ill. Water heater. 2,533,615, Dec. 12.

Osterhoudt, Walter J., Houston, Tex. Cable clamp and seal. 2,516,409, July 25.

Osterman, Joseph T., Northampton, and A. O. Ericksberg, assignors to American Bosch Corporation, Springfield, Mass. Ignition harness assembly. 2,503,406, Apr. 11.

Ostermann, Otto, Detroit, and E. Blendin, Walled Lake, assignors to Redford Iron & Equipment Company, Detroit, Mich. Core blowing machine. 2,512,871, June 27.

Osterlag, Robert, assignee: *See*—
Clarke, Douglas C.

Ostline, John E., Chicago, Ill., assignor to Automatic Electric Laboratories, Inc. Automatic charging and ticketing in automatic telephony. 2,500,374, Mar. 14.
Ostline, John E., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Automatic telephone system. 2,519,849, Aug. 22.
Ostline, John E., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Party identification in automatic telephony. 2,535,509, Dec. 26.
Ostline, John E., Chicago, Ill., assignor to Automatic Electric Laboratories, Inc. Dual rate and/or reversed charging in automatic telephony. 2,535,510, Dec. 26.
Ostline, John E., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Telephone system. 2,535,511, Dec. 26.
Ostline, John E., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Telephone system. 2,535,512, Dec. 26.
Ostline, John E., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Testing device for line identifying equipment. 2,535,513, Dec. 26.
Ostling William: *See*—
Young, Garth L., and Ostling.
Ostlund, Evert M., Montclair, N. J., M. Silver, Rego Park, and A. R. Vallarino, assignors to International Standard Electric Corporation, New York, N. Y. Resistance modulator for frequency modulation. 2,516,906, Aug. 1.
Östmar, Frans Eric Ossian, Finspong, Sweden. Balancing the axial thrust of elastic fluid compressors and turbines of the axial flow type. 2,530,477, Nov. 21.
Ostrander, Charles W., Baltimore, Md., assignor, by mesne assignments, to Rheem Manufacturing Company, San Francisco, Calif. Coating zinc or cadmium to impart corrosion and abrasion resistance. 2,497,905, Feb. 21.
Ostrander, Donald A., assignee: *See*—
Summers, Orran B.
Ostreicher, Warren J., New York, N. Y., assignor to Tele-Tone Radio Corporation. Keystoning circuit. 2,534,557, Dec. 19.
Ostreicher, Warren J., and R. S. Mautner, New York, N. Y., assignors to Tele-Tone Radio Corporation. Horizontal sweep circuit. 2,524,712, Oct. 3.
Ostrom, Cameron W., Seattle, Wash. Foldable reflector. 2,513,961, July 4.
Ostrow, Maxwell A., Washington, D. C. Support for garment hangers. 2,514,790, July 11.
O'Sullivan, James C. *See*—
O'Sullivan, Thomas L. and J. C.
O'Sullivan, John P., Brooklyn, N. Y. Travel lock and movable shield plate for field gun mounts. 2,500,959, Mar 21.
O'Sullivan, Paul J., Los Angeles, Calif. Exterminating rodents. 2,523,541, Sept. 26.
O'Sullivan, Thomas L. and J. C., Pittsburgh, Pa. Musical toy. 2,519,499, Aug. 22.
Oswald, Carl L., Weston, Vt. Safety outlet box with pilot light. 2,518,812, Aug. 15.
Oswald, Earl P., Oak Park City, Mich. Induction motor. 2,498,704, Feb. 28.
Oswald, James A., assignor to Central Commercial Company, Chicago, Ill. Musical instrument. 2,493,358, Jan. 3.
Oswald, James A., assignor to Central Commercial Company, Chicago, Ill. Vibrato system for electrical musical instruments. 2,506,679, May 9.
Oswald, Marcel, assignor to Societe Le Carbone-Lorraine, Paris, France. Manufacture of hard sintered alloys. 2,507,218, May 9.
Oswald, Marcel, assignor to Societe Le Carbone-Lorraine, Paris, France. Manufacture of tungsten and molybdenum carbides and sintered alloys. 2,509,838, May 30.
Oswald, Marcel V., assignor to Societe Le Carbone Lorraine, Paris, France. Artificial carbons for electrical and the like uses. 2,520,651, Aug. 29.
Oswego Falls Corporation, assignee: *See*—
Horning, Raymond H.
Wilcox, Isaac L.
Oswold, Oluf G., Rochester, assignor to International Business Machines Corporation, New York, N. Y. Justifying typewriter. 2,514,085, July 4.
Otallah, Gustandy, assignor of fifteen per cent to A. Shaheen, Detroit, Mich. Cigarette humidifier. 2,534,829, Dec. 19.
Othmer, Donald F., assignee: *See*—
Schmutzler, Alfred F.
Otis, Carl W., Rockville Centre, N. Y. Ornamental bubbling light. 2,520,691, Aug. 29.
Otis Elevator Company, assignee: *See*—
Bruns, William H.
Merker, David, and Brounn.
Paulson, Arthur W.
Sahlin, Eric A.
Otis Engineering Corporation, assignee: *See*—
Otis, Herbert C.
Otis, Herbert C., assignor of forty per cent to H. C. Otis, Jr., Dallas, Tex. Well packer. 2,506,680, May 9.
Otis, Herbert C., assignor to Otis Engineering Corporation, Dallas, Tex. Retrieving tool. 2,508,286, May 16.
Otis, Herbert C. and H. C., Jr., Dallas, Tex.; H. C. Otis, Jr., assignor to Herbert C. Otis. Well tool. 2,508,285, May 16.
Otis, Herbert C., Jr., assignee: *See*—
Otis, Herbert C.
Otis, Herbert C. and H. C., Jr.
Otis, Howard J., Kansas City, Mo. Traction clamp for tires. 2,518,170, Aug. 8.
Otis Pressure Control, Inc., assignee: *See*—
Hoffer, Temple P.
Miller, Ira A.
Otis, Stanley J., Madison, Wis. Clamp hanger. 2,516,481, July 25.
O'Toole, Estelle P.: *See*—
Needles, Henry L., and O'Toole.
Otreba, John, Jersey City, N. J. Figured wheeled toy. 2,514,510, July 11.
Ott, Albert and C., Ardsley, Pa. Roll-shaper supporting bracket. 2,520,165, Aug. 29.
Ott, Charles: *See*—
Ott, Albert and C.
Ott, Clarence J.: *See*—
Whetstone, Richard R., Ballard, and Ott.
Ott, Ernest B., assignor to Croname, Incorporated, Chicago, Ill. Etching process. 2,521,648, Sept. 5.
Ott, Friedrich, Frankfort-on-the-Main, Germany, assignor of fifty per cent interest to P. E. Quintus, Arlington, Va. Apparatus for generating acetylene gas. 2,535,227, Dec. 26.
Ott, John B., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Diphenyl-4,4'-di(sulfonyl azide). 2,518,249, Aug. 8.
Ott, John B., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Unsaturated alkyd foam resins. 2,529,512, Nov. 14.
Ott, John B., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Unsaturated alkyd foam resins. 2,532,240, Nov. 28.
Ott, John B., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Polyvinyl acetal foams. 2,532,241, Nov. 28.
Ott, John B., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Polystyrene foams. 2,532,242, Nov. 28.
Ott, John B., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Polyethylene foams. 2,532,243, Nov. 28.
Ott, John E., Hinsdale, assignor to Punch-Lok Company, Chicago, Ill. Ratchet wrench construction. 2,507,455, May 9.
Ott, Lawrence H., Pasadena, Calif., and J. T. Shewbridge, Baltimore, Md., assignors to Rheem Manufacturing Company, New York, N. Y. Producing transparent protective films on zinc or cadmium. 2,502,476, Apr. 4.
Ott, Oran W., San Marino, assignor to Trade-Wind Motorfans, Inc., Los Angeles, Calif. Fan accelerated radiator cabinet. 2,503,764, Apr. 11.
Ott, Oran W., San Marino, Calif. Air-heating furnace with automatically controlled air by-pass for preventing condensation. 2,521,866, Sept. 12.
Ott, Oran W., San Marino, Calif. Forced air heating system. 2,521,867, Sept. 12.
Ott, Roland E., Portland, Oreg. Door latch. 2,502,666, Apr. 4.
Ott, Walter, Bern, Switzerland. Roentgen-ray apparatus. 2,531,583, Nov. 28.
Ottawa River Paper Company, The, assignee: *See*—
De La Foret, Norman F.
Ottenbacher, Martin C., Fredonia, Wis. Self-unloading vehicle. 2,534,558, Dec. 19.
Ottenheimer, Reuben E., Baltimore, Md. Multiwalled structure. 2,525,717, Oct. 10.
Otterson, Einar, Bemidji, Minn. Ladder attachment. 2,503,351, Apr. 11.
Otterson, Oscar, Butler, assignor, by mesne assignments, to Schaefer Equipment Company, Pittsburgh, Pa. Trussed brake beam assembly. 2,525,368, Oct. 10.
Otterson, Oscar L., Butler, Pa. Three-in-one greeting card. 2,504,277, Apr. 18.
Ottinger, August F.: *See*—
Brady, Charles V., and Ottinger.
Ottinger, August F., assignor to Bemis Bro. Bag Company, St. Louis, Mo. Packaging lumped commodities. 2,502,586, Apr. 4.
Otto, Carl, Manhasset, N. Y. Process and apparatus for manufacture of ammonium sulfate. 2,509,520, May 30.
Otto, Charles H., Cedar Rapids, Iowa, assignor to C. W. Otto, Evanston, Ill. Feed trough for animals. 2,507,264, May 9.
Otto, Charles W., assignee: *See*—
Otto, Charles H.
Otto, Edward H., Detroit, Mich. Bake oven for baking various food products. 2,530,778, Nov. 21.
Otto, Ferdinand P., Woodbury, N. J., and R. E. Meyer, Cumberland, Md., assignors to Socony-Vacuum Oil Company, Incorporated. Sulfurized unsaturated ketones. 2,520,101, Aug. 22.
Otto, Hans P., San Francisco, Calif. Cylinder press embossing and producing the same. 2,533,834, Dec. 12.
Otto, Harry A., assignor to Hagan Corporation, Pittsburgh, Pa. Feeding device. 2,521,802, Sept. 12.
Otto, Harry A., assignor to Hagan Corporation, Pittsburgh, Pa. Vibration damping device. 2,529,883, Nov. 14.
Otto, Julian A.: *See*—
Gilbert, Everett E., and Otto.

Otto, Merritt M.: *See*—
Cislak, Francis E., and Otto.
Otto, Walter, Forest Hills, N. Y. Truck body. 2,504,222, Apr. 18.
Otto, Willard G., Downers Grove, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Cutterhead with constant length retaining cutters. 2,521,868, Sept. 12.
Ottoly, Ladis H., Chicago, Ill. Wheeled toy phonograph. 2,504,042, Apr. 11.
Ough, Lee D.: *See*—
Newton, John M., and Ough.
Oughton, Arthur C., Chicago, Ill. Disappearing sprinkler. 2,501,910, Mar. 28.
Ouimet, Emil R., Brockton, Mass. Welt and making the same. 2,517,347, Aug. 1.
Ouimette, Edward F., Swanton, assignor to Champlain Motors, Inc., St. Albans, Vt. Chuck. 2,524,468, Oct. 3.
Oulianoff, George, Rimington, near Clitheroe, assignor to Rolls-Royce Limited, Derby, England. Adjustable jet nozzle for jet propulsion units. 2,523,842, Sept. 26.
Our Savior's Evangelical Lutheran Church, assignee: *See*—
Sundholm, Edwin P.
Outterson, Charles R., and B. A. Ford, assignors to Albemarle Paper Manufacturing Company, Richmond, Va. Coating paper. 2,508,287, May 16.
Ovens, William G.: *See*—
Du Bois, George B., and Ovens.
Ovens, William G., Midland Park, N. J., assignor to Wright Aeronautical Corporation. Aircraft engine starting device. 2,518,712, Aug. 15.
Overacker, Horace C., Cambridge, Mass., assignor to the United States of America as represented by the Secretary of War. Tuning unit. 2,505,572, Apr. 25.
Overacker, Horace E.: *See*—
Jeffries, Carson D., and Overacker.
Overbeke, John, Cleveland Heights, Ohio. Filter fabric structure and making same. 2,517,704, Aug. 8.
Overby, Ruel, assignee: *See*—
Oliver, Gilbert L.
Overhoff, Johan: *See*—
Eilers, Herman, Overhoff, and Vlugter.
Overhoff, Johan, and H. W. Huyser, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif. Production of dispersions of reaction products of halogenated paraffins and alkaline polysulfides. 2,496,226, Jan. 31.
Overland, Leo D., Brooklyn, assignor to Ice Cream Novelties, Inc., New York, N. Y. Frozen confection molding apparatus. 2,500,006, Mar. 7.
Overland, Leo D., Brooklyn, N. Y. Making ice-cream sandwiches and to ice-cream sandwiches and wrappers therefor. 2,521,403, Sept. 5.
Overman, Harold S., Arlington, Va. Shelf. 2,527,228, Oct. 24.
Overman, Max C., assignor of two-thirds to H. C. Smyth, Jr., New York, N. Y. Pneumatic tire tread. 2,501,828, Mar. 28.
Overmander Machine, Inc., assignee: *See*—
Raypholtz, Kenneth A.
Overmyer, C P, Jr., assignor to Overmyer Mould Co., Winchester, Ind. Machine stop-check for jam-proofing dial indicators. 2,506,236, May 2.
Overmyer Mould Co., assignee: *See*—
Overmyer, C P, Jr.
Overmiter Manufacturing Corporation, assignee: *See*—
Grube, John H.
Overstedt, Ernest A., Detroit, Mich. Adjustable folding table. 2,522,296, Sept. 12.
Overton, Carl E., Chicago, Ill. Arbor. 2,532,934, Dec. 5.
Overton, John L., Seattle, Wash. Traveling bag combined with removable and continuously self-righting cosmetic tray. 2,529,569, Nov. 14.
Overturf, Raymond E.: *See*—
Miller, Theodore, Jensen, and Overturf.
Overweg, Johannes, assignor to Machinefabriek Gebr. Stork & Co., N. V., Hengelo, Netherlands. Centrifugal fan or centrifugal pump for two directions of rotation. 2,519,151, Aug. 15.
Owbridge, Herbert H., Burbank, Calif. Pattern sprinkler. 2,530,779, Nov. 21.
Owen, Albert G., Sharon, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Pneumatic rapper for electrostatic precipitators. 2,518,995, Aug. 15.
Owen, Charles C., assignor to Surface Combustion Corporation, Toledo, Ohio. Direct fired air heater. 2,518,364, Aug. 8.
Owen, Clyde, assignee: *See*—
Maddox, Lewis W.
Owen, Harold A.: *See*—
Spanel, Abraham N., Andrews, and Owen.
Owen, Harold A., assignor to International Latex Corporation, Dover, Del. Shoulder pad. 2,527,844, Oct. 31.
Owen, Harold P.: *See*—
Hatfield, Arch L., and Owen.
Owen, James R., Bartlesville, Okla., assignor to Phillips Petroleum Company. Preparation of pelleted alumina catalyst. 2,499,675, Mar. 7.
Owen, John J., Baton Rouge, La., assignor to Standard Oil Development Company. Preparation of aldehydes. 2,509,878, May 30.
Owen, John T., Bloomfield, assignor to Merck & Co., Inc., Rahway, N. J. Peanut products and preparing the same. 2,494,717, Jan. 17.
Owen, Lewis M., New York, N. Y. Illuminated mirror clock. 2,534,877, Dec. 19.
Owen, Lloyd J.: *See*—
McGibbon, Reginald H., Skillman, and Owen.
Owen, Raymond M., Jr., Greenwich, Conn. Tire strap puller. 2,497,956, Feb. 21.
Owen, Ronald V., Sale, England, assignor to Lever Brothers Company, Cambridge, Mass. Manufacture of soap. 2,525,936, Oct. 17.
Owen, Thomas W., Didsbury, Manchester, assignor to The British Cotton Industry Research Association, Manchester, England. Opening and cleaning of fibrous materials. 2,518,713, Aug. 15.
Owen, William A., Johnson City, Tenn. Excavator. 2,501,083, Mar. 21.
Owenby, Frank C., Marietta, Ga. Undergarment construction. 2,494,261, Jan. 10.
Owens, Annie L., Fort Worth, Tex. Belt-forming device. 2,530,988, Nov. 21.
Owens, Austin P., Highland Park, Mich. Slotting attachment for machine tools. 2,493,021, Jan. 3.
Owens, Charlotte P., San Antonio, Tex. Article of furniture. 2,499,773, Mar. 7.
Owens-Corning Fiberglas Corporation, assignee: *See*—
Courtright, Harry C.
Grant, John A.
Hillman, Charles H.
Hyde, James F.
Kirkbride, Chalmer G.
Lannan, George M.
Rees, Willis M.
Russell, Robert G., and Donnald.
Simison, Allen L., Billman, and Stream.
Slayter, Games.
Slayter, Games, and Fletcher.
Steinman, Robert.
Tooley, Fay V.
Tooley, Fay V., Russell and Wiley.
Wiley, Ronald E., and Russell.
Owens, Freeman H., New York, N. Y. Sound reproducing apparatus. 2,510,599, June 6.
Owens, Freeman H., New York, N. Y. Mechanism for adjusting and setting radios or other apparatus. 2,513,353, July 4.
Owens, Freeman H., New York, N. Y. Magnetic transducing apparatus. 2,513,423, July 4.
Owens, Freeman H., New York, N. Y. Radio voting and program recording. 2,514,086, July 4.
Owens, Freeman H., New York, N. Y. Disk record and film record sound reproducer. 2,519,597, Aug. 22.
Owens, Freeman H., New York, N. Y. Disk record and film record sound reproducer. 2,521,476, Sept. 5.
Owens, Freeman H., New York, N. Y. Intermittent grip positioning apparatus for control cams. 2,535,514, Dec. 26.
Owens, Harry S., Berkeley, Calif., assignor to United States of America as represented by the Secretary of Agriculture. Acid leaching of pectinous materials. 2,502,477, Apr. 4.
Owens, Harry S., R. M. McCready, and W. D. Maclay, Berkeley, Calif., assignors to the United States of America as represented by the Secretary of Agriculture. Neutralizing pectinic acid. 2,495,756, Jan. 31.
Owens, Harry S., Berkeley, and H. Lotzkar, Los Angeles, Calif., assignors to the United States of America as represented by the Secretary of Agriculture. Low-methoxyl polyvalent metal pectinate fibers. 2,495,757, Jan. 31.
Owens, Harry S., R. M. McCready, and W. D. Maclay, Berkeley, Calif., assignors to the United States of America as represented by the Secretary of Agriculture. Isolation of low-methoxyl pectins. 2,496,306, Feb. 7.
Owens, Harry S., Berkeley, and T. H. Schultz, Lafayette, Calif., assignors to the United States of America as represented by the Secretary of Agriculture. Coating of foods with pectinate films. 2,517,595, Aug. 8.
Owens, Harry S., Berkeley, and H. Lotzkar, Los Angeles, Calif., assignors to the United States of America as represented by the Secretary of Agriculture. Isolation of pectinic acids. 2,522,534, Sept. 19.
Owens, Hilda M., administratrix: *See*—
Owens, Paul C.
Owens-Illinois Glass Company, assignee: *See*—
Ball, Charles O.
Becht, Merrill A.
Bjering, Olav.
Bridges, Donald A.
Fraser, Lewis H. D.
Harker, John S.
Hohl, John, Barnby, and Wheaton.
Johnson, John R., and Duff.
McLaughlin, John E., Wilske, and McCormick.
Richter, Harry.
Serinis, Neo S.
Smith, Winfield F.
Sullivan, Emmet J., and Draper.
Owens, James B., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Fuse. 2,523,139, Sept. 19.
Owens, Jay C.: *See*—
Cryer, John, Owens, and Lee.

Owens, Jesse C., Los Angeles, Calif. Marginal fastener strip for carpets. 2,514,335, July 4.
Owens, Josephine L., assignee: *See*—
Forbes, Samuel.
Owens, Paul C., deceased, late of Cleveland, Ohio; by Hilda M. Owens, administratrix, Cleveland, Ohio. Cover plate connection. 2,522,057, Sept. 12.
Owens, Robert S., Brooklyn, N. Y. Stitched sheet product. 2,514,412, July 11.
Owens, Roland: *See*—
Miner, William W. Jr., Owens, and Ray.
Owens, Roland, Verdon, Nebr. Feeder and deliverer for hay manglers. 2,501,911, Mar. 28.
Owens, Thomas B., Cleveland, Ohio. Combination portable workbench and tool kit. 2,504,722, Apr. 18.
Owens, Thomas B., Cleveland, Ohio. Holder for signals and the like. 2,515,793, July 18.
Owler, Robert N.: *See*—
Hendrickson, Severin B., and Owler.
Ownbey, Lloyd C., Los Angeles, Calif., assignor to Theatre Specialties, Incorporated. Translucent letter. 2,501,084, Mar. 21.
Owner, Frank M., and F. C. I. Marchant, assignors to The Bristol Aeroplane Company Limited, Bristol, England. Gas turbine power plant for aircraft. 2,508,288, May 16.
Owner, Frank M., and A. G. Henstridge, assignors to The Bristol Aeroplane Company Limited, Bristol, England. Supporting gas-turbine power plants. 2,529,958, Nov. 14.
Oxley, Frederick W., Clinton, and R. L. Holmes, Naval Base, S. C., assignors to Raybestos-Manhattan, Inc., Passaic, N. J. Sorting table pad. 2,518,171, Aug. 8.
Oxley, Douglas A. J., Banbury, England. Electric switchgear. 2,493,689, Jan. 3.
Oxman, Jack: *See*—
Pincus, Sidney L., and Oxman.
Oy, Ardo Ab., assignee: *See*—
Nordström, Johan A.
Ozai-Durrani, Ataullah K., Stuttgart, Ark. Treating rice. 2,498,573. Feb. 21.
Ozanich, Anthony R.: *See*—
Fine, Leslie, and Ozanich.
P. M. Stamping Device Company Limited, assignee: *See*—
Morin, Paul E.
P & V-Atlas Industrial Center, Inc., assignee: *See*—
Vogel, Theodore F., and Hartman and Finlayson.
Pääbo, Max, Norrkoping, Sweden. Loom. 2,519,786. Aug. 22.
Paasche, Jens A., Chicago, Ill. Abrasive gun. 2,526,403, Oct. 17.
Paasche, Jens A., Chicago, Ill. Multiple fluid airbrush. 2,532,187, Nov. 28.
Pablovich, Angelo: *See*—
Geraci, Lester, and Pablovich.
Pabst, Arthur C.: *See*—
Neman, Warren A., Killingsworth, and Pabst.
Pabst, Arthur C., Douglaston, and E. S. Salmon, New York, N. Y., assignors to Socony-Vacuum Oil Company, Incorporated. Metal cleaning composition. 2,524,825, Oct. 10.
Pabst, Arthur C., Douglaston, and E. S. Salmon, New York, N. Y., assignors to Socony-Vacuum Oil Company, Incorporated. Metal cleaning composition. 2,525,078, Oct. 10.
Pabst Brewing Company, assignee: *See*—
Rue, Harold E.
Pabst, Richard E., assignor to Ed Friedrich, Inc., San Antonio, Tex. Low-temperature defrosting system. 2,525,560, Oct. 10.
Pacciano, Matthew, Jr., Brooklyn, N. Y. Refrigerated meat grinding machine. 2,526,498, Oct. 17.
Pace, Edgar H., Montebello, and M. H. Pace, Whittier, Calif. Apparatus for freezing fluids. 2,533,616, Dec. 12.
Pace, Henry A., assignor to Wingfoot Corporation, Akron, Ohio. Ether-carbonates and polymers. 2,510,600, June 6.
Pace, Henry A., assignor to Wingfoot Corporation, Akron, Ohio. Producing pigmented resins. 2,533,196, Dec. 5.
Pace, John H., assignee: *See*—
Hamilton, Howard.
Pace, Mac H.: *See*—
Pace, Edgar H. and M. H.
Pace Tool Manufacturing Co., Inc., assignee: *See*—
Pace, Virgil.
Pace, Virgil, assignor to Pace Tool Manufacturing Co., Inc., Hattiesburg, Miss. Special use adapter for lifting jacks. 2,509,165, May 23.
Pacent, Louis G., Jr., assignor, by mesne assignments, to Jensen Manufacturing Company, Chicago, Ill. Wire-tinning and cutting machine. 2,527,275, Oct. 24.
Pacey, Derek J.: *See*—
Ambrose, Edmund J., Pacey, and Salmon.
Pach, Roy, Minneapolis, Minn. Nozzle for cutting torches. 2,499,524, Mar. 7.
Pacific Airmotive Corporation, assignee: *See*—
Von Migula, Gerhard.
Pacific All-Fiber Drums, Inc., assignee: *See*—
Simons, Herbert R.
Pacific American Fisheries, Inc., assignee: *See*—
Berglund, Ralph M.
Hube, Gottfried E., and Finsberg.
Pacific Bridge Company, assignee: *See*—
Vendensky, Dmitri.
Pacific Can Company, assignee: *See*—
Bourland, Eli.
Peterson, William B., Jr., and Koeberle.
Pacific Car and Foundry Company, assignee: *See*—
Schou, Carl E.
Pacific Chemical & Fertilizer Company, assignee: *See*—
Payne, John H.
Payne, John H., and Kortschak.
Pacific Flush Tank Company, assignee: *See*—
Schlenz, Harry E.
Pacific Marine Supply Company, assignee: *See*—
Harvey, Francis A.
Pacific Mills, assignee: *See*—
Lindsay, John O.
Musser, David M.
Shann, William E.
Wilkie, Robert C.
Pacific Pumps, Inc., assignee: *See*—
Ecker, Murray F.
Pack, Herschel G., San Mateo, Calif. Thermoelectric generator. 2,516,719, July 25.
Pack, Herschel G., Bakersfield, Calif. Thermoelectric generator. 2,530,907, Nov. 21.
Pack, John H., Sr., assignee: *See*—
Light, Denvil, and Pack, Sr.
Pack, Samuel B., assignee: *See*—
Crook, Louis H.
Package Machinery Company, assignee: *See*—
Lyon, Norman W.
Lyon, Norman W., and Luczek.
Packard, Lawrence A., Jr., Glendale, Calif. Battery operated fluorescent lamp. 2,511,939, June 20.
Packard, Lucius E., assignor to Technology Instrument Corporation, Waltham, Mass. Variable resistor. 2,511,807, June 13.
Packard Motor Car Company, assignee: *See*—
Foley, Jerald E.
Grimm, George E.
Kline, Alvin J., and Frailing.
Lucia, Carroll J.
McFarland, Forest R.
Storey, Frank E.
Van Deventer, Ralph E.
Vincent, Jesse G.
Ware, Marsden.
Packer, Charles S., Chicago, and M. R. Olsen, Glen Ellyn, assignors to Justrite Manufacturing Company, Chicago, Ill. Headlight lantern. Re. 23,193. Jan. 31.
Packer, Charles S., Chicago, and M. R. Olsen, Glen Ellyn, assignors to Justrite Manufacturing Company, Chicago, Ill. Portable electric lantern. 2,502,169, Mar. 28.
Packer, Clifford I., Meriden, P. R. Nickerson, Yalesville, and J. F. Harper, Portland, assignors to The Packer Machine Company, Meriden, Conn. Polishing machine. 2,507,677, May 16.
Packer, Harry V., East Cleveland, assignor to The Oster Manufacturing Company, Cleveland, Ohio. Bar feed mechanism. 2,518,172, Aug. 8.
Packer, Harry V., assignor to The Oster Manufacturing Company, Cleveland, Ohio. Rotating die head with cam operated radial chasers. 2,534,878, Dec. 19.
Packer, Howard, Chicago, Ill., assignor to Witco Chemical Company. Stabilized metallic soaps. 2,531,460, Nov. 28.
Packer Machine Company, The, assignee: *See*—
Packer, Clifford I., Nickerson, and Harper.
Packers Supply Company, Limited, assignee: *See*—
Gillman, William C.
Packheiser, Joseph A., Chicago, Ill. Picture frame. 2,511,785, June 13.
Packle, John W.: *See*—
Rupp, Walter H., and Packle.
Packwood, Heza H., Baton Rouge, La. Lawn mower. 2,509,936, May 30.
Padbury, John J.: *See*—
Kropa, Edward L., and Padbury.
Padbury, John J., Stamford, and E. L. Kropa, Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Tetrafluorosuccinic acid derivatives and their preparation. 2,502,478, Apr. 4.
Paden, Charles G., Linglestown, Pa. Apparatus for cleansing eggs in bulk. 2,520,889, Aug. 29.
Paden, Frederick T., Collingswood, N. J. Metal burial casket. 2,494,577, Jan. 17.
Paden, Frederick T., Collingswood, N. J. Metal burial casket. 2,503,293, Apr. 11.
Paden, Frederick T., United States Army, Collingswood, N. J. Smoking stand. 2,511,001, June 13.
Paden, Frederick T., Collingswood, N. J. Inner seal casket. 2,511,871, June 20.
Paden, Joseph H.: *See*—
Swain, Robert C., and Paden.
Paden, Joseph H., and A. F. MacLean, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Dicyandiamide acid sulfate. 2,512,037, June 20.
Paden, William L.: *See*—
Christian, Raymond A., and Paden.
Padgett, Benjamin L., Washington, D. C. Illuminated signboard. 2,515,664, July 18.
Padgett, Grady, Beaver, Pa. Coke oven with horizontal regenerators. 2,501,786, Mar. 28.
Padgett, Grady, Beaver, Pa. Discharge means for coke ovens. 2,529,046, Nov. 7.

Padgitt, Frank L., Baton Rouge, La., assignor to Ethyl Corporation, New York, N. Y. Disposal of mixtures of metallic sodium and calcium. 2,527,443, Oct. 24.
Padgitt, Frank L., Baton Rouge, La., assignor to Ethyl Corporation, New York, N. Y. Recovery of chlorinated hydrocarbons. 2,531,361, Nov. 21.
Padgitt, Frank L., and G. F. Kirby, Baton Rouge, La., assignors to Ethyl Corporation, New York, N. Y. Manufacture of hydrocarbon halides. 2,522,687, Sept. 19.
Padmos, Adriaan A.: *See*—
Gooskens, Henricus, Elenbaas, and Padmos.
Padmos, Adriaan A., and P. Schouwstra, Eindhoven, Netherlands, assignors to General Electric Company, Schenectady, N. Y. Electric gas-discharge tube. 2,497,512, Feb. 14.
Paessler, Eric W., Hackensack, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Automatic position control apparatus. 2,526,152, Oct. 17.
Paff, Chester: *See*—
Sanders, Louis, and Paff.
Page, Albert E., assignor to Scott & Williams, Incorporated, Laconia, N. H. Stocking. 2,501,353, Mar. 21.
Page, Albert E. and F. R., assignors to Scott & Williams, Incorporated, Laconia, N. H. Pattern mechanism for knitting machines. 2,498,092, Feb. 21.
Page, Ancel S., Portland, Oreg. Foldable trailer loading beam for trucks. 2,506,034, May 2.
Page, Ancel S., Portland, Oreg. Steering assembly for loaded trucks and trailers. 2,520,776, Aug. 29.
Page, Ancel S., Portland, Oreg. Utilizing brake torque in a vehicle suspension. 2,520,777, Aug. 29.
Page, Ancel S., Portland, Oreg. Dual axle vehicle suspension. 2,520,778, Aug. 29.
Page, Benjamin S.: *See*—
Phinney, John A., Page, and Ayton.
Page, Carl M., Van Nuys, Calif. Flammable gas detector. 2,535,950, Dec. 26.
Page, Chester A., Bay Shore, N. Y. Fastener for wrist bands. 2,522,396, Sept. 12.
Page, Clarence, assignor to Page and Cox, Detroit, Mich. Adjustable range egg-sorting machine. 2,517,341, Aug. 1.
Page, Clarence, assignor to Page and Cox, Detroit, Mich. Egg rearranging and feeding device. 2,531,292, Nov. 21.
Page and Cox, assignee: *See*—
Page, Clarence.
Page, Frank R.: *See*—
Page, Albert E. and F. R.
Page, Frank R., assignor to Scott & Williams, Incorporated, Laconia, N. H. Circular knitting machine. 2,503,838, Apr. 11.
Page, Frank R., assignor to Scott & Williams, Incorporated, Laconia, N. H. Sinker cam mechanism for circular knitting machines and operating a circular knitting machine. 2,529,181, Nov. 7.
Page, Herbert E., Alhambra, Calif. Compass and inclinometer. 2,513,044, June 27.
Page, Herbert E., Oakwood, Ohio. Multihead dry shaver. 2,526,153, Oct. 17.
Page, John H., assignor to The Shaw-Walker Company, Muskegon, Mich. Fire-resisting cabinet construction. 2,493,690, Jan. 3.
Page, John H., North Muskegon, assignor to The Shaw-Walker Company, Muskegon, Mich. Lock for cabinets. 2,515,421, July 18.
Page, John S., assignor to Page Oil Tools Inc., Long Beach, Calif. Joint for pipe sections or the like. 2,509,363, May 30.
Page, John S., assignor to Page Oil Tools Inc., Long Beach, Calif. Hydraulically operated anchor for tubing or the like. 2,532,418, Dec. 5.
Page, John S., assignor to Page Oil Tools Inc., Long Beach, Calif. Combined anchor and packer for use in wells. 2,534,528, Dec. 19.
Page, John S., assignor to Page Oil Tools Inc., Long Beach, Calif. Slip mechanism for well tools. 2,534,529, Dec. 19.
Page Oil Tools Inc., assignee: *See*—
Page, John S.
Page, Ralph E.: *See*—
Beattie, Horace S., and Page.
Dean, Kenneth W., Beattie, and Page.
Rabenda, Edward J., Page, and Beattie.
Page, Richard W., Chappaqua, N. Y. Fluid supply for dental engines. 2,503,294, Apr. 11.
Page, Robert M., Washington, D. C. Radio pulse duplexing system. 2,512,673, June 27.
Page, Robert M., Washington, D. C. Radio echo device for velocity determination. 2,520,166, Aug. 29.
Page, Robert M., Washington, D. C., M. F. Distad, Cheverly, Md., and L. V. Blake, Washington, D. C. Ring-mounted oscillator. 2,493,775, Jan. 10.
Page, Ronald: *See*—
Hammond, Alan R. and J., and Page.
Page, Walter R., Carpinteria, Calif. Heating oven for laminated glass. 2,515,731, July 18.
Pagel, Robert, Washington, D. C. Self-disinfecting arrangement. 2,527,955, Oct. 31.
Pagendarm, John F., Oakland, Calif., assignor to Bemiss-Jason Company. Device for forming paper boxes. 2,524,133, Oct. 3.
Pagenkopf, Sigmund: *See*—
Babits, Louis, Fishman, and Pagenkopf.
Paget, Peter S., Mangotsfield, near Bristol, England. Appliance for grinding the contact points of contact breakers. 2,532,512, Dec. 5.
Pagett, Louis W., Chicago, Ill. Tripod or stand. 2,502,667, Apr. 4.
Pagliarulo, Vincent, Los Angeles, Calif., assignor to Western Electric Company, Incorporated, New York, N. Y. Light modulating system. 2,515,054, July 11.
Pagliuso, Robert J., Glendale, Calif. Splined diffuser nozzle. 2,511,368, June 13.
Pagnard, Georges F., Moutier, Switzerland. Watch winding and hand-setting means. 2,524,470, Oct. 3.
Pagnotta, Albert P., assignee: *See*—
Serafini, Luigi.
Pahl, Leo F.: *See*—
Enkur, Edward M., Pahl, and Lauve.
Paiement, Joseph, Pointe Claire, Quebec, Canada. Loading and unloading mechanism for vehicles. 2,523,916, Sept. 26.
Paige Electrical Products Corp., assignee: *See*—
Paige, Isaac A.
Paige, Isaac A., Chicago, Ill. Combination heater and cooking stove. 2,505,200, Apr. 25.
Paige, Isaac A., assignor to Paige Electrical Products Corp., Chicago, Ill. Cable end connector. 2,514,336, July 4.
Paige, Julius J., Brooklyn, N. Y. Waterproof shield for men's undergarments. 2,495,863, Jan. 31.
Paige, Richard E., New York, N. Y. Curved score display device. 2,509,397, May 30.
Paige, Richard E., New York, N. Y. Instructional target-sighting device. 2,510,413, June 6.
Paige, Richard E., New York, N. Y. Display container. 2,521,184, Sept. 5.
Paillais, Jean M., alias: *See*—
Foufounis, Jean T.
Paillais, Jean M., alias Foufounis, Paris, France. Self view finder for portrait photography. 2,496,404, Feb. 7.
Paillard S. A., assignee: *See*—
Thévenaz, Jean.
Paillard S. A., (Paillard A. G.), Paillard Limited: *See*—
Prezioso, Giuseppe.
Paillard S. A. (Paillard A. G., Paillard Limited), assignee: *See*—
Ascoli, Enzo.
Paillard S. A., Sainte Croix, assignee: *See*—
Thevenaz, Jean.
Thorens, André.
Paille, Eugene, Los Angeles, assignor to General Controls Co., Glendale, Calif. Magnetically-controlled valve. 2,531,824, Nov. 28.
Paine, George R., and W. C. Platt, Pleasantville, N. Y., assignors to General Precision Laboratory Incorporated. Radio navigation system. 2,497,513, Feb. 14.
Paine, Gilbert S., Dallas, Tex. Vehicle suspension. 2,515,379, July 18.
Paine, Louis A., West Lafayette, assignor to Duncan Electric Manufacturing Company, La Fayette, Ind. Thermal demand meter motor unit. 2,509,364, May 30.
Paine, Louis A., West Lafayette, assignor to Duncan Electric Manufacturing Company, La Fayette, Ind. Combined adjustment and temperature compensator. 2,523,514, Sept. 26.
Paine, Louis A., and R. A. Road, West Lafayette, assignors to Duncan Electric Manufacturing Company, La Fayette, Ind. Grease-dampened pointer. 2,518,928, Aug. 15.
Paine, Wilbur V.: *See*—
Smith, Lester C., and Paine.
Paine, Wilbur V., East Hartford, assignor to The Spencer Turbine Company, Hartford, Conn. Machine and process for separating liquid from sludge. 2,533,395, Dec. 12.
Painter, Erle V., Jr., Newtonville, assignor to Fabric Research Laboratories, Inc., Boston, Mass. Wet spinning of textile fibers. 2,493,359, Jan. 3.
Painter, William L., Venice, Calif. Cigar lighter. 2,524,074, Oct. 3.
Painting, Delmar E., and F. A. Farnbach, Phoeniz, Ariz., said Farnbach assignor to said Painting. Feed mixer. 2,502,170, Mar. 28.
Paintr, E. Z., Corporation, assignee: *See*—
Touchett, Lawrence P.
Paist, Walter D.: *See*—
Birnbaum, Leo S., Prichard, and Paist.
Paist, Walter D., Orange, N. J., assignor to Celanese Corporation of America. Treatment of cellulose propionate. 2,523,390, Sept. 26.
Pait, Waid C., Bladenboro, N. C. Mixing device for oil burners. 2,524,471, Oct. 3.
Pajari, Yrjo: *See*—
Trotter, Charles, and Pajari.
Pajes, Wolf S., assignor to Federal Telecommunication Labs., Inc., New York, N. Y. Electric current generator. 2,524,826, Oct. 3.
Pajes, Wolf S., New York, N. Y., and R. E. Downing, Cambridge, Mass., assignors to Federal Telephone and Radio Corporation, New York, N. Y. Electron discharge device. 2,528,541, Nov. 7.
Pakala, William E.: *See*—
Boyer, John L., and Pakala.

Pakala, William E., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control apparatus responsive to positional changes. 2,512,372, June 20.
Pakala, William E., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Arc welding apparatus. 2,516,016, July 18.
Pakala, William E., Forest Hills, Pa., and H. A. Rose, Seattle, Wash., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Vapor electric device. 2,512,373, June 20.
Pako Corporation, assignee: *See*—
Armstrong, Robert W., Sardeson, and Savela.
Palace Corporation, assignee: *See*—
Arehart, David D.
Palermo, Dominic J., assignor to Victor Industries Corporation, Brooklyn, N. Y. Selective spraying machine for containers. 2,505,063, Apr. 25.
Palermo, Dominic J., assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Machine for internally spraying collapsible tubes. 2,512,581, June 20.
Paley, Lewis A., Aurora, Ill. Purifying sugar juice. 2,522,797, Sept. 19.
Paley, Maurice, New York, N. Y. Coat. 2,507,575, May 16.
Palin, Johan H., Stockholm, Sweden. Puzzle. 2,516,410, July 25.
Pallenberg, Christian: *See*—
Telfor, Clarence F., and Pallenberg.
Pallet Devices, Inc., assignee: *See*—
Brandon, Martin, Robinson, and Budd.
Budd, Larry J.
Palm, Anders O., assignor of one-half to N. G. Hoglander and T. F. Moberg, Stockholm, Sweden. Foldable sheet. 2,525,937, Oct. 17.
Palm, George H., assignor to Stewart-Warner Corporation, Chicago, Ill. Hose reel. 2,496,489, Feb. 7.
Palm, George H., assignor to Stewart-Warner Corporation, Chicago, Ill. Hose reel. 2,519,064, Aug. 15.
Palm, Herbert E., and C. M. Gilpin, Manheim, Pa., assignors to Raybestos-Manhattan, Inc., Passaic, N. J. Reinforced asbestos roving, sliver, or yarn. 2,503,237, Apr. 11.
Palmatier, Everett P.: *See*—
Chillson, Charles W., and Palmatier.
Palmatier, Everett P., Solvay, N. Y., assignor to Curtiss-Wright Corporation. System for supplying heated air for use on aircraft. 2,499,832, Mar. 7.
Palmatier, Everett P., Solvay, N. Y., assignor to Curtiss-Wright Corporation. Deicing system for aircraft propellers. 2,529,102, Nov. 7.
Palmatier, Everett P., Solvay, N. Y., assignor to Curtiss-Wright Corporation. Spinner deicing system. 2,529,103, Nov. 7.
Palmatier, Everett P., Upper Montclair, N. J., assignor to Curtiss-Wright Corporation. Fan deicing or antiicing means. 2,499,831, Mar. 7.
Palmatier, Everett P., Upper Montclair, N. J., assignor to Curtiss-Wright Corporation. Deicing system for aircraft surfaces. 2,503,451, Apr. 11.
Palmatier, Everett P., Upper Montclair, N. J., assignor to Curtiss-Wright Corporation. Deicing system for aircraft. 2,507,044, May 9.
Palmer, Albert, Worcester, and O. V. Payne, Leicester, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Warp beam for looms. 2,496,228, Jan. 31.
Palmer, Bernard T., Arlington, Va. Gauge line holder. 2,508,076, May 16.
Palmer, Charles E., Chicago, Ill., assignor to Frank D. Palmer, Incorporated. Weight controlled volumetric filling mechanism. 2,503,295, Apr. 11.
Palmer, Charles E., and F. J. Kostohryz, Chicago, Ill., assignors to Frank D. Palmer, Incorporated. Packaging machine. 2,523,667, Sept. 26.
Palmer, Charles M., Washington, D. C., assignor to Speed Products Company, Inc., New York, N. Y. Pocket stapling machine. 2,495,385, Jan. 24.
Palmer, Clayton D., Albert Lea, Minn. Baitless trap for minnows and small fish. 2,533,617, Dec. 12.
Palmer, Delos M., Toledo, Ohio. Thermal alarm device. 2,533,835, Dec. 12.
Palmer, De Witt H., Cincinnati, Ohio. Oil reconditioning or clarifying apparatus. 2,496,888, Feb. 7.
Palmer, Edwin, assignor by mesne assignments, to Moorehead Manufacturing Co., Inc., Baltimore, Md. Preparing cocoa extracts. 2,515,794, July 18.
Palmer, Frank D., Incorporated, assignee: *See*—
Palmer, Charles E.
Palmer, Charles E., and Kostohryz.
Palmer, George, assignor to G. Stibbe & Co. Limited, Leicester, England. Yarn trapping mechanism for circular knitting machines. 2,527,069, Oct. 24.
Palmer, George H., Fanwood, assignor to The M. W. Kellogg Company, Jersey City, N. J. Refining fatty oils. 2,505,338, Apr. 25.
Palmer, Gilbert H., Ardmore, Okla. Spark plug. 2,498,822, Feb. 28.
Palmer, Harry B., assignor to American Character Doll Co., New York, N. Y. Combined doll's cradle and sound-producing means. 2,505,626, Apr. 25.
Palmer, Helen A., Des Moines, Iowa. Baking utensil. 2,522,397, Sept. 12.
Palmer, James P., Hawthorne, N. Y., assignor to General Precision Laboratory Incorporated. Relay servo. 2,497,514, Feb. 14.
Palmer, John H., Milford, Conn., assignor to General Electric Company. Locking means for clothes-washing machines. 2,497,685, Feb. 14.
Palmer, John S.: *See*—
Borgerd, William F., Palmer, and Hinkel.
Palmer, John S., Evansville, Ind., assignor to International Harvester Company. Large diameter crankshaft for motor compressors. 2,524,207, Oct. 3.
Palmer, Kenneth G., Chicago, Ill. Therapeutic table with adjustable section top. 2,516,482, July 25.
Palmer, Lawrence R.: *See*—
Dabbs, Lucian R., and Palmer.
Palmer, R. T., Sharon, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrostatic precipitator. 2,526,402, Oct. 17.
Palmer, Ralph A., St. Joseph, Mich. Dynamic balancing. 2,522,958, Sept. 19.
Palmer, Ralph L., Poughkeepsie, assignor to International Business Machines Corporation, New York, N. Y. Bucking trigger circuit. 2,524,134, Oct. 3.
Palmer, Raymond C., Chicago, Ill. Feed adjustment device. 2,535,228, Dec. 26.
Palmer, Richard N.: *See*—
Elliott, Collier A., and Palmer.
Palmer, Robert P., Steubenville, Ohio. Electric arc welding. 2,494,718, Jan. 17.
Palmer, Robert R., Baton Rouge, La. Face mask or shield. 2,525,236, Oct. 10.
Palmer, Roy A., St. Paul, Minn. Corner protector. 2,500,563, Mar. 14.
Palmer, W. A., Films, Inc., assignee: *See*—
Mullin, John T.
Palmer, Wallace G., Jr., Rochester, N. Y. Combination kitchen cabinet and table. 2,499,873, Mar. 7.
Palmer, William H., Summit, and P. H. Wells, Chatham, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Network for balancing the sea return impedance of submarine cables. 2,524,075, Oct. 3.
Palnut Company, The, assignee: *See*—
Johnson, Edward L.
Palotsee, John J., Youngstown, Ohio. Washing machine having rotary basket and impeller. Re. 23,264, Aug. 29.
Palsgrove, Merlin E., Columbus, Ohio. Oil burner. 2,512,374, June 20.
Paluev, Konstantin K., Pittsfield, Mass., assignor to General Electric Company. Liquid cooling means for electrical apparatus. 2,525,457, Oct. 10.
Palumbo, Henry J., Somerville, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Sheet packing and manufacture. 2,530,906, Nov. 21.
Palya, Albert: *See*—
Schoeppel, John F., and Palya.
Pampallona, Vincent, New York, N. Y. Window. 2,524,924, Oct. 10.
Pan, Wen Y., Merchantville, N. J., and J. Longo, Philadelphia, Pa., assignors to Radio Corporation of America. Band-spread tuning inductance device. 2,528,167, Oct. 31.
Pan American Refining Corporation, assignee: *See*—
Brandt, Preston L.
Brandt, Preston L., Lee, and Ridgway.
Radford, Herschel D.
Radford, Herschel D., and Lee.
Radford, Hershel D., Lee, and Drennan.
Ridgway, John A., Jr.
Ridgway, John A., Jr., and Hill.
Smith, Frank J.
Pancoast, Harry M., Jr.: *See*—
Kalmar, Arthur F., Kilburn, and Pancoast, Jr.
Pandel, Sam, assignee: *See*—
Care, Thomas, and Sievern.
Pandele, Charles L., Grand Rapids, Mich. Laundry rack. 2,520,371, Aug. 29.
Pandorf, Victor H., Cincinnati, Ohio. Nasal filter. 2,535,155, Dec. 26.
Panepinto Mfg. Corp., assignee: *See*—
Catalano, Frank P. J. P., and P. P.
Paner, Elmer F., Detroit, Mich. Hydropneumatic pressure booster and welding gun. 2,496,104, Jan. 31.
Panes, Isidore, New York, N. Y. Brassière. 2,523,715, Sept. 26.
Paneva Corporation, assignee: *See*—
Anderson, Lloyd L., Hefferan, and Ellison.
Pangborn Corporation, assignee: *See*—
Huyett, Robert B.
Keefer, Walter L.
Panhard, Jean, assignor to Societe Anonyme des Anciens Etablessements Panhard & Levassor, Paris, France. Valve return device. 2,534,621, Dec. 19.
Panik, Joseph J., Detroit, Mich. Handcar-coaster wagon. 2,495,128, Jan. 17.
Panik, Joseph J., and W. T. Wilbur, assignors to United States Engineering Co., Detroit, Mich. Welding gun. 2,506,277, May 2.
Panish, Erwin J., Bridgeport, Conn. Combined remote and proximal control device. 2,529,182, Nov. 7.
Panish, Erwin J., Bridgeport, Conn. Control device for prime movers. 2,534,729, Dec. 19.

Panizzon, Leandro: *See*—
Hartmann, Max, and Panizzon.
Pankhurst, Kenneth G. A.: *See*—
Hart, John A. H., Pankhurst, and Smith.
Panner, Elmer N., assignor to O. M. Panner, Shawnee, Okla. Pressure regulator. 2,509,839, May 30.
Panner, Owen M., assignee: *See*—
Panner, Elmer N.
Panofsky, Wolfgang K. H., Pasadena, Calif., assignor to the United States of America as represented by the Secretary of the Navy. Aperiodic stabilizer for instruments on ships. 2,514,290, July 4.
Panoramic Laboratories: *See*—
Wallace, Marcel.
Panoramic Laboratories, assignee: *See*—
Hurvitz, Hyman.
Panoramic Radio Corporation, assignee: *See*—
Heller, Joseph I.
Hurvitz, Hyman.
Wallace, Marcel.
Wallace, Marcel, and Ieu-Liang Wu.
Panosian, James S., assignor to Graflex, Inc., Rochester, N. Y. Photographic film holder light seal. 2,497,270, Feb. 14.
Pantalone, Vincent R.: *See*—
Elliott, Charles I., and Pantalone.
Pantalone, Vincent R., Hamden, assignor to National Folding Box Company, Inc., New Haven, Conn. Folding carton. 2,523,250, Sept. 19.
Pantalone, Vincent R., Hamden, and M. I. Williamson, assignors to National Folding Box Company, Inc., New Haven, Conn. Round cornered folding box. 2,523,251, Sept. 19.
Pantex Manufacturing Corporation, assignee: *See*—
Lornitzo, Frank C.
Monsarrat, Nicholas.
Panthofer, Ernest H., assignor to Perfex Corporation, Milwaukee, Wis. Combination radiator and oil cooler. 2,505,790, May 2.
Panton, Charles D., Eldred, Pa. Check valve. 2,495,542, Jan. 24.
Panzer, Allan, assignee: *See*—
Foltis, Anestis.
Paolantonio, Antonio, Johnston, R. I., assignor to Colonial Knife Company, Inc. Package for knives. 2,535,229, Dec. 26.
Paolella, Alfred: *See*—
Paolella, Philip and Alfred.
Paolella, Philip, assignor to Plasticrete Corporation, Hamden, Conn. Fireplace. 2,499,156, Feb. 28.
Paolella, Philip and Alfred, assignors to Plasticrete Corporation, Hamden, Conn. Building block. 2,493,547, Jan. 3.
Paoli, Ettore E., New York, N. Y. Canapé decorating and retaining stand. 2,504,871, Apr. 18.
Papa, Domenick: *See*—
Schwenk, Erwin, and Papa.
Sperber, Nathan, and Papa.
Sperber, Nathan, Papa, and Schwenk.
Papa, Domenick, Brooklyn, N. Y., and E. Schwenk, Montclair, assignors to Schering Corporation, Bloomfield, N. J. Iodinated hydroxyaryl-aryloxy-aliphatic acids and their thio analogs. 2,503,296, Apr. 11.
Papa, Domenick, Brooklyn, N. Y., and E. Schwenk, Montclair, assignors to Schering Corporation, Bloomfield, N. J. Halogen substituted polycyclic aryl aliphatic acids. 2,524,827, Oct. 10.
Papa, Domenick, Brooklyn, N. Y., and E. Schwenk, Montclair, assignors to Schering Corporation, Bloomfield, N. J. Halogenhydroxyarylaliphatic acids. 2,528,542, Nov. 7.
Papalexis, James, Ashtabula, and O. W. Johnson, Geneva, Ohio. Garment holder. 2,524,396, Oct. 3.
Papalia, Rocco, Bridgeport, Conn. Nail driving apparatus. 2,498,503, Feb. 21.
Pape, August H., Kentfield, assignor of one-half to C. J. Grieder, San Francisco, Calif. Bait-clamping fishhook. 2,501,085, Mar. 21.
Pape, Carl H. V., Hellerup, near Copenhagen, assignor to O. Andersen, Copenhagen, Denmark. Removal of methane contents in water. 2,527,444, Oct. 24.
Pape, Clifford B., Montague, Mich., and J. R. Sweetman, Butler, Pa., assignors to Valley Industries, Inc., New York, N. Y. Rubber composition and producing. 2,500,858, Mar. 14.
Pape, John W., Indian Hill, Ohio, and G. S. Santmyers, Los Angeles, Calif., said Santmyers assignor to said Pape. Toilet bowl cleaner. 2,497,057, Feb. 7.
Paper Container Manufacturing Co., assignee: *See*—
Ruza, Frederick.
Paper Patents Company, assignee: *See*—
Auchter, Richard J.
Diehm, Robert A.
Henderson, Charles L.
Paper Products Company, assignee: *See*—
Pinkstaff, Harold D.
Paper Strap Inc., assignee: *See*—
Crary, Jay D.
Crary, Jay D., and Mathers.
Papes, Frank J., assignee: *See*—
Marsan, Edward P.

Papesch, Viktor, Morton Grove, assignor to G. D. Searle & Co., Skokie, Ill. Hydroxy alkyl xanthines and the production thereof. 2,517,410, Aug. 1.
Papeteries de Gascogne (Societe anonyme), assignee: *See*—
Gadret, René H.
Papierfabrik Balsthal A. G., assignee: *See*—
Trevisan, Bruno.
Papitto, Gene: *See*—
Lolli, John, and Papitto.
Pappas, Costas E., Babylon, and H. R. Lu, New York, assignors to Republic Aviation Corporation, near Farmingdale, N. Y. High-speed airfoil. 2,507,611, May 16.
Pappas, Phillip M., Houston, Tex. Dishwashing machine. 2,493,691, Jan. 3.
Pappas, Phillip M., Houston, Tex. Deep fat frying apparatus. 2,528,776, Nov. 7.
Paquette, Cyril T., and L. B. Webb, assignors to Corning Glass Works, Corning, N. Y. Feeding glass. 2,493,260, Jan. 3.
Paquin, Joseph N.: *See*—
Weatherhead, Albert J., Jr., and Paquin.
Paquin, Joseph N., Euclid, assignor to The Weatherhead Company, Cleveland, Ohio. Relief valve cap. 2,506,737, May 9.
Paquin, Joseph N., Euclid, assignor to The Weatherhead Company, Cleveland, Ohio. Tube coupling. 2,517,705, Aug. 8.
Paquin, Joseph N., Euclid, assignor to The Weatherhead Company, Cleveland, Ohio. Making fittings. 2,517,706, Aug. 8.
Paquin, Patrick, Timmins, Ontario, Canada. Elevator safety device. 2,500,702, Mar. 14.
Paradise, Louis A., Rock Island, assignor to Deere & Company, Moline, Ill. Cotton picker spindle. 2,504,723, Apr. 18.
Paradise, Louis A., W. J. Coultas, and N. F. Andrews, assignors to Deere & Company, Moline, Ill. Corn harvester. 2,498,093, Feb. 21.
Paraffine Companies, Inc., The, assignee: *See*—
Crockett, Harold W.
Lewon, Rubin, and Lechich.
Paragon Electric Company, assignee: *See*—
Morrison, David.
Morrison, David, and Everard.
Paragon Oil Company, Inc., assignee: *See*—
Dawson, George, Jr.
Paragon Revolute Corporation, assignee: *See*—
Sullivan, Warren L., and Wilde.
Wilde, Frederick G.
Para-Lux Products Company, assignee: *See*—
Kohl, William R., and Iverson.
Paramount Manufacturing Company, assignee: *See*—
Horwitch, Philip R.
Paramount Textile Machinery Co., assignee: *See*—
Richter, Henry.
Paravox, Inc., assignee: *See*—
Tresise, Raleigh E., and Kendall.
Pardee, Curtis G., Detroit, Mich. Tool. 2,494,829, Jan. 17.
Pardee, William A., Pittsburgh, and G. E. Elliott, Jr., Oakmont, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Preparation of silica-alumina catalyst. 2,493,896, Jan. 10.
Parducci, William J., assignor to Continental Aviation & Engineering Corporation, Detroit, Mich. Valve. 2,517,596, Aug. 8.
Parent, William J., Salem, Mass. Nursing bottle holder. 2,530,478, Nov. 21.
Parenti, Joseph S., Cleveland, Ohio. Apparatus for compressing fluids. 2,510,247, June 6.
Paretl, Lawrence T., and A. Manista, Clifton, N. J. Spinning lure for fish. 2,493,692, Jan. 3.
Parfenjev, Ivan A., Nanuet, N. Y. Fish protein and mineral product. 2,512,375, June 20.
Parigian, Albert A., Dearborn, assignor to Modern Collet and Machine Co., Ecorse, Mich. Front loading collet. 2,535,951, Dec. 26.
Parish, Frank P., assignor to Sanitary Products Corporation, Taneytown, Md. Unequal length fold tampon. 2,529,183, Nov. 7.
Parish, William J., Torrington, Conn. Mechanical pencil of screw feed type. 2,520,888, Aug. 29.
Parisi, Jules T., Chicago, Ill. Conveying and distributing apparatus. 2,530,074, Nov. 14.
Parissi, Anthony J., Cohoes, N. Y. Clock with visible and audible alarm means. Re. 23,261, Aug. 22.
Parissi, Anthony J., Cohoes, N. Y. Signaling device. 2,512,775, June 27.
Park, Bernard C. H., and J. L. Baldwin, Appleton City, Mo. Pocketed game table and runway apparatus. 2,535,595, Dec. 26.
Park, Donald Q.: *See*—
Massey, Arthur H., and Park.
Park, Harold F., East Longmeadow, and F. J. Pokigo, Ludlow, Mass., assignors to Monsanto Chemical Company, St. Louis, Mo. Coloring aqueous emulsions of resins. 2,520,429, Aug. 29.
Park, Marion A., St. Louis, Mo. Drop foot brace. 2,525,237, Oct. 10.
Park, Miles, Machine & Tool, Inc., assignee: *See*—
King, John W., and McNamee.

Park, Ralph S., Swarthmore, Pa., assignor to Allied Chemical & Dye Corporation. Manufacture of DDT. 2,503,452, Apr. 11.
Park, Richard B., West Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Deicer heat distributing means. 2,499,034, Feb. 28.
Parke, Davis & Company, assignee: *See*—
Bambas, Louis L.
Bartz, Quentin R.
Cheney, Lee C., and Piening.
Crooks, Harry M., Jr., Rebstock, Controulis, and Bartz.
Doub, Leonard, and Seegers.
Henze, Henry R.
Long, Loren M.
Long, Loren M., and Troutman.
Moersch, George W., and Moore.
Rawlins, Albert L.
Rieveschl, George, Jr.
Rieveschl, George, Jr., and Fleming.
Tillitson, Edward W.
Tullar, Benjamin F.
Parke, Robert, Buffalo, N. Y. Toy vehicle. 2,494,354, Jan. 10.
Parker, Alfred G., Summit, N. J., assignor to Foster Wheeler Corporation, New York, N. Y. Welding jig. 2,495,758, Jan. 31.
Parker Appliance Company, The, assignee: *See*—
Carbon, Harry B.
Dahl, Carl P.
Davies, Robert H.
Hartley, Emmett C.
Hartley, Emmett C., and Carbon.
Hartley, Emmett C., and Hull.
Melichar, Joseph F.
Parker, Arthur L.
Schmohl, Leland H., and Habe.
Stark, Donald A.
Wolfram, John N.
Zarobsky, Charles A.
Parker, Arnold G., Longueuil, Quebec, Canada. Self-locking actuating mechanism. 2,497,415, Feb. 14.
Parker, Arthur L., assignor to The Parker Appliance Company, Cleveland, Ohio. Packing means. 2,521,248, Sept. 5.
Parker, Arthur L., assignor to The Parker Appliance Company, Cleveland, Ohio. Valve assembly. 2,529,412, Nov. 7.
Parker, Bessie S., Royalston, Mass. Noise suppressor tube. 2,501,913, Mar. 28.
Parker Brothers, Inc., assignee: *See*—
Howard, Le Roy.
Todd, Harry O.
Parker, Burton H., Detroit, Mich. Quick-acting vise having rockable lever for sequentially positioning and advancing slidable jaw. 2,530,130, Nov. 14.
Parker, Charles H., Jr., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Preparing thermosetting aminoplast compositions. 2,524,472, Oct. 3.
Parker, Clyde, Kannapolis, N. C. Thermos lunch box. 2,499,254, Feb. 28.
Parker, Doryth F., assignee: *See*—
Parker, Hugh B.
Parker, Elizabeth W., Washington, D. C. Household cleaning composition. 2,502,881, Apr. 4.
Parker, Elizabeth W., Washington, D. C. Work protector. 2,504,444, Apr. 18.
Parker, Erie L., Los Angeles, Calif. Motor lock. 2,500,375, Mar. 14.
Parker, Floyd W.: *See*—
Muskat, Morris, Parker and Kehl.
Parker, George B. D., Raleigh, N. C. Surfboard. 2,531,946, Nov. 28.
Parker, George T.: *See*—
Von Glahn, William H., Stanley, and Parker.
Parker, Grant N., administrator: *See*—
Parker, Walter.
Parker, Henry C., Washington, D. C., assignor to Infilco Incorporated, Chicago, Ill. Clarifying process and apparatus. 2,509,695, May 30.
Parker, Henry T., assignee: *See*—
Broersma, Robert J.
Parker, Henry W., Great Neck, N. Y., assignor to Sylvania Electric Products, Inc. Control grid. 2,501,002, Mar. 21.
Parker, Herbert M., New York, N. Y. Sadiron holder. 2,504,575, Apr. 18.
Parker, Hugh B., Jacksonville, Fla., assignor, by mesne assignments, to D. F. Parker. Sprinkler. 2,501,912, Mar. 28.
Parker, Humphrey F.: *See*—
Robins, Erford E., and Parker.
Parker, Humphrey F., Buffalo, assignor to Columbus McKinnon Chain Corporation, Tonawanda, N. Y. Hoist. 2,503,682, Apr. 11.
Parker, Humphrey F., Kenmore, and E. E. Robins, assignors to Columbus-McKinnon Chain Corporation, Tonawanda, N. Y. Hand hoist. 2,493,727, Jan. 3.
Parker Industrial Products, Inc., assignee: *See*—
Hall, Jesse E.
Parker, James M., Glenbuntly, Victoria, Australia. Music printing or typewriting machine. 2,494,192, Jan. 10.
Parker, James P., Washington, D. C. Breakdown indicator for insulated aircraft antennas. 2,520,956, Sept. 5.
Parker, James T., assignor to W. J. Holliday & Company, Inc., Indianapolis, Ind. Globular inclusion control for steel making. 2,501,138, Mar. 21.
Parker, Joseph, Oakland, Calif. Building form. 2,504,043, Apr. 11.
Parker, Kenneth S., assignor to The Parker Pen Company, Janesville, Wis. Writing instrument. 2,506,035, May 2.
Parker, Leland C., Elmira, assignor to Bendix Aviation Corporation, Elmira Heights, N. Y. Electrically operated pump. 2,495,598, Jan. 24.
Parker, Leland C., Elmira, E. B. Hackett, Elmira Heights, and P. G. Pecoraro, Elmira, assignors to Bendix Aviation Corporation, Elmira Heights, N. Y. Recording tachometer. 2,513,668, July 4.
Parker, Leland C., and T. K. Riggen, Elmira, assignors to Bendix Aviation Corporation, Elmira Heights, N. Y. Electric clock. 2,516,720, July 25.
Parker, Leland L., Spokane, Wash. Electric fuse. 2,511,872, June 20.
Parker, Leon, Glendale, and B. J. Zack, Compton, assignors to The H. I. Thompson Company, Los Angeles, Calif. Leaching of batted resin bonded glass fibers. 2,500,092, Mar. 7.
Parker, Louis W.: *See*—
Young, Norman H., Jr., and Parker.
Parker, Louis W., Little Neck, assignor to International Standard Electric Corporation, New York, N. Y. Electronic color television. 2,498,705, Feb. 28.
Parker, Louis W., Jackson Heights, assignor to Federal Telecommunication Labs., Inc., New York, N. Y. Drift compensated direct-current amplifier. 2,513,354, July 4.
Parker, Louis W., Jackson Heights, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Deflection circuit. 2,521,741, Sept. 12.
Parker, Louis W., Little Neck, assignor to International Standard Electric Corporation, New York, N. Y. Color television receiver. 2,524,828. Oct. 10.
Parker, Luke E., Pe Ell, Wash. Wrecking bar. 2,502,271, Mar. 28.
Parker Manufacturing Company, assignee: *See*—
Carlson, Andrew H.
Priest, Dwight E.
Parker, Mary S., Winchester, Mass. Combination kitchen stool and waste receptacle. 2,526,767, Oct. 24.
Parker, Melvin J.: *See*—
Turpin, Alexander J., and Parker.
Parker, Paul T., Baton Rouge, La., assignor to Standard Oil Development Company. Synthesis of oxygenated organic compounds. 2,530,989, Nov. 21.
Parker Pen Company, The, assignee: *See*—
Baker, Marlin S.
Baker, Marlin S., and Randolph.
Bartell, Floyd E.
Gruen, Robert.
Hull, Philip C.
Hull, Philip C., and Gilman.
Moholy-Nagy, Laszlo.
Parker, Kenneth S.
Sayler, Galen H.
Tefft, Ivan D., and Baker.
Wittnebert, Fredrick R.
Zodtner, Harlan H.
Parker, Ralzemond B., assignee: *See*—
Franklin, Edward S., and Sattler.
Parker, Reuben W., Danville, Va. Baby bath and powder board. 2,507,219, May 9.
Parker, Richard L., Knoxville, Tenn. Quick opening pliers. 2,500,261, Mar. 14.
Parker, Robert B., Clayton, Mo. Chimney top., 2,510,901, June 6.
Parker, Robert L., Jr., assignor to Union Oil Company of California, Los Angeles, Calif. Catalyst preparation. 2,499,255, Feb. 28.
Parker, Robert L., Jr., Huntington Park, and H. C. Huffman, Long Beach, assignors to Union Oil Company of California, Los Angeles, Calif. Four-component alumina base catalyst and its preparation. 2,518,714, Aug. 15.
Parker, Robert P., Somerville, and J. Seruto, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y. 2-(2′-methyl-4′-amino-5′-methoxyphenyl)-2,1,3 benzotriazole. 2,501,188, Mar. 21.
Parker, Rollin J.: *See*—
Bullard, Robert O., and Parker.
Parker, Ronald W.: *See*—
Drysdale, Royston F., and Parker.
Parker Rust Proof Company, assignee: *See*—
Amundsen, Paul.
Gibson, Robert C., and Russell.
Holden, Harry A., and Setterington.
Tanner, Robert R.
Parker, Samuel P., assignor to Callaway Mills Company, La Grange, Ga. Apparatus for producing tubular fabrics. 2,517,021, Aug. 1.
Parker, Ted M., Kansas City, Mo. Lift jack. 2,535,753, Dec. 26.
Parker, Wallace J., Stepps, Scotland. Device for sowing seeds. 2,525,718, Oct. 10.
Parker, Walter, deceased, Geneseo, N. Y.; G. N. Parker, administrator of said Walter Parker. Centering liff jack. 2,516,483, July 25.

Parker, Warren H., Oakland, Calif. Control arm shaft and mounting therefor. 2,502,744, Apr. 4.
Parker, William M.: *See*—
Gray, John E. and R. A., Jr., and Parker.
Parker, William N., Lancaster, Pa., assignor to Radio Corporation of America. Radio-frequency heating electrode for filamentary material. 2,521,993, Sept. 12.
Parkersburg Rig & Reel Company, The, assignee: *See*—
Lyne, Joe A.
Parkerson, William, Chicago, Ill. Overload indicator for electrical circuits. 2,495,981, Jan. 31.
Parkes, Alfred G., assignor to Surface Combustion Corporation, Toledo, Ohio. Burner apparatus. 2,519,787, Aug. 22.
Parkes, Ralph C., Glenside, Pa. Drying machine. 2,501,537, Mar. 21.
Parkes, Ralph C., Glenside, Pa. Conveyer. 2,534,054, Dec. 12.
Parkhurst, Malcolm K., New York, N. Y., assignor to Control Products, Inc., Harrison, N. J. Thermal switch. 2,496,229, Jan. 31.
Parkin, John C.: *See*—
Trimbach, Clem G., and Parkin.
Parkinson, Alfred E., East Lansdowne, Pa., assignor to Continental-Diamond Fibre Company, Newark, Del. Mica product and making the same. 2,493,693, Jan. 3.
Parkinson, David B., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Preset type telephone dialer with pulse generating transformers. 2,499,606, Mar. 7.
Parkman, Howard C.: *See*—
Dunn, Holbert E., Rathmann, and Parkman.
Parkrose, Gloria M.: *See*—
Perrotta, Edna M., and Parkrose.
Parks-Cramer Company, assignee: *See*—
Holtzclaw, Grover B.
Parks, Fred R., Fulton, N. Y. Meat masticator. 2,526,154, Oct. 17.
Parks, Joseph F., Horncastle, England. Folding frame for hammock seats and like load supporting members. 2,503,508, Apr. 11.
Parks, Leonard A., assignee: *See*—
Murphey, Conrad E.
Parks, Ralph C.: *See*—
Roberts, John E.
Parks, Robert D., Concord, Mass. Food conditioning apparatus. 2,532,033, Nov. 28.
Parks, Ulverde, Seattle, Wash. Paintbrush having detachable brush sections. 2,509,013, May 23.
Parks, Walter J., Aurora, Ohio. Bearing. 2,532,327, Dec. 5.
Parks, Walter J., Aurora, Ohio. Mounting structure for bearings. 2,532,779, Dec. 5.
Parks & Woolson Machine Co., assignee: *See*—
Hadley, Wilfred N.
Parlini, Alexander C., Freeport, N. Y., E. Hascher, Irvington, and H. Recker, Ridgewood, N. J., assignors to Empire State Laboratories, New York, N. Y. Viewer. 2,513,102, June 27.
Parmalee, A. F., assignee: *See*—
Moeller, William C.
Parmenter, Enid H., Cape Town, Union of South Africa. Umbrella. 2,502,984, Apr. 4.
Parmentier, Maurice J. M., assignor to Compagnie Generale d'Electricite, Paris, France. Unattended repeater testing by inversion of the current direction. 2,509,365, May 30.
Parmesan, Daniel J., Houston, Tex. Pipe union. 2,493,996, Jan. 10.
Parmesan, Daniel J., assignor to Well Equipment Mfg. Corp., Houston, Tex. Union. 2,523,995, Sept. 26.
"Parmoy," assignee: *See*—
Traversac, Rene M.
Parnell, Edwin H., Sr., assignor of forty-nine per cent to O. C. Williams, Greenville, S. C. Fishing lure. 2,515,-018, July 11.
Parr, Bernard F., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Cover construction for electric irons. 2,500,091, Mar. 7.
Parr, Bernard F., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric toaster. 2,500,767, Mar. 14.
Parr, Bernard F., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Hermetically-sealed thermostat. 2,516,584, July 25.
Parr, Edward L., Mason, Nev. Hydraulic coupling. 2,523,716, Sept. 26.
Parry, Frank, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Lubricating device for sewing machine loop takers. 2,531,362, Nov. 21.
Parry, William N., New Haven, Conn. Vanity back view chair. 2,532,853, Dec. 5.
Parr, Josephus O., Jr., assignor to O. S. Petty, San Antonio, Tex. Apparatus for separation of blasting circuit leads. 2,527,148, Oct. 24.
Parr, Louis F., assignor to Luparr, Inc., Chicago, Ill. Lettering device. 2,507,045, May 9.
Parr, Lloyd T., and S. B. Rabishaw, Chicago, Ill. Dental impression material. 2,499,676, Mar. 7.
Parr, Lloyd T., and S. B. Rabishaw, Chicago, Ill. Dental impression material. 2,526,042, Oct. 17.
Parr, Lloyd T., and S. B. Rabishaw, Chicago., Ill. Dental impression material. 2,526,043, Oct. 17.
Parrack, Lawrence W.: *See*—
Kludjian, Avedis H., Parrack, Newell and Baumgardner.
Parris, Hayden H.: *See*—
Dooley, Leslie H., and Parris.
Parris, Nathan J.: *See*—
Gray, Wayne A., and Parris.
Parrish, William, Hastings, and E. A. Cisney, Tarrytown, assignors to Philips Laboratories, Inc., Irvington on Hudson, N. Y. X-ray collimating system. 2,514,791, July 11.
Parrott, Fred G.: *See*—
Gentry, Clarence M., and Parrott.
Parrott, Robert D.: *See*—
D'Humy, Fernand E., Corwith, Parrott, and O'Brien.
Wise, Raleigh J., Parrott, and Ridings.
Parrott, William J., Baltimore, Md. Load transfer device. 2,500,262, Mar. 14.
Parry, Arthur, Retsil, Wash. Edging attachment for power lawn mowers. 2,515,732, July 18.
Parry, Augustus F., Schenectady, assignor to American Locomotive Company, New York, N. Y. Electric testing apparatus. 2,528,475, Oct. 31.
Parry, Vernon F., Golden, Colo. Production of vaporizable metals. 2,497,096, Feb. 14.
Parry, Vernon F., Golden, Colo. Heating apparatus. 2,518,490, Aug. 15.
Parsegian, Vozcan L., C. O. Fairchild, and N. L. Walker, New York, N. Y., assignors, by mesne assignments, to Weston Electrical Instrument Corporation, Newark, N. J. Recording on a strip chart. 2,528,015, Oct. 31.
Parske, Charles A.: *See*—
Eserkaln, Theodore F., and Parske.
Parson, William R., assignor to Jeffers Electronics, Inc., Dubois, Pa. Condenser. 2,527,373, Oct. 24.
Parsons, Allen J., St. Paul, Minn. Golf tee. 2,503,591, Apr. 11.
Parson, Fred A., Milwaukee, assignor to Kearney & Trecker Corporation, West Allis, Wis. Transmission and control mechanism for machine tools. 2,493,827, Jan. 10.
Parsons, Fred A., Milwaukee, assignor to Kearney & Trecker Corporation, West Allis, Wis. Machine-tool transmission and control mechanism. 2,493,828, Jan. 10.
Parsons, Fred A., Milwaukee, assignor to Kearney & Trecker Corporation, West Allis, Wis. Machine tool transmission and control mechanism. 2,521,185, Sept. 5.
Parsons, Glenn W., assignor to A. E. Staley Manufacturing Co., Decatur, Ill. Treatment of corn steepwater. 2,515,157, July 11.
Parsons, Horace T., Corpus Christi, and S. P. Martin, McAllen, Tex. Sample extracting tool. 2,515,567, July 18.
Parsons, John B., Toledo, Ohio. Vehicle window regulator mechanism. 2,520,053. Aug. 22.
Parsons, John B., Toledo, Ohio. Regulator mechanism. 2,529,570, Nov. 14.
Parsons, John R., Kenmore, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Phase shift control. 2,524,925, Oct. 10.
Parsons, John R., and E. C. Hartwig, Buffalo, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Low-frequency seam timer. 2,508,467, May 23.
Parsons, John R., Kenmore, and C. B. Stadum, Snyder, N. Y., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Single-phase low-frequency control for welding. 2,510,652, June 6.
Parsons, Joseph R.: *See*—
Dailey, Manvel C., and Parsons.
Parsons and Marine Engineering Turbine Research and Development Association, The, assignee: *See*—
Peregrine, Edgar P.
Parsons, Opie P., Charleston, W. Va. Pipe layout tool. 2,533,500, Dec. 12.
Parsons, Richard W., Jacksonville, Fla., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Metering tape dispenser. 2,516,143, July 25.
Parsons, Wharton A.: *See*—
Boyden, Robert E., and Parsons.
Partain, Oliver W., and E. M. Lang, Tulsa, Okla.; said Lang assignor to said Partain. Rescoring apparatus for golf clubs. 2,520,254, Aug. 29.
Parten, Carl D., assignor to Schutz-O'Neill Co., Minneapolis, Minn. Feed device for rotary beater mills with means for preventing blow-back of material. 2,530,313, Nov. 14.
Partin, Albert, Amarillo, Tex. Vehicle cooling system attachment. 2,514,253, July 4.
Partlo, Clara A., assignee: *See*—
Partlo, Cyrus G., and Hair.
Partlo, Cyrus G., and H. R. Hair, said Hair assignor of one-half to C. A. Partlo, Flint, Mich. Radiant sterilizer. 2,504,576, Apr. 18.
Parton, High R.: *See*—
Wilson, Charles C., and Parton.
Partridge, Lynn E., Portland, Oreg. Suction box for photographic enlargers. 2,535,952, Dec. 26.
Partridge, William A., and H. J. Alty, Sunbury-on-Thames, assignors to Anglo-Iranian Oil Company Limited, London, England. Motor and aviation fuels. 2,513,669, July 4.

Partridge, William A., and H. J. Alty, Sunbury-on-Thames, assignors to Anglo-Iranian Oil Company Limited, London, England. Motor fuels. 2,528,605, Nov. 7.
Partridge, William H., London, England. Coin-freed ice-cream vending machine. 2,511,076, June 13.
Parva Products Company, assignee: *See*—
White, Paul W.
Pascal, Michael W., Shaker Heights, assignor to The Sherwin-Williams Company, Cleveland, Ohio. System and apparatus for solvent extraction. 2,505,139, Apr. 25.
Paschal, Guy S., Sarasota, Fla., assignor to Airkem, Inc., New York, N. Y. Composition for freshening air and method therefor. 2,527,029, Oct. 24.
Paschell, Anthon H., Des Moines, Iowa. Bottleholder for household refrigerators. 2,512,502, June 20.
Paschke, Herbert, Manheim Township, Lancaster County, assignor to Armstrong Cork Company, Lancaster, Pa. Cork composition and making. 2,495,759, Jan. 31.
Pascoe, Frank T., Carnegie, assignor to The Union Switch & Signal Company, Swissvale, Pa. Centralized traffic control system for railroads. 2,526,404, Oct. 17.
Pascoe, Frank T., Carnegie, and A. L. Jerome, Edgewood, assignors to The Union Switch & Signal Company, Swissvale, Pa. Traffic direction control apparatus for use in centralized traffic control systems for single-track railroads. 2,528,073, Oct. 31.
Pascoo, Alex, Bronx, N. Y. Collapsible bed, crib, and the like. 2,493,083, Jan. 3.
Pascoo, Alex, New York, N. Y. Ascending and descending device. 2,498,445, Feb. 21.
Pascoo, Alex, Bronx, N. Y. Educational device. 2,500,263, Mar. 14.
Pashby, Joseph W., Lynn, Mass. Angle guide attachment for boring tools. 2,502,171, Mar. 28.
Pashley, Roland H.: *See*—
Stauffer, Lynn H., and Pashley.
Pasma, Douwe, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. High-frequency damping tube. 2,523,391, Sept. 26.
Pasmore, William J., St. Maries, Idaho. Can holder and perforator. 2,532,244, Nov. 28.
Pasquariello, Armand J., Newark, assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Seal for rotatable closure plate on transit type concrete mixers. 2,504,223, Apr. 18.
Pasquet, Henri M. E., Neuilly-sur-Seine, assignor to Societe d'Applications Generales d'Electricite & de Mecanique, Sagem, Paris, France. Optical projection apparatus with normal illumination means. 2,496,675, Feb. 7.
Pasquet, Henri M. E., Neuilly sur Seine, assignor to Societe d'Applications Generales d'Electricite et de Mecanique (S. A. G. E. M.), Paris, France. Shock-proof mechanical comparator. 2,506,167, May 2.
Passal, Frank: *See*—
Stareck, Jesse E., and Passal.
Passino, Herbert J.: *See*—
Lauer, George G., and Passino.
Lauer, George G., Passino, and Segesser.
Passino, Herbert J., Englewood, assignor to The M. W. Kellogg Company, Jersey City, N. J. Isomerization of hydrocarbons. 2,513,103, June 27.
Passino, Herbert J., Englewood, assignor to The M. W. Kellogg Company, Jersey City, N. J. Solvent refining of fatty oils. 2,523,630, Sept. 26.
Passino, Herbert J., Englewood, and H. B. Larner, Glen Ridge, assignors to The M. W. Kellogg Company, Jersey City, N. J. Fractionation of cashew nut shell liquid. 2,501,451, Mar. 21.
Passow, Edward B., Park Ridge, Ill., assignor to Zenith Radio Corporation. Multistrand electrical conductor. 2,517,230, Aug. 1.
Pastore, Michael W., Hartford, and J. C. Rothwell, Bolton, assignors to Colt's Manufacturing Company, Hartford, Conn. Semiautomatic firearm with trigger operated cocking mechanism. 2,535,156, Dec. 26.
Pastoret, John E., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Gathering-reel motor. 2,508,188, May 16.
Pastoret, Walter J., Savage, assignor of one-half to H. C. Scribner, Minneapolis, Minn. Portable air heater. 2,502,389, Mar. 28.
Pastorius, Louis E., III, Pittsburgh, Pa. Clothespin container. 2,520,054, Aug. 22.
Pasturczak, Harry S., East Moline, Ill. Instrument mounting. 2,524,473, Oct. 3.
Patai, Imre, deceased, Washington, D. C.; H. R. Bishop, administrator. Cathode-ray tube with oxide coated cathode. 2,505,909, May 2.
Patai, Imre, deceased, Washington, D. C.; H. R. Bishop, administrator. Electron emitters. 2,506,466, May 2.
Pataki, Denes, Detroit, and B. Welte, Lake Orion, assignors to Colonial Broach Company, Warren Township, Mich. Broaching machine. 2,529,705, Nov. 14.
Patch, George W., Jr.: *See*—
Kornemann, Henry C., and Patch.
Patchett, George W., Gidea Park, Essex, England. Cartridge magazine for automatic firearms. 2,510,831, June 6.
Patchett, Richard V.: *See*—
Levers, James F., Patchett, and Bowles.
Patchogue-Plymouth Mills Corporation, assignee: *See*—
Mortimer, Thomas B.
Pate, Charles A., Lufkin, Tex. Envelope for filing purposes and the like. 2,503,592, Apr. 11.
Pate Oil Company, assignee: *See*—
Le Tellier, Zeno U.
Pate, Sherman E., assignor to Permo, Incorporated, Chicago, Ill. Container and applicator for small articles. 2,531,152, Nov. 21.
Patecell, Theodore C., Jackson Heights, N. Y. Convertible amphibian airplane. 2,534,206, Dec. 12.
"Patelhold" Patentverwertungs-& Elektro-Holding A.-G., assignee: *See*—
Lüdi, Fritz.
Rusterholz, Alexander, and von Baeyer.
Schüpbach. Rudolf.
Von Baeyer, Hans J.
Patent License Corporation, assignee: *See*—
Arenberg, Albert L., Nordquist, and Rahn.
Patent and Licensing Corporation, The, assignee: *See*—
Root, Arthur M., Jr.
Schwarz, Walter J.
Simms, Harold A.
Patent Management, Incorporated, assignee: *See*—
Swedien, Ellsworth W.
Patent Scaffolding Co., Inc., The, assignee: *See*—
Geer, Hobart S.
Huck, Joseph.
Patents Inc., assignee: *See*—
Colquitt, Odie.
Pater, Herman, Waltham, Minn. Disk sharpener. 2,510,601, June 6.
Pater, Herman, Waltham, and F. Bruckmeier, Austin, Minn. Matched edge lawn mower grinder. 2,530,479, Nov. 21.
Paterson Engineering Company, assignee: *See*—
Baily, Edgar W.
Paterson, John C.: *See*—
Hultquist, Martin E., and Paterson.
Paterson-Leitch Company, The, assignee: *See*—
Bolz, Norman H.
Paterson Pacific Parchment Company, assignee: *See*—
Bennett, Clarence G.
Paterson, William J., Newton Highlands, assignor to Lever Brothers Company, Cambridge, Mass. Treating low-grade fatty materials. 2,521,742, Sept. 12.
Pates, James S., Washington, Pa. Oil filling and breather tube. 2,500,859, Mar. 14.
Pathe Tool Manufacturing Co. Inc., assignee: *See*—
Behrens, Walter A.
Patnode, Winton I., Schenectady, N. Y., assignor to General Electric Company. Compositions of matter comprising polysiloxaneamines. 2,503,919, Apr. 11.
Patnode, Winton I., Richland, Wash., and J. R. Elliott, Schnectady, N. Y., assignors to General Electric Company. Resolution of chlorosilane mixtures. 2,519,926, Aug. 22.
Paton, Clyde R., Bloomfield Village, Mich. Vehicle wheel. 2,520,560, Aug. 29.
Paton, Clyde R., Bloomfield Village, Mich. Air duct arrangement for vehicle power plants. 2,527,487, Oct. 24.
Paton, James M., Fort Williams, Ontario, Canada. Apparatus for arranging articles on conveyers. 2,501,961, Mar. 28.
Patremio, Salvatore R., Rochelle Park, assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Mixing circuit for television cameras. 2,510,714, June 6.
Patriache, Pierre, Paris, France, assignor to Societe Francaise Radio Electrique. Electron discharge tubes with spherical concentric electrodes. 2,504,224, Apr. 18.
Patriarche, Valance H., Ottawa, Ontario, Canada. Shock absorbing aircraft skid. 2,533,951, Dec. 12.
Patrick, Audie R., Kansas City, Mo. Hydraulic lock. 2,501,139, Mar. 21.
Patrick, Earnest H., and T. L. Perry, Indianapolis, Ind.; said Patrick assignor to said Perry. Heater control. 2,513,045, June 27.
Patrick, Ernest C., assignor of fifty per cent to T. W. Webb, Phoenix, Ariz. Apparatus for exfoliating granular siliceous material. 2,511,293, June 13.
Patrick, Harry H.: *See*—
Glenkey, Paul G., and Patrick.
Patrick, Joseph C., Morrisville, Pa., assignor to Thiokol Corporation, Trenton, N. J. Polyacetal polysulfide polymer. 2,527,376, Oct. 24.
Patrick, Joseph C., Morrisville, Pa., assignor to Thiokol Corporation, Trenton, N. J. Thioacetal products. 2,527,377, Oct. 24.
Patrick, Joseph C., Morrisville, Pa., and H. R. Ferguson, assignors to Thiokol Corporation, Trenton, N. J. Mercapto alcohol reaction with polycarboxylic acids. 2,527,374, Oct. 24.
Patrick, Joseph C., St. Petersburg, Fla., and F. O. Davis, assignors to Thiokol Corporation, Trenton, N. J. Synthetic waxlike materials. 2,532,369, Dec. 5.
Patrick, Paul E., Arlington Heights, assignor to Compco Corporation, Chicago, Ill. Slide binder apparatus. 2,496,406, Feb. 7.
Patrick, Ray, Milwaukee, Mich. Garment hanger. 2,513,424, July 4.
Patrick, Robert D., Jr., Bellaire, Tex. Inside pipe cutter. 2,494,193, Jan. 10.
Patrick, Tracy M., Jr.: *See*—
Emerson, William S., and Patrick.

Patrick, Walter A., Jr., Mount Washington, assignor to The Davison Chemical Corporation, Baltimore, Md. Preparing alumina gel. 2,503,168, Apr. 4.

Patrignani, Theo, Lecco, Italy. Device for converting a rotary motion into a reciprocatory motion or vice versa. 2,515,795, July 18.

Patriquin, William G., assignor to The Gabriel Company, Cleveland, Ohio. Shock absorber. 2,507,266, May 9.

Patriquin, William G., assignor to The Gabriel Company, Cleveland, Ohio. Shock absorber. 2,507,267, May 9.

Patriquin, William G., assignor to The Gabriel Company, Cleveland, Ohio. Shock absorber. 2,507,268, May 9.

Patrol Valve Company, The, assignee: *See*—
Minnich, Stehman S.

Patry, Jean, and R. Strub, assignors to Albiswerk Zurich A. G., Zurich, Switzerland. Telephone subscriber set with a speech current transformer and a polarized alternating current alarm. 2,502,273, Mar. 28.

Patt, Conrad J., Chicago, Ill. Bracket type support for clothes hangers. 2,531,151, Nov. 21.

Patten, Harry B., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Control mechanism. 2,519,598, Aug. 22.

Pattenden, Warren C.: *See*—
Sproule, Lorne W., and Pattenden.

Patterson, Alfe, Spokane, Wash. Perpetual calendar. 2,506,888, May 9.

Patterson, C. J., Company, assignee: *See*—
Kimball, Charles N., Lewis, and Strecker.

Patterson, Charles F., Wilmette, assignor to Admiral Corporation, Chicago, Ill. Fastener for refrigerant evaporator. 2,517,411, Aug. 1.

Patterson, Chester A., assignor to Jos. Schlitz Brewing Company, Milwaukee, Wis. Store front. 2,510,832, June 6.

Patterson, Clarence T.: *See*—
Sundstrom, Carl, and Patterson.

Patterson, Edie J., Stockton, Calif. Nut conveying and hold-down means for nut halving machines. 2,498,962, Feb. 28.

Patterson, Edward R., Wingdale, N. Y. Rim for tires. 2,521,249, Sept. 5.

Patterson, Everett M., Watertown, and F. R. McAloon, assignors to The United States Time Corporation, Waterbury, Conn. Injection mold with sprue severing means. 2,494,777, Jan. 17.

Patterson, Everett M., Watertown, Conn., and W. Klein, Forest Hills, N. Y., assignors to The United States Time Corporation, Waterbury, Conn. Clockcase construction. 2,500,701, Mar. 14.

Patterson, Franklin G.: *See*—
Alexanderson, Ernst F. W., Patterson, and Sims.

Patterson, Franklin G., Schenectady, N. Y., assignor to General Electric Company. Directive radiant energy object locating system. 2,513,962, July 4.

Patterson, Glenn A., assignor to Sta-Rite Products, Incorporated, Delavan, Wis. Pump. 2,524,269, Oct. 3.

Patterson, Howard V., assignor to Aeco Manufacturing Co., Kansas City, Mo. Incinerator. 2,495,076, Jan. 17.

Patterson, Jack H., Waco, Tex. Throttle operating mechanism. 2,533,836, Dec. 12.

Patterson, James N., Pitman, N. J. Bleed valve. 2,516,411, July 25.

Patterson, John A., Beverly, N. J., assignor to Standard Oil Development Company. Vapor-liquid contacting unit. 2,497,136, Feb. 14.

Patterson, John A., Beverly, N. J., assignor to Standard Oil Development Company. Separation of low molecular weight hydrocarbons from petroleum mixtures. 2,509,044, May 23.

Patterson, John A., Newburgh, and C. H. Culnane, Beacon, assignors to The Texas Company, New York, N. Y. Preparing fused cyclic derivatives of thiophene. 2,509,938, May 30.

Patterson, John A., Beverly, N. J., assignor to Standard Oil Development Company. Production of secondary butyl alcohol. 2,514,291, July 4.

Patterson, John B., Wichita, Kans. Vegetable peeling apparatus. 2,516,250, July 25.

Patterson-Kelley Co., Inc., The, assignee: *See*—
Fischer, John J.

Patterson, Louis L., Los Angeles, Calif. Extensible cord lamp. 2,507,541, May 16.

Patterson, Matthew C., Grosse Pointe Park, assignor to Chrysler Corporation, Highland Park, Mich. Body trailer and body hauling apparatus. 2,532,935, Dec. 5.

Patterson, Matthew C., Grosse Pointe Park, and J. A. Baker, Roseville, assignors to Chrysler Corporation, Highland Park, Mich. Engine testing apparatus. 2,513,816, July 4.

Patterson, Max D., Highmore, S. Dak. V-block aligning attachment. 2,521,086, Sept. 5.

Patterson, Ned T.: *See*—
Francis, Gerald C., and Patterson.

Patterson, Riley: *See*—
Lorenz, Leo R., and Patterson.

Patterson, Robert C., Chicago, Ill. Holder for writing implements. 2,511,735, June 13.

Patterson, Robert D.: *See*—
Rheem, Richard S., and Patterson.

Patterson, Roy I., Minneapolis, Minn. Eliminating dust from grain. 2,513,963, July 4.

Patterson, Roy I., Minneapolis, Minn. Grain distributor. 2,531,526, Nov. 28.

Patterson, Roy I., Minneapolis, Minn. Grain distributor. 2,531,527, Nov. 28.

Patterson, V. C., & Associates, Inc., assignee: *See*—
Patterson, Velt C.
Ruff, Alonzo W.

Patterson, Velt C., assignor to V. C. Patterson & Associates, Inc., York, Pa. Refrigeration system. 2,503,212, Apr. 4.

Patterson, William J., La Grange, assignor to Swift & Company, Chicago, Ill. Manufacture of dried egg material. 2,531,343, Nov. 21.

Patti, Fred D., assignor to Steelco Stainless Steel, Inc., Chicago, Ill. Heat insulating handle for cooking utensils. 2,511,786, June 13.

Pattillo, Ivan E., Beaumont, Tex., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Wax separation by filtration. 2,518,365, Aug. 8.

Pattinson, Darwin G.: *See*—
Pattinson, John R. and D. G.

Pattinson, John R. and D. G., Hutchinson, Kans. Deflector type gas burner. 2,497,321, Feb. 14.

Pattison, Clarence M.: *See*—
Boyles, Edgar R., and Pattison.

Pattison, Grange K., assignor to Textile Mills Company, Chicago, Ill. Ironing board cover. 2,521,534, Sept. 5.

Patton, Frank D., Laytonville, Calif. Fishing pole holder. 2,502,272, Mar. 28.

Patton, John W., Philadelphia, Pa., assignor to American Car and Foundry Company, New York, N. Y. Railroad car. 2,528,074, Oct. 31.

Patton, Mahlon E.: *See*—
Moen, Richard H., and Patton.

Patton, Robert L., Glendale, Calif. Automobile towbar. 2,507,265, May 9.

Pattullo, Milton D.: *See*—
Shanahan, Richard J., and Pattullo.

Patulski, Joseph, Chicago, Ill. Pedicure appliance. 2,517,232, Aug. 1.

Paul, Christ D., Detroit, Mich., assignor to Carboloy Company, Inc. Spindle and bearing assembly. 2,517,231, Aug. 1.

Paul, Christian F., Los Angeles, Calif. Opposed disk rotor type centrifugal pulverizer. 2,502,022, Mar. 28.

Paul, Ernest B.: *See*—
Echter, David, and Paul.

Paul, Leslie R., Philadelphia, Pa. Illuminating device. 2,493,829, Jan. 10.

Paul, Lewis A., assignor to Beech Aircraft Corporation, Wichita, Kans. Fountain pen. 2,495,179, Jan. 17.

Paul-Lewis Laboratories, Inc., assignee: *See*—
Halmbacher, Paul.

Paul, Milton, Great Neck, N. Y. Nutcracker attachment for orange squeezers or the like. 2,506,970, May 9.

Paul, Philip T., Naugatuck, and J. B. B. Skaptason, Woodbridge, Conn., assignors to United States Rubber Company, New York, N. Y. Salts of aromatic dithiocarboxylic acids as fungicides. 2,494,355, Jan. 10.

Paul, Raymond: *See*—
Ortusi, Antoine J., and Paul.

Paul, Robert, Buffalo, N. Y. Toy repeating elastic band gun. 2,529,047, Nov. 7.

Paul, Thorolf: *See*—
Coxon, George E., and Paul.

Paul, William E., Schenectady, N. Y., assignor to General Electric Company. Zero current, auto exhausting, vacuum circuit interrupter. 2,522,236, Sept. 12.

Paul, William W., Carnegie, and E. M. Hommel, assignors to the O. Hommel Company, Pittsburgh, Pa. Method of and apparatus for production of metal powder by end milling of ingots. 2,497,738, Feb. 14.

Paulden, Robert S.: *See*—
Taylor, Maurice K., and Paulden.

Paulding, Herbert L.: *See*—
Ackell, Joseph J., and Paulding.

Paulette, Robert G., Buffalo, N. Y., and W. H. Green, Geneva Township, Kane County, assignors to Infilco Incorporated, Chicago, Ill. Clarifier. 2,528,907, Nov. 7.

Pauley, Clarence E., Hopkinsville, Ky. Vehicle bumper and adjustable pipe rack. 2,533,837, Dec. 12.

Pauley, Harold R., assignee: *See*—
McEachran, Paul R.

Paulin, Walter H., Columbus, Ohio. Burner for waste and low-grade oils. 2,498,002, Feb. 21.

Paulison, William L., Jr.: *See*—
Birchler, Charles F., and Paulison.

Paulsen, Edward H., assignee: *See*—
Paulsen, Edward H.

Paulsen, Edward H., Sea Girt, N. J., assignor, by mesne assignments, to E. H. Paulsen, White Plains, N. Y. Air-conditioned bakery oven. 2,502,172, Mar. 28.

Paulsen, Hans C., Medford, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for use in the manufacture of insoles. 2,493,207, Jan. 3.

Paulsen, Hans C., Medford, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for use in the manufacture of insoles. 2,494,578, Jan. 17.

Paulsen, Henry C., Elizabeth, N. J., assignor to Standard Oil Development Company. Refining heavy oils. 2,526,499, Oct. 17.

Paulsen, Henry M., Seattle, Wash. Coat hanger. 2,531,293, Nov. 21.

Paulsen, Jean Félix, Paris, France. Elastic coupling. 2,514,897, July 11.

Paulsen, Robert M., Mishawaka, Ind., assignor to United States Rubber Company, New York, N. Y. Method of making resin impregnated fabrics. 2,528,168, Oct. 31.
Paulson, Arthur Willard, Summit, N. J., assignor to Otis Elevator Company, New York, N. Y. Generator control system. 2,530,398, Nov. 21.
Paulson, Bernard J., Waukesha, Wis. Clock. 2,502,985, Apr. 4.
Paulson, Gordon E., Fairview, Pa., assignor to P. S. Paulson, Rochester, N. Y. Wedge vise. 2,514,292, July 4.
Paulson, Howard E., assignor to Municipal Supply Company, South Bend, Ind. Hydraulic vehicle drive with individual motors for multiple driven parts. 2,530,720, Nov. 21.
Paulson, Paul S., assignee: *See*—
Paulson, Gordon E.
Paulson, Walter H.: *See*—
Schwarzkopf, Vergil, and Paulson.
Paulson, Walter H., Sr., assignor to The Lathrop-Paulson Company, Chicago, Ill. Can feeding apparatus. 2,523,968, Sept. 26.
Paulucci, Jeno F.: *See*—
Persha, David T., and Paulucci.
Paulus, Anthony P., assignor to Walgreen Co., Chicago, Ill. Apparatus for diffusing edible substances into composite masses. 2,514,254, July 4.
Paulus, Henry G., Burlington, Vt. Target scoring aid. 2,521,087, Sept. 5.
Paulus, Peter V.: *See*—
Sanderson, John P., Paulus and Yant.
Paulvé, Marcel, Parmain, assignor of one-half to Société Francaise des Munitions, de Chasse, de Tir et de Guerre (Anciens Etablissements Gevelot et Gaupillat) Société Anonyme, Paris, France. Firearm. 2,527,195, Oct. 24.
Pauly, Robert F., Hopkins, Minn. Steerable sled. 2,520,779, Aug. 29.
Pauly, Ruth M.: *See*—
Elstrom, Mabel A., and Pauly.
Paupa, Joseph, Chicago, Ill. Charging apparatus for football players. 2,521,649, Sept. 5.
Pautz, Ormie A., Maribel, Wis. Vehicle unloader. 2,503,129, Apr. 4.
Pauvrasseau, Robert L. P., Anzin, assignor to Societe Valenciennoise de Gestion (Societe Anonyme), Paris, France. Sink and float process for the separation of coal from its impurities. 2,497,790, Feb. 14.
Pavelka, Joseph, assignee: *See*—
Becker, Lester O.
Pavelka, Joseph, assignor to The Toastwell Company, Incorporated, St. Louis, Mo. Toaster structure. 2,503,967, Apr. 11.
Pavelle Color Incorporated, assignee: *See*—
Rabinowitz, Jacob.
Seary, Eugene G.
Varden, Lloyd E.
Zbell, Samuel P.
Pavia, Charles, New Market, Va., assignor to Pavia Process, Inc., Washington, D. C. Rendering fats. 2,516,071, July 18.
Pavia Process, Inc., assignee: *See*—
Pavia, Charles.
Pavilonis, Edward J.: *See*—
Fenelon, Earl S., Jr., and Pavilonis.
Paving Supply and Equipment Company, assignee: *See*—
Hovey-King, Albert K., and Lockhart.
Pavlic, Albert A.: *See*—
Barrick, Paul L., and Pavlic.
Pavlic, Albert A., Claymont, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Branched chain acylic aldehydes and alcohols and their preparation. 2,517,916, Aug. 8.
Pavlick, Emil, Highland Park, Mich. Rotary display stand. 2,517,412, Aug. 1.
Pavnica, Joseph F., Joliet, Ill. Built-in toaster unit for electric ranges. 2,504,445, Apr. 18.
Pawelsky, Vernon R., assignor to Automatic Products Company, Milwaukee, Wis. Liquid flow control system. 2,528,169, Oct. 31.
Pawelsky, Vernon R., L. V. McCarty, W. A. Biermann, and J. T. Dulak, assignors to Automatic Products Company, Milwaukee, Wis. Constant level liquid control device. 2,506,937, May 9.
Pawlansky, Sam, Chicago, Ill., now by judicial change of name, Sam W. Sam. Apparatus for drying laundry. 2,499,328, Feb. 28.
Pawley, Myron G., Alexandria, Va. Modulator. 2,514,413, July 11.
Pawley, Myron G., Alexandria, Va. Motor control circuit. 2,516,144, July 25.
Pawlishen, Edward: *See*—
Rigrod, William W., and Pawlishen.
Pawlishen, John, administrator: *See*—
Rigrod, William W., and Pawlishen.
Paw Paw Bait Company, assignee: *See*—
Sinclair, Clyde C.
Pawsat, Ewald F., Maysville, Ky. Basket mounting bracket. 2,498,446, Feb. 21.
Pawsat, Ewald F., Maysville, Ky. Steering post and manufacture. 2,505,648, Apr. 25.
Pawsat, Ewald F. and R. L., Maysville, Ky., said R. L. Pawsat assignor to E. F. Pawsat. Steering fork. 2,532,034, Nov. 28.
Pawsat, Ruben L.: *See*—
Pawsat, Ewald F. and R. L.
Pawson, Lucille E., trustee: *See*—
McGregor, Carlton F.
Pax, William J., Celina, Ohio. Hog feeder. 2,513,200, June 27.
Paxman, Edward P., Colchester, England. Means applicable to internal-combustion engines to facilitate inspection and repair. 2,519,697, Aug. 22.
Paxson, Homer D., Salem, Ohio. Material working machine. 2,508,534, May 23.
Paxton, Gerald C., assignor to General Nailing Machine Corporation, Sanger, Calif. Nail feeding device. 2,504,577, Apr. 18.
Paxton, Gerald C., assignor to General Nailing Machine Corporation, Sanger, Calif. Connecting rod unit. 2,523,631, Sept. 26.
Paxton, Gerald C., assignor to General Nailing Machine Corporation, Sanger, Calif. Nailing chuck actuating mechanism. 2,530,626, Nov. 21.
Payne, Amos O., assignor to OPW Corporation, Cincinnati, Ohio. Pedestal-type hydrant. 2,513,104, June 27.
Payne, Elmer C., Marblehead, assignor to Sylvania Electric Products Inc., Salem, Mass. Purification of phosphor components. 2,535,986, Dec. 26.
Payne, Elmer C., Marblehead, M. L. Hayes, Hamilton, and K. Demb, assignors to Sylvania Electric Products Inc., Salem, Mass. Fluorescent coating material containing ethyl cellulose. 2,524,733, Oct. 3.
Payne, Ernest, Denver, Colo. Tire relief valve. 2,510,192, June 6.
Payne, Ernest, Denver, Colo. Tire relief valve. 2,517,917, Aug. 8.
Payne, Frank B., Oak Park, Ill. Keeper. 2,533,396, Dec. 12.
Payne, Frank E., Glencoe, assignor to Crane Packing Company, Chicago, Ill. Cable packing. 2,504,936, Apr. 18.
Payne, Frank E., Glencoe, assignor to Crane Packing Company, Chicago, Ill. Self-contained mechanical seal with O ring. 2,504,937, Apr. 18.
Payne, Frank E., Glencoe, assignor to Crane Packing Company, Chicago, Ill. Cooled and lubricated rotary seal. 2,531,079, Nov. 21.
Payne, Frank E., Glencoe, assignor to Crane Packing Company, Chicago, Ill. Self-sealing coupling. 2,535,694, Dec. 26.
Payne, Fred A., Jr.: *See*—
Martin, Eric L., and Payne.
Payne, Jay H., Salina, Kans. Side disk terracing machine. 2,525,369, Oct. 10.
Payne, John H., assignor to Pacific Chemical & Fertilizer Company, Honolulu, Territory of Hawaii. Recovery of sucrose from molasses. 2,501,914, Mar. 28.
Payne, John H., and H. P. Kortschak, assignors to Pacific Chemical & Fertilizer Company, Honolulu, Hawaii. Regeneration of anion exchange resins. 2,507,992, May 16.
Payne, John W.: *See*—
Caldwell, Hamilton P., Jr., and Payne.
Simpson, Thomas P., Payne, and Crowley.
Payne, John W., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Mechanical shaping of porous materials. 2,517,707, Aug. 8.
Payne, John W., Woodbury, and E. V. Bergstrom, Short Hills, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Method and apparatus for heat-treating particle form solids. 2,509,014, May 23.
Payne, Oscar V.: *See*—
Palmer, Albert, and Payne.
Payne, Ralph V., Washington, D. C. Hoisting tower. 2,493,695, Jan. 3.
Payne, Ray J., San Francisco, Calif. Bookholder. 2,528,318, Oct. 31.
Payne, Thomas H., Los Angeles, Calif. Food cooker. 2,532,639, Dec. 5.
Payne, Willard A., Charleston, W. Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Conversion of methanol to formaldehyde combination catalysts. 2,519,788, Aug. 22.
Payne, William H., Hinsdale, Ill. Control system for electric motors. 2,519,599, Aug. 22.
Payne, William L., Culver City, Calif. Garment press retainer. 2,524,989, Oct. 10.
Payne, Worth C., assignor of ten per cent to Z. H. Howerton, Sr., and ten per cent to F. J. Robinson, Greensboro, N. C. Picker stick and mounting therefor. 2,499,256, Feb. 28.
Payson, Arthur H., and L. J. Darmstadt, assignors to The American Thermos Bottle Company, Norwich, Conn. Exhaust tip protector for vacuum insulated vessels. 2,534,295, Dec. 19.
Payson, Peter, assignor to Crucible Steel Company of America, New York, N. Y. Age hardening austenitic alloy steels. 2,523,917, Sept. 26.
Payson, Peter, New York, R. Schempp, Clay, N. Y., and C. H. Savage, Morristown, N. J., assignors to Crucible Steel Company of America, New York, N. Y. Heat- and corrosion-resisting alloy steel and articles thereof. 2,518,715, Aug. 15.
Payton, Allen L., assignor to Tranin Egg Products Company, Kansas City, Mo. Apparatus for mixing liquids. 2,530,174, Nov. 14.

Payton, James M., Fort Williams, Ontario, Canada. Log roller. 2,522,837, Sept. 19.

Payzant, Henry H., Seattle, Wash., assignor, by mesne assignments, to Timber Structures, Inc., Portland, Oreg. Scarf joint gluing press. 2,532,419, Dec. 5.

Pazandak, Louis A., assignor to Excel Products, Minneapolis, Minn. Distributor for seeds and the like. 2,506,382, May 2.

Peabody, Donald C., Yeadon, Pa., assignor to ACF-Brill Motors Company, New York, N. Y. Selector gear and throttle interlock. 2,493,592, Jan. 3.

Peach, Edmund R.: *See*—
Bowyer-Lowe, Albert C., and Peach.

Peacock, Francis J., Olton, Birmingham, England. Amusement machine. 2,534,730, Dec. 19.

Peacock, George W., Sr., assignee: *See*—
Peacock, Thomas W.

Peacock, Thomas W., assignor of one-half to F. G. Russell, and one-quarter to G. W. Peacock, Sr., Jacksonville, Fla. Stump dozer. 2,528,170, Oct. 31.

Pealer, Winfield S., receiver: *See*—
Hill, Ernest.

Pearce, Albert F., assignor to Electric & Musical Industries Limited, Middlesex, England. Electron discharge device including a hollow resonator.. 2,516,643, July 25.

Pearce, Albert F., Hampton Hill, N. C. Barford, and B. J. Mayo, assignors to Electric & Musical Industries Limited, Hayes, England. Electron discharge device with hollow resonator. 2,523,776, Sept. 26.

Pearce, Arthur G.: *See*—
Hawkins, Frank S., and Pearce.

Pearce, Edwin S., and L. D. Grisbaum, assignors to Railway Service and Supply Corporation, Indianapolis, Ind. Determining and recording whether or not a railway axle crown bearing has been operated at a predetermined critical temperature. 2,503,593, Apr. 11.

Pearce, George C., assignor to General Motors Corporation, Dayton, Ohio. Switch for domestic appliances. 2,496,889, Feb. 7.

Pearce, George C., assignor to General Motors Corporation, Dayton, Ohio. Domestic appliance. 2,509,989, May 30.

Pearce, George W., Peabody, assignor to Sylvania Electric Products Inc., Salem, Mass. Fluorescent lamp starter. 2,499,677, Mar. 7.

Pearce, George W., Peabody, assignor to Sylvania Electric Products Inc., Salem, Mass. Starter for electric gaseous discharge devices. 2,508,337, May 16.

Pearce, John, East Longmeadow, Mass., assignor to Savage Arms Corporation, Utica, N. Y. Washing machine. 2,500,467, Mar. 14.

Pearce, Owen A., and G. T. Baker, Liverpool, England, assignors to Automatic Electric Laboratories Inc., Chicago, Ill. Telephone system. 2,513,964, July 4.

Pearce, Philip G.: *See*—
Dunn, Roland H., and Pearce.

Pearce, Ralph R.: *See*—
Holman, Herbert E., and Pearce.

Pearce, Richard H., La Grande, Oreg. Safety catch for elevators and the like. 2,507,046, May 9.

Pearce, Robert O., Elgin, and R. W. Kramer, Carpentersville, Ill. Attachment for lathe machines. 2,502,274, Mar. 28.

Pearce, William L., Houston, Tex. Pipe holding slip. 2,496,172, Jan. 31.

Pearl, Daniel M., Chicago, Ill. Bicycle stop light. 2,497,012, Feb. 7.

Pearl, Elliott: *See*—
Kinzler, Morris, and Pearl.

Pearl, Irwin A., Appleton, Wis., assignor, by mesne assignments, to Sulphite Products Corporation. Synthesizing syringaldehyde. 2,516,412, July 25.

Pearlson, Wilbur H.: *See*—
Simons, Joseph H., Pearlson, and Brice.
Simons, Joseph H., Pearlson, and James.

Pearsall, David E., Avon, assignor to The Ensign-Bickford Company, Simsburg, Conn. Device for producing the vapor of a chemical agent. 2,521,941, Sept. 12.

Pearsall, David E., Avon, assignor to The Ensign-Bickford Company, Simsburg, Conn. Containing and dispensing heat vaporizable chemical agents. 2,521,942, Sept. 12.

Pearsall, Frank M., Merrick, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Ground trainer for aircraft personnel. 2,519,698, Aug. 22.

Pearse, John P., Swanton, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Glazing construction. 2,497,515, Feb. 14.

Pearson, Alan H., assignor to Pearson, Inc., Detroit, Mich. Indexing device. 2,524,538, Oct. 3.

Pearson, Axel B.: *See*—
Erland, Gustave G., and Pearson.

Pearson, Ben, assignee: *See*—
Keller, Martin W.

Pearson, Ben, Pine Bluff, Ark. Archery target making machine. 2,523,632, Sept. 26.

Pearson, Carl G., Philadelphia, Pa. Board removing tool. 2,511,175, June 13.

Pearson, Charles M., assignor to The Bagley & Sewall Company, Watertown, N. Y. Web threader for winder machines. 2,529,184, Nov. 7.

Pearson, Edwin I., assignor to L. N. Strike, Salt Lake City, Utah. Sleeve pressing machine. 2,495,281, Jan. 24.

Pearson, Gerald L., Millington, and W. Shockley, Madison, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Semiconductor amplifier. 2,502,479, Apr. 4.

Pearson, Gilbert W.: *See*—
Pool, Stuart D., and Pearson.

Pearson, Gilbert W., Moline, Ill., assignor to International Harvester Company. Floating pickup attachment for harvesters. 2,517,413, Aug. 1.

Pearson, Harold C.: *See*—
Anderson, Louis A., and Pearson.

Pearson, Harry A.: *See*—
Crownover, Joseph W., and Pearson.

Pearson, Harry A., Mount Vernon, assignor to Sonotone Corporation, Elmsford, N. Y. Magnetic insert earphone insertable in the ear of the user. 2,493,734, Jan. 3.

Pearson, Henry E., Cambridge, Mass., assignor to H. R. Ricardo, London, England. Needle valve. 2,520,430, Aug. 29.

Pearson, Inc., assignee: *See*—
Pearson, Alan H.

Pearson, John D., and D. G. Ashcroft, Saltcoats, Scotland, assignors to Imperial Chemical Industries Limited. Apparatus for drowning nitrocellulose. 2,517,918, Aug. 8.

Pearson, Nels E.: *See*—
Teerlink, James, D'Mohowski, and Pearson.

Pearson, Oscar H., Lake Villa, Ill. Shear. 2,496,018, Jan. 31.

Pearson, Otto H., assignor to L. N. Strike, Salt Lake City, Utah. Pressing head mounting and moving means. 2,493,997, Jan. 10.

Pearson, Otto H., assignor to L. N. Strike, Salt Lake City, Utah. Indexing and lock mechanism. 2,531,890, Nov. 28.

Pearson, Rolland F., Brooklyn, N. Y. Telemetric system. 2,496,105, Jan. 31.

Pearson, Virginia M., administratrix: *See*—
Pearson, Walter.

Pearson, Walter, deceased, late of Whitman, Mass., by V. M. Pearson, administratrix, Whitman, Mass., assignor to Landis Machine Company, St. Louis, Mo. Clutch and brake control for shoe stitchers. 2,494,452, Jan. 10.

Pearson, William C., assignor to The Pyle-National Company, Chicago, Ill. Explosion-proof pilot light. 2,529,706, Nov. 14.

Pearson, William S., Baltimore, Md., assignor to Peerco, Inc., Park Ridge, Ill. Automatic machine tool. 2,518,813, Aug. 15.

Pease, Benjamin F., Jr., Grafton, assignor to Brewer & Company, Inc., Worcester, Mass. Impervious spring-enclosing belt. 2,494,262, Jan. 10.

Pease, Benjamin F., Jr., Grafton, Mass. One-piece tongueless buckle. 2,529,048, Nov. 7.

Pease, Donald C.: *See*—
Johnston, Frederick L., and Pease.

Pease, Donald C., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Synthetic linear polyamides containing intralinear cyclic groups and obtaining same. 2,516,585, July 25.

Pease, George R.: *See*—
Kihlgren, Theodore E., Pease, and Le Grand.

Pease, George R., Plainfield, N. J., assignor to The International Nickel Company, Inc., New York, N. Y. Flux composition for gas welding of high nickel alloys. 2,518,366, Aug. 8.

Pease, John W., deceased, Rochester, N. Y., by W. N. Pease, executrix, Rochester, N. Y. Apple celling and slicing machine. 2,496,637, Feb. 7.

Pease, John W., deceased, by W. N. Pease, executrix, Rochester, N. Y. Apple celling and slicing machine. 2,509,781, May 30.

Pease, L. F., Company, assignee: *See*—
McClure, William I.

Pease, Lester J., Somerset Center, Mass., and L. L. Maine, Newport, R. I. Sight for firearms. 2,498,706, Feb. 28.

Pease, Marshall C., Needham, assignor to Sylvania Electric Products Inc., Salem, Mass. Cathode. 2,501,354, Mar. 21.

Pease, Walter L., Upper Darby, Pa., assignor to General Electric Company. Circuit breaker. 2,509,015, May 23.

Pease, William E.: *See*—
Richards, Edward A., and Pease.

Pease, William M., Boston, Mass., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale indicating mechanism. 2,518,568, Aug. 15.

Pease, Winnifred N., executrix: *See*—
Pease, John W.

Peberdy, Roland, assignor to The Bentley Engineering Company Limited, Leicester, England. Knitting machine. 2,495,543, Jan. 24.

Pech, Reuben J., assignee: *See*—
Kwitek, George M.

Pechukas, Alphonse, Akron, Ohio, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Production of carbonate esters. 2,518,058, Aug. 8.

Pechy, William, Manasquan, N. J., assignor to American Can Company, New York, N. Y. Gauge driving device for sheet feeding and gauging mechanisms. 2,529,513, Nov. 14.

Peck, Alvin W., Springdale, Ark., assignor to Phillips Petroleum Company. Apparatus for flame cultivation. 2,531,741, Nov. 28.

Peck, Donald S.: *See*—
Coolidge, Arthur W., Jr., and Peck.
Peck, Elliott W., Stratford, Conn. Bowling game comprising automatic means for setting up and separating the bowling elements. 2,495,473, Jan. 24.
Peck, Fred G., Hagerstown, Md. Liquid cooling unit. 2,508,289, May 16.
Peck, Irving H., assignor to The Star Pin Company, Derby, Conn. Curl clip. 2,505,719, Apr. 25.
Peck, Lee H., Chagrin Falls, Ohio, assignor, by mesne assignments, to Koppers Company, Inc. Electrochemical apparatus with adjustable electrode. 2,525,938, Oct. 17.
Peck, Robert L., Plainfield, assignor to Merck & Co., Inc., Rahway, N. J. Dihydrostreptomycin and acid addition salts. 2,498,574, Feb. 21.
Peck, Robert L., Plainfield, assignor to Merck & Co., Inc., Rahway, N. J. Penicillenic acid G and esters thereof and producing same. 2,505,834, May 2.
Peck, Robert L., Plainfield, N. J., and O. Johnson, Medina, N. Y., assignors to Merck & Co., Inc., Rahway, N. J. Penilloic acid and preparation thereof. 2,516,251, July 25.
Peck, Stow & Wilcox Company, The, assignee: *See*—
Ludwick, William L.
Lundgren, William E.
Peck, William H., assignor to Flex-Rite Valve & Manufacturing Company, Tulsa, Okla. Valve assembly. 2,525,615, Oct. 10.
Peckham, Charles, assignor to The Robson Corporation, New York, N. Y. Weighing scoop. 2,497,271, Feb. 14.
Peckham, Isidore F., Chicago, Ill., assignor to D. P. Mossman, Sr. Switch lockout mechanism. 2,497,416, Feb. 14.
Peckham, Joseph W., Oakland, Calif., assignor to The Bristol Company, Waterbury, Conn. Multiple-zone temperature control. 2,518,996, Aug. 15.
Peckinpaugh, Thomas L., Downey, Calif., assignor to Transit Freese, Inc., Reno, Nev. Method of and apparatus for transporting refrigerated commodities. 2,513,355, July 4.
Peckinpaugh, Thomas L., Downey, Calif., assignor to Transit Freese, Inc., Reno, Nev. Meathook. 2,520,561, Aug. 29.
Peco Manufacturing Co., assignee: *See*—
Errig, William F., and De Hart.
Pecoraro, Patrick G.: *See*—
Parker, Leland C., Hackett, and Pecoraro.
Pecorella, Alberto and B. G., Buffalo, N. Y. Artificial limb. 2,493,776, Jan. 10.
Pecorella, Benedict G.: *See*—
Pecorella, Alberto and B. G.
Peden, Albert, Media, Pa. Moving figure toy. 2,501,632, Mar. 21.
Pedersen, Axel V., Los Angeles, Calif. Wood joint. 2,498,180, Feb. 21.
Pedersen, Axel V., Los Angeles, Calif. Manufacturing curved structural elements. 2,510,602, June 6.
Pedersen, Axel V., Los Angeles, Calif. Truss end construction. 2,520,333, Aug. 29.
Pedersen, Erling: *See*—
Blikstad, Finn, and Pedersen.
Pedersen, Florian B., San Leandro, Calif. Slicer. 2,503,839, Apr. 11.
Pedersen, Ida, Chicago, Ill. Blanket. 2,497,186, Feb. 14.
Pedersen, Mathias, Brooklyn, N. Y., assignor to American Machine and Foundry Company. Thread guiding mechanism. 2,523,054, Sept. 19.
Pedersen, Vilhelm, Hong, Denmark. Presser foot for shoe sewing machines. 2,527,196, Oct. 24.
Pedersen, William W., Cleveland Heights, Ohio, assignor to Dow Corning Corporation, Midland, Mich. Molding powder containing organosiloxane resin and ethanolamine. 2,528,606, Nov. 7.
Pedershaab Maskinfabrik Aktieselskab, assignee: *See*—
Nielsen, Olav.
Pederson, Arthur H., and G. E. Holback, Middle River, Md., and T. R. Darmody, Jr., Philadelphia, Pa., assignors to The Glenn L. Martin Company, Middle River, Md. Testing pad assembly. 2,514,511, July 11.
Pedlow, Benjamin: *See*—
Peters, Herman, and Pedlow.
Pedlow, John W., Chester Heights, W. L. Webb, Glen Moore, and I. S. Roberts, Ridley Park, Pa., assignors to American Viscose Corporation, Wilmington, Del. Spinning artificial filaments. 2,510,133, June 6.
Pedrick Tool & Machine Company, assignee: *See*—
Shaw, Ralph M., Jr.
Pedu, Alexander A., Jr., Garden City, N. Y. Bearing mounting. 2,519,927, Aug. 22.
Peebles, Chad A., Newaygo, Mich. Adjustable appliance plug. 2,496,173, Jan. 31.
Peek, Richard K., assignor to Percy Kent Bag Co., Inc., Kansas City, Mo. Convertible bag and apron. 2,534,473, Dec. 19.
Peek, Robert L., Jr., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cross-wire switch. 2,517,022, Aug. 1.
Peel, Wirt D., Oakland, Calif. Fruit feeding and orienting machine. 2,496,019, Jan. 31.
Peeler, Noble E., St. Paul, Minn. Line advancer. 2,520,562, Aug. 29.
Peeling, Manley S., Flint, Mich. Perforated tray type oil burner. 2,501,688, Mar. 28.
Peeps, Donald J., assignor to The DeVilbiss Company, Toledo, Ohio. Hose connection and making. 2,525,616, Oct. 10.
Peeps, Donald J., assignor to The DeVilbiss Company, Toledo, Ohio. Spray head. 2,526,405, Oct. 17.
Peeps, Donald J., assignor to The De Vilbiss Company, Toledo, Ohio. Spray gun. 2,533,953, Dec. 12.
Peeples, Maurice E., Kingsland, Ga., assignor to Kingsland Saw Works, Inc. Combined saw handle, square, and miter. 2,506,102, May 2.
Peeples, Richard G., Atlanta, Ga. Spindle of yarn spinning machines. 2,517,920, Aug. 8.
Peerco Corporation, assignee: *See*—
Marvin, Stanley, and Orth.
Peerco, Inc., assignee: *See*—
Pearson, William S.
Peerless Machine Company, assignee: *See*—
Jensen, Otto M.
Peerless Tool & Engineering Company, assignee: *See*—
Kocarek, Franklin H.
Peerless Tube Company, assignee: *See*—
Remington, Frederic, and Tartaglia.
Peery, Norman E., assignor to Shell Development Company, San Francisco, Calif. Heating method and apparatus. 2,493,498, Jan. 3.
Peery, Walter E., Morristown, N. J., assignor to Time, Incorporated, New York, N. Y. Web viewing mechanism. 2,524,926, Oct. 10.
Peet, Nick P., Baytown, Tex., assignor to Standard Oil Development Company. 2Catalytic apparatus. 2,496,356, Feb. 7.
Peevey, Arthur L., Waco, Tex. Casting float. 2,527,956, Oct. 31.
Peff, Peter, Reno, Nev. Apparatus for storing and dispensing liquefied gases. 2,500,320, Mar. 14.
Peffers, Ira W., Newark, Ohio. Setting-up instrument. 2,508,837, May 23.
Pégard, Marcel, assignor to Société Ateliers G. S. P., Guillemin, Sergot, Pégard, Paris, France. Tapping box. 2,509,696, May 30.
Pégard, Marcel, Paris, France. Framework of machine tools. 2,517,505, Aug. 1.
Peglow, Walter: *See*—
Fletcher, James L., Peglow, and Crider.
Pegram, Samuel W., Park Hills, Ky. Curtain rod or the like. 2,509,521, May 30.
Pehlivanian, Anthony, Boonton, N. J. Twist controller for thread. 2,528,171, Oct. 31.
Peich, Marjorie A.: *See*—
Ryznar, John W., and Peich.
Peightel, Ira S., Harrisburg, Pa. Portable pencil sharpener. 2,510,248, June 6.
Peiker, Walter L., Lakewood, assignor to Continental Paper Products Company, Denver, Colo. Paperboard serving tray. 2,512,963, June 27.
Peirce, Charles P., assignee: *See*—
Knapp, William G.
Peirce, John E.: *See*—
Lopker, Edwin B., and Peirce.
Peirce, John E., Arlington, N. J., assignor to Allied Chemical & Dye Corporation. Apparatus and method for drying solid material. 2,499,157, Feb. 28.
Peirce, John E., Arlington, N. J., assignor to Allied Chemical & Dye Corporation. Pressure seal for rotary drum reactors. 2,500,295, Mar. 14.
Peiser, Josephine, and M. Cooper-Smith, New York, N. Y. Bosom shield or guard. 2,505,720, Apr. 25.
Peitzman, Abraham, Philadelphia, Pa., and R. M. Peitzman, Trenton, N. J. Garment. 2,533,039, Dec. 5.
Peitzman, Ralph M.: *See*—
Peitzman, Abraham and R. M.
Pekar, Stephen, Linden, N. J. Article grading apparatus. 2,508,796, May 23.
Pekich, Michael J., Brooklyn, N. Y. Smoke consumer for locomotives. 2,495,864, Jan. 31.
Pelcé, Henri, Flixecourt, assignor to Saint Freres, Paris, France. Device for tightening the weft and for sorting out the warp threads in circular weaving looms. 2,528,172, Oct. 31.
Pelcé, Henri, assignor to Société dite: Saint Freres, Societe-Anonyme, Paris, France. Device responsive to the unwinding of a weft thread. 2,535,369, Dec. 26.
Pelegatta, Erminio: *See*—
Pianta, Ubaldo, Pelegatta, and Nolli.
Pelfrey, Lowell S., Hamilton, assignor to Sylvania Electric Products Inc., Salem, Mass. Selenium rectifier. 2,524,270, Oct. 3.
Pelham Electric Manufacturing Corp., assignee: *See*—
Larsen, Bruno F.
Pell, Eric: *See*—
Douglas, John F. H., Pell, and Seeger.
Pell, Eric, Shorewood, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Controller for slip-ring alternating current motors. 2,508,771, May 23.
Pell, Eric, Shorewood, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Control of polyphase slip-ring induction motors. 2,519,196, Aug. 15.
Pellard, Alfred S.: *See*—
Perlstein, Alfred S.
Pellé, Pierre, Arcueil, France. Telegraphic measuring transmitter. 2,494,194, Jan. 10.
Pellé, Pierre, Arcueil, France. Retransmitter system and impulse corrector. 2,535,754, Dec. 26.

Pellegrinelli, George L., New York, N. Y., and M. Klein, Newark, N. J., assignors to Federal Telecommunication Laboratories, Inc., New York, N. Y. Direction finder system. 2,520,167, Aug. 29.
Pellegrini, Phillip, Glendale, Calif. Folding vehicle step. 2,493,639, Jan. 3.
Pellerin, Lionel J., Lynn, Mass. Safety gas burner. 2,534,474, Dec. 19.
Pellerin, Norvin L., New Orleans, La. Extractor drive shaft lubricator. 2,516,252, July 25.
Pelletier, Charles E., Suncook, N. H. First pick warp stop motion connection. 2,521,650, Sept. 5.
Pelletier, Emile J., Clarence, N. Y. Cabinet having a rotatably mounted shelf unit. 2,529,960, Nov. 14.
Pellettere, Joseph A., assignor to Gulf Oil Corporation, Pittsburgh, Pa. Apparatus for measuring liquid content. 2,521,477, Sept. 5.
Pelley, Perry H., assignor to Beech Aircraft Corporation, Wichita, Kans. Window frame. 2,497,957, Feb. 21.
Pelley, Perry H., assignor to Beech Aircraft Corporation, Wichita, Kans. Differential mechanism for adjusting aircraft surfaces. 2,509,697, May 30.
Pellon, George R.: *See*—
Shenk, Wilbur J., Jr., and Pellon.
Pellow, Charles E. and C. S., Detroit, Mich. Nut feed for castellating machines. 2,500,376, Mar. 14.
Pellow, Charles S.: *See*—
Pellow, Charles E. and C. S.
Pelouze Manufacturing Co., assignee: *See*—
Rundquist, Roy O.
Pelphrey, Harry, assignor to Michigan Tool Company, Detroit, Mich. Internal gear shaving machine. 2,504,578, Apr. 18.
Pelt, James D., Beverly Hills, assignor to Z. A. Mozert, West Hollywood, Calif. Smoking pipe. 2,532,820, Dec. 5.
Peltier, Frank D., Jenkintown, assignor to Philco Corporation, Philadelphia, Pa. Refrigeration system. 2,516,586, July 25.
Peltier, Frank D., Jenkintown, and M. C. Terry, Rydal, assignors to Philco Corporation, Philadelphia, Pa. Air conditioning apparatus. 2,496,355, Feb. 7.
Pelton, Earl L., assignor to the Dow Chemical Company, Midland, Mich. Purification of bicyclic acid $C_{10}H_{16}O_2$. 2,517,709, Aug. 8.
Pelton, Earl L., and A. A. Holzschuh, assignors to The Dow Chemical Company, Midland, Mich. Making disubstituted acetic acids from 2-(saturated hydrocarbon substituted)-cyclohexanols. 2,517,708, Aug. 8.
Pelton, Earl L., and A. A. Holzschuh, assignors to The Dow Chemical Company, Midland, Mich. Making dialkyl acetic acids and related compounds. 2,531,363, Nov. 21.
Pelton, Robert L., Dayton, Ohio. Air pressure mechanism. 2,509,879, May 30.
Pelton, Robert L., Dayton, Ohio. Air pressure mechanism. 2,509,880, May 30.
Pelton Water Wheel Company, The, assignee: *See*—
Alward, Leroy D.
Mathews, Keith L.
Orton, Ernest W.
Peltz, Gordon M., Flushing, and B. Ivins, New York, N. Y., assignors to Polaroid Corporation, Cambridge Mass. Stereoscopic camera. 2,505,140, Apr. 25.
Pelzer, Harold H., assignee: *See*—
Berry, Clyde F.
Pelzer, Harry L., Steger, Ill., assignor to Sinclair Refining Company, New York, N. Y. Catalytic conversion of hydrocarbons. 2,507,220, May 9.
Pember, William H., Sr., New York, N. Y. Portable presentation easel. 2,515,313, July 18.
Pemmerl, Michael, Chatham, N. J. Mallet having interchangeable percussion heads. 2,518,059, Aug. 8.
Penberthy, Paul, Glendale, Calif. Unloading device. 2,494,103, Jan. 10.
Pence, Fred T., Shelbyville, Ind., assignor to Kennedy Car Liner and Bag Company, Inc. Garment protector. 2,521,250, Sept. 5.
Pence, William A., Adell, assignor to Enger-Kress Company, West Bend, Wis. End closure means for billfolds. 2,496,174, Jan. 31.
Pendergrass, James A., Miami, Fla. Safety gun rest. 2,526,768, Oct. 24.
Pendleton, Pyam L., Cranston, R. I., assignor to Hampton Machine Company. Strand drying apparatus. 2,507,678, May 16.
Pendleton, Wesley W.: *See*—
Berberich, Leo J., and Pendleton.
Pendleton, Wesley W., and H. M. Philofsky, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrical insulation comprising polytetrafluoroethylene. 2,533,501, Dec. 12.
Penfield, Charles S., Bakersfield, assignor to Shell Development Company, San Francisco, Calif. Formation tester. 2,509,608, May 30.
Penfold, Charles S., assignor to H. A. Douglass Mfg. Co., Bronson, Mich. Coupling. 2,516,907, Aug. 1.
Penhallegon, Charles H., Brattleboro, Vt. Adjustable garment hanger. 2,518,367, Aug. 8.
Penick, Arthur J., assignor to Oil Center Tool Company, Houston, Tex. Wash valve for wells. 2,495,642, Jan. 24.
Penick & Ford, Ltd., Incorporated, assignee: *See*—
Kesler, Carl C., and Hjermstad.
Penick, S. B., & Company, assignee: *See*—
Baron, Abraham L.
Peninsular Metal Products Corporation, assignee: *See*—
Lewis, Paul M.
Penker, Ernest, Flushing, and M. Bulin, Jackson Heights, assignors to Etched Products Corporation, Long Island City, N. Y. Apparatus for coating plates. 2,532,730, Dec. 5.
Penksa, Stanley, Yonkers, N. Y. Protective receptor. 2,510,249, June 6.
Penksa, Stanley, Yonkers, N. Y. Elastic ventilated tubular envelope. 2,512,872, June 27.
Penksa, Stanley, Yonkers, N. Y. Prophylactic. 2,525,238, Oct. 10.
Penman, Walter R., Lebanon, Pa., assignor to Bethlehem Steel Company. Screw thread for high strength bolting. 2,514,589, July 11.
Penn, Alfred J., Pinner, assignor to D. Napier & Son Limited, London, England. Internal-combustion engine power plant. 2,500,860, Mar. 14.
Penn, Edward W., assignor of fifty per cent to I. L. Gearing, Springfield, Mo. Incandescent lamp applying and removing device. 2,526,084, Oct. 17.
Penn Electric Switch Co., assignee: *See*—
Cress, Ralph V.
Hawthorn, Harold L., and Germond.
Hottenroth, Frederick W.
Linfor, Joseph P.
Rothwell, John J.
Penn, George R., Jr., South Charleston, and J. F. Suter, Charleston, W. Va., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Composition of vinyl chloride-acetate-alcohol copolymer. 2,512,726, June 27.
Penn Metal Corporation of Penna., assignee: *See*—
Hiler, Roy R.
Penn Supply and Metal Corporation, assignee: *See*—
Silberman, Alexander.
Pennebaker, Lewis C., assignor to O. B. Andrews Company, Chattanooga, Tenn. Insulated package. 2,507,929, May 16.
Pennell, William C., Saugus, Mass., assignor to General Electric Company. Traffic signal control system 2,531,153., Nov. 21.
Pennella, Samuel, Pompton Lakes, N. J. Method and apparatus for applying condenser tube packing. 2,521,186, Sept. 5.
Penney, Gaylor W., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Dust-precipitating means with separable plate-assembly units. 2,528,842, Nov. 7.
Penning, Frans M.: *See*—
Verburg, Cornelis, Dorgelo, and Penning.
Penning, Frans M., and J. H. A. Moubis, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Ion discharge tube for high voltages. 2,532,188, Nov. 28.
Penning, Jackson W., Roseville, Mich. Beverage cooler. 2,532,328, Dec. 5.
Pennington, Darius B., assignee: *See*—
Pugh, Robert E.
Pennington, Elonza A., Arkadelphia, Ark. Crosshead. 2,510,833, June 6.
Pennington, Gordon R., Bloomfield Hills, assignor to Chrysler Corporation, Highland Park, Mich. Valve construction. 2,513,817, July 4.
Pennington, Neal A., Tucson, Ariz., assignor of one-fifth to R. H. Henley, Tiptonville, Tenn., and one-fourth to R. S. Hoar, South Milwaukee, Wis. Air conditioner having thermostatic control. 2,499,411, Mar. 1.
Pennington, Neal A., Tucson, Ariz., assignor of one-fifth to R. H. Henley, Tiptonville, Tenn., and one-quarter to R. S. Hoar, South Milwaukee, Wis. Compact air conditioning unit. 2,527,569, Oct. 31.
Pennow, Willis A., Cleveland, and R. T. Burns, Lakewood, Ohio, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Light projector. 2,498,294, Feb. 21.
Pennsylvania Crusher Company, assignee: *See*—
Borton, George W., and Hartshorn.
Wilson, John G.
Pennsylvania Drilling Company, assignee: *See*—
Sturges, Frank C., and Strope.
Pennsylvania Electronics Incorporated, assignee: *See*—
Greener, Harry A.
Pennsylvania Engineering Corporation, assignee: *See*—
McFeaters, Harry L.
Pennsylvania Furnace and Iron Company, assignee: *See*—
De Frees, Joseph H.
Pennsylvania Pump & Compressor Company, assignee: *See*—
Nathan Ellis.
Pennsylvania Railroad Company, The, assignee: *See*—
Keller, William M.
Miller, Robert N., and Grindall.
Smith, Adrian C.
Steins, Carleton K.

Pennsylvania Research Corporation, The, assignee: *See*—
Allen, Clayton H., and Rudnick.
Camp, Leon W.
Mentzer, John R.
Pennsylvania Salt Manufacturing Company, The, assignee: *See*—
La Lande, William A., Jr., and Green.
Pennybacker, Miles, Redding, Conn. Gas discharge lamp. 2,509,071, May 23.
Pennybacker, Miles, Redding, Conn. Ski binding. 2,517,919, Aug. 8.
Pennzoil Company, The, assignee: *See*—
Johnson, Evert F.
Penrod, Joy E., Muncie, Ind. Punch aligning implement. 2,498,114, Feb. 21.
Pentecost, Horace T., Seattle, Wash. Landing mechanism for rotary wing aircraft. 2,515,380, July 18.
Pentén, Lars E., Duvbo, Sundbyberg, assignor to Leje & Thurne Aktiebolag, Stockholm, Sweden. Separation of fibers suspended in a liquid. 2,518,814, Aug. 15.
Pentheny, George W.: *See*—
Jenks, Barton L., Jr., and Pentheny.
Pentheny, George W., East Lansdowne, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Turbine steam supply connection. 2,527,445, Oct. 24.
Pentland, Alex M., Ann Arbor, Mich. Plural film roll holding camera. 2,521,404, Sept. 5.
Penton, Francisco T., Central Florida, Florida, Cuba, assignor to Farrel-Birmingham Company, Incorporated, Ansonia, Conn. Cane Mill. 2,494,195, Jan. 10.
Penza, George, Detroit, Mich. Beam compass. 2,513,670, July 4.
Pepin, Wilfred A., San Diego, Calif. Foot correction appliance. 2,510,654, June 6.
People of the United States of America, dedicated to the, assignee: *See*—
Brannon, Loyd W.
Cain, Hubert C.
Carter, Walter.
Feinstein, Louis, and Hannan.
Frankenfeld, Justus C.
Fulton, Robert A., and Fales.
Johnson, Seymour J.
Johnston, Norman F.
Limbach, John P.
Morell, Samuel A., and Von Korff.
Mueller, Lincoln A.
Starr, Donald F.
Pepinsky, Raymond: *See*—
Higinbotham, William A., and Pepinsky.
Peppard, Donald M.: *See*—
Nutting, Eugene G., Jr., and Peppard.
Pepper, Carl P., Plainfield, assignor to L. G. S. Spring Clutch Corporation, Indianapolis, Ind. Motor-generator-starter drive unit. 2,494,960, Jan. 17.
Pepper, Carl P., Plainfield, Ind., assignor, by mesne assignments, to The Marquette Metal Products Company, Cleveland, Ohio. Detachable coupling. 2,510,653, June 6.
Pepper, Carl P., Plainfield, Ind., assignor, by mesne assignments, to The Marquette Metal Products Company, Cleveland, Ohio. Clutch spring anchorage. 2,533,952, Dec. 12.
Pepper, Delmar E., assignor of one-fourth to H. V. Plunkett and H. V. Plunkett, Jr., Austin, Minn. Automatic circuit breaker and contactor. 2,496,020, Jan. 31.
Pepperdine, Ben, assignor to The Plomb Tool Company, Los Angeles, Calif. Adjustable toggle pliers. 2,518,173, Aug. 8.
Pequeño, Elisa S., Barcelona, Spain. Apparatus for treating meteorism or tympanites in animals. 2,516,413, July 25.
Pequignot, Michael, Grenoble, France. Treating fluids by radiation. 2,501,290, Mar. 21.
Peraino, Ambrose J., assignee: *See*—
Nipken, Walter.
Perch, Michael, North Arlington, N. J., assignor to Koppers Company, Inc., Pittsburgh, Pa. Coking expanding coals. 2,504,150, Apr. 18.
Percival, Don R.: *See*—
Silven, Herbert A., and Percival.
Percival, William S., Ealing, London, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Wave guide with mode suppression means. 2,512,468, June 20.
Percoco, Richard A., Mamaroneck, N. Y. Staple. 2,521,019, Sept. 5.
Percy, William: *See*—
Nelson, James E., Bosworth, Percy, Balne, and Holman.
Perdue Manufacturing Co., Inc., assignee: *See*—
Geeslin, Sybil B.
Perdue, Willard F.: *See*—
Rowland, Frederick T., and Perdue.
Peregrine, Edgar P., Tynemouth, assignor to The Parsons and Marine Engineering Turbine Research and Development Association, Wallsend, England. Combustion unit. 2,495,386, Jan. 24.
Pereira, Virginia, Forest Hills, N. Y., and L. S. Burri, Hillsdale, N. J. Fastening clip. 2,510,250, June 6.
Perelman, Albert A., Brooklyn, assignor to Lily-Tulip Cup Corporation, New York, N. Y. Dispenser for paper cups and the like. 2,496,812, Feb. 7.
Peremi, Edmund, Bayside, and H. Weimann, Yonkers, assignors, by mesne assignments, to General Bronze Corporation, Garden City, N. Y. Auxiliary window screen and shade construction. 2,509,398, May 30.
Peremi, Edmund, Bayside, and H. Weimann, Yonkers, assignors, by mesne assignments, to General Bronze Corporation, Garden City, N. Y. Balanced door. 2,530,263, Nov. 14.
Peretti, Yolanda, and G. Caccivio, New York, N. Y. Shoe construction. 2,495,820, Jan. 31.
Perfect Seal Manufacturing Company, Incorporated, assignee: *See*—
Kinish, Arthur R.
Perfection Manufacturing Corporation, assignee: *See*—
Dinesen, Laurits.
Dinesen, Laurits, and Olson.
Perfection Steel Body Company, The, assignee: *See*—
Barker, Eros V.
Perfection Stove Company, assignee: *See*—
Chadwick, Lee S.
Cleveland, Allen E.
Resek, Marc.
Resek, Marc, and Kiefer.
Townley, Holden B.
Perfex Corporation, assignee: *See*—
Coultrip, Raymond L.
Frerer, Paul G.
Harris, John L.
Panthofer, Ernest H.
Perforations, Inc., assignee: *See*—
Seemuller, Elmer F.
Perieres, René A. P. G.: *See*—
Ollivier, Pierre J. M. C., and Perieres.
Perignat, Joseph M., Forest Hills, assignor to Consolidated Sewing Machine & Supply Co., Inc., New York, N. Y. Cloth laying up machine. 2,502,745, Apr. 4.
Perilli, Louis, Waltham, assignor to Associated Folding Box Co., South Boston, Mass. Machine for setting up box blanks. 2,510,251, June 6.
Perillo, Florindo J., Jackson Heights, assignor to Viewlex, Inc., Queens County, N. Y. Portable folding projection apparatus for film slides. 2,506,168, May 2.
Perillo, Florindo J., Jackson Heights, assignor to Viewlex, Inc., Queens County, N. Y. Illumination system for projectors. 2,506,169, May 2.
Perillo, Florindo J., Jackson Heights, assignor to Viewlex, Inc., Queens County, N. Y. Slide positioning mechanism for projectors. 2,506,170, May 2.
Perillo, Florindo J., Jackson Heights, assignor to Viewlex, Inc., Queens County, N. Y. Automatic switching device. 2,506,171, May 2.
Perillo, Florindo J., Jackson Heights, assignor to Viewlex, Inc., Queens County, N. Y. Projector strip film advancing and framing mechanism. 2,534,731, Dec. 19.
Perillo, Florindo J., Jackson Heights, assignor to Viewlex, Inc., Queens County, N. Y. Film guide for strip film projectors. 2,534,732, Dec. 19.
Perkerson, Fred S., assignor, by mesne assignments, to Callaway Mills Company, La Grange, Ga. Adhesion of rubber to fibrous materials. 2,499,774, Mar. 7.
Perkin-Elmer Corporation, The, assignee: *See*—
Baker, James G.
Liston, Max D.
Liston, Max D., and Opperman.
McCarthy, Edward L.
Perkins, Albert G., Warsaw, N. Y. Milk flow control for milking machines. 2,496,307, Feb. 7.
Perkins, B. F., & Son, Inc., assignee: *See*—
Getchell, Raymond E.
Hurst, Edward.
Tinker, Malcolm H.
Perkins, Charles W., Leicester, England. Circular knitting machine. 2,498,447, Feb. 21.
Perkins, Frank K.: *See*—
Merriam, Charles W., Jr., and Perkins.
Perkins, George G.: *See*—
Saterlie, Clifford J., and Perkins.
Perkins, George G., Lyun, Mass. Screw cap loosener. 2,503,683, Apr. 11.
Perkins, George S., Kew Gardens, assignor to National Equipment Corporation, New York, N. Y. Screen for confectionery machines. 2,507,930, May 16.
Perkins, George S., Kew Gardens, assignor to National Equipment Corporation, New York, N. Y. Pump construction. 2,510,317, June 6.
Perkins, John T.: *See*—
Bates, Harry U., and Perkins.
Perkins, Logan P., Sulphur, La. Emergency exit. 2,499,035, Feb. 28.
Perkins, Lyman G., assignee: *See*—
Gilreath, Lafayette E.
Perkins Machine and Gear Company, assignee: *See*—
Deloghia, Louis E.
Perkins, Melvin A., Wilmington, Del., assignor to the United States of America as represented by the United States Atomic Energy Commission. Making fluorinated organic compounds. 2,499,833, Mar. 7.
Perkins, Ronald R., Dallas, Tex. Popcorn machine. 2,495,865, Jan. 31.
Perkins, Theodore B., West Orange, N. J., assignor to Radio Corporation of America. Photoelectric comparator having two bridge circuits. 2,510,347, June 6.

Perkins, Theodore B., West Orange, N. J., assignor to Radio Corporation of America. Electronic gas control circuit. 2,519,789, Aug. 22.

Perkins, Wallace W.: *See*—
Caris, Darl F., and Perkins.

Perkins, Walter F., Baltimore, Md., assignor to Koppers Company, Inc., Pittsburgh, Pa. Constructing lift-type gasholders. 2,511,873, June 20.

Perkins, Walter T., Timberlake, N. C. Electric fence. 2,502,882, Apr. 4.

Perks, Robert L.: *See*—
Benson, Gwyn, and Perks.

Perl, Frederick W., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Liquid infusion device. 2,527,447, Oct. 24.

Perl, John, Los Angeles, Calif. Hydraulic cement composition and making. 2,504,579, Apr. 18.

Perley, George A., Wyncote, assignor to Leeds and Northrup Company, Philadelphia, Pa. pH-responsive glass electrodes. 2,497,235, Feb. 14.

Perlin Development Corporation, assignee: *See*—
Perlin, Fred.

Perlin, Fred, Los Angeles, Calif. Light meter having reflecting means to receive light from two opposite directions. 2,509,366, May 30.

Perlin, Fred, Bell Harbor, assignor to Perlin Development Corporation, New York, N. Y. Film carrying cartridge for cameras. 2,513,740, July 4.

Perlin, Fred, Bell Harbor, assignor to Perlin Development Corporation, New York, N. Y. Pocket camera. 2,521,743, Sept. 12.

Perlin, Samuel, Far Rockaway, N. Y. Brief case. 2,502,275, Mar. 28.

Perlman, David: *See*—
Langlykke, Asger F., and Perlman.

Perlman, Herbert, assignee: *See*—
Friedman, Werther.

Perlman, Hy, assignee: *See*—
Friedman, Werther.

Perlman, Hy, & Co.: *See*—
Friedman, Werther.

Perlman, Lily, assignee: *See*—
Friedman, Werther.

Perlman, Samuel D., Washington, D. C. Heater or stove. 2,530,721, Nov. 21.

Perlow, Gilbert J., J. D. Shipman, Jr., and C. A. Schroeder, Washington, D. C. Radioactivity detector. 2,513,356, July 4.

Perlow, Gilbert J., Washington, D. C., and L. H. Rumbaugh, Indian Head, Md. Heading adjustment of a degaussing system. 2,519,395, Aug. 22.

Perlstein, Alfred S., Elmhurst, N. Y., now by judicial change of name Alfred S. Pellard. Lipstick holder. 2,513,046, June 27.

Permanente Metals Corporation, The, assignee: *See*—
Byrns, Alva C.
De Maestri, Fred A.
Woodward, Teynham.

Permo Incorporated, assignee: *See*—
Andres, Lloyd.
Andres, Lloyd J.
Mencke, George M.
Pate, Sherman E.

Permold Company, The, assignee: *See*—
Fahlman, Everett G., and Jackson.

Perlmutter, Samuel, Newton, Mass. Drapery hook. 2,512,376, June 20.

Permutit Company, The, assignee: *See*—
Calmon, Calvin.
Pick, Eric.
Salvesen, Charles S.
Sussman, Sidney.
Tiger, Howard L.
Way, Arnold D.

Pernic, Joseph, and R. Leroy, assignors to Compagnie Generale d'Electricite, Paris, France. Apparatus for the measurement of the index number of telegraph signals. 2,530,839, Nov. 21.

Perolini, Marcel, Paris, France, assignor to General Electric Company. Insulating bushing with flexible sheath mounting. 2,524,539, Oct. 3.

Perraud, Roger F., assignor to Société: A. J. Fagard & Cié, Paris, France. Push button type mechanical pencil. 2,526,268, Oct. 17.

Perreault, George E., White Plains, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Tuning fork type periodic switch. 2,502,339, Mar. 28.

Perret, William R., and T. Davis, Oak Ridge, Tenn., assignors, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission. Pressure measuring device. 2,506,431, May 2.

Perrigo, Howard A., Hamden, Conn. Sadiron holder. 2,530,027, Nov. 14.

Perrigo, Howard A., Hamden, Conn. Indicating extension-attachment for collapsible tubes. 2,531,641, Nov. 28.

Perrill, Harlan K., San Diego, Calif. Finger nail cutter. 2,532,370, Dec. 5.

Perrin, Paul C., Pittsburgh, and W. J. Sharbaugh, Wilkinsburg, assignors to Mine Safety Appliances Company, Pittsburgh, Pa. Salt tablet dispenser. 2,494,141, Jan. 10.

Perrine, Clarence E., and A. M. Brown, assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Welding equipment. 2,495,129, Jan. 17.

Perron, Nelson J.: *See*—
Perron, Theophil F. and N. J.

Perron, Theophil F. and N. J., Sault Sainte Marie, Mich. Filer's guide. 2,503,063, Apr. 4.

Perrotta, Edna M., Lyndhurst, N. J., and G. M. Parkrose, Brooklyn, N. Y. Load carrier. 2,534,367, Dec. 19.

Perry, Alfred A., and C. E. Brown, Syracuse, N. Y., said Brown assignor to said Perry. Knife case. 2,495,866, Jan. 31.

Perry, Alois B., Los Angeles, and L. S. Hamer, Long Beach, Calif. Controlled packing construction for pumps or the like. 2,534,530, Dec. 19.

Perry, Arthur S., Miami Beach, Fla., assignor to Dual Message Clock Co., Detroit, Mich. Advertising device. 2,518,633, Aug. 15.

Perry, Charles, Bexley, assignor to Vickers-Armstrongs Limited, London, England. Profiling machine. 2,507,734, May 16.

Perry, Charles S., H. M. McMillan, L. C. Herring, and J. F. Bauknight, Atlanta, Ga. Car wheeling device. 2,505,003, Apr. 25.

Perry, Clarence, Santa Ana, Calif. Saw filing device. 2,513,671, July 4.

Perry, Edmond S., assignor, by mesne assignments, to Eastman Kodak Company, Rochester, N. Y. Wide inlet rotary pump for circulating liquids under vacuum. 2,499,158, Feb. 28.

Perry, Edward D., East Greenwich, assignor to Sterling Engineering Co., Providence, R. I. Power press. 2,516,017, July 18.

Perry, Edwin M., Issaquah, Wash. Fish lure. 2,511,002, June 13.

Perry, Eli.: *See*—
Stanford, Jerome S., and Perry.

Perry, George F., and M. J. Halfpenny, Moncton, New Brunswick, Canada. Apparatus for making ice. 2,512,809, June 27.

Perry, Henry J., assignor to The J. P. Lewis Co., Beaver Falls, N. Y. Making laminated fiberboard. 2,503,407, Apr. 11.

Perry, James W.: *See*—
Frazer, Joseph H., Perry, and Johnson.

Perry, Julian P., Furlong, Pa., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Rotor mounting for helicopters. 2,514,206, July 4.

Perry-Lowell & Co., assignee: *See*—
Okey, Perry.

Perry, Murle, Minneapolis, Minn. Stoma receiver. 2,496,175, Jan. 31.

Perry, Murle, Minneapolis, Minn. Colostomy device. 2,504,872, Apr. 18.

Perry, Nick, Chicago Heights, Ill. Adjustable back reclining chair. 2,530,264, Nov. 14.

Perry, Oscar R., Inglewood, assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif. Rivet feeding attachment. 2,507,047, May 9.

Perry, Robert B., Los Angeles, Calif. Shoulder pad. 2,522,688, Sept. 19.

Perry, Robert B., Los Angeles, Calif. Making shoulder pads. 2,522,689, Sept. 19.

Perry, Robert B., Los Angeles, Calif. Apparatus for making shoulder pads. 2,522,690, Sept. 19.

Perry, Rocco: *See*—
Cameron, Leroy F., and Perry.

Perry, Roy A., Santa Monica, Calif. Slicing machine. 2,504,724, Apr. 18.

Perry, Stephen F., Roselle, N. J., assignor to Standard Oil Development Company. Pretreating hydrocarbons to be isomerized. 2,493,499, Jan. 3.

Perry, Thomas L.: *See*—
Patrick, Earnest H., and Perry.

Perry, William A.: *See*—
Merrill, David R., and Perry.

Persall, Roy, Morton, Wash. Surgical splint. 2,497,626, Feb. 14.

Persha, David T., and J. F. Paulucci, Duluth, Minn. Growing bean sprouts. 2,522,798, Sept. 19.

Persinger, William G., Burbank, Calif. Shoe support. 2,530,537, Nov. 21.

Person, Frank W., Jr., Kenmore, assignor to Fedders-Quigan Corporation, Buffalo, N. Y. Tank fitting and making the same. 2,509,782, May 30.

Person, Orville W., Spokane, Wash. Dough raising box. 2,499,525, Mar. 7.

Persons, Lawrence M., Chesterfield, assignor to McQuay-Norris Manufacturing Company, St. Louis, Mo. Holding circuit control for reversible electric motors. 2,502,023, Mar. 28.

Persons, Lawrence M., Chesterfield, assignor to McQuay-Norris Manufacturing Company, St. Louis, Mo. Electromagnetic switching means. 2,528,777, Nov. 7.

Persons, Lawrence M., Chesterfield, assignor to McQuay-Norris Manufacturing Company, St. Louis, Mo. Snap action switch. 2,529,785, Nov. 14.

Persons Majestic Mfg. Co., assignee: *See*—
Persons, Robert C.

Persons, Robert C., assignor to Persons Majestic Mfg. Co., Worcester, Mass. Saddle protector. 2,494,519, Jan. 10.

Persson, Ernest, New York, assignor to The International Postal Supply Company, Brooklyn, N. Y. Numbering machine. 2,516,721, July 25.

Persson, Henry L., Emmaljunga, Sweden. Folding baby carriage. 2,516,339, July 25.
Persson, Per, assignee: *See*—
Persson, Richard B.
Persson, Richard B., assignor of one-half to P. Persson, Chicago, Ill. Power-driven conveyer. 2,493,465, Jan. 3.
Perwas, Ludwig F., New York, N. Y. Fountain toothbrush having built-in air pump for feeding dentifrice from reservoir to bristles. 2,507,419, May 9.
Perzel, John, Garfield, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Extrusion apparatus for coating insulation over wires and cables. 2,524,829, Oct. 10.
Pescatori, Igino P., St. Albans, N. Y. Educational device. 2,512,837, June 27.
Pesch, Herman, Fayetteville, assignor to Continental Can Company, Inc., New York, N. Y. Fruit cutter and stoner. 2,517,342, Aug. 1.
Pesci, Thomas, Philadelphia, Pa., assignor to Bonafide Mills, Inc., New York, N. Y. Method and machine for making inlaid linoleum. 2,527,648, Oct. 31.
Pesqueira, Juventino J.: *See*—
Casella, Secondo L., Kurzweil, and Pesqueira.
Kurzweil, Robert, and Pesqueira.
Pesqueira, Juventino J., assignor to Morey Machinery Co., Inc., New York, N. Y. Lathe. 2,494,196, Jan. 10.
Pessel, Leopold, Philadelphia, Pa., assignor to Radio Corporation of America. Process of cleaning and tinning electrical conductors. 2,505,627, Apr. 25.
Pestarini, Joseph M., Staten Island, N. Y. Metadyne generator and prime mover control. 2,498,765, Feb. 28.
Pestarini, Joseph M., Staten Island, N. Y. Electrical power transmission system. 2,501,477, Mar. 21.
Pestarini, Joseph M., Staten Island, N. Y. Generator frequency control system. 2,527,070, Oct. 24.
Pest Control Limited, assignee: *See*—
Marshall, Edward J.
Tapp, Ernest T. J., and Davey.
Pestolesi, August, Orange, Calif. Carrier and container for hypodermic syringes. 2,523,877, Sept. 26.
Pestyner, Philip, Jamaica, N. Y. Necktie rack. 2,499,159, Feb. 28.
Petcar Research Corporation, assignee: *See*—
Peters, Melville F.
Peter, Charles R., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Electric switch with flexible lead deformed by torsion. 2,533,397, Dec. 12.
Peter, Gustave C., and F. J. Schmidt, Wauwatosa, Wis., assignors to The Peter-Schmidt Corporation, Chicago, Ill. Manually operated adjustable oar wheel. 2,505,721, Apr. 25.
Peter, Rudolf: *See*—
Villiger, Eugen, and Peter.
Peter-Schmidt Corporation, The, assignee: *See*—
Peter, Gustave C., and Schmidt.
Peterhans, Walter: *See*—
Van der Rohe, Ludwig, and Peterhans.
Peterman, Earl A., Detroit, Mich. Glucuronic acid synthesis. 2,520,255, Aug. 29.
Peterman, Earl A., Detroit, Mich. Producing glucuronic acid. 2,520,256, Aug. 29.
Peters, Abner G., Seattle, Wash. Modulating an electronic circuit. 2,503,352, Apr. 11.
Peters, Carl, St. Louis, Mo. Boat. 2,527,327, Oct. 24.
Peters, Carl F., assignor to Velsicol Corporation, Chicago, Ill. Production of resinous compositions. 2,522,889, Sept. 19.
Peters, Carroll W., Belvidere, Ill. Fountain pen. 2,502,102, Mar. 28.
Peters, Clifford M.: *See*—
Garrett, Henry U., and Peters.
Peters, Dora H., executrix: *See*—
Peters, Lester J.
Peters, Edgar G., assignor to Lockheed Aircraft Corporation, Burbank, Calif. Quick disconnect coupling for cables. 2,497,467, Feb. 14.
Peters, Edwin F.: *See*—
Evering, Bernard L., and Peters.
Peters, Ernest C., Norwalk, and J. J. English, assignors to S. A., and L. S. Downs, Whittier, Calif. Molasses dispenser for cattle. 2,519,322, Aug. 15.
Peters, Faith P., assignor to R. H. Wendt, Chicago, Ill. Dry cup assembly. 2,518,368, Aug. 8.
Peters, Fred, Hawthorne, Calif. Box or container. 2,507,319, May 9.
Peters, George E., and L. E. Russell, assignors to Peters & Russell, Inc., Springfield, Ohio. Valved hose connection. 2,497,906, Feb. 21.
Peters, George E., and L. E. Russell, assignors to Peters & Russell, Inc., Springfield, Ohio. Pump handle. 2,497,907, Feb. 21.
Peters, Helen B., Tulsa, Okla. Picture hanger. 2,526,827, Oct. 24.
Peters, Herman, and B. Pedlow, assignors to The Serrick Corporation, Muncie, Ind. Machine for paint-filling depressions in parts. 2,515,891, July 18.
Peters, Horace W., assignee: *See*—
Oakes, Nathan W.
Peters, James B., Lynn, Mass. Portable lathe. 2,518,929, Aug. 15.
Peters, James F., Jr., Dorchester, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Fastener clip for flanged supports. 2,504,086, Apr. 11.
Peters, John G.: *See*—
Smith, Herschel G., Cantrell, and Peters.
Peters, John V.: *See*—
Livingood, John J., Peters, and Streeter.
Peters, Layman R., Peru, Ind. Single cavity type motor-driven pump. 2,517,233, Aug. 1.
Peters, Leo: *See*—
Reed, Harold B., Swanson, and Peters.
Peters, Leo, Evanston, Ill. Lock support for containers. 2,523,969, Sept. 26.
Peters, Leo, Evanston, Ill. Oleomargarine package. 2,532,513, Dec. 5.
Peters, Leo R., Cleveland Heights, Ohio, assignor to General Electric Company. Electric discharge device. 2,530,990, Nov. 21.
Peters, Leslie J.: *See*—
Reardon, Joseph D., and Peters.
Peters, Lester J., Portland, Oreg.; D. H. Peters, executrix of said L. J. Peters, deceased. Hydraulically-shiftable-saw edger machine. 2,507,644, May 16.
Peters, Lester J., deceased, Portland, Oreg.; D. H. Peters, executrix of said L. J. Peters. Setwork. 2,518,369, Aug. 8.
Peters, Melville F., assignor to Petcar Research Corporation, Newark, N. J. Manufacturing fire detector and like elements. 2,495,867, Jan. 31.
Peters, Norman J., assignor to Damrow Brothers Company, Fond du Lac, Wis. Cheese press. 2,514,007, July 4.
Peters, Norman J., assignor to Damrow Brothers Company, Fond du Lac, Wis. Cooking apparatus. 2,514,008, July 4.
Peters, Philip H., Jr., and J. P. Blewett, Schenectady, N. Y., assignors to General Electric Company. Frequency controllable magnetron. 2,528,241, Oct. 31.
Peters, Robert J., Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Selective carburization. 2,520,334, Aug. 29.
Peters, Rupert P., Leamington Spa, England. Container. 2,522,058, Sept. 12.
Peters & Russell, Inc., assignee: *See*—
Peters, George E., and Russell.
Peters, Salem, Dayton, Ohio. Pocket piece. 2,508,535, May 23.
Peters, Theodore J., Jr.: *See*—
Schneider, Helmuth G., Van Gilder, and Peters.
Van Gilder, Carll, and Peters.
Peters, Vladimir, Lakewood, assignor to The Lincoln Electric Company, Cleveland, Ohio. Method of and apparatus for arc welding. 2,529,812, Nov. 14.
Peters, William D.: *See*—
Adams, Cecil E., and Peters.
Petersen, Anker, South Boston, Mass., assignor to Petersen Braiding Machine Company. Magnetic drive for textile machines. 2,506,315, May 2.
Petersen, Axel C. G.: *See*—
Kolb, Otto K., and Petersen.
Petersen, Benton C., Salina, Kans. Artjopat designing board. 2,529,413, Nov. 7.
Petersen Braiding Machine Company, assignee: *See*—
Petersen, Anker.
Petersen, Hans E., assignor to Continental Machines, Inc., Minneapolis, Minn. Automatic hydraulic brake for band saws. 2,500,321, Mar. 14.
Petersen, Hans P., Chicago, Ill., assignor to International Harvester Company. Doffer for cotton picker spindles. 2,532,073, Nov. 28.
Petersen, Jack W.: *See*—
Johnson, William S., Petersen, and Gutsche.
Petersen, Ludvig, La Grange, Ill., assignor to General Motors Corporation, Detroit, Mich. Torsional vibration pickup. 2,532,781, Dec. 5.
Petersen Oven Company, The, assignee: *See*—
Mueller, William L., Rundquist, and Skarin.
Petersen Show Case & Fixture Company, assignee: *See*—
Hussong, Robert G.
Petersen, Svend, Askov, Minn. Label holder for milk cans. 2,522,398, Sept. 12.
Petersen, Werner H., San Diego, Calif. Feathering reversible propeller. 2,532,371, Dec. 5.
Petersen, Wilhelm H., assignor to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Balance relay. 2,494,308, Jan. 10.
Petersén, Wilhelm H., assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Machine for washing clothes. 2,530,028, Nov. 14.
Petersen, William L., West New York, N. J., assignor to Clarke Sanding Machine Company, Muskegon, Mich. Sanding machine. 2,497,791, Feb. 14.
Peterson, Adolphe C., Minneapolis, Minn. Combustion gas turbine. 2,508,685, May 23.
Peterson, Adolphe C., Edina, Minn. Fuel metering distribution, and control means. 2,522,890, Sept. 19.
Peterson, Adolphe C., Minneapolis, Minn. Heat transfer means for heating and cooling. 2,527,845, Oct. 31.
Peterson, Albert C., Park Ridge, assignor to Union Special Machine Company, Chicago, Ill. Worktable supporting structure. 2,496,230, Jan. 31.
Peterson, Albert K., and H. C. Hubbard, Rockford, Ill. Rotary line drier. 2,519,396, Aug. 22.
Peterson, Albin K., and H. Wentworth, Redondo Beach, assignors to Longren Aircraft Company, Torrance, Calif. Chair tray. 2,531,080, Nov. 21.

Peterson, Alfred J. A., Pittsburgh, and J. M. Cumming, Turtle Creek, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,516,018, July 18.

Peterson, Alfred J. A., Wilkinsburg, and J. D. Gard, Irwin, assignors to Westinghouse Electric Corporation. Distribution apparatus. 2,525,499, Oct. 10.

Peterson, Anton U., Chicago, Ill. Portable shelf. 2,502,746, Apr. 4.

Peterson, Arthur M., deceased, Perry, Iowa; O. Peterson, administratrix. Fishing appliance. 2,518,634, Aug. 15.

Peterson, Berger A., Milton, Mass. Awning frame. 2,511,294, June 13.

Peterson, Bertil G.: *See*—
Syverud, Annar F., and Peterson.

Peterson, Burt A., assignor to Barber-Colman Company, Rockford, Ill. Machine for transfer of wound bobbins to bobbin holders from winding machines. 2,505,427, Apr. 25.

Peterson, Burt A., assignor to Barber-Colman Company, Rockford, Ill. Bobbin replenishing mechanism for looms. 2,510,348, June 6.

Peterson, C. Lynn, assignor to Peterson Filters and Engineering Co., Salt Lake City, Utah. Filtering method and apparatus. 2,499,412, Mar. 7.

Peterson, C. Lynn, assignor to Peterson Filters and Engineering Co., Salt Lake City, Utah. Method and apparatus for treating liquids under vacuum. 2,520,957, Sept. 5.

Peterson, Carl D., and A. H. Deimel, assignors to Dana Corporation, Toledo, Ohio. Transmission mechanism. 2,519,279, Aug. 15.

Peterson, Carl G., Cranston, R. I. Stamping machine. 2,527,448, Oct. 24.

Peterson, Charles F., New York, N. Y. Electric heater. 2,495,419, Jan. 24.

Peterson, Clyde A., Lewisburg, Pa., assignor, by mesne assignments, to Westinghouse Electric Corporation. Radio cabinet. 2,501,689, Mar. 28.

Peterson, Dana, Newton, Mass. Valved paste ejector. 2,532,782, Dec. 5.

Peterson, Dorothy B., Seattle, Wash. Device for curling hair for permanent waves. 2,496,066, Jan. 31.

Peterson, Earl K., Valley City, N. Dak. Truck. 2,495,943, Jan. 31.

Peterson, Edgar M., assignor to Crane Co., Chicago, Ill. Gauge for oil burners. 2,498,823, Feb. 28.

Peterson, Edward S., Elmwood Park, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Radio tuning control. 2,494,486, Jan. 10.

Peterson, Edward S., Elmwood Park, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Reeling system. 2,496,890, Feb. 7.

Peterson, Edward S., Elmwood Park, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Signal unit for telephone conversation recorders. 2,530,075, Nov. 14.

Peterson, Edward S., Elmwood Park, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Time announcing system. 2,530,076, Nov. 14.

Peterson, Edward T., Reading, Pa. Approach table for transfer of metallic stock. 2,498,448, Feb. 21.

Peterson, Edward T., Reading, Pa. Double approach table for transfer of metallic stock. 2,498,449, Feb. 21.

Peterson, Edward T., Reading, Pa. Bar mill. 2,528,075, Oct. 31.

Peterson, Edwin F., Kewanee, Ill. Machine vibrator. 2,518,250, Aug. 8.

Peterson, Edwin F., Kewanee, Ill. Vibration producing means. 2,528,319, Oct. 31.

Peterson, Edwin F., Kewanee, Ill. Machine vibrator. 2,535,596, Dec. 26.

Peterson, Edwin P., Brooklyn, and O. P. Muller, assignors to National Lead Company, New York, N. Y. Paint, varnish, and lacquer remover. 2,531,825, Nov. 28.

Peterson, Edwin T., Des Moines, Iowa. Display sign. 2,496,747, Feb. 7.

Peterson, Elbert A.: *See*—
Ballard, Seaver A., Finch, and Peterson.
Finch, Harry D., and Peterson.

Peterson, Eleanor A.: *See*—
Woods, Eleanor L.

Peterson, Eric O.: *See*—
Harvey, Bernard A., and Peterson.

Peterson, Eugene: *See*—
Kreer, John G., Jr., and Peterson.

Peterson, Eugene, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Correction of errors in pulse code communication. 2,516,587, July 25.

Peterson, Eugene, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Synchronization of pulse transmission systems. 2,527,649, Oct. 31.

Peterson, Eugene, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Synchronization of pulse transmission systems. 2,527,650, Oct. 31.

Peterson Filters and Engineering Co., assignee: *See*—
Peterson, C. Lynn.

Peterson, Francis A., Newport, R. I. Corn butterer. 2,527,149, Oct. 24.

Peterson, George N.: *See*—
Kronoff, Clarence R., and Peterson.

Peterson, George N., Grafton, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Thread control for weft replenishing looms. 2,510,603, June 6.

Peterson, George N., Grafton, assignor to Crompton & Knowles Loom Works, Worchester, Mass. Pneumatic thread remover for looms. 2,526,269, Oct. 17.

Peterson, George S., Sturgeon Bay, Wis. Melon plugger and apple corer. 2,503,064, Apr. 4.

Peterson, George S., Sturgeon Bay, Wis. Apple corer and cutter. 2,519,500, Aug. 22.

Peterson, Glen, Tulsa, Okla., assignor to Phillips Petroleum Company. Modulator circuit. 2,494,830, Jan. 17.

Peterson, Glen, and M. Ercolino, Asbury Park, N. J., assignors to the United States of America as represented by the Secretary of war. Radio beacon system. 2,528,543, Nov. 7.

Peterson, Gordon T.: *See*—
Clifcorn, La Verne E., Peterson, and Boyd.

Peterson, Gustav A., Stamford, assignor to Electrolux Corporation, Old Greenwich, Conn. Pipe joint. 2,496,813, Feb. 7.

Peterson, Hans P., Manchester, assignor to The Bush Manufacturing Company, Hartford, Conn. Defrosting system. 2,505,201, Apr. 25.

Peterson, Harold M., Peoria Heights, assignor to L. L. Smith, Peoria, Ill. Opposed louver ventilator. 2,509,016, May 23.

Peterson Harold O.: *See*—
Schock, Robert E., Atwood, Peterson and Hansell.

Peterson, Harold O., Riverhead, N. Y., assignor to Radio Corporation of America. Threshold bias adjustment device. 2,504,348, Apr. 18.

Peterson, Harold O., Riverhead, N. Y., assignor to Radio Corporation of America. Automatic tuning control apparatus. 2,507,735, May 16.

Peterson, Harold O., Riverhead, N. Y., assignor to Radio Corporation of America. Multiplex pulse communication system. 2,508,620, May 23.

Peterson, Harold O., Riverhead, N. Y., assignor to Radio Corporation of America. Diversity reception. 2,514,162, July 4.

Peterson, Harold O., Riverhead, N. Y., assignor to Radio Corporation of America. Diversity receiver. 2,515,055, July 11.

Peterson, Harold O., and R. E. Schock, Riverhead, N. Y., assignors to Radio Corporation of America. Diversity receiver. 2,494,309, Jan. 10.

Peterson, Harold O., and B. Trevor, Riverhead, N. Y., assignors to Radio Corporation of America. Communication system for ultrashort radio waves. 2,497,958, Feb. 21.

Peterson, Harold S., and H. A. Anderson, Eau Claire, Wis., assignors to United States Rubber Company, New York, N. Y. Curing bag splicing machine. 2,510,715, June 6.

Peterson, Harold W., Jr., Fairborn, Ohio. Time and distance computer. 2,523,589, Sept. 26.

Peterson, Harry H., assignee: *See*—
Frisk, Joseph.

Peterson, Henry: *See*—
Strain, Daniel E., and Peterson.

Peterson, Henry, and F. R. Gardner, New York, N. Y., said Gardner assignor to said Peterson. Finger ring combination. 2,507,348, May 9.

Peterson, Howard B., San Francisco, Calif., assignor to American Can Company, New York, N. Y. Reforming machine. 2,505,004, Apr. 25.

Peterson, Howard B., San Francisco, Calif., assignor to American Can Company, New York, N. Y. Reforming machine. 2,513,358, July 4.

Peterson, Howard B., San Francisco, and R. E. Renard, San Jose, Calif., assignors to American Can Company, New York, N. Y. Container vacuumizing and closing machine. 2,513,357, July 4.

Peterson, Jack W., Pocatello, assignor of seventeen and one-half per cent to Elmer N. Jacobs, seventeen and one-half per cent to K. Medford, Filer, Idaho, and twenty per cent to J. W. Peterson, Jr. Folding flag and staff therefor. 2,499,874, Mar. 7.

Peterson, Jack W., Jr.: *See*—
Peterson, Jack W., Jacobs, Medford, and Peterson.

Peterson, Joel D., Ridgewood, assignor to Bendix Aviation Corporation, Teterboro, N. J. Damped servo system. 2,493,593, Jan. 3.

Peterson, Joel D., Ridgewood, assignor to Bendix Aviation Corporation, Teterboro, N. J. Altitude corrected landing system for aircraft. 2,532,936, Dec. 5.

Peterson, John B., deceased, Bethesda, Md.; R. L. Peterson, administratrix. Gyroscopic sextant. 2,533,686, Dec. 12.

Peterson, John D., Bolton, N. C. Liquid fuel burner. 2,512,964, June 27.

Peterson, John W., Canton, S. Dak. Transportation truck. 2,528,908, Nov. 7.

Peterson, John W., Alexandria, Minn. Sanitary chicken nest. 2,531,584, Nov. 28.

Peterson, Julius: *See* –
Oerman, Orey W., and Peterson.

Peterson, Kenneth, Manhattan, Kans., assignor of three-fourths to A. Lehto, Cudahy, Wis. Magneto-mechanical movement. 2,518,635, Aug. 15.

Peterson, Leonard C., Sioux Falls, S. Dak. Flashlight holding device. 2,524,173, Oct. 3.

Peterson, Lester E., Grantsburg, Wis. Mechanical barn cleaner. 2,516,798, July 25.
Peterson, Liss C.: *See*—
Barney, Harold L., Peterson, Potter, and Sears.
Peterson, Merlin D.: *See*—
Brubaker, Merlin M., Roland, and Peterson.
Peterson, Milton M., assignor to Corning Glass Works, Corning, N. Y. Coloring glass. 2,498,003, Feb. 21.
Peterson, Nils V., assignor to Telefonaktiebolaget L M Ericsson, Stockholm, Sweden. Single side band modulator. 2,499,279, Feb. 28.
Peterson, Olive, administratrix: *See*—
Peterson, Arthur M.
Peterson, Orwin W., Denver, Colo. Ventilator for chimney stacks and the like. 2,515,467, July 18.
Peterson, Oscar R., Longview, Tex., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Self-powered scraper. 2,505,202, Apr. 25.
Peterson Oven Company, The, assignee: *See*—
Eyster, Floyd E.
Peterson, Rasmus R., Springville, N. Y. Collapsible roundabout. 2,525,458, Oct. 10.
Peterson, Regnal D.: *See*—
Schlaugh, Otto, and Peterson.
Peterson, Robert A., D. F. Heckle, and J. E. Clarke, assignors to Magnaflux Corporation, Chicago, Ill. Pipe welding and magnetic testing apparatus. 2,495,544, Jan. 24.
Peterson, Robert A., D. F. Heckle, and J. E. Clarke, assignors to Magnaflux Corporation, Chicago, Ill. Magnetic particle inspection apparatus and method. 2,495,545, Jan. 24.
Peterson, Robert F., Philadelphia, Pa., assignor to the United States of America as represented by the Secretary of Agriculture. Production of casein yarn. 2,512,674, June 27.
Peterson, Robert F., Philadelphia, Pa., and R. W. Jackson, Peoria, Ill., assignors to the United States of America as represented by the Secretary of Agriculture. Making casein fibers for felting. 2,525,825, Oct. 17.
Peterson, Roy E., assignor, by mesne assignments, to The E. H. Hotchkiss Company, Norwalk, Conn. Staple driving machine. 2,493,640, Jan. 3.
Peterson, Roy E., assignor to The E. H. Hotchkiss Company, Norwalk, Conn. Staple driving machine. 2,511,003, June 13.
Peterson, Ruben O., University Heights, assignor to The Osborn Manufacturing Company, Cleveland, Ohio. Brush material and brushes made therefrom. 2,511,004, June 13.
Peterson, Ruben O., University Heights, assignor to The Osborn Manufacturing Company, Cleveland, Ohio. Insulation stripping mechanism. 2,526,769, Oct. 24.
Peterson, Rudolph E., and J. Boyd, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Reduction gear drive. 2,498,295, Feb. 21.
Peterson, Russell F., assignee: *See*—
Quillen, Clarence A.
Peterson, Russell G., and G. R. Brieger, assignors to Balfour-Guthrie & Company Limited, Tacoma, Wash. Protein base glues. 2,530,780, Nov. 21.
Peterson, Ruth L., administratrix: *See*—
Peterson, John B.
Peterson, Theodore P., assignor to Hegvold Woodcraft Co. Inc., Mitchell, S. Dak. Hog watering device. 2,534,475, Dec. 19.
Peterson, Vanda S., Chicago, Ill. Infant's sleeping garment. 2,522,297, Sept. 12.
Peterson, Vernon S.: *See*—
Collins, Edgar V., and Peterson.
Peterson, Victor W., and O. J. Maha, Chicago, Ill., assignors to Hannifin Corporation. Packing. 2,495,660, Jan. 24.
Peterson, Victor W., and O. J. Maha, Chicago, Ill., assignors to Hannifin Corporation. Gasket seal. 2,528,665, Nov. 7.
Peterson, Vincent C.: *See*—
Harper, Philip S., Lamar, and Peterson.
Peterson, Walter A., King, Wis. Rapid calculator for use with carptenter's square. 2,519,699, Aug. 22.
Peterson, Wilbur P., Independence, assignor to Northeast Tool and Die Works, Inc., Kansas City, Mo. Operating mechanism for plungers of caulking guns. 2,530,359, Nov. 14.
Peterson, Willard D., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Photographic diazo-sensitized glassine paper. 2,501,874, Mar. 28.
Peterson, Willard S., Astoria, N. Y. Snap fit interlocking checker. 2,534,055, Dec. 12.
Peterson, William B., Jr., San Francisco, and G. G. Koeberle, San Jose, assignors to Pacific Can Campany, San Francisco, Calif. Can-closing machine. 2,521,306, Sept. 5.
Peterson, William H.: *See*—
Jones, Basil E., and Peterson.
Peterson, William H., Chicago, and B. E. Jones, Flossmoor, Ill. Purse light. 2,534,179, Dec. 12.
Peterson, William R., Oswego, assignor to St. Regis Paper Company, New York, N. Y. Bag support for filling machines. 2,500,768, Mar. 14.
Peterson, William R., Oswego, assignor to St. Regis Paper Company, New York, N. Y. Gate arrangement for controlling the passage of material into bags. 2,500,769, Mar. 14.
Pethes, Theodore J., Elmwood Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Power transmitting mechanism. 2,501,613, Mar. 21.
Petit, Laurence A., Chicago, Ill. Carbon pack holder for manifold typewriters. 2,508,536, May 23.
Petit, Laurence A., Chicago, Ill. Carbon pack for manifold typewriters. 2,508,621, May 23.
Petit, Rene M., Woonsocket, R. I. Centrifugal drier for use in conditioning pads, swatches, or other fabric samples without heat. 2,515,056, July 11.
Petit, Stephen B., Bayonne, N. J., assignor to Hooven Letters Inc., New York, N. Y. Power-actuated typewriter. 2,521,478, Sept. 5.
Petit, William H., Pasadena, assignor to Clary Multiplier Corporation, Los Angeles, Calif. Fountain pen. 2,511,369, June 13.
Petitcolas, Pierre, Paris, and R. F. M. Sureau, Mont Saint-Aignan, assignors to Societe Anonyme de Matieres Colorantes et Produits Chimiques Francolor, Paris, France. Textile printing paste comprising a diazoamino compound and a substituted benzothiazole. 2,500,093, Mar. 7.
Petitcolas, Pierre, and J. Frenkiel, Rouen, assignors to Societe Anonyme de Matieres Colorantes et Produits Chimiques Francolor, Paris, France. Diazoaminated dyestuffs. 2,522,838, Sept. 19.
Petitjean, Jean, Paris, assignor to Societe Chimique et Routiere de la Gironde, Bordeau, France. Coated mineral aggregate and making same. 2,498,862, Feb. 28.
Petiton, André C., St. Just-les-Marais, assignor, by mesne assignments, to Societe Novacel, Paris, France. Making sponge-forming compositions. 2,495,237, Jan. 24.
Petrak, Lawrence B., Ellwood City, Pa. Limit switch with pendulum arrester. 2,533,040, Dec. 5.
Petras, Nandor, Jackson Heights, N. Y. Rotary valve internal-combustion engine. 2,528,970, Nov. 7.
Petre, John R.: *See*—
Brenner, Robert W., and Petre.
Petri, Henry L., Detroit, Mich., assignor to United-Carr Fastener Corporation, Cambridge, Mass. Snap-in fastener for channeled members. 2,511,808, June 13.
Petrick, Harry E., and J. L. Johnson, Cheney, Wash. Outlet box wall and cable clamp. 2,531,698, Nov. 28.
Petrie, Eugene C.: *See*—
Dopp, Carl A., and Petrie.
Petrie, Eugene C., Elmhurst, and J. Trefil, Berwyn, assignors to Crane Co., Chicago, Ill. Automatic valve actuating control system. 2,530,722, Nov. 21.
Petrocarbon Limited, assignee: *See*—
Chandley, Edwin F., Steiner, and Zimkin.
Ruhemann, Martin.
Petro-Chem Process Company, Incorporated, assignee: *See*—
Throckmorton, John W.
Throckmorton, John W., and Wallis.
Petrolite Corporation, assignee: *See*—
Wirtel, Arthur F., and Blair, Jr.
Petrolite Corporation, Ltd., assignee: *See*—
Blair, Charles M., Jr., and Gross.
De Groote, Melvin, and Keiser.
De Groote, Melvin, and Pettingill.
Keiser, Bernhard, and De Groote.
Suthard, James G., and Robinson.
Turner, Delber W.
Waterman, Logan C., and Hanson.
Wirtel, Arthur F.
Petronio, Marco, Philadelphia, Pa. Sealing composition for optical assemblies. 2,524,076, Oct. 3.
Petruschell, Lucius P., Mount Dora, Fla., assignor to Dictaphone Corporation, New York, N. Y. Electric phonograph with separate stylus for recording and reproducing. 2,534,368, Dec. 19.
Petry, Ray C., assignor of one-half to E. L. Whiteing, Westside, Iowa. Lining railroad curves. 2,531,461, Nov. 28.
Petschauer, Johann, assignor to Maschinenfabrik Heid Aktiengesellschaft, Vienna, Austria. Electric tracer control device for machine tools. 2,523,918, Sept. 26.
Petsche, Joseph D., Cleveland, Ohio. Nut lock for collet tubes. 2,493,926, Jan. 10.
Petskeyes, Charles H., assignor to A. G. Bush, and O. F. Rohwedder, Davenport, Iowa. Bread cubing machine. 2,520,853, Aug. 29.
Petskeyes, Charles H., Davenport, Iowa, assignor to Gellman Manufacturing Company, Rock Island, Ill. Rotary hook mechanism of sewing machines. 2,523,230, Sept. 19.
Pettengill, Gilbert S., Ridley Park, Pa. Paintbrush. 2,532,780, Dec. 5.
Pettersson, Henry L., Sundsvall, and S. I. Selånger, Ornskoldsvik, Sweden. Making skis. 2,500,564, Mar. 14.
Pettibone, Bradley J.: *See*—
Pressing, Robert W., and Pettibone.
Pettibone, George H., Scotia, and J. L. Bower, Schenectady, N. Y., assignors to General Electric Company. Dual frequency electric control circuit. 2,512,377, June 20.
Pettibone Mulliken Corporation, assignee: *See*—
Clay, Murray G.
Petticrew, Richard, Dearborn, Mich. Pedestal type air conditioning unit. 2,498,342, Feb. 21.

Pettigrew, Wilbur H., Hobart, Ind., assignor to Carnegie-Illinois Steel Corporation. Controlling dust in sintering operations. 2,498,766, Feb. 28.

Pettinhill, Owen H.: *See*—
De Groote, Melvin, and Pettingill.

Pettit, Conrad V., Miami, Fla. Jalousie slat pivot. 2,513,250, June 27.

Pettit, Doyt L., Rock River, Wyo. Sight tube for lamps. 2,521,251, Sept. 5.

Pettit, John H., Bronx, N. Y. Vertically adjustable table. 2,531,233, Nov. 21.

Pettit, Ward H., Schenectady, N. Y., assignor to General Electric Company. Coil retaining means. 2,513,965, July 4.

Pettus, James L.: *See*—
Sachtleben, Lawrence T., and Pettus.

Pettus, James L., North Hollywood, Calif., and S. E. Bartelson, Ashland, N. J., assignors to Radio Corporation of America. Multiple unit optical system for sound reproduction. 2,508,888, May 23.

Pettus, Joseph N.: *See*—
Faulkner, Harry R., and Pettus, and Bradshaw.

Petty, Daniel H.: *See*—
Webster, Ronald, and Petty.

Petty, Daniel H., Skokie, assignor to The Hydro-Blast Corporation, Chicago, Ill. Apparatus for eliminating dust and fumes. 2,498,469, Feb. 21.

Petty, Genevieve, Denver, Colo. Inking device for laundry marking machines. 2,529,225, Nov. 7.

Petty, George E., West Leys, Swanland, England, assignor to Blackburn and General Aircraft Limited. Retractable arrester gear for aircraft. 2,505,064, Apr. 25.

Petty, Milton A., Pearl River, assignor to American Cyanamid Company, New York, N. Y. Animal nutrition. 2,515,135, July 11.

Petty, Olive S., assignee: *See*—
Hasbrook, Arthur F.
Mayne, William H.
Parr, Josephus O., Jr.

Petty, William S., Denver, Colo. Type wheel locking means in laundry marking machines. 2,529,226, Nov. 7.

Petty, Zach A., Beckley, W. Va. Dual accelerator. 2,512,838, June 27.

Petz, John L.: *See*—
Dodge, Ronald D., and Petz.

Petz, John L., Poughkeepsie, assignor to International Business Machines Corporation, New York, N. Y. Power regulating means for typewriters. 2,528,450, Oct. 31.

Petz, John L., Poughkeepsie, and C. G. Balliett, Rochester, assignors to International Business Machines Corporation, New York, N. Y. Speed responsive switch. 2,493,897, Jan. 10.

Petzinger, Ambrose J., Fair Lawn, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Phase sequence device. 2,513,890, July 4.

Petzinger, Ambrose J., Fair Lawn, and B. E. Lenehan, Bloomfield, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Volt-ampere responsive device. 2,513,891, July 4.

Petzinger, Ambrose J., Fair Lawn, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Device and method for measuring weighted sum of real and reactive electrical power. 2,521,869, Sept. 12.

Petzinger, Ambrose J., Fair Lawn, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Scale-distribution control for measuring devices. 2,534,925, Dec. 19.

Pewitt, Bernard B., Oak Ridge, Tenn. Pleasure railway. 2,498,450, Feb. 21.

Pewitt, Bernard B., Chattanooga, Tenn. Vertical and horizontal axes roundabout. 2,535,862, Dec. 26.

Peyches, Ivan, assignor to Societe Anonyme des Manufacturers des Glaces et Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France. Method and apparatus for the production of fibers, in particular glass fibers. 2,497,369, Feb. 14.

Peyrebrune, Henri E., River Forest, assignor, by mesne assignments, to The Miehle Printing Press & Manufacturing Company, Chicago, Ill. Controlling the height of a pile of delivered sheets. 2,525,311, Oct. 10.

Peyrebrune, Henri E., River Forest, and H. T. James, assignors, by mesne assignments, to Miehle Printing Press & Manufacturing Company, Chicago, Ill. Ink fountain structure. 2,514,556, July 11.

Pezzaglia, Philip: *See*—
Ross, William E., and Pezzaglia.

Pezzano, Joseph, Mariners Harbor, N. Y. Suspension for driven wheels. 2,504,725, Apr. 18.

Pezzano, Joseph, Staten Island, N. Y. Hollow block building construction. 2,512,550, June 20.

Pezzillo, Albert R., Jr., Philadelphia, Pa. Motor pump unit. 2,535,695, Dec. 26.

Pfaff, Henry C., Jr., East Orange, N. J. Sign head. 2,519,928, Aug. 22.

Pfaff, Henry C., Jr., East Orange, N. J. Aligning coupler. 2,523,919, Sept. 26.

Pfaff, Wesley, Endicott, C. D. Lake, Binghamton, and M. Fiehl, Endicott, assignors to International Business Machines Corporation, New York, N. Y. Interlocking relay structure. 2,510,604, June 6.

Pfahler, Herbert W.: *See*—
Sherman, Albert, and Gottlieb.

Pfau, Julius H., assignor to Alexander Smith & Sons Carpet Company, Yonkers, N. Y. Crimping apparatus. 2,514,557, July 11.

Pfau, Julius H., assignor to Alexander Smith & Sons Carpet Company, Yonkers, N. Y. Axminster needle drive mechanism. 2,524,734, Oct. 3.

Pfau, Julius H., assignor to Alexander Smith & Sons Carpet Company, Yonkers, N. Y. Axminster needle drive mechanism. 2,524,735, Oct. 3.

Pfaudler Co., The, assignee: *See*—
McCann, Sidney W.

Pfauser, Edward M.: *See*—
Mandl, Siegmund, and Pfauser.

Pfauser, Edward M., Elm Grove, assignor to Blackhawk Mfg. Co., Milwaukee, Wis. Pneumatic-hydraulic pressure converter. 2,499,968, Mar. 7.

Pfauser, Edward M., Elm Grove, and S. Mandl, Wauwatosa, assignors to Blackhawk Mfg. Co., Milwaukee, Wis. Adjustable tool handle. 2,520,652, Aug. 29.

Pfauser, Edward M., Elm Grove, and S. Mandl, assignors to Blackhawk Mfg. Co., Milwaukee, Wis. Hydraulic control valve assembly. 2,526,406, Oct. 17.

Pfeffer, Edward C., Jr., Troy, assignor to Continental Can Company, Inc., New York, N. Y. Preparing stable vinyl coatings on metal surfaces. 2,529,414, Nov. 7.

Pfeffer, Edward C., Jr., and J. J. Gannon, Troy, and J. J. Fiscella, Menands, assignors to Cluett, Peabody and Company, Inc., Troy, N. Y. Twisting and winding of textile fibers. 2,518,491, Aug. 15.

Pfeffer, Edward C., Jr., and J. Epelberg, assignors to Cluett, Peabody & Co., Inc., Troy, N. Y. Stabilization of regenerated cellulose. 2,530,175, Nov. 14.

Pfeffer, Herman F., Philadelphia, and C. W. Wagenhals, Glenside, Pa., assignors, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Resistor. 2,520,509, Aug. 29.

Pfeiffer, Frank F., assignor to The Reynolds & Reynolds Company, Dayton, Ohio. Control board. 2,511,370, June 13.

Pfeiffer, Frank F., D. H. Lansing, and R. B. Smith, assignors to The Reynolds & Reynolds Company, Dayton, Ohio. Apparatus for one-time posting systems. 2,494,142, Jan. 10.

Pfeiffer, Henry, Fredericksburg, Tex. Plier tube bender. 2,499,160, Feb. 28.

Pfeiffer, John J., Montebello, Calif. Disappearing lawn sprinkler. 2,513,047, June 27.

Pfeiffer, Paul O., assignor to The General Tire and Rubber Company, Akron, Ohio. Tire repair vulcanizing apparatus. 2,501,577, Mar. 21.

Pfeiffer, Sarah S., Auburndale, Mass. Page protector and marker. 2,510,053, June 6.

Pfeiffer, Wilbur H., assignor to General Motors Corporation, Dayton, Ohio. Enameling. 2,532,640, Dec. 5.

Pfeil, Ernest W., Milwaukee, Wis. Portable hat holder. 2,494,487, Jan. 10.

Pfeil, Ernest W., Milwaukee, Wis. Hat holder. 2,494,488, Jan. 10.

Pfeil, Ernest W., Milwaukee, Wis. Hat holder. 2,503,840, Apr. 11.

Pfenninger, Hans: *See*—
Giger, Walter, Schroeder, and Pfenninger.

Pfenninger, Hans, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Internal-combustion turbine plant. 2,496,407, Feb. 7.

Pfenninger, Hans, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Arrangement for the utilization of turbine exhaust gases in steam generators and air preheaters. 2,499,108, Feb. 28.

Pfenninger, Hans, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Blower for compressed combustible gases. 2,532,035, Nov. 28.

Pfister, Jacob: *See*—
Hasler, Albert A., and Pfister.

Pfister, Karl, III: *See*—
Wolf, Frank J., and Pfister, III.

Pfister, Karl, III, Westfield, assignor to Merck & Co., Inc., Rahway, N. J. Separating isomers of amidone intermediates. 2,497,739, Feb. 14.

Pfister, Karl, III, and M. Tishler, Westfield, assignors to Merck & Co., Inc., Rahway, N. J. Production of N-acyl allothreonine esters. 2,530,627, Nov. 21.

Pfizer, Chas., & Co., Inc., assignee: *See*—
Carboni, Rudolph A., and Regna.
Sobin, Ben A., Finlay, and Kane.
Taylor, Roy J.
Van Dolah, Robert W., Christenson and Shelton.

Pflaum, William J., Pittsburgh, Pa. Renewable cartridge fuse. 2,521,600, Sept. 5.

Pfleger, Kenneth W., Arlington, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Carrier telegraph receiving circuit. 2,522,130, Sept. 12.

Pfleger, Kenneth W., Arlington, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Correction of distortion in telegraph signals. 2,523,717, Sept. 26.

Pfleumer, Hans: *See*—
Cooper, Lester, and Pfleumer.

Pflug, Melville M.: *See*—
Bateman, Ralph C., and Pflug.

Pfund, August H., Baltimore, Md., assignor to the United States of America as represented by the Secretary of War. Water-resistant compound lens transparent to infrared. 2,512,257, June 20.

Phaff, Herman J.: *See*—
Mrak, Emil M., Phaff, Whelton, and Fisher.
Phalen, Lee C., La Due, Mo. Holder for fishing poles and rods. 2,530,265, Nov. 14.
Phares, James R., Arcadia, assignor to C. F. Braun & Co., Alhambra, Calif. Leak tester for heat exchangers. 2,517,921, Aug. 8.
Phares, Thomas E., Shelbyville, Ind., assignor to Chambers Corporation. Rack for toasting bread. 2,531,462, Nov. 28.
Pharma Chemical Corporation, assignee: *See*—
Cukier, Michel F.
Pharo, Gordon C., Traverse City, Mich. Spray pump. 2,515,568, July 18.
Pharo, William E., Maplewood, N. J. Collapsible beach fisherman's chair. 2,493,084, Jan. 3.
Phelan, Hubert A., Berkley, assignor to Chrysler Corporation, Highland Park, Mich. Gearing for driving coaxial shafts. 2,498,767, Feb. 28.
Phelan, Hubert S., Berkley, assignor to Chrysler Corporation, Highland Park, Mich. Control apparatus. 2,529,415, Nov. 7.
Phelan, Lawrence T., Berwyn, Pa. Modulated oscillator. 2,514,087, July 4.
Phelan, Louis A. M., Beloit, Wis. Freezing, hardening, and dispensing cabinet and containers therefor. 2,517,234, Aug. 1.
Phelon, Russell E., West Springfield, Mass. Ignition breaker contact device. 2,519,976, Aug. 22.
Phelps, Arthur F.: *See*—
Kaylor, James W., Phelps, Jones and Holm.
Phelps, Byron E., Wappingers Falls, assignor to International Business Machines Corporation, New York, N. Y. Descending counter. 2,500,294, Mar. 14.
Phelps, Byron E., Endicott, assignor to International Business Machines Corporation, New York, N. Y. Oscillation generator for noisemaking devices. 2,521,405, Sept. 5.
Phelps Dodge Copper Products Corporation, assignee: *See*—
Merrell, Edwin J.
Phelps, Donald, Chicago, Ill. Shipping container and transporting vehicles. 2,521,088, Sept. 5.
Phelps, George H., Floral Park, assignor to Metropolitan Engineering Company, Brooklyn, N. Y. Electrical winding. 2,497,516, Feb. 14.
Phelps, George N., Lancaster, Pa., assignor to Radio Corporation of America. Base member for electron discharge tubes. 2,498,378, Feb. 21.
Phelps, George N., Lancaster, Pa., assignor to Radio Corporation of America. Second anode contact for cathode-ray tubes. 2,499,834, Mar. 7.
Phelps, James C.: *See*—
Shenk, Eugene R., and Phelps.
Phelps, James E., Erie, Kans. Pitcher cooler. 2,517,922, Aug. 8.
Phelps, Ross W., Orilla, Ontario, Canada. Pressure responsive actuator. 2,503,594, Apr. 11.
Phelps, Ross W., Orillia, Ontario, Canada. Bushing for wagons. 2,526,155, Oct. 17.
Phelps, Ross W., Orillia, Ontario, Canada. Wagon axle and reach connection construction. 2,532,675, Dec. 5.
Phelps, Theodore A.: *See*—
Clasen, Arthur C., Millgard, and Phelps.
Phelps, William H., Ralston, Nebr. Guard for power mowing machines. 2,511,124, June 13.
Phelps, William H., Ralston, Nebr. Two-cycle rotary valve internal-combustion engine. 2,531,699, Nov. 28.
Phelps, Willie G., Long Beach, Calif. Tire pressure switch. 2,494,831, Jan. 17.
Pheneger, Paul W.: *See*—
Holmquist, John L., and Pheneger.
Philadelphia Valve Company, assignee: *See*—
Jensen, James A.
Philbeck Corporation, assignee: *See*—
Weidaner, Curtis W.
Philbrick, George A., Cambridge, assignor to The Foxboro Company, Foxboro, Mass. Process and control analyzer. 2,503,213, Apr. 4.
Philbrick, Robert S., Bound Brook, assignor to Sier-Bath Gear and Pump Co., Inc., North Bergen, N. J. Flexible coupling for shafts. 2,510,414, June 6.
Philco Corporation, assignee: *See*—
Alter, Albert R.
Ames, Millard E., Jr.
Barnett, Guy F.
Bingley, Frank J.
Bingley, Frank J., and Smith.
Blayney, James L.
Bocciarelli, Carlo V.
Boothroyd, Wilson P.
Bradley, William E.
Bramley, Arthur, and Swanson.
Buffington, Alan P.
Burgett, Monte I.
Charland, Albert H.
Clapp, Richard G.
Clapp, Richard G., and Bradley.
Curtiss, George E., Jr.
Dolberg, Charles E.
Eland, Robert C. A.
Fisher, Joseph F.
Forster, William H.
Frear, William.
Philco Corporation, assignee: *See*—Continued.
Geoghegan, John J.
Harman, Emil I.
Hart, Edward L.
Hayward, John W.
Heilig, Charles E., Jr.
Hume, William C.
Just, George A.
Kennedy, Gilbert J.
Laschenski, Joseph E.
Lingenbrink, Hermann E. F. C.
Mankin, Arthur H., and Sunstein.
Matthews, Alfred C.
Montgomery, Andrew P.
Moore, Robert C.
Moulton, Stephen W.
Peltier, Frank D.
Peltier, Frank D., and Terry.
Radman, Frederick E.
Riebman, Leon.
Rodgers, Lionel M.
Rundell, Theodore W.
Scofield, Donald W.
Shoemaker, Malcolm G.
Skellett, Albert M.
Smith, David B.
Smith, David B., Clapp, Montgomery, Emerson, and Hoffman.
Sorber, Thomas A.
Spiegel, Herman B.
Spielman, Sterling C.
Stephan, Ingo L.
Stephan, Ingo L., and Evers.
Stewart, William A.
Sunstein, David E.
Sunstein, David E., and Johnson.
Sunstein, David E., and Mankin.
Tellier, Joseph C.
Tellier, Joseph C., and Wilson, Jr.
Thompson, Elmer O.
Thompson, Milton L.
Tiley, John W.
Tompkins, Howard E.
Tompkins, Howard E., and Bradley.
Zearfoss, Elmer W., Jr.
Zindel, George, Jr.
Philip, Morris, New York, N. Y. Attachment for crocheting machines. 2,506,432, May 2.
Philip, Thomas B., Effingham, England, assignor to The Distillers Company Limited, Edinburgh, Scotland. Reciprocating pump. 2,500,497, Mar. 14.
Philipp, Lawrence A., assignor to Nash-Kelvinator Corporation, Detroit, Mich. Refrigerant evaporator. 2,496,558, Feb. 7.
Philipp, Lawrence A., assignor to Nash-Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 2,509,609, May 30.
Philipp, Lawrence A., assignor to Nash-Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 2,509,610, May 30.
Philipp, Lawrence A., assignor to Nash-Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 2,509,611, May 30.
Philipp, Lawrence A., assignor to Nash-Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 2,509,612, May 30.
Philipp, Lawrence A., assignor to Nash-Kelvinator Corporation, Detroit, Mich. Two-temperature refrigerator. 2,509,613, May 30.
Philipp, Lawrence A., assignor to Nash-Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 2,509,614, May 30.
Philipp, Lawrence A., assignor to Nash-Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus having a removable panel unit. 2,509,615, May 30.
Philipp, Lawrence A., assignor to Nash-Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus having means for disposal of defrost water. 2,511,125, June 13.
Philipp, Lawrence A., assignor to Nash-Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus having adjustable partitions. 2,511,126, June 13.
Philipp, Lawrence A., assignor to Nash-Kelvinator Corporation, Detroit, Mich. Refrigerator cabinet having a movable evaporator. 2,511,127, June 13.
Philipp, Lawrence A., assignor to Nash-Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 2,514,792, July 11.
Philipp, Lawrence A., assignor to Nash-Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 2,515,526, July 18.
Philipp, Lawrence A., assignor to Nash-Kelvinator Corporation, Detroit, Mich. Refrigerator insulation drying arrangement. 2,515,892, July 18.
Philippi, Carl A., New York, N. Y. Rotary dish-washing machine. 2,504,726, Apr. 18.
Philips Laboratories, Inc., assignee: *See*—
Brockman, Frank.
Espersen, George A.
Griffiths, Leighton E., and Hiensch.
Kes, William.
Parrish, William, and Cisney.
Shore, Sidney X.
Van Gessel, Karel M.

Philips Lamps Limited, assignee: *See*—
Nemet, Anthony.

Philips, Raymond, Cleveland, Ohio. Fused electric plug. 2,528,971, Nov. 7.

Philips, Richard T., Seattle, Wash. Adjusting means for hinges. 2,533,502, Dec. 12.

Phillipi, Earl L., Schenectady, N. Y., and C. R. Smith, Seattle, Wash., assignors to General Electric Company. Electric circuit. 2,517,131, Aug. 1.

Phillips, Albert J.: *See*—
Rowen, John W., and Phillips.

Phillips, Alec H.: *See*—
Taylor, James, and Phillips.

Phillips, Arthur P.: *See*—
Baltzle, Richard, Phillips, and Randall.

Phillips, Chandler A., San Mateo County, assignor to Shell Development Company, San Francisco, Calif. Card cabinet. 2,530,781, Nov. 21.

Phillips, Chester S., assignor to The Emerson Electric Manufacturing Company, St. Louis, Mo. Centrifugally activated circuit changing mechanism. 2,534,143, Dec. 12.

Phillips Control Corporation, assignee: *See*—
Wasserlein, Henry G.

Phillips, Daniel P.: *See*—
Hull, Donald R., Phillips, and Tate.

Phillips, David T., and J. Hutchens, Lansing, Mich. Golf tee. 2,509,166, May 23.

Phillips, Donald R.: *See*—
Tritt, Forest G., and Phillips.

Phillips, Dorothea S., Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Polyester resin adhesive compositions. 2,514,141, July 4.

Phillips, Edmund D., assignee: *See*—
Strauss, David L.

Phillips, Edmund J., Louisville, Ky. Calendar. 2,499,678, Mar. 7.

Phillips, Edwin M., East Orange, N. J. Binder. 2,495,180, Jan. 17.

Phillips, Elmer, assignee: *See*—
Trissler, Charles S.

Phillips, Emanuel: *See*—
Spier, Norman N., and Phillips.

Phillips, Erwin, assignor of one-half to J. V. Clarke and E. Clarke, jointly, New York, N. Y. Book binding. 2,526,270, Oct. 17.

Phillips, Festus C., Granbury, Tex. Painting device for round surfaces. 2,535,451, Dec. 26.

Phillips, Freeman J., McKeesport, Pa., assignor to Carnegie-Illinois Steel Corporation. Producing stainless steel immune to intercrystalline corrosion. 2,531,154, Nov. 21.

Phillips, Freeman J., McKeesport, Pa., assignor to Carnegie-Illinois Steel Corporation. Stainless steel. 2,531,155, Nov. 21.

Phillips, George R., Sacramento, Calif. Grade gauge. 2,503,408, Apr. 11.

Phillips, George R., Sacramento, Calif. High-pressure hose fitting and coupling. 2,520,372, Aug. 29.

Phillips, Harold P., assignor to Hastings Manufacturing Company, Hastings, Mich. Apparatus for induction heating rotatably mounted piston rings. 2,495,474, Jan. 24.

Phillips, Harold P., assignor to Hastings Manufacturing Company, Hastings, Mich. Air wrench. 2,495,475, Jan. 24.

Phillips, Harold P., assignor to Hastings Manufacturing Company, Hastings, Mich. Manufacture of piston ring elements. 2,500,566, Mar. 14.

Phillips, Harold P., assignor to Hastings Manufacturing Company, Hastings, Mich. Crankcase air filter. 2,500,567, Mar. 14.

Phillips, Harold P., assignor to Hastings Manufacturing Company, Hastings, Mich. Piston ring. 2,511,874, June 20.

Phillips, Harold P., assignor to Hastings Manufacturing Company, Hastings, Mich. Piston ring assembly. 2,527,958, Oct. 31.

Phillips, Harold P., assignor to Hastings Manufacturing Company, Hastings, Mich. Expander for piston rings. 2,535,597, Dec. 26.

Phillips, Harry, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Pelorus having adjustable prism and reflection shield. 2,498,768, Feb. 28.

Phillips, Harry, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Apparatus for transmitting the angular movement of a periscope to an indicating station. 2,524,927, Oct. 10.

Phillips, Harry, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for cementing tennis shoe tops. 2,525,939, Oct. 17.

Phillips, Harvey, assignor of twenty-five per cent to W. A. Riggs, Malvern, Ark. Kiln. 2,518,636, Aug. 15.

Phillips, Henry W., Schenectady, N. Y., assignor to General Electric Company. Searchlight support. 2,503,065, Apr. 4.

Phillips, Herman C., assignor to Hercules Powder Company, Wilmington, Del. Preparation of nitrocellulose emulsions. 2,510,834, June 6.

Phillips, Jack, Dallas, Tex. Hammer guard for fire-arms. 2,527,957, Oct. 31.

Phillips, James T., Gadsden, Ala. Stalk cutter assembly. 2,525,719, Oct. 10.

Phillips, Jesse B., Fort Worth, Tex. Clutch for tractor mounted hayrakes. 2,535,812, Dec. 26.

Phillips, John, and F. Sullivan, Detroit, Mich.; said Sullivan assignor to said Phillips. Stop signal apparatus. 2,507,420, May 9.

Phillips, John, New York, N. Y. Multiple combustion products operated turbine. 2,509,577, May 30.

Phillips, John, New York, N. Y. Television system. 2,511,413, June 13.

Phillips, John E., Jr., Chester, Pa., assignor to American Viscose Corporation, Wilmington, Del. High-frequency apparatus for drying materials electrostatically. 2,532,460, Dec. 5.

Phillips, Joseph J., Orland Park, Ill. Perpetual status cycle wheel. 2,496,490, Feb. 7.

Phillips, Joseph J., Orland Park, Ill. Filing wheel. 2,496,491, Feb. 7.

Phillips, Julia W., Denver, Colo. Band type knitting needle. 2,507,174, May 9.

Philips Laboratories, Inc., assignee: *See*—
Amdursky, Mark E.

Phillips, Leonard R., Teaneck, N. J., assignor to Anemostat Corporation of America, New York, N. Y. Illuminating and ventilating apparatus. 2,526,828, Oct. 24.

Phillips Manufacturing Company, Inc., assignee: *See*—
Grinde, George

Phillips, Oakley S., North Tonawanda, N. Y. Valve assembly for use with metal flasks containing gas under high pressure. 2,525,617, Oct. 10.

Phillips, Ollie W., Chicago, Ill. Educational device. 2,500,565, Mar. 14.

Phillips Petroleum Company, assignee: *See*—
Arnold, Philip M.
Axe, William N.
Ayres, Charles E.
Bailey, Grant C., and Reid.
Barton, Hugh M., Jr.
Bergen, Daniel E.
Bergman, William E.
Boatright, Robert G., Jr., Kilpatrick, and Derrick.
Boyd, James H.
Briggs, Preston P.
Briggs, Preston P., and Loebeck.
Bunn, George P.
Cade, George N.
Carlson, Henry A.
Carnell, Paul H.
Church, J. Frank.
Claassen, Howard H.
Clark, Alfred.
Crouch, Willie W.
Crouch, Willie W., and Jurrens.
Cubbage, Thomas L.
Dague, Alvie B. C., and Myers.
Davidson, Morgan W.
De Boisblanc, Deslonde R.
De Vault, Albert N.
Dutcher, Harris A.
Ellig, Carl G.
Evans, Edmond W.
Ferro, Bernardo J., Jr.
Findlay, Robert A.
Fisher, Henry B.
Frey, Frederick E.
Friedman, Alvin H.
Garretson, Owen L.
Goins, Robert R., and Hall.
Grobe, John L.
Groebe, John L., and de Villafranca.
Gund, Russell A.
Guyer, Jesse A.
Hachmuth, Karl H.
Hall, Frederick T.
Hebard, Glen G.
Helmers, Carl J.
Helmers, Carl J., and Johnson.
Henneman, Clarence O.
Hepp, Harold J.
Hepp, Harold J., and Weinrich.
Hickerson, Albert L.
Himel, Chester M.
Himel, Chester M., and Edmonds.
Hogan, John P.
Hovey, Roger S.
Hudson, Thomas B.
Hudson, Thomas B., and Upham.
Hughes, Darrel W.
Hutchinson, William M.
Johnson, Paul H.
Jones, Herbert H.
Jones, Jean P.
Kerr, Arthur N.
Killgore, Anthony J.
Kilpatrick, Myron O.
Kramer, Burt R.
Krugler, Allen D.
Latchum, John W., Jr.
Lawson, Shelby D.
Legatski, Harold R.
Loy, John W.
Lyon, Joseph P., Jr., and Crouch.
Mahan, John E.
Marhofer, Edwin G.
Mathy, John E.

Phillips Petroleum Company, assignee: *See*—Continued.
Matuszak, Maryan P.
Mayland, Bertrand J., and White.
Mayland, Bertrand J., Ruehlen and White.
McBride, John A., and Carney.
Meyers, Charles O.
Moberly, Charles W.
Molique, Lawrence G.
Morgan, Thomas D.
Morris, Lloyd C.
Morris, William L.
Oberfell, George G., and Alden.
Owen, James R.
Peck, Alvin W.
Peterson, Glen.
Pickell, Thomas D.
Quigg, Donald J.
Ray, Gardner C.
Ray, Gardner C., and Box, Jr.
Ray, Gardner C., and Johnson.
Reynolds, William B., and Cotten.
Roberts, William J.
Robinson, Sam P.
Robinson, Sam P., and Bearer.
Ryan, Martin A.
Sailors, Howard R.
Sailors, Howard R., and Hepp.
St. Clair, Theodore A.
Schneider, Valerie.
Schulze, Walter A.
Schulze, Walter A., and Crouch.
Schulze, Walter A., and Hillyer.
Schultze, Walter A., and Lyon, Jr.
Schulze, Walter A., and Mahan.
Schulze, Walter A., and Stoops.
Schulze, Walter A., and Troyan.
Short, Graham H.
Simms, Russell K.
Simons, Joseph H
Smith, Fredrick M.
Smith, Fredrick M., and Hanmer.
Smith, John K.
Snyder, Harold R., and Stewart.
Sperberg, Lawrence R., and Crawford.
Stanley, Clyde P.
Storment, Joseph E.
Studebaker, Merton L.
Thomas, Rosswell W.
Trotter, Harry D.
Troyan, James E.
Waddill, Paul M.
Wagner, Cary R., and Axe.
Walls, William S.
Warner, Paul F., and McBride.
Weber, Louis J.
Weber, Louis J., and Robinson.
Weber, Ludwig A., and Kiphart.
Weinrich, William W.
Whaley, Thomas H., Jr.
Whitney, William B.
Wicklatz, John E.
Wicklatz, John E., and Kennedy.
Wobker, Burle F., Sloan, and Briggs.
Zeigler, Harry R.

Phillips, Robert A., Flint, assignor of one-half to S. T. Faust, Luzerne, Mich. Float. 2,529,961, Nov. 14.

Phillips, Robert A., Silver Spring, Md. Screen mount. 2,500,703, Mar. 14.

Phillips, Stephen G., Garden City, N. Y. Starting gate for harness horses. Re. 23,308, Dec. 19.

Phillips, Stephen G., Westbury, N. Y. Starting gate for harness horses. 2,497,370, Feb. 14.

Phillips Tutch-Latch Company, assignee: *See*—
Keef, Dennis W.
Nottingham, Ralph K.

Phillips, Victor V., Wichita, Kans., assignor to O. K. Bush. Rain gauge. 2,509,522, May 30.

Phillips, Walter B., assignor of one-half to Western Blue Print Company, Kansas City, Mo. Calculating device. 2,506,103, May 2.

Phillips, Walter E., Lynbrook, N. Y. Hose coupling. 2,503,169, Apr. 4.

Phillips, William C., Rocky Mount, N. C. Bearing. 2,502,986, Apr. 4.

Phillips, William F., Van Dyke, Mich. Aligning device for clapper boxes. 2,494,961, Jan. 17.

Phillips, William F., Van Dyke, Mich. Pump. 2,522,633, Sept. 19.

Phillips, William M., Jr., assignor to The Udylite Corporation, Detroit, Mich. Machine for treating articles in bulk. 2,500,861, Mar. 14.

Philpotts, George C.: *See*—
Bennett, John G., Greaves, Philpotts, Pirani, Kramers, and Foster.

Philo, Frank G., Long Beach, Calif. Leak detector. 2,534,830, Dec. 19.

Philofsky, Harold M.: *See*—
Pendleton, Wesley W., and Philofsky.

Philos, Nicolas C.: *See*—
Christofilos, Nicolas C.

Philp, William J., Battle Creek, assignor to Clark Equipment Company, Buchanan, Mich. Pallet. 2,524,599, Oct. 3.

Philpot, John S.: *See*—
Barnes, Jeffrey W., and Philpot.

Philpott, La Verne R., Washington, D. C., assignor, by mesne assignments, to Pierce Company, Providence, R. I. Intermittent stop mechanism for recording pencils. 2,515,893, July 18.

Philpott, La Verne R., Washington, D. C. Synchronous voltage regulator system. 2,497,908, Feb. 21.

Phinney, John A., assignor to Stanolind Oil and Gas Company, Tulsaa, Okla. Method and apparatus for making hydrogen-carbon monoxide mixtures. 2,532,514, Dec. 5.

Phinney, John A., and B. S. Page, Tulsa, and G. R. Ayton, Pryor, assignors to Stanolind Oil and Gas Company, Tulsa, Okla. Hydrogen-carbon monoxide synthesis. 2,527,846, Oct. 31.

Phippen, A. M., assignee: *See*—
Huelsdonk, William A.

Phippen, Henry L., East Detroit, Mich. Surface artificial fish lure. 2,496,231, Jan. 31.

Phipps, Carl E., assignee: *See*—
Phipps, John T.

Phipps, Celia L., Waterloo, Ill. Interlocking nut engaging inserts for socket wrenches and box end wrenches. 2,502,587, Apr. 4.

Phipps, Darrell C., assignor to A. C. Cossor Limited, London, England. Thermionic cathode. 2,507,812, May 16.

Phipps, George S.: *See*—
Bouton, George M., and Phipps.

Phipps, John T., Huntington Park, Calif., assignor, by mesne assignments, of one-third to W. F. Sturdivant, one-third to C. E. Phipps and one-third to J. T. Phipps. Well casing protector. 2,515,796, July 18.

Phipps, Orville, Adams County, near Denver, Colo. Single edge percussion bit. 2,507,221, May 9.

Phipps, Orville, Adams County, near Denver, Colo. Multiple edge percussion bit. 2,507,222, May 9.

Phipps, Orville, Adams County, near Denver, Colo. Mining machine cutter bit. 2,521,089, Sept. 5.

Phipps, Orville, Adams County, near Denver, Colo. Core drill bit. 2,524,570, Oct. 3.

Phipps, Orville, near Denver, Colo. Self-piloted rotary drill bit. 2,532,783, Dec. 5.

Phoenix Glass Company, The, assignee: *See*—
Stewart, Andrew H.

Phoenix Products Co., assignee: *See*—
Wordingham, Maurice G.

Phonovision Corporation of America, assignee: *See*—
Like, Ralph M.

Photocheck Company, assignee: *See*—
Cirone, William T.

Photoswitch, Incorporated, assignee: *See*—
Cade, Phillip J.
Thomson, E. Craig.
Thomson, Elihu C.

Pianta, Ubaldo, and E. Pelegatta, Milan, and G. Nolli, Cremona, assignors to Società Italiana Ernesto Breda per Costruzioni Meccaniche, Milan, Italy. Mechanical movement. 2,528,286, Oct. 31.

Pianta, Ubaldo, assignor to firm Società Italiana Ernesto Breda Per Costruzioni Meccaniche, Milan, Italy. Drive for the axial motion of the cam shaft on ordinary straight-bar knitting machines. 2,499,679, Mar. 7.

Pianta, Ubaldo, assignor to Societa Italiana Ernesto Breda Per Costruzioni Meccaniche, Milan, Italy. Straight-bar knitting machine. 2,514,350, July 4.

Pianta, Ubaldo, Milan, and S. Fiorini, Brescia, assignors to Societe Italiana Ernesto Breda Per Costruzioni Meccaniche, Milan, Italy. Mechanism for transforming continuous rotary motion into reciprocating motion. 2,523,231, Sept. 19.

Piasecki, Frank N., Lansdowne, assignor to Piasecki Helicopter Corporation, Morton, Pa. Tandem rotor helicopter. 2,507,993, May 16.

Piasecki Helicopter Corporation, assignee: *See*—
Daland, Elliot.
Daland, Elliot, and Meyers.
Meyers, Donald N.
Miller, Charles C., Jr.
Piasecki, Frank N.

Piatt, Howard I., and C. P. Thomas, assignors to Piatt Products Corporation, Lansing, Mich. Tray type liquid fuel burner. 2,494,104, Jan. 10.

Piatt, Jesse B., New Lebanon, Ohio. Reinforced wall structure. 2,523,920, Sept. 26.

Piatt Products Corporation, assignee: *See*—
Andrews, Henry.
Piatt, Howard I., and Thomas.

Piazze, Thomas E., assignor, by mesne assignments, to Shellmar Products Corporation, Mount Vernon, Ohio. Article of manufacture and method. 2,514,255, July 4.

Piazze, Thomas E., Mount Vernon, Ohio, assignor to Shellmar Products Corporation, Chicago, Ill. Closure device for containers. 2,520,335, Aug. 29.

Piazze, Thomas E., Mount Vernon, Ohio., assignor to Shellmar Products Corporation, Chicago, Ill. Carton gluing and closing machine. 2,523,718, Sept. 26.

Piazze, Thomas E., Mount Vernon, Ohio, assignor to Shellmar Products Corporation, Chicago, Ill. Carton flap opening mechanism. 2,523,719, Sept. 26.

Piazze, Thomas E., assignor, by mesne assignments, to Shellmar Products Corporation, Mount Vernon, Ohio. Sealed tobacco package. 2,528,778, Nov. 7.

Picard, Leon J., Dobbs Ferry, N. Y. Hosiery. 2,493,830, Jan. 10.

Picha, George M., Chicago, Ill., R. P. Jacobsen, Shrewsbury, and G. Pincus, Worcester, Mass., assignors to G. D. Searle & Co., Skokie, Ill. 2-methyl-7-hydroxy-tetrahydrophenanthrene-carboxylic acid derivatives and the production thereof. 2,499,257, Feb. 28.

Pichler, Alvin H., Miami, Fla. Combined tap and valve. 2,515,260, July 18.

Pick, Eric, East Rockaway, assignor to The Permutit Company, New York, N. Y. Apparatus for treating aqueous solutions of electrolytes. 2,524,635, Oct. 3.

Pickands, Alexander B.: *See*—
Fudge, Lawrence K.

Pickands Mather & Co., assignee: *See*—
Royster, Percy H.

Pickard, Albert F., assignor to E. J. Longyear Company, Minneapolis, Minn. Core drill. 2,503,561, Apr. 11.

Pickard, Albert F., assignor to E. J. Longyear Company, Minneapolis, Minn. Core drill. 2,522,399, Sept. 12.

Pickel, Frank D.: *See*—
Kapp, Roland, Pickel, and Rosenberg.

Pickell, Thomas D., Kansas City, Mo., assignor to Phillips Petroleum Company. Hydrocarbon conversion. 2,531,294, Nov. 21.

Pickens, John D., Metuchen, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polyamide cold bonded laminate. 2,502,340, Mar. 28.

Picker, Harold J., Springfield, Ohio. Cushion rubber base horn weight. 2,501,086, Mar. 21.

Picker X-Ray Corporation, assignee: *See*—
Myers, George B.

Picker X-Ray Corporation Waite Manufacturing Division, Inc., assignee: *See*—
Bastin, Edgar J., Jr., and Stava.
Basyin, Edgar J., Jr., and Lyons.
Goldfield, Edwin R., and Schiring.
Goldfield, Edwin R., Stava, and Bastin, Jr.
Graves, Edward B.
Stava, Robert J.
Weisglass, Louis L.

Pickert, Lynn I., Watertown, N. Y., assignor to The New York Air Brake Company, Air brake. 2,530,723, Nov. 21.

Pickert, Lynn I., Watertown, N. Y., assignor to The New York Air Brake Company. Load compensated air brake. 2,534,622, Dec. 19.

Pickert, Mark, Watertown, N. Y., assignor to The New York Air Brake Company. Load compensated air brake. 2,525,239, Oct. 10.

Pickett, Andrew B., United States Army. Revetment molding apparatus. 2,507,542, May 16.

Pickett, Frederick A., assignor of seventy-five percent to H. M. Batten, Columbus, Ohio. Toy top. 2,510,136, June 6.

Pickett, Robert D.: *See*—
Clark, John R., and Pickett.

Pickett, Walter J., C. M. Carington, and G. W. Shoobert, assignors to K. L. G. Sparking Plugs Limited, London, England. Radio aerial for use on vehicles. 2,497,687, Feb. 14.

Picking, Alfred S. H., London, England, and I. H. Rooney, Melbourne, Victoria, Australia. Automatic alarm system. 2,518,174, Aug. 8.

Picking, Jay W., Cleveland, Ohio, assignor to The Reliance Electric & Engineering Company. Linear voltage generator. 2,505,688, Apr. 25.

Picking, Jay W., Cleveland, and W. J. Brown, Cleveland Heights, Ohio. Voltage splitting circuit. 2,534,207, Dec. 12.

Picking, William T., Westville, Bewdley Hill, Kidderminster, England. Producing knotted pile fabrics. 2,505,628, Apr. 25.

Pickles, David T., Washington, N. C. Shower bath cabinet with rotary closure means. 2,518,060, Aug. 8.

Pickles, Sidney B., Jackson Heights, assignor to Federal Telephone & Radio Corporation, New York, N. Y. Beacon antenna system. 2,524,830, Oct. 10.

Pickles, Sidney B., Jackson Heights, assignor to International Standard Electric Corporation, New York, N. Y. Glide path system. 2,527,570, Oct. 31.

Picon, Josue R., assignor to General Motors Corporation, Detroit, Mich. Limit stop for parallelogram mechanisms. 2,530,782, Nov. 21.

Picton, John B., and E. L. Tinley, assignors to Joshua Bigwood & Son, Limited, Wolverhampton, England. Straightening machine. 2,501,087, Mar. 21.

Picton, John B., and E. L. Tinley, assignors to Joshua Bigwood & Son, Limited, Wolverhampton, England. Straightening machine. 2,517,343, Aug. 1.

Picton, John B., and E. L. Tinley, assignors to Joshua Bigwood & Son Limited, Wolverhampton, England. Machine for straightening rods or tubes. 2,517,344, Aug. 1.

Pidco Limited, assignee: *See*—
Seamark, Lewis M. C.

Pidgeon, Andrew J., Woodside Pidgeon Farm, Quebec, Canada. Aircraft. 2,495,643, Jan. 24.

Piechaczek, Alojzy, Edinburgh, Scotland. Surgical and medical syringes. 2,496,559, Feb. 7.

Pien, Hsia- S., Drexel Hill, assignor to Wilkening Manufacturing Company, Philadelphia, Pa. Piston ring. 2,531,784, Nov. 28.

Piening, John R.: *See*—
Cheney, Lee C., and Piening.

Pieper, Chester R., Ladue, assignor to Pieper-Lillard, Incorporated, St. Louis, Mo. Pulley block. 2,527,651, Oct. 31.

Pieper-Lillard, Incorporated, assignee: *See*—
Pieper, Chester R.

Pieper, Oliver T., Edgewood Hills, Del., assignor to American Dyewood Company, Chester, Pa. Spray drying device. 2,515,665, July 18.

Pierce, Albert C., United States Marine Corps. Trigger mechanism. 2,533,283, Dec. 12.

Pierce, Aldrid, New York, N. Y. Scooter toy. 2,508,189, May 16.

Pierce, Bert H., Chicago, Ill. Water heater for internal-combustion engines and the like. 2,529,707, Nov. 14.

Pierce Company, assignee: *See*—
Finch, William G. H.
Finch, William G. H., and Hohmann.
Philpott, Le Verne R.
Volz, Philip E.

Pierce, Erold F., Paterson, N. J., assignor to Wright Aeronautical Corporation. Automatic power control. 2,502,987, Apr. 4.

Pierce, Eula, administratrix: *See*—
Geyer, Carl F.

Pierce, George L., and N. H. Thorkelson, Brooklyn, N. Y., assignors to A. G. Spalding & Bros., Chicopee, Mass. Athletic shoe. 2,506,559, May 2.

Pierce, George McG., Los Angeles, Calif. Control apparatus for traveling letter signs. 2,526,829, Oct. 24.

Pierce, Gertrude J., Alfred, Maine. Magnifying attachment for books. 2,527,071, Oct. 24.

Pierce Governor Company, assignee: *See*—
Minniear, Herbert C.

Pierce, Harold L., Pasadena, Calif. Expanding earth materials. 2,501,962, Mar. 28.

Pierce, Harold L., Pasadena, Calif. Making mineral plastic. 2,517,235, Aug. 1.

Pierce, Harold S., Indianapolis, Ind., assignor to Link-Belt Company. Drive chain. 2,525,561, Oct. 10.

Pierce, Harry W., Collingswood, N. J. Steering gear. 2,525,240, Oct. 10.

Pierce, Howard A., Hamburg, N. Y. Starting apparatus for race tracks. 2,507,994, May 16.

Pierce, Jerry A.: *See*—
Kimberlin, Charles N., Jr., and Pierce.

Pierce, Jerry A., Baton Rouge, La., assignor to Standard Oil Development Company. Making water-soluble materials water repellent. 2,500,770, Mar. 14.

Pierce, Jerry A., Baton Rouge, La., assignor to Standard Oil Development Company. Forming hydrogel beads by spray contact. 2,506,316, May 2.

Pierce, John B., Foundation, assignee: *See*—
Anderegg, Frederick O.
Cataldo, John B., and Dolan.
Cataldo, John B., and Vroom.
O'Brien, Joseph F.
O'Brien, Joseph F., and Boynton.
O'Brien, Joseph F., and Cataldo.
O'Brien, Joseph F., and Morten.

Pierce, John R., Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cavity resonator oscillator device. 2,500,430, Mar. 14.

Pierce, John R., Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Pulse code modulation communication system. 2,508,322, May 23.

Pierce, John R., Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge device of the cavity resonator type. 2,513,359, July 4.

Pierce, John R., Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electronic tracing system. 2,515,057, July 11.

Pierce, John R., Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Storage tube. 2,527,652, Oct. 31.

Pierce, John R., Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. High-speed oscilloscope. 2,535,317, Dec. 26.

Pierce, John S., assignor of one-half to The Albemarle Paper Manufacturing Company, Richmond, Va. Lignin aliphatic acids and salts. 2,503,297, Apr. 11.

Pierce, Joseph H., Tulsa, Okla. Safety attachment for loading apparatus. 2,527,653, Oct. 31.

Pierce Laboratory, Inc., assignee: *See*—
Babayan, Vigen K.
Kalman, Nicholas L.
Zeiss, Harold H.

Pierce, Lawrence, Edgewood, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Arc box holding spring. 2,523,140, Sept. 19.

Pierce, Norton T., Reading, Mass. Calculating machine. 2,533,954, Dec. 12.

Pierce, Paul, Jr., La Grange, assignor to Pierce Wrapping Machine Company, Chicago, Ill. Ejector for wrapping machines. 2,533,177, Dec. 5.

Pierce, Preston G., Salisbury, Md. Attachment for cranes. 2,520,431, Aug. 29.

Pierce, Raymond T., Millburn, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Electrical control device. 2,515,314, July 18.

Pierce Renewable Fuses, Inc., assignee: *See*—
Popp, Arthur M.

Pierce, Robert C., Niles, Mich., assignor to National-Standard Company. Wire laying machine. 2,499,258, Feb. 28.
Pierce & Stevens, Incorporated, assignee: *See*— Deney, Herman J.
Pierce, Wayne M., Jr., Milford, assignor to United Aircraft Corporation, East Hartford, Conn. Ski of laminated construction. 2,525,618, Oct. 10.
Pierce, Winslow S., Jr., Dublin, N. H. Spindle. 2,510,292, June 6.
Pierce Wrapping Machine Company, assignee: *See*— Pierce, Paul, Jr.
Piercey, James V., Chicago, Ill. Curtain stretcher roller. 2,498,963, Feb. 28.
Piercy, Carl A., Ballston Lake, and R. S. Kent, Schenectady, N. Y., assignors to General Electric Company. Insulating hollow core conductors. 2,531,156, Nov. 21.
Pieron, William P., Forest Hills, N. Y. Crab net. 2,520,780, Aug. 29.
Pierotti, Gino J.: *See*— Handlos, Arthur E., and Pierotti.
Pierotti, Gino J., Albany, assignor to Shell Development Company, San Francisco, Calif. Extraction of penicillin. 2,503,214, Apr. 4.
Pierotti, Gino J., Albany, E. A. Anderson, Berkeley, and M. Souders, Jr., Piedmont, assignors to Shell Development Company, San Francisco, Calif. Purification of penicillin. 2,503,215, Apr. 4.
Pierotti, Gino J., Albany, R. A. Wilson and E. A. Anderson, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Purification of penicillin. 2,503,216, Apr. 4.
Pierotti, Gino J., Albany, assignor to Shell Development Company, San Francisco, Calif. Refining and concentrating crude unsaturated aldehydes. 2,514,967, July 11.
Pierotti, Gino J., Albany, A. E. Handlos, Berkeley, and C. M. Reider, Alameda, assignors to Shell Development Company, San Francisco, Calif. Refining and concentrating crude unsaturated aldehydes by extractive distillation. 2,514,966, July 11.
Pierrat, Paul, Courbevoie, and E. Colombu, assignors to Societe de Constructions Mecaniques de Stains, Paris, France. Preparing viscose. 2,495,235, Jan. 24.
Pierrat, Paul, Courbevoie, E. Colombu, and G. Joris, assignors to Societe de Constructions Mecaniques de Stains, Paris, France. Apparatus for cutting continuous filaments. 2,495,236, Jan. 24.
Pierre, Emile A., Valenciennes, assignor to "L'Etancon Compense" (Societe a Responsabilite Limitee), Paris, France. Metallic mine stanchion. 2,514,965, July 11.
Pierson, Adrian A., Jr., Utica, N. Y. Radio shielding sealing gasket. 2,519,850, Aug. 22.
Pierson, Earl H., and M. Tishler, assignors to Merck & Co., Inc., Rahway, N. J. Preparation of β-methylmercaptopropionaldehyde. 2,523,633, Sept. 26.
Pierson, Ernest, Eureka, Calif. Sashless window. 2,530,724, Nov. 21.
Pierson, Harold L., Sea Breeze, assignor to E. P. Reed & Co., Rochester, N. J. Shoe structure. 2,521,252, Sept. 5.
Pierson, Herman V., Joliet, Ill. Air operated heading dies for single blow duplex nail machines. 2,527,759, Oct. 31.
Pierson, Paul R.: *See*— West, Charles P., Rugg, and Pierson.
Pierson, Paul R., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Disconnect switch. 2,495,181, Jan. 17.
Pierson, Paul R., and G. L. Claybourn, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Pipe joint. 2,516,019, July 18.
Pierson, Ralph C.: *See*— Humbarger, Frank F., and Pierson and Schepman.
Pierson, Ralph C., Indianapolis, Ind., assignor to Union Carbide and Carbon Corporation. Portable manifold for gas containers. 2,518,569, Aug. 15.
Pierson, Raymond G., New York, N. Y., and B. H. Hayes, Leominster, assignors to Arlington Chair Co., Gardner, Mass. High chair. 2,525,940, Oct. 17.
Pierson, Roland, Reedley, Calif. Aerial spraying apparatus. 2,504,580, Apr. 18.
Pies, Alice C., administratrix: *See*— Pies, Fred B.
Pies, Fred B., deceased, Newtown, Ohio, by A. C. Pies, administratrix, Newtown, Ohio. Shingle gauge attachment for hammers. 2,517,345, Aug. 1.
Pietenpol, William J.: *See*— Engstrom, Ralph W., and Pietenpol.
Pieterick, Adrian J., Van Nuys, Calif. Orthopedic brace. 2,516,253, July 25.
Pietsch, Otto, assignor to Dryden Paper Company Limited, Dryden, Ontario, Canada. Twine cutting machine. 2,520,286, Aug. 29.
Pietz, Ervin, Medford, Mass., assignor to L. N. Barry Co., Inc. Vibration isolator. 2,515,422, July 18.
Pifer, Marion J., Williamsville, assignor to Colonial Radio Corporation, Buffalo, N. Y. Selector for signal seeking tuning systems. 2,495,020, Jan. 17.
Pifer, Marion J., Williamsville, assignor to Colonial Radio Corporation, Buffalo, N. Y. Motor tuning stopping circuit. 2,499,875, Mar. 7.
Pifer, Marion J., Williamsville, assignor to Colonial Radio Corporation, Buffalo, N. Y. Push-button tuning for signal-seeking receivers. 2,501,003, Mar. 21.
Pifer, Marion J., Williamsville, assignor to Colonial Radio Corporation, Buffalo, N. Y. Decimal push-button tuning system. 2,512,258, June 20.
Pifer, Marion J., Williamsville, A. D. Meyer, Kenmore, and H. J. McGarvey, assignors to Colonial Radio Corporation, Buffalo, N. Y. Tuning mechanism. 2,530,663, Nov. 21.
Pifke, Edgar A., Philadelphia, Pa., assignor to General Electric Company. Reciprocal dual circuit breaker double interlock mechanism. 2,531,157, Nov. 21.
Piganeau, Gérard P., Paris, France. Servo control device for brakes and the like. 2,499,775, Mar. 7.
Piggott, William C.: *See*— Arnold, Joseph G., and Piggott.
Pignons S. A., Ballaigues, assignee: *See*— Baer, Georges.
Pigott, William T., assignor to Wingfoot Corporation, Akron, Ohio. Melting polymers. 2,515,136, July 11.
Pijoan, Michel, Boulder, Colo. Insect repellent preparations. 2,528,544, Nov. 7.
Pijoan, Michel, and L. A. Jachowski, Jr., U. S. Navy. Insect repellent mixtures comprising a hydrogenated diphenyl and a hydrogenated naphthol. 2,512,675, June 27.
Pike, Merle E., Kingsport, Tenn., and E. W. Lane, Gates City, Va., assignors to Eastman Kodak Company, Rochester, N. Y. Apparatus for calendering thermoplastic sheets. 2,534,296, Dec. 19.
Pike, Ralph E.: *See*— Osdal, Le Verne K., and Pike.
Pike, Robert D., assignee: *See*— Plummer, Kenneth V., and Pike.
Pike, Robert D., Pittsburgh, Pa. Production of metallic iron from iron oxides. 2,501,189, Mar. 21.
Pike, Robert D., Pittsburgh, Pa. Furnace for the production of nitric oxide from air. 2,512,259, June 20.
Pike, Robert D., Pittsburgh, Pa. Refrigerator car and refrigeration. 2,512,437, June 20.
Pikl, Josef, Glassboro, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing water-repellant compositions. 2,505,649, Apr. 25.
Pilch, John, Ware, Mass. Tractor attachment for loaders and the like. 2,526,500, Oct. 17.
Pile, Benjamin D., Alexandria, Va. Wrist watch band. 2,513,892, July 4.
Pile, Benjamin D., Alexandria, Va., and A. H. McCallum, Peoria, Ill. Apparatus and process for producing capsules. 2,529,416, Nov. 7.
Pile, Benjamin D., New Orleans, La., and A. H. McCallum, Peoria, Ill. Process and apparatus for producing capsules. 2,531,986, Nov. 28.
Pile, Sydney, assignor to Teleflex Products Limited, London, England. Locking device in irreversible transmissions. 2,498,843, Feb. 28.
Pileggi, Domenick: *See*— Molas, Philip, and Pileggi.
Pilgrim, Joseph A., Elberta, Ala. Stump eliminator. 2,530,399, Nov. 21.
Pilkington Brothers Limited, assignee: *See*— Labby, Leon, and Bousseau. Lecron, Albert.
Pillemer, Louis, assignor to Western Reserve University, Cleveland, Ohio. Prophylactic toxoid compound and making same. 2,528,972, Nov. 7.
Pillet, Frederick A., assignee: *See*— Wroblewski, Polikarp.
Pilliner, Bernard J., Guildford, assignor to Vokes Limited, London, England. Crimping or pleating apparatus and method. 2,495,130, Jan. 17.
Pilling, Alan H.: *See*— Fearon, Frank G., and Pilling.
Pilling Chain Company, assignee: *See*— Lawson, Birdsall P.
Pilling, Eugene A., Chicago, Ill. Binder. 2,500,322, Mar. 14.
Pilling, Norman B.: *See*— Millis, Keith D., Gagnebin, and Pilling.
Pilliod, Jules J., Toledo, Ohio. Fish scaler with hood. 2,516,414, July 25.
Pilliod, Jules J., Toledo, Ohio. Fish holding implement. 2,531,987, Nov. 28.
Pillow, Benjamin M., Dyersburg, Tenn. Anchoring device. 2,522,191, Sept. 12.
Pillsbury Mills, Inc., assignee: *See*— Harrel, Chastain G., Brown, and Kimball. Harrel, Chastain G., Haigh, and Brown.
Pilot Marine Corporation, assignee: *See*— Ingram, Mexwell.
Pilzer, Severin, Zurich, Switzerland. Device for adjusting the bottom margin on typewriting and similar office machines. 2,524,571, Oct. 3.
Pimley, Gordon H., Preston, assignor to Dobson & Barlow Limited, Bolton, England. Ring for ring spinning machines. 2,533,503, Dec. 12.
Pimlott, John R., Potomac, and S. E. Dawson, Fairway Hills, Md. Differential transformer pickup unit. 2,494,579, Jan. 17.
Pinanski, Samuel, Brookline, Mass. Ornamental envelope for apparatus for dispensing beverages. 2,514,558, July 11.

Pinanski, Samuel, Brookline, Mass. Paintbox. 2,533,618, Dec. 12.

Pinard, Vivian E., San Jose, Calif., assignor to Richmond-Chase Company. Apparatus for detaching the stems from fruit. 2,506,889, May 9.

Pinardi, Charles P., assignor to Ford Motor Company, Dearborn, Mich. Steering mechanism. 2,518,175, Aug. 8.

Pinardi, Charles P., Dearborn, and D. L. Poole, Detroit, assignors to Ford Motor Company, Dearborn, Mich. Accelerator pedal. 2,532,189, Nov. 28.

Pinaud, John A., Tampa, Fla. Slicing machine. 2,513,741, July 4.

Pinciroli, Andrea, Turin, Italy. Oscillographic cathode-ray tube with cylindrical fluorescent screen. 2,513,742, July 4.

Pinckney, Harold W., Syracuse, N. Y. Smoking pipe saddle. 2,528,173. Oct. 31.

Pincus, Gregory: *See*—
Jacobsen, Robert P., Pincus, and Levy.
Picha, George M., Jacobsen, and Pincus.

Pincus, Gregory, Worcester, R. P. Jacobsen, Shrewsbury, and H. Levy, Worcester, Mass., assignors to G. D. Searle & Co., Skokie, Ill., 2,13-dimethyl-polyhydrophenanthrene lactone derivatives and the preparation thereof. 2,499,248, Feb. 28.

Pincus, Sidney L., Brooklyn, N. Y. Combination pouch shopping bag. 2,493,085, Jan. 3.

Pincus, Sidney L., Brooklyn, and J. Oxman, Bronx, N. Y. Folding clothes hanger. 2,518,370, Aug. 8.

Pine Tree Rug and Accessories, Inc., assignee: *See*—
Clark, Eugene F.

Pine, W. Morton, administrator: *See*—
Pine, Wilbur J.

Pine, Wilbur J., Wausau; W. M. Pine, Milwaukee, Wis., administrator of said Wilbur J. Pine, deceased. Drip valve. 2,510,252, June 6.

Piner, Byron A.: *See*—
Ehrhart, John B., and Piner.

Pines, Herman: *See*—
Ipatieff, Vladimir N., and Pines.

Pines, Herman, and B. Kvetinskas, assignors to Universal Oil Products Company, Chicago, Ill. Production of aromatic keto alcohols. 2,495,904, Jan. 31.

Pines, Herman, and B. Kvetinskas, assignors to Universal Oil Products Company, Chicago, Ill. Catalytic oxidation of aromatic hydrocarbons in presence of nitroalkanes. 2,501,088, Mar. 21.

Pines, Herman, and B. Kvetinskas, assignors to Universal Oil Products Company, Chicago, Ill. Compensation of thiophenes with ketones. 2,526,894, Oct. 24.

Pines, Herman, and V. N. Ipatieff, assignors to Universal Oil Products Company, Chicago, Ill. Production of polycyclic aromatic hydrocarbons. 2,526,895, Oct. 24.

Pines, Herman, Chicago, and J. A. Vesely, Evanston, assignors to Universal Oil Products Company, Chicago, Ill. Catalytic condensation of furans with compounds capable of yielding hydrocarbon radicals. 2,532,515, Dec. 5.

Pingard, Gustave: *See*—
Urison, Jacques, de Calignon, and Pingard.

Pingel, Vernon J.: *See*—
Smith, Loren W., and Pingel.

Pinion, Thomas N., Denver, Colo. Boiler water feed device 2,519,600. Aug. 22.

Pinkard, Viola, Bronx, and K. Gaston, Long Beach, N. Y. Stocking and foot protector. 2,505,339, Apr. 25.

Pinkel, Isadore I., Cleveland, Ohio. Rotary pump for high-altitude aircraft. 2,495,760, Jan. 31.

Pinkham, Newell W.: *See*—
Greenhalgh, John, Pinkham, and Tomer.

Pinkham, Newell W., North Quincy, assignor to Polaroid Corporation, Cambridge, Mass. Photographic product. 2,525,720, Oct. 10.

Pinkney, Paul S.: *See*—
Ernsberger, Maurice L., and Pinkney.

Pinkney, Paul S., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Thermosetting and thermoset compositions comprising monoolefin/carbon monoxide polymers and obtaining same. 2,495,282, Jan. 24.

Pinkney, Paul S., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polycyanohydrin made by reacting hydrogen cyanide with a monoolefin/carbon monoxide polymer. 2,495,284, Jan. 24.

Pinkstaff, Harold D., Visalia, assignor of fifty per cent to C. Lester, Sanger, and fifty per cent to Paper Products Company, Visalia, Calif. Fruit packer. 2,521,090, Sept. 5.

Pinkvoss, Berthold P., Stratford, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Overload release clutch. 2,505,742, Apr. 25.

Pinkvoss, Berthold P., Stratford, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Trimmer mechanism for sewing machines. 2,533,197, Dec. 5.

Pinnere, Dante A., assignor to The Zipper Scarf Corporation, Rochester, N. Y. Automatic neck fitting scarf. 2,496,953, Feb. 7.

Pinney, Ernest F., Glen Cove, assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Cutoff machine. 2,528,779, Nov. 7

Pinnick, Alfred, Birmingham, England. Castor for furniture and the like. 2,495,599, Jan. 24.

Pino, Vincent, New York, N. Y. Dispensing cigarette case with ejector locking means. 2,513,672, July 4.

Pinsky, Jules, assignor to Plax Corporation, West Hartford, Conn. Heat-treatment for plastic articles. 2,514,088, July 4.

Pintiaux, Oscar, Saint-Laurent Blangy, assignor to Societe de Produits Chimiques & Engrais d'Auby, Paris, France. Contact tower for conversion under pressure of carbon monoxide and the like applications. 2,530,314, Nov. 14.

Pinto, Arthur F., Berkeley, Calif. Liquid surface cooler. 2,521,406, Sept. 5.

Pioneer Engineering Works, Inc., assignee: *See*—
Heer, Ralph W

Pioneer Gen-E-Motor Corporation, assignee: *See*—
Goldberg, Harry.
Goldberg, Harry, and Burrows.
Loewe, Peter L., and Boyce.

Pioneer Heddle & Reed Co., Inc., assignee: *See*—
Suchke, Frederick M.

Pioneer Parachute Company, Inc., assignee: *See*—
Stewart, Emry V.

Piotrowski, Anthony, Chicago, Ill. Detachable setting for jewelry. 2,519,152, Aug. 15.

Piowaty-Bergart Company, assignee: *See*—
Rottier, Frank.

Pipe Linings, Inc., assignee: *See*—
Scott, Norman L.

Piper, Chester L.: *See*—
Koonz, John C., and Piper.

Piper, Glenn T., North Canton, and O. B. Sutton, Canton, Ohio, assignors to the United States of America as represented by the Secretary of the Navy. Primary cell. 2,517,132, Aug. 1.

Piper, James J. Spokane, Wash. Water heater. 2,505,203, Apr. 25.

Piper, Ray W., Portland, Oreg. Tie wire twisting and tightening tool. 2,494,832, Jan. 17.

Piper, William E., Wilmington, Del., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Detecting flaws in solid bodies. 2,524,208, Oct. 3.

Piperoux, Rene P.: *See*—
Soussloff, Dimitri G., and Piperoux.

Pipkin, Marvin, Cleveland Heights, Ohio, assignor to General Electric Company. Flash lamp. 2,497,517, Feb. 14.

Pipponzi, Adriano, Busto Arsizio, Italy. Electric circuit breaker. 2,529,662, Nov. 14.

Piqué, Baudilio J., Marianao Township, Habana, Cuba. Electric-light projecting reflector. 2,501,140, Mar. 21.

Piqué, Baudilio J., Ampliacion de Almendares, Marianao Township, Habana, Cuba. Water cooler with thermal insulated water cock. 2,506,840, May 9.

Piquerez, Emile, St. Cloud, assignor to Societe dite: Tecalemit, Societe Anonyme, Paris, France. Filling nozzle for liquids with automatic limitation of the level of the liquid and automatic resetting. 2,527,760, Oct. 31.

Pirani, Marcello: *See*—
Bangham, Donald H, Bennett, Mayorcas, Pirani and Thring.
Bennett, John G., Greaves, Phillpotts, Pirani, Kramers, and Foster.

Pirani, Marcello, Kingston Hill, and A. Hilliard, assignors to C. U. R. A. Patents Limited, London, England. Refractory brick, blocks, or like elements. 2,532,190, Nov. 28.

Pirchio, Pasquale M., Clay Township, St. Joseph County, assignor of one-third to G. E. Rohrbach and one-third to J. J. Sechowski, South Bend, Ind. Air purifier. 2,516,340, July 25.

Pirelli Societa per Azioni, assignee: *See*—
Bedini, Nerino, Vesigna, and Giuliani.
Boschi, Antonio.

Piron, Emil H., assignor to Transit Research Corporation, New York, N. Y. Electric brake. 2,515,468, July 18.

Piron, Emil H., assignor to Transit Research Corporation, New York, N. Y. Motion damping device. 2,516,072, July 18.

Pirwitz, Friedrich A. G., assignor to Wollensak Optical Company, Rochester, N. Y. Camera shutter having built-in flash synchronizing means. 2,502,668, Apr. 4.

Pistey, John M., Fairfield, Conn., and F. C. De Reamer, Lake Worth, Fla., assignors to General Electric Company. Lamp holder for circular tubular lamps. 2,534,956, Dec. 19.

Pitcairn, Harold F., Bryn Athyn, assignor to Autogiro Company of America, Philadelphia, Pa. Rotative winged aircraft control. 2,499,161, Feb. 28.

Pitcher, Benjamin F., Cheboygan, Mich. Chain saw sharpener. 2,522,799, Sept. 19.

Pitcher, Paul G., assignor to S. M. Harvey, Detroit, Mich. Welding gun with gas shielded arc. 2,510,415, June 6.

Pitkin, George P., deceased, by W. M. Pitkin, administratrix, Bergenfield, N. J., assignor, by mesne assignments, of one-half to The Jacques Loewe Research Foundation, Inc., New York, N. Y. Therapeutic preparations for intramuscular and subcutaneous injection and making the same. 2,530,480, Nov. 21.

Pitkin, Winifred M., administratrix: *See*—
Pitkin, George P.

Pitman, Ralph R., North Little Rock, Ark. Circuit-faulting fuse construction. 2,501,963, Mar. 28.

Pitney-Bowes, Inc., assignee: *See*—
Fowler, Elbert.
Hanson, Walter J.
Hanson, Walter J., and Linden.
Rouan, Francis J., and Knauer.
Russell, Alva G.
Thatcher, Linden A.
Pitometer Log Corporation, assignee: *See*—
Cole, Edward S.
Piton, Charles, Geneva, Switzerland, assignor, by mesne assignments, to H. Thorens, S. A. Mechanical tuning adjuster. 2,526,610, Oct. 17.
Pitre, Ernest F., New Iberia, La. Disk and vaned rotary hoe. 2,529,417, Nov. 7.
Pitt, Arnold, assignor to Massey-Harris Co. Ltd., Toronto, Ontario, Canada. Centrifugal clutch control. 2,521,943, Sept. 12.
Pitt, Arnold, Weston, Ontario, Canada. Deferred action battery. 2,534,056, Dec. 12.
Pittenger, Glenn C., assignor to Ralston Purina Company, St. Louis, Mo. Poultry feeder. 2,522,634, Sept. 19.
Pittenger, Glenn C., St. Louis, and D. R. Thornhill, Gray Summit, assignors to Ralston Purina Company, St. Louis, Mo. Hog feeder. 2,522,635, Sept. 19.
Pittenger, Glenn C., St. Louis, and R. L. Brandenburger, Clayton, assignors to Ralston Purina Company, St. Louis, Mo. Poultry feeder. 2,524,135, Oct. 3.
Pitterman, Frank, assignee: *See*—
Burnstein, Isaac, and Louis.
Pittman, Ralph R., North Little Rock, Ark. High-voltage fuse construction. 2,498,575, Feb. 21.
Pittman, Ralph R., North Little Rock, Ark. Lightning arrester construction. 2,506,938, May 9.
Pittman, Ralph R., North Little Rock, Ark. Load-break fuse switch. 2,514,163, July 4.
Pittman, Ralph R., Park Hill, and C. H. Walsh, Pine Bluff, Ark. Thermally operated secondary breaker. 2,520,257, Aug. 29.
Pittman, Ralph R., North Little Rock, and C. H. Walsh, Pine Bluff, Ark. Secondary breaker. 2,520,258, Aug. 29.
Pittman, Valerie P., Harrow, Middlesex, England, assignor to Eastman Kodak Company, Rochester, N. Y. Polymethine dyes and preparation. 2,521,944, Sept. 12.
Pitts, Franklin A., Covington, and W. H. Haupt, Ludlow, assignors to The Kelley-Koett Manufacturing Company, Covington, Ky. Vertically and tiltably movable X-ray table. 2,534,623, Dec. 19.
Pitts, Leonard B.: *See*—
Bullard, Washington I., and Pitts.
Pitts, Norman H., Milledgeville, Ga. Whistle. 2,505,141, Apr. 25.
Pitts, Norman H., Hardwick, Ga. Portable therapeutic device. 2,533,955, Dec. 12.
Pitts, William A., Tulsa, Okla. Kelly handling device. 2,535,546, Dec. 26.
Pittsburgh Annealing Box Company, assignee: *See*—
Jacob, Morris L.
Pittsburgh Coke & Chemical Company, assignee: *See*—
Cooper, William C.
Pittsburgh Consolidation Coal Company, assignee: *See*—
Jones, Benjamin W.
Pittsburgh Corning Corporation, assignee: *See*—
Ford, Walter D.
Pittsburgh-Des Moines Company, assignee: *See*—
Cooper, Howell C.
Jackson, James O.
Pittsburgh-Erie Saw Corporation, assignee: *See*—
Wilson, Henry E. and G. W.
Pittsburgh Pipe Cleaner Company, assignee: *See*—
Robinson, Lawrence R. and K. I., Berger, and Lang.
Pittsburgh Plate Glass Co., assignee: *See*—
Miller, Robert A.
Pittsburgh Plate Glass Company, assignee: *See*—
Arndt, Rudolph P.
Bissinger, William E.
Bohl, Lester E.
Christenson, Roger M.
Christenson, Roger M., and Gloyer.
Devol, Manson L.
Eilerman, George E.
Gage, Frederick W.
Gaunder, Wilbur F.
Gerhart, Howard L.
Glover, Stewart W.
Halbach, Howard L., Campbell, and Koupal.
Haux, Elmer H.
Knudsen, Percy E., and Heaton.
Pechukas, Alphonse.
Price, Robert J.
Reis, Joseph J., Jr.
Schnorbus, Henry J.
Strain, Franklin.
Towle, Warren L.
Vogel, Henry A.
Vogel, Henry A., and Christenson.
Pittsburgh Testing Laboratory, assignee: *See*—
Brosky, Stanley A.
Pittsburgh Waterproof Company, assignee: *See*—
Mamaux, Harry O.
Pityo, Albert F.: *See*—
Ekstedt, John W., Pityo, and Butterfield.
Kershaw, Henry, and Pityo.
Pityo, Albert F., Clifton, and H. Butterfield, Maplewood, N. J. Forming hemispherical globe sections. 2,510,215, June 6.
Pitzer, Edgar C., Baltimore, Md., assignor to Standard Oil Company, Chicago, Ill. Vinylthiophene polymerization process and products. 2,505,204, Apr. 25.
Pivero, Frank T., San Diego, Calif. Automatic door locking device. 2,530,628, Nov. 21.
Pizer, Robert S., Washington, D. C. Radiant energy control system for aircraft. 2,530,725, Nov. 21.
Pizzo, Joseph A., Portland, Oreg., assignor to Food Machinery and Chemical Corporation. String bean grader. 2,523,055, Sept. 19.
Pizzonia, Joseph, Richmond Hill, N. Y. Combination desk and drawing table. 2,507,931, May 16.
Plá, José H., Marianao, Cuba. Load vehicle bed. 2,509,167, May 23.
Place, Charles I., New Milford, Conn. Belt drive assembly. 2,534,679, Dec. 19.
Place, Russell T., Detroit, Mich., assignor, by mesne assignments to The B. F. Goodrich Company, Akron, Ohio. Regulator valve. 2,523,542, Sept. 26.
Plachecki, Alexander J.: *See*—
Morgan, Erving B., and Plachecki.
Plack, Ferdinand T., deceased, Harrisburg, Pa.; H. G. Plack, executor of said F. T. Plack. Plural soap-cake holder. 2,522,483, Sept. 12.
Plack, Harry G., executor: *See*—
Plack, Ferdinand T.
Plackett, Grace: *See*—
Hearst, William, and Plackett.
Plambeck, Louis, Jr.: *See*—
Howk, Benjamin W., and Plambeck, Jr.
Plamondon, Isabel M., Goodrich, Mich. Mop wringer, including a spring urged pressure plate. 2,522,891, Sept. 19.
Planas, Eduardo A., Marianao, Cuba. Paper sheet filing drawer. 2,526,407, Oct. 17.
Planet, Felix, Lyon, France. Thread twisting device. 2,521,601, Sept. 5.
Plank, Charles J.: *See*—
Denton, William I., and Plank.
Plank, Charles J., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Preparation of spheroidal desiccant. 2,499,680, Mar. 7.
Plank, Charles J., and D. E. Badertscher, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Production of phenol aldehyde resins. 2,504,100, Apr. 18.
Plant Products Corporation, The, assignee: *See*—
Cleary, Thomas F., Jr.
Plantet, Henry, Paris, assignor to Societe E. P. I. C. (Electricite, Produits Industriels et Chimiques), Neuilly-sur-Seine, France. Electromagnetic clutch. 2,499,036, Feb. 28.
Pla-Safe Plastics Corporation, assignee: *See*—
Evans, Robert P., and Miller, Jr.
Plass, Raymond B., Berkeley, assignor to Ray Oil Burner Co., San Francisco, Calif. Shutdown system for oil burners. 2,494,778, Jan. 17.
Plastic Manufacturers, Incorporated, assignee: *See*—
Battersby, Robert B.
Plastic Mold Die & Tool, Inc., The, assignee: *See*—
Horvath, Joseph S.
Plastic Products Corp., assignee: *See*—
Dowling, Arthur P.
Plasticrest Products Inc., assignee: *See*
Sofo, Leonard.
Plasticrete Corporation, assignee: *See*—
Paolella, Philip.
Paolella, Philip, and Alfred.
Plasti-Glo Manufacturing Company, assignee: *See*—
Comerford, William H., and Golding.
Golding, James L., Bowman, and Comerford.
Plastilac Corporation, The, assignee: *See*—
Wittgren, Charles.
Plastite Inc., assignee: *See*—
Shufer, Milton.
Plaswood Corporation, The, assignee: *See*—
Caughey, Robert A.
Platek, Stanley F., Irvington, N. J. Cleaning apparatus. 2,499,876, Mar. 7.
Plater, Robert G., assignee: *See*—
Williams, Dan T.
Plath, Robert, Seattle, Wash., assignor to Boeing Airplane Company. Aircraft control surface. 2,506,939, May 9.
Platon, Edmond D. V., Lyon, France, assignor to International Standard Electric Corporation, New York, N. Y. Refrigerator for testing instruments under conditions of cold and low pressure. 2,502,480, Apr. 4.
Platt, Benjamin, Phoenix, Ariz., assignor to Platt Luggage, Inc., Chicago, Ill. Soft-sided hand luggage having shape-retaining end walls. 2,502,632, Apr. 4.
Platt, Emerson: *See*—
Platt, Garrett and E.
Platt, Garrett and E., Huston, Idaho. Field creeper. 2,511,940, June 20.
Platt, James C., Gainesville, Ga., assignor to Chicopee Manufacturing Corporation of Georgia. Splicing sheet material. 2,495,761, Jan. 31.
Platt, John D.: *See*—
Platt, Leland H., L. H., Jr., and J. D.
Platt, Leland H., L. H., Jr., and J. D., Los Angeles, Calif. Wire bound box lidder. 2,517,710, Aug. 8.

Platt, Leland H., L. H., Jr., and J. D., Los Angeles, Calif. Conveyer belt drive. 2,524,328, Oct. 3.
Platt, Leland H., Jr.: *See*—
Platt, Leland H., L. H., Jr. and J. D.
Platt Luggage, Inc., assignee: *See*—
Platt, Benjamin.
Platt, Mildred F., executrix: *See*—
Feazel, William E.
Platt, R. L., assignee: *See*—
Sears, Fred M.
Platt, William C.: *See*—
Paine, George R., and Platt.
Platter, Edgar, Roswell, N. Mex. Saw setting tool. 2,500,862, Mar. 14.
Platz, Elwood T., Detroit, Mich. Floor cleaning machine. 2,524,928, Oct. 10.
Platz, Elwood T., and L. E. Fisher, assignors to Bulldog Electric Products Company, Detroit, Mich. Multipole switch. 2,503,409, Apr. 11.
Plauka, John W., Plainfield, and H. D. Tucker, Union, N. J., assignors to Johns-Manville Corporation, New York, N. Y. Embossing structural panels. 2,516,254, July 25.
Plaum, Joseph B., Toronto, Ontario, Canada. Extension roller screen. 2,498,094, Feb. 21.
Plaut, Herman, Los Angeles, assignor to Aerojet Engineering Corporation, Azusa, Calif. 2,2-dinitro-1,3-propanediol and preparing same. 2,522,959, Sept. 19.
Plax Corporation, assignee: *See*—
Bailey, James, and Reber.
Canfield, Robert W., and Woodward.
Pinsky, Jules.
Wiley, Fred E.
Plaxco, William L., assignor of one-half to A. M. Berryhill, Charlotte, N. C. Antijackknife apparatus for trailer-tractor connection. 2,528,076, Oct. 31.
Plechas, Nicholas P., Compton, Calif. Vein fixator. 2,524,713, Oct. 3.
Pledger, William A., San Francisco, Calif. Automatic louver. 2,526,770, Oct. 24.
Pledger, William A., assignor to Mangrum Holbrook and Elkus, San Francisco, Calif. Ventilator device for kitchen ranges. 2,532,420, Dec. 5.
Pledger, William A., San Francisco, Calif. Ventilating device for a kitchen and a kitchen stove. 2,535,863, Dec. 26.
Plehn, Henry M., New York, N. Y. Brassière. 2,506,172, May 2.
Plehn, Henry M., New York, N. Y. Garment. 2,535,864, Dec. 26.
Plensler, Alexander W., assignor to Belmont Radio Corporation, Chicago, Ill. Tuning control apparatus. 2,503,066, Apr. 4.
Plesh, Marion, Represa, Calif. Smoking pipe. 2,534,476, Dec. 19.
Plesset, Ernst H.: *See*—
McCrumm, John D., and Plesset.
Plesset, Ernst H., Los Angeles, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Magnetic flux measuring apparatus. 2,506,433, May 2.
Plesset, Milton S., Rosemead, and T. N. Floyd, Manhattan Beach, assignors to Keller Engineering Company, Los Angeles, Calif. Refrigeration method and apparatus utilizing carbon dioxide in a solvent. 2,507,866, May 16.
Plessey Company Limited, The, assignee: *See*—
Pugh, Cyril A., and Booth.
Pletsch, Erich C., and M. Bock, II, assignors to Exomet Incorporated, Conneaut, Ohio. Foundry casting. 2,514,793, July 11.
Pletta, William H., Forest Park, and R. B. Freston, Oak Park, Ill. Apparatus for sampling material, such as coal. 2,495,944, Jan. 31.
Plitt, Albert F., Ontario, Calif. Detachable handle. 2,527,847, Oct. 31.
Plomb Tool Company, The, assignee: *See*—
Pepperdine, Ben.
Plos, Otto G., assignor to Binks Manufacturing Company, Chicago, Ill. Floc distributor. 2,503,170, Apr. 4.
Plueddemann, Edwin P., Woodbridge, N. J., assignor to Food Machinery and Chemical Corporation, New York, N. Y. Purification of alkyl and substituted alkyl phosphates. 2,494,310, Jan. 10.
Plueddemann, Edwin P., Woodbridge, N. J., assignor to Food Machinery and Chemical Corporation. Mixed alkyl benzyl phosphates and their production. 2,512,582, June 20.
Plumb, Edwin W., Morris, Conn. Work holder. 2,528,909, Nov. 7.
Plummer, Fred L., assignor to Hammond Iron Works, Warren, Pa. Fluid storage tank. 2,532,854, Dec. 5.
Plummer, Fred L., assignor to Hammond Iron Works, Warren, Pa. Internal bracing for liquid storage tanks. 2,533,041, Dec. 5.
Plummer, Harland C.: *See*—
Drake, George F., Whitehead, and Plummer.
Plummer, Hershel S.: *See*—
Bertrand, A. Disney and Plummer.
Plummer, John F., Jr., Phillipsburg, N. J., assignor to Ingersoll-Rand Company, New York, N. Y. Blanching device for food processing apparatus. 2,517,236, Aug. 1.
Plummer, Kenneth V., San Francisco, Calif., and R. D. Pike, Greenwich, Conn.; said Plummer assignor to said Pike. Method and apparatus for refrigerating railroad cars. 2,501,141, Mar. 21.
Plummer, Lloyd F., and W. B. Merrill, Dover, N. H., assignors to Moore Business Forms, Inc., Niagara Falls, N. Y. Forwarding mechanism for portable autographic registers. 2,526,967, Oct. 24.
Plunguian, Mark: *See*—
Seymour, George W., White, and Plunguian.
Plunkett, Hugh V., assignee: *See*—
Pepper, Delmar E.
Plunkett, Hugh V., Jr., assignee: *See*—
Pepper, Delmar E.
Plunkett, John A., and E. R. Dorso, Niagara Falls, N. Y. Golf club guiding device. 2,520,287, Aug. 29.
Plunkett, Roy J.: *See*—
Clem, Willis J., and Plunkett.
Plunkett, William R., Oakland, Calif. Condiment retainer and shaker. 2,514,416, July 11.
Plusje, Mathijs H. R. J., Beek, assignor to De Directie van de Staatsmijnen in Limburg, Heerlen, Netherlands. Fluorine removal process. 2,504,446, Apr. 18.
Plusje, Mathijs H. R. J., Beek, and W. van der Zalm, Geleen, assignors to De Directie van de Staatsmijnen in Limburg, Heerlen, Netherlands. Treatment of impure calcium nitrate. 2,524,174, Oct. 3.
Plymouth Industrial Products, Inc., assignee: *See*—
Hagen, Roger H.
Plywood Research Foundation, assignee: *See*—
Evans, Harold R., and Schubert.
Meiler, John G., and Bollerslev.
Pneumafil Corporation, assignee: *See*—
Bechtler, Hans C.
Pneumatic Scale Corporation, Limited, assignee: *See*—
Berthelsen, Walter.
Blackwell, Lawrence F.
Howard, Stanley R.
Howard, Stanley R., and Vergobbi.
Hultin, Oscar H.
Magnusson, Joseph.
Vergobbi, John G.
Vergobbi, Robert W.
Pneumatic Tool Sales & Repair Co., Inc., assignee: *See*—
Muller, Alois.
Poage, Robert A., Perry, Mo. Hydraulic balancing system for vehicle bodies. 2,505,256, Apr. 25.
Poage, Robert A., Ralls County, Mo. Piston and crankshaft connecting means for internal-combustion engines. 2,513,514, July 4.
Poarch, Clifford C., assignee: *See*—
Chrastina, John.
Pocahontas Fuel Company Incorporated, assignee: *See*—
Julyan, Fred G., and Schweickart.
Poch, Waldemar J., Moorestown, N. J., assignor to Radio Corporation of America. Telemetering system. 2,535,547, Dec. 26.
Pochapsky, Harry: *See*—
Schaefer, Ralph A., Mohler, and Pochapsky.
Poché, John M., assignor to Higgins, Incorporated, New Orleans, La. All purpose trailer. 2,502,024, Mar. 28.
Pocock, Lyndall C., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Moistureproof microphone. 2,521,744, Sept. 12.
Podansky, Charles, assignee: *See*—
Hodson, William T.
Podell, Howard I., Princeton, N. J. Turnbuckle or the like. 2,533,894, Dec. 12.
Podolak, Walter, assignor to Boyle-Midway Inc., Chicago, Ill. Mop swab and making it. 2,522,691, Sept. 19.
Podolsky, Leon, Pittsfield, assignor to Sprague Electric Company, North Adams, Mass. Electrical resistor and high-resistance carbon composition and resistance element therefor. 2,495,199, Jan. 17.
Poe, William A., assignor to Browne-Morse Company, Muskegon, Mich. Snap-on drawer lock. 2,528,910, Nov. 7.
Poelma, Jacob: *See*—
Gusdorf, Frederik H., Poelma, and Kuperus.
Poer, Charles E., Los Angeles, assignor, by mesne assignments, to R. A. Jacobus, Covina, Calif. Optical gauge. 2,510,479, June 6.
Poetsch, William C., assignor to Stewart-Warner Corporation, Chicago, Ill. Electric liquid level gauge. 2,508,290, May 16.
Pogany, John W., Port Townsend, Wash. Opening oysters. 2,530,783, Nov. 21.
Pogorzelski, Roman J., assignor to D. R. Middleton and S. M. Hanley, doing business as Power Equipment Company, Detroit, Mich. Voltage regulator. 2,511,219, June 13.
Pogue, Charles N., Montreal, Quebec, Canada. Liquid transferring apparatus. 2,495,905, Jan. 31.
Pogue, Robert B., West Orange, N. J., assignor to American Brake Shoe Company, New York, N. Y. Rim grip brake. 2,527,072, Oct. 24.
Pohl, Alois M., and P. H. Herber, assignors to Excelsior Machine Company, Reading, Pa. Beverage serving-bar unit. 2,497,688, Feb. 14.
Pohl, Herbert A.: *See*—
Elliott, Myron A., and Pohl.

Pohl, Robert, Birmingham, England, assignor to General Electric Company. Dynamoelectric machine commutation control means. 2,516,588, July 25.
Pohl, Wadsworth E., Los Angeles, assignor to Technicolor Motion Picture Corporation, Hollywood, Calif. Cinematographic sound-track printing. 2,495,821, Jan. 31.
Pohl, Wadsworth E., Los Angeles, assignor to Technicolor Motion Picture Corporation, Hollywood, Calif. Cinematographic matte printing. 2,535,370, Dec. 26.
Pohl, Walter M.: *See*—
Vickers, Harry F., Herman, and Pohl.
Pohlmann, Richard P., Davenport, Iowa. Sole straightener. 2,522,636, Sept. 19.
Pohm, George H., Lorain, Ohio, assignor to Lorain Products Corporation. Electric control circuit. 2,530,784, Nov. 21.
Pohrer, Joseph P., assignee: *See*—
Lindae, William H.
Poincaré, Léon: *See*—
Dumanois, Emile P., and Poincaré.
Poindexter, William V. D., Rome, Ga. Automatic stop for looms. 2,501,915, Mar. 28.
Pointer, Robert W., assignee: *See*—
Mackie, Alden W.
Pointer, Robert W., Portland, Oreg. Oscillating axle suspension. 2,493,022, Jan. 3.
Pointer, Robert W., Portland, Oreg. Resilient oscillating axle suspension. 2,493,023, Jan. 3.
Pointer, Robert W., Portland, Oreg. Dual beam vehicle suspension. 2,493,024, Jan. 3.
Pointer, Robert W., Portland, Oreg. Beam suspension for vehicles. 2,493,025, Jan. 3.
Pointer, Robert W., Portland, Oreg. Resilient suspension for vehicles. 2,493,026, Jan. 3.
Pointer, Robert W., Portland, Oreg. Brake mechanism. 2,501,578, Mar. 21.
Pointer, Robert W., Portland, Oreg. Removable axle spindle. 2,501,579, Mar. 21.
Poirier, James A., Detroit, and W. Rombach, Highland Park, Mich., said Rombach assignor to said Poirier. Roller mop wringer having carrying handle fixed to pivoted support for rollers. 2,497,468, Feb. 14.
Poirier, Leonard R., Stockton, and V. E. Provost, San Francisco, Calif. Food holding unit. 2,534,680, Dec. 19.
Poister, Clarence E., Sabetha, Kans. Match dispenser. 2,497,371, Feb. 14.
Poitras, Edward J., Holliston, Mass. Thermostatic switch. 2,496,917, Feb. 7.
Poitz, Herbert A.: *See*—
Schiermeier, Knapel F., and Poitz.
Pokigo, Francis J.: *See*—
Park, Harold F., and Pokigo.
Pokorny, Louis, Jr.: *See*—
Pokorny, Louis and Louis, Jr.
Pokorny, Louis and Louis, Jr., Ronkonkoma, N. Y. Adjustable sofa bed having shiftable frontboard. 2,505,989, May 2.
Pokras, Harry, assignor to Merit Products, Inc., Los Angeles, Calif. Sanding device. 2,533,619, Dec. 12.
Polachek, Hugo D., assignee: *See*—
Shontz, Ellsworth E.
Polacsek, Maurice, Brooklyn, N. Y. Book match. 2,527,328, Oct. 24.
Polad, Thomas H., assignor to Rudy Furnace Company, Dowagiac, Mich. Air feeding and cooled furnace front structure. 2,531,344, Nov. 21.
Polak, Joseph G., Bethlehem, Pa. Mortar mixer. 2,527,761, Oct. 31.
Polan, Alvin F., Baltimore, Md. Circular steaming unit for umbrellas. 2,534,831, Dec. 19.
Polanco, Nicholas, Miami, Fla. Camera diaphragm operating attachment. 2,496,408, Feb. 7.
Poland, Frank F., assignor to Revere Copper and Brass Incorporated, Rome, N. Y. Apparatus for melting and treating metal. 2,510,932, June 6.
Poland, Lloyd L., Boston, Mass. Driving mechanism for laundry machinery. 2,509,939, May 30.
Polard, Jean, Saint-Germain-En-Laye, assignor to Societe Anonyme dite: Compagnie Electro-Mecanique, Paris, France. Machine for inserting coils in electric stators. 2,506,173, May 2.
Polaroid Corporation, assignee: *See*—
Amon, William F., Jr.
Amon, William F., Jr., and Blout.
Bachelder, Albert J.
Baratelli, Charles A.
Barnes, Arthur.
Blake, Robert P.
Blout, Elkan R., and Amon.
Cooper, Dexter P., Jr.
Fairbank, Murry N.
Fairbank, Murry N., and Whittier.
Gannon, Millard T.
Greenhalgh, John, Pinkham, and Tomer.
Grey, David S.
Hyman, Mark, Jr., and West.
Land, Edwin H.
Land, Edwin H., Carbone, and Carrier.
Peltz, Gordon M., and Ivins.
Pinkham, Newell W.
Ryan, William H.
Wolff, Otto E.
Woodward, Robert B., and Doering.
Polcar, Marguerite, Rome, Ohio. Egg separator. 2,523,777, Sept. 26.
Polen, Percy B., assignor to The Visking Corporation, Chicago, Ill. Halogenated nitroalkane sulfonates and making same. 2,521,307, Sept. 5.
Polevitzky, Igor B., Miami, Fla. Air sterilizer and lamp. 2,500,007, Mar. 7.
Policoff, William, Wilkes-Barre, Pa. Eye molding apparatus for contact lenses. 2,501,190, Mar. 21.
Polidor, Edward C.: *See*—
De Boer, Willis, Betts, and Polidor.
Polincovsky, Jack, assignor to Latama Cutlery, Inc., New York, N. Y. Shears. 2,504,447, Apr. 18.
Polisena, Bernardo, Stockton, Calif. Article gathering apparatus. 2,515,966, July 18.
Polite, R. I., assignee: *See*—
Cook, Charles J.
Politzer, Alfred, Cleveland, Ohio, assignor to Oscar Kohorn & Co. Ltd., New York, N. Y. Treatment of viscose yarn. 2,501,090, Mar. 21.
Politzer, Eugène J., Paris, France. Lipstick and the like. 2,514,969, July 11.
Politzer, William, Le Perreux, France. Amplifying arrangement for self-synchronizing transmission systems. 2,521,994, Sept. 12.
Polivka, John N.: *See*—
Graham, Maurice H., and Polivka.
Schweiso, Clifford C., and Polivka.
Polivka, Rudolph: *See*—
Diekmann, Daniel J., and Polivka.
Polk Development Company (not incorporated), The, assignee: *See*—
Polk, Ralph, Sr., and Ralph, Jr.
Polk, Gilbert C., Detroit, assignor to American Blower Corporation, Dearborn, Mich. Dust collector. 2,515,894, July 18.
Polk, Gilbert C., Detroit, assignor to American Blower Corporation, Dearborn, Mich. Cooling means for axial fans. 2,518,815, Aug. 15.
Polk, Louis F., assignor to The Sheffield Corporation, Dayton, Ohio. Size gauging device. 2,497,236, Feb. 14.
Polk, Louis F., assignor to The Sheffield Corporation, Dayton, Ohio. Projecting, measuring, and gauging device. 2,508,797, May 23.
Polk, Ralph, Jr.: *See*—
Polk, Ralph, Sr., and Ralph, Jr.
Polk, Ralph, Sr., and R. Polk, Jr., assignors to The Polk Development Company (not incorporated), Tampa, Fla. Citrus fruit juicer. 2,533,139, Dec. 5.
Polkosnik, Bernard L., Bridgeport, Conn., assignor to General Hardware Mfg. Co. Inc., New York, N. Y. Dowelling jig. 2,522,400, Sept. 12.
Pollack, Jacob E., Dundalk, Md. Cigarette package ejector and moistener. 2,497,627, Feb. 14.
Pollak, Abraham, Linfield, Pa. Cellar-draining pump. 2,525,370, Oct. 10.
Pollak, Arthur, and H. P. Johnston, Charleston, S. C., assignors to West Virginia Pulp and Paper Company, New York, N. Y. Purification of abietic acid. 2,510,755, June 6.
Pollak, Joseph, Corporation, assignee: *See*—
Hasselbaum, Oscar H.
Pollak, Manfred J., Chicago, Ill. Ice cube loosening device. 2,508,123, May 16.
Pollak, Peter I.: *See*—
Zerner, Ernst, and Pollak.
Pollak, Richard B., Maywood, Calif. Counterliverring agent in red lead paint. 2,526,771, Oct. 24.
Pollard, Ernest, assignee: *See*—
Ecklund, Joseph E.
Pollard, Ernest C., Welcome, assignor to Super Six Mfg. Inc., Minneapolis, Minn. Wagon hoist. 2,508,537, May 23.
Pollard, Ernest I., Ridgway, assignor to Elliott Company, Jeannette, Pa. Electric generator. 2,502,669, Apr. 4.
Pollitz, Harold C., assignor to Iowa Manufacturing Company, Cedar Rapids, Iowa. Portable mixing plant. 2,493,898, Jan. 10.
Pollock, Albert E., New York, N. Y. List finder. 2,521,407, Sept. 5.
Pollock, Herbert C.: *See*—
Langmuir, Robert V., Pollock, and Westendorp.
Pollock, Latham: *See*—
Wilson, Eldon M., and Pollock.
Pollock, Latham, assignor to Century Engineering Company, Los Angeles, Calif. Motion-picture camera accessory for making titles and special effects. 2,505,990, May 2.
Pollock, Mark, and E. Zerner, assignors to Sun Chemical Corporation, New York, N. Y. Materials for imparting water repellency to textile materials and producing and using the same. 2,493,360, Jan. 3.
Pollock, Martin S., New York, N. Y. Telephone index device. 2,524,209, Oct. 3.
Pollock, Miriam S. and M. P., Brookline, Mass. Educational flag. 2,529,628, Nov. 14.
Pollock, Morris P.: *See*—
Pollock, Miriam S. and M. P.
Pollock, Robert, North Wembley, assignor to Masteradio Limited, Watford, England. Vibrator-operated electric power converting apparatus. 2,518,061, Aug. 8.
Pollopas Patents Limited, assignee: *See*—
Montrose-Oster, Louis E. W.

Pollux-Trust, assignee: *See*—
Müller, Jeanette.

Polly, Orville L., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Production of succinic acid. 2,533,620, Dec. 12.

Polsen, Blanche H., assignee: *See*—
Polsen, Samuel D., and Nelson.

Polsen, Samuel D., and S. H. Nelson, assignor to one-fourth to B. H. Polsen, one-fourth to M. P. Nelson, one-fourth to said S. H. Nelson, and one-fourth to N. H. Nelson, Bridgeport, Conn. Machine for making collapsible and expansible tubes. 2,508,798, May 23.

Polson, Reginald A., Flixton, Manchester, and C. Dannatt, Hale, assignors to Metropolitan-Vickers Electrical Company Limited, London, England. Power-driven aligning mechanism control system dependent upon a time derivative of the displacement. 2,533,042, Dec. 5.

Poltorak, Emil J., Somerville, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Ring packing and making the same. 2,533,742, Dec. 12.

Polydoroff, Wladimir J., Glencoe, Ill. Very high frequency variable inductor. 2,518,930, Aug. 15.

Polye, William R., River Edge, assignor to Bendix Aviation Corporation, Teterboro, N. J. Electric resistor control device. 2,525,179, Oct. 10.

Polymer Corporation, The, assignee: *See*—
Stott, Louis L.

Polymerisable Products Limited, assignee: *See*—
Bergmann, Ernst.
Weizmann, Charles.

Polymerization Process Corporation, The, assignee: *See*—
Hughes, Everett C., and Stine.
Layng, Edwin T.

Polytechnic Institute of Brooklyn, assignee: *See*—
Hohenstein, Walter P.
Johnson, Stanley A., and Schleuning.
Weber, Ernst, and Griemsmann.
Weber, Ernst and Johnson.

Polzin, Marvin H.: *See*—
Jonard, Howard A., and Polzin.

Pomatico, Thomas C.: *See*—
De Vincent, Michael J., and Pomatico.

Pomerance, Elsie, administratrix: *See*—
Pomerance, Samuel A.

Pomerance, Samuel A., deceased, Hempstead, N. Y.; E. Pomerance, administratrix of said S. A. Pomerance. Airplane hanger. 2,520,055, Aug. 22.

Pomerantz, A. & Company, assignee: *See*—
Neal, Ray L.

Pomerantz, Martin A., Philadelphia, Pa. Thermionic electron emitter. 2,501,089, Mar. 21.

Pomernacki, Valerius, Chicago, Ill. Automobile foot-pedal safety control. 2,514,414, July 11.

Pomés, Carlos E., Chicago, Ill. Apparatus for investing under vacuum dental wax patterns or any other type of pattern. 2,507,867, May 16.

Pomykala, Edmund S., U. S. Navy. Underground storage tank. 2,531,742, Nov. 28.

Poncelet, Gaëtan A., Brussels-Ixelles, Belgium, assignor to G. C. G. Klein, Weert, Netherlands. Extrusion press. 2,535,865, Dec. 26.

Poncy, George W., Jackson Heights, N. Y. Drinking tumbler for children. 2,509,275, May 30.

Pond, Bertram P., Longmeadow, E. E. Vincent, and W. H. De Lancey, assignors to Engineering Products, Inc., Springfield, Mass. Fluid pump. 2,516,589, July 25.

Pond, Charles P., Dallas, Tex. Apparatus for teaching acrobatics. 2,496,748, Feb. 7.

Pond, Chester C., Melrose Park, assignor to The International Electronics Company, Philadelphia, Pa. Equalizer for supporting magnetic recording and erasing heads. 2,530,029, Nov. 14.

Pond, Gervis A., Whitman, assignor to Ball-Square Manufacturing Corp., Somerville, Mass. Imprinting machine. 2,527,030, Oct. 24.

Pond, Harold W., Elyria, Ohio. Golf training device. 2,528,077, Oct. 31.

Pond Lily Company, The, assignee: *See*—
Edelstein, Oscar.

Pond, William B.: *See*—
Carroll, Fred M., Bakelaar, and Pond.

Pond, William B., Arcadia, assignor to Transresearch of California, Pasadena, Calif. X-ray radiation time recorder and controller. 2,528,545, Nov. 7.

Ponstingl, John C.: *See*—
Hanna, Raymon P., and Ponstingl.

Ponsy, Louis E.: *See*—
Bessière, Pierre E., and Ponsy.

Ponte, Maurice: *See*—
Dauvillier, Alexandre, and Ponte.
Ortusi, Antoine J., and Ponte.

Ponte, Maurice, and A. J. Ortusi, Paris, France, assignors to Compagnie Generale de Telegraphie Sans Fil. Direct modulation of an ultra-short wave transmitter. 2,518,371, Aug. 8.

Pontecorvo, Bruno, Montreal, Quebec, Canada, assignor to Well Surveys, Incorporated, Tulsa, Okla. Geophysical prospecting. 2,508,772 May 23.

Pontecorvo, Paul J.: *See*—
Sprague, Robert M., and Pontecorvo.

Pontius, Frank E., Los Angeles, Calif., assignor to Radio Corporation of America. Multiple magnetic head mount. 2,530,584, Nov. 21.

Pontius, George W., III, South Bend, Ind. Brake pressure selector device. 2,526,968, Oct. 24.

Pontius, John C.: *See*—
Cole, Dana W., Gull, Pontius, and Rug.

Ponty, Carleton F., Durham, N. C. Joint. 2,520,221, Aug. 29.

Pool, John E., Washington, D. C. Mine clearing snake. 2,511,005, June 13.

Pool, Ralph T., Toledo, Ohio. Collating board. 2,520,854, Aug. 29.

Pool, Stephen C., assignor to Eastman Kodak Company, Rochester, N. Y. Silver recovery. 2,507,175, May 9.

Pool, Stuart D., and G. W. Pearson, Moline, Ill., assignors to International Harvester Company. Pickup attachment for harvesters. 2,513,966, July 4.

Pool, William, and E. J. Upton, Spondon, near Derby, England, assignors to Celanese Corporation of America. Production of artificial materials. 2,517,711, Aug. 8.

Poole, Arthur B., Harwinton, and P. H. Morganson, assignors to The William L. Gilbert Clock Corporation, Winsted, Conn. Automatic electric toaster and the like. 2,532,569, Dec. 5.

Poole, Donald C. E.: *See*—
Wilson, Walter D., and Poole.

Poole, Douglas L.: *See*—
Pinardi, Charles P., and Poole.

Poole, Foster M.: *See*—
Gaumer, John F., and Poole.

Poole, Harry P.: *See*—
McConnell, Nealy C., Mims, Poole, and Lanier.

Poole, Henry G., and S. F. Ravitz, Salt Lake City, Utah, and K. C. Dean, Bamberg, Germany, assignors to the United States of America as represented by the Secretary of the Interior. Nickel recovery. 2,520,958, Sept. 5.

Poole, James P., State College, assignor to Brockway Glass Co., Inc., Brockway, Pa. Glass-sand treatment. 2,523,996, Sept. 26.

Poole, Lloyd C., Lakewood, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Register regulator for printing presses. 2,497,909, Feb. 21.

Poole, Sam, Newark, N. J., and N. R. Kolansky, Brooklyn, N. Y. Sanitary receptacle. 2,527,449, Oct. 24.

Poor & Company, assignee: *See*—
Bates, Sidney E.
Chester, Allan E.
Chester, Allan E., and Reisinger.
Hamilton, Perry H.
McLaughlin, Richard A.
Moore, George L., and Steele.
Moore, Philip W., Jr.
Thonger, Thurland G.

Poor, Edward N., Stamford, and C. G. Landes, New Canaan, Conn., assignors to American Cyanamid Company, New York, N. Y. Color stabilized rosin size. 2,502,883, Apr. 4.

Poor, Edward N., Stamford, and C. G. Landes, New Canaan, Conn., assignors to American Cyanamid Company, New York, N. Y. Color stabilized rosin size. 2,502,884, Apr. 4.

Poor, Henry I., La Fayette, Ind., assignor of one-fourth to J. P. Sampson, Santa Monica, Calif. Apparatus for the treatment of intermittent claudication. 2,528,843, Nov. 7.

Poor, Henry I., West Lafayette, Ind., assignor of one-quarter to J. P. Sampson, Santa Monica, Calif. Therapeutic apparatus. 2,533,504, Dec. 12.

Pope, Claude E., Oakland, Calif. Apparatus and method for locating pipes. 2,521,745, Sept. 12.

Pope, James K., Pleasant Ridge, Mich. Air gun projectile holder. 2,505,428, Apr. 25.

Pope, William H., Winston-Salem, N. C. Combination flashlight, eyepiece, and headgear. 2,531,585, Nov. 22.

Pope, Winslow B., Detroit, Mich., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Jet-adjusting means. 2,503,684, Apr. 11.

Pophal, Eric G., St. Pauls, N. C. Temperature controlled seat structure. 2,521,091, Sept. 5.

Popky, Louis L.: *See*—
Schmidt, Joseph J., and Popky.

Popowich, Nicholas J., Jersey City, N. J. Thumb turn button. 2,507,932, May 16.

Popp, Arthur M., Snyder, assignor to Pierce Renewable Fuses, Inc., Buffalo, N. Y. Electric fuse. 2,502,747, Apr. 4.

Popp, Rudolf, and M. C. Carlson, assignors to McGill Manufacturing Company, Inc., Valparaiso, Ind. Protector for vaporproof lamps. 2,514,164, July 4.

Popper, Otto, and G. K. Melvill, Johannesburg, Transvaal, Union of South Africa, said Melvill assignor to said Popper. Apparatus for making intravaginal packs. 2,495,420, Jan. 24.

Poppie, Alfred J., San Francisco, Calif., assignor of one-fifteenth to W. G. Poppie, one-fifteenth to J. H. Poppie, Victor, Mont., one-fifteenth to M. D. Kellogg and two-fifteenths to R. F. Poppie, San Francisco, Calif. Sugar beet pickup machine. 2,535,598, Dec. 26.

Poppie, John H., assignee: *See*—
Poppie, Alfred J.

Poppie, Ruth F., assignee: *See*—
Poppie, Alfred J.

Poppie, Wilford G., assignee: *See*—
Poppie, Alfred J.

Porges, Frederick B., assignor to Flexibox Limited, Manchester, England. Mechanical seal. Re. 23,189, Jan. 10.
Porges, Nandor, Newark, N. J., and J. T. Hogan, New Orleans, La., said Hogan assignor to said Porges. Planimeter. 2,495,675, Jan. 24.
Poritz, Nathan, Brooklyn, N. Y. Educational device. 2,503,130, Apr. 4.
Porocel Corporation, assignee: *See*—
Heinemann, Heinz.
La Lande, William A., Jr.
Porreca, Nicholas M.: *See*—
Alifano, Antonio, and Porreca.
Porritt, Cyril P. D., assignor to R. R. Whitehead & Brothers Limited, Greenfield, near Oldham, England. Manufacture of felted material. 2,508,968, May 23.
Porro, Frank, Joliet, Ill. Rethreading tool. 2,508,291, May 16.
Porsche, Jules D.: *See*—
Sifferd, Robert H., and Porsche.
Port, Frederick J., Jr.: *See*—
Nelson, James A., and Port.
Port, Frederick J., Jr., Chicago, G. W. Kamin, Lombard, and A. Zaltzman, assignors to Cribben and Sexton Company, Chicago, Ill. Oven door with transparent panel. 2,514,590, July 11.
Port, Richard A., Decatur, Ga., assignor, by mesne assignments, to International Paper Company, New York, N. Y. Bag closure. 2,527,073, Oct. 24.
Port, Richard A., Decatur, Ga., assignor, by mesne assignments, to International Paper Company, New York, N. Y. Bag closure. 2,527,074, Oct. 24.
Portable Industries, Inc., assignee: *See*—
Temple, Stanley A.
Portella, Celedonio V., Barcelona, Spain. Starter switch for split phase motors. 2,511,799, June 13.
Porteous, William K., St. Margarets, assignor of fifteen one-hundredth to Towler & Sons Limited, London, England. Control system for regulating the rate of flow of liquids or other materials capable of flowing. 2,524,540, Oct. 3.
Porter, Archie B., Hewlett, N. Y., assignor to Nopco Chemical Company, Harrison, N. J. Extraction of unsaponifiables from wool grease. 2,499,877, Mar. 7.
Porter-Cable Machine Company, assignee: *See*—
Emmons, Arthur N.
Emmons, Arthur N., and Enlund.
Zasadny, Peter and Z.
Porter, Carl W., Alexandria, Va. Foldable roasting spit. 2,535,548, Dec. 26.
Porter, Charles A., Chicago, and M. M. Marisic, Northfield, assignors to The Pure Oil Company, Chicago, Ill. Sulfur vaporization. 2,508,292, May 16.
Porter, Charles A., West Caldwell, assignor to Resistoflex Corporation, Belleville, N. J. Polyvinyl alcohol compositions containing corrosion inhibitor. 2,531,700, Nov. 28.
Porter, Daryl W., and O. F. Roehler, Zanesville, Ohio; said Porter assignor to said Roehler. Posthole digger. 2,493,261, Jan. 3.
Porter, Donald A., and E. E. Shelden, Douglas, Wyo. Electrical contact for conveying lighting current to lamps on a tiltable truck body when the body is in the lowered position. 2,526,501, Oct. 17.
Porter, Edward P., Jr.: *See*—
Davis, Pearl D., and Porter, Jr.
Porter, Frank, Morristown, and J. N. Cosby, Morris Plains, N. J., assignors to Allied Chemical & Dye Corporation, New York, N. Y. Purifying crude acetophenone. 2,507,048, May 9.
Porter, Frank, Morristown, M. Erchak, Jr., and J. N. Cosby, Morris Plains, N. J., assignors to Allied Chemical & Dye Corporation, New York, N. Y. Production of nitriles. 2,510,605, June 6.
Porter, Frank, Morristown, N. J., M. Bumpus, Madison, Wis., and J. N. Cosby, Morristown, N. J., assignors to Allied Chemical & Dye Corporation, New York, N. Y. Preparation of pyridine carboxylic acids. 2,513,251, June 27.
Porter, Frank R., Crown Point, Ind., assignor, by mesne assignments, to G. N. Hibben, Chicago, Ill., as trustee. Enameled article. 2,495,762, Jan. 31.
Porter, Frank R., Crown Point, Ind., assignor to G. N. Hibben, Chicago, Ill., as trustee. Enameled articles. 2,495,837, Jan. 31.
Porter, Garrett H.: *See*—
Evans, Edmund A., and Porter.
Porter, Glen H., Santa Ana, Calif. Ball operated climbing toy. 2,495,982, Jan. 31.
Porter, H. K., Inc., assignee: *See*—
Geddes, John W.
Geddes, John W., and Tibbetts.
Porter, Hallie, assignor to Marshall Crummie, Chicago, Ill. Signal light projection device. 2,500,201, Mar. 14.
Porter, Harold M., assignor to The Mitchel-Tyler Company, Hagerstown, Md. Microscope auxiliary stage with electrodes. 2,498,220, Feb. 21.
Porter, Harry F., Elkins Park, Pa. Magnetic transducing head. 2,523,515, Sept. 26.
Porter, Henry H., Chicago, Ill., assignor to the United States of America as represented by the Secretary of the Navy. Apparatus for determining conditions within a gun barrel. 2,517,133. Aug. 1.
Porter, Homer, National City, Calif. Brake shoe anchoring means. 2,528,707, Nov. 7.
Porter, James, New Cumberland, W. Va. Glazing knife. 2,528,911, Nov. 7.
Porter, John L., Palo Alto, Calif., assignor to Kaiser Aluminum & Chemical Corporation. Production of magnesium phthalocyanine. 2,502,748, Apr. 4.
Porter, John M., Fort Myers, Fla. Spark plug gap tester. 2,517,237. Aug. 1.
Porter, Louis M., Independence, Mo. Vent structure for incubators. 2,521,308, Sept. 5.
Porter, Malcolm E., assignor to The Lobl Manufacturing Company, Middleboro, Mass. Cord-type electric switch. 2,504,873, Apr. 18.
Porter, Oscar S.: *See*—
Loewer, Henry F., and Porter.
Porter, Percy L., assignee: *See*—
Armstrong, Arthur D.
Porter, Percy L., Hayward, Calif. Recoil reducer. 2,522,192, Sept. 12.
Porter, Ralph W., Jr., Cambridge, and C. M. Jones, Chelsea, Mass. Solution for plating metals with gold. 2,501,737, Mar. 28.
Porter, Robert P., Pierre, S. Dak. Automatic windrow trip for self-dump rakes. 2,502,276. Mar. 28.
Porter, Sidney C., Newell, W. Va. Nesting metal pallet. 2,503,562, Apr. 11.
Porter, Wellington W., Junius, N. Y. Pea harvester and loading machine. 2,524,077, Oct. 3.
Porter, William E., Tacoma, Wash. Hand carried seed and fertilizer spreader. 2,495,906, Jan. 31.
Porter, William L.: *See*—
Couch, James F., Krewson, and Porter.
Couch, James F., Naghski, and Porter.
Krewson, Charles F., Naghski, and Porter.
Portlock, Miles F., Jr.: *See*—
Gilliam, Fenton O., Jr., Portlock, Jr., and Branch.
Portmann, Milton C., Jr., and W. J. Wagner, assignors to The Wagner-Portmann Company, Cleveland, Ohio Apparatus for molding or casting articles. 2,510,716, June 6.
Portnow, Moris, New York, N. Y. Truss. 2,523,232, Sept. 19.
Portnoy Garment Company, assignee: *See*—
Senter, Lloyd W.
Porvasnik, John A., Westlake, assignor to The Harshaw Chemical Company, Elyria, Ohio. Preparing basic salt compositions. 2,493,262, Jan. 3.
Porzer, Ralph E.: *See*—
Baruch, Alan P., and Porzer.
Jackson, William W., and Porzer.
Posada, Victor M., San Salvador, El Salvador. Hand feeder for soldering irons. 2,510,518, June 6.
Posch, August, Pittsburgh, Pa. Replaceable holder for caster sockets. 2,532,937, Dec. 5.
Poschen, Julius P., East Brookline, Pa. Metal weather stripping. 2,519,977, Aug. 22.
Posen, Sam, assignor to Beltone Hearing Aid Co., Chicago, Ill. Wearable electronic hearing aid having the amplifier and the batteries contained in a common casing. Re. 23,203, Mar. 7.
Posen, Sam, and H. E. Hanson, assignors, by mesne assignments, to Beltone Hearing Aid Co., Chicago, Ill. Wearable electronic hearing aid having a unitary casing for the batteries and the amplifier. 2,495,476, Jan. 24.
Posen, Sam, and H. E. Hansen, assignors to Beltone Hearing Aid Co., Chicago, Ill. Hearing aid chassis. 2,495,546, Jan. 24.
Posey, William T., Schenectady, N. Y., assignor to General Electric Company. Metal envelope electric discharge device. 2,499,197. Feb. 28.
Poskin, Irvin C., Los Angeles, Calif. Combination leg and catch for davenports. 2,494,105, Jan. 10.
Poskin, Irvin C., Los Angeles, Calif. Combination adjustable back and bed chair. 2,515,261, July 18.
Poslusny, John, Chicago, Ill. Eye training device. 2,505,340, Apr. 25.
Posnansky, Karl W., Stamford, Conn. Preparing solutions of solid vulcanized oils. 2,523,446. Sept. 26.
Posner, Kurt, London, England, now by change of name J. K. Power. Method and appartus for manufacturing containers. 2,503,171, Apr. 4.
Poss, Harvey, St. Matthews, Ky., assignor to Curtiss-Wright Corporation. Patching. 2,512,469. June 20.
Posson, Chester A., Chicago, Ill. Cylindrical slide rule. 2,526,408. Oct. 17.
Post, Abraham, and J. Goldstein, Brooklyn, N. Y. Toe clip for roller skates. 2,516,644, July 25.
Post, Ernest R., Washington, D. C. Pin inserting device. 2,510,137, June 6.
Post, Frank B., Denver, Colo. Mixer bowl cover. 2,504,727. Apr. 18.
Post, George B., Great Neck, N. Y. Hoisting and launching means for boats. 2,530,840, Nov. 21.
Postell, Archie, Sherman Oaks, Calif. Holder for a stack of sheets. 2,500,468, Mar. 14.
Posten, Samuel: *See*—
Brady, James M.
Poster Products, Inc., assignee: *See*—
Nielsen, John V.
Posthumus, Klaas, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Antenna system. 2,494,198, Jan. 10.

Posthumus, Klaas, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Circuit for converting a voltage of given shape into a voltage of different shape. 2,500,863, Mar. 14.

Posthumus, Klaas, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Receiver for pulse modulated waves. 2,507,176, May 9.

Posthumus, Klaas, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Multiples pulse distributing system. 2,508,538, May 23.

Posthumus, Klaas, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Radiating termination for a rhombic antenna. 2,517,238, Aug. 1.

Posthumus, Klaas, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Device comprising a magnetron tube. 2,525,721, Oct. 10.

Posthumus, Klaas, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Transmitting device. 2,534,624, Dec. 19.

Postma, Frank, Paterson, N. J. Typewriter line scribing device. 2,494,056, Jan. 10.

Posz, Robert M., Glendale, Calif. Folding bed rest. 2,529,350, Nov. 7.

Posznicki, Frank, assignee: *See*—
Bardega, Joseph.

Potdevin Machine Company, assignee: *See*—
Bechle, Rudolph P.
Richmond, Robert L.

Potstada, George, Oakland, Calif.; M. Potstada, administratrix of said G. Potstada, deceased. Air operated shears. 2,493,696, Jan. 3.

Potstada, Magdalena, administratrix: *See*—
Potstada, George.

Potter, Charles P., Toronto, Ontario, Canada. Calendar charactered slide type. 2,499,329, Feb. 28.

Potter, David M., Plainfield, N. J. Nutcracker. 2,523,997. Sept. 26.

Potter, Earl F.: *See*—
Williams, Kenneth T., and Potter.

Potter, Edward, and J. J. Runstein, Portland, Oreg. Clip board for handcarts. 2,523,590, Sept. 26.

Potter, Elbert R., assignor of one-half to N. E. Drabb, San Francisco, Calif. Hair drier. 2,496,232, Jan. 31.

Pottel, Irving B. and W., Montreal, Quebec, Canada. End and bottom wall construction for handbags. 2,517,923, Aug. 8.

Pottel, William: *See*—
Pottel, Irving B. and W.

Potter, James A., Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Current supply apparatus. 2,516,799, July 25.

Potter, John F., and M. D. Rigterink, Summit, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Method and composition for making ceramic articles. 2,519,280, Aug. 15.

Potter, John J.: *See*—
Wheatley, Ernest, and Potter.

Potter, John T., New York, N. Y. Electronic totalizer. 2,523,516, Sept. 26.

Potter, John T., New York, N. Y. Counting and batching device. 2,523,517, Sept. 26.

Potter, John T., Sands Point, N. Y. Trigger circuit. 2,512,750, June 27.

Potter, John W., Byron, Ill. Tractor hitch. 2,523,591, Sept. 26.

Potter, Ralph K.: *See*—
Barney, Harold L., Peterson, Potter, and Sears.

Potter, Ralph K., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Visual representation of complex waves. 2,500,431, Mar. 14.

Potter, Ralph K., Morristown, N. J., assignor to Bell Telephone Labortories, Incorporated, New York, N. Y. Magnetic transducing system. 2,531,642, Nov. 28.

Potter, Ralph K., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Visualization of complex waves. 2,532,731, Dec. 5.

Pottharst, John E., Jr., New Orleans, La. Evaporator. 2,509,108, May 23.

Pottle, Ralph K., assignor to American Can Company, New York, N. Y. Apparatus for lining can ends. 2,516,908, Aug. 1.

Pottmeyer, Edward W., assignor to Blaw-Knox Company, Pittsburgh, Pa. Reversing valve. 2,525,826, Oct. 17.

Potts, Clarence P., Macon, assignor to Safety Tire Gauge, Inc., Atlanta, Ga. Tire pressure gauge. 2,529,813, Nov. 14.

Potts, Clarence P., Macon, Ga., S. E. Ellerbe, Dotham, Ala., and R. A. Hall, Chamblee, assignors to Safety Tire Gauge, Inc., Atlanta, Ga. Electric pressure device. 2,510,785, June 6.

Potts, Herbert J., Pelham Manor, assignor to Alexander Smith & Sons Carpet Company, Yonkers, N. Y. Traveler for ring twisters. 2,520,471, Aug. 29.

Potts, Lawrence D., Kenmore, N. Y., assignor to The Linde Air Products Company. Fluid balancing means. 2,502,173, Mar. 28.

Potts, Louis M., deceased, by M. W. C. Potts, executrix, Evanston, assignor to Teletype Corporation, Chicago, Ill. Audible telephonic line identification. 2,499,776, Mar. 7.

Potts, Louis M., deceased, by M. W. C. Potts, executrix, Evanston, assignor to Teletype Corporation, Chicago, Ill. Mechanical ciphering unit. 2,504,044, Apr. 11.

Potts, Louis M., deceased, by M. W. C. Potts, executrix, Evanston, assignor to Teletype Corporation, Chicago, Ill. Synchronizing unit. 2,505,722, Apr. 25.

Potts, Louis M., deceased, Evanston, Ill., by M. W. C. Potts, executrix, Evanston, assignor to Teletype Corporation, Chicago, Ill. Error detecting code system. 2,512,038, June 20.

Potts, Louis M., deceased, by M. W. C. Potts, executrix, Evanston, assignor to Teletype Corporation, Chicago, Ill. Mechanical chain linkage system for mechanical ciphering units. 2,522,461, Sept. 12.

Potts, Louis M., deceased, by M. W. C. Potts, executrix, Evanston, assignor to Teletype Corporation, Chicago, Ill. Combined telephone and telegraph system. 2,522,462, Sept. 12.

Potts, Louis M., deceased, by M. W. C. Potts, executrix, Evanston, assignor to Teletype Corporation, Chicago, Ill. Receptacle for magnetizable record strips. 2,522,463, Sept. 12.

Potts, Louis M., deceased, late of Evanston, Ill.; by M. W. C. Potts, executrix, Evanston, assignor to Teletype Corporation, Chicago, Ill. Mechanical ciphering unit. 2,525,941, Oct. 17.

Potts, Louis M., deceased, Evanston, Ill., by M. W. C. Potts, executrix, Evanston, assignor to Teletype Corporation, Chicago, Ill. Mechanical ciphering unit. 2,531,528, Nov. 28.

Potts, Martha W. C., executrix: *See*—
Potts, Louis M.

Potts, Oliver F., Kenmore, assignor to J. H. Williams & Company, Buffalo, N. Y. Spatter shield for C-clamps. 2,528,666, Nov. 7.

Potts, Phil S., Fort Wayne, Ind., assignor to General Electric Company. Dynamoelectric machine with bearing cooling means. 2,521,535, Sept. 5.

Potts, Ralph H., La Grange, assignor to Armour and Company, Chicago, Ill. Separating aliphatic nitriles, water, ammonia, and hydrogenation-inhibiting impurities. 2,504,045, Apr. 11.

Potts, Ralph H., La Grange, assignor to Armour and Company, Chicago, Ill. Manufacture of nitriles. 2,524,831, Oct. 10.

Potts, Ralph H., La Grange, and C. E. Morris, assignors to Armour and Company, Chicago, Ill. Hydrogenating and deodorizing edible oils. 2,521,602, Sept. 5.

Pouchnik, Lawrence J., Milwaukee, and J. B. Welch, Wauwatosa, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Tubular heater terminal seal. 2,527,890, Oct. 31.

Pough, George A.: *See*—
Pough, John A. and G. A.

Pough, John A. and G. A., Bridgeport, Conn. Foot exerciser. 2,510,193, June 6.

Pouit, Robert, Lyon, assignor to Societe Industrielle Generale de Mecanique Appliquee (S. I. G. M. A.), Villeurbanne, France. Motor-compressor power plant, including a turbine-compressor group and a receiver. 2,503,410, Apr. 11.

Pouit, Robert, Lyon, assignor to Societe Industrielle Generale de Mecanique Appliquee (S. I. G. M. A.), Villeurbanne, France. Aircraft power plant with motor-compressor group and turbo-compressor group. 2,518,062, Aug. 8.

Poukhalo-Poukhlovsky, Alexis, Paris, France, assignor of one-half to K. P. Puchlowski, Pittsburgh, Pa. Protective apparatus for refrigerating systems. 2,532,074, Nov. 28.

Poulter, Thomas G., Chelmsford, assignor to Marconi's Wireless Telegraph Company Limited, London, England. Motor stop-start arrangement for telegraph receivers. 2,495,131, Jan. 17.

Poulton, Ernest R., assignor to W. Poulton, Orlando, Fla. Angle measuring instrument. 2,500,137, Mar. 7.

Poulton, Ernest R., assignor to W. Poulton, Orlando, Fla. Angle measuring instrument. 2,500,138, Mar. 7.

Poulton, Wilma, assignee: *See*—
Poulton, Ernest R.

Pound, Robert V., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Electrical breakdown device. 2,499,777, Mar. 7.

Pound, Robert V., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Wave guide mixer. 2,518,931, Aug. 15.

Poupitch, Ouglјesa J., assignor to Illinois Tool Works, Chicago, Ill. Fastener unit. 2,498,221, Feb. 21.

Poupitch, Ouglјesa J., assignor to Illinois Tool Works, Chicago, Ill. Detachable bracket. 2,498,623. Feb. 21.

Poupitch, Ouglјesa J., assignor to Illinois Tool Works, Chicago, Ill. Stud fastened molding clip. 2,500,377, Mar. 14.

Poupitch, Ouglјesa J., assignor to Illinois Tool Works, Chicago, Ill. Adjustable stud fastener. 2,504,087, Apr. 11.

Poupitch, Ouglјesa J., assignor to Illinois Tool Works, Chicago, Ill. Drive fastener. 2,509,192, May 23.

Poupitch, Ougljesa J., assignor to Illinois Tool Works, Chicago, Ill. Drive fastener. 2,511,512, June 13.
Poupitch, Ougljesa J., assignor to Illinois Tool Works, Chicago, Ill. Drive stud fastener. 2,513,105, June 27.
Poupitch, Ougljesa J., assignor to Illinois Tool Works, Chicago, Ill. Spring clip for molding strips and the like. 2,515,895, July 18.
Poupitch, Ougljesa J., assignor to Illinois Tool Works, Chicago, Ill. Button structure. 2,520,781, Aug. 29.
Pourch, Helen: *See*—
Pourch, Sidney and H.
Pourch, Sidney and H., New York, N. Y. Baby travel chamber. 2,498,576, Feb. 21.
Pourciau, Louis L., and R. L. Garman, Pleasantville, N. Y., assignors to General Precision Laboratory, Incorporated. Low-frequency power amplifier. 2,529,459, Nov. 7.
Poux, Noel J., Meadville, Pa., assignor to Talon, Inc. Pull for slide fasteners. 2,497,740, Feb. 14.
Poux, Noel J., Meadville, Pa., assignor to Talon, Inc. Separable end connection for slide fasteners. 2,502,885, Apr. 4.
Poux, Noel J., Meadville, Pa., assignor to Talon, Inc. Slide fastener. 2,511,414, June 13.
Poux, Noel J., Meadville, Pa., assignor to Talon, Inc. Slider for slide fasteners. 2,521,651, Sept. 5.
Pouzet, Georges, assignor to Compagnie Generale D'Electricite, Paris, France. Insulating head for electric cables under high pressure. 2,509,523, May 30.
Pouzet, Georges, assignor to Compagnie Generale D'Electricite, Paris, France. Flexible junction for submarine cables. 2,509,524, May 30.
Poverello, Dante: *See*—
De Vincenzi, Charles E., and Poverello.
Povey, Harry, assignee: *See*—
Turner, Frank G.
Powdrill, Grover C., assignee: *See*—
Garnett, Clarence.
Powell, Alfred R., assignor to Koppers Company, Inc., Pittsburgh, Pa. Coking process. 2,495,763, Jan. 31.
Powell, Angle W., Sr., San Antonio, Tex. Practice golf tee. 2,494,197, Jan. 10.
Powell, Charles K., assignor to Chestnut Farms-Chevy Chase Dairy Company, Washington, D. C. Egg candling machine. 2,520,610, Aug. 29.
Powell, Douglas W., Yakima, Wash. Mechanical pencil. 2,502,277, Mar. 28.
Powell, Edward R.: *See*—
Stafford, William L., and Powell.
Powell, Edward R., Plainfield, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Forming mineral wool products. 2,503,067, Apr. 4.
Powell, Edward R., North Plainfield, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Method and apparatus for fiberizing molten material. 2,520,168, Aug. 29.
Powell, Edward R., North Plainfield, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Method and apparatus for fiberizing molten material. 2,520,169, Aug. 29.
Powell, Edward R., North Plainfield, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Method and apparatus for producing mineral wool. 2,529,962, Nov. 14.
Powell, Elno M., Chappaqua, and V. Z. Caracristi, Bronxville, N. Y., assignors to Combustion Engineering-superheater, Inc. Gas and air mixing device. 2,520,692, Aug. 29.
Powell, George T., Jr., Louisville, Ky., assignor to Reynolds Metals Company, Richmond, Va. Metal bottle case. 2,534,879, Dec. 19.
Powell, Gordon F. W.: *See*—
Harvey, Valentine P., and Powell.
Harvey, Valentine P., Powell, and Wood.
Powell, Herman, Chicago, assignor to Columbia Enterprises, Grayslake, Ill. Light holder for cameras. 2,532,075, Nov. 28.
Powell, Jess A., San Antonio, Tex. Stock feeding appliance. 2,512,260, June 20.
Powell, John, Kokomo, Ind. Seed planting machine. 2,532,191, Nov. 28.
Powell, John, Kokomo, Ind. Seed planting machine. 2,532,192, Nov. 28.
Powell, Jonathan S., Jr., South Pasadena, Calif. Apparatus for developing film. 2,522,763, Sept. 19.
Powell, Joseph R., and H. R. Fulton, Dormont, Pa., assignors to Bailey Meter Company. Vapor temperature control. 2,526,898, Oct. 24.
Powell, Maurice G., Bound Brook, N. J., assignor to American Cyanamid Company, New York, N. Y. Production of a light-fast azoic pigment. 2,517,924, Aug. 8.
Powell, Neil E., and E. McCown, San Diego, Calif. Automatic fishing apparatus. 2,523,592, Sept. 26.
Powell, Paul R.: *See*—
Nelson, Oscar G., and Powell.
Powell, West S.: *See*—
Renner, Hayden H., Schneider and Powell.
Powell, William B.: *See*—
Boyce Boykin B., and Powell.
Powell, William E., assignor to Gifford-Hill Pipe Company, Dallas, Tex. Machine for forming concrete pipe bends. 2,508,293, May 16.
Powell, Wilson M., Berkeley, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Apparatus for measuring local variations in flux density in a magnetic field. 2,530,176, Nov. 14.
Powell, Winfred T., Rochester, N. Y., assignor to Stromberg-Carlson Company. All relay telephone selector switch. 2,513,048, June 27.
Powell, Winfred T., Rochester, N. Y., assignor to Stromberg-Carlson Company. Automatic combined coder and timed release telephone system. 2,513,049, June 27.
Powell, Winfred T., Rochester, N. Y., assignor to Stromberg-Carlson Company. All-relay automatic and manual telephone system having butt-in and alarm features. 2,516,645, July 25.
Power, Augustine, New York, N. Y. Putty gun. 2,496,233, Jan. 31.
Power Brake Parts Manufacturing Company, assignee: *See*—
Neff, Henry W.
Osburn, Howard W.
Power Development Company, Inc., The, assignee: *See*—
Zipf, Edward H.
Power Equipment Company, assignee: *See*—
Pogorzelski, Roman J.
Power, Ernest B., Kenton, England, assignor to General Electric Company. Electric discharge device. 2,504,581, Apr. 18.
Power-Gas Corporation Limited, The, assignee: *See*—
Bone, James G.
Power, James E., East Bridgewater, Mass. Toolholder. 2,515,469, July 18.
Power, James T., assignor to Atlas Powder Company, Wilmington, Del. Detonator. 2,495,868, Jan. 31.
Power Jets (Research & Development) Limited, assignee: *See*—
Constant, Hayne.
Earl, Allan G.
Feilden, Geoffrey B. R.
Hawthorne, William R.
Kestell, Thomas A.
Lloyd, Peter, and Richards.
Manning, Edgar.
McLeod, Roderick C., Callister and Watson and Bone.
Smith, Austin G.
Whittle, Frank.
Power, John K.: *See*—
Posner, Kurt.
Power Production Company, assignee: *See*—
Juzwiak, Edmond A.
Power, Robert M., Oxnard, Calif. Hydraulic coupling. 2,514,717, July 11.
Powernails Company, assignee: *See*—
Anstett, Edgar P.
Powers, Alice L. B., Larchmont, N. Y. Unitary thin flat holder for garment straps. 2,529,308, Nov. 7.
Powers, Bradford W., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Retractable spray deflector. 2,513,585, July 4.
Powers, Conlous E., Natchez, Miss. Tire making machine. 2,529,739, Nov. 14.
Powers, Donald H., Concord, and W. J. Harrison, Reading, Mass., assignors to Monsanto Chemical Company, St. Louis, Mo. Runproof stocking. 2,524,684, Oct. 24.
Powers, Donald H., Concord, and W. J. Harrison, Reading, Mass., assignors to Monsanto Chemical Company, St. Louis, Mo. Method for producing slip-resistant textile materials. 2,527,329, Oct. 24.
Powers, Doston S., Linthicum Heights, Md. Venetian blind tilting device. 2,533,505, Dec. 12.
Powers, Frank L., Endicott, N. Y. Tow bar. 2,518,813, Aug. 15.
Powers, Frank T., Glen Cove, N. Y.; F. T. Powers, Jr., and J. M. Powers, executors of said F. T. Powers, deceased, assignors to Powers Photo Engraving Company. Plate burner for photoengraving. 2,496,814, Feb. 7.
Powers, Frank T., Glen Cove, N. Y.: F. T. Powers, Jr., and J. M. Powers, executors of said F. T. Powers, deceased, assignors to Powers Photo Engraving Company. Spiral focusing scale. 2,508,649, May 23.
Powers, Frank T., Jr., executor: *See*—
Powers, Frank T.
Powers, Frank T., Sr.
Powers, Frank T., Sr., deceased, Glen Cove, N. Y., by F. T. Powers, Jr., Locust Valley, and J. M. Powers, Glen Cove, N. Y., executors, assignors to Powers Photo Engraving Company. Photomechanical printer. 2,534,794, Dec. 19.
Powers, George V., Great Bend, Kans. Valve. 2,496,176, Jan. 31.
Powers, George V., Great Bend, Kans. Cutoff valve. 2,535,953, Dec. 26.
Powers, Harvey A., Dallas, Tex. Automobile awning. 2,506,383, May 2.
Powers, James H., Westport, Conn., assignor to General Electric Company. Water temperature responsive control for waste disposal devices. 2,518,176, Aug. 8.
Powers, John M., assignee: *See*—
Slutz, Thomas W.
Powers, John M., executor: *See*—
Powers, Frank T.
Powers, Frank T., Sr.

Powers, John R., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Polymerization of vinyl compounds. 2,520,959, Sept. 5.
Powers, John Robert, Products Co., Inc., assignee: *See*— Loggie, John M.
Powers, Milton A., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Liquid fuel burner apparatus. 2,515,262, July 18.
Powers, Milton A., Detroit, Mich. Production of porous vitreous articles. 2,518,997, Aug. 15.
Powers, Norman C., Elkhart Lake, Wis. Method of and apparatus for refrigerating. 2,500,202, Mar. 14.
Powers, Paul O.: *See*— Weber, Karl H., and Powers.
Powers, Paul O., Columbus, Ohio, assignor to Armstrong Cork Company, Lancaster, Pa. Tile and binder for the same. 2,529,261, Nov. 7.
Powers, Paul O., assignor to Armstrong Cork Company, Lancaster, Pa. Tile and binder for the same. 2,529,260, Nov. 7.
Powers Photo Engraving Company, assignee: *See*— Maxwell, John D.
Powers, Frank T.
Powers, Frank T., Sr.
Wattier, Francis E.
Powers Regulator Company, The, assignee: *See*— Fischer, Carl W.
Fischer, Carl W., and Saballus.
Robson, Arthur R. D.
Saballus, Erwin.
Powers, Richard E., East Rochester, N. Y. Water seal for refrigerator cars. 2,508,294, May 16.
Powers, Robert D., assignee: *See*— Williams, Darwin D.
Powers-Samas Accounting Machines Limited, assignee: *See*— Ford, George E.
Thomas, Arthur.
Thomas, Arthur, and Gausden.
Thomas, Arthur, Rhodes, and Brown.
Powers, Warren H., Coronado, Calif. Washing machine. 2,526,969, Oct. 24.
Powers, William A. Niles, assignor to Republic Steel Corporation, Cleveland, Ohio. Composite roll for electrotinplating lines. 2,513,515, July 4.
Pownall, George L., Junction City, Ohio. Apparatus for bulk production of small ice. 2,495,421, Jan. 21.
Pownall, George L., London, Ohio. Conditioning air in mechanical refrigerators. 2,527,571, Oct. 31.
Pownall, George L., London, Ohio. Apparatus for conditioning air in mechanical refrigerators. 2,527,572, Oct. 31.
Poylo, Michel C.: *See*— Labin, Emile, and Poylo.
Poylo, Michel C., assignor to Federal Telecommunication Laboratories, Inc., New York, N. Y. Pulse-time telemetering system. 2,524,832, Oct. 10.
Poznik, William, Hawthorne, Calif. Automatic circuit breaking system for automobiles. 2,497,792, Feb. 14.
Pozun, John L., assignor of one-half to L. R. Houghton, Johnstown, Pa. Disinfecting and deodorizing device for toilets. 2,515,569, July 18.
Pozun, John L., assignor of one-half to L. Houghton, Johnstown, Pa. Disinfecting and deodorizing device for toilets. 2,520,056, Aug. 22.
Prack, Albert E., assignor to Prack, Incorporated, St. Louis, Mo. Liquid mixing and dispensing apparatus. 2,527,848, Oct. 31.
Prack, Incorporated, assignee: *See*— Prack, Albert E.
Prac-Tee Co., The, assignee: *See*— Royston, William M.
Practo Products Company, assignee: *See*— Sears, Fred M.
Praeg, Walter S., assignor to National Broach & Machine Company, Detroit, Mich. Grinder. 2,524,541, Oct. 3.
Praeg, Walter S., assignor to National Broach & Machine Company, Detroit, Mich. Hobbing machine. 2,528,242, Oct. 31.
Prager, Edward H., Baltimore, Md. Laundry drying rack. 2,532,938, Dec. 5.
Prager, Frank D.: *See*— Bieker, Lawrence W., and Prager.
Prager, Frank D., Chicago, Ill., and R. C. Ulm, East Chicago, Ind., assignors to Graver Tank & Mfg. Co., Inc. Center-weighted floating roof. 2,497,047, Feb. 7.
Prager, Gerald A., assignor to H. L. Burkitt, New York, N. Y. Pad construction. 2,507,543, May 16.
Prakke, Frits: *See*— Alma, Gerrit H. P., Knol, Kuiper, Prakke, Strutt, and van der Ziel.
Kronouer, Johan G., Lips, and Prakke.
Roovers, Wilhelmus A., Prakke, van Steenis, and de Jong.
Prakke, Frits, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Shielding for electric discharge tubes. 2,517,023, Aug. 1.
Prance, Alvin W., Royal Oak, assignor to Briggs Manufacturing Company, Detroit, Mich. Trim panel and manufacture. 2,504,874, April 18.
Prangley, Curtis F., Evanston, Ill. Liquid dispensing apparatus. 2,511,006, June 13.
Prassel, Victor, San Antonio, Tex. Deep well drilling device. 2,496,954, Feb. 7.
Prater Pulverizer Company, assignee: *See*— Kotilinek, John.
Prather, Olin R.: *See*— Bliss, Jack E., and Prather.
Prather, Porter, Georgetown, Ky. Automatic electric switch. 2,503,632, Apr. 11.
Pratt, Best, assignor to Certified Gas Equipment Company, Chicago, Ill. Gas range structures. 2,521,092, Sept. 5.
Pratt, Burt C.: *See*— Langkammerer, Carl M., and Pratt.
Pratt, Burt C., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Obtaining bodied drying and semidrying oils. 2,516,590, July 25.
Pratt, David W., administrator: *See*— Pratt, Wilson.
Pratt, Derrill B., Jr.: *See*— Handler, Julius J., and Pratt.
Pratt, Edward R., Nahant, assignor of one-half to D. E. Daggett, Melrose, Mass. Protective holder for razors. 2,523,921, Sept. 26.
Pratt, Elbert H., and R. C. Christie, Kansas City, Mo.; said Christie assignor to said Pratt. Electric insulator. 2,533,621, Dec. 12.
Pratt & Gray Company, Inc., assignee: *See*— Colomy, Roy H., and Boenisch.
Pratt, Harold H., Fairmount, Ind. Abrasive disk support. 2,527,762, Oct. 31.
Pratt, Henry, Company, assignee: *See*— Fantz, Fred C.
Pratt, John H., Montreal, Quebec, Canada, assignor to Radio Corporation of America. Phase modulated transmitter with feedback. 2,501,355, Mar. 21.
Pratt, John W., Leicester, England, assignor to United Shoe Machinery Corporation, Flemington, N. J. Force lasting machine. 2,514,512, July 11.
Pratt, John W., Leicester, England, assignor to United Shoe Machinery Corporation, Flemington, N. J. Preparing uppers for lasting. 2,523,480, Sept. 26.
Pratt Manufacturing Company, assignee: *See*— Kershaw, George E.
Pratt, Read and Co., Inc., assignee: *See*— Stein, Charles F.
Pratt, Ryder, Kirkwood, Mo., assignor, by mesne assignments, to Missouri Automatic Control Corporation. Time-regulated burner control system. 2,501,452, Mar. 21.
Pratt, Verneur E., and G. F. Gray, Norwalk, Conn. Combination projector and printer. 2,493,998, Jan. 10.
Pratt, Verneur E., and G. F. Gray, Norwalk, Conn. Take-up reel system. 2,503,453, Apr. 11.
Pratt, Verneur E., and G. F. Gray, Norwalk, Conn. Photography employing a scanning camera. 2,508,650, May 23.
Pratt, Verneur E., and G. F. Gray, Norwalk, Conn. Winding device. 2,508,651, May 23.
Pratt, Verneur E., and G. F. Gray, Norwalk, Conn. Flow camera document copying machine. 2,509,072 May 23.
Pratt, Verneur E., and G. F. Gray, Norwalk, Conn. Film processor. 2,511,941, June 20.
Pratt, Verneur E., and G. F. Gray, Norwalk, Conn. Film projector with rotatable turret head. 2,517,414, Aug. 1.
Pratt, Wilson, Salt Lake City, Utah; D. W. Pratt, administrator of said W. Pratt, deceased. Amusement or exercising device. 2,506,890, May 9.
Prawdzik, Charles J., Trenton, N. J., assignor, by mesne assignments, to Union Bag and Paper Corporation, New York, N. Y. Carton and carton blank. 2,509,447, May 30.
Pray, Harold E.: *See*— Zipp, Drayton C., and Pray.
Praytor, Dennis M., Birmingham, and K. Kershaw, Montgomery, Ala. Ballast removing machine. 2,534,880, Dec. 19.
Prazak, Emil, Elizabeth, and A. Kierner, Union, N. J. Embroidery sewing machine. 2,525,312, Oct. 10.
Preaus, Charles M., and C. E. Ross, Tulsa, Okla. Awning of metal or similar material. 2,500,864, Mar. 14.
Preble, Bennett, assignee: *See*— Maier, Charles G.
Precast Building Sections, Inc., assignee: *See*— Atterbury, Grosvenor.
Precision Chemical Corporation, assignee: *See*— Roen, Clarence W.
Precision Developments Company Limited, assignee: *See*— Olah, George.
Precision Methods Co., Inc., assignee: *See*— De Boer, Willis, Betts, and Polidor.
Precision Thermometer & Instrument Company, assignee: *See*— Laverell, William D., Walton, and Mumberg.
Preco Incorporated, assignee: *See*— Beemer, Paul K., and Carlisle.
Beemer, Paul K., and Fuchs.
Predictor Corporation, The, assignee: *See*— Fay, James P.
Pregel, Boris: *See*— Blau, Marietta, and Pregel.
Goldstein, Ladislas, and Pregel.

Prehn, Henri, Roslyn, assignor to Associated Development and Research Corporation, New York, N. Y. Tire chain and attachment means therefor. 2,493,263, Jan. 3.
Prehn, Henri, Roslyn, N. Y. Cover for ship hatches. 2,511,007, June 13.
Preis, Carl G., Forest Hills, assignor to American Can Company, New York, N. Y. Vacuumizing apparatus. 2,521,746, Sept. 12.
Preis, H. P., Engraving Machine Co., assignee: *See*— Preis, Martin H., and Hoffmann.
Preis, Martin H., Cranford, and J. A. Hoffmann, Lyndhurst, assignors to H. P. Preis Engraving Machine Co., Newark, N. J. Cutter for pantograph engraving machines. 2,524,636, Oct. 3.
Preising, William J., New Albany, Ind., and R. H. Bynum, assignors to B. F. Avery & Sons Company, Louisville, Ky. Adjustably mounted seat. 2,528,607, Nov. 7.
Preist, Donald H., Bromley, assignor to Minister of Supply, in His Majesty's Government of the United Kingdom of Great Britain and Northern Ireland, London, England. Keying of high-frequency oscillators. 2,524,175, Oct. 3.
Prel Inc., assignee: *See*— Alexander, Philip.
Prell, Peter, New York, N. Y. Picture film projecting machine and sound-producing means. 2,513,673, July 4.
Preload Enterprises, Inc., assignee: *See*— Crom, John M. Dobell, Curzon.
Prelog, Vladimir: *See*— Ruzicka, Leopold, and Prelog.
Prem, Frank E.: *See*— Glass, Paul, and Prem.
Premier Crystal Laboratories, Incorporated, assignee: *See*— Bach, Henry M. Smith, Ernest P.
Premier Industries Corporation, assignee: *See*— Reese, Martin.
Premier Thread Company, assignee: *See*— Mahoney, William E.
Premium Merchandising Corporation, assignee: *See*— Schiesel, Ervin E.
Premix Combustion, Inc., assignee: *See*— Roberts, William.
Premo, Owen D., Muskegon Heights, Mich. Angle layout and checking instrument. 2,532,329, Dec. 5.
Premo Pharmaceutical Laboratories, Inc., assignee: *See*— Goldman, Robert.
Prenco Progress and Engineering Corporation Limited, assignee: *See*— Kresta, Alois.
Prendergast, Walter S., Macedonia, assignor to Carter Products Corporation, Cleveland, Ohio. Method and apparatus for making multiple layer plastic conduits. 2,501,690, Mar. 28.
Prendergast, Walter S., Macedonia, assignor to Carter Products Corporation, Cleveland, Ohio. Method and apparatus for making flexible tubes. 2,513,106, June 27.
Prentice, Howard I.: *See*— Arnold, George, Schultz, and Prentice.
Prentice, James M., assignee: *See*— Ellis, Clarence M.
Prentice, G. E., Mfg. Co., The, assignee: *See*— Legat, Robert C.
Prentiss, John G.: *See*— Adler, Robert, and Prentiss.
Prentiss Wabers Products Co., assignee: *See*— Jenson, Kenneth S. Nelson, Averd.
Prescott, Charles S., and R. M. Brown, Muskegon, Mich., assignors to Anaconda Wire and Cable Company. Enameling oven. 2,517,024, Aug. 1.
Prescott, Hazel, Newport Beach, Calif. Sun suit. 2,521,020, Sept. 5.
Prescott, Paul, Inc., assignee: *See*— Kantor, Harry.
Presley, Maurice C.: *See*— France, Walter D., and Presley.
Press, Jack J., New York, N. Y. Generated proteins and preparation thereof. 2,519,978, Aug. 22.
Press Wireless, Inc., assignee: *See*— Day, James R. Hollingsworth, "R" Lee.
Pressed Steel Company Limited, assignee: *See*— Rowledge, Eric G., and Kitson.
Presser, Eric A. F., East Chicago, Ind. Stuffing box lubrication. 2,493,312, Jan. 3.
Presser, Eric A. F., East Chicago, Ind. Combined bearing and lubricated self-aligned stuffing box. 2,506,891, May 9.
Presser, Glenn E., and G. Wheeler, Miami, Fla. Water heater and storage unit. 2,519,281, Aug. 15.
Pressing, Robert W., and B. J. Pettibone, assignors to S. C. Johnson & Son, Inc., Racine, Wis. Wax refining. 2,531,785, Nov. 28.
Presstite Engineering Company, The, assignee: *See*— Sussenbach, Paul.
Pressure Coffee Maker's Corporation, assignee: *See*— Minerva, John, and Lopez.
Prestige Limited, assignee: *See*— Jones, Irene C. B.
Prestinari, Eugen, Summit, and J. F. Sand, Newark, assignors to Gemex Company, Union, N. J. Clasp construction. 2,518,716, Aug. 15.
Presto Bandage Company, assignee: *See*— Banff, Peter S., and Halversen.
Presto Lighters Limited, assignee: *See*— Fortin, Charles A.
Prestole Corporation, assignee: *See*— Kost, Harold W.
Preston, Albert L., Kenmore, N. Y., assignor to The Linde Air Products Company. Fluid supply system. 2,515,835, July 18.
Preston, Albert L., Kenmore, N. Y., assignor to The Linde Air Products Company. Apparatus for holding and vaporizing liquefied gases. 2,515,836, July 18.
Preston, Albert L., Kenmore, N. Y., assignor to The Linde Air Products Company. Apparatus for dispensing liquefied gases. 2,528,780, Nov. 7.
Preston, Albert L., and G. H. Zenner, Kenmore, N. Y., assignors to The Linde Air Products Company. Portable apparatus for holding and vaporizing liquefied gases. 2,502,588, Apr. 4.
Preston, Cecil W., Glen Ellyn, assignor to Wittie Mfg. Co., Inc., Chicago, Ill. Clutch mechanism for oscillating fans. 2,517,415, Aug. 1.
Preston, Charles C., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,503,595, Apr. 11.
Preston, Frank W., assignee: *See*— McCormick, John M.
Preston, George, Curtice, assignor of one-half to J. L. Greenbaum, Toledo, Ohio. Rockable bed. 2,520,563, Aug. 29.
Preston, John: *See*— Olson, Harry F., and Preston.
Preston, Miriam L., executrix: *See*— O'Donnel, William E., and Garey.
Preston, Neil D., assignor to General Railway Signal Company, Rochester, N. Y. Coded track circuit signaling system for railroads. 2,519,979, Aug. 22.
Preston, Neil D., assignor to General Railway Signal Company, Rochester, N. Y. Coded track circuit signaling system for railroads. 2,522,892, Sept. 19.
Preston, Neil D., and F. B. Hitchcock, assignors to General Railway Signal Company, Rochester, N. Y. Station selective radio communication system. 2,501,091, Mar. 21.
Preston, Neil D., and F. B. Hitchcock, assignors to General Railway Signal Company, Rochester, N. Y. Airway traffic controlling system. 2,535,954, Dec. 26.
Preston, Richard A., Kalamazoo, Mich. Cable clamp. 2,535,599, Dec. 26.
Preston, Samuel, Brooklyn, N. Y. Clip. 2,508,077, May 16.
Preston, Walter C., assignor to The Procter & Gamble Company, Cincinnati, Ohio. Detergent composition. 2,494,580, Jan. 17.
Preston, Walter C., assignor to The Procter & Gamble Company, Cincinnati, Ohio. Detergent composition. 2,527,075, Oct. 24.
Preston, Walter C., assignor to The Procter & Gamble Company, Cincinnati, Ohio. Detergent composition. 2,527,076, Oct. 24.
Preston, Waler C., assignor to The Procter & Gamble Company, Cincinnati, Ohio. Detergent composition. 2,527,077, Oct. 24.
Preszler, Alvin, Huntington Park, Calif. Flexible shaft greasing fitting. 2,515,611, July 18.
Preszler, Philip, Venice, Calif. Cam-locking belt buckle and strap fastener 2,496,891, Feb. 7.
Pretka, Frank: *See*— Cunningham, George L., and Pretka.
Pretty, Charles N., Vancouver, British Columbia, Canada. Roofing tile. 2,510,416, June 6.
Prettyman, Irven B., and H. G. Hager, assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Method and apparatus for testing tire tread cracking. 2,514,202, July 4.
Pretzer, Bert C., St. Clair Shores, assignor to Illuminating Engineering Company, Hazel Park, Mich. Hanging bracket for illuminating tubes. 2,509,109, May 23.
Preuss, Kurt: *See*— Michaelis, Curt, and Preuss.
Previdi, William T., Allendale, N. J. Golf ball pocket. 2,508,190, May 16.
Prevost, Marie J., Plainfield, N. J. Corset. 2,493,831, Jan. 10.
Prew, Harvey A., Fox Island, R. I., assignor to Pru-Lesco, Inc. Picture frame securing means. 2,521,603, Sept. 5
Prewitt, Richard H., Wallingford, Pa., assignor to Kellett Aircraft Corporation. Aircraft having rotating blades or wings. 2,509,367, May 30.
Prezioso, Giuseppe, Yverdon, Switzerland, assignor to Paillard S. A., (Paillard A. G.), Paillard Limited. Tabulator for typewriters. 2,506,104, May 2.
Pribus, Clarence W., assignor to Eastman Kodak Company, Rochester, N. Y. Toggle rebound latch for photographic shutters. 2,514,669, July 11.
Price, Albert, and M. K. Benson, Benton Harbor, Mich. Mousetrap. 2,510,655, June 6.

Price, Charles C., R. M. Roberts, and H. F. Herbrandson, Urbana, Ill., assignors to the United States of America as represented by the Secretary of War. Producing 4-hydroxyquinolines. 2,504,875, Apr. 18.

Price, Charles C., and R. H. Reitsema, Urbana, Ill., assignors, by mesne assignments, to the United States of America as represented by the Secretary of War. Recovery of 7 - substituted - 4 - hydroxyquinolines. 2,512,551, June 20.

Price, David D., Oklahoma City, Okla. Storage rack for papers. 2,521,126, Sept. 5.

Price, David R., deceased, by W. S. Wade, administrator, Urmston, and A. Grayson, Patricroft, England, assignors to General Electric Company. Single-frequency carrier current control system. 2,534,144, Dec. 12.

Price, Donald: *See*—
Sprules, Francis J., and Price.

Price, Earl R., assignor to Bendix Aviation Corporation, South Bend, Ind. Transmission operating mechanism. 2,506,105, May 2.

Price, Edison A., assignor to Display Lighting Incorporated, New York, N. Y. Light bulb support comprising a ring having a plurality of fingers extending forwardly and rearwardly of the ring. 2,530,360, Nov. 14.

Price, Edison A., assignor to Display Lighting Incorporated, New York, N. Y. Light baffle and support therefor. 2,530,361, Nov. 14.

Price, Fannie, New York, N. Y. Comb with interchangeable teeth. 2,515,094, July 11.

Price, Frank D., assignor to J. P. McCarthy, Minneapolis, Minn. Safety nursery barrier. 2,511,372, June 13.

Price, Frederick S., St. Louis County, Mo. Drive device. 2,522,960, Sept. 19.

Price Fireplace Heater & Tank Corp., assignee: *See*—
Walters, Herbert H.

Price, George E., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Heating apparatus. 2,502,988, Apr. 4.

Price, H. C., Co., assignee: *See*—
Elliott, Bernard V.

Price, Harold W., Bradenton, Fla., assignor to Bendix Aviation Corporation, South Bend, Ind. Clutch control mechanism. 2,511,373, June 13.

Price, Harold W., Bradenton, Fla., assignor to Bendix Aviation Corporation, South Bend, Ind. Snap switch. 2,513,674, July 4.

Price, Harold W., assignor to Bendix Aviation Corporation, South Bend, Ind. Clutch control mechanism. 2,517,025, Aug. 1.

Price, Harold W., assignor to Bendix Aviation Corporation, South Bend, Ind. Transmission operating means. 2,520,734, Aug. 29.

Price, Harold W., Bradenton, Fla., assignor to Bendix Aviation Corporation, South Bend, Ind. Transmission operating mechanism. 2,531,701, Nov. 28.

Price, Harry J.: *See*—
Stedman, Cecil K., Price, and Wisner.

Price, Harry N., East Paterson, N. J., assignor to Wright Aeronautical Corporation. Fluid tight joint. 2,521,127, Sept. 5.

Price, Harvey N., Schenectady, N. Y., assignor to General Electric Company. Shock-resistant metal-walled discharge device. 2,523,056, Sept. 19.

Price, James F., Erlton, N. J., assignor to Radio Corporation of America. Inspection apparatus and method. 2,531,529, Nov. 28.

Price, James O., Dallas, Tex. Electrically controlled dispensing valve and counter. 2,534,987, Dec. 19.

Price, Laurence L., Los Angeles, Calif. Retarder for towel cabinets. 2,500,094, Mar. 7.

Price, Lewis T., Tulsa, Okla. Adjustable stilt. 2,493,027, Jan. 3.

Price, Manley R., Lakewood, Ohio. Screw driver. Re. 23,201, Feb. 28.

Price, Nathan C., Hollywood, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Gas turbine aircraft power plant having ducted propulsive compressor means. 2,501,633, Mar. 21.

Price, Nathan C., Los Angeles, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Turbine construction. 2,510,606, June 6.

Price, Nathan C., Los Angeles, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Jet power plant with boundary layer control for aircraft. 2,514,513, July 11.

Price, Nathan C., Los Angeles, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Turbine blade and making the same. 2,520,373, Aug. 29.

Price, Nathan C., Los Angeles, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Turbo-propeller type power plant having radial flow exhaust turbine means. 2,526,409, Oct. 17.

Price, Nathan C., Los Angeles, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Annular type combustion chamber construction for turbo power plants. 2,526,410, Oct. 17.

Price, Nathan C., St. Helena, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Compressor construction. 2,501,614, Mar. 21.

Price, Osborne I., Frederick, Md., assignor, by mesne assignments, to Specialties, Inc., Syosset, N. Y. Polarized electromagnetic relay. 2,526,685, Oct. 24.

Price, Penta: *See*—
Martin, Robert F., and Price.

Price, Ralph E., Highfield, Md., assignor to Landis Tool Company, Waynesboro, Pa. Hydraulic system for machine tools. 2,521,668, Sept. 5.

Price, Ralph E., Highfield, Md., assignor to Landis Tool Company, Waynesboro, Pa. Hydraulic system. 2,509,368, May 30.

Price, Ralph E., Highfield, Md., assignor to Landis Tool Company, Waynesboro, Pa. Backlash eliminating mechanism. 2,533,043, Dec. 5.

Price, Ralph E., Highfield, Md., assignor to Landis Tool Company, Waynesboro, Pa. Cam grinding machine. 2,535,549, Dec. 26.

Price, Ralph E., Highfield, Md., assignor to Landis Tool Company, Waynesboro, Pa. Feed mechanism. 2,535,550, Dec. 26.

Price, Robert E., Port Arthur, Tex., assignor to Gulf Oil Corporation, Pittsburgh, Pa. Electrical determination of sulfuric acid concentration. 2,507,645, May 16.

Price, Robert J., Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Plate glass sizing roll. 2,531,988, Nov. 28.

Price, Robert L.: *See*—
Kalmus, Henry P., and Price.

Price, Richard H.: *See*—
Shand, Stanley G., and Price.

Price-Smith & Stells Limited, assignee: *See*—
Feather, Edmund E.

Price, Thomas J., Belleville, N. J., assignor, by mesne assignments, to The Clark Thread Company. Electronic thread clearer. 2,506,174, May 2.

Price, Thomas H., Chelmsford, England, assignor to Radio Corporation of America. Overload protection arrangement. 2,510,519, June 6.

Price, William R., Wayne, Pa., assignor to Flexitallic Gasket Company, Camden, N. J. Gasket making machine. 2,499,681, Mar. 7.

Pricer, Willie E., Amarillo, Tex. Playground equipment. 2,497,372, Feb. 14.

Prichard, John H.: *See*—
Birnbaum, Leo S., Prichard, and Paist.
Myles, William J., and Prichard.

Prichard, John H., Springfield, and L. S. Birnbaum, Newark, N. J., assignors to Celanese Corporation of America. Plasticized cellulose propionate. 2,499,526, Mar. 7.

Prichard, William W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Vinylethylene carbonate and its preparation. 2,511,942, June 20.

Prichard, William W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Synthesis of N-carboanhydrides of alpha-amino acids. 2,516,145, July 25.

Prichard, William W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of esters. 2,517,416, Aug. 1.

Prichard, William W., Wilmington, and G. M. Whitman, New Castle, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. 1,8-dicyano-2,6-octadiene and process. 2,524,833, Oct. 10.

Prickett, Alfred J., Des Plaines, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Chuck for winding apparatus. 2,514,970, July 11.

Prickett, Mona E., assignee: *See*—
Prickett, Wilber W.

Prickett, Wilber W., assignor of one-half to M. E. Prickett, San Diego, Calif. Pouring attachment for containers. 2, 499,259, Feb. 28.

Priddy, Hugh A., Wichita Falls, Tex. Producing frozen watermelon confections. 2,521,995, Sept. 12.

Pride, George H., New York, N. Y. Load handling apparatus for vehicles. 2,534,057, Dec. 12.

Pridgen, Ottis I., Richmond, Va. Multiple screw propelled transit boat. 2,507,544, May 16.

Pridham, Edwin S.: *See*—
West, Judson, Jr., and Pridham.

Priepke, Rudolf J., South Brunswick Township, Middlesex County, N. J. Device for filing and method therefor. 2,524,078, Oct. 3.

Priess, John L., Chicago, Ill. Perfume dispenser. 2,518,637, Aug. 15.

Priest, Dwight E., Southboro, assignor to Parker Manufacturing Company, Worcester, Mass. Saw frame. 2,520,890, Aug. 29.

Priest, Harry D., Culver City, Calif. Fluid transmission. 2,495,547, Jan. 24.

Priester, Henry, Middletown, N. Y. Lift truck fork for building bricks. 2,519,282, Aug. 15.

Priestly, Frank C.: *See*—
Clard, Morton, and Priestly.

Priestman, George D.: *See*—
McClintock, John H., and Priestman.

Prieto, Fernando G., Los Angeles, Calif. Combustion engine. 2,508,582, May 23.

Prieto, Miguel G., Chicago, Ill. Water purification apparatus. 2,504,349, Apr. 18.

Prigg, Herbert P., Miami, Fla. Child's combination car seat and swing. 2,494,581, Jan. 17.

Prihoda, Fred F., San Jose, Calif. Multiple clothesline reel. 2,507,813, May 16.

Prill, Edward A., Yonkers, N. Y., assignor to Boyce Thompson Institute for Plant Research, Inc. Methylenedioxyphenyl compound as insecticide, insect repellent, and pyrethrin synergist. 2,493,927, Jan. 10.

Prill, Edward A., Yonkers, N. Y., assignor to Boyce Thompson Institute for Plant Research, Inc. Sulfur-substituted mercaptodihydrosafroles. 2,523,233, Sept. 19.
Prill, Erhard J.: *See*—
Mueller, Max B., and Prill.
Prill, Erhard J., Cresskill, N. J., assignor to United States Rubber Company, New York, N. Y. Preparation of maleimide and N-substituted derivatives. 2,524,136, Oct. 3.
Prill, Erhard J., Cresskill, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Nitriles from isobutylene-nitrosyl chloride adduct. 2,528,708, Nov. 7.
Prince, Arthur E.: *See*—
Rose, Ernest H., and Prince.
Prince Castle Manufacturing Division, Inc., assignee: *See*—
Prince, Earl S., and Brotheridge.
Prince, Charles C., Raleigh, N. C. Heat control device. 2,522,464, Sept. 12.
Prince, Earl S., and J. Brotheridge, Rock Falls, assignors to Prince Castle Manufacturing Division, Inc., Sterling, Ill. Multiple drink mixing machine. 2,531,989, Nov. 28.
Prince, John, and M. Whitehead, Hollinwood, England. Induction disk for watthour meters and the like. 2,529,571, Nov. 14.
Prince, Roy W., Jr., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Voltage regulation. 2,534,559, Dec. 19.
Prince-Smith & Stells Limited, assignee: *See*—
Wright, Frank.
Prince, Wesley G., Menominee, Mich. Flush pin gauge. 2,514,794, July 11.
Pringle, Edward S., Norfolk, Va., assignor to The J. G. Wilson Corporation, New York, N. Y. Door operating mechanism. 2,530,629, Nov. 21.
Pringle, John W. S., Cambridge, England. Radio beacon. 2,532,939, Dec. 5.
Pringle, Mark A., Teaneck, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Hinged-panel switchboard. 2,498,296, Feb. 21.
Pringle, Mark A., Teaneck, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Metal-enclosed switchgear. 2,504,876, Apr. 18.
Pringle, Tom, Ardmore, Okla. Trotline hanger. 2,531,643, Nov. 28.
Printing Machinery Company, The, assignee: *See*—
Noell, Elmer F.
Prior, Granville G., assignee: *See*—
Tarbutton, James L.
Priou, Robert.: *See*—
Drisch, Nicolos, and Priou.
Pripeton, George, Homestead, Pa. Clearance indicator for automobiles. 2,522,637, Sept. 19.
Prismacolor, Inc., assignee: *See*—
Oakhill, Frederic E.
Pritchard, Gordon J., Liverpool, assignor to Ward, Blenkinsop & Company Limited, London, England. Preservation of timber. 2,503,841, Apr. 11.
Pritchard, Howard A., Hiram, assignor to Harris-Seybold Company, Cleveland, Ohio. Perfecting offset press. 2,515,355, July 18.
Pritchard, J. F., & Co., assignee: *See*—
Martin, Henry A., Young, and Nelly, Jr.
Privott, John S., Mount Rainier, assignor of one-quarter to J. Y. Houghton, Chevy Chase, Md. Sanitary combination barbering robe. 2,523,323, Sept. 26.
Probst, Arthur E., Marion, Ohio. Rotating seesaw. 2,527,763, Oct. 31.
Probst, Emmet, Mountain View, N. J. Gutter shield. 2,526,271, Oct. 17.
Probst, Fritz: *See*—
Keller, Ernst and Probst.
Proby, Ralph M.: *See*—
Sladek, Melvin G., and Proby.
Process Development Company, assignee: *See*—
Ritsch, Howard P.
Process Engineers Incorporated, assignee: *See*—
Kelly, Earl M.
Process Equipment Engineers, Inc., assignee: *See*—
Allen, John D.
Karleen, Edward H.
Processing Specialties, Inc., assignee: *See*—
Sundstrom, Charles.
Proch, Joseph F., Chicago, Ill. Film winding apparatus. 2,495,344, Jan. 24.
Procter & Gamble Company, The, assignee: *See*—
Brod, John S.
Brod, John S., and Henry.
Henry, Ronald A., and Brod.
Holman, George W., and Quimby.
Mills, Victor.
Mills, Victor, Sanders and Hawley.
Mitchell, Paul J., Jr.
Preston, Walter C.
Sanders, Judson H.
Short, Robert J., and Woodruff.
Snelling, John A.
Tucker, Nathaniel B.
Proctor, Austin, Louisville, Ky., and H. A. Kusterer, Richmond, Va., assignors to The Girdler Corporation, Louisville, Ky. Dielectric heating system having provision for selection of preset electrode spacings. 2,512,751, June 27.
Proctor, Baxter G., Jr.: *See*—
Rappaport, Sigmund, and Proctor.
Proctor, Don H., Springfield, Mass., assignor to Lovejoy Tool Company, Inc., Springfield, Vt. Tool and driving member. 2,503,685, Apr. 11.
Proctor Electric Company, assignee: *See*—
Myers, Joseph W., and Dailey.
Turner, Charles R.
Proctor, Homer G., Waukegan, Ill., assignor to The American Steel and Wire Company of New Jersey. Collapsible take-up spool. 2,529,185, Nov. 7.
Proctor & Schwartz, Inc., assignee: *See*—
Franklin, John J.
Hurxthal, Frederick E.
Senior, John H., and Riehl.
Proctor, Warren: *See*—
Tull, William J., and Proctor.
Proctor, William E., Baltimore, Md. Boiler level alarm system. 2,493,548, Jan. 3.
Prodel, Maurice A., Boise Colombes, France. Machine for fastening the meshes of mended knitted ware. 2,518,638, Aug. 15.
Prodesco, Inc., assignee: *See*—
Faris, Harold P., and Koenig.
Prodromos, George, Winston-Salem, N. C. Holder for trimming tools. 2,529,963, Nov. 14.
Product Technicians, Inc., assignee: *See*—
Crumrine, Chester W.
Production Broaching Corporation, assignee: *See*—
Hougland, Allen W.
Iversen, Norman H.
Production Devices Incorporated, assignee: *See*—
Zipp, Drayton C., and Pray.
Production Instrument Company, assignee: *See*—
Nelson, Martin L.
Productive Inventions, Inc., assignee: *See*—
Anderson, John W.
Smulski, Theodore J.
Products & Licensing Corporation, assignee: *See*—
Toulon, Pierre M. G.
Proell, Wayne A., assignor to Standard Oil Company, Chicago, Ill. Purifying sulfonic acids. 2,518,639, Aug. 15.
Proell, Wayne A., assignor to Standard Oil Company, Chicago, Ill. Disproportionation of organic disulfides. 2,521,870, Sept 12.
Proell, Wayne A., assignor to Standard Oil Company, Chicago, Ill. Electrodepositing bath and process. 2,525,942, Oct. 17.
Proell, Wayne A., assignor to Standard Oil Company, Chicago, Ill. Copper plating bath and process. 2,525,943, Oct. 17.
Proell, Wayne A., Chicago, Ill., and B. L. Hill, Whiting, Ind., assignors to Standard Oil Company, Chicago, Ill. Purifying salts of sulfonic acids. 2,502,619, Apr. 4.
Proell, Wayne A., Chicago, Ill., and B. H. Shoemaker, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Oxidation of mercaptans. 2,505,910, May 2.
Proelss, Otto A.: *See*—
Myers, Henry F., and Proelss.
Progressive Welder Company, assignee: *See*—
Leathers, Chester F.
Prohaska, James J.: *See*—
Lager, Eric W., Prohaska, and Haase.
Prohaska, James J., Palos Heights, assignor to Swift & Company, Chicago, Ill. Banding machine. 2,527,330, Oct. 24.
Projects, Inc., assignee: *See*—
Dowell, John T.
Prokopec, James C., assignor to Corning Glass Works, Corning, N. Y. Firing graded glass tubular seals. 2,494,582, Jan. 17.
Promisel, Robert I., Winthrop, Mass. Display container. 2,496,918, Feb. 7.
Prophet, Otto O., Wellesley Hills, Mass., assignor to Telechron, Inc. Time switch with multiple manual and automatic controls. 2,505,573, Apr. 25.
Pro-phy-lac-tic Brush Company, assignee: *See*—
D'Alelio, Gaetano F., and Addison.
Gustafson, Lewis H., and Harter.
Maynard, Charles E.
Maynard, Charles E., and Gustafson.
Prosek, John R., Riverside, Ill., assignor to International Harvester Company. Refrigerator having a door with a cooling unit mounted therein. 2,496,492, Feb. 7.
Proskauer, Richard, Westbury, and V. J. Young, Jamaica, N. Y., assignors to The Sperry Corporation. Pulse generator. 2,499,413, Mar. 7.
Prosperity Company, Inc., The, assignee: *See*—
Gayring, Wallace F., and Neuroth.
Pross, George L.: *See*—
Dickinson, Edwin A., and Pross.
Prosser, Joseph G. and T. W., Pasadena, Calif., assignors to American Seating Company, Grand Rapids, Mich. Retracting type theater chair. 2,494,779, Jan. 17.
Prosser, Joseph G. and T. W., Pasadena, Calif., assignors to American Seating Company, Grand Rapids, Mich. Retracting type theater chair. 2,496,132, Jan. 31.
Prosser, Robert A.: *See*—
Nichols, Arthur S., and Prosser.
Prosser, Thomas W.: *See*—
Prosser, Joseph G. and T. W.

Protectoseal Company, The, assignee: *See*—
Lebus, William A.
Protex Company, assignee: *See*—
Schwartzman, Daniel B., and Jindella.
Protex Products Company, assignee: *See*—
Schwartzman, Nathan L.
Protomastro, John R.: *See*—
Marsico, Vincent J., and Protomastro.
Protzeller, Harry W., Fairmont, Minn., assignor of one-half to A. W. Nelson, Park Ridge, Ill. Apparatus for serving ice cream. 2,495,077, Jan. 17.
Protzeller, Harry W., Fairmont, Minn., assignor of one-half to A. W. Nelson, Park Ridge, Ill. Refrigerating food products. 2,511,875, June 20.
Protzeller, Harry W., Fairmont, Minn., assignor of one-half to A. W. Nelson, Park Ridge, Ill. Refrigerating means with air pump circuit. 2,511,876, June 20.
Protzeller, Harry W., Fairmont, Minn., assignor of one-half to A. W. Nelson, Park Ridge, Ill. Method of and apparatus for refrigerating food products. 2,511,877, June 20.
Protzeller, Harry W., assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Take-off mechanism. 2,530,589, Nov. 21.
Prouse, Harry C., Long Beach, Calif. Trailer mounted engine cooling system. 2,503,411, Apr. 11.
Prout, Elmer W., La Canada, Calif., assignor, by mesne assignments, to T. W., A. K., A., and J. C. Burnam, and J. B. Crews, trading as a limited Partnership under the name Fog Nozzle Company. Pressure sealing means for valves. 2,534,477, Dec. 19.
Prouty, Glen C., Joplin, Mo. Ice-crushing machine. 2,526,272, Oct. 17.
Prouty, Robert E., assignor, by mesne assignments, to Essex Wire Corporation, Logansport, Ind. Circuit control switch. 2,493,899, Jan. 10.
Provitola, Anna T.: *See*—
Provitola, Anthony and A. T.
Provitola, Anthony and A. T., Brooklyn, N. Y. Folding wheelbarrow. 2,494,199, Jan. 10.
Provost, Amos, Johnson City, N. Y. Towel or clothes hanger. 2,521,604, Sept. 5.
Provost, Vernon E.: *See*—
Poirier, Leonard R. and V. E.
Pruden, Earl E., Dover, N. J. Fish lure. 2,495,021, Jan. 17.
Pruellage, Frank J., Oakland, assignor to C. A. Brady, Jr., San Francisco, and J. J. Barich, Jr., San Mateo, Calif. Rearview mirror having preset selective adjusting means. 2,504,387, Apr. 18.
Prugh, Thomas A., U. S. Army, Arlington County, Va. Ring circuit. 2,516,146, July 25.
Pruitt, Virgil H., Snow Hill, Md. Watering device. 2,512,839, June 27.
Pru-Lesco, Inc., assignee: *See*—
Prew, Harvey A.
Prust, Alvin F., Warren, assignor to Republic Steel Corporation, Cleveland, Ohio. Treating brightened electrotinplate. 2,503,217, Apr. 4.
Prutton, Daniel H., Cleveland, Ohio. Machine structure. 2,501,738, Mar. 28.
Prutzman, Charles D., assignee: *See*—
Edwards, William C.
Prym Engineering Company, assignee: *See*—
Koehl, Herman, and Prym.
Prym, Hans A.: *See*—
Koehl, Herman, and Prym.
Pryor, Dean E., Whittier, Calif., assignor to Wallace & Tiernan Products Corporation, Belleville, N. Y. Treatment of fruits and vegetables. 2,522,535, Sept. 19.
Pryor, Dean E., Whittier, and J. C. Baker, Monrovia, Calif., assignors to Wallace & Tiernan Products Corporation, Belleville, N. J. Treatment of fruits and vegetables. 2,531,463, Nov. 28.
Pryor, James N.: *See*—
Davis, Paul B., and Pryor.
Pryor, Joseph M., and B. Cescato, Chicago, Ill. Agitator. 2,513,107, June 27.
Prytz, Dan, Svendborg, Denmark. Apparatus for injecting medicinal solutions. 2,515,470, July 18.
Ptasnik, Kelman J., New York, N. Y. Tape with adhesive and nonadhesive areas. 2,515,423, July 18.
Publicker Industries Inc., assignee: *See*—
Herman, Daniel F.
Josefowitz, David.
Winslow, Edwin V., Jr.
Publix Shirt Corporation, assignee: *See*—
Driesbach, Gilbert O.
Puchlowski, Konstanty P., assignee: *See*—
Poukhalo-Poukhlovsky, Alexis.
Puchlowski, Konstanty P., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system for direct-current motors. 2,512,378, June 20.
Puchlowski, Konstanty P., Buffalo, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electronic converter system for direct-current motors. 2,525,500, Oct. 10.
Puchner, Irving A., assignee: *See*—
Elliott, Gordon R.
Puckett, Nick T., assignor to The Hofft Company, Inc., Indianapolis, Ind. Water grate. 2,500,323, Mar. 14.

Puderbach, Jack E., Grand Blanc, Mich. Adjustable tracer head. 2,515,356, July 18.
Puerner, Erving A., assignor to Shallcross Controls, Inc., Milwaukee, Wis. Hydraulic control mechanism. 2,527,331, Oct. 24.
Puerner, George O., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Snap action switch. 2,525,044, Oct. 10.
Pueschel, Paul, Glencoe, Ill. Bird feeding station. 2,503,068, Apr. 4.
Puett, Hoyt C., Kamloops, British Columbia, Canada. Starting structure. 2,516,073, July 18.
Puffer, Joseph M., Melrose, Mass. Switch for floor lamps. 2,493,419, Jan. 3.
Pugh, Charles H., Limited, assignee: *See*—
Pugh, John G.
Pugh, Charles R., Terre Haute, Ind. Artificial bait. 2,517,925, Aug. 8.
Pugh, Cyril A. and D. G. Booth, assignors to The Plessey Company Limited, Ilford, England. Liquid control apparatus. 2,500,618, Mar. 14.
Pugh, Emerson, Downers Grove, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Forming magnetic field patterns. 2,501,615, Mar. 21.
Pugh, John G., assignor to C. H. Pugh Limited, Birmingham, England. Power-driven propelling installation for boats. 2,513,050, June 27.
Pugh, Robert E., assignor of one-half to D. B. Pennington, Detroit, Mich. Cloth cutting apparatus. 2,503,353, Apr. 11.
Pugh, Paul W., Mission, Kans. Tachometer switch. 2,498,927, Feb. 28.
Pugh, Walter E., Rockford, Ill. Lever actuated pivoted jaw wrench. 2,496,309, Feb. 7.
Pugh, Walter E., and R. J. Champayne, Rockford, Ill., said Champayne assignor to said Pugh. Lever actuated pivoted jaw wrench. 2,496,308, Feb. 7.
Pugh, William J., Piedmont, Calif. Belt cutoff and handling machine. 2,525,509, Oct. 10.
Pugin, Darrell I., Springfield, Ohio. Speed indicating device. 2,504,582, Apr. 18.
Pugliese, Sebastian C., assignee: *See*—
Eicher, Clyde M.
Pulaski, John W., Erie, Pa., assignor to General Electric Company. Adapter for plastic door handles. 2,525,459, Oct. 10.
Puleo, Frank, Denver, Colo. Hotbed sash operator. 2,496,892, Feb. 7.
Pules, Maurice L.: *See*—
Kish, Ernest L., and Pules.
Pulese, Ernesto, Rome, Italy, assignor of fifty per cent to C. E. Dominguez, New York, N. Y. Variable speed power transmission. 2,520,057, Aug. 22.
Pullars Electric Co. (Brighton) Limited, assignee: *See*—
Bowen, Tom.
Pullars Instruments Limited, assignee: *See*—
Bowen, Tom.
Pullen, John A., Cullman, Ala. Operator's chair for barbers or dentists. 2,498,004, Feb. 21.
Pulley, George N., and M. K. Veldhuis, Winter Haven, Fla., assignors to the United States Government as represented by the Secretary of Agriculture. Citrus juice and removal of volatile oils therefrom. 2,510,138, June 6.
Pullin, Cyril G., Langside, Scotland, assignor to The Cierva Autogiro Company, Limited, London, England. Helicopter with jet reaction for counteracting torque. 2,503,172, Apr. 4.
Pullin, Cyril G., Wimbledon, London, assignor to The Cierva Autogiro Company Limited, London, England. Helicopter. 2,509,313, May 30.
Pullin, Cyril G., Wimbledon, London, assignor to The Cierva Autogiro Company, London, England. Helicopter. 2,509,314, May 30.
Pullin, Cyril G., Tadburn, Ampfield, and K. Watson, Woolston, Southampton, England, assignors, by mesne assignments, to Autogiro Company of America, Philadelphia, Pa. Rotary-wing aircraft with plural rotors. 2,529,629, Nov. 14.
Pullis, George A.: *See*—
Entz, Ferdinand S., Pullis, and Stibitz.
Pullman Company, The, assignee: *See*—
Jones, Basil E.
Pullman-Standard Car Manufacturing Company, assignee: *See*—
Hess, Francis M.
Heyerdahl, Frederick C.
Logmann, Arthur A., and Meyers.
Moline, Carl R.
Murphy, Frank L., and Apel.
Murphy, Frank L., and Vander Linden.
Shaver, Raymond M.
Turner, Charles H.
Pulp Reproduction Company, assignee: *See*—
Olsen, John H.
Risch, Arthur H.
Puls, Alfred E., Cleveland, Ohio, assignor, by mesne assignments, to Babee-Tenda License Corporation, Metropolis, Ill. Canopy. 2,502,103, Mar. 28.
Pulsford, Ernest, Nutley, N. J. Intermittent slide grip drive. 2,518,177, Aug. 8.

Pulver, Roy G., Lansing, Mich., assignor, by mesne assignments, to Food Machinery and Chemical Corporation, San Jose, Calif. Spray nozzle with valved whirl plunger. 2,519,283, Aug. 15.

Pulver, Roy G., Lansing, and C. J. Griffith, Dimondale, Mich., assignors, by mesne assignments, to Food Machinery and Chemical Corporation, San Jose, Calif. Valved nozzle for fire fighting spray guns. 2,527,891, Oct. 31.

Pulverizing Machinery Company, assignee: *See*—
McNamara, William W.
Sheldon, William M.

Puma, Onofrio, Brooklyn, N. Y. Puncture resisting pneumatic vehicle tire. 2,516,415, July 25.

Pummill, Edwin W., Indianapolis, Ind. Self-locking nut and washer. 2,520,259, Aug. 29.

Pumphrey, James O., Staten Island, N. Y. Soap dispenser. 2,524,137, Oct. 3.

Pumphrey, William H., Sr.: *See*—
Spinasse, Arthur E., and Pumphrey.

"Pump-It" Incorporated, assignee: *See*—
Bacheller, "D" Flavius.

Punch Engineering Pty. Limited, assignee: *See*—
Skillman, Thomas S.

Punch-Lok Company, assignee: *See*—
Ott, John E.

Punsky, Donald L., La Porte, Ind., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Power shaft shield. 2,514,089, July 4.

Punte, William F.: *See*—
Coyle, John, and Punte.

Purcell, Arthur N., Flushing, N. Y. Wash line holder. 2,494,962, Jan. 17.

Purcell, Edward M., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Wave guide coupler. 2,516,528, July 25.

Purcell, Glenn, Hillsdale, N. J., and D. C. Hausch, Jackson Heights, N. Y., assignors to Shell Development Company, San Francisco, Calif. Production of xylenes. 2,496,253, Jan. 31.

Purcell, Howard M.: *See*—
Geiger, George W., and Purcell.

Purcell, Howard M., Mount Gilead, Ohio, assignor to H-P-M Development Corporation, Wilmington, Del. Variable delivery gear pump. 2,526,830, Oct. 24.

Purcell, Howard M., Mount Gilead, Ohio, assignor to H-P-M Development Corporation, Wilmington, Del. Fluid operable apparatus. 2,529,309, Nov. 7.

Purcell, Howard M., Mount Gilead, Ohio, assignor to H-P-M Development Corporation, Wilmington, Del. Method and apparatus for molding. 2,534,988, Dec. 19.

Purcell, Howard M., Philadelphia, Pa., assignor to H-P-M Development Corporation, Wilmington, Del. Variable pressure hydraulic control circuit for fluid actuated rams. 2,507,868, May 16.

Purcell, Howard M., Philadelphia, Pa., assignor to H-P-M Development Corporation, Wilmington, Del. Hydraulic press control circuit embodying fluid pressure intensifying means. 2,511,541, June 13.

Purdue Research Foundation, assignee: *See*—
Bachman, Gustave B., and Stempel.
Benzer, Seymour.
Christian, John E., and Jenkins.
Hass, Henry B., and Blickenstaff.
Lark-Horovitz, Karl, and Whaley.
Ligett, Waldo B., McBee and Lindgren.
McBee, Earl T., and Baranauckas.
McBee, Earl T., and Bolt.
McBee, Earl T., and Hodnett.
McBee, Earl T., and Newcomer.
McBee, Earl T., and Robb.
McBee, Earl T., and Wiseman.
Whaley, Randall M.

Purdum, Genevieve A., Boring, Oreg. Animated toy. 2,535,230, Dec. 26.

Purdy, Rolland M., Bainbridge, and H. Winkler, Sidney, assignors to Bendix Aviation Corporation, New York, N. Y. Ignition apparatus. 2,525,180, Oct. 10.

Purdy, William G.: *See*—
Bender, Welcome W., Jr., Bergen and Purdy.

Pure Oil Company, The, assignee: *See*—
Annable, Weldon G.
Ayers, George W., and Harton.
Bell, Richmond T.
Bell, Richmond T., and Thacker.
Bond, Donald C.
Bond, Donald C., and Russell.
Bond, Donald C., and Savoy.
Ellison, Lynn E.
Holkins, Hillis O.
Moir, Harry L.
Moth, Robert H.
Porter, Charles A., and Marisic.
Wilder, Austin B.

Purgett, Delmar L., Chicago, Ill. Orthopedic device. 2,498,115, Feb. 21.

Purifoy, George R.: *See*—
Burkhardt, Robert E., and Purifoy.
Riley, Lynn G., and Purifoy.

Purington, Ellison S., Gloucester, Mass., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Navigational system with beacon for determining angular position and distance. 2,503,412, Apr. 11.

Purington, Ellison S., Gloucester, Mass., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Radio control system. 2,510,139, June 6.

Purington, Ellison S., Gloucester, Mass., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Remote-control system. 2,522,893, Sept. 19.

Purinton, John B., Cumberland, Md. Insulated building block. 2,518,640, Aug. 15.

Purity Research & Development Corporation, assignee: *See*—
Copenhaver, Elmer L.

PurOlator Products, Inc., assignee: *See*—
Kovacs, Julius P., and Hultgren.

Purpura, August C., assignor to Sunbeam Corporation, Chicago, Ill. Automatic coffee maker. 2,504,728, Apr. 18.

Pursell, Phil B., Kansas City, Kans. Oven. 2,530,177, Nov. 14.

Pursley, David I.: *See*—
Benoist, Louis A., and Pursley.

Purvin, Benjamin R.: *See*—
Strickland, Harold A., Jr., Purvin, and Riddell.

Puryear, Oney P.: *See*—
Ashburn, Harry V., Barnett and Puryear.
Knowles, Edwin C., Eckert, and Puryear.
Langer, Theodore W., and Puryear.

Puschel, William H., Chicago, Ill., T. E. Smith, and H. W. Garrett, Elwood, Ind., assignors to Continental Can Company, Inc., New York, N. Y. Swab apparatus for applying acid to can body blanks. 2,500,568, Mar. 14.

Push-Back Chair Co., assignee: *See*—
McDonald, Sterling B.

Puster, Louis M., Knoxville, Tenn., assignor to Robertshaw-Fulton Controls Company. Fluid controlling valve. 2,514,514, July 11.

Putman, Roy E., Springfield, Mo. Hand cart for milk cans and the like. 2,522,894, Sept. 19.

Putnam, Charles P., and W. E. B. Baker, Lock Haven, Pa., assignors to New York and Pennsylvania Co., Inc., New York, N. Y. Web coating apparatus. 2,511,415, June 13.

Putnam, John P., assignor, by mesne assignments, to The Reece Corporation, Boston, Mass. Navigation map gauge. 2,514,455, July 11.

Putnam Needle Company, The, assignee: *See*—
Dean, Elliott D., and Rogers.

Putnam, Robert B., assignor to Fenimore Fabrics, Incorporated, Cobleskill, N. Y. Cone holder. 2,529,351, Nov. 7.

Putnam, Robert C., Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Tanning with esters of chloroformic acid in a nonaqueous medium. 2,523,324, Sept. 26.

Putnam, Robert C., Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Tanning in a nonaqueous medium. 2,523,325, Sept. 26.

Putnam, Robert C., Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Tanning with organic isocyanates in a nonaqueous medium. 2,523,326, Sept. 26.

Putnam, Stearns T.: *See*—
Fieser, Louis F., Harris, Hershberg, Morgana, Novello, and Putnam.

Putnam, Stearns T., Newark, assignor to Hercules Powder Company, Wilmington, Del. Copolymers and preparation. 2,510,902, June 6.

Putnam, Stearns T., Roselle, assignor to Hercules Powder Company, Wilmington, Del. Resin acid nitriles. 2,534,297, Dec. 19.

Putnam, Stephen R., Quincy, Mass. Mixer valve. 2,525,313, Oct. 10.

Putriment, Peter L., assignee: *See*—
Turgeon, Edmond.

Putt, Donald R., Jersey City, N. J. Instrument for testing tachometers and speedometers. 2,493,028, Jan. 3.

Putt, Donald R., Jersey City, N. J. Magnetic storage comparing and control system. 2,533,326, Dec. 12.

Putz, Thomas J., Upper Darby, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Turbine apparatus. 2,493,641, Jan. 3.

Pye, Carl F., Winnipeg, Manitoba, Canada. Boat bailer. 2,530,664, Nov. 21.

Pye, Harold C., Oak Park, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Antisidetone and line balancing substation circuits for telephone systems. 2,518,178, Aug. 8.

Pye, Harold C., Oak Park, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Telephone substation apparatus for local and common battery service. 2,529,418, Nov. 7.

Pye Limited, assignee: *See*—
Babbs, Cyrus H.
Bowyer-Lowe, Albert C., and Peach.
Dalgleish, James W.
Dalgleish, James W., and Higginbottom.
Edwards, Baden J.
Edwards, Baden J., and Germany.
Hughes, Denis H.

Pye Limited, assignee: *See*—Continued.
Lawrence, Nathaniel Q., Germany, and Babbs.
Lawson, Dennis I.
Lord, Arthur V.
Weighton, Donald.

Pyle, Cyrus, New Castle, and J. A. Lane, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Formaldehyde concentration. 2,527,654, Oct. 31.

Pyle, Cyrus, New Castle, Del., and J. A. Lane, Oak Ridge, Tenn., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Concentration of formaldehyde. 2,527,655, Oct. 31.

Pyle, George H.: *See*—
Gloor, Walter E., and Pyle.
Koch, William, and Pyle.

Pyle, John V., Briar Cliff Manor, assignor to Kennedy-Van Saun Mfg. & Eng. Corp., New York, N. Y. Tubular air preheater for steam generator units and the like. 2,500,771, Mar. 14.

Pyle, John V., Briar Cliff Manor, assignor to Kennedy-Van Saun Mfg. & Eng. Corp., New York, N. Y. Capacity control for steam generators. 2,520,510, Aug. 29.

Pyle, Leslie R., assignor to Locomotive Firebox Company, Chicago, Ill. Locomotive front end. 2,528,287, Oct. 31.

Pyle-National Company, The, assignee: *See*—
Howard, Charles L.
Pearson, William C.
Raider, George K.

Pyle, Ray S., assignee: *See*—
Fabrizio, Tito.

Pyle, Robert H., assignor to Western Filter Co., Denver, Colo. Adjustable head liquid discharge control. 2,523,634, Sept. 26.

Pyle, Ross S., assignor to Collins Radio Company, Cedar Rapids, Iowa. Selective shaft positioning control. 2,533,398, Dec. 12.

Pyrene Company Limited, The, assignee: *See*—
Clifford, Wilfred J., and Adams.

Pyrene Development Corporation, assignee: *See*—
Bedford, Howard E., and Hall.

Pyrene Manufacturing Company, assignee: *See*—
Smye, Arthur.

Pyridium Corporation, assignee: *See*—
Friedman, Harris L., and Tolstoouhov.

Quackenbush, Cleveland H., and J. L. Quackenbush, Glendale, assignors to Logan Electric Products, Inc., Pasadena, Calif. Electric shaver. 2,500,378, Mar. 14.

Quackenbush, Edward W., Chicago, Ill. Article winding and packaging machine. 2,521,253, Sept. 5.

Quackenbush, Franks, Herkimer, N. Y. Secondary windshield for convertible automobiles. 2,530,266, Nov. 14.

Quackenbush, John L.: *See*—
Quackenbush, Cleveland H. and J. L.

Quad-City Engineering Co., assignee: *See*—
Johnson, Bert H.

Quaife, Mary L., assignor, by mesne assignments, to Eastman Kodak Company, Rochester, N. Y. Separating mixtures of tocopherols. 2,499,778, Mar. 7.

Quaker Foundation, Inc., assignee: *See*—
Unwin, Kenneth J.

Quaker Oats Company, The, assignee: *See*—
Allison, Jim E.
Andrews, Edward D.
Cheeseman, George W., and Chomis.
Cravis, William B.
Dunlop, Andrew P., and Stout.
Dunlop, Andrew P., and Washburn.
Gustavson, Elmer G.
Shiver, Henry E.
Stake, John A.

Quaker Stretcher Company, assignee: *See*—
Block, Walter W.

Quale, Gertrude C., Rochester, Minn. Flexible hemming product. 2,526,156, Oct. 17.

Qualheim, Harold J.: *See*—
Qualheim, Sverre C. and H. J.

Qualheim, Sverre C. and H. J., Racine, Wis. Flush tank drip pan. 2,509,881, May 30.

Qualitrol Corporation, assignee: *See*—
Ford, George E.

Qualler, Clifford L.: *See*—
Eserkaln, Theodore F., and Qualler.

Quam, James P., assignor to Quam-Nichols Company, Chicago, Ill. Manufacturing loud speakers. 2,524,297, Oct. 3.

Quam, James P., assignor to Quam-Nichols Company, Chicago, Ill. Magnetic focusing device. 2,533,687, Dec. 12.

Quam, James P., assignor to Quam-Nichols Company, Chicago, Ill. Focusing device. 2,533,688, Dec. 12.

Quam, James P., assignor to Quam-Nichols Company, Chicago, Ill. Magnetic focusing device. 2,533,689, Dec. 12.

Quam-Nichols Company, assignee: *See*—
Quam, James P.

Quam, Ranold F., Milwaukee, Wis. Vessel filling valve. 2,512,965, June 27.

Quam, Ranold F., Milwaukee, Wis. Vessel filling valve. 2,512,966, June 27.

Quarfoot, Harry B., assignor to Cardox Corporation, Chicago, Ill. Pressure vessel assembly. 2,512,552, June 20.

Quarles, Donald A., Englewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Frequency modulation system for locating impedance irregularities. 2,499,000, Feb. 28.

Quarnstrom, Ivar T., Detroit, Mich. Ejector box for a mold base. 2,512,379, June 20.

Quarrie, Eugene A., assignee: *See*—
Foerste, William.

Quart, Thure A., Hartford, Conn. Combustion tube oil burner. 2,500,324, Mar. 14.

Quartel, Clara, assignee: *See*—
De Ville, Edward J.

Quartullo, Orpheus F., South Euclid, assignor to The Euclid Road Machinery Co., Euclid, Ohio. Sliding ball and socket coupling. 2,512,380, June 20.

Quartullo, Orpheus F., South Euclid, Ohio. Horseshoe. 2,529,419, Nov. 7.

Quayle, George, Philadelphia, Pa., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Lifting mechanism for industrial trucks. 2,510,037, May 30.

Quayle, George F., Philadelphia, Pa., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Pallet truck. 2,498,504, Feb. 21.

Quayle, George F., Philadelphia, Pa., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Industrial truck. 2,518,251, Aug. 8.

Quayle, Le Roy A., Carbondale, Ill., assignor to The Sherwin-Williams Co., Cleveland, Ohio. Dispensing apparatus. 2,507,269, May 9.

Quednau, Walter J., North Tonawanda, N. Y. Chord indicator and transposer. 2,517,026, Aug. 1.

Queen, Charles D., Cleveland, Ohio. Remote-control latch. 2,512,776, June 27.

Queen Cutlery Company, assignee: *See*—
Erickson, Eric C.

Queirolo, William, San Francisco, Calif. Feeding conveyer. 2,502,341, Mar. 28.

Queitzsch, Karl E., York, Pa. Quick release chuck. 2,517,346, Aug. 1.

Quercia, Marcel, Paris, and G. Ferdinand, Nogent-sur-Marne, France. Pocket gas lighter. 2,495,345, Jan. 24.

Quercia, Marcel, Paris, and G. Ferdinand, Nogent-sur-Marne, France. Ignition device for lighters and like apparatus. 2,502,533, Apr. 4.

Quercia, Marcel, Paris, and G. Ferdinand, Nogent-sur-Marne, France. Lighter or igniter. 2,509,744, May 30.

Quercia, Marcel, Paris, and G. Ferdinand, Nogent-sur-Marne, France. Lighter using a gaseous fuel. 2,515,733, July 18.

Quercia, Marcel, Paris, and G. Ferdinand, Nogent/Marne, France. Lighter using gaseous fuel. 2,535,452, Dec. 26.

Quick, Donald, and L. F. Turnbull, assignors to Kingsboro Silk Mills, Inc., Daisy, Tenn. Stop motion for warp knitting machines. 2,514,719, July 11.

Quick, Madeleine B. and S. H., Rockaway Park, N. Y. Magnetic motor. 2,505,429, Apr. 25.

Quick, Robert G., Silver Spring, Md. Centrifugal vacuum tube tester. 2,535,091, Dec. 26.

Quick, Stephen H.: *See*—
Quick, Madeleine B. and S. H.

Quick, Thomas E., Wichita, Kans. Internal-combustion engine. 2,511,992, June 20.

Quick-Set, Incorporated, assignee: *See*—
Mooney, Raymond.

Quigg, Donald J., Bartlesville, Okla., assignor to Phillips Petroleum Company. Pebble heater apparatus. 2,505,257, Apr. 25.

Quill, Joseph S.: *See*—
Moyer, Elmo E., and Quill.

Quillen, Clarence A., assignor, by mesne assignments, to Russell F. Peterson, Indianapolis, Ind. Open display refrigerated case. 2,513,675, July 4.

Quilter, John R. C., Woking, England. Parachute pack. 2,498,505, Feb. 21.

Quilter, John R. C., Woking, England. Parachute control apparatus. 2,505,869, May 2.

Quilter, John R. C., Woking, England. Parachute. 2,517,417, Aug. 1.

Quilter, John R. C., Woking, England. Frictional locking buckle. 2,528,078, Oct. 31.

Quimby, Oscar T.: *See*—
Holman, George W., and Quimby.

Quimby, Robert S.: *See*—
John, Frank H., and Quimby.

Quimper, Anthony A., Westfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Carbonator apparatus. 2,497,741, Feb. 14.

Quimper, Anthony A., Westfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Pumping mechanism. 2,506,434, May 2.

Quinby, Byron W., Larned, and J. H. Quinby, Sun City, Kans. Removable metal honda. 2,518,179, Aug. 8.

Quinby, Jesse H.: *See*—
Quinby, Byron W. and J. H.

Quinlan, Amos L., La Grange Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Aligning and gauging fixture. 2,527,150, Oct. 24.

Quinn, Aloysius J., North Bergen, N. J. Deck-access box. 2,515,837, July 18.

Quinn, Clara E., assignor to F. S. Reed, St. Petersburg, Fla. Carbon dioxide refrigerating apparatus. 2,511,176, June 13.
Quinn, Eugene A.: *See*—
Richard, Joseph E., and Quinn.
Quinn, Frederic R., Schenectady, N. Y., assignor to General Electric Company. Electric control element. 2,528,243, Oct. 31.
Quinn, Gerald S., Salem, and O. Mann, Danvers, assignors to Sylvania Electric Products, Inc., Salem, Mass. Lamp exhaust tube bending apparatus. 2,504,938, Apr. 18.
Quinn, Joseph M., Scranton, Pa. Apparatus for automatically and continuously treating photographic film. 2,527,959, Oct. 31.
Quinn, Orion T., Sr., assignor, by mesne assignments, to Apex Steel Corporation, Ltd., Los Angeles, Calif. Baling press. 2,503,354, Apr. 11.
Quinn, Robert G., Boundbrook, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Roofing felt. 2,503,454, Apr. 11.
Quinn, Wesley, assignee: *See*—
Broome, Tally A.
Quinn, William H., West Orange, N. J. Massaging apparatus. 2,519,790, Aug. 22.
Quinnell, LaVern E., assignor to The Magnavox Company, Fort Wayne, Ind. Electric primary cell. 2,525,270, Oct. 10.
Quint, Georges, Saint-Quentin, France. Internal-combustion engine with complete expansion. 2,525,271, Oct. 10.
Quintrell, Ralph R., Etowah, Tenn. Coin controlled dispenser. 2,499,969, Mar. 7.
Quintus, Paul E., assignee: *See*—
Ott, Friedrich.
Quiquerez, Joseph: *See*—
Gislon, Andre, and Quiquerez.
Quirion, Roland L., Waterville, Maine. Eye-screw driving tool. 2,512,967, June 27.
Quirk, Arthur L., North Providence, R. I., assignor to Harvey Radio Laboratories, Inc., Cambridge, Mass. Current supply system. 2,502,342, Mar. 28.
Quiroga, Juan J.: *See*—
Carvajal, Roberto, and Quiroga.
Quiroz, Francisco A., Newark, N. J. Rotary pump or motor. 2,510,903, June 6.
Quiroz, Francisco A., Newark, N. J. Apparatus for extracting juice from citrus fruits and the like. 2,522,800, Sept. 19.
Quist, Cornelius: *See*—
Weyenberg, Henry and Quist.
Quist, Cornelius, Grand Rapids, assignor to Holland Furnace Company, Holland, Mich. Crushed-fuel stoker having means for equalizing the distribution of fuel upwardly in the retort. 2,497,628, Feb. 14.
Quist, Harold A., Drexel Hill, assignor to Sun Oil Company, Philadelphia, Pa. Liquid sealed valve. 2,527,892, Oct. 31.
Quist, Harold A., Elkton, Md., assignor to Sun Oil Company, Philadelphia, Pa. Liquid seal level gauge. 2,532,940, Dec. 5.
R. D. D. Company, assignee: *See*—
Williams, Trevor M.
R & E Appliance Company, assignee: *See*—
Ensminger, Arthur A.
Raab, Russell, assignor to Ductile Chrome Process Co., Detroit, Mich. Electrodeposition of chromium. 2,517,441, Aug. 1.
Raab, Walter, Albany, N. Y. Combined bottle top and applicator. 2,529,964, Nov. 14.
Raabe, Carl A., assignor to American Phenolic Corporation, Chicago, Ill. Loop antenna. 2,528,667, Nov. 7.
Rabak, William, Berkeley, Calif. Sealed container. 2,522,961, Sept. 19.
Rabasse, Marie S., and L. Sablon, Los Angeles, Calif. Hanger. 2,527,151, Oct. 24.
Rabb, Irving L., assignee: *See*—
Snyder, Francis H.
Rabe, William, Los Angeles, Calif. Indicator. 2,493,313, Jan. 3.
Rabell, Miriam E., New York, N. Y. Tampon. 2,499,414, Mar. 7.
Rabenda, Edward J., R. E. Page, and H. S. Beattie, Poughkeepsie, assignors to International Business Machines Corporation, New York, N. Y. Sub and grand total printing, resetting and amount transfer mechanisms. 2,518,063, Aug. 8.
Rabenda, Edward J., R. E. Page, and H. S. Beattie, Poughkeepsie, assignors to International Business Machines Corporation, New York, N. Y. Accounting machine for repeating total printing cycle when error in accumulator reset is ascertained. 2,521,408, Sept. 5.
Rabenhorst, David W., Granby, Conn., assignor to the United States of America as represented by the Secretary of the Navy. Test airfoil. 2,523,481, Sept. 26.
Rabinow, Jacob, Takoma Park, Md., assignor to the United States of America as represented by the Secretary of War. Reversing acceleration integrator. 2,496,310, Feb. 7.
Rabinow, Jacob, Washington, D. C., assignor to the United States of America as represented by the Secretary of the Navy. Mechanical acceleration integrator. 2,522,536, Sept. 19.
Rabinow, Jacob, Washington, D. C., assignor to the United States of America as represented by the Secretary of the Navy. Remote-control mechanism. 2,523,327, Sept. 26.
Rabinow, Morris Z., Newark, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Reel support. 2,504,046, Apr. 11.
Rabinowitz, Abraham: *See*—
Rabinowitz, Leib and A.
Rabinowitz, Jacob, Brooklyn, assignor to Pavelle Color Incorporated, New York, N. Y. Reexposure apparatus. 2,508,928, May 23.
Rabinowitz, Leib and A., Brooklyn, N. Y. Venetian blind and locking the same. 2,523,392, Sept. 26.
Rabinowicz, Mechal, London, England. Wireless receiving apparatus. 2,514,670, July 11.
Rabishaw, Samuel B.: *See*—
Parr, Lloyd T., and Rabishaw.
Rabjohn, Lloyd E., Glendale, Calif. Beverage container and support therefor. 2,494,719, Jan. 17.
Rabjohn, Lloyd E., Glendale, Calif. Beverage container and conditioner. 2,502,589, Apr. 4.
Rabjohn, Norman: *See*—
Flory, Paul J., and Rabjohn.
Rabjohn, Norman, assignor to Wingfoot Corporation, Akron, Ohio. Isomers of phthaloyl chloride. 2,525,722, Oct. 10.
Rabjohn, Norman, assignor to Wingfoot Corporation, Akron, Ohio. Acid chlorides of polybasic acids. 2,525,723, Oct. 10.
Rabkin, William, A. Lissiansky, and A. Sebestyen, New York, assignors to International Mutoscope Corporation, Long Island City, N. Y. Automatic picture-taking and finishing apparatus. 2,532,855, Dec. 5.
Rabl, Alfred, Vienna, Austria. Bicycle hub dynamo. 2,535,453, Dec. 26.
Rabon, Melton G., assignor of one-half to E. G. Bumgardner, Columbia, S. C. Pump operator. 2,521,871, Sept. 12.
Race, Austin T., Jr., Winter Haven, Fla. Ladder. 2,511,077, June 13.
Race, Francis R., assignor to F. C. Huyck & Sons, Rensselaer, N. Y. Device for marking loom filling bobbins. 2,526,502, Oct. 17.
Rachels, E. T., Jr., administrator: *See*—
Rachels, Edward T.
Rachels, Edward T., deceased, Cordele, Ga.; E. T. Rachels, Jr., administrator. Livestock-loading chute. 2,517,348, Aug. 1.
Rachels, Wilbur C., Rock Island, Ill. Cutting machine. 2,498,707, Feb. 28.
Rachic, Joseph, Bessemer, Pa. Flowerpot holder. 2,504,583, Apr. 18.
Rachlin, Max, Flushing, N. Y. Sheet metal downspout shoe. 2,504,448, Apr. 18.
Rachlin, Max, Flushing, N. Y. Downspout hook and making same. 2,514,256, July 4.
Rachlin, Max, Flushing, N. Y. Bracket and channel circle gutter support. 2,534,145, Dec. 12.
Racine, George A. J.: *See*—
Wickman, Helmer W., and Racine.
Racine Tool & Machine Company, assignee: *See*—
Kind, Frederick H.
Rack, Alois J., Millington, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Decoder for pulse code modulation. 2,514,671, July 11.
Rack, Alois J., Millington, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Vernier pulse code communication system. 2,530,538, Nov. 21.
Rack, Edward R.: *See*—
Biermann, William A., and Rack.
Rackett, Gerald F., Los Angeles, assignor to Technicolor Motion Picture Corporation, Hollywood, Calif. Photographic light-sensitive element and using it. 2,523,843, Sept. 26.
Rackle, Joseph W.: *See*—
Farkas, Eugene J., and Rackle.
Rackleff, Lyman E., Los Angeles, Calif. Shinge grooving machine. 2,516,484, July 25.
Raczkowski, Edward, Bronx, N. Y. Profile building puzzle. 2,493,697, Jan. 3.
Raczynski, Walter A., assignor to Hercules Powder Company, Wilmington, Del. Abletyl borates. 2,510,904, June 6.
Raczynski, Walter A., assignor to Hercules Powder Company, Wilmington, Del. Hydroxylation of ethylenically unsaturated compounds. 2,510,905, June 6.
Radcliffe, Bernice E., Kansas City, Kans. Toy puzzle. 2,512,873, June 27.
Radcliffe, George E., Cincinnati, Ohio. Motor control for refrigeration systems. 2,519,700, Aug. 22.
Radde, Arthur H., Middlefield, assignor to The Vichek Tool Company, Cleveland, Ohio. Hinge for plastic receptacles. 2,534,989, Dec. 19.
Radeker, Lee A.: *See*—
Gates, Louis E., and Radeker.
Rader, Frederick S., Casper, Wyo. Oscillating signal reflector for vehicles. 2,503,509, Apr. 11.
Radewald, Karl B., Niles, Mich. Reflecting multiple sight line orientation instrument. 2,521,872, Sept. 12.
Radford, Frederick W., assignee: *See*—
Attenborough, William.
Radford, George T.: *See*—
Devine, John U., Radford, and Gettig.

Radford, Harold, assignor to Harold Radford & Company Limited, London, England. Vehicle seat. 2,502,061, Mar. 28.
Radford, Harold, & Company Limited, assignee: *See*— Radford, Harold.
Radford, Herschel D., Columbia, Mo., assignor to Pan American Refining Corporation, Texas City, Tex. Catalytic conversion of hydrocarbons. 2,525,814, Oct. 17.
Radford, Herschel D., Columbia, Mo., and R. J. Lee, La Marque, assignors to Pan American Refining Corporation, Texas City, Tex. Making methyl benzenes. 2,526,899, Oct. 24.
Radford, Hershel D., Columbia, Mo., R. J. Lee, La Marque, and P. S. Drennan, assignors to Pan American Refining Corporation, Texas City, Tex. Cracking with hydrogen fluoride catalyst. 2,527,573, Oct. 31.
Radi, Lino J.: *See*— Nichols, Joseph, and Radi.
Radio Corporation of America, assignee: *See*—
Allen, Horace C.
Anderson, Leslie J.
Anderson, Leslie J., and Kettler.
Anderson, Warren A.
Andrews, Dallas R.
Arnett, William V.
Artzt, Maurice.
Atwood, John B., and Hansell.
Atwood, John B., and Schock.
Atwood, John B., and Schoenborn.
Barco, Allen A.
Bartelson, Sten E.
Beard, Joseph G.
Beard, Joseph G., and Dressler.
Beard, Joseph G., Harralson, and Kreithen.
Bedford, Alda V.
Beers, George L.
Beers, Roy A., Jr.
Beleskas, Stanley M.
Bierwirth, Rudolph A.
Blancha, Felix C.
Blaney, Dorothy L.
Bliss, Warren H.
Blitz, Daniel.
Bond, Donald S., Gerlach, and Thompson.
Bond, Donald S., and Thompson.
Braden, Rene A.
Brady, Bernard L.
Brenkert, Karl.
Brown, George H.
Brown, George W.
Bucher, Thomas T. N.
Buder, Spurgeon H., and Eichelberger.
Burnside, Don G.
Burroughes, Eric R.
Cain, Elmer B.
Callaghan, John D.
Canfora, Arthur E.
Canfora, Arthur E., and Thomas.
Carlson, Wendell L.
Carlson, Wendell L., and Harvey.
Carne, Gerald G.
Carson, Benjamin R.
Carter, Philip S.
Christenson, Donald L.
Christian, Schuyler M.
Clark, Edwin L., and Wright.
Clark, John F., III.
Coate, Ralph S.
Cole, Ben R.
Collins, Milford E.
Cooper, Victor J.
Corrington, Murlan S.
Crosby, Murray G.
Cunningham, David H.
Daly, George M.
Darling, Woodrow.
Dean, William W. H.
De Vore, Henry B.
Dewhurst, Wallace W., and Bennett.
Dimmick, Glenn L.
Donal, John S., Jr.
Donal, John S., Jr., Brown, and Cuccia.
Donal, John S., Jr., Bush, and Cuccia.
Donley, Hugh L., and Wentworth.
Dornfeld, Edmund G.
Dow, Orville E.
Duke, Vernon J.
Duke, Vernon J., and Goodale.
Duncan, Robert K.
Eberhard, Everett.
Engstrom, Elmer W., and Sziklai.
Engstrom, Ralph W., and Pietenpol.
Epstein, Arnold S., and Kreithen.
Epstein, David W.
Ergen, William K.
Eskuchen, Frank G.
Evans, John.
Ewing, Douglas H.
Fernsler, George L.
Ferris, Warren R.
Finch, James L.
Flory, Leslie E.
Flory, Leslie E., Ruedy, and Morton.
Fox, Roy H.
Radio Corporation of America, assignee: *See*—Continued.
Franklin, Ralph E., and Miller.
Freas, Robert R.
Freas, Robert R., Jr.
Freas, Robert R., Jr., and Lawrence.
Fredendall, Gordon L.
Fredendall, Gordon L., and Schroeder.
Friend, Albert W.
Fritsch, John W.
Gehman, John B.
Giacoletto, Lawrence J.
Gillespie, Charles N.
Gluyas, Thomas M., Jr.
Goddard, De Witt R.
Goddard, De Witt R., and MacLean.
Goldberg, Edwin A.
Goldsmith, Alfred N.
Goldstine, Hallan E.
Good, Lowell H.
Goodrich, Hunter C., Jr.
Graham, George K.
Green, Ernest, and Stokes.
Greenough, Maurice L.
Greig, Harold G.
Grosdoff, Igor E.
Grundmann, Gustave L.
Gubin, Samuel.
Haeff, Andrew V.
Haller, Cecil E.
Hammond, John H., Jr.
Hanchett, George D., Jr.
Hansell, Clarence W.
Hansell, Grant E.
Harbaugh, Fred J
Harralson, Robert W.
Harris, Walter A.
Hart, Stephen V.
Harvey, Robert L., and Burns, Jr.
Hathaway, Jarrett L.
Haynes, Harold E.
Hegbar, Howard R.
Henderson, Roy A.
Herbst, Philip J
Herold, Edward W.
Herscher, Marcus B., and Bov.
Hershberger, William D.
Herzlinger, Joseph I.
Hillier, James.
Hoeff, Andrew V.
Hoehn, John J., and Zimmerman.
Holst, Paul F. G., and Kirkwood.
Houghton, William D.
Howard, Robert R., and Himmel.
Hoyler, Cyril N.
Hoyler, Cyril N., and Bierwirth.
Hulst, George D., Jr.
Hunt, Edward W.
Iams, Harley.
Iams, Harley, and De Vore.
Iams, Harley A.
Isom, Warren R.
Jensen, Arthur S., and Flory.
Johnson, Ernest O.
Johnson, Harwick.
Johnson, Ralph E.
Jones, Loren F.
Joy, Joseph E.
Kahn, Alfred.
Kahn, Leonard R.
Keizer, Eugene O.
Kelar, Joseph.
Kell, Ray D.
Kell, Ray D., and Sziklai.
Kellogg, Edward W.
Kelly, Norval R.
Kemp, Roland J., and Fewings.
Kennedy, Gilbert J.
Kennedy, Ralph C.
Kihn, Harry.
King, Louis A.
Klingaman, George W.
Knox, Robert N.
Koch, Winfield R.
Korman, Nathaniel I.
Korman, Nathaniel I., and Sonthelmer.
Körös, Ladislao.
Kreithen, Alexander.
Kreuzer, Barton, and Goshaw.
Kumpf, George A.
Lane, Albert E., and Thompson.
Laport, Edmund A.
Law, Harold B.
Law, Russell R.
Lawrence, Howard C., Jr.
Levenson, Donald W.
Leverenz, Humboldt W.
Liebscher, Arthur.
Lindenblad, Nils E.
Linder, Ernest G.
Lockhart, Robert K.
Luck, David G. C.
Lyons, Walter.
Mackey, Donald
MacLatchie, Robert, Jr.

Radio Corporation of America, assignee: *See*—Continued.
MacSorley, Olin L.
Malcom, Robert L.
Maloff, Ioury G.
Malter, Louis.
Marshall, John N.
Martin, Charles A.
Martin, Daniel W.
Martin, Herschel B., and Neumann.
Masters, Robert W.
Masterson, Earl E.
Masterson, Earl E., and Urquhart.
Matthews, Walter I.
Mautner, Robert S.
McKellip, Spencer W.
Mell, Clifford W., Ballentine, and O'Neill.
Melman, Israel J.
Meneley, Carl A.
Mesner, Max H.
Miller, William A.
Miller, William P., and Ransburg.
Million, John W., Jr.
Milwitt, William, and Schoenfeld.
Minneman, Milton J.
Mitchell, John C. E.
Moore, Harold A.
Moore, James R.
Moore, Raymond P., Jr.
Morrison, William B.
Morton, George A.
Mueller, William A.
Murakami. Tomomi.
Mural, Frank.
Neilson, Phineas J.
Nelson, Herbert.
Nergaard. Leon S.
Nicoll, Frederick H., and Williams.
Obert, Maximillan J., and Clark.
O'Dea, Dorothy L.
Olson, Harry F.
Olson, Harry F., and Preston.
Oman, Nils J.
Pan, Wen Y., and Longo.
Parker, William N.
Perkins, Theodore B.
Pessel, Leopold.
Peterson, Harold O.
Peterson, Harold O., and Schock.
Peterson, Harold O., and Trevor.
Pettus, James L., and Bartelson.
Phelps, George N.
Poch, Waldemar J.
Pontius, Frank E.
Pratt, John H.
Price, James F.
Price, Thomas H.
Purington, Ellison S.
Rajchman, Jan A.
Rajchman, Jan A., and Brown.
Rankin, John A., Alexander, and Deal.
Reinhold, Leonhard F.
Reisner, John H.
Reynolds, James H.
Rich, Charles W.
Roberts, Walter V.
Robinson, David H., and Dunn.
Roe, John H.
Roetter, Robert P.
Rogers, Gordon F.
Rose, Albert.
Rosencrans, Charles A.
Rosenthal, Fritz.
Ruggieri, Ernest P.
Sachtleben, Lawrence T.
Sachtleben, Lawrence T. and Pettus.
Sadowski, Edward M.
Sadowski, Edward M., and Miller.
Sadowski, Edward M., and O'Mahony.
Sands, William F.
Sands, William F., and Corrington.
Sanger-Stevens, James.
Sanger-Stevens, James W., and Wassell.
Schade, Otto H.
Schock, Robert E.
Schock, Robert E., Atwood, Peterson, and Hansell.
Schoenfeld, Earl H.
Schrader, Harold J.
Schroeder, Alfred C.
Schroeder, Alfred C., and Sziklai.
Seabert, John D.
Seeley, Stuart W.
Seybold, Arthur M.
Shankweiler, Ray G., and Blitz.
Sharp, Thomas C.
Shaw, Hubert R.
Shenk, Eugene R., and Liguori.
Shenk, Eugene R., and Phelps.
Shenk, Eugene R., and Weiner.
Shore, Lloyd G.
Shrader, Terry M.
Simons, Kenneth A.
Simpkiss, John O., Jr.
Simpson, Kenneth H.
Sinnett, Chester M.

Radio Corporation of America, assignee: *See*—Continued.
Smith, Arthur L. J.
Smith, J. Ernest, and Mathes.
Smith, John P.
Smith, Lester C.
Smith, Perry C.
Smith, Philip T.
Smith, Rogers M.
Smith, William F.
Snepvangers, René.
Sohon, Harry.
Somers, Frank J.
Spaulding, Frank E., Jr.
Spencer, James A.
Sperber, Edward J.
Spooner, John M., and Garner.
Sprecher, Noah E.
Sproull, Robert L.
Stolze, William J.
Stolze, William J., and Gow.
Stone, Robert P.
Story, Theodore H.
Sussman, Harry.
Swedlund, Lloyd E.
Sziklai, George C.
Sziklai, George C., and Schroeder.
Sziklai, George C., and Tarzian.
Taylor, Harry W.
Thomas, Lewis A., Spencer, and Shenk.
Thomas, Lucius P., Jr.
Thompson, Leland E.
Thomsen, Soren M.
Thomsen, Soren M., and Nicoll.
Tolson, Wilson J.
Torsch, Charles E.
Tourshou, Simeon I.
Trevor, Bertram.
Trevor, Bertram, and MacLean.
Truell, Rohn.
Tryon, Robert M.
Turner, Alfred H.
Turner, Willard H.
Usselman, George L.
Usselman, George L., and Young.
Varone, Ralph A.
Vasselli, Anthony J.
Vilkomerson, Benjamin S.
Wald, Sidney.
Walsh, Allen A.
Wang, Twen S.
Warwick, James C., Jr.
Weathers, Paul.
Webb, Richard C.
Wehner, Robert S.
Weimer, Paul K.
Weiner, James R.
Wendt, Karl R.
Wenger, Wiley D.
Wentworth, Chandler.
Weschler, William S., and Corporon.
Wheeler, Benjamin F.
Whittaker, James L.
Wing, Arthur K., Jr.
Wittenberg, Hubert H.
Wolf, Lester J.
Wolfe, Wallace V.
Wolff, Irving.
Wolff, Irving, and Herbst.
Woodward, John D.
Woodward, Oakley M., Jr.
Wright, Antony.
Wright, Antony, and Clark.
York, Raymond A., and Woll.
Young, Charles J.

Radio Frequency Laboratories, Inc., assignee: *See*—
Gersch, Adolph E.
Gilbert, Everett A.

Radio Heaters Limited, assignee: *See*—
Stanley, Edmund C.

Radio Industrie S. A., assignee: *See*—
Kahan, Theó, and Waché.

Radio Patents Corporation, assignee: *See*—
Guanella, Gustav.
Guanella, Gustav, and Güttinger.
Guanella, Gustav, and Steinmann.

Radio Receptor Company, Inc., assignee: *See*—
Goodman, Mac.

Radio-Television Institute, Inc., assignee: *See*—
Lindley, Frederick A.

Radiron Corporation, assignee: *See*—
Opperman, Roy.

Radis, Stanley, West Homestead, Pa. Operating lever for closing drop doors on railway hopper cars. 2,500,865, Mar. 14.

Raditz, Irvin H., Berwyn, Ill. Artificial mustache construction. 2,517,349, Aug. 1.

Radium Chemical Company, Inc., assignee: *See*—
Hissong, John R.

Radke, Carrol V., assignee: *See*—
Adams, Mozel A.

Radley, Jack A., Beddington, near Croydon, England, assignors to Imperial Chemical Industries Limited. Coloration of textile fabrics. 2,506,892, May 9.

Radlove, Sol B., assignor to The Maytag Company, Newton, Iowa. Modifying fatty oils. 2,497,689, Feb. 14.
Radlove, Sol B., assignor to The Maytag Company, Newton, Iowa. Isomerization of fatty oils. 2,501,851, Mar. 28.
Radlove, Sol B., assignor to The Maytag Company, Newton, Iowa. Continuous process for the dehydroxylation of castor oil. 2,515,797, July 18.
Radman, Frederick E., Roslyn, assignor to Philco Corporation, Philadelphia, Pa. Adjustable support for cathode-ray tubes. 2,528,973, Nov. 7.
Rado, John A., Little Neck, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Connector arranged for conducting heat and high-frequency currents. 2,521,945, Sept. 12.
Rado, Leopold, London, England. Repeatedly ignitable rod. 2,516,416, July 25.
Rado, Leopold, London, England. Flexible stock for picture frames. 2,516,417, July 25.
Rado, Leopold, London, England. Printing of plastics. 2,523,234, Sept. 19.
Rado, Leopold, London, England. Provide plastic articles with printing. 2,532,941, Dec. 5.
Rado, Leopold, Whitehaven, England. Collapsible tube-like container for pastes. 2,517,027, Aug. 1.
Rado, Leopold, Whitehaven, England. Production of containers filled with liquids or pastes. 2,530,400, Nov. 21.
Radonich, Marko: *See*—
Doull, Robert M., and Radonich.
Radovan, Joseph T., Long Island City, N. Y. Spinning top with attached flexible ball chain member. 2,535,157, Dec. 26.
Radtke, Adelbert C., Oak Park, Ill., assignor to International Harvester Company. Silo unloading device. 2,500,043, Mar. 7.
Radtke, James G., Rochester, N. Y. Edge finder. 2,533,198, Dec. 5.
Rady, William J.: *See*—
Little, John H., and Rady.
Rady, William J., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Battery charging system. 2,498,824, Feb. 28.
Rady, William J. and L. A. Rice, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Thermostatic compensating unit. 2,519,601, Aug. 22.
Radzinsky, Harry, assignee: *See*—
Brell, Jules J.
Radzyner, Samuel M., Chicago, Ill. Register. 2,502,590, Apr. 4.
Rae, Alexander J.: *See*—
Metcalfe, Clifford, and Rae.
Rae, Robert D.: *See*—
Sears, George R., Rae, and Van den Akker.
Raetsch, Bruno A., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Article-working apparatus. 2,509,073, May 23.
Raeuber, Arthur E., Jr.: *See*—
Martin, Wesley G., and Raeuber, Jr.
Raffa, Charles S., New York, N. Y. Frosted food cabinet. 2,523,593, Sept. 26.
Raffa, Dominic A., Brooklyn, N. Y. Match tip cigarette. 2,493,832, Jan. 10.
Raffeis, Henry, Huntington Park, Calif. Gravity fed dart magazine. 2,516,341, July 25.
Raffles, Frank, Chicago, Ill. Phonograph tone arm. 2,499,343, Feb. 28.
Raffold Process Corporation, assignee: *See*—
Rafton, Harold R.
Rafoth, Bennie A., Appleton, and G. E. Wauda, Neenah, assignors to Marathon Corporation, Rothschild, Wis. Carton. 2,509,616, May 30.
Rafter, Albert, Glen Ridge, assignor to Rafter Machine Company, Belleville, N. J. Clutch mechanism. 2,520,013, Aug. 22.
Rafter Machine Company, assignee: *See*—
Rafter, Albert.
Rafton, Harold R., Andover, Mass., assignor to Raffold Process Corporation. Treatment of pigment comprising calcium carbonate. 2,498,005, Feb. 21.
Ragan, Thomas M., Downey, assignor to Baker Oil Tools, Inc., Vernon, Calif. Pressure relieving apparatus. 2,502,886, Apr. 4.
Ragan, Thomas M., Downey, assignor to Baker Oil Tools, Inc., Vernon, Calif. Well plug. 2,507,270, May 9.
Ragatz, Eugene C.: *See*—
Matthias, Lynn H., and Ragatz.
Raggi, Joseph, New York, N. Y. Automatic beltmaking machine. 2,508,191, May 16.
Ragland, Thomas J., Seattle, Wash. Circular tie rack. 2,506,467, May 2.
Rago, Michael J., Kew Garden Hills, N. Y. Girdle. 2,519,602, Aug. 22.
Ragsdale, Alton H., Hemet, Calif. Top. 2,502,534, Apr. 4.
Rahmel, Henry A.: *See*—
Nielsen, Arthur C., and Rahmel.
Rahmel, Henry A., Evanston, assignor to A. C. Nielsen Company, Chicago, Ill. System for determining the listening habits of wave signal receiver users. 2,513,360, July 4.
Rahn, Orval W.: *See*—
Arenberg, Albert L., Nordquist, and Rahn.
Rahn, Stewart R.: *See*—
Cohen, Louis, and Rahn.
Rahrer, Francis W., Lakeland, Fla. Apparatus for removing juice from fruit. 2,511,374, June 13.
Raibourn, Paul: *See*—
Du Mont, Allen B., Raibourn, and Goldsmith, Jr.
Raibourn, Paul, Southport, Conn. Communication system. 2,515,263, July 18.
Raicy, Frank W., Portland, Oreg. Propulsion means for rowboats. 2,534,180, Dec. 12.
Ralder, George K., assignor to The Pyle-National Company, Chicago, Ill. Germicidal light arrangement for ventilated space. 2,533,690, Dec. 12.
Railway Electronics, Inc., assignee: *See*—
Spencer, William C., and Manty.
Railway Service and Supply Corporation, assignee: *See*—
Pearce, Edwin S., and Grisbaum.
Raimondi, Rinaldo, Zurich, Switzerland. Magazine pencil with selectively usable leads. 2,518,932, Aug. 15.
Rainey Accounting Machine Company, Inc., assignee: *See*—
Rainey, Clifton K.
Rainey, Challenor W., Ann Arbor, assignor to Ford Motor Company, Dearborn, Mich. Crest voltmeter. 2,497,272, Feb. 14.
Rainey, Clifton K., assignor, by mesne assignments, to Rainey Accounting Machine Company, Inc., Knoxville, Tenn. Typing and printing mechanism for accounting machines and the like. 2,496,357, Feb. 7.
Rainey, James L.: *See*—
Bock, Louis H., and Rainey.
Rainnie, Robert: *See*—
Fisher, Herman A., and Rainnie.
Rains, A. E., assignee: *See*—
Eller, Lee.
Rainville, Arthur E.: *See*—
Russell, Mark, and Rainville.
Raisch, Charles F., assignor to Stewart-Warner Corporation, Chicago, Ill. Collapsible drain. 2,535,955, Dec. 26.
Raison, Clifford G.: *See*—
Curd, Francis H. S., Landquist, Raison, and Rose.
Raiter, Sheldon J.: *See*—
Huetten, Clarence, and Raiter.
Raitt, Richard G., Elmira, N. Y. Picture hanger. 2,495,477, Jan. 24.
Raizen, Charles S., New Rochelle, N. Y. X-ray simulating toy. 2,527,332, Oct. 24.
Raizen, Charles S., New Rochelle, N. Y. Toy handweaving frame. 2,527,333, Oct. 24.
Rajan, Alexander A., San Francisco, Calif. Parking brake for vehicles. 2,504,729, Apr. 18.
Rajchman, Jan A., Princeton, N. J., assignor to Radio Corporation of America. Electronic discharge device. 2,494,670, Jan. 17.
Rajchman, Jan A., Princeton, N. J., assignor to Radio Corporation of America. Electron storage device with grid control action. 2,513,743, July 4.
Rajchman, Jan A., Princeton, N. J., and G. W. Brown, Ames, Iowa, assignors to Radio Corporation of America. Electronic adder. 2,503,765, Apr. 11.
Rake, Geoffrey W.: *See*—
Donovick, Richard, Koerber, and Rake.
Rakoczy, Leo, Detroit, Mich. Fishing reel. 2,515,896, July 18.
Rakos, Ernest, Bronx, assignor to National Engineering Company, New York, N. Y. Steam iron. 2,499,835, Mar. 7.
Rakusin, Stanley, Washington, D. C. Fastener applying implement. 2,506,038, May 2.
Ralenkotter, Arnold J., Covington, Ky. Splash shield for protecting stockings. 2,503,766, Apr. 11.
Raley, Carson F., Los Angeles, Calif. Adjustable clamp. 2,524,138, Oct. 3.
Ralls, Gordon C., Martinez, Calif. Flow control. 2,499,415, Mar. 7.
Ralston, Anderson W., and H. M. Corley, assignors to Armour and Company, Chicago, Ill. Synthetic rubber composition containing a fatty acid nitrile or polymer thereof and making the same. 2,420,735, Aug. 29.
Ralston, Anderson W., Chicago, and J. Harwood, Western Springs, assignors to Armour and Company, Chicago, Ill. 1-alkyl-2,5-dimethylpyrrolidines. 2,497,839, Feb. 14.
Ralston, Anderson W., Chicago, O. Turinsky, Palatine, and L. Van Akkeren, assignors to Armour and Company, Chicago, Ill. Treatment of polyene compounds. 2,498,133, Feb. 21.
Ralston, Anderson W., Chicago, O. Turinsky, Palatine, and C. W. Christensen, Hinsdale, assignors to Armour and Company, Chicago, Ill. Manufacture of nitriles. 2,526,044, Oct. 17.
Ralston, Gerald P., Portland, Oreg. Lawn edger. 2,525,944, Oct. 17.
Ralston Purina Company, assignee: *See*—
Pittenger, Glenn C.
Pittenger, Glenn C., and Brandenburger.
Pittenger, Glenn C., and Thornhill.
Ramage, John H., Bloomfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Manufacture of alloys. 2,498,769, Feb. 28.
Ramberg, Walter, Chevy Chase, Md. Electric dynamometer. 2,493,029, Jan. 3.
Ramberg, Walter, Chevy Chase, Md. Strain detector. 2,508,419, May 23.

Rambo, Francis R., and M. Angelo, assignors to Muirson Label Co., Inc., San Jose, Calif. Display apparatus. 2,498,297, Feb. 21.
Rambo, Jennings B.: *See*—
Young, Thomas J., Rambo, and Young.
Rambo, William R., Cambridge, Mass., assignor to the United States of America as represented by the Secretary of War. Combined oscillator and reactance tube stucture. 2,498,577, Feb. 21.
Rambusch Decorating Company, assignee: *See*—
Rambusch, Edward.
Rambusch, Edward, Harrison, assignor to Rambusch Decorating Company, New York, N. Y. Ceiling carried fabric louver structure. 2,527,031, Oct. 24.
Ramén, Torsten, Stockholm, Sweden. Apparatus for heat exchange between liquids. 2,526,157, Oct. 17.
Raminger, Martha, Brooklyn, N. Y. Suction ash collector. 2,531,920, Nov. 28.
Ramon, Max: *See*—
Levine, Jack, and Ramon.
Ramos, Pedro S., Chicago, Ill. Composite wick. 2,504,584, Apr. 18.
Rampino, Louis D., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Separation of preferred fractions from apparently homogeneous gel particles. 2,508,867, May 23.
Ramquist, Amos H., Vashon, Wash. Roll holder. 2,529,420, Nov. 7.
Ramqvist, Nils A., Harnosand, Sweden. Electric machine. 2,494,200, Jan. 10.
Ramsay, Ben P., Powhatan Point, Ohio. Educational device for visually demonstrating atomic structure. 2,516,418, July 25.
Ramsay, Henry T., Hatch End, assignor to The M - O Valve Company Limited, London, England. Thermionic gas-filled rectifier. 2,514,165, July 4.
Ramsay, Marcus, New York, N. Y. Lapping machine. 2,495,600, Jan. 24.
Ramsay, William S., assignor to The Stark Brick Company, Canton, Ohio. Making concrete articles. 2,500,866, Mar. 14.
Ramsay, William S., assignor to The Stark Brick Company, Canton, Ohio. Casting of ceramic articles. 2,521,128, Sept. 5.
Ramsay, William S., assignor to The Stark Brick Company, Canton, Ohio. Casting of refractory articles. 2,522,298, Sept. 12.
Ramsbottom, John M.: *See*—
Roschen, Harry L., Ortscheid, and Ramsbottom.
Ramsdell, Charles H., Portland, Oreg. Sprinkler head. 2,495,346, Jan. 24.
Ramsdell, Thomas S., Great Barrington, Mass. Method and machine for forming heavy sliver laps. 2,513,893, July 4.
Ramsdell, Thomas S., Great Barrington, Mass. Evener for cotton pickers. 2,532,330, Dec. 5.
Ramser, John H., Chester, assignor to The Atlantic Refining Company, Philadelphia, Pa. Optical metering means for gas using a sliding tube. 2,498,506, Feb. 21.
Ramsey Corporation, assignee: *See*—
Marien, Melvin W.
Ramsey, Elwood S.: *See*—
Allen, John H., and Ramsey.
Ramsey, James C., Lincoln, N. Mex. Arrowhead. 2,504,449, Apr. 18.
Ramsey, Joseph D., assignee: *See*—
Durup, Paul H.
Ramsey, Raymond G., Driver, assignor to American Package Corporation, Portsmouth, Va. Impregnating wood with sodium thiosulfate. 2,532,193, Nov. 28.
Ramsey, Raymond G., Driver, Va., and O. L. Bailey, Vineland, N. J., assignors to American Package Corporation, Portsmouth, Va. Apparatus for wood treatment. 2,505,302, Apr. 25.
Ramsey, Robert P., assignor to Lima-Hamilton Corporation, Hamilton, Ohio. Deriving energy from solid fuels. 2,509,246, May 30.
Ramsey, Walter E., Graham, Tex. Retrieving device for articles submerged in water. 2,531,586, Nov. 28.
Ramsey, Walter E., Graham, Tex. Automatic fish catcher. 2,534,795, Dec. 19.
Ramsey, William E., Stanton, Tex. Combination cotton picker and insect catcher. 2,514,898, July 11.
Ramsing, Frederick C., Phoenix, Ariz. Metallurgical furnace. 2,530,077, Nov. 14.
Ramsing, Frederick C., Phoenix, Ariz. Metallurgical furnace. 2,530,078, Nov. 14.
Ramstad, Paul E., St. Paul, and C. A. Anker, Minneapolis, Minn., assignors to General Mills, Inc. Precipitation of mannogalactans and glucomannans from aqueous sols. 2,508,726, May 23.
Ramstad, Paul E., and K. J. Young, St. Paul, and J. A. Esser, Osseo, Minn., assignors to General Mills, Inc. Flame peeling of mucilaginous seeds. 2,523,635, Sept. 26.
Ranch House, The, assignee: *See*—
Jackson, Edwin H.
Ranck, Ralph O.: *See*—
Wingate, Phillip J., and Ranck.
Rand, H. J., Washing Machine Corp., assignee: *See*—
Rand, Henry J.
Rand, Henry J., Bratenahl, Ohio, assignor to H. J. Rand Washing Machine Corp., New York, N. Y. Rotary pump. 2,499,163, Feb. 28.
Rand, Henry J., Westport, Conn., assignor to H. J. Rand Washing Machine Corp., Cleveland, Ohio. Washing machine. 2,499,162, Feb. 28.
Rand, Kathleen E., Charleston, W. Va. Curtain assembly. 2,520,653, Aug. 29.
Rand, Le Roy H., assignor to Rand Rubber Company, Brooklyn, N. Y. Dress shield construction. 2,516,800, July 25.
Rand Rubber Company, assignee: *See*—
Rand, Le Roy H.
Randa, August J., Des Moines, Iowa. Y-fitting. 2,505,303, Apr 25.
Randall, Boardman M., Portsmouth, N. H. Picket fence section. 2,534,681, Dec. 19.
Randall Company, The, assignee: *See*—
Hall, Ralph W.
Randall, David I.: *See*—
Max, Fritz, and Randall.
Randall, David I., Phillipsburg, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Preparation of iodoanthanthrones. 2,504,088, Apr. 11.
Randall, David I., and S. R. Buc, Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y. Dihalomethylbenzanthrones. 2,531,464, Nov. 28.
Randall, David I., and S. R. Buc, Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y. Halomethyl-4-halobenzanthrones. 2,531,465, Nov. 28.
Randall, David I., and E. E. Renfrew, Jr., Phillipsburg, N. J., assignors to General Aniline & Film Corporation, New York, N. Y. α-(Phthalimidomethyl-anilino)-anthraquinones and preparing the same. 2,533,178, Dec. 5.
Randall, David I., and S. R. Buc, Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y. Aminomethyl compounds of the polycyclic diketo series and N-phthaloyl derivatives thereof. 2,535,987, Dec. 26.
Randall, Lowell O.: *See*—
Baltzle, Richard, Phillips, and Randall.
Randall, Merle, Berkeley, Calif. Manufacture of acetaldehyde. 2,511,787, June 13.
Randall, Merwyn C., Philadelphia, Pa., and G. S. Gethen, Collingswood, N. J. Insulating finishing cements. 2,516,342, July 25.
Randall, Ralph R., Freeport, assignor, by mesne assignments, to Dualoc Engineering Co., Rockford, Ill. Non-equalizing-torque differential gearing. 2,522,193, Sept. 12.
Randall, Robert P., East Orange, N. J., assignor to General Electric Company. Grounding transformer and protective system therefor. 2,523,778, Sept. 26.
Randall, Ross D.: *See*—
Collins, Arthur R., Ryder, and Randall.
Randall, Ross D., and F. A. Ryder, assignors to Stewart-Warner Corporation, Chicago, Ill. Heater control. 2,507,119, May 9.
Randall, Thomas H., Jr.: *See*—
Albert, Edward V., Randall, and Barber.
Randel, George V., Boise, Idaho. Cigarette ash receiver. 2,494,629, Jan. 17.
Randel, George V., Detroit, Mich. Valve. 2,524,474, Oct. 3.
Randel, Grace H., Brooklyn, N. Y. Partition and support therefor for beds. 2,510,656, June 6.
Randel, Henry: *See*—
Dashkin, Irving, and Randel.
Randle, Wilbert I., Cockeysville, Md. Pen or pencil clip. 2,513,516, July 4.
Randol, Elizabeth L., assignee: *See*—
Randol, Glenn T.
Randol, Glenn T., Detroit, Mich., assignor of one-half to E. L. Randol, Mountain Lake Park, Md. Speed responsive device. 2,534,733, Dec. 19.
Randol, Glenn T., St. Louis, Mo. Vehicle power drive control system. 2,493,030, Jan. 3.
Randolph, Frank D., Cheyenne, assignor of one-half to G. G. Davis, Albin, Wyo. Veterinary forceps. 2,534,990, Dec. 19.
Randolph, Harry B., London, England. Dry-shaving appliance. 2,533,622, Dec. 12.
Randolph Laboratories, Inc., assignee: *See*—
Boal, Stewart.
Randolph, Orrin F., West Palm Beach, Fla. Perspective drawing machine. 2,524,990, Oct. 10.
Randolph, Ray A.: *See*—
Webb, Wesley L., Randolph, and Taylor.
Randolph, Robert W.: *See*—
Baker, Marlin S., and Randolph.
Randrup, Benjamin F., Portland, Oreg. Roll-on jack. 2,522,801, Sept. 19.
Randrup, Benjamin F., San Francisco, Calif. Folding boat. 2,504,225, Apr. 18.
Raney, Robert M., Euclid, and V. J. Jones assignors to Willard Storage Battery Company, Cleveland, Ohio. Storage battery. 2,530,539, Nov. 21.
Raney, Russell R.: *See*—
Kaupke, Lee H., and Raney.
Raney, Russell R., La Grange, Ill., assignor to International Harvester Company. Hay gatherer and chopper. 2,496,493, Feb. 7.
Raney, Russell R., La Grange, and J. H. Bornzin, Chicago, Ill., assignors to International Harvester Company. Automatic wire tier for balers. 2,513,967, July 4.

Raney, Russell R., La Grange, and E. L. Faust, Elmhurst, Ill., assignors to International Harvester Company. Adjustable axle construction for potato planters. 2,532,076, Nov. 28.

Ranft, Edward J., Woodside, N. Y. Paintbrush with scraper blade. 2,533,838, Dec. 12.

Ranger, Richard H., U. S. Army. Radio location device. 2,519,397, Aug. 22.

Ranger, Richard H., U. S. Army, Newark, N. J. Directional sound detection system. 2,528,546, Nov. 7.

Ranger, Richard H., Newark, N. J. Stereoscopic radio location device. 2,531,466, Nov. 28.

Rank, Anton, assignor to Western Electric Company, Incorporated, New York, N. Y. Hollow article holding apparatus for printing machines. 2,505,065, Apr. 25.

Rankin, Elizabeth H., Lawrence, Kans. Collapsible hat. 2,493,500, Jan. 3.

Rankin, George A., Jr., Sturgeon Bay, Wis. Implement pickup. 2,507,612, May 16.

Rankin, Ira F., Vancouver, Wash. Perpetual calendar. 2,505,341, Apr. 25.

Rankin, John A.: *See*—
Hills, Elmer G., and Rankin.

Rankin, John A., Chicago, Ill., W. R. Alexander, Upper Montclair, N. J., and H. B. Deal, Bloomington, Ind., assignors to Radio Corporation of America. Signaling system. 2,505,574, Apr. 25.

Rankin, Lyle C., Santa Rosa, Calif. Display sign. 2,506,683, May 9.

Rankin, Mavis J.: *See*—
Griffith, Dinsmore L., and Rankin.

Rankine, Adam S., Jr., Martinsville, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Refractory insulating brick and manufacture. 2,499,229, Feb. 28.

Ranks, John E., Syracuse, N. Y., assignor to General Electric Company. Cathode-ray mapping system. 2,523,328, Sept. 26.

Ranney, Fred T., Minneapolis, Minn. Filling apparatus for tractor fuel tanks. 2,527,849, Oct. 31.

Ranney, Herbert H., and R. W. Brown, assignors to Cone Automatic Machine Company Inc., Windsor, Vt. Cam mechanism for variable length throw. 2,493,420, Jan. 3.

Ransburg, Edwin M., and N. S. Curtis, Marion, assignors, by mesne assignments, to Ransburg Electro-Coating Corp., Indianapolis, Ind. Apparatus for electrostatically depositing adherent coating materials. 2,509,276, May 30.

Ransburg, Edwin M., and E. P. Miller, assignors, by mesne assignments, to Ransburg Electro-Coating Corp., Indianapolis, Ind. Control of electrostatic fields. 2,509,277, May 30.

Ransburg Electro-Coating Corp., assignee: *See*—
Miller, Emery P.
Ransburg, Edwin M., and Curtis.
Ransburg, Edwin M., and Miller.
Stoddard, Harold K.
Stone, Robert H.

Ransburg, Harold P., and N. S. Curtis, assignors, by mesne assignments, to Ransburg Electro-Coating Corp., Indianapolis, Ind. Apparatus for electrostatically coating articles. 2,509,448, May 30.

Ransburg, Stephen D.: *See*—
Miller, William P., and Ransburg.

Ransdell, Edward P., Shelbyville, Ky. Stove lighting device. 2,507,456, May 9.

Ransdell, George W., Elizabethtown, Ky. Two-surface dental mirror. 2,525,181, Oct. 10.

Ransley, Charles E., Sudbury, England, assignor to General Electric Company. Flash lamp. 2,497,910, Feb. 21.

Ransohoff, N., Inc., assignee: *See*—
Ransohoff, Nathan.

Ransohoff, Nathan, Cincinnati, assignor to N. Ransohoff, Inc., Elmwood, Ohio. Washing machine having a rotary conveyer and automatic feed and discharge means. 2,523,058, Sept. 19.

Ransohoff, Nathan, assignor to N. Ransohoff, Incorporated, Cincinnati, Ohio. Continuous feed tumbling mill. 2,523,258, Sept. 19.

Ransom, Altha D.: *See*—
Ransom, Frank X. and A. D.

Ransom, David H.: *See*—
Deloraine, Edmond M., and Ransom.

Ransom, David H., London, W. C. 2, England, assignor to Federal Telecommunication Laboratories, Inc., New York, N. Y. Electronic switching. 2,512,676, June 27.

Ransom, David H., Montclair, N. J., assignor to Federal Telecommmunication Laboratories Inc., New York, N. Y. Electronic communication system. 2,506,612, May 9.

Ransom, David H., Montclair, N. J., assignor to Federal Telecommunication Laboratories, Inc., New York, N. Y. Multidigit all-electronic switching system. 2,506,613, May 9.

Ransom, David H., Montclair, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Pulse responsive circuit. 2,520,170, Aug. 29.

Ransom, Frances C., Nashville, Tenn. Dispenser for papers and the like. 2,533,623, Dec. 12.

Ransom, Frank X. and A. D., assignors to H. J. and L. A. Hofteig, Minneapolis, Minn. Doll support. 2,527,152, Oct. 24.

Ransom, Harland R., Detroit, Mich. Can opener. 2,517,442, Aug. 1.

Ransom, Robert B., Hamden, Conn. Fishing reel. 2,517,926, Aug. 8.

Ransom, Walter W., Moline, Ill. Apparatus for removing rubber and the like from bodies to which affixed. 2,495,764, Jan. 31.

Ransom, Willard G., Homewood, Kans. Load responsive brake. 2,523,057, Sept. 19.

Ransome Company, assignee: *See*—
Ransome, Tallent H.

Ransome, Stafford G.: *See*—
Kaminky, Oscar H., and Ransome.

Ransome, Stafford G., Freeport, Ill., assignor to First Industrial Corporation, Wilmington, Del. Snap acting mechanism. 2,508,040, May 16.

Ransome, Tallent H., Berkeley, Calif., assignor, by mesne assignments, to Ransome Company. Method and apparatus for vaporizing and dispensing liquefied gases. 2,497,793, Feb. 14.

Ranson, Charles W., Cleveland, Ohio. Rotor blade for helicopters. 2,511,376, June 13.

Ranson, Harland R., Detroit, Mich. Knife sharpener. 2,505,911, May 2.

Rantanen, Alfonso W., Watton, Mich. Hand sewing machine. 2,507,814, May 16.

Rantaniemi, Väinö V., assignor to Tammerfors Linne-Och Jernmanufaktur Aktiebolag, Tammerfors, Finland. Arrangement for sorting paper pulp and similar suspended matters. 2,501,916, Mar. 28.

Rants, Roland E., Bellingham, Wash. Fishline sinker. 2,520,654, Aug. 29.

Rantz, Elmer J., Roach, Mo. Degree level. 2,527,961, Oct. 31.

Ranzi, Ubaldo, Legnano, Italy. Centrifugal speed changer. 2,512,438, June 20.

Rapaport, Meyer, Chicago, Ill. Pyrographic instrument. 2,523,518, Sept. 26.

Rapasky, Francis: *See*—
Montgomery, Walter B., and Rapasky.

Raper, Alan R., and S. J. R. Fothergill, London, England, assignors to The International Nickel Company, Inc., New York, N. Y. Preparation of substantially pure ammonium chloroiridite solution. 2,535,551, Dec. 26.

Raper, Carie B., assignee: *See*—
Carmichael, Tilden M.

Rapid Tag & Wire Company, assignee: *See*—
Magidson, Frank.

Rapier, Pascal M.: *See*—
Kenney, John W., Jr., and Rapier.

Rapisarda, Edward D., Agawam, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Liquid sampling device. 2,510,657, June 6.

Rapisarda, Edward D., Agawam, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Can filling machine. 2,518,064, Aug. 8.

Rapisarda, Edward D., Agawam, and H. F. Tapp, Longmeadow, assignors to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Bubble cap assembly. 2,508,041, May 16.

Rapp, John A. D. Y., assignor to Telefonaktiebolaget L M Ericsson, Stockholm, Sweden. Cable distribution system. 2,533,044, Dec. 5.

Rapp, Theodore, Los Angeles, Calif. Packaging machine. 2,527,960, Oct. 31.

Rapp, Theodore, Los Angeles, Calif. Timing mechanism. 2,535,371, Dec. 26.

Rappaport, Sigmund, and B. G. Proctor, Jr., assignors to Wright Machinery Company, Durham, N. C. Spotter mechanism. 2,528,912, Nov. 7.

Rappel, Anton: *See*—
Oishei, John R., and Rappel.

Rappoli, Edmund J., Medford, Mass. Molding concrete building units. 2,531,990, Nov. 28.

Rappl, Anton: *See*—
Horton, Erwin C., and Rappl.

Rappl, Anton, Eggertsville, assignor to Trico Products Corporation, Buffalo, N. Y. Window operator of the endless cable type. 2,501,092, Mar. 21.

Rappl, Anton, Eggertsville, assignor to Trico Products Corporation, Buffalo, N. Y. Piston operated locking means for servomotors. 2,524,271, Oct. 3.

Rappl, Anton, Eggertsville, assignor to Trico Products Corporation, Buffalo, N. Y. Window system. 2,524,714, Oct. 3.

Rappl, Anton, Eggertsville, assignor to Trico Products Corporation, Buffalo, N. Y. Motor vehicle luggage compartment closure operating mechanism. 2,535,600, Dec. 26.

Raqué, Arthur E., Demarest, N. J., assignor to Watson Elevator Company, New York, N. Y. Elevator door. 2,526,503, Oct. 17.

Rarick, Samuel O., Zion Grove, Pa. Endless track sustaining and aligning means. 2,511,736, June 13.

Rasch, Carl H., North Tonawanda, N. Y. Storage battery paste with iron exchange expander. 2,514,415, July 11.

Rash, James T., assignor to Rash and Johnson Manufacturing Co., Elma, Wash. Counting and registering device for punchboards. 2,495,915, Jan. 31.

Rash and Johnson, Manufacturing Co., assignee: *See*—
Rash, James T.

Raskin, Walter, Orange, N. J., assignor, by mesne assignments, to Noma Electric Corporation, New York, N. Y. Air-conditioned article display stand. 2,511,375, June 13.
Rasmusen, Reidar P. C.: *See*— Carpenter, Otis R., Hartnett, and Rasmusen.
Rasmusen, Reidar P. C., Akron, Ohio, assignor to The Babcock & Wilcox Company, Rockleigh, N. J. Welding apparatus. 2,515,264, July 18.
Rasmussen, Carl C. H., Silver Spring, Md. Cook pot stove. 2,526,686, Oct. 24.
Rasmussen, Christian O., assignor to Simplex, Copenhagen, Denmark. Bearing for vertical hydro-extractors. 2,526,970, Oct. 24.
Rasmussen, Fred, Seattle, Wash., assignor to Continental Can Company, Inc., New York, N. Y. Article divider and delivering device. 2,535,866, Dec. 26.
Rasmusson, Marlin B., assignor to Vitafreze Equipment, Inc., Sacramento, Calif. Method and apparatus for making frozen confections. 2,535,231, Dec. 26.
Rasmussen, Olaf, Port Clinton, Ohio. Compass checking device. 2,507,933, May 16.
Rasmussen, Osvald E., Greenberg, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cable stranding machine. 2,530,726, Nov. 21.
Raspet, August, Locust Valley, N. Y., assignor to Aviation Research and Development Corporation, Waco, Tex. Bubble-forming device. 2,514,009, July 4.
Rassmann, Hugo C., Minneapolis, Minn. Seed feeder. 2,510,658, June 6.
Rassner, Louis: *See*— Miskel, John J., and Rassner.
Rast, Frederick Q., Chicago, Ill., assignor to Commercial Controls Corporation. Tens-transfer device. 2,528,781, Nov. 7.
Rast, Frederick Q., Rochester, assignor to International Business Machines Corporation, New York, N. Y. Electrically controlled platen operating mechanism for time stamps. 2,496,598, Feb. 7.
Rast, Frederick Q., Chicago, Ill., and A. B. Benson, Union, assignors to International Business Machines Corporation, New York, N. Y. Odograph. 2,502,991, Apr. 4.
Rataiczak, Francis I., assignor to General Motors Corporation, Dayton, Ohio. Metal structure. 2,503,596, Apr. 11.
Rataiczak, Francis I., assignor to General Motors Corporation, Dayton, Ohio. Hoist mechanism. 2,523,878, Sept. 26.
Ratazak, Bernard, assignor to Sampsel Time Control, Inc., Spring Valley, Ill. Spring return damper control. 2,496,409, Feb. 7.
Ratchford, William P., Philadelphia, and C. H. Fisher, Abington, Pa., assignors to the United States of America as represented by the Secretary of Agriculture. Pyrolysis of C-acetoxy aliphatic amides to acrylamides. 2,494,583, Jan. 17.
Ratcliffe, John T., Frinton-on-Sea, England. Mechanism for winding and paying out cables and the like. 2.535.318, Dec. 26.
Rath, Karl, assignee: *See*— Rossmann, Peter F.
Rath, Karl, New York, N. Y. Exposure determining device for photographic cameras having cooperating indicia on camera and film magazine. 2,493,928, Jan. 10.
Rath, Karl, New York, N. Y. Automatic exposure control system in a motion-picture camera. 2,518,717, Aug. 15.
Rath, Karl, New York, N. Y. Twin-lens reflex camera. 2,518,718, Aug. 15.
Rath. Karl, New York, N. Y. Camera with photoelectric exposure control having photoceli shutters connected to camera adjusting means. 2,521,093, Sept. 5.
Rathbun, Edward, assignor to The Rathbun-Jones Engineering Company, Toledo, Ohio. Mechanism for connecting engine governors and by-pass valves. 2,497,322, Feb. 14.
Rathbun, Edward, assignor to The Rathbun-Jones Engineering Company, Toledo, Ohio. Fuel injection device for Diesel engines. 2,502,989, Apr. 4.
Rathbun, Edward, assignor to Rathbun-Jones Engineering Company, Toledo, Ohio. Governor control for dual fuel engines. 2,502,990, Apr. 4.
Rathbun, Francis J.: *See*— Wieseman, Theodore R., Robinson, and Rathbun.
Rathbun, Harold J., assignor to The Electric Controller & Manufacturing Company, Cleveland, Ohio. Motor control system. 2,515,612, July 18.
Rathbun, John P., Prospect Park, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Evaporator apparatus. 2,524,715, Oct. 3.
Rathbun-Jones Engineering Company, The, assignee: *See*— Rathbun, Edward.
Rather, Hobart E., Sr., assignor of one-fourth to R. Felty, Bristol, Tenn. Turret lathe stop. 2,514,090, July 4.
Rathgen, Ewalt A., assignor to The Budd Company, Philadelphia, Pa. Stretch-bending machine with work clamps mounted on pivoted arms. 2,515,734, July 18.
Rathje, Edward, Cranford, N. J., assignor to The Linde Air Products Company. Fixed time interval line tracker control. 2,521,946, Sept. 12.
Rathje, Edward, Jr., Cranford, N. J., assignor to The Linde Air Products Company. Contour reproduction. 2,508,468, May 23.
Rathje, Edward, Jr., Cranford, N. J., assignor to The Linde Air Products Company. Line tracker control. 2,532,421, Dec. 5.
Rathkamp, William R., Oak Ridge, Tenn., assignor, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission. Fluxmeter. 2,530,178, Nov. 14.
Rathke, Harry C., assignor to The Meyercord Company, Chicago, Ill. Machine for applying a liquid coating. 2,500,569, Mar. 14.
Rathman, Gilbert, Union, N. J., assignor to Roots-Connersville Blower Corporation, Connersville, Ind. Screw pump. 2,511,878, June 20.
Rathman, Richard: *See*— Sair, Louis. Sair, Louis, and Rathman.
Rathmann, Heinrich W.: *See*— Dunn, Holbert E., Rathmann, and Parkman.
Rathmann Implement, assignee: *See*— Rathmann, Robert L.
Rathmann, Robert L., assignor to Rathmann Implement, Tranquillity, Calif. Relief valve. 2,526,411, Oct. 17.
Ratié, Pierre P., so-called Ratier, and R. J. Ratié, so-called Ratier, Figeac, France. Device for simultaneously controlling the change of pitch of two propellers. 2,514,166, July 4.
Ratié (so-called Ratier), René J.: *See*— Ratié (so-called Ratier), Pierre P. and R. J.
Ratley, Harold M., Highland Park, and A. C. Lind, assignors to National Automotive Fibres, Inc., Detroit, Mich. Flock depilling machine. 2,503,633, Apr. 11.
Ratliff, Donald E., Bend, Oreg. Sprinkler. 2,529,262, Nov. 7.
Ratliff, Francis T.: *See*— Starr, Charles E., Jr., and Ratliff.
Rattue, Edward A.: *See*— Levy, Maurice M., and Rattue.
Ratzan, Wilford J., New York, N. Y. Stethoscope with rotatable bell. 2,515,471, July 18.
Ratzlaff, Rudolph, Dearborn, Mich. Garment lock. 2,527,850, Oct. 31.
Rau, David W., Kirkwood, and A. H. Bruemmer, St. Louis, Mo., assignors to Vickers, Incorporated. Devices which have selenium as constituent parts thereof. 2,504,226, Apr. 18.
Rau, Eric J., assignor to Container Corporation of America, Chicago, Ill. Flatware tray. 2,511,542, June 13.
Raucher, Helen, assignee: *See*— Raucher, Walter L.
Raucher, Walter L., assignor to H. Raucher, Chicago, Ill. Convertible baby carriage and stroller. 2,494,489, Jan. 10.
Rauland Corporation, The, assignee: *See*— Alford, Andrew. Antalek, John J. Buttino, Albert L. Marcy, Henry O., 3rd. Spindler, Joseph C. Szegho, Constantin S.
Rauner, Lawrence A.: *See*— Fenn, Howard N., and Rauner.
Rauner, Richard M.: *See*— Isaac, Miriam, and Rauner.
Raup, Clyde N., Catawissa, Pa. Nut and washer placing tool. 2,502,025, Mar. 28.
Raus, Heyman, L., assignee: *See*— Whelan, James P.
Rausch, Andrew W., Ridgewood, assignor to Specialties Development Corporation, Bloomfield, N. J. Storing carbon dioxide. 2,510,140, June 6.
Rausch, Andrew W., Ridgewood, assignor to Specialties Development Corporation, Bloomfield, N. J. Method and system for producing low-temperature refrigeration. 2,513,361, July 4.
Rausch, Solomon, Beacon, N. Y. Dual welt for hats. 2,503,131, Apr. 4.
Rauschenbach, Herbert: *See*— Mueller, Ernst, and Rauschenbach.
Rauschenback, Johannes H.: *See*— Grunicke, Frederick M.
Rauscher, Albert B., Parnassus, Pa. Engine timing device. 2,495,765, Jan. 31.
Rausing, Ruben, Lund, Sweden. Transport container. 2,493,163, Jan. 3.
Rautbord, Samuel G., assignee: *See*— De Lacy, Joseph H. Eisner, Burton D.
Rautter, Walter C., Philadelphia, Pa. Photoelectric current limiter for motors. 2,521,479, Sept. 5.
Rava, Alexander, Jersey City, N. J. Resistance welding apparatus. 2,502,887, Apr. 4.
Rava, Alexander, Jersey City, N. J. Resilient shell. 2,522,401, Sept. 12.
Raveau, Marcel, Lindenhurst, N. Y. Boat. 2,520,782, Aug. 29.
Raveau, Marcel, Lindenhurst, N. Y. Wheeled attachment for boats. 2,533,895, Dec. 12.
Ravenscroft, Arthur W., Frodsham, England, assignor to Imperial Chemical Industries Limited. Electrolytic cell. 2,502,888, Apr. 4.
Ravenscroft, Joseph F., Elkhart, Ind. Detachable weight structure. 2,526,412, Oct. 17.
Ravers, Jerry J., Jr., assignee: *See*— Knox, Willard D.

Ravitz, Sol F.: *See*—
Poole, Henry G., Ravitz, and Dean.
Ravitz, Sol F., and A. E. Back, Salt Lake City, Utah, assignors to the United States of America as represented by the Secretary of the Interior. Dithionate process for production of zinc hydroxide from zinc oxidized ores. 2,522,537, Sept. 19.
Ravkind, Lou; and A. W. Klausner, said Klausner assignor to Harry Mark, Dallas, Tex. Pinless diaper. 2,500,432, Mar. 14.
Ravnsbeck, Fred, Chicago, Ill. Air control means for oil burner apparatus. 2,522,131, Sept. 12.
Rawitzer, Joseph C., Salinas, Calif. Produce picker's bag. 2,507,679, May 16.
Rawl, Philip, Brookline, and S. Rosoff, Dorchester, Mass. Attachment for snap-on snow chains. 2,535,601, Dec. 26.
Rawlings, Franklin N., Ogden, Utah, assignor to The Dorr Company, New York, N. Y. Purification of sugar solutions. 2,503,767, Apr. 11.
Rawlings, Harville L.: *See*—
Franks, Albert E., Rawlings, and Arisman.
Rawlings, Herbet L., Pittsburgh, and H. H. Fahnoe, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,502,992, Apr. 4.
Rawlings, John L., Elmont, assignor to Kollmorgen Optical Corporation, Brooklyn, N. Y. Ball release mechanism for measuring instruments. 2,533,896, Dec. 12.
Rawlins, Albert L., Grosse Pointe Woods, assignor to Parke, Davis & Company, Detroit, Mich. Preserving and disinfecting composition. 2,511,879, June 20.
Rawlins, Herbert L.: *See*—
Sandin, Jerome and Rawlings.
Rawlins, Joseph A., Tenafly, N. J., assignor to The Sperry Corporation. Gas-lubricated bearing. 2,511,543, June 13.
Rawlins, Joseph A., Tenafly, N. J., assignor to The Sperry Corporation. Air lubricated thrust bearing. 2,535,454, Dec. 26.
Rawlins, Robert E., Van Nuys, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Suspension means. 2,526,413, Oct. 17.
Rawlplug Company Limited, The, assignee: *See*—
Taylor, Charles H.
Rawn, William L., Jr., Palo Alto, Calif., assignor to Kaiser Aluminum & Chemical Corporation. Milk crate. 2,530,481, Nov. 21.
Rawson, Arthur J.: *See*—
Larrabee, Martin G., and Rawson.
Rawson, Emanuel, assignor to Rite-Way Products Company, Chicago, Ill. Pump oiling means. 2,495,601, Jan. 24.
Rawson, Emanuel, assignor to Rite-Way Products Company, Chicago, Ill. Vacuum pump. 2,496,676, Feb. 7.
Rawson, Leroy S., assignor, by mesne assignments, to A. C. Wickman, Detroit, Mich. No-draft ventilator window. 2,513,744, July 4.
Rawson, Philip N., Fort Worth, Tex. Variable-speed cone type transmission. 2,528,244, Oct. 31.
Ray, Bert, Depew, Okla. Power gear. 2,505,575, Apr. 25.
Raybestos-Manhattan, Inc., asssignee: *See*—
Novak, Izador J.
Ray, Carlo, North Hollywood, and D. Ray, Beverly Hills, Calif. Carton opening machine. 2,521,996, Sept. 12.
Ray, Charles W., Paducah, Ky. Hand grip tool for making and applying wire hose clamps. 2,494,963, Jan. 17.
Ray, Don: *See*—
Ray, Carlo and Don.
Ray, Don, Beverly Hills, Calif. Filling flexible containers with finely divided materials and machine therefor. 2,531,743, Nov. 28.
Ray, Eugene J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Semiautomatic sole-edge inking machine. 2,530,585, Nov. 21.
Ray, Fredrick A., Reseda, Calif. Curb bit. 2,494,201, Jan. 10.
Ray, Frederick E.: *See*—
Simpson, Thomas P., Ray, and Lee.
Ray, Gardner C., Bartlesville, Okla., assignor to Phillips Petroleum Company. Separation of cyclopentane-neohexane mixtures by azeotropic distillation with methyl formate. 2,498,928, Feb. 28.
Ray, Gardner C., Bartlesville, Okla., assignor to Phillips Petroleum Company. Production of tetramethylolcyclopentanone. 2,500,570, Mar. 14.
Ray, Gardner C., Bartlesville, Okla., assignor to Phillips Petroleum Company. Recovery of olefin hydrocarbons. 2,526,971, Oct. 24.
Ray, Gardner C., Bartlesville, Okla., assignor to Phillips Petroleum Company. Production of cyclopentene. 2,530,727, Nov. 21.
Ray, Gardner C. and P. H. Johnson, Bartlesville, Okla., assignors to Phillips Petroleum Company. Absorbing carbon monoxide. 2,519,284, Aug. 15.
Ray, Gardner C., and E. O. Box, Jr., Bartlesville, Okla., assignors to Phillips Petroleum Company. Separation of hydrocarbons. 2,522,059, Sept. 12.
Ray, Henry, assignor to B. M. Hines, New York, N. Y. Supporting panel for use on washbasins. 2,509,247, May 30.
Ray, James L., Long Beach, Calif., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Turbine diaphragm. 2,530,908, Nov. 21.
Ray, James L., Long Beach, Calif., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Liquid feeding system. 2,532,856, Dec. 5.
Ray, Linton G., Jr., Buffalo, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of cellulosic articles. 2,512,968, June 27.
Ray, Ned: *See*—
Miner, William W., Jr., Owens and Ray.
Myles, James R., and Ray.
Ray Oil Burner Co., assignee: *See*—
Plass, Raymond B.
Ray, William A., assignor to General Controls Co., Glendale, Calif. Liquid level and temperature control system. 2,533,624, Dec. 12.
Ray, William R., Los Angeles, Calif., assignor to General Controls Co. Thermopile and pilot burner. 2,494,833, Jan. 17.
Ray, William A., Los Angeles, Calif., assignor to General Controls Co. Valve operator. 2,503,563, Apr. 11.
Ray, William A., North Hollywood, Calif., assignor to General Controls Co. Automatic valve control for fluid supply in burner systems. 2,512,173, June 20.
Ray, William A., Los Angeles, Calif., assignor to General Controls Co. Igniting system. 2,513,051, June 27.
Ray, William A., Los Angeles, Calif., assignor to General Controls Co. Fluid control valve. 2,526,972, Oct. 24.
Ray, William A., Los Angeles, Calif., assignor to General Controls Co. Fluid control valve. 2,527,851, Oct. 31.
Ray, William A., Los Angeles, Calif., assignor to General Controls Co. Safety control system for fluid fuel burners. 2,529,740, Nov. 14.
Ray, William A., North Hollywood, assignor to General Controls Co., Glendale, Calif. Fluid control valve. 2,496,638, Feb. 7.
Ray, William A., North Hollywood, assignor to General Controls Co., Glendale, Calif. Thermostatic switch. 2,499,779, Mar. 7.
Ray, William A., North Hollywood, Calif., assignor to General Controls Co. Electromagnet. 2,502,591, Apr. 4.
Ray, William A., North Hollywood, Calif., assignor to General Controls Co. Fuel control system for pilots and main burners. 2,520,960, Sept. 5.
Ray, William A., North Hollywood, Calif., assignor to General Controls Co. Safety push-button gas burner control system. 2,520,961, Sept. 5.
Ray, William A., North Hollywood, Calif., assignor to General Controls Co., Safety control system for fuel burners. 2,533,625, Dec. 12.
Ray, William A., North Hollywood, Calif., assignor to General Controls Co. Thermocouple for gas or oil burners. 2,535,602, Dec. 26.
Raybestos-Manhattan, Inc., assignee: *See*—
Batchelor, Clyde S., and Carey.
D'Oller, George.
Gorecki, Robert J.
Oxley, Frederick W., and Holmes.
Palm, Herbert E., and Gilpin.
Walter, Robinson F., and Joyce.
Raybould, Frank J., Lakewood, assignor to The Weatherhead Company, Cleveland, Ohio. Valve. 2,498,608, Feb. 21.
Raybould, Frank J., Lakewood, assignor to The Weatherhead Company, Cleveland, Ohio. Carburetor valve. 2,529,572, Nov. 14.
Rayburn, Vincent A., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for drying strip material. 2,501,875, Mar. 28.
Rayburn, Vincent A., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Differential drive assembly for article-handling devices. 2,531,644, Nov. 28.
Raycrest Mills, Inc., assignee: *See*—
Cutler, Ralph H.
Rayflex Company, Incorporated, The, assignee: *See*—
Marcantonio, Daniel L.
Raykoff, Philip C., Long Beach, Calif. Holder for toothbrushes and paste tubes. 2,500,905, Mar. 14.
Raymer, Morris M., Augusta, and J. J. Thompson, assignors to Kellogg Company, Battle Creek, Mich. Production of bran-containing food products. 2,509,449, May 30.
Raymond, Earl, Alexandria, and R. S. Castle, Woodbridge, Va. Apparatus for determining the specific gravity of fluids. 2,524,600, Oct. 3.
Raymond Engineering Laboratory, Inc., assignee: *See*—
Blomgren, Evert.
Raymond, Horace H.
Raymond Enginering Laboratory, Incorporated, assignee: *See*—
Raymond, Horace H. and S. O.
Raymond, Gwynne, Oklahoma City, Okla., assignor to Black, Sivalls & Bryson, Inc., Kansas City, Mo. Valve. 2,499,527, Mar. 7.
Raymond, Horace H., assignor to Raymond Engineering Laboratory, Inc., Berlin, Conn. Electrical contact device. 2,522,895, Sept. 19.
Raymond, Horace H. and S. O., Berlin, assignor to Raymond Engineering Laboratory, Incorporated, Middletown, Conn. Eraser. 2,528,709, Nov. 7.
Raymond, Jerry W., Wenatchee, Wash. Slide action attachment for shotguns and rifles. 2,499,878, Mar. 7.
Raymond Laboratories, Inc., assignee: *See*—
De Mytt, Louis, and Reed.

Raymond, Richard, States College, Pa., assignor to The United States of America as represented by the Secretary of War. High-frequency mixer. 2,501,093, Mar. 21.
Raymond, Richard C., State College, Pa., assignor to the United States of America as represented by the Secretary of War. Radio spectrum monitoring apparatus. 2,496,560, Feb. 7.
Raymond, Richard C., State College, Pa., assignor to The United States of America as represented by The Secretary of War. Antenna. 2,501,094, Mar. 21.
Raymond, Richard C., State College, Pa., assignor to the United States of America as represented by the Secretary of War. Capacitive connection for coaxial lines. 2,516,529, July 25.
Raymond, Samuel O.: *See*—
Raymond, Horace H. and S. O.
Raynes, John G., Vancouver, British Columbia, Canada. Pantograph. 2,497,013, Feb. 7.
Raynor, Arthur E., Rockville Centre, N. Y., assignor to The Babcock & Wilcox Company, Rockleigh, N. J. Steam generator. 2,512,677, June 27.
Raynor, Harvey F.: *See*—
Snowden, Ward E., and Raynor.
Raynor Manufacturing Company, assignee: *See*—
Norberg, William A.
Rayonier Incorporated, assignee: *See*—
Gray, Kenneth R.
Johnson, George M.
Ray-O-Vac Company, assignee: *See*—
Wengel, Arthur M.
Raypholtz, Kenneth A., assignor to Overmander Machine, Inc., Marion, Ind. Aggregate drier. 2,503,686, Aug. 11.
Raypholtz, Kenneth A., assignor to Overmander Machine, Inc., Marion, Ind. Predetermined valve control system. 2,506,738, May 9.
Raypholtz, Kenneth A., assignor to Overmander Machine, Inc., Marion, Ind. Inclined drier. 2,506,739, May 9.
Raytheon Manufacturing Company, assignee: *See*—
Anderson, Homer G.
Baum, Richard F.
Becker, Carl W.
Beechlyn, John T.
Blume, Carl T.
Bock, Marvin J.
Brown, William C.
Bruck, George G., Sprague, and Vosburgh.
Coffin, David D.
Darden, Robert R., Jr., and Kolodziej.
Dawson, John W.
Dawson, John W., and Faulk.
Dawson, John W., and Klemperer.
Derby, Palmer P.
England, John H.
Fisher, Cecil C.
Fryklund, Robert A.
Fryklund, Robert A., and Beebe.
Gorn, Elmer J.
Gross, Fritz A.
Gross, Thomas A. O., and Young.
Hall, William M., and Gross.
John, Frank H., and Quimby.
Kather, Erich N.
Kienow, Orwald E.
Klemperer, Hans.
Lindahl, Hilmer C.
Lissman, Marcel A.
MacKenzie, Kenneth W.
Marks, Meyer.
Marshall, Laurence K.
Modlowski, Peter M., and Skudre.
Rich, Stanley R.
Robinson, Richard S.
Sanders, Royden C., Jr., and Mercer.
Small, Wallace H.
Smith, Charles G.
Smith, Edward W.
Spencer, Percy L.
Sprague, Robert M., and Pontecorvo.
Stolberg, Sven A.
Stutsman, Paul W.
Temple, Lemuel M.
Turner, Edwin E., Jr.
Welch, Arthur E.
Westcott, Vernon C.
Wild, Norman R., and Cockrill.
Williams, Louis A.
Raytron, Inc., assignee: *See*—
Gelzer, John R.
Razdowitz, Adolph: *See*—
Yardeny, Michel N., and Razdowitz.
Razek, Joseph, Havertown, Pa., assignor to R. L. Kahn, trustee, Chicago, Ill. Electrical apparatus. 2,535,232, Dec. 26.
Razek, Joseph, Llanerch, Pa., assignor to Wm. S. Scull Company, Camden, N. J. Photoelectric method and apparatus for testing vacuum conditions in containers. 2,524,929, Oct. 10.
Rea, Charles C., Poland, Ohio. Arch type loose-leaf binder. 2,494,898, Jan. 17.
Rea, Newville F., Sumner, Wash. Insecticide comprising benzene hexachloride and tar oils. 2,534,926, Dec. 19.
Rea, Robert F., assignor to Universal Zonolite Insulation Company, Chicago, Ill. Lightweight firebrick and producing the same. 2,509,315, May 30.
Rea, Thomas H.: *See*—
Hoover, William S., and Rea.
Rea, Wilton T., Manhasset, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Remote-control system. 2,527,153, Oct. 24.
Read, Arthur, Portland, Oreg. Carton. 2,523,668, Sept. 26.
Read, Charles E.: *See*—
Nickelsen, John M., Read, Spiess and Boor.
Read, Charles S., New Smyrna Beach, assignor of one-third to C. Anker, Edgewater, Fla. Wire clothespin. 2,519,398, Aug. 22.
Read, Frederick H. E., Bulawayo, Southern Rhodesia, and W. M. Smith, Wheaton, assignors to Vapor Heating Corporation, Chicago, Ill. Automatic humidity control system. 2,504,278, Apr. 18.
Read, Leland B., assignor to Carter Carburetor Corporation, St. Louis, Mo. Automatic choke control. 2,499,607, Mar. 7.
Read, Percival F., Slough, England. Garment presser and stretcher. 2,499,109, Feb. 28.
Reade, Ralph B., Larchmont, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Receiver system. 2,531,467, Nov. 28.
Read, William T., executor: *See*—
Hoeber, Harold.
Read, Worth G., St. Paul, Minn. Apparatus for identifying mobile equipment. 2,498,896, Feb. 28.
Reade, Ralph B., Larchmont, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Beacon system. 2,495,766, Jan. 31.
Reading, Eugene P., Inc., assignee. *See*—
Marcantonio, John A.
Reading Hardware Corporation, assignee: *See*—
Shaffer, Elwood F.
Reading, John G., Black Mountain, N. C. Boat trailer. 2,531,947, Nov. 28.
Readman, Eber J.: *See*—
Claus, Philip S., and Readman.
Reagan, Barbara B.: *See*—
Reagan, Sydney C., Sr., O., S. C., Jr., and B. B.
Reagan, Maurice E., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit breaker control system. 2,504,877, Apr. 18.
Reagan, Ollie: *See*—
Reagan, Sydney C., Sr., O., S. C., Jr., and B. B.
Reagan, Sydney C., Jr.: *See*—
Reagan, Sydney C., Sr., O., S. C., Jr., and B. B.
Reagan, Sydney C., Sr., O., S. C., Jr., and B. B. Falls Church, Va. Back supporting attachment for bathtub headrests. 2,523,447, Sept. 26.
Reagle, Oren L., Campbell, Calif. Load holding attachment for industrial trucks. 2,520,564 Aug. 29.
Real Silk Hosiery Mills, Inc., assignee: *See*—
Fox, Carl R.
Realty Company, assignee: *See*—
Gregory, Benjamin F.
Ream, John E., Portsmouth, Ohio. Safety top for baby beds. 2,530,728, Nov. 21.
Ream, Merlyn O.: *See*—
Wiswell, Arthur M. and Ream.
Reams, Clinton A., Washington, D. C. Cast iron melting vessel with graphite plugs therein. 2,526,687, Oct. 24.
Reaney, Ernest, Stratford, Conn., assignor to The O. K. Tool Company, a division of Aerodynamic Research Corporation, Washington, D. C. Toolholder. 2,520,655, Aug. 29.
Reardon, John W., and M. A. Baker, Fort Wayne, Ind., assignors to General Electric Company. Dynamoelectric machine. 2,519,065, Aug. 15.
Reardon, Joseph D.: *See*—
Lowber, David D., and Reardon.
Reardon, Joseph D., Snyder, and L. J. Peters, Buffalo, N. Y., assignors to American Optical Company, Southbridge, Mass. Projection microscope. 2,518,252, Aug. 8.
Reardon, Robert E., Camden, N. J. Progressive target. 2,500,960, Mar. 21.
Reardon, Robert T., Fort Wayne, Ind., assignor to General Electric Company. Electric induction device. 2,521,536, Sept. 5.
Reavis, Jack C., Dayton, Wyo. Lens protector for telescopic gun sights. 2,514,257, July 4.
Reber, Clarence G.: *See*—
Bailey, James, and Reber.
Reber, Grote, Wheaton, assignor to Stewart-Warner Corporation, Chicago, Ill. Pulse generator. 2,502,343, Mar. 28.
Reber, Grote, Wheaton, Ill. Navigational instrument. 2,519,603, Aug. 22.
Rebmann, Carl, Aarau, Switzerland. Toolholder for the saddle of machine tools. 2,513,586, July 4.
Rebstock, Mildred C.: *See*—
Crooks, Harry M., Jr., Rebstock, Controulis, and Bartz.
Rebut, Pierre C., Paris, France. Vibrator device. 2,526,414, Oct. 17.
Reck, Frank, Flushing, assignor to Aeronautical Research Corporation, New York, N. Y. Mechanical page turner. 2,494,453, Jan. 10.

Reck, Frank, Flushing, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Internal pipe cutter. 2,508,539, May 23.

Recker, Heinz: *See*—
Parlani, Alexander C., Hascher, and Recker.

Reckmeyer, Verne, Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Photographic filter layer for absorbing ultraviolet radiations. 2,508,295, May 16.

Recktenwald, Raymond J., Duluth, Minn. Artificial Christmas tree. 2,519,690, Aug. 22.

Reconstruction Finance Corporation, assignee: *See*—
Burd, Samuel I.
Frieder, Leonard P., and Finken.
Gibson, George M.
Grayson, John H.
Harrison, Elmer P., Hunt, and Tiller.
Hines, John.
Hotchkiss, Arch, Jr.
Hunt, Orville A., and Tiller.
Keene, Lester E., and De Santis.
Kittredge, Arthur E.
McArthur, Warren.
Mendle, Alvin M.
Saul, Samuel, Jr.
Stevens, Charles R.

Record Files, Inc., assignee: *See*—
Beno, George M.

Record, Frank A., Potsdam, N. Y., assignor to The United States of America as represented by the Secretary of War. Electron tube of the velocity modulation type. 2,501,095, Mar. 21.

Recordia Manufacturing Co., Inc., assignee: *See*—
West, Max A., and Aurich.

Records, William M., assignor to Blaw-Knox Company, Pittsburgh, Pa. Movable form for concrete masses. 2,493,264, Jan. 3.

Recourt, Johannes C. A., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Radio receiver indicator. 2,511,220, June 13.

Rector, Charles H., Jr.: *See*—
Butler, John M., and Rector, Jr.
Dazzi, Joachim, and Rector, Jr.

Rector, Jacob L.: *See*—
Stang, Robert A., and Rector.

Rector, Thomas M., Morristown, N. J. Helix of metal wire for use as fishing sinkers and for other purposes. 2,501,634, Mar. 21.

Redcay, Paul W., Washington, D. C., assignor to the United States of America as represented by the Secretary of War. Voltage control circuits. 2,524,834, Oct. 10.

Redcliffe, Frederick J., deceased, New York, N. Y.; A. F. Thomas, executor of said F. J. Redcliffe, assignor of one-half to E. T. Geer, New York, N. Y., and one-half to A. F. Thomas, Hollywood, Calif. Crutch. 2,515,798, July 18.

Reddemann, Werner K., Detmold, Germany. Twin fountain pens. 2,513,201, June 27.

Red Devil Tools, assignee: *See*—
Schueller, Frank R.

Reddick, Leo R., Seattle, Wash. Micrometer-type adjustable saxophone mouthpiece. 2,496,749, Feb. 7.

Redding, Arnold H., Swarthmore, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Combustion apparatus. 2,508,420, May 23.

Redding, Arnold H., Swarthmore, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Gas turbine apparatus with selective regenerator control. 2,516,910, Aug. 1.

Redding, Arnold H., Swarthmore, Pa., and D. W. Hutchinson, Mamaroneck, N. Y., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Adjustable jet propulsion nozzle for gas turbines. 2,516,909, Aug. 1.

Reddock, Morris D., Brooklyn, N. Y. Ground clamp. 2,533,897, Dec. 12.

Redenbaugh, Gerald E., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Lock. 2,529,421, Nov. 7.

Redford Iron & Equipment Company, assignee: *See*—
Ostermann, Otto, and Blendin.

Redheffer, Raymond M., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Antenna for radiating circularly polarized waves. 2,518,933, Aug. 15.

Reding, Marcel: *See*—
Bossard, Werner, and Reding.

Redinger, Clarence V., San Bernardino, assignor of forty-nine per cent to D. E. Roode, Highland, Calif. Making ornamental cakes. 2,535,319, Dec. 26.

Redinger, Joseph M., Johnston, R. I., assignor to Thurston Manufacturing Company. Tool and holder therefor. 2,533,179, Dec. 5.

Redler, Arnold, Stroud, England. Bin discharging apparatus. 2,519,929, Aug. 22.

Redman, Horace E., Wyandotte, Mich., assignor to Socony-Vacuum Oil Company, Incorporated. Mineral oil composition. 2,495,478, Jan. 24.

Redman Trust, Trustees of the, assignee: *See*—
Chatfield, Franklin.

Redman, William J.: *See*—
Maier, August R., and Redman.

Redman, William J., Pittsburgh, Pa., assignor to Oil Well Supply Company. Crankshaft bearing. 2,519,501, Aug. 22.

Redmayne, Robert G.: *See*—
Colucci, John, Jr., and Redmayne.

Redmon, Bryan C.: *See*—
Kaiser, Donald W., and Redmon.

Redmon, Charles L.: *See*—
McLaughlin, Carl B., Ochs, and Redmon.

Redmon, Frank M., Sr., West Newton, assignor of one-third to R. E. Cline and one-third to J. H. Cardinal, Indianapolis, Ind. Combined pedal for motor vehicles. 2,499,280, Feb. 28.

Redmond Company, Inc., assignee: *See*—
Wylie, Andrew R.

Red Star Company, The, assignee: *See*—
Johnson, Arthur A., and Lehmann.

Reduction and Refining Company, assignee: *See*—
Mantell, Charles L.

Redue, Henry O., Jr., Annapolis, Md. Miles per gallon gauge. 2,522,299, Sept. 12.

Reeb, Henry A., Dixon, Calif. Animal trap. 2,499,682, Mar. 7.

Reece, Asa C., Charleston, S. C. Jar lifter. 2,493,314, Jan. 3.

Reece Corporation, The, assignee: *See*—
Bradford, Leonard R., Dunnell, and McAvinney.
Putnam, John P.

Reed, Ancil O., Indianapolis, Ind. Bracing tubes internally for specific use in constructing aluminum or magnesium ladders. 2,516,020, July 18.

Reed, Arthur W., Detroit, Mich. Internal-combustion engine fuel system and cooling means. 2,501,739, Mar. 28.

Reed Battery Corporation, assignee: *See*—
Reed, Leland G.

Reed, Buckley R., Newton, Mass. Air deflector. 2,494,057, Jan. 10.

Reed, Carl S., assignor to The Lummus Company, New York, N. Y. Hydrocarbon feed distributor for catalytic apparatus. 2,534,209, Dec. 12.

Reed, Carl S., New York, and A. H. Schutte, Hastings on Hudson, assignors to The Lummus Company, New York, N. Y. Apparatus for catalytic conversion of hydrocarbon vapors. Re. 23,237, May 30.

Reed, Carl S., New York, and A. H. Schutte, Hastings on Hudson, assignors to The Lummus Company, New York, N. Y. Recycling catalyst fines in a catalyst conversion system. Re. 23,241, June 13.

Reed, Carl S., New York, and O. C. Schauble, Mount Kisco, assignors to The Lummus Company, New York, N. Y. Multiple block baffle construction for multiple tube fluid heaters. 2,534,208, Dec. 12.

Reed & Carnrick, assignee: *See*—
Niederl, Victor and Bloom.
Van Meter, Clarence T., and Bianculli.

Reed, Charles C., Little Rock, Ark. Gun rest. 2,517,927, Aug. 8.

Reed, Dewey R., Woodhull, Ill. Tractor hitch. 2,499,879, Mar. 7.

Reed, E. P., & Co., assignee: *See*—
Pierson, Harold L.

Reed, Eo, assignor to Armco Steel Corporation, Middletown, Ohio. Scrap cutting shear. 2,500,772, Mar. 14.

Reed, Frank S., assignee: *See*—
Quinn, Clara E.

Reed, George F., and W. H. Gould, Johannesburg, Transvaal, Union of South Africa. Seats, tables, and the like. 2,510,293, June 6.

Reed, Harold B., Chicago, F. W. Swanson, Park Ridge, and L. Peters, Evanston, Ill., said Reed and said Peters assignors to said Swanson. Bacon package. 2,509,450, May 30.

Reed, Harold V., assignor to Borg-Warner Corporation, Chicago, Ill. Clutch plate. 2,507,646, May 16.

Reed, Harold V., assignor to Borg-Warner Corporation, Chicago, Ill. Clutch plate. 2,534,991, Dec. 19.

Reed, Henry G., and J. K. Beasley, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Processing viscous solutions. 2,494,143, Jan. 10.

Reed, Homer C., Glendale, and B. M. Holt, Manhattan Beach, assignors to Union Oil Company of California, Los Angeles, Calif. Azeotropic distillation of toluene. Re. 23,262, Aug. 22.

Reed, Irvin F., Auburn, Ala., and O. A. Brown, Ellisville, Miss., assignors to the United States of America as represented by the Secretary of Agriculture. Peanut-digging machine. 2,517,597, Aug. 8.

Reed, Ivan E., Prestonsburg, Ky. Mechanism for removing dents. 2,510,253, June 6.

Reed, James L.: *See*—
Hartwig, Edward C., and Reed.

Reed, Jess M., Inglewood, Calif. Voltage multiplying circuits, including a switch therefor. 2,496,021, Jan. 31.

Reed, Joe F., assignee: *See*—
Umphrey, Jacob J.

Reed, John C., Steelton, Pa., assignor to Bethlehem Steel Company. Ingot buggy. 2,521,803, Sept. 12.

Reed, Leland G., Los Angeles, assignor to Reed Battery Corporation, North Hollywood, Calif. Storage battery. 2,511,943, June 20.

Reed, Lyman C., New Orleans, La. Air diverter. 2,497,824, Feb. 14.

Reed, Merrill D., Covelo, Calif. Dragging hook for traps. 2,521,537, Sept. 5.
Reed, Raymond E.: *See*—
De Mytt, Louis, and Reed.
Root, Morris J., and Reed.
Reed, Robert G.: *See*—
Breisch, Edgar W., Reed, and Golladay.
Reed, Robert S., Three Rivers, Mich. Brick or block casting machine. 2,514,971, July 11.
Reed, Robert S., Three Rivers, Mich. Hand truck. 2,514,972, July 11.
Reed Roller Bit Company, assignee: *See*—
Boice, Elvin G.
Goolsbee, Charles C.
Goolsbee, Charles C., and Wallace.
Francis, Walter C.
Stokes, John C.
Stokes, John C., and Goolsbee.
Van Sittert, Paul.
Whitledge, Edgar R.
Wolf, Andrew J., Moller, and Crook.
Reed, Thomas F., Mount Lebanon, Pa., assignor to United States Steel Corporation of Delaware. Extensometer. 2,525,182, Oct. 10.
Reed, Wesley W., Hammond, Ind., assignor to Whiting Corporation, Harvey, Ill. Bottom tap foundry ladle having tap rod raising and lowering mechanism with laterally adjustable actuating lever. 2,493,594, Jan. 3.
Reed, Winston H., assignor to Carrier Corporation, Syracuse, N. Y. Azeotropic mixture for use as a refrigerant. 2,511,993, June 20.
Reeder, Wendell, and J. J. Russ, assignors to Campbell Taggart Research Corporation, Dallas, Tex. Cleaning preparation for removing silicone resins from baking pans and similar articles. 2,525,079, Oct. 10.
Reedy, Charles E., West Milton, Pa., assignor to American Car and Foundry Company, New York, N. Y. Tank car nozzle. 2,496,677, Feb. 7.
Reedy, Charles H., assignee: *See*—
Murray, Victor E.
Reedy, Willis L.: *See*—
Fausek, Irwing F., Reedy, and Copeland.
Reef, Albert H., assignee: *See*—
Vogel, Frank.
Reehling, Harold A., assignor to Armstrong Cork Company, Lancaster, Pa. Extraction of plastics from linoleum cement. 2,515,265, July 18.
Reek, Royal J., and F. V. Kuzmitz, assignors to Bendix Aviation Corporation, South Bend, Ind. Gun turret. 2,520,736, Aug. 29.
Reek, Royal J., and F. O. Wisman, assignors to Bendix Aviation Corporation, South Bend, Ind. Support for electrical machines. 2,531,702, Nov. 28.
Reel, Grover B., Shelby, N. C. Return device for picker sticks. 2,535,867, Dec. 26.
Reely, William H., assignee: *See*—
Fields, Otis E.
Reemtsma, Behrend A., assignee: *See*—
Trees, Leonard E.
Reens, Max A., Bussum, Netherlands. Cabinet having combined closure and writing table. 2,502,026, Mar. 28.
Rees, George A., St. Petersburg, Fla. Universal scouring pad holder. 2,526,418, Oct. 17.
Rees, Harry V., Chappaqua, assignor to Texaco Development Corporation, New York, N. Y. Synthesis of hydrocarbons and the like. 2,521,538, Sept. 5.
Rees, Kenneth E., Sioux City, Iowa. Barrel rack. 2,505,723, Apr. 25.
Rees, Ned J.: *See*—
Runde, Kenneth R., and Rees.
Rees, Willis M., Toledo, Ohio, assignor to Owens-Corning Fiberglas Corporation. Acoustic wall treatment with replaceable facing. 2,497,912, Feb. 21.
Reese, Emmet P., Shoup, Idaho. Unloading, curing, storing, and reloading plant. 2,529,263, Nov. 7.
Reese, Jesse C., Los Angeles, Calif. Fluid pressure operated oil measuring system. 2,501,004, Mar. 21.
Reese, John E.: *See*—
Bishop, William T., Lorand, and Reese.
Lorand, Eugene J., and Reese.
Reese, Kenneth E., Elkhart, Ind. Safety trip mechanism. 2,518,492, Aug. 15.
Reese, Martin, Bronx, assignor to Premier Industries Corporation, New York, N. Y. Electric heating tool. 2,514,092, July 4.
Reese, Michael, Research Foundation, assignee: *See*—
Levinson, Sidney O., and Openheimer.
Oppenheimer, Franz.
Reese, Richard T., North Hollywood, Calif. Bolt and nut fixture. 8,531,892, Nov. 28.
Reeside, Arthur C., Homestead, Pa. Measuring device. 2,508,296, May 16.
Reeve, Howard T., Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Soldering compositions. 2,503,564, Apr. 11.
Reeves, Alec H., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Electric pulse modulator. 2,495,768, Jan. 31.
Reeves, Alec H., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Electric counting circuits. 2,498,708, Feb. 28.
Reeves, Alec H., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Gaseous discharge device. 2,505,006, Apr. 25.
Reeves, Alec H., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Gaseous discharge device. 2,516,915, Aug. 1.
Reeves, Alec H., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Electric discharge device. 2,517,599, Aug. 8.
Reeves, Alec H., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Electric discharge device. 2,520,171, Aug. 29.
Reeves, Alexander B., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Article working apparatus. 2,521,947, Sept. 12.
Reeves, Arthur E., Los Angeles, Calif. Film feed mechanism. 2,506,649, May 9.
Reeves, Arthur E., Westwood, Calif. Film printing device. 2,518,571, Aug. 15.
Reeves, B. K., assignee: *See*—
Kerby, Harmon C.
Reeves, Charles H., Denver, Colo. Plumber's tool for holding two pipes in alignment. 2,523,519, Sept. 26.
Reeves, Clarence E., Chicago, Ill. Dial impulse recorder. 2,495,769, Jan. 31.
Reeves, Donald H., Dayton, Ohio, assignor to Donald H. Reeves and Associates, Beulah, Mich. Fluid valve assembly. 2,497,557, Feb. 14.
Reeves, Donald H., Dayton, Ohio, assignor to Donald H. Reeves and Associates, Beulah, Mich. Fluid valve assembly. 2,497,558, Feb. 14.
Reeves, Donald H., assignor to General Motors Corporation, Dayton, Ohio. Vacuum cleaner. 2,499,330, Feb. 28.
Reeves, Donald H., assignor to General Motors Corporation, Dayton, Ohio. Vacuum cleaner brush drive. 2,513,587, July 4.
Reeves, Donald H., assignor to General Motors Corporation, Dayton, Ohio. Ice tray and grid. 2,518,373, Aug. 8.
Reeves, Donald H., assignor to General Motors Corporation, Dayton, Ohio. Brush adjusting system. 2,526,419, Oct. 17.
Reeves, Donald H., and Associates, assignee: *See*—
Reeves, Donald H.
Reeves-Ely Laboratories, Inc., assignee: *See*—
Dickinson, Edwin A., and Pross.
Reeves, Frank K., assignor to The Atlantic Development Corporation Limited, London, England. Protector device, more particularly for use with knitting needles. 2,504,350, Apr. 18.
Reeves, George B., Fairfax, Ala., assignor to Abington Textile Machinery Works, Abington, Mass. Filter cleaning mechanism. 2,511,598, June 13.
Reeves, George W., Wichita, Kans. Drawing instrument. 2,515,357, July 18.
Reeves, Hazard E., New York, N. Y. Portable crib. 2,504,879, Apr. 18.
Reeves, Herbert M., Kankakee, Ill., assignor to Florence Stove Company, Gardner, Mass. Primary air and gas supply means for burners. Re. 23,299, Nov. 28.
Reeves, Herbert M., Kankakee, Ill., assignor to Florence Stove Company, Gardner, Mass. Cookstove. 2,496,750, Feb. 7.
Reeves, Herbert M., Kankakee, Ill., assignor to Florence Stove Company, Gardner, Mass. Cookstove oven and door therefor. 2,513,202, June 27.
Reeves, Herbert M., Kankakee, Ill., assignor to Florence Stove Company, Gardner, Mass. Lighter tube support for gas cookstoves. 2,524,210, Oct. 3.
Reeves, Herbert M., Kankakee, Ill., assignor to Florence Stove Company, Gardner, Mass. Valve locking means for cookstoves. 2,525,562, Oct. 10.
Reeves, Herbert M., Kankakee, Ill., assignor to Florence Stove Company, Gardner, Mass. Gas cookstove burner grate. 2,530,991, Nov. 21.
Reeves, Herbert M., Kankakee, Ill., assignor to Florence Stove Company, Gardner, Mass. Combination grate and burner bowl structure for gas cookstoves. 2,532,461, Dec. 5.
Reeves Hoffman Corporation, assignee: *See*—
Dewey, Chalmers B.
Hoffman, Philip R.
Samuelson, Wallace H. E.
Via, Lester C.
Reeves, Howard F., Jr., Weeks, La., assignor, by mesne assignments, to Morton Salt Company, Chicago, Ill. Recovery and purification of aconitic acid. 2,514,010, July 4.
Reeves, Paul B.: *See*—
Heller, George M., and Reeves.
Reeves, Paul B., assignor to Reeves Pulley Company, Columbus, Ind. Sheet metal expansible pulley. 2,516,829, July 25.
Reeves Pulley Company, assignee: *See*—
Heller, George M., and Reeves.
Reeves, Paul B.
Reeves, Ray R., San Clemente, Calif. Flush tank ball valve. 2,520,059, Aug. 22.
Reeves, Richard E., New Orleans, La., assignor to the United States of America as represented by the Secretary of Agriculture. Production of improved cellulosic materials. 2,520,963, Sept. 5.
Reeves, Reuben G., Camden, N. J. Toy roundabout. 2,532,571, Dec. 5.
Reeves, Reuben G., Camden, N. J. Device for attracting attention to billboards. 2,532,572, Dec. 5.

Refinery Maintenance Co., Inc., assignee: *See*—
Nelly, Henry M., Jr.
Refining Unincorporated, assignee: *See*—
Gwynn, Marion H.
Kuble, William L., and Mattikow.
Mattikow, Morris.
Reflectone Corporation, The, assignee: *See*—
Simjian, Luther G.
Refsdal, Anfinn, Lilleaker, near Oslo, Norway. Device for securing telescoping tubes to each other. 2,526,415, Oct. 17.
Regal Tool & Mfg. Co., Inc., assignee: *See*—
Di Paolo, Gerard R., and Anzovino.
Regelmann, Elizabeth. *See*—
Regelmann, William and E.
Regelmann, William and E., Cranston, R. I. Cigarette lighter. 2,529,104, Nov. 7.
Regents of the University of Michigan, The, assignee: *See*—
Blicke, Frederick F.
Reger, John H., Devon, Conn. Fusible element. 2,510,756, June 6.
Reger, John H., Devon, Conn. Fire extinguisher. 2,522,962, Sept. 19.
Reger, Lee N., Burbank, Calif. Bra. 2,495,479, Jan. 24.
Reger, Lee N., Burbank, Calif. Garment. 2,513,108, June 27.
Reggio, Ferdinando C., Buffalo, N. Y. Engine regulating means. 2,516,911, Aug. 1.
Reggio, Ferdinando Carlo, Norwalk, Conn. Fluid supply device. 2,516,828, July 25.
Regie Nationale Des Usines Renault, assignee: *See*—
Saives, Leon.
Regina S. A., assignee: *See*—
Ancet, Victor M. J.
Regna, Paul G., assignor to Wagner Electric Corporation, St. Louis, Mo. Resilient hitch for portable measuring devices. 2,505,205, Apr. 25.
Regna, Peter P.: *See*—
Carboni, Rudolph A., and Regna.
Rehberg, Chessie E., Glenside, and C. H. Fisher, Abington, Pa., assignors to the United States of America as represented by the Secretary of Agriculture. Preparing methyl beta-furfuryloxypropionate. 2,504,151, Apr. 18.
Rehberg, Chessie E., Glenside, and C. H. Fisher, Abington, Pa., assignors to the United States of America as represented by the Secretary of Agriculture. Resins of alkyl-substituted cycloalkonal esters of acrylic acids. 2,511,880, June 20.
Rehklau, Walter E., Toledo, Ohio. Foundry mold practice. 2,510,417, June 6.
Rehm, Gustav A., assignor to Riley Stoker Corporation, Worcester, Mass. Water-cooled furnace. 2,526,416, Oct. 17.
Rehm, Gustav A., assignor to Springfield Boiler Company, Springfield, Ill. Steam purifier. 2,527,450, Oct. 24.
Rehnberg, Axel F., Rockford, Ill., and J. Nelson, Santa Monica, Calif., assignors to Rehnberg-Jacobson Mfg. Co., Inc., Rockford, Ill. Shell-banding machine. 2,517,598, Aug. 8.
Rehnberg, Axel F., and J. Nelson, assignors to Rehnberg-Jacobson Mfg. Co., Inc., Rockford, Ill. Electrical control mechanism. 2,520,014, Aug. 22.
Rehnberg, Gustaf A., assignor to Norton Company, Worcester, Mass. Diamond abrasive. 2,508,042, May 16.
Rehnberg-Jacobson Mfg. Co., Inc., assignee: *See*—
Rehnberg, Axel F., and Nelson.
Rehner, John, Jr., Westfield, N. J., and P. J. Flory, Kent, Ohio, assignors to Standard Oil Development Company. Increasing bruise-resistance of low-unsaturation isobutylene-diolefin synthetic rubber before curing. 2,526,504, Oct. 17.
Rehwald, Edmund A., assignor to Barber-Colman Company, Rockford, Ill. Electric motor-driven operator. 2,497,794, Feb. 14.
Rehwald, Edmund A., assignor to Barber-Colman Company, Rockford, Ill. Closure operator. 2,520,855, Aug. 29.
Rehwald, Richard T., administrator: *See*—
Foster, Maurice.
Reiber, Harold G., Davis, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Preparation of higher chlorides of uranium. 2,499,836, Mar. 7.
Reich, Ernst: *See*—
Felix, Friedrich, Heckendorn, Reich, and Oesterlein.
Reisinger, Frederick F.: *See*—
Chester, Allan E., and Reisinger.
Reichart, Earl W., Hanover, Pa. Stationary and rotary cutter for cutting seed potatoes. 2,503,069, Apr. 4.
Reichart, James H., Muncie, Ind. Teakettle. 2,501,142, Mar. 21.
Reichart, James H., Muncie, Ind. Hinged whistle construction. 2,507,934, May 16.
Reichel, Wladimir A., Hackensack, and J. F. Emerson, Hasbrouck Heights, N. J., assignors to Kearfott Company, Inc., New York, N. Y. Gyro erecting system. 2,516,912, Aug. 1.
Reichel, Waldimir A., Hackensack, N. J., assignor, by mesne assignments, to Kearfott Company, New York, N. Y. Gyroscope erecting system. 2,531,826, Nov. 28.
Reichenbach, Joseph V.: *See*—
Brown, Hugh S., Armstrong, and Reichenbach.
Reichertz, Paul P., Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Measuring extent of oil saturation of porous materials. 2,520,058, Aug. 22.
Reiches, Sol L.: *See*—
Cooper, Hugh S., Martin, Reiches, and Gray.
Reichhelm, George L., assignor to Hassock Company, New York, N. Y. Nesting hassock. 2,509,525, May 30.
Reichhold Chemicals, Inc., assignee: *See*—
Braidwood, Clinton A.
Hewitt, Philip S., and Carter.
Reichinstein, David, Zurich, Switzerland. Arc lamp and circuit therefor. 2,508,192, May 16.
Reichl, Eric H., Orinda, Calif., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Manufacture of synthesis gases. 2,529,630, Nov. 14.
Reichmuth, Werner K., Basel, Switzerland. Container for toothbrushes. 2,508,773, May 23.
Reichold, Ludwig, Simsbury, and L. V. Lucia, West Hartford, assignors to The Silex Company, Hartford, Conn. Swiveled iron cord protector. 2,530,540, Nov. 21.
Reichstein, Tadeus, Basel, Switzerland. Cyclopentanopolyhydrophenanthrenes and making same. 2,503,842, Apr. 11.
Reichstein, Tadeus, Basel, Switzerland, assignor to N. V. Organon, Oss, Netherlands. Δ5,6-3-hydroxysteroid and derivatives thereof. 2,520,656, Aug. 29.
Reid, Alexander C., Genoa, Ill., and H. P. Boswau, Lorain, Ohio, assignors to Leich Electric Company, Genoa, Ill. Automatic switch. 2,512,261, June 20.
Reid, Allen F., New York, N. Y., assignor to the United States of America as represented by the United States Atomic Energy Commission. Cyclotron target. 2,504,585, Apr. 18.
Reid, Colin C.: *See*—
Robinson, Preston, and Reid.
Reid, Earl D., Silver Spring, Md. Outboard motor support. 2,507,613, May 16.
Reid, Edward S., Charlotte, N. C., assignor to Sonoco Products Company. Paper tube assembly for concrete construction. 2,497,058, Feb. 7.
Reid, George C., and S. S. Jacobs, Brooklyn, assignors to American Can Company, New York, N. Y. Container with pouring throat and connecting dispensing opening. 2,499,416, Mar. 7.
Reid, Hugh G., Norton-on-Tees, England, assignor to Imperial Chemical Industries Limited. Thermoplastic compositions plasticized with an ester of 3,5,5-trimethyl-1-hexanol. 2,517,350, Aug. 1.
Reid, Hugh G., Norton-on-Tees, England, assignor to Imperial Chemical Industries Limited. Thermoplastic compositions plasticized with an ester of 3,5,5,-trimethyl-1-hexanol. 2,517,351, Aug. 1.
Reid, Hugh G., Norton-on-Tees, England, assignor to Imperial Chemical Industries Limited. Thermoplastic compositions plasticized with an ester of 3,5,5,-trimethyl-1-hexanol. 2,517,352, Aug. 1.
Reid, James A.: *See*—
Bailey, Grant C., and Reid.
Reid, John D.: *See*—
Buras, Edmund M., Jr., and Reid.
Reid, John D., assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Television receiving system. 2,507,995, May 16.
Reid, John D., assignor to AVCO Manufacturing Corporation, Cincinnati, Ohio. Radio cabinet and tuning dial structure. 2,510,757, June 6.
Reid, John D., assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Projection television receiver cabinet. 2,512,553, June 20.
Reid, John D., assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Radio-frequency tank circuit. 2,514,337, July 4.
Reid, John D., assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Power line antenna. 2,520,811, Aug. 29.
Reid, John D., Mount Healthy, Ohio, assignor, by mesne assignments, to Avco Manufacturing Corporation. Push-button tuner for radio receivers. 2,507,576, May 16.
Reid, John D., Mount Healthy, Ohio, assignor, by mesne assignments, to AVCO Manufacturing Corporation. Frequency modulation receiver. 2,510,906, June 6.
Reid, John D., Mount Healthy, Ohio, assignor, by mesne assignments, to Avco Manufacturing Corporation. Superheterodyne radio receiver. 2,533,045, Dec. 5.
Reid, John D., Oak Ridge, Tenn., assignor, by mesne assignments, by the United States of America as represented by The United States Atomic Energy Commission. Hydraulically driven oscillatory brush. 2,514,142, July 4.
Reid, John D., W. K. Ward, Jr., New Orleans, La., and L. W. Mazzeno, Jr., U. S. Army, assignors to the United States of America as represented by the Secretary of Agriculture. Prevention of degradation of textile fibers by acids. 2,493,031, Jan. 3.
Reid, John D., and G. C. Daul, New Orleans, La., assignors to The United States of America as represented by the Secretary of Agriculture. Preparation of fibers from carboxymethyl-cellulose. 2,495,767, Jan. 31.
Reid, John G., Jr., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Absorption refrigeration control. 2,502,104, Mar. 28.

Reid, John G., Jr., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Absorption refrigerating system with absorbent concentration control. 2,518,180, Aug. 8.
Reid, Lewis B., Atlanta, Ga. Closed receptacle into which a mop may be inserted and shaken. 2,497,795, Feb. 14.
Reid, Marshall B., Ferguson, assignor to Brooks Paper Company, St. Louis, Mo. Composite paper roll. 2,502,749, Apr. 4.
Reid, Nellie, Ferndale, Mich. Chair arm table. 2,501,580, Mar. 21.
Reid, Ralph A., Beverly, Mass., assignor to General Electric Company. Lighting unit. 2,534,992, Dec. 19.
Reid, Robert J., Canal Fulton, assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Preparation of cements. 2,514,222, July 4.
Reid, Robert W., *See*—
Midgette, Ernst L., and Reid.
Reid, Roland A., Chicago, Ill. Massaging device. 2,519,066, Aug. 15.
Reid, Rose M., assignor to R. M. Reid, Los Angeles, Calif. Garment. 2,535,018, Dec. 19.
Reid and Sigrist Limited, assignee: *See*—
Cantle, Leicester G. H.
Reid, Thomas S.: *See*—
McMeekin, Thomas L., Reid, Warner, and Jackson.
Reid, Vernon D., Sr., Westlake, La. Typewriter paper guide. 2,527,764, Oct. 31.
Reid, Willard J., Genoa, Ill. Synchronous motor. 2,531,530, Nov. 28.
Reid, William H. P., Tiger Kloof, Cape Province, assignor to Roec (Proprietary) Limited, Capetown, Cape Province, Union of South Africa. Ventilating system for dry closets and septic tanks. 2,520,657, Aug. 29.
Reider, Charles M.: *See*—
Pierotti, Gino J., Handlos, and Reider.
Reier, William S.: *See*—
Mali, Harry E., and Reier.
Reifel, Harry, Waltham, assignor to Stevens-Arnold Inc., South Boston, Mass. Relay. 2,504,101, Apr. 18.
Reifel, Harry, Waltham, assignor, by mesne assignments, to Stevens-Arnold Inc., Boston, Mass. Resonant switch system. 2,529,814, Nov. 14.
Reiff, Orland M., H. J. Andress, Jr., and A. P. Kozacik, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Synthetic lubricants. 2,500,203, Mar. 14.
Reiff, Orland M., and H. J. Andress, Jr., Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Lubricant. 2,500,498, Mar. 14.
Reiff, Orland M., Woodbury, and H. J. Andress, Jr., Pitman, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Wax-substituted polyalkylthiophene. 2,502,390, Mar. 28.
Reiff, Orland M., and H. J. Andress, Jr., Woodbury, N. J., assignors to Socony Vacuum Oil Company, Incorporated. Alkyl substituted thiophene sulfonic acid salts as detergents in mineral oil compositions. 2,518,372, Aug. 8.
Reiff, Orland M., and H. J. Andress, Jr., Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Lubricant. 2,528,782, Nov. 7.
Reifsnyder, James D., Flushing, assignor to Lily-Tulip Cup Corporation, New York, N. Y. Snap-on-cover. 2,493,086, Jan. 3.
Reigel, Chester K.: *See*—
Sawyer, Marion B., Sr., and Reigel.
Reijns, Hermanus F. M., Rotterdam, assignor to Algemeen Technisch-en Industrieel Bureau de Erven Jac. W. Rijns, Heerlen, Netherlands. Projector-drawing apparatus. 2,522,839, Sept. 19.
Reil, Ben, Dunkerton, Iowa. Automatic electric wire roller for electric power lawn mowers. 2,498,609, Feb. 21.
Reil, John, Cudahy, Wis. Thermostat damper and pipe control. 2,496,410, Feb. 7.
Reiley, Gene, Wynnewood, Pa. Beach stick. 2,509,074, May 23.
Reilley, Carl and S. B. Smith, Newport Beach, Calif. Clearance indicator for automobiles. 2,518,065, Aug. 8.
Reilly, Alfred F., North Attleboro, Mass. Locket. 2,501,917, Mar. 28.
Reilly, Alfred F., North Attleboro, Mass., assignor to Evans Case Co. Compact. 2,535,455, Dec. 26.
Reilly, Arlington A., Brooklyn, N. Y. Heat indicator and switch. 2,518,998, Aug. 15.
Reilly, Bertram B., Ben Avon, assignor to Dravo Corporation, Pittsburgh, Pa. Air conditioning for crane cabs. 2,513,517, July 4.
Reilly, Frank W., Auburndale, Mass. Power disconnect switch. 2,528,548, Nov. 7.
Reilly, Gerard J., Rumson, and W. E. Harbaugh, Fair Haven, N. J. Hydrogen thyratron. 2,497,911, Feb. 21.
Reilly, Gerard J., Rumson, and W. E. Harbaugh, Fair Haven, N. J. Hydrogen thyratron. 2,528,547, Nov. 7.
Reilly, Jack E., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Regulating system. 2,495,182, Jan. 17.
Reilly, Jack E., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control circuit. 2,504,878, Apr. 18.
Reilly, Jack E., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Synchronous condenser protective system. 2,523,141, Sept. 19.
Reilly, John H., assignor to The Dow Chemical Company, Midland, Mich. Vulcanizable cement composition. 2,523,235, Sept. 19.
Reilly Tar & Chemical Corporation, assignee: *See*—
Cislak, Francis E.
Cislak, Francis E., Karnatz and Kelley.
Cislak, Francis E., and Wheeler.
Rieger, William H.
Reiman, Walter and C. L. Arnold, Cincinnati, Ohio, and W. A. Tschirgi, White Sulphur Springs, Mont., assignors to The Kroger Company, Cincinnati, Ohio. Tenderization of meat. 2,528,079, Oct. 31.
Reimer, John F., assignor to Invincible Metal Furniture Company, Manitowoc, Wis. Filing cabinet. 2,532,942, Dec. 5.
Reimers, Theodor M., assignor to Standard Cap and Seal Corporation, Chicago, Ill. Apparatus for packaging materials. 2,515,838, July 18.
Reimschissel, Charles A., assignor to Landis Machine Company, Waynesboro, Pa. Quick opening mechanism. 2,499,970, Mar. 7.
Reimschissel, Charles A., assignor to Landis Machine Company, Waynesboro, Pa. Chaser holder. 2,499,971, Mar. 7.
Reimschissel, Charles A., assignor to Landis Machine Company, Waynesboro, Pa. Multidiameter threading mechanism. 2,514,258, July 4.
Rein, Adolf, Washington, D. C. Strainer for paint spray guns. 2,521,094, Sept. 5.
Rein, Joseph L., Washington, D. C. Mixing bowl scraper. 2,524,116, Oct. 3.
Reinard, Irvin C., Buffalo, N. Y. Paper hanger's folding table. 2,513,518, July 4.
Reineking, William, Melbourne, Fla. Practice type golf club. 2,497,237, Feb. 14.
Reiner, Kenneth, Los Angeles, Calif. Nut retainer assembly. 2,524,176, Oct. 3.
Reiner, Laszlo, Bloomfield, assignor to Wallace & Tiernan Products, Inc., Belleville, N. J. Sclerosing composition. 2,497,742, Feb. 14.
Reiner, Robert, Inc., assignee: *See*—
Lambach, Fritz.
Reinhard, Gustav A., Shaker Heights, Ohio. Dynamo-electric machine. 2,523,520, Sept. 26.
Reinhard, Karl, New York, N. Y. Broach. 2,521,747, Sept. 12.
Reinhardt, Henry A., and C. R. Johnson, Longmeadow, Mass., assignors to Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn. Producing axminster pile fabric. 2,509,351, May 30.
Reinhardt, Henry A., and C. R. Johnson, Longmeadow, Mass., assignors to Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn. Axminster pile fabric. 2,509,352, May 30.
Reinhardt, Henry A., and W. T. Harrison, Longmeadow, Mass., assignors to Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn. Leather substitute. 2,530,441, Nov. 21.
Reinhardt, Otto K.: *See*—
Martinez, John M., and Reinhardt.
Reinhardt, Otto K., assignor to Olin Industries, Inc., New Haven, Conn. Flat dry battery. 2,519,053, Aug. 15.
Reinhardtsen, Norman: *See*—
Alschuler, Richard H., and Reinhardtsen.
Reinhart, Howard A., San Francisco, Calif., and A. M. Selvey, Pittsburgh, Pa., said Reinhart assignor, by mesne assignments, to Tray-Hart, Inc., Jersey City, N. J. Apparatus for transporting cylindrical containers and the like. 2,528,783, Nov. 7.
Reinhold, Frank W.: *See*—
Stacey, Ernest W., and Reinhold.
Reinhold, Frank W., Beverly, and J. J. Maciejowski, Ipswich, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Firing mechanism for use in armed mounts. 2,495,822, Jan. 31.
Reinhold, Leonhard F., Great Kills, N. Y., assignor to Radio Corporation of America. Ribbon feed device. 2,505,991, May 2.
Reinholz, William H., Altadena, assignor to W. J. Hubert, doing business as Auto-Bye Company, Los Angeles, Calif. Chair construction. 2,509,451, May 30.
Reinker, Gerald E., Cleveland, Ohio., assignor to General Electric Company. Electric lamp base. 2,504,586, Apr. 18.
Reinking, Walter H., Sumner, Iowa. Power take-off grain and forage unloader. 2,495,907, Jan. 31.
Reinmuller, Gustav, Union City, N. J. Reversible window. 2,493,501, Jan. 3.
Reinnagel, Richard E., Eggertsville, N. Y. Educational device. 2,498,578, Feb. 21.
Reinsdorf, Murray A., Great Neck, N. Y. Combination headrest and earphones. 2,527,656, Oct. 31.
Reinshagen, Karl, assignee: *See*—
Bruning, Otto K.
Reis, Alfred, assignor to American Measuring Instruments Corporation, New York, N. Y. Metallic sealing ring. 2,518,253, Aug. 8.
Reis, Joseph J., Jr., Baltimore, Md., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Paintbrush and synthetic bristles for the same. 2,508,799, May 23.
Reischl, Karl E., assignor to Bucyrus-Erie Company, South Milwaukee, Wis. Dumping control for scrapers. 2,508,421, May 23.

Reisinger, Frederick F.: *See*—
Chester, Allan E., and Reisinger.
Reisner, John H., Haddonfield, N. J., assignor to Radio Corporation of America. Permanent magnetic electron lens system. 2,503,173, Apr. 4.
Reisner, John H., Haddonfield, N. J., assignor to Radio Corporation of America. Rod-type specimen stage for electron optical instruments. 2,510,349, June 6.
Reiss, Christian H., Summit, N. J. Roller bearing and roller cage therefor. 2,503,070, Apr. 4.
Reiss, Max, assignor to Eastman Kodak Company, Rochester, N. Y. Wide-angle camera objective. 2,518,719, Aug. 15.
Reiss Manufacturing Corporation, assignee: *See*—
Duske, Arthur C., and Reiss.
Reiss, Raymond H.: *See*—
Duske, Arthur C., and Reiss.
Reistle, Carl E., Jr., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Drill stem testing device. 2,497,185, Feb. 14.
Reitan, Claude S., Fergus Falls, Minn. Power rake. 2,505,576, Apr. 25.
Reitano, Edward S., assignor to Sani-Mask Inc., Mount Vernon, N. Y. Protective mask. 2,494,406, Jan. 10.
Reiter, Adolph, New York, N. Y. Scalp massaging tool. 2,505,005, Apr. 25.
Reiter, Alexander L., assignor to Bendix Home Appliances, Inc., South Bend, Ind. Tumbler cylinder drive and support structure. 2,498,181, Feb. 21.
Reiter, David, Woodside, N. Y. Matrix retainer, 2,500,867, Mar. 14.
Reiter, Frank J., Jefferson City, Mo. Liquid level gauge. 2,511,649, June 13.
Reiter, Harold J., Chicago, Ill. Hinge structure. 2,533,626, Dec. 12.
Reiter, William, and V. Dettman, Hutchinson, Minn. Wagon hitch for hay balers. 2,516,646, July 25.
Reitherman, Ralph W., Chicago, Ill., assignor to A. F. Henninger. Electron discharge device. 2,506,740, May 9.
Reitsema, Robert H.: *See*—
Price, Charles C., and Reitsema.
Reitsema, Robert H., assignor to The Upjohn Company, Kalamazoo, Mich. 1-alkyl-4-pyrrolidinoethylaminopiperidines. 2,496,955, Feb. 7.
Reitsema, Robert H., assignor to The Upjohn Company, Kalamazoo, Mich. 1-alkyl-4-(beta-hydroxyethylamino)-piperidines. 2,496,956, Feb. 7.
Reitsema, Robert H., assignor to The Upjohn Company, Kalamazoo, Mich. 1-alkyl-(N-benzyl-N-alphapyridylamino)-piperidines and their production. 2,496,957, Feb. 7.
Reitsema, Robert H., assignor to The Upjohn Company, Kalamazoo, Mich. 1-alkyl-benzylaminopiperidines and their production. 2,496,958, Feb. 7.
Reitsema, Robert H., assignor to The Upjohn Company, Kalamazoo, Mich. Pyrrolidylalkylamino chloroquinoline compound. 2,526,417, Oct. 17.
Reitter, George E.: *See*—
Germer, Lester H., and Reitter.
Reitz, Archie E., Los Angeles, Calif. Animated display device. 2,530,729, Nov. 21.
Reitz, John H., Johnstown, Pa. Jack type tire bead and rim separating device. 2,523,448, Sept. 26.
Reitz, John R.: *See*—
Hersh, John F., Faran, and Reitz.
Reitz, Lewis P., Jr.: *See*—
Niemann, Arthur W., and Reitz, Jr.
Reitzes, Herbert L., Philadelphia, Pa. Receptacle. 2,499,528, Mar. 7.
Reitzes, Herbert L., Philadelphia, Pa., assignor to Globe Products Heat Seal Corporation, Los Angeles, Calif. Bagmaking machine. 2,532,784, Dec. 5.
Reitzes-Marienwert, Maria de, assignee: *See*—
Alverez, Octavio J.
Rekettye, Paul, and C. A. Maxwell, Akron, Ohio, assignors to The Babcock & Wilcox Company, Rockleigh, N. J. Metalworking tool. 2,500,469, Mar. 14.
Relf, Reginald T., Chatham, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Gauge device. 2,523,329, Sept. 26.
Reliable Electric Company, assignee: *See*—
Baxter, Donald L.
Cook, John B.
Reliable Machine Works, Inc., assignee: *See*—
Friedman, Harold S.
Reliable Plastics Company, Limited, assignee: *See*—
Collins, Henry M.
Collins, Henry M., and Adcock.
Collins, Henry M., and Wright.
Reliable Products Manufacturing Co., Inc., assignee: *See*—
Arvintz, Abraham A., Arvins, and R. A. Arvintz.
Reliance Electric & Engineering Company, The, assignee: *See*—
Picking, Jay W.
Reliance Hydraulic Press, Inc., assignee: *See*—
May, Thomas L.
Reliance Manufacturing Company, Incorporated, assignee: *See*—
Long, Harry C.
Reliance Steel Products Company, assignee: *See*—
Nagin, Harry S.
Relyea, Walter I., Burnt Hills, N. Y., assignor to General Electric Company. Ionization gauge. 2,523,779, Sept. 26.
Rem, Henry M., New York, N. Y. Retractable polypointed writing utensil. 2,494,202, Jan. 10.
Rem, Henry M., New York, N. Y. Multicolor pencil. 2,519,502, Aug. 22.
Reman, Gerrit H., Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Refining hydrocarbon oils. 2,493,596, Jan. 3.
Rembold, Albert A., San Francisco, Calif. Index card in selective card-sorting system. 2,515,424, July 18.
Remboid, Albert A., San Francisco, Calif. Card for sequence sorting. 2,531,786, Nov. 28.
Remco Electronic, Inc., assignee: *See*—
Shepard, Francis H., Jr.
Remco, John L., Wilkes-Barre, Pa. Sectional plate. 2,495,132, Jan. 17.
Remde, Edward H., assignor to The Baker-Raulang Company, Cleveland, Ohio. Steering mechanism for vehicles. 2,516,074, July 18.
Remington Arms Company, Inc., assignee: *See*—
Catlin, John P.
Catlin, Robert T.
Catlin, Robert T., and Eckstein.
Christie, Lewis D.
Eckstein, George R.
Fischer, Fritz
Gagne, Antoine F., Jr.
Grebowiec, Michael J.
Greenhalgh, Cyrus W.
Messinger, Lester H.
Reynolds, Warren S.
Reynolds, Warren S., and Turner.
Walker, Merle H., and Haskell.
Remington Bulldozer Company, assignee: *See*—
Remington, Walter I.
Remington, Frederic, Elizabeth, and R. A. Tartaglia, East Orange, assignors to Peerless Tube Company, Bloomfield, N. J. Apparatus for removing collapsible tubes from supporting spindles. 2,526,900, Oct. 24.
Remington Rand Inc., assignee: *See*—
Bailey, Miles E.
Briechle, Ambrosius and Worden.
Carissimi, Louis C.
Crosman, Loring P.
Dreher, Elmer H.
Ferry, John T.
Gross, John W.
Henrich, William H.
Irrgang, Ludwig.
Lopez, Frank A.
Mattern, Arnold L.
Mixer, Harold P.
Mueller, John.
Roggenstein, Edwin O.
Wales, Nathaniel B., Jr.
Wilder, Marshall P.
Wilder, Marshall P., and Stevens.
Wolters, Carl F.
Remington, Walter I., assignor to Remington Bulldozer Company, Greenville, Tex. Bulldozer attachment for tractors. 2,522,583, Sept. 19.
Remington, Ward J., Nutley, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Filled polymer compositions. 2,516,591, July 25.
Remke, Frank A., Cincinnati, Ohio. Display stand. 2,514,794, July 11.
Remmele, Fred L., St. Paul, Minn. Gate lock. 2,510,520, June 6.
Remonte, John, Corsicana, Tex. Electric lawn mower. 2,496,022, Jan. 31.
Remonte, John, Corsicana, assignor of one-half to C. F. Dominy, Fort Worth, Tex. Lawn mower cutting reel. 2,533,691, Dec. 12.
Rempt, Henry F., Van Nuys, and N. W. Thielman, North Hollywood, assignors to Lockheed Aircraft Corporation, Burbank, Calif. Aircraft antenna. 2,511,513, June 13.
Renard, Roland E.: *See*—
Peterson, Howard B., and Renard.
Renaud, Collis P., assignor of one-half to M. L. Williams, Tulare, Calif. Earthworking implement. 2,514,091, July 4.
Renaud, Harold E., assignor to Renaud Plastics, Inc., Lansing, Mich. Die. 2,510,907, June 6.
Renaud, Harold E., assignor to Renaud Plastics, Inc., Lansing, Mich. Making templets. 2,516,091, July 18.
Renaud, Harold E., Lansing, Mich. Chair having spring supported seat. 2,516,801, July 25.
Renaud Plastics, Inc., assignee: *See*—
Renaud, Harold E.
Renault, Jean C., assignor to Farmers Mercantile Company, Salinas, Calif. Water control device for planting machines. 2,518,570, Aug. 15.
Renault, Jean C., assignor to Farmers Mercantile Company, Salinas, Calif. Disk assembly for tamping rollers. 2,526,158, Oct. 17.
Renay Products Engineering Co., Inc., assignee: *See*—
Martines, Rene.
Rendall, Margaret M.: *See*—
Buckman, Alfred F., Jr., and Rendall.
Rendel, George H., Pittsburgh, Pa., assignor to Carnegie-Illinois Steel Corporation. Relative speed indicating system. 2,506,106, May 2.

Rendel, George H., Pittsburgh, Pa., assignor to Carnegie Illinois Steel Corporation. Motor speed regulator. 2,517,353, Aug. 1.
Renfrew, Bessie S., Pasadena, Calif. Combination comb and container. 2,496,311, Feb. 7.
Renfrew, Edgar E., Jr.: *See*—
Randall, David I., and Renfrew.
Renfrew, Malcolm M., Arlington, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerization of tetrafluoroethylene with dibasic acid peroxide catalysts. 2,534,058, Dec. 12.
Renfro, Ralph T., Sr., Boise, Idaho, assignor to Scruggs and Vaughan Manufacturing Company, Inc., Phoenix, Ariz. Vacuum-operated minnow sack. 2,497,014, Feb. 7.
Rengo, William M., Kaleva, Mich. Leader reel. 2,494,106, Jan. 10.
Renick, Wendell E.: *See*—
Adams, Cecil E., and Renick.
Renick, Wendell E., Grove City, assignor to The Denison Engineering Company, Columbus, Ohio. Pressure fluid differential type motor and control valve means therefor. 2,502,800, Apr. 4.
Renken, Howard C., Columbus, Ohio, assignor, by mesne assignments, to Noranda Mines, Limited, Toronto, Ontario, Canada. Recovering sulfur from pyrite. 2,530,630, Nov. 21.
Renkenberger, Tirzah A., Penn Township, Butler County, assignor to Herman Pneumatic Machine Company, Pittsburgh, Pa. Actuating mechanism. 2,512,531, June 20.
Renne, William C., Jr., Kansas City, Mo. Gum tape applier. 2,493,502, Jan. 3.
Renne, William C., Kansas City, Mo. Clothespin. 2,493,503, Jan. 3.
Renne, William C., Kansas City, Mo. Safety razor. 2,518,181, Aug. 8.
Renne, William C., Kansas City, Mo. Water mixing valve. 2,518,182, Aug. 8.
Renne, William C., Kansas City, Mo. Rotary wiper floor scrubbing apparatus. 2,518,183, Aug. 8.
Renne, William C., Kansas City, Mo. Gummed tape applier. 2,518,184, Aug. 8.
Rennecamp, Clarence C., St. Louis, Mo., assignor, by mesne assignments, to Missouri Automatic Control Corporation. Switch mechanism with wire armature. 2,500,704, Mar. 14.
Rennels, Pat W., assignor of forty-nine per cent to C. W. Richardson, Portland, Oreg. Air conditioning. 2,514,720, July 11.
Renner, Hayden H., and P. Schneider, Akron, and W. S. Powell, Lowell, Ohio. Safety device. 2,518,934, Aug. 15.
Renner, Herbert O., Des Plaines, assignor, by mesne assignments, to J. R. Short Milling Company, Chicago, Ill. Preparing soybean meal. 2,524,991, Oct. 10.
Rennerfelt, Sven B., Goteborg, Sweden. Variable speed changing gear. 2,509,940, May 30.
Rennick, John L., Elmwood Park, Ill., assignor to Zenith Radio Corporation. Inductance tuning apparatus 2,505,791, May 2.
Rennick, John L., Elmwood Park, Ill., assignor to Zenith Radio Corporation. Magnetic volume control. 2,516,255, July 25.
Rennie, Edward J., Chester, assignor to Breeze Corporations, Inc., Newark, N. J. Spark plug cable. 2,515,897, July 18.
Renniks Company, assignee: *See*—
Kasten, Walter.
Renquist, Mervin J.: *See*—
Sorick, Carl H., and Renquist.
Rensell Corporation, assignee: *See*—
Liesner, Charles E.
Renshaw, Edward S., Upminster, and S. J. Sargood, Ilford, England, assignors to Ford Motor Company, Dearborn, Mich. Cupola type furnace. 2,493,642, Jan. 3.
Renstrom, Carl W., E. Hoffmann, and C. D. Gresham, assignors to Tip-Top Products Company, Omaha, Nebr. Hair curler with retractable comb. 2,526,577, Oct. 17.
Rents, Abbey, assignee: *See*—
Travis, Don C.
Rentsch, Walter F., San Francisco, Calif. Attachment for acetylene cutting torches. 2,525,241, Oct. 10.
Rentschler, Mahlon J.: *See*—
McWhorter, John F., and Rentschler.
Rentz, Cecil V., Niles, Ohio. Dust eliminator for ash cans. 2,529,965, Nov. 14.
Renz, Frank, Philadelphia, Pa. Coin trick apparatus. 2,498,298, Feb. 21.
Renz, Fred W., Indianapolis, Ind. Safety bucket hook for ladders. 2,519,980, Aug. 22.
Renz, Fred W., Indianapolis, Ind. Paint-mixing paddle. 2,524,475, Oct. 3.
Repass, James E., assignor to Draper Corporation, Hopedale, Mass. Whip roll mechanism for looms. 2,535,515, Dec. 26.
Repko, Donald J., Gilbertsville, Pa. Rear door lock for automobiles. 2,499,972, Mar. 7.
Reppert, Richard V., Rochester, assignor to International Business Machines Corporation, New York, N. Y. Jam-free power mechanism for typewriters. 2,531,891, Nov. 28.
Reproducers and Amplifiers Limited, assignee: *See*—
Willson, Harry C.
Republic Aviation Corporation, assignee: *See*—
Baumwart, Gabriel W.
Bohannon, William A.
Gerard, George.
Green, Lawrence.
Harris, Lewis B.
Harris, Lewis B., and Henry.
Kaiser, Robert A., and Kerr.
Martin, James S., and Kinkaide.
Pappas, Costas E., and Lu.
Shaw, Edward W.
Republic Flow Meters Company, assignee: *See*—
Drescher, Rowland B., and Wenzel.
Landon, Richard W.
Richardson, Donald E.
Rosenberger, Albert J.
Smoot, Charles H.
Republic Productions, Incorporated, assignee: *See*—
Swanson, Harold G.
Republic Steel Corporation, assignee: *See*—
Boyd, Wilton E.
Criswell, James L.
Doyle, Paul J., and Flickinger.
Eckman, Meril L.
Lally, Thomas F.
Lee, Oscar.
McQuaid, Harry W.
Moseley, Harry W.
Powers, William A.
Prust, Alvin F.
Schaefer, Frederick R., and Emery.
Schaefer, Walter S.
Schaefer, Walter S., and Bowes.
Wilson, Herman W.
Wilson, Herman W., and Heyworth.
Requa, Reginald C., Cold Spring Harbor, N. Y. Waddling toy object. 2,506,036, May 2.
Resch, Henry, Bayonne, N. J., assignor to Ralph C. Coxhead Corporation, New York, N. Y. Typewriter for printing with the aid of heat. 2,515,381, July 18.
Research Corporation, assignee: *See*—
Andrews, Donald H.
Barrow, Wilmer L.
Brinster, John F., and Larsen.
Cashman, Robert J.
Chamberlin, Ralph L.
Crowder, Alexander N.
Fizzell, James A., and Golseth.
Giauque, William F.
Hall, Albert C.
Hedberg, Carl W. J.
Herber, Pierre, and Richardson.
Jennings, Burgess H., Bigg, and Olson.
Kendall, Edward C.
Larsen, Jack, and Blizard.
Meston, Archibald F.
Milas, Nicholas A.
Schmitz, Frederick W.
Snell, Esmond E.
Stockbarger, Donald C., and Blanchard.
Trump, John G.
Trump, John G., and Cloud.
Van de Graaff, Robert J., and Buechner.
White, Harry J.
Wintermute, Harry A.
Research Holdings, Inc., assignee: *See*—
Hobbs, Frank.
Research Products Company, assignee: *See*—
Frohmader, Stanley H.
Research Products Corporation, assignee: *See*—
Kliefoth, Max H.
Resek, Marc, Cleveland Heights, assignor to Perfection Stove Company, Cleveland, Ohio. Controlling the supply of fuel to liquid fuel burners of heating systems for automotive engines or the like. 2,509,399, May 30.
Resek, Marc, Cleveland Heights, and H. Kiefer, assignors to Perfection Stove Company, Cleveland, Ohio. Liquid fuel burner of the retort class. 2,516,722, July 25.
Resek, Marc, Cleveland Heights, assignor to Perfection Stove Company, Cleveland, Ohio. Liquid fuel burning apparatus involving a multiple sump pot type burner. 2,524,139, Oct. 3.
Resek, Marc, Cleveland Heights, assignor to Perfection Stove Company, Cleveland, Ohio. Auxiliary vapor generating attachment for therapeutic vapor or gas producing machines. 2,535,516, Dec. 26.
Resimont, Philomène D., Liege, Belgium. Abdominal belt. 2,518,935, Aug. 15.
Resistoflex Corporation, assignee: *See*—
Porter, Charles A.
Resler, Alter S., New York, N. Y. Dental X-ray film package. 2,502,993, Apr. 4.
Resnick, Leo P., and E. C. Gordon, deceased, Los Angeles, Calif.; H. C. Gordon, administratrix. Hypodermic syringe construction. 2,523,330, Sept. 26.
Ress, Otto J.: *See*—
Hill, Napoleon E., Ress, and Nunlist.
Ress, Thomas I., Chicago, Ill. Cathode-ray tube selector system. 2,534,369, Dec. 19.
Ressa, Joseph, Berwick, Pa. Sash holder. 2,501,691, Mar. 28.
Ressinger, Paul M., Highland Park, Ill. Display stand. 2,503,413, Apr. 11.

Rest, Jerome: *See*—
Rest, Thelma and J.
Rest, Thelma, and J., Chicago, Ill. Musical toy. 2,512,777, June 27.
Restall, Robert E., Hamilton, Ontario, Canada. Wheel suspension for trailer boats. 2,494,144, Jan. 10.
Restemeier, Edward F., assignor to Air-Way Electric Appliance Corporation, Toledo, Ohio. Auxiliary valve for suction cleaners. 2,515,425, July 18.
Retallack, John B., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. System for automatically ticketing telephone calls. 2,520,962, Sept. 5.
Rethey, Albert R.: *See*—
Noll, Paul E., Crawford, Aller, and Rethey.
Rethwisch, Francis B., Louisville, Ky., and G. M. Babcock, Plainfield, N. J., assignors to Reynolds Metals Company, Richmond, Va. Bronze pigment and making the same. 2,522,538, Sept. 19.
Retter, Robert F.: *See*—
Lindley, Frank M., and Retter.
Rettinger, Frederick S., Battle Creek, Mich. Sink, lavatory, and commode cleaner. 2,535,092, Dec. 26.
Retz, Beatrice M., Ventura, Calif. Construction for spectacles. 2,524,140, Oct. 3.
Retz, William B., Plainville, assignor to The New Britain Machine Company, New Britain, Conn. Chip seal for collets. 2,527,079, Oct. 24.
Reuter, Gottfried: *See*—
Mork, George W., and Reuter.
Reuter, Louis F., and A. Syverson, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Acylation of hydroxylated esters. 2,500,918, Mar. 14.
Revane, Henry J., Norfolk, Va. Nursing unit with flow adjustment means. 2,495,548, Jan. 24.
Revco, Inc., assignee: *See*—
Kafer, Clare H.
Kafer, Clare H., and White.
White, Howard D., and Kafer.
Revco Products, assignee: *See*—
Abos, Ralph H., Stanfield, and Myers.
Myers, Robert B., and Craven.
Revere Camera Company, assignee: *See*—
Briskin, Jack, and Golick.
Revere Copper and Brass Incorporated, assignee: *See*—
French, John.
Glesmann, Louis G.
Goulding, Joseph M.
Jenks, Richard H., and Lynes.
Kennedy, James M., Knight, and Lee.
Poland, Frank F.
Revere Corporation of America, assignee: *See*—
McCoy, James L., and MacDonald.
Revertex Limited, assignee: *See*—
Kemp, Ian.
Revukas, Anthony J., Cranford, assignor to Tide Water Associated Oil Company, Bayonne, N. J. Addition products of aliphatic acid esters of orthophosphoric acid and dialiphatic-aminomethyl phenols. 2,516,913, Aug. 1.
Revukas, Anthony J., Cranford, assignor to Tide Water Associated Oil Company, Bayonne, N. J. Emulsification-inhibited polyacrylate-containing oil compositions. 2,516,914, Aug. 1.
Rex Research Corporation, assignee: *See*—
Hedenburg, Oscar F.
Rex, Walter A., Westfield, N. J., assignor to Standard Oil Development Company. Removal of heat from finely-divided solids. 2,506,317, May 2.
Rey, Secundino, Ramos Mejia, Argentina. Sound reproducing apparatus. 2,504,587, Apr. 18.
Reyes, Felix J., Jovellanos, Cuba. Corner joint. 2,499,683, Mar. 7.
Reynaud, Samuel C., Detroit, Mich. Closure operator and linkage therefor. 2,505,912, May 2.
Reynaud, Samuel C., Detroit, Mich. Awning type window structure with operating and locking mechanisms therefor. 2,516,075, July 18.
Reyniers, James A., Niles, Mich., assignor to Amino Acids, Inc., Wilmington, Del. Hydrolysis of casein. 2,493,777, Jan. 10.
Reyniers, James A., Niles Township, Berrien County, Mich. Biological apparatus. 2,516,419, July 25.
Reyniers, James A., Niles, Mich., assignor to Amino Acids, Inc., Wilmington, Del. Preparing casein. 2,518,493, Aug. 15.
Reynolds, Alger P.: *See*—
Toland, William C., Reynolds, and Hamilton.
Reynolds, Benjamin F., Kansas City, Mo. Fishing tackle. 2,519,851. Aug. 22.
Reynolds, Charles C., assignor to Reyson, Inc., Minneapolis, Minn. Case for fishing reels. 2,532,119, Nov. 28.
Reynolds, Delbert D., and W. O. Kenyon, assignors to Eastman Kodak Company, Rochester, N. Y. N-Acyl derivatives of polyvinylamine. 2,507,181, May 9.
Reynolds, Delbert D., and W. O. Kenyon, assignors to Eastman Kodak Company, Rochester, N. Y. Alpha-substituted acrylic acid esters and preparation. 2,514,672. July 11.
Reynolds, Delbert D., and W. O. Kenyon, assignors to Eastman Kodak Company, Rochester, N. Y. Polyvinyl sulfonates and their preparation. 2,531,468, Nov. 28.
Reynolds, Delbert D., and W. O. Kenyon, assignors to Eastman Kodak Company, Rochester, N. Y. Polyvinyl sulfonates and preparing the same. 2,531,469, Nov. 28.
Reynolds, Ellwood W.: *See*—
Merwin, Harry H., and Reynolds.
Reynolds, Frederick N., Augusta, Ky. Expansible mandrel. 2,526,772, Oct. 24.
Reynolds, Frederick W.: *See*—
Newhouse, Russell C., and Reynolds.
Reynolds, George A., Jr., San Jose, Calif., assignor to Food Machinery and Chemical Corporation. Transmission arrangement for closely spaced wheels. 2,509,526, May 30.
Reynolds, George K., Pointe Claire, Quebec, assignor, by mesne assignments, to Northern Electric Company, Limited, Montreal, Quebec, Canada. Expanding arbor type reel grab. 2,507,577, May 16.
Reynolds, Harold C., Athens, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Reversing mechanism for electric motors. 2,500,571, Mar. 14.
Reynolds, James A.: *See*—
Messer, William E., Neklutin, and Reynolds.
Reynolds, James H., Indianapolis, Ind., assignor to Radio Corporation of America. Metal detector. 2,513,745, July 4.
Reynolds, John W.: *See*—
Edwards, Edward G., and Reynolds.
Reynolds, Julian L., Richmond, Va. Coated electrical condenser. 2,512,874, June 27.
Reynolds, Julian L., Richmond, Va. Cellular radiant heating panel. 2,512,875, June 27.
Reynolds, Lewis J., Sr., Bethany, Okla. Vent shuttle grille. 2,525,371, Oct. 10.
Reynolds, Marvel F., Nevada City, Calif. Rim to collect fiber and prevent mixing with juice of juice extractors. 2,513,519, July 4.
Mead, Warren J.
Reynolds Metals Company, assignee: *See*—
Hammond, Gordon, and Jacke.
Johnson, Arthur F.
Karlson, Karl R.
MacKay, Robert.
Mason, James F., and Hesch.
Mondolfo, Lucio F.
Moore, George A.
Powell, George T., Jr.
Rethwisch, Francis B., and Babcock.
Reynolds, Richard S.
Stronstorff, Albert H.
Waring, Claude L.
Reynolds, Reginald J. W., Blackley, Manchester, England, and S. Fordham, Saltcoats, Scotland, assignors to Imperial Chemical Industries Limited. Manufacture of gelatine blasting explosives. 2,518,066, Aug. 8.
Reynolds & Reynolds Company, The, assignee: *See*—
Pfeiffer, Frank F.
Pfeiffer, Frank F., Lansing, and Smith.
Reynolds, Richard S., assignor to Reynolds Metals Company, Richard, Va. Laminating metal foil. 2,529,884, Nov. 14.
Reynolds, Warren S., Bridgeport, and J. R. Turner, Stratford, assignors to Remington Arms Company, Inc., Bridgeport, Conn. Work feeding device. 2,506,175, May 2.
Reynolds, Warren S., Stratford, assignor to Remington Arms Company, Inc., Bridgeport, Conn. Ammunition making machinery. 2,508,469, May 23.
Reynolds, William B., Bartlesville, Okla., and E. W. Cotten, deceased, late of Bartlesville, Okla., by R. K. Harris, administrator, Bartlesville, Okla., assignors to Phillips Petroleum Company. Homogeneous bulk polymerization of ethylenic unsaturates in the presence of diazo-thio-ethers. 2,501,693, Mar. 28.
Reynolds, William B., and E. W. Cotten, Cincinnati, Ohio, assignors to Phillips Petroleum Company. Aqueous emulsion polymerization of ethylenic unsaturates in the presence of diazo-thio-ethers. 2,501,692, Mar. 28.
Reynolds, William R., Dallas, Tex. Boat canopy and frame. 2,493,833, Jan. 10.
Reynoldson, Roland G., Madison, Wis. Machine for applying solder contacts. 2,523,236, Sept. 19.
Reynst, Maximilien F., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Phase shifting bridge. 2,525,425, Oct. 10.
Reyrolle, A., & Company Limited, assignee: *See*—
Amer, Donald F.
Hibbert, John W., Robertson, and Beveridge.
Kirkwood, Ian W. A., Gillbespy, and Wallsend.
Reyson, Inc., assignee: *See*—
Reynolds, Charles C.
Rhatigan, Joseph M.: *See*—
Keegan, Simon H., Wroldsen, and Rhatigan.
Rheem Manufacturing Company, assignee: *See*—
Anderson, Rea V.
Ostrander, Charles W.
Ott, Lawrence H., and Shewbridge.
Rheem, Richard S., and Patterson.
Rheem, Richard S., Orinda, and R. D. Patterson, Pasadena, assignors to Rheem Manufacturing Company, San Francisco, Calif. Galvanizing cylindrical tanks. 2,520,658, Aug. 29.
Rhein, Louis J.: *See*—
Summerbell, William, Rhein, and Hoopes.
Rhein, Edwin, Little Rock, Ark. Necktie. 2,499,260, Feb. 28.

Rhein, Louis J.: *See*—
Summerbell, William, Rhein, and Hoopes.
Rheineck, Alfred E., assignor to Hercules Powder Company, Wilmington, Del. Resinous reaction products of a Congo copal resin and an abietyl amine or an abietyl isocyanate. 2,522,584, Sept. 19.
Rheinfrank, George B., Jr., Perrysburg, Ohio. Gridded core material and method. 2,493,032, Jan. 3.
Rheostatic Company Limited, The, assignee: *See*—
Flight, Theodore N., Wilson, and Chinn.
Wilson, William H., and Chinn.
Rheude, Andrew A., San Francisco, Calif. Bottle stopper. 2,507,680, May 16.
Rhinehart, John R., Fort Wayne, Ind. Calf weaner. 2,535,158, Dec. 26.
Rhinehart, John R., Fort Wayne, Ind. Nipple attachment for feed pails. 2,535,159, Dec. 26.
Rhines, Chester E., Glen Rock, and C. E. Linscott, Ridgewood, N. J., assignors to United States Rubber Company, New York, N. Y. Preservation of latex. 2,534,370, Dec. 19.
Rhines, Thomas B.: *See*—
Martin, Erle, and Rhines.
Rhoads, Charles S., Yonkers, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Magneto-telephone arrangement for direct current. 2,518,374, Aug. 8.
Rhoads, Edwin E.: *See*—
Arnold, George, Schultz, and Rhoads.
Rhoads, Gerald A., Safford, Ariz. Pickup for automatic pin setters. 2,519,285, Aug. 15.
Rhoads, J. E., & Sons, assignee: *See*—
Rhoads, Philip G.
Rhoads, Philip G., Wilmington, Del., assignor to J. E. Rhoads & Sons, Philadelphia, Pa. Check strap for loom picker sticks. 2,520,060, Aug. 22.
Rhode, Martin E., Chicago, Ill. Agitator for laundry machines. 2,520,336, Aug. 29.
Rhodehamel, Harley W., Jr., assignor to Eli Lilly and Company, Indianapolis, Ind. Procaine penicillin and therapeutic compositions. 2,515,898, July 18.
Rhodehamel, Harley W., Jr., assignor to Eli Lilly and Company, Indianapolis, Ind. Procaine salts of biosynthetic penicillins. 2,528,174, Oct. 31.
Rhodehamel, Harley W., Jr., assignor to Eli Lilly and Company, Indianapolis, Ind. Procaine salts of biosynthetic penicillins. 2,528,175, Oct. 31.
Rhodehamel, Harley W., Jr., assignor to Eli Lilly and Company, Indianapolis, Ind. Procaine salts of biosynthetic penicillins. 2,528,176, Oct. 31.
Rhodehamel, Harley W., Jr., assignor to Eli Lilly and Company, Indianapolis, Ind. Procaine salts of biosynthetic penicillins. 2,528,177, Oct. 31.
Rhodes, Cecil C., and H. L. Seiden, Chicago, Ill. Stretcher. 2,517,443, Aug. 1.
Rhodes, Cecil, and I. N. McCart, Aberdovey, Wales; said McCart assignor to said Rhodes. Apparatus for converting bundles of continuous filaments into a sliver or roving of staple fiber. 2,531,787, Nov. 28.
Rhodes, Charles J., Wakefield, England. Slide for power presses. 2,523,393, Sept. 26.
Rhodes, Dennis H. J., assignor to A. C. Cossor Limited, London, England. Sealed housing for an electrical condenser and sealing the condenser in the housing. 2,535,517, Dec. 26.
Rhodes, Frederick S.: *See*—
Thomas, Arthur, Rhodes, and Brown.
Rhodes, H. C., assignee: *See*—
Lunsford, Joseph C.
Rhodes, Herbert C., Portland, Oreg., assignor to The Standard Stoker Company, Inc. Making bread. 2,534,734, Dec. 19.
Rhodes, Howard E., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Alkaline primary cell. 2,509,249, May 30.
Rhodes, Idus L., trustee, assignee: *See*—
Daugherty, Fount F.
Rhodes, John W., assignor to J. D. Adams Manufacturing Company, Indianapolis, Ind. Engine control mechanism. 2,533,180, Dec. 5.
Rhodes, Oliver F., Peru, Ind. Liquid level controlled filling spout. 2,504,450, Apr. 18.
Rhodes, Philip H., Butler, Pa., assignor, by mesne assignments, to Koppers Company, Inc. Production of a copolymer monohydric phenol-dihydric phenol-aldehyde resin in the presence of an alkaline catalyst. 2,524,079, Oct. 3.
Rhodes, Philip H., Kingston, N. Y., assignor, by mesne assignments, to Koppers Company, Inc. Production of room temperature setting resinous phenolic compositions. 2,524,080, Oct. 3.
Rhodes, Roy O., Martinsburg, Pa. Artificial bait. 2,494,407, Jan. 10.
Rhodes, Thomas J., Clifton, N. J., assignor to United States Rubber Company, New York, N. Y. Method and apparatus for tensioning textile strands. 2,504,047, Apr. 11.
Rhodes, William C., San Angelo, Tex. Automobile armrest protector. 2,501,740, Mar. 28.
Rhodes, William E., assignor to Delta Electric Company, Marion, Ind. Electric horn. 2,501,234, Mar. 21.
Rhodes, William H.: *See*—
White, Albert S., and Rhodes.
Rhoton, Albert L., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Pen sac and making same. 2,525,272, Oct. 10.
Rhyne, Jeff S., Detroit, Mich., assignor to the United States of America as represented by the Secretary of War. Gyrostabilizer. 2,532,333, Dec. 5.
Rhyne, Jeff S., Marianna, Fla., and R. E. Holmes, Milton, Mass. Gyrostabilizer. 2,532,334, Dec. 5.
Rhys, Cyril O., Jr.: *See*—
Baumann, George P., and Rhys.
Rial, Thomas A., Tulsa, Okla. Electric oil well tubing heater. 2,525,314, Oct. 10.
Riardo, Harry R.: *See*—
Holt, George A., and Watts.
Ribe, Fred L.: *See*—
Norris, William C., Steinhardt, and Ribe.
Ribeiro, Walter G., Camden, N. J. Making ice and apparatus therefor. 2,506,614, May 9.
Riblet, Henry J.: *See*—
McMillan, Edward B., Riblet.
Riblet, Henry J., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Directive antenna system. 2,530,079, Nov. 14.
Riblett, Earl W., Tenafly, N. J., assignor to Hydrocarbon Research, Inc., New York, N. Y. Producing hydrocarbons by the catalytic reduction of carbon monoxide by hydrogen. 2,525,827, Oct. 17.
Ricardo, Harry R., assignee: *See*—
Alcock, John F.
Ricardo, Harry R., London, England. Starting mechanism for internal-combustion engines. 2,531,788, Nov. 28.
Ricards, Charles L.: *See*—
Roesen, Oscar C., Ricards, and Tollison.
Ricards, Charles L., South Plainfield, and J. A. Isbell, assignors to Wood Newspaper Machinery Corporation, Plainfield, N. J. Apparatus for casting curved stereotyped plates with tension lockup pockets therein. 2,511,737, June 13.
Ricards, Charles L., South Plainfield, and J. A. Isbell, assignors to Wood Newspaper Machinery Corporation, Plainfield, N. J. Apparatus for casting curved stereotype plates with tension lockup pockets therein. 2,513,203, June 27.
Ricardo, Harry R.: *See*—
Pearson, Henry E.
Ricardo, Harry R., London, and A. T. Evans, Worthing, England; said Evans assignor to said Ricardo. Gas compressing apparatus. 2,522,638, Sept. 19.
Ricciardi, Attilio, New York, N. Y. Confection mold. 2,534,059, Dec. 12.
Ricciardi, Matthew C., assignor to The Canister Company, Inc., Phillipsburg, N. J. Container with window. 2,532,857, Dec. 5.
Rice, A. H., Company, assignee: *See*—
Boyer, William C.
Rice & Adams Corporation, assignee: *See*—
Smith, Albert W.
Rice, Adelbert F.: *See*—
Rice, Albert E. and A. F.
Rice, Adrian L., Miami, Fla. Dual steering mechanism. 2,508,686, May 23.
Rice, Adrian L., Miami, Fla. Dual control mechanism for motor vehicles. 2,512,876, June 27.
Rice, Alba H., Mansfield, Ohio. Device for lifting bricks and the like. 2,515,666, July 18.
Rice, Albert E., Cleveland, Ohio. Broaching tool. 2,510,835, June 6.
Rice, Albert E. and A. F., Cleveland, Ohio. Caster. 2,521,948, Sept. 12.
Rice Barton Corporation, assignee: *See*—
Stone, William E.
Rice, Charles H., Seattle, Wash. Hernia truss. 2,521,309, Sept. 5.
Rice, Clayton E., Chicago, Ill. Air and water heating furnace. 2,533,692, Dec. 12.
Rice, Claude T., Brooklyn, N. Y. Type bar action typewriting machines. 2,511,008, June 13.
Rice, Claude T., Brooklyn, N. Y. Type bar action for typewriting machines. 2,511,009, June 13.
Rice, Curtis D.: *See*—
Hughes, Harley R., and Rice.
Rice, Earl A., Mercersburg, Pa. Aquarium. 2,512,678, June 27.
Rice, Edgar U.: *See*—
Bertalan, Edward, and Rice.
Rice, Fern D., Portland, Oreg. Mineral vapor generating cabinet. 2,507,815, May 16.
Rice, Harry E., Jr., Urbana, Ohio. Wiper mechanism. 2,494,408, Jan. 10.
Rice, Harold W., Lynwood, Calif., assignor to Robertshaw-Fulton Controls Company. Control device for fuel burners. 2,504,048, Apr. 11.
Rice, John A., Berkeley, assignor to R. B. Rice, Santa Monica, and J. Bergum, Concord, Calif. Mixing and aerating machine. 2,507,349, May 9.
Rice, Lyman A.: *See*—
Rady, William J., and Rice.
Rice, Owen R., assignor to Freyn Engineering Company, Chicago, Ill. Checker assembly. 2,509,168, May 23.
Rice, Percy F., assignor of one half to W. H. Donahue, Santa Ana, Calif. Multiple exposure camera. 2,497,559, Feb. 14.

Rice, Peter, assignee: *See*—
Ledel, Carl.

Rice, Philip K., Kenmore, N. Y., assignor to The Linde Air Products Company. Process of and apparatus for separating gas mixtures. 2,517,134, Aug. 1.

Rice, Prentice N., Dayton, Ohio. Rotary stencil film cutter. 2,525,828, Oct. 17.

Rice, Richard B., assignee: *See*—
Rice, John A.

Rice, Richard E., Winthrop, assignor to Isthmian Metals, Inc., Boston, Mass. Pressing of articles from metal powder. 2,495,823, Jan. 31.

Rice, Robb V.: *See*—
Schudel, John G., and Rice.

Rice, Seymour S., assignor to The Ohio Brass Company, Mansfield, Ohio. Current collector insert. 2,500,868, Mar. 14.

Rice, Walter A., assignor to Mohawk Carpet Mills, Inc., Amsterdam, N. Y. Pile fabric. 2,512,727, June 27.

Rice, Walter A., assignor to Mohawk Carpet Mills, Inc., Amsterdam, N. Y. Knitted pile fabric. 2,531,718, Nov. 28.

Rice Growers Association of California, assignee: *See*—
Jones, Watkins W., and Brewer.
Jones, Watkins W., Brewer, and Court.

Rich, Barrett G., Waterloo, assignor to Deere Manufacturing Co., Dubuque, Iowa. Vehicle drawbar. 2,528,784, Nov. 7.

Rich, Charles W., Chelmsford, England, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Electron discharge tube amplifying, repeating, and modulating circuit arrangements. 2,500,645, Mar. 14.

Rich, David, Ashland, Wis. Track-aligning device. 2,502,750, Apr. 4.

Rich, Gerald C., Manhasset, N. Y., assignor to Sylvania Electric Products Inc. Thermionic discharge device. 2,495,908, Jan. 31.

Rich, Gordon B., Sioux Falls, S. Dak. Buckle. 2,511,994, June 20.

Rich, Hyman R., Milwaukee, Wis., assignor, by mesne assignments, to The Diversey Corporation, Chicago, Ill. Portable vaporizer. 2,515,266, July 18.

Rich, John D., Simsbury, assignor to Bickford Research Laboratories, Inc., Hartford, Conn. Fuse igniting and connecting means. 2,535,518, Dec. 26.

Rich, John P.: *See*—
Burling, Elmer R., and Rich.

Rich, Mark C., Council Bluffs, Iowa. Producing alfalfa products. 2,520,061, Aug. 22.

Rich, Stanley R., Cambridge, assignor to T. Deutschmann, Canton, Mass. Magnetostrictive phonograph pickup unit. 2,499,110, Feb. 28.

Rich, Stanley R., Newton Center, Mass., assignor to Raytheon Manufacturing Company. Navigation system. 2,515,472, July 18.

Rich, Stanley R., Newton Center, Mass., assignor to Raytheon Manufacturing Company. Time interval measuring device. 2,530,631, Nov. 21.

Rich, Theodore A.: *See*—
Corson, Almon J., and Rich.
Michel, Philip C., and Rich.

Rich, Theodore A., Schenectady, N. Y., assignor to General Electric Company. Recording voltmeter. 2,499,198, Feb. 28.

Rich, Theodore A., Schenectady, N. Y., assignor to General Electric Company. Vane controlled oscillator. 2,505,577, Apr. 25.

Rich, Theodore A., Schenectady, N. Y., assignor to General Electric Company. Measuring circuits. 2,506,384, May 2.

Rich, Willard M., Buffalo, N. Y. Barrel lifter. 2,519,067, Aug. 15.

Richa, John H., and F. E. Hanson, Kansas City, Mo. Garment finishing apparatus. 2,513,427, July 4.

Richard, Grant M., Glendale, Calif. Photoprint washing device. 2,522,300, Sept. 12.

Richard, Grant M., assignor to Toledo Scale Company, Toledo, Ohio. Device for cleaning meat tenderizing knives. 2,503,687, Apr. 11.

Richard, William R., Ann Arbor, Mich., assignor to Monsanto Chemical Company, St. Louis, Mo. Plasticized polyvinyl formal resin. 2,524,356, Oct. 3.

Richard, Charles D., West New Brighton, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Universal coil-winding machine. 2,533,506, Dec. 12.

Richard, William E., Evansville, Ind., assignor to Seeger Refrigerator Company, St. Paul, Minn. Two-temperature household refrigerator. 2,518,254, Aug. 8.

Richard, William R.: *See*—
Lavin, Edward, Marinaro, and Richard.

Richards, Albert G., Ann Arbor, Mich. X-ray gauge. 2,528,451, Oct. 31.

Richards, Albert Z., Jr., Salt Lake City, Utah. Rotary fluid motor or pump. 2,497,373, Feb. 14.

Richards, Archer W., Chagrin Falls, Ohio, assignor to Lockley Machine Company, New Castle, Pa. Garbage comminuting apparatus. 2,495,983, Jan. 31.

Richards, Alec D.: *See*—
Lloyd, Peter, and Richards.

Richards, Atherton, Luakoha, Honolulu, Territory of Hawaii, assignor to Flame Cultivation, Incorporated, New York, N. Y. Flame cultivator. 2,494,720, Jan. 17.

Richards, Charles, Quincy, Mass. Display stand. 2,528,388, Oct. 31.

Richards Chemical Works, The, assignee: *See*—
Steinberger, Samuel.

Richards, Claude L., London, England, assignor to The Hartford National Bank & Trust Company, Hartford, Conn. Moving coil transducer and enclosure. 2,498,825, Feb. 28.

Richards, Claude L., and E. J. Glaisher, London, England, assignors to The Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Frequency determining circuits. 2,496,177, Jan. 31.

Richards, Edward A., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Metal rectifier of the selenium type. 2,493,643, Jan. 3.

Richards, Edward A., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Charging secondary electric batteries. 2,510,141, June 6.

Richards, Edward A., and W. E. Pease, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Photoelectric cell. 2,516,916, Aug. 1.

Richards, Edward A., and L. J. Ellison, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Metal contact rectifier and photoelectric cell. 2,517,602, Aug. 8.

Richards, Edward E., assignor to Terre Haute Cooperage, Inc., Terre Haute, Ind. Barrel charring, process and apparatus. 2,503,688, Apr. 11.

Richards, Edwin R., Provo, Utah, assignor to Geneva Steel Company. Furnace door. 2,512,439, June 20.

Richards, Elmer A.: *See*—
McDowall, Charles J., Storer, and Richards.

Richards, Eugene L., Stepney Depot, Conn. Arm reflector for pedestrian protection. 2,502,535, Apr. 4.

Richards, Frank A., East Elmhurst, and C. R. Arliss, Astoria, assignors to Ideal Novelty & Toy Co., Hollis, N. Y. Toy telephone. 2,533,327, Dec. 12.

Richards, George C., assignor to R. J. Beard, Washington, D. C. Apparatus for securing together overlapping plies of material. 2,511,944, June 20.

Richards, George W. F.: *See*—
Duff, Walter J.

Richards, John B., Indianapolis, Ind. Device for peeling eggs by fluid pressure. 2,500,705, Mar. 14.

Richards, John C., Urbana, Ill., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Dyeing of acrylonitrile polymers using acetate dyes and m-cresol as an assistant. 2,512,969, June 27.

Richards, John C., Urbana, Ill., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerization of acrylonitrile to white polymers in dimethyl formamide. 2,528,710, Nov. 7.

Richards, John M., New York, N. Y. Stereoscopic adapter. 2,495,288, Jan. 24.

Richards, John S.: *See*—
Hartman, Roland O., and Richards.

Richards, Joseph: *See*—
Graham, David L., and Richards.

Richards, Joseph E., and Eugene A. Quinn, Safford, Ariz. Tree holder. 2,516,802, July 25.

Richards, Kenneth F., Willoughby, assignor to Thompson Products, Inc., Cleveland, Ohio. Automatic feeder. 2,518,375, Aug. 8.

Richards, Lawrence M., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of polymethacrylic acid and of polymeric products containing polymethacrylic acid. 2,504,049, Apr. 11.

Richards, Lewis I., Augusta, Kans. Animal trap. 2,517,928, Aug. 8.

Richards, Lillian, Hollywood, Calif. Head and limb rest. 2,502,752, Apr. 4.

Richards, Lorenzo A., Riverside, and F. C. Lindvall, Altadena, Calif., assignors to the United States of America as represented by the Secretary of the Navy. Rocket launcher. 2,532,643, Dec. 5.

Richards, Raymond B., J. R. Myles, and D. Whittaker, Northwich, England, assignors to Imperial Chemical Industries Limited. Ethylene interpolymers. 2,526,773, Oct. 24.

Richards, William H., Dayton, Ohio. Photographic printer having air flow film tautening mechanism. 2,510,142, June 6.

Richards, William H., Dayton, Ohio. Photographic print washer. 2,523,331, Sept. 26.

Richards, Vera M., executrix: *See*—
Hartman, Roland O., and Richards.

Richards, Victor L., assignor to Canadian Hanson and Van Winkle Company, Limited, Toronto, Ontario, Canada. Ventilated buffing wheel. 2,526,420, Oct. 17.

Richardson, Arthur B. F. G.: *See*—
Lorch, Hermann R., Hancock, and Richardson.

Richardson, Allan S., Butte, Mont. Cooling air. 2,525,045, Oct. 10.

Richardson, Allan S., Jr., Southport, Conn., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Coated fabrics and making same. 2,519,068, Aug. 15.

Richardson, Avery G., Boonton, N. J., and F. O. Chesus, Bayport, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Direction finding system. 2,528,549, Nov. 7.

Richardson, Arthur A., Edgewood, assignor to H. M. and G. H. Burt, doing business as The Lloyd Products Company, Providence, R. I. Lamp holder for pin base tubular lamps. 2,502,994, Apr. 4.
Richardson, Arthur D., assignor to Consolidated Engineering Corporation, Pasadena, Calif. Tension control for galvanometer suspension. 2,503,298, Apr. 11.
Richardson, Calvin W., assignee: *See*— Rennels, Pat W.
Richardson, Carl B., Norfolk, Va. Floor furnace with removable heater unit. 2,508,889, May 23.
Richardson, Chester N., Youngstown, N. Y., assignor to Mathieson Chemical Corporation. Ammonia synthesis. 2,500,008, Mar. 7.
Richardson, Clarence M., Cleveland, Ohio. Baby educator. 2,499,164, Feb. 28.
Richardson Company, The, assignee: *See*— Dillehay, Edward R. Dillehay, Edward R., and Schuetz. Wentland, Robert J.
Richardson, David A.: *See*— May, James R., Haines, and Richardson.
Richardson, David A., J. N. Robinson, T. B. Martin, and M. J. Duer, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Accumulator control unit. 2,505,206, Apr. 25.
Richardson, Donald E., assignor to Republic Flow Meters Company, Chicago, Ill. Apparatus for measuring the composition of a gas. 2,511,177, June 13.
Richardson, Earl L., Hyde Park, Mass., assignor, by mesne assignments, to Westinghouse Electric Corporation. Electrostatic precipitator. 2,500,572, Mar. 14.
Richardson, Earl L., Hyde Park, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrostatic precipitator. 2,518,999, Aug. 15.
Richardson, Earl L., Hyde Park, Mass., assignor, by mesne assignments, to Westinghouse Electric Corporation. Electrostatic precipitator. 2,521,605, Sept. 5.
Richardson, Earl L., Hyde Park, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrostatic precipitator. 2,535,696, Dec. 26.
Richardson, Elmer C., Beverly Hills, Calif. Arc lamp control. 2,518,720, Aug. 15.
Richardson, Eugene S., Kansas City, Mo. Gummed tape dispenser. 2,519,701, Aug. 22.
Richardson, Frank E., Concord, Mich. Wheel block for vehicles. 2,521,539, Sept. 5.
Richardson, George K., Wenham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Support bearing and gear assembly. 2,531,587, Nov. 28.
Richardson, Harry E.: *See*— Conlon, Thomas A., Davidson, Taylor, Richardson, Riniker, and Beitzel.
Richardson, Henry I., Elmwood Park, assignor to Teletype Corporation, Chicago, Ill. Full stroke mechanism. 2,496,494, Feb. 7.
Richardson, James C., Waterbury, assignor to The Brockway Company, Naugatuck, Conn. Pipe connector. 2,522,194, Sept. 12.
Richardson, James C., Waterbury, assignor to The Brockway Company, Naugatuck, Conn. Pipe connection. 2,522,195, Sept. 12.
Richardson, James C., Utica, N. Y., assignor to The Brockway Company, Naugatuck, Conn. Pipe connection. 2,497,273, Feb. 14.
Richardson, James C., Utica, N. Y., assignor to The Brockway Company, Naugatuck, Conn. Pipe connector. 2,497,274, Feb. 14.
Richardson, Julius R., Wichita Falls, Tex., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Tool joint. 2,535,320, Dec. 26.
Richardson, Leslie J., Germiston, Transvaal, Union of South Africa. Vertical tuyère-type furnace. 2,524,476, Oct. 3.
Richardson, Lloyd D., Dayton, Ohio, assignor to H-P-M Development Corporation, Wilmington, Del. Apparatus for molding. 2,509,783, May 30.
Richardson, Max C., Portland, Oreg. Prefabricated panel and warming means therefor. 2,521,540, Sept. 5.
Richardson, Norma S., Petersburg, Va. Combined bathtub and shower closure. 2,508,969, May 23.
Richardson, Norma S., Petersburg, Va. Combined shower and bathtub. 2,508,970, May 23.
Richardson, Philip B., Montclair, assignor to Richardson Scale Company, Clifton, N. J. Weighing machine. 2,497,015, Feb. 7.
Richardson, Richard P., and R. W. Lewis, assignors to Burndept Limited, Erith, England. Flat primary dry cell. 2,505,835, May 2.
Richardson, Richard P., Erith, England, and R. W. Lewis, Hawkhill, Dundee, Scotland, assignors to Burndept Limited, London, England. Primary electric cell. 2,528,178, Oct. 31.
Richardson, Roger W., and C. N. Kimberlin, Jr., Baton Rouge, La., assignors to Standard Oil Development Company. Acid-treating a contaminated water-immiscible bead-forming oil. 2,529,310, Nov. 7.
Richardson Scale Company, assignee: *See*— Richardson, Philip B.
Richardson, Walter B., Bridgton, Maine. Loader. 2,506,107, May 2.
Richardson, Walter B., Bridgton, Maine. Hydraulic wing control. 2,524,329, Oct. 3.
Richardson, Walter B., Bridgton, Maine. Hydraulic ram and sealing rings. 2,532,422, Dec. 5.
Richardson, Willie, assignor of one-half to A. and S. Weisstein, New York, N. Y. Torch-guiding tool. 2,523,237, Sept. 19.
Richardson, Willis C.: *See*— Herber, Pierre, and Richardson.
Richardt, John W., Jr., Terre Haute, Ind., and O. A. Shann, Short Hills, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Aid for the blind. 2,496,639, Feb. 7.
Richartz, Paul, assignee: *See*— Muller, Wilhelm.
Richartz, Stephan, assignee: *See*— Muller, Wilhelm.
Richer, Ella, administratrix: *See*— Richer, Joseph R.
Richer, Joseph R., deceased, Cleveland, Ohio; E. Richer, administratrix. Diametrically cooperating vane pump. 2,495,771, Jan. 31.
Richert, Abraham J., Fort Wayne, and R. Steele, Decatur, Ind., assignors to General Electric Company. Overload supporting cap for electric machines. 2,523,059, Sept. 19.
Riches, Albert J.: *See*— Young, James B. and Riches.
Richeson, Sanford E., Brooklyn, N. Y. Radiant gas burner. 2,504,451, Apr. 18.
Richeson, Sanford E., Brooklyn, N. Y. Coffee grinding machine. 2,519,198, Aug. 15.
Richeson, Sanford E., Brooklyn, and J. A. Allegro, Maspeth, N. Y., assignors of one-third to L. C. Huber, Ridgewood, N. J. Pressure cooker. 2,509,075, May 23.
Richey, Forrest A.: *See*— Glass, Dudley B., and Richey. Hanson, Wesley T., Jr., and Richey.
Richey, Joseph L., U. S. Navy. Apparatus for improving the reception of telegraph signals. 2,513,362, July 4.
Richey, Kenneth A., and C. Farquhar, Long Beach, Calif.; said Richey assignor to said Farquhar. Tubular type oil well fishing tool. 2,520,783, Aug. 29.
Richfield Oil Corporation, assignee: *See*— Arnold, Marion L.
Richlin, Isadore: *See*— Turner, Willard, Elliott, and Richlin.
Richman, Samuel, East Orange, N. J. Necktie. 2,501,741, Mar. 28.
Richmond-Chase Company, assignee: *See*— Pinard, Vivian E.
Richmond, Fred H., St. Louis, Mo. Haircutting cloth or apron. 2,526,505, Oct. 17.
Richmond, Henry H., Guelph, Ontario, Canada, assignor to United States Rubber Company, New York, N. Y. Manufacture of sulfaguanidine. 2,508,929, May 23.
Richmond, Henry H., Guelph, Ontario, Canada, assignor to United States Rubber Company, New York, N. Y. Preparing triazenes. 2,521,095, Sept. 5.
Richmond, Henry H., Guelph, Ontario, Canada, assignor to United States Rubber Company, New York, N. Y. Recovery of sulfamethazine and sulfaguanidine. 2,521,096, Sept. 5.
Richmond, Henry H., Guelph, Ontario, Canada, assignor to United States Rubber Company, New York, N. Y. Purification of sulfamethazine. 2,521,097, Sept. 5.
Richmond, Henry H., Guelph, Ontario, Canada, assignor to United States Rubber Company, New York, N. Y. Preparation of cinnamaldehyde. 2,529,186, Nov. 7.
Richmond, Henry H., Pittsburgh, Pa., assignor to United States Rubber Company, New York, N. Y. Removal of water from p-acetylsulfanilylchloride with ketones. 2,508,930, May 23.
Richmond Manufacturing Company, assignee: *See*— Moyer, Howard H. Thompson, Peyton M.
Richmond, Nelson R., Thompsonville, assignor to United Aircraft Corporation, East Hartford, Conn. Automatic resetting device for governors. 2,494,630, Jan. 17.
Richmond Piece Dye Works, Inc., assignee: *See*— Haeberlin, George.
Richmond, Raymond S., Fillmore, Ill. Finger pressure actuated message interpreting amusement device. 2,511,377, June 13.
Richmond, Robert L., Bronxville, assignor to Potdevin Machine Company, Brooklyn, N. Y. Margin or edge gluing machine. 2,514,899, July 11.
Richmond Screw Anchor Co. Inc., assignee: *See*— Fearon, Frank G., and Pilling.
Richmond, Stanley M., Eugene, Oreg. Periscope. 2,507,935, May 16.
Richmont, Inc., assignee: *See*— Livermont, Frank W.
Richolt, Robert R.: *See*— Dunn, William J., and Richolt.
Richony, Paula, Beverly Hills, Calif. Adjustable maternity skirt. 2,521,409, Sept. 5.
Richter, Carl, Neshaminy, Pa. Full-fashioned hosiery. 2,514,456, July 11.
Richter, Carl, assignor to Cilag Limited, Schaffhausen, Switzerland. Naphthyridine derivatives. 2,517,929, Aug. 8.

Richter, Frederick P., and E. W. Fuller, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Mineral lubricating oil containing alkali and alkaline earth metal salts and alkylated dibenzothiophene sulfonic acid. 2,527,334, Oct. 24.

Richter, Frederick P., and E. W. Fuller, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Alkyl dibenzothiophene sulfonic acid. 2,527,335, Oct. 24.

Richter, Frederick P., and E. W. Fuller, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Mineral oil compositions containing alkyl aminobenzothiophenes. 2,528,785, Nov. 7.

Richter, George A., Jr., Springfield, Pa., assignor to American Viscose Corporation, Wilmington, Del. Producing mixed cellulose esters. 2,534,371, Dec. 19.

Richter, Harry, Vineland, N. J., assignor, by mesne assignments to Owens-Illinois Glass Company, Toledo, Ohio. Apparatus for footing glassware. 2,508,687, May 23.

Richter, Henry, assignor to Paramount Textile Machinery Co., Kankakee, Ill. Hosiery finishing machine. 2,519,981, Aug. 22.

Richter, Henry, assignor to Paramount Textile Machinery Co., Kankakee, Ill. Setting apparatus for textile fabrics. 2,520,062, Aug. 22.

Richter, Johan C. F. C., assignor to Aktiebolaget Kamyr, Karlstad, Sweden. Suction filter. 2,510,254, June 6.

Richter, John E., San Jose, assignor to Wooldridge Manufacturing Company, Sunnyvale, Calif. Hydraulic actuated steering for motor-powered vehicles. 2,532,785, Dec. 5.

Richter, John E., San Jose, assignor to Wooldridge Manufacturing Company, Sunnyvale, Calif. Hydraulic actuated steering for motor-powered vehicles. 2,532,786, Dec. 5.

Richter, Robert A., U. S. Navy. Oil cooler. 2,513,363, July 4.

Richter, Theodore L., and R. F. Lescovich, Dormont, Pa. Device for display listings on telephones. 2,516,592, July 25.

Richter, Thomas H., Los Angeles, Calif. Dispensing container. 2,530,730, Nov. 21.

Richter, Walther, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Frequency measuring device. 2,525,046, Oct. 10.

Richterkessing, Frank H., assignor to Cheatham Electric Switching Device Co., Incorporated, Louisville, Ky. Trolley frog approach end. 2,494,311, Jan. 10.

Richterkessing, Frank H., assignor to Cheatham Electric Switching Device Co., Incorporated, Louisville, Ky. Trolley frog switch. 2,494,409, Jan. 10.

Richterkessing, Frank H., assignor to W. M. Cissell Manufacturing Co., Inc., Louisville, Ky. Spray gun. 2,513,676, July 4.

Rickabaugh, Philip M., Omaha, Nebr. Illuminated football down signal. 2,517,239, Aug. 1.

Rickard, Elmer W. and H. E., Toronto, Ontario, Canada. Outboard motor mount and steering mechanism. 2,528,608, Nov. 7.

Rickard, Gail B., Molalla, Oreg. Telltale electric tube and combination thereof. 2,531,345, Nov. 21.

Rickard, Horace E.: *See*—
Rickard, Elmer W. and H. E.

Rickard, James E., Hollywood, Calif. Golf tee. 2,531,470, Nov. 28.

Rickard, Ralph E., and H. C. Tarry, Berkeley, Calif. Abacus. 2,527,080, Oct. 24.

Rickert, Frederick D.: *See*—
Bausher, Jeremiah L., and Rickert.

Rickmeyer, Ernst W., Berkeley, assignor to Jefferson Electric Company, Bellwood, Ill. Closure and contact for mercury switches. 2,501,787, Mar. 28.

Rickmeyer, Ernst W., Berkeley, assignor to Jefferson Electric Company, Bellwood, Ill. Centrifugal switch. 2,509,527, May 30.

Rickmeyer, Ernst W., Elmhurst, assignor to Jefferson Electric Company, Bellwood, Ill. Circuit breaker or overload control. 2,505,689, Apr. 25.

Ricks, Bernard E., and D. P. Marquis, Detroit, Mich., assignors to Thompson Products, Inc., Cleveland, Ohio. Socket assembly. 2,511,788, June 13.

Ricordel, Auguste L., assignor to Centre d'Etudes Techniques et d'Inventions, Paris, France. Backlash take-up device. 2,525,945, Oct. 17.

Riddell, Donald W.: *See*—
Strickland, Harold A., Jr., Purvin, and Riddell.

Riddell, Grace E.: *See*—
Brenner, Abner, and Riddell.

Riddell, Leonard H., Leeds, England. Gulley emptying apparatus incorporating a vacuum chamber. 2,525,372, Oct. 10.

Riddell, Leslie A., West Kildonan, Manitoba, Canada. Window lifter and holder. 2,500,044, Mar. 7.

Riddell, Thomas H., North Sydney, New South Wales, Australia. Clothes hanger. 2,535,603, Dec. 26.

Riddle, Frank H., Detroit, Mich., assignor to Champion Spark Plug Company, Toledo, Ohio. Alumina insulating material and making the same. 2,524,601, Oct. 3.

Ridenour, William P.: *See*—
Bowman, John R., and Ridenour.

Rider, Harry E., San Diego, Calif. Ignition circuit breaker. 2,514,673, July 11.

Rider, Harry N., assignor, by mesne assignments, to "Automatic" Sprinkler Company of America, Youngstown, Ohio. Pressure releasing device. 2,493,644, Jan. 3.

Rider, Harry N., assignor, by mesne assignments, to "Automatic" Sprinkler Corporation of America, Youngstown, Ohio. Automatic sprinkler valve. 2,506,468, May 2.

Rider, Harry N., assignor, by mesne assignments, to "Automatic" Sprinkler Corporation of America, Youngstown, Ohio. Sprinkler system for piers. 2,515,473, July 18.

Rider, Morris, Detroit, Mich. Light reflecting bicycle pedal. 2,498,134, Feb. 21.

Rider, Stuart H.: *See*—
Scott, Milton J., and Rider.

Rider, Theodore H., Hinsdale, F. L. Humoller and S. D. Gershon, Chicago, Ill., assignors to Lever Brothers Company, Cambridge, Mass. Denture cleansers. 2,498,343, Feb. 21.

Rider, Theodore H., Hinsdale, F. L. Humoller and S. D. Gershon, Chicago, Ill., assignors to Lever Brothers Company, Cambridge, Mass. Denture cleansers. 2,498,344, Feb. 21.

Rider, Warren M.: *See*—
Burge, James S., McKee, and Rider.

Ridge, Bertram P.: *See*—
Swallow, John C., and Baird, and Ridge.

Ridgway Co., Inc., assignee: *See*—
Spoerri, Paul E., and Habib.

Ridgway, John A., Jr.: *See*—
Brandt, Preston L., Lee, and Ridgway.

Ridgway, John A., Jr., assignor to Pan American Refining Corporation, Texas City, Tex. Treating hydrocarbons with hydrofluoric acid. 2,495,133, Jan. 17.

Ridgway, John A., Jr., Texas City, Tex., and P. Hill, Hammond, Ind., assignors to Pan American Refining Corporation, Texas City, Tex. Catalytic hydrocarbon conversion. 2,533,284, Dec. 12.

Ridill, Joe R., Garfield Heights, Ohio. Device for training golfers. 2,498,006, Feb. 21.

Ridings, Garvice H.: *See*—
Wise, Raleigh J., Parrott, and Ridings.

Ridings, Garvis H., Summit, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Combined facsimile and code signaling system. 2,529,264, Nov. 7.

Ridland, Alexander C., Los Angeles County, Calif. Harpoon gun. 2,522,060, Sept. 12.

Ridler, Desmond S., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Counting electrical impulses. 2,512,679, June 27.

Ridner, George S., Sr., Newark, N. J. Safety razor. 2,517,028, Aug. 1.

Ridner, George S., Sr., Newark, N. J. Telescopic toothbrush. 2,517,029, Aug. 1.

Riebe, Theodore C.: *See*—
Woodruff, Albert E., and Riebe.

Rieber, Frank, assignor to Interval Instruments, Inc., New York, N. Y. Frequency controlled weighing device. 2,513,678, July 4.

Rieber, William K., Los Angeles, Calif. Auxiliary traveling turntable drive. 2,495,480, Jan. 24.

Riebman, Leon, assignor to Philco Corporation, Philadelphia, Pa. Superregenerator. 2,513,428, July 4.

Riebman, Leon, assignor to Philco Corporation, Philadelphia, Pa. Superregenerator. 2,513,968, July 4.

Riebstein, Lee M., assignee: *See*—
Economous, William.

Rieck, Philip, assignee: *See*—
Schaffer, Arthur.

Riedel, Adelia D. M., Los Angeles, Calif. Rain leggings. 2,513,204, June 27.

Riedel, Kurt A., Milwaukee, assignor to Kearney & Trecker Corporation, West Allis, Wis. Backlash compensator. 2,498,897, Feb. 28.

Riedele, Andrew P., Los Angeles, Calif. Ventilated toilet. 2,519,286, Aug. 15.

Riederer, Jacob, Stowe, Vt. Constant leverage engine. 2,533,046, Dec. 5.

Riedler & Mechur, Inc., assignee: *See*—
Riedler, Walter, and Mechur.

Riedler, Walter, and B. Mechur, assignors to Riedler & Mechur, Inc., New York, N. Y. Shoulder pad. 2,523,720, Sept. 26.

Rieger, John A., Waterford, Conn. Safety razor and blade for use therewith. 2,502,062, Mar. 28.

Rieger, Joseph V., New Philadelphia, Ohio. Hinge joint. 2,501,581, Mar. 21.

Rieger Manufacturing Company, The, assignee: *See*—
Rieger, Nelson M.

Rieger, Nelson M., Montgomery County, assignor to The Rieger Manufacturing Company, Miamiburg, Ohio. Rotatable spray head. 2,493,595, Jan. 3.

Rieger, William H., assignor to Reilly Tar & Chemical Corporation, Indianapolis, Ind. Alkylating pyridine ring compounds. 2,502,174, Mar. 28.

Riehl, Frederick W., Denver, Colo. Radiant heat device and method. 2,523,332, Sept. 26.

Riehl, Harmon B.: *See*—
Senior, John H., and Riehl.

Riehl, William L., Marcy, N. Y., assignor to Union Fork & Hoe Company, Columbus, Ohio. Gas pilot burner with annular flame port. 2,495,481, Jan. 24.

Rieke, Sidney C., Mission, Tex. Producing and using fruit and vegetable coating wax. 2,502,592, Apr. 4.

Rieke, Sidney C., San Juan, Tex. Coating fruits and vegetables. 2,503,920, Apr. 11.
Riemann, Howard C., assignor to The Fulton Company, West Allis, Wis. Vehicle accessory mounting. 2,526,-045, Oct. 17.
Riemann, Howard C., West Allis, and H. G. Bolmes, Milwaukee, assignors to The Fulton Company, West Allis, Wis. Vehicle windshield visor. 2,506,108, May 2.
Riemann, Howard C., West Allis, and H. G. Bolmes, Milwaukee, assignors to The Fulton Company, West Allis, Wis. Vehicle bumper tow clamp. 2,506,109, May 2.
Riemenschneider, Edmund W.: *See*—
Anderson, Wilbur C., and Riemenschneider.
Riemenschneider, Lawrence E., Chelsea, Mich. Liquid heater. 2,514,559, July 11.
Riemenschneider, Ralph H., Pleasantville, assignor to The Lummus Company, New York, N. Y. Catalyst feeder. 2,524,572, Oct. 3.
Riemer, Walter F., assignor to The E. Ingraham Company, Bristol, Conn. Handset unit for timepieces. 2,532,943, Dec. 5.
Rienecker, Fred: *See*—
Kullmer, Frank, and Rienecker.
Rieppel, Perry J., Worthington, Ohio, assignor, by mesne assignments, to Air Reduction Company, Incorporated, New York, N. Y. Shielded arc welding. 2,497,629, Feb. 14.
Ries, Edward J., Brighton, and C. G. Maxson, assignors to Ritter Company, Inc., Rochester, N. Y. Lighting unit. 2,494,058, Jan. 10.
Ries, Edward J., Brighton, and N. E. Lauterbach, Newark, assignors to Ritter Company, Inc., Rochester, N. Y. Equipment stand. 2,500,095, Mar. 7.
Ries, Park J., Los Angeles, Calif. Tripod. 2,518,817, Aug. 15.
Ries, Park J., Burbank, Calif. Automatically adjustable stop device for tripod legs. 2,526,046, Oct. 17.
Rieschick, Richard R., New York, N. Y. Tuning accordions. 2,535,813, Dec. 26.
Riese, Karl F.: *See*—
Williams, James T., and Riese.
Riesen, Alfred C.: *See*—
Loudenback, Clyde I., and Riesen.
Riesz, Kolman: *See*—
Chapman, James F., and Riesz.
Riesz, Robert R., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Visual representation of complex waves. 2,500,646, Mar. 14.
Riesz, Robert R., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Frequency control for synthesizing systems. 2,522,539, Sept. 19.
Rieter, Gustave T., Cedarburg, Wis. Adjustable ironing board. 2,535,755, Dec. 26.
Rieth, Harold, assignor to Kingston Products Corporation, Kokomo, Ind. Table type radio cabinet. 2,498,898, Feb. 28.
Rieth, Harold, assignor to Kingston Products Corporation, Kokomo, Ind. Compartmented radio cabinet and closures therefor. 2,503,635, Apr. 11.
Riethof, George, Pittsburgh, C. W. Montgomery, Oakmont, and G. P. Brown, Jr., assignors to Gulf Research & Development Company, Pittsburgh, Pa. Recovering sulfonates of oil-soluble sulfonic acids from acid-treated hydrocarbon oils. 2,519,930, Aug. 22.
Rietz, Walter: *See*—
White, Herbert L., Rietz, and Wolff.
Rieveschl, George, Jr., Grosse Pointe Woods, assignor to Parke, Davis & Company, Detroit, Mich. Quaternary ammonium halides of amino benzhydryl ethers 2,508,422, May 23.
Rieveschl, George, Jr., Grosse Pointe Woods, assignor to Parke, Davis & Company, Detroit, Mich. Esters of phenyl-heterocyclicaminoacetic acid and their production. 2,527,574, Oct. 31.
Rieveschl, George, Jr., Grosse Pointe Woods, assignor to Parke, Davis & Company, Detroit, Mich. Amino ethers. 2,527,962, Oct. 31.
Rieveschl, George, Jr., Grosse Pointe Woods, assignor to Parke, Davis & Company, Detroit, Mich. β-dimethylamino-ethyl ρ-halobenzhydryl ethers and their salts. 2,527,963, Oct. 31.
Rieveschl, George, Jr., and R. W. Fleming, Grosse Pointe Woods, assignors to Parke, Davis & Company, Detroit, Mich. Beta-(2-biphenyloxy) ethyl beta-haloalkyl amines. 2,495,772, Jan. 31.
Rieveschl, George, Jr., and R. W. Fleming, Grosse Pointe Woods, assignors to Parke, Davis & Company, Detroit, Mich. Trialkyl ammonium halides of benzhydryl-aminoethyl ether. 2,499,417, Mar. 7.
Rifkin, Milton, Chicago, Ill., and S. E. Webster, Minneapolis, Minn., assignors to Frez-O-Mat Corporation, Merchandise dispensing device. 2,522,896, Sept. 19.
Rigali, John E., assignor to Deprato Statuary Company, Chicago, Ill. Hanger for antependium. 2,505,913, May 2.
Rigaumont, Victor A., Swissvale, Pa. Lighting and ventilating apparatus. 2,519,503, Aug. 22.
Rigby, Arthur U.: *See*—
Tuck, Ralph, Hughes, and Rigby.
Rigby, Floyd A., Portland, Oreg. Flake ice making machine. 23,247, July 11.
Rigby, Wallace J., and T. R. Baxter, Mount Vernon, Ohio, assignors to Shellmar Products Corporation, Chicago, Ill. Nursing container. 2,524,021, Sept. 26.
Rigert, Max: *See*—
Van Ryan, Anthony, and Rigert.
Rigert, Max, Milwaukee, Wis., assignor to McGraw Electric Company. Multiple step switch. 2,513,677, July 4.
Riggen, Theodore K.: *See*—
Parker, Leland C., and Riggen.
Riggen, Theodore K., Elmira, N. Y., assignor to Bendix Aviation Corporation. Electronic timer. 2,494,520, Jan. 10.
Riggen, Theodore K., Elmira, assignor to Bendix Aviation Corporation. Pendulum clock. 2,500,433, Mar. 14.
Riggen, Theodore K., Elmira, N. Y. Temper control for molding sand. 2,508,540, May 23.
Riggen, Theodore K., Elmira, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Electronic counter. 2,517,712, Aug. 8.
Riggen, Theodore K., Elmira, assignor to Bendix Aviation Corporation, Elmira Heights, N. Y. Electric clock. 2,532,944, Dec. 5.
Riggins, Glen L., Greene, assignor of twenty per cent to W. G. Henke, Charles City, Iowa. Motor vehicle emergency relay. 2,528,245, Oct. 31.
Riggs, George S., assignor of one-third to C. A. Nisson and one-third to S. C. Riggs, Salinas, Calif. Mechanical pipette. 2,530,909, Nov. 21.
Riggs, Harold C., Langhorne Manor, Pa., assignor to The Electric Storage Battery Company. Nonspill storage battery. 2,505,207, Apr. 25.
Riggs, Herbert E.: *See*—
Campbell, John F., and Riggs.
Riggs, Murray L., Pittsfield, Mass., assignor to General Electric Company. Automatic timing and recycling apparatus. 2,526,421, Oct. 17.
Riggs, Phillip L., Norfolk, Va. Combined ignition and starter switch. 2,517,506, Aug. 1.
Riggs, Samuel C., assignee: *See*—
Riggs, George S.
Riggs, William R., Flossmoor, Ill., assignor to Sinclair Refining Company, New York, N. Y. Fluidized catalyst process for conversion of hydrocarbons. 2,509,745, May 30.
Riggs, Willie A., assignee: *See*—
Phillips, Harvey.
Righter, Walter H., Glendale, Calif. Mechanical starter for aircraft engines. 2,526,578, Oct. 17.
Righton, Joseph J.: *See*—
Ifield, Richard J., and Righton.
Rights, Herbert T., Verona, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Attraction-repulsion moving iron vane instrument. 2,501,356, Mar. 21.
Rigler, Neil E., Glen Rock, N. J., assignor to Heyden Chemical Corporation, New York, N. Y. Trialkylamine salts of penicillin and the purification of penicillin. 2,530,488, Nov. 21.
Rigney, Everett E., Modesto, Calif. Coring device. 2,495,422, Jan. 24.
Rigney, Leslie, Detroit, Mich. Jewel-setting tool. 2,532,423, Dec. 5.
Rigrod, William W., Bloomfield, N. J., and E. Pawlishen, deceased, late of New York, N. Y., by J. Pawlishen, administrator, New York, N. Y., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electron discharge device. 2,495,289, Jan. 24.
Rigterink, Merle D.: *See*—
Potter, John F., and Rigterink.
Rike, Fred F., assignor to Buckeye Iron & Brass Works, Dayton, Ohio. Truck tank emergency valve. 2,512,877, June 27.
Rike, Fred F., Dayton, and H. W. Webb, Oakwood, assignors to Buckeye Iron & Brass Works, Dayton, Ohio. Valve. 2,505,992, May 2.
Rike, Siles E., Centertown, Ind. Brick handling fork. 2,503,689, Apr. 11.
Riker, John E., Detroit, Mich. Pencil pointer. 2,496,495, Feb. 7.
Riker, Robert T., and J. H. Molat, New York, N. Y. Gripper. 2,504,152, Apr. 18.
Riley, Chester A., Melrose, Mass., assignor to The B. F. Goodrich Company, New York, N. Y. Overshoe having heel-abutting element. 2,526,774, Oct. 24.
Riley Clock and Instrument Company Limited, assignee: *See*—
Riley, Joseph.
Riley, Edward M.: *See*—
Riley, Morris G. and E. M.
Riley, Frank O., and R. F. Anderson, assignors to General Motors Corporation, Detroit, Mich. Door check and hold open. Re. 23,191; Jan. 17.
Riley, Gerard C.: *See*—
Hurd, Loren C., and Riley.
Riley, Joseph, Cheltenham, assignor of one-half to Riley Clock and Instrument Company Limited, Saltburn, and one-half to S. Smith & Sons (England) Limited, London, England. Small synchronous electric motor. 2,493,999, Jan. 10.
Riley, Joseph J., assignor to The Taylor-Winfield Corporation, Warren, Ohio. Flash butt welding apparatus. 2,499,281, Feb. 28.

Riley, Lynn G., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Series parallel control system. 2,512,381, June 20.

Riley, Lynn G., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,523,142, Sept. 19.

Riley, Lynn G., and G. R. Purifoy, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Motor control system with dynamic braking. 2,523,143, Sept. 19.

Riley, Morris G. and E. M., Kansas City, Mo. Combined high chair and stroller. 2,528,452, Oct. 31.

Riley, Roy J., Independence, Kans. Sash holder. 2,527,032, Oct. 24.

Riley Stoker Corporation, assignee: *See*—
Balmer, James A.
Kuhner, Max H.
Miller, Earle C.
Rehm, Gustav A.

Rime-Bruneau, Paul, assignor to the Firm Societe d'Exploitation des Procedes Dabeg, Paris, France. Device for transmitting rotary motion. 2,494,203, Jan. 10.

Rimes, Cuthbert L., Leeds, England. Nutcracker. 2,526,273, Oct. 17.

Rinaldi, Domenic, Ambridge, Pa. Protective pad for bathtubs. 2,495,602, Jan. 24.

Rinaldy, Edward S., Chester, N. J. Opposed contact comparator, multiple selective anvil type. 2,499,418, Mar. 7.

Rinckhoff, John B.: *See*—
Roberts, Edward S., Rinckhoff, and Cunningham.

Rinehart, Carl D., and M. Kocsuta, assignors to Industrial Rayon Corporation, Cleveland, Ohio. Strand severing device. 2,494,490, Jan. 10.

Rinehart, De Ford: *See*—
Cline, Kenneth W., and Rinehart.

Rinehimer, Clarence, Chicago, Ill. Shower bath flow control. 2,527,852, Oct. 31.

Rines, Robert H., Brookline, Mass. Range and elevation computing system. 2,497,913, Feb. 21.

Rines, Robert H., Brookline, Mass. Sound ranging system. 2,528,725, Nov. 7.

Rines, Robert H., Brookline, Mass. Electric system. 2,528,726, Nov. 7.

Rines, Robert H., Brookline, Mass. Sonic picture system. 2,528,727, Nov. 7.

Rines, Robert H., Brookline, Mass. Sound-receiving method and system. 2,528,728, Nov. 7.

Rines, Robert H., Brookline, Mass. Object detecting system producing a visible likeness of the object. 2,528,729, Nov. 7.

Rines, Robert H., Brookline, Mass. Sonic picture system. 2,528,730, Nov. 7.

Ring, Douglas H., Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Variable reactor. 2,526,579, Oct. 17.

Ring, Douglas H., Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cathode-ray device. 2,534,372, Dec. 19.

Ring, Ernest A., Providence, assignor of one-half to F. M. Blakeney, Cranston, R. I. Friction-controlled hinge. 2,504,351, Apr. 18.

Ring, Ernest A., Providence, assignor of one-half to F. M. Blakeney, Cranston, R. I. Ophthalmic mounting. 2,519,852, Aug. 22.

Ring, Merle V., Portland, Oreg. Awning. 2,527,276, Oct. 24.

Ringel, Walter D., Monroe, Mich. Thumb grip archery bow. 2,507,271, May 9.

Ringer, Ferdinand, New York, N. Y. Ignitible composition. 2,496,815, Feb. 7.

Ringer, Luther: *See*—
Geldhof, Peter E., and Ringer.

Ringheim, Richard S., San Gabriel, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Mounted specimen. 2,494,834, Jan. 17.

Ringholz, Norbert A., assignor of one-half to J. Q. Davidson, Columbus, Ga. Action for upright pianos. 2,524,835, Oct. 10.

Ringland, George L., Norwood, Ohio, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Totally enclosed dynamoelectric machine. 2,526,047, Oct. 17.

Ringland, William L.: *See*—
Brainard, Frank K., and Ringland.

Ringler, Clarence W., Portsmouth, Va. Elevator platform ladder. 2,499,973, Mar. 7.

Ringler, William A., Wayne, Pa., assignor to The Gardner Board and Carton Co. Means for effecting hermetic closures in cartons and containers. 2,501,852, Mar. 28.

Ringler, William A., Wayne, Pa., assignor to The Gardner Board and Carton Co. Reclosable carton. 2,508,193, May 16.

Ringler, William A., Wayne, Pa., assignor to The Gardner Board and Carton Co. Forming collapsible containers. 2,512,382, June 20.

Ringler, William A., Wayne, Pa., assignor to The Gardner Board and Carton Co. Container for solid and liquid food products. 2,512,383, June 20.

Ringler, William A., Wayne, Pa., assignor to The Gardner Board and Carton Co. Display and dispensing carton. 2,517,030, Aug. 1.

Ringler, William A., Wayne, Pa., assignor to The Gardner Board and Carton Co. Carrier. 2,518,818, Aug. 15.

Ringquist, Clarence L., and R. G. Miner, assignors to The Trane Company, La Crosse, Wis. Method of and apparatus for conditioning air. 2,522,484, Sept. 12.

Ringrose, Henry T., Leeds, England. Apparatus for indicating the presence of inflammable vapors or gas. 2,534,796, Dec. 19.

Ringwalt, David L.: *See*—
Hilferty, Daniel J., Withrow, and Ringwalt.

Rini, S. Jack, Winchester, assignor to Lever Brothers Company, Cambridge, Mass. Alkali-refining of fatty glycerides in the pressure of an inorganic phosphate compound. 2,507,184, May 9.

Rinia, Herre, Eindhoven, Netherlands, assignor to Hartford National Bank & Trust Co., Hartford, Conn., as trustee. Device for measuring temperatures at a distance. 2,504,588, Apr. 18.

Rinia, Herre, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Optical system. 2,510,521, June 6.

Rinia, Herre, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Centered optical system. 2,518,067, Aug. 8.

Rinia, Herre, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Cooling device for electric discharge tubes. 2,532,858, Dec. 5.

Rinia, Herre, H. de Brey, F. L. van Weenen, Y. Boers, G. L. Sypkens, and W. J. van Heeckeren, Eindhoven, Netherlands, assignors to Hartford National Bank & Trust Co., Hartford, Conn., as trustee. Five element hot-gas motor with means for heating the gas thereof exclusively in the heater element thereof. 2,535,519, Dec. 26.

Riniker, Hugo A.: *See*—
Conlon, Thomas A., Davidson, Taylor and Richardson, Riniker and Beitzel.

Rink, Charles N., Minneapolis, Minn. Heat exchange device. 2,499,608, Mar. 7.

Rinke, Heinrich, Leverkusen-Kuppersteg, H. Schild, Frankfurt-Main-Hochst, and W. Siefken, Leverkusen–Schlebusch, Germany, vested in the Attorney General of the United States. Diol-diisocyanate high molecular polymerization products. 2,511,544, June 13.

Rinne, John, Brooklyn, N. Y. Equipment for salvaging submerged objects. 2,508,800, May 23.

Rinne, John, Brooklyn, N. Y., E. H. Ashton, Jersey City, N. J., and R. G. Mallard and F. G. Lake, assignors to The M. W. Kellogg Company, New York, N. Y. Take-up mechanism. 2,518,185, Aug. 8.

Rinne, John, Brooklyn, and R. G. Mallard, Staten Island, N. Y., assignors to The M. W. Kellogg Company, Jersey City, N. J. Filling motion. 2,522,840, Sept. 19.

Rinne, John, Brooklyn, N. Y., assignor to The M. W. Kellogg Company, Jersey City, N. J. Weaving method and letoff. 2,523,060, Sept. 19.

Rinne, John, Brooklyn, N. Y., E. H. Ashton, Jersey City, N. J., R. G. Mallard, Staten Island, N. Y., and E. L. Kielczewski, Kearny, assignors to The M. W. Kellogg Company, Jersey City, N. J. Filling replenishing mechanism. 2,525,148, Oct. 10.

Riordan, Edward J., Kilburn, London, England. Alternating current electrical instrument and electromagnet therefor. 2,507,320, May 9.

Riordan, Howard C., and L. Bethke, Oak Park, Ill. Method of and apparatus for tying neckties. 2,512,113, June 20.

Riordan, Howard C., and L. Bethke, Oak Park, Ill. Necktie and tying article therefor. 2,526,274, Oct. 17.

Riordan, John A., Kermit, Tex. Quick-acting wrench. 2,499,609, Mar. 7.

Riott, John P.: *See*—
Buehl, Russell C., Riott and Shoub.

Rioux, Gene, Pine Cove, Ontario, Canada. Liner, dispenser, and closure cover for cigarette packages. 2,522,061, Sept. 12.

Ripatte, Carl H., Oxnard, Calif. Cavity insulator. 2,529,187, Nov. 7.

Ripke, August C., Austin, Minn. Transmission. 2,495,824, Jan. 31.

Ripley, Fred C., assignee: *See*—
Smyser, Elmer D.

Ripley & Gowen Company, Inc., assignee: *See*—
Anderson, Louis A.

Rippere, Robert O., Massapequa, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Ground trainer for aircraft flight personnel. 2,516,803, July 25.

Ripple, Donald A., San Francisco, Calif. Imitation pocket handkerchief. 2,507,049, May 9.

Ri-Ri-Werk A. G., assignee: *See*—
Ryser, Ernst.

Risberg, David, and M. Helman, Brooklyn, N. Y. Cosmetic kit. 2,533,507, Dec. 12.

Risch, Arthur H., Wauwatosa, assignor to Pulp Reproduction Company, Milwaukee, Wis. Pulp decoy. 2,494,631, Jan. 17.

Risch, Arthur H., assignor to Pulp Reproduction Company, Milwaukee, Wis. Pulp decoy. 2,518,721, Aug. 15.

Rishcoff, Michael, Wilkes-Barre, Pa. Support belt. 2,514,796, July 11.

Rishcoff, Michael, Wilkes-Barre, Pa. Solid spring frame for solid frame suppert belts. 2,520,063, Aug. 22.
Rishell, George L. Emporium, Pa., assignor to Sylvania Electric Products, Inc. Electron discharge device. 2,499,974, Mar. 7.
Risk, Thomas H., Franklin, Mich. Closure. 2,498,345, Feb. 21.
Risney, Charles R., Chadwicks, N. Y. Storm shield and ventilator for window screens. 2,498,095, Feb. 21.
Risser, William C.: *See*—
Hansen, Norman A., Milne and Risser.
Rissler, Lennius R., Hohokus, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Roller guide shoe for elevators. 2,498,299, Feb. 21.
Rissler, Lennius R., Hohokus, N. J., assignor to Westinghouse Electric Corporation, East Pittsbugh, Pa. Elevator door system. 2,517,713, Aug. 8.
Rissler, Lennius R., Hohokus, and R. M. Spear, Jersey City, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Door operating mechanism. 2,502,995, Apr. 4.
Rissman, John, & Son, assignee: *See*—
Thomas, Rosetta J., and Hochmuth.
Ristow, John R., assignor to St. John & Co., Chicago, Ill. Wheel bearing. 2,506,278, May 2.
Ristow, John R., assignor to St. John & Co., Chicago, Ill. Ball-bearing wheel. 2,510,659, June 6.
Riszdorfer, Laszlo, Budapest, Hungary, vested in the Attorney General of the United States. Photoelectric exposure meter having a reflector facing the photocell. 2,503,768, Apr. 11.
Ritchie, Alexander J., assignor to Electric Boat Company, Bayonne, N. J. Filling a container by vacuum and then placing the container under pressure. 2,494,454, Jan. 10.
Ritchie, Bertram F., and C. H. Holtan, Minneapolis, Minn. Electrically heated tool. 2,507,736, May 16.
Ritchie, Duane B., Lansing, Mich. Handle assembly. 2,523,144, Sept. 19.
Ritchie, Floyd F., Jackson, Mich. Wire stretching tool. 2,503,634, Apr. 11.
Ritchie, Franklin A., Charlotte, N. C. Picker stick check for looms. 2,535,814, Dec. 26.
Ritchie, George D., Evansville, Ind. Vehicle registration card and service tally holder. 2,531,295, Nov. 21.
Ritenour, Daniel W., Winchester, Va. Rotary cultivator attachment. 2,500,869, Mar. 14.
Ritepoint Co., assignee: *See*—
Kuhn, Paul R.
Rite-Way Products Company, assignee: *See*—
McArthur, Herbert A., and Decker.
Rawson, Emanuel.
Wall, Sam P.
Ritsch, Howard P., Chicago, Ill., assignor to Process Development Company. Method and apparatus for centrifugal separation. 2,528,974, Nov. 7.
Rittenhouse, Charles, Cincinnati, Ohio. Arm supported universal portable power tool. 2,504,880, Apr. 18.
Rittenhouse, Chester H.: *See*—
Meier, Frederic, and Rittenhouse.
Rittenhouse, Howard E., and S. E. Gilmore, assignors to The Wayne Pump Company, Fort Wayne, Ind. Pump. 2,493,929, Jan. 10.
Ritter, Alex S., San Rafael, Calif. Control device for plural fluid motor operation. 2,523,521, Sept. 26.
Ritter Company, Inc., assignee: *See*—
Blatz, Hanson, and Roberts.
Bronk, Fay E., and Cameron.
Clachko, Josiah S.
Morrison, Montford.
Ries, Edward J., and Lauterbach.
Ries, Edward J., and Maxson.
Ritter, Curt R., New York, N. Y. Drawing board attachment. 2,508,470, May 23.
Ritter, Edmond J., Wyandotte, Mich., assignor to Sharples Chemicals Inc. Preparation of thiuram monosulfides. 2,524,081, Oct. 3.
Ritter, Edmond J., Wyandotte, Mich., and C. N. Robinson, Topeka, Kans., assignors to Sharples Chemicals Inc. Preparation of thiazolyl and thiazolinyl dithiocarbamates. 2,524,082, Oct. 3.
Ritter, Herman, Cranford, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Oil metering device for sewing machines. 2,529,573, Nov. 14.
Ritter, Irving S., Sharon, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Air conditioning apparatus for railway cars. 2,496,751, Feb. 7.
Ritter, Irving S., Sharon, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Air conditioning system for passenger vehicles. 2,513,679, July 4.
Ritter, Oak L., San Francisco, Calif. Moving and sounding figure toy. 2,529,631, Nov. 14.
Ritter, Theodore J., assignee: *See*—
Lewis, Frances V.
Rittershausen, Ernst P.: *See*—
Bruins, Paul F., and Rittershausen.
Rittershausen, Ernst P., Hempstead, and P. D. Sharpe, New York, N. Y., assignors to Socony-Vacuum Oil Company, Incorporated. Stabilization of synthetic elastomers. 2,502,391, Mar. 28.
Ritzel, Henry S., New York, N. Y. Motorcycle and side frame. 2,514,900, July 11.
Ritzert, Robert W., assignor to The Hammarlund Manufacturing Company, Inc., New York, N. Y. Station selector for radio apparatus. 2,501,853, Mar. 28.
Ritz-Woller, Oliver C., Dallas, Tex. Mirror construction having a resilient securing band. 2,495,347, Jan. 24.
Riu, Walter I., Philadelphia, Pa. Furnace for hot-air and water space heating with domestic water heater. 2,533,508, Dec. 12.
Rius, Pedro V., Igualada, Spain. Embroidering machine. 2,535,456, Dec. 26.
Rival Manufacturing Company: *See*—
Howell, Harry H.
Rivenburgh, Malcolm R.: *See*—
Steward, Colby W., and Rivenburgh.
Rivers, Edward V., Bothell, Wash. Portable electrical highway signal. 2,520,565, Aug 29.
Rivers, Walter, Coeur d'Alene, Idaho. Boat trailer. 2,496,599, Feb. 7.
Rivers, William D. R.: *See*—
Hough, George H., White, and Rivers.
Riverside Mills, assignee: *See*—
Cone, Ralph R., and Lewis.
Rives, Walter L., Jacksonville, Fla. Fishing rod reel mount. 2,503,510, Apr. 11.
Rivet, Henry P., New York, N. Y. Lemon slicing device. 2,495,770, Jan. 31.
Riviera Packing Company, assignee: *See*—
Smith, Herbert P.
Rivington, Arthur A.: *See*—
Clarke, Thomas B., and Rivington.
Rivoche, Eugene J., Washington, D. C., assignor to Farmers Marketing and Supply Company, Limited, London, England. Drying of starchy foodstuffs. 2,520,891, Aug. 29.
Rivolier, Alexis, Saint-Etienne, France. Manacle. 2,510,294, June 6.
Rix, Robert W., Denver, Colo. Fishing reel. 2,507,457, May 9.
Rixson, Oscar C., Co., The, assignee: *See*—
Garrison, Forrest C.
Riza, Samuel D., Cleburne, Tex. Dry feed mixer. 2,512,214, June 20.
Roach, Earl M., assignor to Arvey Corporation, Chicago, Ill. Terrace display. 2,506,237, May 2.
Roach, Earl M., assignor to Arvey Corporation, Chicago, Ill. Conical shadow box display. 2,526,580, Oct. 17.
Roach, Earl M., assignor to Arvey Corporation, Chicago, Ill. Collapsible step display. 2,535,160, Dec. 26.
Roach, Frank T.: *See*—
Girard, Dean C., and Roach.
Roach, John R.: *See*—
Wittcoff, Harold, and Roach.
Roach, John R., and H. Wittcoff, Minneapolis, Minn., assignors to General Mills, Inc. Unsaturated ethers. 2,527,853, Oct. 31.
Roach, John R., and H. Wittcoff, Minneapolis, Minn., assignors to General Mills, Inc. Preparing polyhydric alcohols. 2,532,036, Nov. 28.
Roach, Paul G.: *See*—
Smith, Omar H., and Roach.
Roach, Vernon A., Oakland, Calif., assignor of one-half to G. B. Osborne. Engine speed control. 2,533,627, Dec. 12.
Roach, Walter J., Seaford, N. Y. Bathtub protector. 2,510,933, June 6.
Road, Richard A.: *See*—
Paine, Louis A., and Road.
Road, Richard A., West Lafayette, assignor to Duncan Electric Manufacturing Company La Fayette, Ind. Meter reset device. 2,531,948, Nov. 28.
Roadgrader Gauge Corporation, assignee: *See*—
Schiavi, Vincent.
Roadmaster Products Company, assignee: *See*—
Tann, Fred A., and Westlund.
Roamer, James M., Washington, D. C. Combination smoking set. 2,506,385, May 2.
Roanwell Corporation, assignee: *See*—
Sears, Sterling G.
Robb, Harry J., New Philadelphia, Ohio. Desk. 2,510,255, June 6.
Robb, John F., Cleveland Heights, Ohio, assignor to Koehring Company, Milwaukee, Wis. Self-contained power scraper. 2,528,550, Nov. 7.
Robb, Richard M.: *See*—
McBee, Earl T., and Robb.
McBee, Earl T., Robb, and Ligett.
Robb, Theodore D., Ridgewood, N. J., and J. B. Shiel, Glen Head, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Multiunit calling group control circuit for preventing overload of current at switchboards. 2,519,287, Aug. 15.
Robb, Walter Y., Whitinsville, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Cloth board for Axminster looms. 2,523,061, Sept. 19.
Robb, Wayne F., assignor to Shaw Insulator Company, Irvington, N. J. Molding apparatus. 2,511,079, June 13.
Robberts, Oscar A.: *See*—
Van de Laar, Francis, and Robberts.
Robbins, Azor D., Glen Cove, N. Y. Balanced fluid clutch. 2,531,744, Nov. 28.
Robbins, Browning G., Walla Walla, assignor to Glorioscope, Inc., Seattle, Wash. Apparatus for illuminating images for projectors. 2,494,356, Jan. 10.

Robbins, Charles F., assignor to Markem Machine Company, Keene, N. H. Machine for marking cylindrical articles. 2,500,871, Mar. 14.

Robbins, Clyde F., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electrical control station. 2,526,901, Oct. 24.

Robbins, Clyde F., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electric switch. 2,535,161, Dec. 26.

Robbins, Donald H., Brooklyn, N. Y. Fastener for identification tags. 2,505,836, May 2.

Robbins Engineering Company, assignee: *See*— Schultz, Russel A.

Robbins, George A., Dunbar, Pa. Antiskid chain connector. 2,505,724, Apr. 25.

Robbins, Gordon B., Pennsgrove, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Sulfur colors of novel shades and preparing the same. 2,504,153, Apr. 18.

Robbins, Howard R., Pittsburgh, Pa. Toy device. 2.508.423, May 23.

Robbins Incubator Co., assignee: *See*— Vaughan, David M.

Robbins, James M., Ferndale, Mich. Rear window for collapsible tops for automobiles. 2,495,022, Jan. 17.

Robbins, Jesse J., assignor to Stylofede Corporation, Glendale, Calif. Clip. 2,507,816, May 16.

Robbins, Jesse J., assignor to Stylofede Corporation, Glendale, Calif. Extendible eraser. 2,532,037, Nov. 28.

Robbins & Myers, Inc., assignee: *See*— Allen, Stanley O. Byram, Frederick C. Moineau, René J. L.

Robbins, William K., Milwaukee, Wis. Chain link. 2,525,724, Oct. 10.

Robblee, Ide L., Southbridge, Mass Emergency traction device for vehicle wheels. 2,520,260, Aug. 29.

Robell, Paul R., Sao Paulo, Brazil. Mattress. 2,504,352, Apr. 18.

Robers, Clara S., executrix: *See*— Robers, Henry J.

Robers, Henry J., deceased; by C. S. Robers, executrix, Burlington, Wis. Shoe shining machine. 2,523,522, Sept. 26.

Roberson, Claude M., Shrevesport, La. Oil well hook. 2,519,288, Aug. 15.

Roberson, Cyrus E., assignor to The Noble & Wood Machine Company, Hoosick Falls, N. Y. Hydraulic seal for pulp refining mills. 2,533,199, Dec. 5.

Roberson, Leonard N., Seattle, Wash. Radiant electric heating device. 2,511,378, June 13.

Roberson, Victor L., St. Louis, Mo. Liquid dispensing container. 2,509,369, May 30.

Robert, Jacques: *See*— Jacob, Robert M., and Robert.

Robert, Ramon C., Geneva, Switzerland, assignor to Mefina S. A. Binningen. Retaining device for rotary hooks. 2.505.523, Apr. 25.

Roberts, A. Boake, and Company Limited, assignee: *See*— Lush, Ernest J. Sully, Bernard T. D.

Roberts, Albert O., assignor to Ford Motor Company, Dearborn, Mich. Planetary transmission unit. 2,507,050, May 9.

Roberts, Albert O., assignor to Ford Motor Company, Dearborn, Mich. Transmission control. 2,507,051, May 9.

Roberts, Albert O., Dearborn, Mich. Power reclaimer. 2,525,946, Oct. 17.

Roberts, Arthur, Shaker Heights, assignor to The Colonnade Company, Cleveland, Ohio. Lighting fixture of the recessed ceiling type. 2,518,936, Aug. 15.

Roberts, Arthur E., assignor to Empire Products, Inc., Cincinnati, Ohio. Portable toilet seat. 2,512,583, June 20.

Roberts, Bonnie J., administratrix: *See*— Roberts, William J.

Roberts, Clarence F., assignor of one-third to E. Buckly, Chicago, Ill. Culinary implement. 2,526,275, Oct. 17.

Roberts, Clark L., Nampa, Idaho. Vegetation cutter. 2,494,263, Jan. 10.

Roberts, Constance C., Mosinee, Wis. Fish lure. 2,495,134, Jan. 17.

Roberts, Dimon A.: *See*— Harder, Oscar E., and Roberts.

Roberts, Edgar C.: *See*— Davis, George B., Jr., and Roberts.

Roberts, Edward N.: *See*— Mixon, Lawson W., and Roberts.

Roberts, Edward N., and L. W. Mixon, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Preparing stabilized organic sulfur-containing compounds. 2,497,097, Feb. 14.

Roberts, Edward S., New York, N. Y., J. B. Rinckhoff, Fanwood, N. J., and F. C. Cunningham, Jackson Heights, assignors to Chemical Construction Corporation, New York, N. Y. Production of water gas. 2,502,670, Apr. 4.

Roberts, Eli T., Carpenterville, Oreg. Automatic trailer brake. 2,497,016, Feb. 7.

Roberts, Elliott J.: *See*— Jukkola, Walfred W., and Roberts. Wilcox, Arnold L., Roberts, and Fitch.

Roberts, Elliott J., Westport, assignor to The Dorr Company, Stamford, Conn. Removing silica from water. 2,503,769, Apr. 11.

Roberts, Elwyn: *See*— Willson, Francis G., Forster, and Roberts.

Roberts, Frank A., Long Beach, Calif. Selective dispensing cabinet. 2,526,422, Oct. 17.

Roberts, Fred T., Ridgefield, Conn. Covering balls. 2,505,430, Apr. 25.

Roberts, Fred T., Ridgefield, Conn. Method and apparatus for vulcanizing hollow rubber articles. 2,509,882, May 30.

Roberts, Fred T., Ridgefield, Conn. Making reinforced balls. 2,519,069, Aug. 15.

Roberts, Fred T., Ridgefield, Conn. Method and apparatus for covering balls. 2,524,680, Oct. 3.

Roberts, Frederick H., Charleston, W. Va., and H. R. Fife, Pittsburgh, Pa., assignors, by mesne assignments, to Union Carbide and Carbon Corpooration. Diethers of polyoxyalkylene diols. 2,520,611, Aug. 29.

Roberts, Frederick H., Charleston, W. Va., and H. R. Fife, Pittsburgh, Pa., assignors, by mesne assignments, to Union Carbide and Carbon Corpooration. Diethers of polyoxyalkylene diols. 2,520,612, Aug. 29.

Roberts, Frederick W., Fairfield, Conn., assignor to Dictaphone Corporation, New York, N. Y. High-speed intelligence recording and reproducing system. 2,534,060, Dec. 12.

Roberts, Frederick W., and S. Yerkovich, Fairfield, Conn., assignors to Dictaphone Corporation, New York, N. Y. Guarded stylus. 2,534,735, Dec. 19.

Roberts, George A., Swarthmore, Pa., assignor to the United States of America, as represented by the Executive Secretary of the Office of Scientific Research and Development. Beam blanking and sweep control. 2,498,579, Feb. 21.

Roberts, George H., Rock Island, Ill. Piston ring. 2,522,764, Sept. 19.

Roberts, Glyn P., Brewood, England. Control mechanism for epicyclic gear boxes. 2,529,741, Nov. 14.

Roberts, Graham E.: *See*— Fennessy, Edward and Roberts.

Roberts, Harry C., Jr., Houston, Tex. Customer's signal. 2,505,365, Apr. 25.

Roberts, Howard, New York, assignor to Waldes Kohinoor, Inc., Long Island City, N. Y. Door knob assembly. 2,517,240, Aug. 1.

Roberts, Howell L., Maywood, and P. Sognefest, Broadview, Ill., assignors to American Can Company, New York, N. Y. Vacuum packing food products under agitation. 2,529,514, Nov. 14.

Roberts, Ingham S.: *See*— Pedlow, John W., Webb, and Roberts.

Roberts, Ingham S., Ridley Park, Pa., assignor to American Viscose Corporation, Wilmington, Del. Tension control for winding machines. 2,509,250, May 30.

Roberts, Ingham S., Ridley Park, Pa., assignor to American Viscose Corporation, Wilmington, Del. Treating filamentary materials with liquid. 2,524,177, Oct. 3.

Roberts, Ingham S., Ridley Park, Pa., assignor to American Viscose Corporation, Wilmington, Del. Twister stopping device. 2,531,531, Nov. 28.

Roberts, Irving, Greensburg, assignor to Elliott Company, Jeannette, Pa. Gas purifying method and apparatus. 2,534,478, Dec. 19.

Roberts, Irving, assignor to Elliott Company, Jeannette, Pa. Separation of ternary gaseous mixtures containing hydrogen and methane. 2,495,549, Jan. 24.

Roberts, Irving, and D. B. Crawford, assignors to Elliott Company, Jeannette, Pa. Gas separation method and apparatus. 2,524,397, Oct. 3.

Roberts, Jackson W., Luxora, Ark. Cultivator and harvester. 2,514,338, July 4.

Roberts, James T., Cleveland, Ohio. Solar azimuth protractor. 2,508,838, May 23.

Roberts, John, London, England. Make and break or change-over electric switch. 2,501,964, Mar. 28.

Roberts, John B., and H. B. Gage, Wilmington, and C. H. Brautcheck, Bear, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Continuous photochemical preparation of aliphatic sulfonyl chlorides. 2,528,320, Oct. 31.

Roberts, John E., assignor to R. C. Parkes, Philadelphia, Pa. Extruding machine. 2,520,337, Aug. 29.

Roberts, Lawrence D., Mount Vernon, N. Y. Fishing leader vise. 2,502,751, Apr. 4.

Roberts, Lee C., Kansas City, Mo. Insect screen for motor car windows. 2,528,786, Nov. 7.

Roberts, Leland C., Towaco, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Alternating current telegraph system. 2,495,773, Jan. 31.

Roberts, Leland C., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telegraph switching system. 2,503,414, Apr. 11.

Roberts, Leonard C.: *See*— Anderson, Eugene A., and Roberts.

Roberts & Mander Corporation, assignee: *See*— Minster, Henry S.

Roberts, Michael S.: *See*— Nile, Robert H., and Roberts.

Roberts Mill Manufacturing Company, The, assignee: *See*— Williamson, John W.

Roberts, Noble J., Cheyenne, Wyo. Fluid sampling apparatus. 2,534,181, Dec. 12.

Roberts Numbering Machine Co., Inc., The, assignee: *See*— Knapp, Henry.

Roberts, Oramel W., Beaverville, Ill. Electrical fence 2,513,206, June 27.
Roberts, Ralph, Eastport, Md. Active material for alkaline cells and preparing the same. 2,519,399, Aug. 22.
Roberts, Raymond H., assignee: *See*—
Bradish, Elliott E.
Roberts, Richard M., Berkeley, F. T. Eggertsen, and B. S. Greensfelder, Oakland, assignors to Shell Development Company, San Francisco, Calif. Aromatization catalysts and the preparation thereof. 2,498,709, Feb. 28.
Roberts, Robert: *See*—
Chapman, James, and Roberts.
Roberts, Robert E., Ridgefield, Conn. Flexible tube. 2,508,774, May 23.
Roberts, Robert E., Ridgefield, Conn. Apparatus for covering balls. 2,509,528, May 30.
Roberts, Robert E., Ridgefield, Conn. Method and apparatus for making hollow plastic articles. 2,513,052, June 27.
Roberts, Robert E., Ridgefield, Conn. Making flexible tubes. 2,524,679, Oct. 3.
Roberts, Roland Q., Chicago, Ill. Jumping frog toy. 2,535,868, Dec. 26.
Roberts, Roland R., Irondequoit, assignor to Consolidated Machine Tool Corporation, Rochester, N. Y. Work driving mechanism for lathes. 2,497,690, Feb. 14.
Roberts, Royston M.: *See*—
Price, Charles, Roberts, and Herbrandson.
Roberts, Russell R.: *See*—
Blatz, Hanson, and Roberts.
Roberts, Samuel S., Pittsburgh, Pa. Telescopic protector. 2,514,721, July 11.
Roberts, Sarah B., Los Angeles, Calif. Hat and constructional element therefor. 2,493,361, Jan. 3.
Roberts and Scharfer Company, assignee: *See*—
Ore, Carl V.
Roberts, Seward M., Chicago, Ill., assignor to American Flange & Manufacturing Co., Inc., New York, N. Y. Pouring spout or faucet for containers. 2,498,222, Feb. 21.
Roberts, Shepard, Cambridge, Mass., assignor by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Rotatable joint for radio wave guide systems. 2,513,205, June 27.
Roberts, Stiles M., Albany, assignor to General Aniline & Film Corporation, New York, N. Y. Manufacture of C-nitrosoarylamines. 2,495,774, Jan. 31.
Roberts, Theron W., assignor to The Swartzbaugh Manufacturing Company, Toledo, Ohio. Electric roaster. 2,509,169, May 23.
Roberts, Walter S., assignee: *See*—
Beckman, Gustaf S.
Roberts, Walter V., Princeton, N. J., assignor to the United States of America as represented by the Secretary of the Navy. Short-range continuous wave radar system. 2,516,343, July 25.
Roberts, Walter V., Princeton, N. J., assignor to Radio Corporation of America. Direction finder. 2,520,693, Aug. 29.
Roberts, Walter V., Silver Spring, Md., assignor to the United States of America as represented by the Secretary of the Navy. Making microwave tubes. 2,513,207, June 27.
Roberts, William, Brooklyn, N. Y., assignor to Premix Combustion, Inc. Head structure for gun type oil burners. 2,518,937, Aug. 15.
Roberts, William A., Lakewood, Colo. Rock bit. 2,499,282, Feb. 28.
Roberts, William E., Grand Rapids, Mich. Poultry brooder. 2,521,480, Sept. 5.
Roberts, William F., Crawford, Nebr. Moving truck. 2,535,457, Dec. 26.
Roberts, William H., Dallas, Tex. Pipe-line cleaner loading and cleanout device. 2,493,504, Jan. 3.
Roberts, William J., deceased, Little Chief, Okla., by B. J. Roberts, administratrix, McKinney, Tex., assignor to Phillips Petroleum Company. Method and apparatus for injecting water or other liquids into gas input wells. 2,514,259, July 4.
Roberts, William L., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Electronic pulse transmission system. 2,512,680, June 27.
Roberts, William L., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Arc welding apparatus. 2,495,183, Jan. 17.
Robertshaw, Arthur B., Jr.: *See*—
Morgan, George A., and Robertshaw, Jr.
Robertshaw, Ernest G. F., Baildon, England. Rack engaging lever carried detent. 2,530,030, Nov. 14.
Robertshaw-Fulton Controls Company, assignee: *See*—
Arden, Thomas T.
Branson, Charles D.
Brown, Dan A., and Dougherty.
Caparone, Michael J.
Dysart, Lawrence S.
Hajek, William J.
Kunzler, William S.
Lakota, Stanley J., and Rudiselle.
Lawhon, Charles D.
Main, Robert C.
Moss, George M.
Puster, Louis M.
Robertshaw-Fulton Controls Company, assignee: *See*—Con.
Rice, Harold W.
Saunders, Robert P.
Steele, Samuel W.
Strobel, Charles K.
Watkins, William M., Jr.
Weber, Victor.
Weber, Victor, and Garner.
Robertson, Alexander, Philadelphia, Pa. Supporting spindle for yarn packages. 2,497,796, Feb. 14.
Robertson, Alexander T.: *See*—
Hibbert, John W., Robertson, and Beveridge.
Robertson, Alexander T., Newcastle-on-Tyne, England, assignor to The Cline Electric Manufacturing Company, Chicago, Ill. Speed controlling apparatus. 2,502,027, Mar. 28.
Robertson, Cecil A., Glendale, Calif. Viewer for transparent pictures. 2,520,432, Aug. 29.
Robertson, Charles S., Taunton, Mass., assignor to Robertson Factories, Inc., New York, N. Y. Adjustable window curtain. 2,520,613, Aug. 29.
Robertson, Charles S., and A. Mattos, Taunton, Mass., assignors to Robertson Factories, Inc., New York, N. Y. Window drape and curtain. 2,524,477, Oct. 3.
Robertson, Clarence H., West La Fayette, Ind. Teaching manual skills. 2,494,000, Jan. 10.
Robertson, Donald R.: *See*—
Sampietro, Achilles C., and Robertson.
Robertson Engineering Corporation, assignee: *See*—
Martin, Denzil O.
Robertson Factories, Inc., assignee: *See*—
Robertson, Charles S.
Robertson, Charles S., and Mattos.
Robertson, Frank H.: *See*—
Knowler, Henry, and Robertson.
Robertson, H. H., Company, assignee: *See*—
Bannister, Bryant.
Crafton, Henry H.
Hubbell, Dean S.
Johnson, Thomas B.
Robertson, Harry C., New York, assignor to N. Scher, Flushing, N. Y. Metal button. 2,522,585, Sept. 19.
Robertson, Hazard N.: *See*—
Coleman, Ralph M., La Mar, and Robertson.
Robertson, Jack B., Seattle, Wash., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Liquid rheostat. 2,498,049, Feb. 21.
Robertson, James A., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Azo compounds containing carboxyl and cyano groups. 2,520,338, Aug. 29.
Robertson, James A., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Araliphatic azo catalysts for addition polymerization. 2,520,339, Aug. 29.
Robertson, James C., North Little Rock, Ark. Detachable telescope mount. 2,528,080, Oct. 31.
Robertson, Jerry B., Evansville, Ind. Drilling tool. 2,516,421, July 25.
Robertson, John D., Taunton, Mass. Bow correcting apparatus. 2,496,312, Feb. 7.
Robertson, John W.: *See*—
Robertson, Lucile D. and J. W.
Robertson, Lucile D. and J. W., Anderson, S. C. Silver tarnish prevention. 2,503,843, Apr. 11.
Robertson Paper Box Co., Inc., assignee: *See*—
Tyrseck, Walter J.
Robertson, Peter L., Milton, Ontario, Canada. Screw driver. 2,515,839, July 18.
Robertson, Randal M., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Antenna. 2,516,530, July 25.
Robertson, Randal M., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Impedance matching device for wave guides for antenna systems. 2,521,873, Sept. 12.
Robertson, Ray, Goose Creek, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Distilation of diolefins. 2,513,252, June 27.
Robertson, Robert L., Kansas City, Mo. Garment hanger. 2,529,742, Nov. 14.
Robertson, Roy B., Fort Worth, Tex. Kitchen ventilator. 2,528,844, Nov. 7.
Robertson, Sloan D., Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron velocity variation device with noise reducing resonator. 2,494,721, Jan. 17.
Robertson, Sloan D., Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Negative resistance repeater system. 2,522,402, Sept. 12.
Robertson, Thayne, Boise, Idaho. Stoker smoking pipe. 2,533,956, Dec. 12.
Robertson, Thomas M., New York, N. Y. Vacuum-actuated clutch and/or brake control. 2,532,194, Nov. 28.
Robertson, William, assignor to Bull Dog Electric Products Company, Detroit, Mich. Switch operator and cover interlock means. 2,527,451, Oct. 24.

Robertson, William, and L. W. Higgins, assignors to Bulldog Electric Products Company, Detroit, Mich. Panel board. 2,511,995, June 20.

Robertson, William E., Wilmette, assignor to W. H. Miner, Inc., Chicago, Ill. Center pin for body and truck bolsters. 2,519,504, Aug. 22.

Robertson & Woodcock Limited, assignee: *See*— Hurndell, Allan.

Robeson, Arthur R. D., Peterborough, assignor to Power Jets (Research and Development) Limited, London, England. Control system for turbo jet engines with reheat fuel supply system. 2,520,434, Aug. 29.

Robeson, Charles D., and C. C. Eddinger, assignors, by mesne assignments, to Eastman Kodak Company, Rochester, N. Y. Synthesis of β-ionylidene acetaldehyde. 2,507,647, May 16.

Robeson, Max O., Corpus Christi, Tex., assignor to Celanese Corporation of America. Production of formals. 2,535,458, Dec. 26.

Robey, Paul, Elmhurst, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated. Heat resistant paint. 2,524,357, Oct. 3.

Robey, Paul, Metuchen, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Preparing colloidal silica solutions. 2,524,358, Oct. 3.

Robey, Richard F., Cranford, and S. G. Gallo, Roselle, N. J., assignors to Standard Oil Development Company. Alcohol process. 2,497,959, Feb. 21.

Robichaud, Edmund J., Middletown, assignor to The Billings and Spencer Company, Hartford, Conn. Automatic bar stock machine. 2,534,993, Dec. 19.

Robichaux, Roy P.: *See*— Board, Francis S., and Robichaux.

Robideau, Joseph, Cumberland, R. I. Stop motion for braiding machines. 2,497,560, Feb. 14.

Robie, Norman P., Lewiston, assignor to The Carborundum Company, Niagara Falls, N. Y. Abrasive articles and manufacturing the same. 2,496,234, Jan. 31.

Robie, Norman P., Lewiston, assignor to The Carborundum Company, Niagara Falls, N. Y. Flexible abrasive articles. 2,497,469, Feb. 14.

Robin, Leo, Albi, France. Freewheel mechanism. 2,501,408, Mar. 21.

Robineau, Marcel, Paris, France, assignor to International Business Machines Corporation, New York, N. Y. Electric comparing mechanism. 2,511,996, June 20.

Robinet, Pierre: *See*— Charles, Ernest, and Robinet.

Robinette, Ernest A., Carrollton, Mo. Oil burner. 2,506,841, May 9.

Robinette, Willard C., Pasadena, Calif. Electronic motor control system. 2,505,258, Apr. 25.

Robins, Erford E.: *See*— Parker, Humphrey F., and Robins.

Robins, Erford E., North Tonawanda, and H. F. Parker, Buffalo, assignors to Columbus McKinnon Chain Corporation, Tonawanda, N. Y. Clutch and brake for hoists. 2,501,096, Mar. 21.

Robins, Erford E., North Tonawanda, and H. F. Parker, Buffalo, assignors to Columbus McKinnon Chain Corporation, Tonawanda, N. Y. Ratchet structure. 2,519,400, Aug. 22.

Robins, G. S., & Company, assignee: *See*— Liss, Jack A.

Robins, John W.: *See*— Tracy, William L., Esval, and Robins.

Robins, Seymour, New York, N. Y. Phonograph record holder. 2,500,773, Mar. 14.

Robinson, Albert P., Seattle, Wash. Surface finishing machine. 2,507,052, May 9.

Robinson, Allan, Boston, Mass. Portable crucifix and case. 2,528,913, Nov. 7.

Robinson, Allen D., Kenosha, Wis. Toothpaste ejector. 2,533,839, Dec. 12.

Robinson, Arthur M., Boston, Mass., assignor, by mesne assignments, to The Brush Development Company, Cleveland, Ohio. Piezoelectric crystals. 2,512,878, June 27.

Robinson, Bernard W.: *See*— Cunningham, Leslie B. C., Ford, Barnes, Sykes, Hancock, and Robinson.

Robinson, Bruce E., assignor to Toledo Scale Company, Toledo, Ohio. Meat chopping device with worm-gear driving means. 2,531,158, Nov. 21.

Robinson, Cecil S., New York, N. Y. Gun camera mount. 2,500,379, Mar. 14.

Robinson, Cecil S., New York, N. Y. Duplex spring absorption unit. 2,519,702, Aug. 22.

Robinson, Charles F., Pasadena, Calif. Sorting apparatus. 2,532,644, Dec. 5.

Robinson, Charlotte and J. S., New York, N. Y. Utility stove cover. 2,503,132, Apr. 4.

Robinson, Claude L. and R. H. Lillyblad, assignors to Camfield Manufacturing Company, Grand Haven, Mich. Electric bread toaster. 2,512,503, June 20.

Robinson Clay Products Company, The, assignee: *See*— Gilson, William D., and Myers.

Robinson, Correll N.: *See*— Ritter, Edmond J., and Robinson.

Robinson, David H., Llanerch, Pa., and T. E. Dunn, Pennsauken, N. J., assignors to Radio Corporation of America. Radio distance measuring system. 2,533,898, Dec. 12.

Robinson, Duncan D.: *See*— Holland, John D., and Robinson.

Robinson, Eldon L.: *See*— Robinson, Garner L. and E. L.

Robinson, Elvin B., Gastonia, and J. C. Costner, Bessemer City, assignors of one-third to A. W. Kincaid, Kings Mountain, N. C. Spindle and bolster and lubrication means therefor. 2,499,075, Feb. 28.

Robinson, Ernest S., Brentwood, Md. Expanding reamer. 2,511,650, June 13.

Robinson Foundation, Inc., The, assignee: *See*— Neuda, Paul M.

Robinson, Francis T., Rockville Centre, assignor to Arkell Safety Bag Company, New York, N. Y. Bag machine and method. 2,521,187, Sept. 5.

Robinson, Frank J, assignee: *See*— Payne, Worth C.

Robinson, Franklin P.: *See*— Brandon, Martin, Robinson, and Budd.

Robinson, Garner L., Milner, and E. L. Robinson, Aldergrove, British Columbia, Canada. Tractor attachment. 2,512,114, June 20.

Robinson, George H., Royal Oak, assignor to Jervis B. Webb Company, Detroit, Mich. Pusher dog conveyer assembly. 2,529,663, Nov. 14.

Robinson, George W., Baytown, Tex., assignor to Standard Oil Development Company. Apparatus for handling suspensions of solids in gases. 2,513,253, June 27.

Robinson, Gilbert A., Sutton-on-Hull, England. Fastener for receptacle closures. 2,526,276, Oct. 17.

Robinson, Glen J.: *See*— Craig, Burnie M., and Robinson.

Robinson, Grant R., Melrose, and P. T. Trueman, Canton, Mass., assignors to Old Town Ribbon & Carbon Co., Inc. of Mass. Moistener for duplicating apparatus. 2,510,256, June 6.

Robinson, Harold A., assignor to The Dow Chemical Company, Midland, Mich. Inhibited hydrochloric acid. 2,499,283, Feb. 28.

Robinson, Henry G., Lakewood, assignor to The Lamson & Sessions Company, Cleveland, Ohio. Master sheet clamping means for duplicating machines. 2,502,278, Mar. 28.

Robinson, Hugh S., Aurora, Ill. Timed fuel injection system. 2,516,147, July 25.

Robinson, Ivan M., and G. J. Janz, McMasterville, Quebec, assignors to Canadian Industries Limited, Montreal, Quebec, Canada. Preparation of 2-cyanopyridines. 2,494,204, Jan. 10.

Robinson, James, Huntington Woods, and C. V. Losey, Ferndale, assignors to Vickers Incorporated, Detroit, Mich. Power transmission. 2,533,047, Dec. 5.

Robinson, James E., Sacramento, Calif. Booster seat for chairs. 2,515,527, July 18.

Robinson, James N.: *See*— Richardson, David A., Robinson, Martin, and Duer.

Robison, Jehu M., Houston, Tex. Antral pressure device. 2,525,183, Oct. 10.

Robinson, Jeremiah S.: *See*— Robinson, Charlotte and J. S.

Robinson, John G., administrator: *See*— Smith, A. W.

Robinson, Kenneth I.: *See*— Cipriani, Chester, Robinson, and Eaton.

Robinson, Kyle I.: *See*— Robinson, Lawrence R. and K. I., Berger, and Lang.

Robinson, Lawrence R., Mount Lebanon, K. I. Robinson, Glenshaw, E. O. Berger, Bellevue, and W. S. Lang, assignors to Pittsburgh Pipe Cleaner Company, Pittsburgh, Pa. Sewer bucket emptying hoist. 2,502,503, Apr. 4.

Robinson, Lawrence R., Mount Lebanon, K. I. Robinson, Glenshaw, E. O. Berger, Bellevue, and W. S. Lang, assignors to Pittsburgh Pipe Cleaner Company, Pittsburgh, Pa. Plowlike scraper for cleaning interior surfaces of water mains and other pipes. 2,504,730, Apr. 18.

Robinson, Lawrence R., Mount Lebanon, K. I. Robinson, Glenshaw, E. O. Berger, Bellevue, and W. S. Lang, assignors to Pittsburgh Pipe Cleaner Company, Pittsburgh, Pa. Pipe-cleaning seal. 2,514,339, July 4.

Robinson, Lowell, assignee: *See*— Sheren, Glenn W.

Robinson, Lynn A., assignee: *See*— Rogers, Quentin W.

Robinson, Margaret R., assignee: *See*— Robinson, Stuart H.

Robinson, Marion B., Great Neck, N. Y. Directed missile. 2,520,433, Aug. 29.

Robinson, Maurice C., Royal Oak, assignor to Chrysler Corporation, Highland Park, Mich. Control for motor vehicle transmissions. 2,532,945, Dec. 5.

Robinson, McMillan, Evanston, Ill. Engine starting device. 2,513,364, July 4.

Robinson, Melvin O.: *See*— Glesner, Joseph G., and Robinson.

Robinson, Merrill P., Upper Montclair, and J. F. Sebald, Bloomfield, assignors to Worthington Pump and Machinery Corporation, Harrison, N. J. Apparatus for water purification. 2,523,523, Sept. 26.

Robinson, Myrtle F., Baltimore, Md. Slip-on heel-splash guard for footwear. 2,521,021, Sept. 5.

Robinson, Philip W., assignor to Frazier-Simplex, Inc., Washington, Pa. Tank level control. 2,503,770, Apr. 11.

Robinson, Preston, Williamstown, assignor to Sprague Electric Company, North Adams, Mass. Soldering iron tip. 2,501,616, Mar. 21.
Robinson, Preston, Williamstown, and H. J. St. Denis, assignors to Sprague Electric Company, North Adams, Mass. Producing electrical condensers. 2,526,688, Oct. 24.
Robinson, Preston, Williamstown, and C. C. Reid, Boston, assignors to Sprague Electric Company, North Adams, Mass. Halogenated aromatic compounds. 2,530,080, Nov. 14.
Robinson, Preston, Williamstown, W. M. Allison, North Adams, and N. E. Beverly, Williamstown, assignors to Sprague Electric Company, North Adams, Mass. Impulse generating system and network therefor. 2,535,093, Dec. 26.
Robinson, Richard S., Gloucester, Mass., assignor, by mesne assignments, to Raytheon Manufacturing Company. Heat exchanger. 2,514,797, July 11.
Robinson, Richard S., Gloucester, Mass., assignor, by mesne assignments, to Raytheon Manufacturing Company. Producing dispersions. 2,524,573, Oct. 3.
Robinson, Robert A.: *See*—
Suthard, James G., and Robinson.
Robinson, Russell I.: *See*—
Wieseman, Theodore R., Robinson, and Rathbun.
Robinson, Sam P.: *See*—
Weber, Louis J., and Robinson.
Robinson, Sam P., Bartlesville, Okla., assignor to Phillips Petroleum Company. Hydrocarbon cracking process and apparatus using pebble heater with jet ejector. 2,500,870, Mar. 14.
Robinson, Sam P., Bartlesville, Okla., assignor to Phillips Petroleum Company. Pebble heater throat device. 2,514,722, July 11.
Robinson, Sam P., Bartlesville, Okla., assignor to Phillips Petroleum Company. Manufacture of improved ammonium sulfate crystals. 2,516,420, July 25.
Robinson, Sam P., Bartlesville, Okla., assignor to Phillips Petroleum Company. Separation of gases. 2,527,964, Oct. 31.
Robinson, Sam P., Bartlesville, Okla., assignor to Phillips Petroleum Company. Pebble heating chamber. 2,534,625, Dec. 19.
Robinson, Sam P., and L. C. Bearer, Bartlesville, Okla., assignors to Phillips Petroleum Company. Pebble heating chamber. 2,530,731, Nov. 21.
Robinson, Samuel T., Jr., assignor to Wyandotte Chemicals Corporation, Wyandotte, Mich. Solid carbon dioxide cake packaging apparatus. 2,507,996, May 16.
Robinson, Sirman, Tacoma, Wash. Emergency alarm system. 2,520,340, Aug. 29.
Robinson, Stuart H., Peekskill, N. Y., assignor of one-half to M. R. Robinson. Shipping container. 2,523,145, Sept. 19.
Robinson, Thomas, New York, and C. H. Bascom, Richmond, assignors to Lancaster Processes, Inc., New York, N. Y. Emulsifier and making same. 2,499,002, Feb. 28.
Robinson, Thomas E., Grosse Pointe, and F. H. Hartlep, assignors to Houdaille-Hershey Corporation, Detroit, Mich. Apparatus for buffing bumper bars. 2,516,256, July 25.
Robinson, Walter F.: *See*—
Nelson, Frank A., Berry, Robinson, and Orendorff.
Robinson, Ward A., Upton, Mass. Device for extracting kernels from green corn. 2,509,452, May 30.
Robinson, William A., assignee: *See*—
Wallace, William M.
Robinson, William D., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polyvinyl acetate emulsions containing glyoxal. 2,510,257. June 6.
Robinson, William L., Anniston, Ala., assignor to Monsanto Chemical Company, St. Louis, Mo. Producing monocalcium phosphate containing a high P_2O_5 content. 2,514,973, July 11.
Robinson, William M., Fairhaven, Mass., assignor to Cornell-Dubilier Electric Corporation, South Plainfield, N. J. Noise filter. 2,506,971, May 9.
Robishaw, Alces P., assignor to C. N. Housh, Houston, Tex. Adjustable pipe rack. 2,534,682, Dec. 19.
Robitaille, Martial J., Cleveland, Ohio. Scissors sharpening device. 2,499,331, Feb. 28.
Roblee, Milton A., assignor to Chain Belt Company, Milwaukee, Wis. Pusher conveyer. 2,509,529, May 30.
Robot Appliances, Inc., assignee: *See*—
Brouse, Harold L.
Robotron Corporation, assignee: *See*—
Rockafellow, Stuart C.
Robrecht, Charles J., Short Hills, and C. W. Smith, Plainfield, N. J., assignors to Standard Oil Development Company. Reducing foam in acid concentrators. 2,530,954, Nov. 21.
Robshaw, Walter A., Wrexham, Wales, assignor to Monsanto Chemical Company, St. Louis, Mo. Manufacture of organic monosulfides. 2,499,975, Mar. 7.
Robson Corporation, The, assignee: *See*—
Peckham, Charles.
Robson, James T., Richmond Heights, assignor to Ferro Enamel Corporation, Cleveland, Ohio. Salt glazing apparatus. 2,514,143, July 4.
Robson, James T., Richmond Heights, assignor to Ferro Enamel Corporation, Cleveland, Ohio. Kiln structure. 2,525,101, Oct. 10.
Robuck, Edmund R.: *See*—
Winchel, Henry T., and Robuck.
Roc-a-Ride Corporation, assignee: *See*—
Williams, Harry S.
Rocca, Julius P.: *See*—
Young, David W., and Rocca.
Rocca, Leo J., Washington, D. C. Folding desk and seat. 2,530,785. Nov. 21.
Rocchini, Albert G., Springdale, and R. J. Neely, Oakmont, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Lubricating metal surfaces during cold-working. 2,529,188, Nov. 7.
Rocchini, Albert G., Springdale, and R. J. Neely, Oakmont, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Lubricating metal surfaces during cold working. 2,529,189, Nov. 7.
Rocchini, Albert G., Springdale, and R. J. Neely, Oakmont, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Lubricating metal surfaces during cold working. 2,529,190, Nov. 7.
Rocchini, Albert G., Springdale, and R. J. Neely, Oakmont, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Cold-working lubricant and lubricating metal surfaces therewith. 2,529,191, Nov. 7.
Rochat, Jean, Mont-la-Ville, Switzerland. Making weld rods. 2,500,380, Mar. 14.
Roche, Clifton R., Los Angeles, Calif. Engine starter. 2,528,711, Nov. 7.
Rochelle, Joseph B., Sr., Good Hope, La. Header for ice freezing apparatus. 2,514,723, July 11.
Rochester Institute of Technology, assignee: *See*—
Bennett, Charles W., and Alexander.
Rochester, Nathaniel, Milton, assignor to Sylvania Electric Products Inc., Salem, Mass. Flash producing apparatus. 2,517,031, Aug. 1.
Rochester, Nathaniel, South Hamilton, assignor to Sylvania Electric Products Inc., Salem, Mass. Range and direction finding apparatus. 2,511,599, June 13.
Rochester Optical Manufacturing Co., Inc., assignee: *See*—
Gullen, James J.
Rochester Shoe Tree Co., Inc., assignee: *See*—
Britton, Orson J.
Rochester Telephone Corporation, assignee: *See*—
Gordon, Harry E.
Rochette, René E., Montfort-le-Rotrou, and R. Daligault, Paris, France. Apparatus for ensuring the inhalation of a gas. 2,517,241, Aug. 1.
Rochow, Eugene G., Schenectady, N. Y., assignor to General Electric Company. Methyl germanium compounds and preparing the same. 2,506,386, May 2.
Rochwite, Seton I., Wauwatosa, assignor to David White Company, Milwaukee, Wis. Device for mounting pictures. 2,524,178, Oct. 3.
Rock, Joseph, Jr., North Syracuse, assignor to Crouse-Hinds Company, Syracuse, N. Y. Box cover assembly. 2,498,135, Feb. 21.
Rockafellow, Stuart C., Farmington, assignor to Robotron Corporation, Detroit, Mich. Control by capacitor discharge blocking. 2,516,422, July 25.
Rockafellow, Stuart C., Farmington, assignor to Robotron Corporation, Detroit, Mich. Pulse timed holding relay. 2,517,242, Aug. 1.
Rockbestos Products Corporation, assignee: *See*—
Moore, Harold S., and Berlepsch.
Rocker, Elmer, Shaker Heights, assignor to Century Plastic Products, Inc., Cleveland, Ohio. Toilet seat. 2,493,362. Jan. 3.
Rockford Machine Tool Company, assignee: *See*—
Herrstrum, Rudolph E.
Herrstrum, Rudolph E., and Bjorklund.
Rockhurst College, assignee: *See*—
De Vilbiss, John A.
Rockoff, Joseph, Dayton, Ohio, assignor to The Dayton Rubber Company. Making roll coverings. 2,500,573, Mar. 14.
Rockola, David C., assignor, by mesne assignments, to The Rock-Ola Manufacturing Corporation, Chicago, Ill. Indicator. 2,500,381, Mar. 14.
Rockola, David C., assignor, by mesne assignments, to Rock-Ola Manufacturing Corporation, Chicago, Ill. Resilient mounting for phonographs. 2,520,341, Aug. 29.
Rockola, David C., assignor, by mesne assignments, to Rock-Ola Manufacturing Corporation, Chicago, Ill. Bracket for remote control units. 2,531,645, Nov. 28.
Rockola, David C., assignor, by mesne assignments to Rock-Ola Manufacturing Corporation, Chicago, Ill. Door structure. 2,531,646, Nov. 28.
Rock-Ola Manufacturing Corporation, assignee: *See*—
Rockola, David C.
Rock-Ola Manufacturing Corporation, The, assignee: *See*—
Rockola, David C.
Rock River Cotton Company, assignee: *See*—
Erikson, Donald M.
Rockwell, Edward A., Cleveland, Ohio, assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill. Hydraulic motor operated clutch. 2,501,005, Mar. 21.
Rockwell, Edward A., Cleveland, Ohio. Balanced control valve. 2,505,578, Apr. 25.
Rockwell, Edward A., Cleveland, Ohio. Diaphragm power unit. 2,509,840, May 30.

Rockwell, Edward A., Cleveland, Ohio. Hydraulic controlled apparatus for applying power with travel control. 2,525,426, Oct. 10.
Rockwell, Edward A., Shaker Heights, Ohio. Fluid operated pressure intensifier. 2,520,374, Aug. 29.
Rockwell, Edward A., Shaker Heights, Ohio. Controlling mechanism. 2,525,427, Oct. 10.
Rockwell, Edward A., Shaker Heights, Ohio, assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill. Compact power unit. 2,532,462, Dec. 5.
Rockwell, Eileen A., assignor to The La Resista Corset Company, Bridgeport, Conn. Undergarment. 2,503,636, Apr. 11.
Rockwell, Gaynor O., Houston, Tex., assignor to the United States of America as represented by the Secretary of the Navy. Hydrostatic fuse. 2,532,645, Dec. 5.
Rockwell, Harvey W., assignor to La Plant-Choat Manufacturing Co., Inc., Cedar Rapids, Iowa. Hydraulically operated clutch and brake unit for winding reels. 2,506,842, May 9.
Rockwell, Harvey W., assignor to La Plant-Choate Manufacturing Co., Inc., Cedar Rapids, Iowa. Steering mechanism. 2,521,652, Sept. 5.
Rockwell Manufacturing Company, assignee: *See*—
Freidag, William F., and Walter.
Gilmore, Edward R.
Scherer, George F.
Rockwell, Ruth H., Wichita, Kans. Rubber shoulder pad. 2,519,401, Aug. 22.
Rockwood, Arthur C., Wisconsin Rapids, and B. E. Hill, Pewaukee, Wis. Acid dispenser. 2,499,976, Mar. 7.
Rockwood, George I., Worcester, Mass. Lateraly shiftable gearing for lift mechanisms. 2,528,179, Oct. 31.
Rockwood Sprinkler Company, assignee: *See*—
Freeman, Howard G., and Kosciusko.
Rocky Mountain Metal Products Co., assignee: *See*—
Brusse, Archie B.
Rodak, Stanley, Pensacola, Fla. Flint holding and feeding mechanism for lighters. 2,501,918, Mar. 28.
Rodanet, Charles H. H., Neuilly-sur-Seine, assignor to Societe Anonyme Etablissements Ed. Jaeger, Levallois-Perret, France. Lighter. 2,497,137, Feb. 14.
Rodanet, Charles H. H., Neuilly-sur-Seine, France, assignor to Societe Anonyme Etablissements Ed. Jaeger. Mount for various instruments, such as measuring apparatus. 2,518,068, Aug. 8.
Rodanet, Charles H. H., Neuilly-sur-Seine, assignor to Etablissements Ed. Jaeger, Levallois-Perret, France. Control switch for turn indicators in motor vehicles. 2,518,722, Aug. 15.
Rodanet, Charles H. H., Neuilly-sur-Seine, France, assignor to Societe Anonyme: Jaeger Aviation. Electrical device for repeating or transmitting angular displacements. 2,530,992, Nov. 21.
Rodd, Houston B., Trona, Calif. Accelerator pedal attachment. 2,521,606, Sept. 5.
Rodder, William, assignor to The Aetna-Standard Engineering Company, Youngstown, Ohio. Bending and straightening machine. 2,503,597, Apr. 11.
Rode, Fredrich J., and M. R. Hatch, assignors to The Verson Corporation, Toledo, Ohio. Double action toggle press. 2,504,089, Apr. 11.
Rodeck, Armin H., Watertown, N. Y. Refrigerating device. 2,515,840, July 18.
Rodeck, Armin H., and A. G. Massey, assignors to Massey Machine Company, Watertown, N. Y. Self-compensating pilot means for hydraulic governors. 2,516,723, July 25.
Rodert, Lewis A., Indianapolis, Ind., assignor to Stewart-Warner Corporation, Chicago, Ill. Automobile heating system. 2,523,923, Sept. 26.
Rodert, Lewis A., Indianapolis, Ind., assignor to Stewart-Warner Corporation, Chicago, Ill. Heating and ventilating system. 2,533,509, Dec. 12.
Rodgen, Beatrice: *See*—
Rodgen, Max and B.
Rodgen, Max and B., White Plains, N. Y. Pinless diaper. 2,494,312, Jan. 10.
Rodger, Robert M., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Piston. 2,506,811, May 9.
Rodgers, Coleman D.: *See*—
Janson, Harry W., and Rodgers.
Rodgers, Dominick, Pittsburgh, Pa. Fishing rod support. 2,515,426, July 18.
Rodgers, Howard C.: *See*—
Lathem, Guy W., and Rodgers.
Rodgers, Howard C., Birmingham, Ala., assignor to Tennessee Coal, Iron and Railroad Company. Hot dip tinning. 2,533,048, Dec. 5.
Rodgers, Janet W., assignee: *See*—
Rodgers, Thomas T.
Rodgers, John A., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic sound track scanning apparatus with light flicker compensation. 2,496,959, Feb. 7.
Rodgers, Lionel M., Springfield Township, Montgomery County, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Position indication and control system for moving objects or vehicles. 2,535,162, Dec. 26.
Rodgers, Robert H., Arlington, and A. B. McKinney, Fort Worth, Tex. Ratchet wrench. 2,527,033, Oct. 24.
Rodgers, Thomas T., deceased, Milwaukee, Wis.; T. T. Rodgers, Jr., executor of said T. T. Rogers, assignor to J. W. Rodgers, Milwaukee, Wis. Lubricant coolant solution. 2,533,328, Dec. 12.
Rodgers, Thomas T., Jr., executor: *See*—
Rodgers, Thomas T.
Rodhe, Sven M., assignor to Telefonaktiebolaget L M Ericsson, Stockholm, Sweden. Frequency modulator. 2,524,992, Oct. 10.
Rodic Rubber Corporation, assignee: *See*—
Edland, Laurence.
Rodier, Robert F., assignee: *See*—
Duhaime, Edward J.
Rodier, Robert S., assignee: *See*—
Duhaime, Edward J.
Rodin, Robert, assignor of two-thirds to W. V. Rodin, and L. Helfenstein, Philadelphia, Pa. Nursing bottle holder. 2,494,632, Jan. 17.
Rodin, W. Victor, assignee: *See*—
Rodin, Robert.
Rodman, Clarence J., Alliance, Ohio. Bathtub and producing the same. 2,534,146, Dec. 12.
Rodman, Clarence J., Alliance, Ohio. Bathtub. 2,534,147, Dec. 12.
Rodman, Nelson J., Bridgeton, assignor to Wheaton Glass Company, Millville, N. J. Surface treating glass containers. 2,525,725, Oct. 10.
Rodman, Perry W., Bridgeport, Conn. Moisture conditioning tobacco container. 2,505,650, Apr. 25.
Rodman, Sayre, Oakmont, Pa., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Dissolving low viscosity diolefin polymers. 2,495,135, Jan. 17.
Rodman Trading Corp., assignee: *See*—
Arbetman, Arthur.
Rodnesky, Joseph, Tuscaloosa, Ala. Fuel preheater. 2,528,081, Oct. 31.
Rodoliakis, Jean and Jerome, Paris, France. Tight joint for pistons. 2,531,296, Nov. 21.
Rodoliakis, Jerome: *See*—
Rodoliakis, Jean and Jerome.
Rodrick, Jessie G., assignee and executrix: *See*—
Rodrick, Raymond A.
Rodrick, Raymond A., deceased, Akron, Ohio; J. G. Rodrick, executrix of said R. A. Rodrick, assignor to J. G. Rodrick, Vermillion, Ohio. Signal device for vehicles. 2,526,611, Oct. 17.
Rodrigues, John B.: *See*—
Frank, Manuel M., Sr., and Rodrigues.
Rodrigues, Octavius V., Tampa, Fla. Razor. 2,521,481, Sept. 5.
Rodriguez, Antonio R., Oak Park, Ill., assignor to Zenith Radio Corporation. Barium titanate-stannic oxide ceramic. 2,533,140, Dec. 5.
Rodriguez, Joseph M., Brooklyn, N. Y. Clothespin. 2,523,780, Sept. 26.
Rodriquez, Julius C., Los Angeles, Calif. Fuse contact cleaning device. 2,503,299, Apr. 11.
Rodwell Engineering and Sales Company, assignee: *See*—
Whitehouse, Ben.
Rodwell, Frederick J., Moose Jaw, Saskatchewan, Canada. Automatic drain trap. 2,531,991, Nov. 28.
Rody, Frederick A.: *See*—
McDonald, Scott C., and Rody.
Roe, A. V., Canada Limited, assignee: *See*—
Luttman, Horace C.
Roe, Arthur S., Chapel Hill, N. C., assignor to Eli Lilly and Company, Indianapolis, Ind. Fluorinated nicotinic compounds. 2,516,830, July 25.
Roe, Eloise T., assignee: *See*—
Lord, Francis L.
Roe, Eloise T., Pleasantville, N. Y. Supplemental lining. 2,514,515, July 11.
Roe, James F., Salt Lake City, Utah. Air conditioner. 2,508,839, May 23.
Roe, John H., Collingswood, N. J., assignor to Radio Corporation of America. Antenna. 2,511,221, June 13.
Roe, William A., Clay Center, Kans. Cuticle remover. 2,516,423, July 25.
Roe William C., assignor to The Colson Corporation, Elyria, Ohio. Adapter. 2,520,375, Aug. 29.
Roebling's, John A., Sons Company, assignee: *See*—
Green, Richard D.
Lewis, Dartrey.
Roec (Proprietary) Limited, assignee: *See*—
Reid, William H. P.
Roed, Thorvald, Detroit, Mich. Double-ended resilient fastener. 2,495,348, Jan. 24.
Roedding, Gordon E., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Spotlight switch. 2,497,034, Feb. 7.
Roedding, Gordon E., and H. C. Mead, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Parking brake. 2,507,997, May 16.
Roedel, Milton J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerization of ethylene. 2,497,323, Feb. 14.
Roedel, Milton J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polyperoxide catalysts in ethylene polymerization. 2,511,480, June 13.
Roedel, Milton J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Catalyzed ethylene polymerizations. 2,519,791, Aug. 22.
Roeder, Frank H., assignee: *See*—
Kraker, Bernard I.

Roeder, William O., Oshkosh, Wis. Sportsman's pocket-size collapsible tree seat. 2,512,174, June 20.
Roehl, Edward J.: *See*—
Rogge, Robert H., and Roehl.
Roehl, Edward J., Little Silver, N. J., assignor to The International Nickel Company, Inc., New York, N. Y. Nickel plating. 2,504,239, Apr. 18.
Roehl, William J., Kirkwood, Mo. Pipe clamp. 2,528,180, Oct. 31.
Roehler, Otto F.: *See*—
Porter, Daryl W., and Roehler.
Roehm, Erwin G.: *See*—
Romaine, Millard, and Roehm.
Roehner, Theodore G., Mount Vernon, and C. D. Thayer, Baldwin, N. Y., assignors to Socony-Vacuum Oil Company, Incorporated. Inhibiting fretting corrosion. 2,533,840, Dec. 12.
Roehr, Zbislaw M., assignor to Mizzy, Inc., New York, N. Y. Hypodermic syringe. 2,531,893, Nov. 28.
Roehrig, John, Pittsburgh, Pa. Vehicle spring suspension. 2,510,418, June 6.
Roehrl, Bruno C., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Film mount. 2,527,765, Oct. 31.
Roehrl, Bruno C., assignor to National Organ Supply Company, Erie, Pa. Picture frame. 2,523,816, Sept. 26.
Roelfs, William H., Diller, Nebr. Posthole digger. 2,533,957, Dec. 12.
Roelofs, Roelof, assignor to C. J. van Leeuwen, Delft, Netherlands. Solar attachment for theodolites. 2,506,037, May 2.
Roemer, Arthur K.: *See*—
Harrison, Arthur E., and Roemer.
Roemer, John J.: *See*—
Kropa, Edward L., and Roemer.
Roemke, Henry C.: *See*—
Goss, Wesley R., and Roemke.
Roen, Clarence W., El Cerrito, Calif., assignor to Precision Chemical Corporation, New York, N. Y. Manufacture of mercuric oxide. 2,521,949, Sept. 12.
Roesch, Fritz, Lucerne, Switzerland. Variable pitch propeller operating mechanism for marine propulsion plants. 2,501,617, Mar. 21.
Roesch, Fritz, Lucerne, Switzerland. Ship's propeller with blades adjustable during service. 2,517,714, Aug. 8.
Roesch, Fritz, Lucerne, Switzerland. Marine propulsion plant. 2,525,460, Oct. 10.
Roesch, Rudolph G.: *See*—
Carpenter, Louis M., and Roesch.
Roesen, Oscar C., Scarsdale, N. Y., C. L. Ricards, South Plainfield, and P. L. Tollison, North Plainfield, assignors to Wood Newspaper Machinery Corporation, Plainfield, N. J. Stereotype plate forming and finishing machine. 2,531,647, Nov. 28.
Roesner, John O., assignor to The Exhibit Supply Company, Chicago, Ill. Double-acting snap switch. 2,518,255, Aug. 8.
Roessler, Albert B., Jr., North College Hill, Ohio. Lethal animal trap. 2,518,819, Aug. 15.
Roessler, Charles E., Jr., assignor to Automatic Temperature Control Co., Inc., Philadelphia, Pa. Rebalancing telemetering system. 2,516,092, July 18.
Roessner, William L., Denver, Colo. Garment construction. Re. 23,225, May 2.
Roest, Arie and J., Amsterdam, Netherlands. Slicing machine having cutter disk with planetary movement. 2,528,914, Nov. 7.
Roest, Jacobus: *See*—
Roest, Arie and J.
Roethel Engineering Corporation, assignee: *See*—
Roethel, John H.
Roethel, John H., assignor to Roethel Engineering Corporation, Detroit, Mich. Ice tray. 2,497,743, Feb. 14.
Roethel, John H., assignor to Roethel Engineering Corporation, Detroit, Mich. Ice tray. 2,498,964, Feb. 28.
Roethel, John H., assignor to Roethel Engineering Corporation, Detroit, Mich. Ice tray. 2,498,965, Feb. 28.
Roethel, John H., Detroit, Mich. Door lock. 2,499,111, Feb. 28.
Roethel, John H., Detroit, Mich. Latch bolt keeper. 2,499,165, Feb. 28.
Roethel, John H., assignor to Roether Engineering Corporation, Detroit, Mich. Ice tray. 2,520,892, Aug. 29.
Roetheli, Bruno E., Cranford, N. J., assignor to Standard Oil Development Company. Burning lime. 2,498,710, Feb. 28.
Roetheli, Bruno E., Cranford, N. J., assignor to Standard Oil Development Company. Handling fuels. 2,527,575, Oct. 31.
Roetter, Robert P., Westmont, N. J., assignor to Radio Corporation of America. Radar target distance indicator. 2,521,804, Sept. 12.
Rogant, Humbert R., Willoughby, Ohio. Traction lug. 2,522,132, Sept. 12.
Rogatz, Pearl M., Milwaukee, Wis. Apparatus for holding infants. 2,495,482, Jan. 24.
Roger, Henri, Sezanne, France. Optical device for cinematographic projection apparatus with continuous unrolling of the film. 2,498,580, Feb. 21.
Rogers, Andrew E., Kansas City, Mo. Anchor bar. 2,506,893, May 9.
Rogers, Arthur H.: *See*—
Dean, Elliott D., and Rogers.
Rogers, Arthur O.: *See*—
Scott, Norman D., and Rogers.
Rogers, Arthur P., Harris, N. Y. Telescopic sight lens cover. 2,534,061, Dec. 12.
Rogers, Carl, Port Sandfield, Ontario, Canada. Sanding device. 2,529,105, Nov. 7.
Rogers, Charles A., Waco, Tex. Tent pole connector. 2,495,423, Jan. 24.
Rogers, Daniel, White Plains, N. Y. Device for securing oars in a rowboat. 2,497,797, Feb. 14.
Rogers, Dilworth T., Summit, N. J., assignor to Standard Oil Development Company. Purifying sulfurized hydrocarbon. 2,497,138, Feb. 14.
Rogers, Dilworth T., Summit, N. J., assignor to Standard Oil Development Company. Stabilization of xylidene. 2,512,504, June 20.
Rogers, Dilworth T., Summit, and J. G. McNab, Cranford, N. J., assignors to Standard Oil Development Company. Metal-containing organic compound. 2,518,379, Aug. 8.
Rogers, Dilworth T., Summit, and J. G. McNab, Cranford, N. J., assignors to Standard Oil Development Company. Hydrocarbon lubricant containing sulfurized aliphatic borates as stabilizers. 2,526,506, Oct. 17.
Rogers, Douglas C., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Impedance matching transformer. 2,512,681, June 27.
Rogers, Edward F., New York, N. Y., assignor to Merck & Co., Inc., Rahway, N. J. Extracting aconitine. 2,521,805, Sept. 12.
Rogers, Edwin J.: *See*—
Austin, Chester R., and Rogers.
Rogers, Eugene D., Key West, Fla. Cigarette lighter. 2,509,251, May 30.
Rogers, Francis H., Kenley, England. Sampling apparatus, more particularly for use in vessels under pressure. 2,532,946, Dec. 5.
Rogers, Frank J.: *See*—
Tobin, Max, and Rogers.
Rogers, Gail C.: *See*—
Crawford, Richard A., and Rogers.
Rogers, George L., Schenectady, N. Y., assignor to General Electric Company. Frequency responsive control system. 2,494,357, Jan. 10.
Rogers, Gordon F., New Hyde Park, N. Y., assignor to Radio Corporation of America. Beam deflection system for cathode-ray devices. 2,517,715, Aug. 8.
Rogers Imports, Inc., assignee: *See*—
Saltz, Morris A.
Rogers Industries, Inc., assignee: *See*—
Etti, Joseph.
Rogers, Joseph H., Hyattsville, Md. Extensible and retractable shield for camera lenses and filters. 2,498,581, Feb. 21.
Rogers, Laura A., Cambridge, Mass. Cuticle pusher. 2,513,208, June 27.
Rogers, Leonard, New York, and R. Rogers, Bronx, N. Y. Circuit testing device. 2,517,032, Aug. 1.
Rogers, Louis, Brooklyn, N. Y. Fluorescent electric lamp. 2,505,993, May 2.
Rogers, Louis F., and M. S. Ebert, Wilmington, Del., assignors to Continental Can Company, Inc., New York, N. Y. Making closure elements. 2,516,647, July 25.
Rogers, Marcus D., Lakewood, assignor to Industrial Rayon Corporation, Cleveland, Ohio. Manufacture of regenerated cellulose materials. 2,521,748, Sept. 12.
Rogers, Margaret M., Crane, Ind. Note name finder for use by students of music. 2,516,485, July 25.
Rogers, Paul I., Richmond Hill, N. Y. Package of adhesive bandages or the like. 2,522,963, Sept. 19.
Rogers, Quentin W., Eugene, Oreg., assignor of one-tenth to L. A. Robinson, Seattle, Wash. Hair curler. 2,523,062, Sept. 19.
Rogers, Raphael: *See*—
Rogers, Leonard and R.
Rogers, Raymond A.: *See*—
Fischer, Paul W., and Rogers.
Rogers, Verner F., Denver, Colo. Drill case. 2,513,894, July 4.
Rogge, Robert H., Evanston, Ill., and E. J. Roehl, Little Silver, N. J., assignors to The International Nickel Company, Inc., New York, N. Y. Nickel plating. 2,494,205, Jan. 10.
Roggensack, Lutie A., Fargo, N. Dak. Forming screw jacks with concrete bases. 2,535,956, Dec. 26.
Roggenstein, Edwin O., Ilion, assignor to Remington Rand Inc., New York, N. Y. Record sensing device of the capacitive type for use with business machines. 2,512,879, June 27.
Roggenstein, Edwin O., Ilion, assignor to Remington Rand Inc., Buffalo, N. Y. Electrically operated printing mechanism for recording and computing machines. 2,518,376, Aug. 8.
Roggenstein, Edwin O., Ilion, assignor to Remington Rand Inc., Buffalo, N. Y. Power-operated differential mechanism. 2,518,377, Aug. 8.
Roggenstein, Edwin O., Ilion, assignor to Remington Rand Inc., New York, N. Y. Totalizer sensing mechanism. 2,518,378, Aug. 8.
Rogne, Carl T., assignor to A. R. Segal, Milwaukee, Wis. Flush circular saw mounting. 2,512,970, June 27.

Rogoff, Julian, New Rochelle, N. Y., assignor to Burndy Engineering Company, Inc. Soldered aluminum-to-copper connection. 2,513,365, July 4.

Rogoff, Julian, New Rochelle, N. Y., assignor to Burndy Engineering Company, Inc. Compressible insulated connector. 2,526,277, Oct. 17.

Rogoff, Julian, New Rochelle, N. Y., assignor to Burndy Engineering Company, Inc. Partially insulated electrical terminal. 2,533,200, Dec. 5.

Rogoff, Mortimer: *See*—
Wallace, Fred C., and Rogoff.

Rohde, Sven M., assignor to Telefonaktiebolaget L M Ericsson, Stockholm, Sweden. Transmitter with frequency modulation. 2,504,050, Apr. 11.

Rohdin, Howard A.: *See*—
Chavannes, Marc A., and Rohdin.

Rohland, Curt J., Seekonk, Mass., assignor to Fram Corporation. Filter. 2,501,582, Mar. 21.

Rohlm Manufacturing Company, Inc., assignee: *See*—
Sarver, Emmett F.

Rohm & Haas Company, assignee: *See*—
Auten, Robert W.
Beavers, Ellington M.
Beavers, Ellington M., and Conyne.
Bock, Louis H., and de Benneville.
Bock, Louis H., and Rainey.
Bortnick, Newman M.
Bruson, Herman A.
Bruson, Herman A., and Niederhauser.
Butterbaugh, Darrel J.
Butterbaugh, Darrel J., and Bortnick.
Carmack, Marvin, and De Tar.
Craig W E, and Hester.
Croxall, Willard J., and Fegley.
Croxall, Willard J., and Freimiller.
Croxall, Willard J., and Schneider.
Croxall, Willard J., and Van Hook.
De Benneville, Peter L.
De Benneville, Peter L., Armstrong, and Bock.
De Benneville, Peter L., and Bock.
De Benneville, Peter L., Bock, and Gormly.
De Benneville, Peter L., and Gormly.
De Bruyne, Norman A.
Egolf, Charles B.
Evers, William L.
Fegley, Marian F., and Croxall.
Glavis, Frank J., and Neher.
Hester, William F., and Craig.
Hollander, Charles S., and Bock.
Houk, Alva L., and Bock.
Hurd, Loren C., and Riley.
Kelley, Everett J., and Neher.
Levesque, Charles L.
Majewski, Frank M.
McKeever, Charles H., and Agnew.
Meitzner, Erich F.
Merrill, David R., and Perry.
Meunier, Vincent C., and Cox.
Myers, Robert J.
Neher, Harry T., Conn, and Kroeker.
Neher, Harry T., Croxall, and Kroeker.
Niederhauser, Warren D.
Niederhauser, Warren D., and Bruson.
Rothrock, David A., Jr., and Conyne.
Schneider, Eugene S.
Smythe, Carl V., Drake, and Neubeck.
Van Hook, John O., and Croxall.

Rohn, Charles E., Stockton, Calif. Screw operated clutch. 2,521,607, Sept. 5.

Rohner, Cynthia A., executrix: *See*—
Rohner, Leonard V., and Wood.

Rohner, Leonard V., deceased, Syracuse, N. Y., by Cynthia A. Rohner, executrix, and A. P. Wood, Syracuse, N. Y., assignors to Allied Chemical & Dye Corporation. Fertilizers and their production. 2,502,996, Apr. 4.

Rohr Aircraft Corporation, assignee: *See*—
Gross, Bernard.

Rohr, Carl P., San Antonio, Tex. Hearing aid support. 2,513,746, July 4.

Rohr, Fred H., San Diego, Calif. Flexible joint and flexible universal joint. 2,502,753, Apr. 4.

Rohr, Hans E., New Rochelle, N. Y. Light-polarizing black-out device for instrument dials. 2,511,010, June 13.

Rohr, Robert D., Freeport, Ill., assignor to First Industrial Corporation, Wilmington, Del. Snap acting device. 2,495,349, Jan. 24.

Rohrbach, George E., assignee: *See*—
Pirchio, Pasquale M.

Rohrer, John A., La Grange, Ill., assignor to H. F. Elliott, Palo Alto, Calif. Program-scheduling apparatus. 2,504,589, Apr. 18.

Rohrke, Rosa L., assignee: *See*—
Melchior, Wilhelm, and Kalina.

Rohrman, Henry E., Philadelphia, Pa. Vertical sliding sectional door and operating means therefor. 2,523,844, Sept. 26.

Rohrmann, Ewald, assignor to Eli Lilly and Company, Indianapolis, Ind. Arsine derivatives. 2,516,831, July 25.

Rohrmann, Ewald, assignor to Eli Lilly and Company, Indianapolis, Ind. Acid addition salts of 1-cyclopentyl-2-methyl-amino propane compounds and vasoconstrictor compositions thereof. 2,520,015, Aug. 22.

Rohwedder, O. F., assignee: *See*—
Petskeyes, Charles H.

Rokach, Max, Gerrards Cross, assignor to Watliff Company Limited, London, England. Commutator for rotary dynamoelectric machines. 2,516,593, July 25.

Rola Company, Inc., The, assignee: *See*—
Engholm, Bernard A.
Russell, Earl L.
Smith, Francis B.

Roland, Charles T., assignor to Hall Laboratories, Inc., Pittsburgh, Pa. Protection of metals from corrosion. 2,528,787, Nov. 7.

Roland, John: *See*—
Schwitzer, Louis, and Roland.

Roland, John R.: *See*—
Brubaker, Merlin M., Roland, and Peterson.

Roles, Duane, Roseburg, Oreg. Vacuum picker and harvester. 2,499,037, Feb. 28.

Rolf, David E., University Heights, H. D. Fowler, Jr., Euclid, and T. S. Gerspacher, Cleveland, Ohio. Artificial eye implant. 2,516,804, July 25.

Rolf, Elmer A., and H. Hoefer, Glencoe, Minn. Wagon box hoist. 2,517,716, Aug. 8.

Rolfe, George B., Chiswick, London, assignor to Evershed & Vignoles Limited, London, England. Permanent magnet generator system. 2,521,254, Sept. 5.

Rolfsen, Ole, Oslo, Norway. Rotating sintering apparatus. 2,493,421, Jan. 3.

Roll, Carlton W., Brooklyn, assignor of one-half to R. G. White, Lynbrook, N. Y. Oven with paper conveyer. 2,503,771, Apr. 11.

Rolland, John M., Chicago, Ill. Lathe dog. 2,505,007, Apr. 25.

Roller Electric & Manufacturing Co., Inc.: *See*—
Johnson, Chester W.

Roller, Paul S., Hyattsville, Md., assignor to the United States of America as represented by the Secretary of the Interior. Removing impurities from mother liquors. 2,504,154, Apr. 18.

Roll-Feeds Corporation, assignee: *See*—
Cipriano, Enrico.

Rollins, H. Beale, assignee: *See*—
Buck, Benjamin I.

Rollins, Hettie L., Colorado City, Tex. Device for supporting balls of yarn or cotton. 2,519,505, Aug. 22.

Rollins, Jackson H., Toledo, Ohio. Picture-holding device 2,506,519, May 2.

Rollman, Walter F., Cranford, N. J., assignor to Standard Oil Development Company. Controlled catalytic oxidation. 2,526,689, Oct. 24.

Rollman, Walter F., Cranford, N. J., assignor to Standard Oil Development Company. Producing a carbon monoxide and hydrogen gas mixture from carbonaceous materials. 2,527,197, Oct. 24.

Rollman, Walter F., Cranford, N. J., assignor to Standard Oil Development Company. Apparatus for gasifying carbonaceous solids. 2,527,198, Oct. 24.

Rolls Razor Limited, assignee: *See*—
Law, Edgar H.

Rolls-Royce Limited, assignee: *See*—
Allen, Francis J.
Ballantyne, David H., and Jubb.
Bedale, Paul W., and Hughes.
Bell, Frank R., Judson, and Haworth.
Griffith, Alan A.
Gresham, Harold E., and Hall.
Hall, Horace C., Gresham, Doyle, and Wilson.
Hall, Horace C., and Wheeler.
Hardy, Frederick J.
Hooker, Stanley G., and Ballantyne.
Levers, James F., Patchett, and Bowles.
Lombard, Adrian A.
Lombard, Adrian A., and Gourlay.
Morley, Frederick W. W.
Oulianoff, George.
Squires, Alan T. B. P.
Tarlton, Frank H.
West, Harold E. W.

Rolock, Incorporated, assignee: *See*—
Johnston, William A.

Rolph, Thomas W., Newark, Ohio, assignor to Holophane Company, Inc., New York, N. Y. Street lighting luminaire. 2,493,087, Jan. 3.

Rolph, Thomas W., and K. Franck, Newark, Ohio, assignors to Holophane Company, Inc., New York, N. Y. Direct lighting luminaire. 2,523,394, Sept. 26.

Rolshausen, Ferdinand W., and S. E. Swain, Houston, Tex., assignors to Standard Oil Development Company. Coring and fluid sampling device. 2,509,883, May 30.

Rom, Palmer W., Cudahy, Wis. Cooking oven. 2,502,233, Mar. 28.

Romaine, Millard, and E. G. Roehm, assignors to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Precision positioning mechanism. 2,535,957, Dec. 26.

Roman, Alfred I., New York, N. Y. Differential propeller control. 2,521,806 Sept. 12.

Roman, Alfred I., New York, N. Y. Aircraft with retractable rotary wings. 2,534,062, Dec. 12.

Roman, George, New York, N. Y. Clothes hanger. 2,530,207, Nov. 14.
Roman, John J., assignor to American Seating Company, Grand Rapids, Mich. Retracting type theater chair. 2,499,112, Feb. 28.
Roman, Joseph M., Pontiac, Mich. Resilient faceplate for recessed vise-jaws. 2,520,435, Aug. 29.
Roman, Randall: *See*—
Bridwell, John W., Roman, and Holden.
Roman, Walter G.: *See*—
Haneiko, John G., and Roman.
Roman, Walter G., Buffalo, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electronic system for operating direct-current motors from an alternating current supply. 2,504,155, Apr. 18.
Roman, Walter G., Buffalo, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electronic control system for dynamoelectric machinery. 2,530,994, Nov. 21.
Roman, Walter G., Williamsville, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electronic control system for direct-current motors. 2,530,993, Nov. 21.
Roman, Walter G., Wilkinsburg, and R. H. Best, Greensburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Protective device. 2,519,289, Aug. 15.
Romanus, Harald A. R.: *See*—
Alfven, Hannes O. G., and Romanus.
Rombach, William: *See*—
Poirier, James A., and Rombach.
Rome, Leon, New York, N. Y. Waterproof ski boot. 2,494,964, Jan. 17.
Romero, Joe E., assignee: *See*—
Fulmer, Earl M.
Romeyn, Hendrik, Jr., Nutley, and W. Ferrell, Fair Lawn, N. J., assignors to United States Rubber Company, New York, N. Y. Joining thick sheets of polyethylene. 2,520,737, Aug. 29.
Romie, Karl T., Oakland, Calif. Block forming machine. 2,524,359, Oct. 3.
Romig, John W.: *See*—
Dockerty, Stuart M., Gray, Romig, and Wisner.
Romilly, Llewellyn E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Hydrogenation of dicyanobutene to adiponitrile. 2,532,312, Dec. 5.
Romito, Joe T., Ravenna, Ohio. Refrigerator. 2,522,465, Sept. 12.
Romlein, Walter J.: *See*—
Ryan, Thomas M., and Romlein.
Rommel, William G., assignor to The Garrett Corporation, Airesearch Manufacturing Company division, Los Angeles, Calif. Steering apparatus for ships. 2,498,223, Feb. 21.
Romolt, Abe, Chicago, Ill. Handle for suitcases and the like. 2,519,604, Aug. 22.
Romoser, Willard E., assignee: *See*—
Chamberlain, Paul A., and Navratil.
Romyns, Charles J., assignor of one-half to C. J. Fletcher, Franklin, N. J. Bottle attachment for measuring doses by tipping. 2,532,787, Dec. 5.
Ronay, Bela, Annapolis, Md. Apparatus for supporting and manipulating workpieces. 2,500,204, Mar. 14.
Ronceray, Robert, Thiais, France. Air-line lubricator. 2,535,756, Dec. 26.
Ronci, Victor L.: *See*—
Ekstrand, Sture O., Maggs, and Ronci.
Clark, James E., and Ronci.
Clark, James E., Ronci, and West.
Menzel, Paul R., Ronci, and Vance.
Ronci, Victor L., Zionsville, Pa., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrode mounting for high-power electron discharge devices. 2,534,373, Dec. 19.
Ronci, Victor L., New York, and J. W. West, Jackson Heights, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Mounting of electrodes in electron discharge devices and fabrication. 2,520,016, Aug. 22.
Rones, Mae, assignor of ninety per cent to D. Seidel, Brooklyn, N. Y. Cleaning cabinet for garments. 2,520,064, Aug. 22.
Rones, Mae M., assignor of ninety per cent to D. Seidel, Brooklyn, N. Y. Window ventilator. 2,506,469, May 2.
Roney, Leonard C., assignor, by mesne assignments, to Southwestern Development Company, Los Angeles, Calif. Safety filler and vapor return valve construction. 2,516,424, July 25.
Ronk, Samuel O., assignee: *See*—
Mace, Harry W.
Ronne, Einar, Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y. Drum. 2,504,156, Apr. 18.
Ronning, Henry O.: *See*—
Sandberg, Nels H., and Ronning.
Ronning, Jacob A., Minneapolis, Minn. Sickle bar mower. 2,530,732, Nov. 21.
Ronning, Jacob A., Minneapolis, Minn. Mowing machine. 2,530,733, Nov. 21.
Ronning, Martin, St. Louis Park, assignor, by mesne assignments, to Minneapolis-Moline Company, Hopkins, Minn. Tractor and means for detachably mounting agricultural implements thereon. 2,524,083, Oct. 3.
Ronson Art Metal Works, Inc., assignee: *See*—
Aronson, Alexander H.
Burchett, Ray L.
Cibrian, Manuel.
Nissen, Warren I.
Ronzio, Louis, St. Louis, Mo. Clothes hanger with adjustable shoulder pieces. 2,505,914, May 2.
Rood, Alvin A., assignor to The Weatherhead Company, Cleveland, Ohio. Soft-seat relief valve. 2,502,279, Mar. 28.
Roode, Delanoy E., assignee: *See*—
Redinger, Clarence V.
Roodner, Sylvia, New York, N. Y. Undergarment. Re. 23,255, Aug. 15.
Roodner, Sylvia, New York, N. Y. Woman's undergarment. 2,505,504, Apr. 25.
Roodner, Sylvia, New York, N. Y. Petticoat. 2,535,459, Dec. 26.
Roofe, Elmer L., Houston, Tex. Swivel joint. 2,514,417, July 11.
Rook, James A., assignor to C. J. Fischer, Los Angeles, Calif. Knob for auto door latches. 2,512,440, June 20.
Rook, Joseph V., Coal Valley, Ill. Brake lever control for gasoline supply for motor vehicles. 2,500,619, Mar. 14.
Rooks, Arthur J.: *See*—
Barker, Melvin A., Finch, and Rooks.
Rookyard, Stanley M., Verdun, Quebec, Canada. Chrometer. 2,522,723, Sept. 19.
Rooney, Ian H.: *See*—
Picking, Alfred S. H., and Rooney.
Rooney, John L., Chicago, Ill. Adjustable eyeglasses. 2,535,321, Dec. 26.
Rooney Metal Products Corporation, assignee: *See*—
Jurgensen, August P
Rooney, Walter E., Bellingham, Wash. Double seamer. 2,522,301, Sept. 12.
Roop, Elston A., assignor to Continental Air Filters, Inc., Louisville, Ky. Air filter. 2,511,295, June 13.
Roop, Harold D., assignor to Automatic X-Ray Corporation, Los Angeles, Calif. Balanced circuits for determining the intensity of ionizing radiation. 2,513,818, July 4.
Roos, Charles J., Muskegon, Mich. Flexing tool for inserting and removing flexible window sashes. 2,502,280, Mar. 28.
Roos, Charles J., Muskegon, Mich. Jack. 2,510,717, June 6.
Roos, Charles J., Muskegon, Mich. Pegged door jamb setting equipment. 2,523,063, Sept. 19.
Roos, Delmar G., assignor to Willys-Overland Motors, Inc., Toledo, Ohio. Lubricating bearings. 2,525,373, Oct. 10.
Roos, Joe, Jr., assignor to Missouri Automatic Control Corporation, St. Louis, Mo. Control casing. 2,518,820, Aug. 15.
Roos, Raymond B., Riverside, Conn., and S. L. Galvin, North Bergen, N. J., assignors, by mesne assignments, to Thomas Lipton, Inc. Method and apparatus for dehydration. 2,528,476, Oct. 31.
Roos, William J., Sharon, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrostatic precipitator. 2,535,697, Dec. 26.
Roosa, Vernon D., Ardsley, N. Y. Manicuring device or the like. 2,524,681, Oct. 3.
Roossinov, Michael M., Leningrad, Union of Soviet Socialist Republics. Wide angle orthoscopic anastigmatic photographic objective. 2,516,724, July 25.
Root, Arthur M., Jr., Rutherford, N. J., assignor to The Patent and Licensing Corporation, New York, N. Y. Apparatus for melting rubberized bituminous compositions. 2,528,975, Nov. 7.
Root, Charles F., assignor to Chandler & Price Company, Cleveland, Ohio. Printing press having curved impression surface. 2,497,798, Feb. 14.
Root, Charles F., assignor to Chandler and Price Company, Cleveland, Ohio. Printing press having curved impression surface. 2,497,799, Feb. 14.
Root, Charles F., assignor to Chandler and Price Company, Cleveland, Ohio. Printing press having curved impression surface. 2,497,800, Feb. 14.
Root, Charles F., assignor to Chandler & Price Company, Cleveland, Ohio. Printing press having curved impression surface. 2,497,801, Feb. 14.
Root, Frank K., South Pasadena, and A. M. Garey, Glendale, Calif. Paint baking apparatus. 2,500,872, Mar. 14.
Root, John J., New York, N. Y. Temperature regulation. 2,498,864, Feb. 28.
Root, John J., New York, N. Y. Frequency multiplier. 2,503,968, Apr. 11.
Root, John J., New York, N. Y. Engine speed regulation. 2,510,296, June 6.
Root, John J., New York, N. Y. Electrolytic phonograph pickup. 2,520,812, Aug. 29.
Root, John J., New York, N. Y. Peripherally driven electroacoustical transducer. 2,535,757, Dec. 26.

Root, Morris J., and R. E. Reed, St. Paul, Minn., assignors, by mesne assignments, to R. E. Reed, Arlington Heights, Ill., doing business as The Leed Company. Chemical heating pad, particularly useful in permanent waving of human hair. 2,533,958, Dec. 12.

Root, Ralph R., Lakewood, Ohio. Sprayer. 2,512,778, June 27.

Root, Ralph R., Lakewood, Ohio. Duster. 2,514,516, July 11.

Root, Robert S., assignor to Lipe-Rollway Corporation, Syracuse, N. Y. Dual lever friction clutch. 2,496,411, Feb. 7.

Roots-Connersville Blower Corporation, assignee: *See*— Rathman, Gilbert.

Roovers, Wilhelmus A., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Fusing together glass parts. 2,512,971, June 27.

Roovers, Wilhelmus A., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Vacuum tube seal. 2,522,062, Sept. 12.

Roovers, Wilhemus A., F. Prakke, O. L. van Steenis, and I. J. M. de Jong, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electric discharge tube with locating member. 2,528,246, Oct. 31.

Roovers, Wilhelmus A., C. F. Veenemans, and O. L. van Steenis, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Apparatus for sealing-off electric discharge tubes. 2,532,860, Dec. 5.

Roper, Amund S., assignor to Bemis Bro. Bag Company, Minneapolis, Minn. Duplex bag body. 2,502,481, Apr. 4.

Roper, Eric W., Beckenham, England. Construction of bridges and the like. 2,525,726, Oct. 10.

Roper, Geo. D., Corporation, assignee: *See*— Durdin, Augustus C., III

Roper, Joseph C., Jr., Hingham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Apparatus for determination of the amount and distribution of applied pressure of shoe soles. 2,502,536, Apr. 4.

Roper, Walter F., Longmeadow, Mass. Tape dispensing machine. 2,518,069, Aug. 8.

Ropp, Irwin, New Bedford, Pa., and W. S. Blackstone, Youngstown, Ohio. Method and apparatus for heating and forging elongated metal blanks. 2,507,817, May 16.

Roquet, Raymond J. C.: *See*— Bayard, Honoré M., and Roquet.

Roquet, Raymond J. C., Meudon, and H. M. Bayard, Clamart, France. Process and apparatus for reducing the distortion in the transmission of signals. 2,515,058, July 11.

Rorrer, Thomas W., Sr., Coeburn, Va. Combination steel tie and splice bar construction. 2,514,724, July 11.

Rosa, Anthony G., Lyndhurst, N. J. Fountain pen. 2,504,353, Apr. 18.

Rosa, Leonard J.: *See*— Adler, John B., and Rosa.

Rosaen, Oscar E., Detroit, Mich., assignor to The Lodge and Shipley Company, Cincinnati, Ohio. Ironclad electromagnet with pivoted armature. 2,494,491, Jan. 10.

Rosaen, Oscar E., Detroit, Mich. Vane type hydraulic motor. 2,521,997, Sept. 12.

Rosche, John O., Cedar Rapids, Iowa, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Thermostatic switch. 2,532,859, Dec. 5.

Roschen, Harry L., Maywood, and B. J. Ortscheid and J. M. Ramsbottom, Chicago, Ill., assignors, by mesne assignments, to Swift & Company. Tenderizing meats. 2,519,931, Aug. 22.

Roschke, Erwin M., Maywood, Ill., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Phase controlled multivibrator. 2,504,354, Apr. 18.

Rosco Mfg. Co., assignee: *See*— Lovenheim, Clifford N., and A. S.

Roscoe, Merrill W.: *See*— Neighbour, Leonard B., and Roscoe.

Roscoe, Merrill W., assignor to Deere & Company, Moline, Ill. Cotton stripper. 2,533,510, Dec. 12.

Rose, Albert, Princeton, N. J., assignor to Radio Corporation of America. Television transmitting tube. 2,506,741, May 9.

Rose, Albert, Princeton, N. J., assignor to Radio Corporation of America. Storage tube and target therefor. 2,506,742, May 9.

Rose, Alfred G., Gainsborough, and K. H. Nicholls, Freshford, England. Gauging apparatus for testing parallelism. 2,534,736, Dec. 19.

Rose, Andrew G., assignor to Jervis B. Webb Company, Detroit, Mich. Adjustable pin for rivetless chains. 2,507,458, May 9.

Rose, Andrew G., assignor to Jervis B. Webb Company, Detroit, Mich. Vertical curve section for power-driven and free-wheeling trolley conveyers. 2,510,318, June 6.

Rose, Andrew G., assignor to Jervis B. Webb Company. Chain drive. 2,530,786, Nov. 21.

Rose, Anthony J., Lakewood, assignor to The Osborn Manufacturing Company, Cleveland, Ohio. Rotary brush and making same. 2,525,947, Oct. 17.

Rose, Bernard and R. L., Detroit, Mich. Protective device. 2,513,969, July 4.

Rose, Bernard Z., assignee: *See*— Sharpless, Thomas K., and Eichert.

Rose, Bernhard A., North Hollywood, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Cable seal. 2,517,717, Aug. 8.

Rose Brothers (Gainsborough) Limited, assignee: *See*— Gilbert, Joseph A.

Rose, Bruce R., Yakima, and G. M. Allen, near Yakima, Wash. Earth scraper. 2,503,415, Apr. 11.

Rose, Carl, Miami, Fla. Garbage slidable receptacle. 2,519,703, Aug. 22.

Rose, Carl G.: *See*— Bell, Albert L., and Rose.

Rose, Ernest, U. S. Navy. Punching circuit. 2,532,331, Dec. 5.

Rose, Ernest H., and A. E. Prince, Copper Cliff, Ontario, Canada, assignors to The International Nickel Company, Inc., New York, N. Y. Electronic ore sorting. 2,504,731, Apr. 18.

Rose, Eustace L., assignor to Gravely Motor Plow and Cultivator Company, Dunbar, W. Va. Rotary plow. 2,533,693, Dec. 12.

Rose, Eustace L., Charleston, assignor to Gravely Motor Plow & Cultivator Company, Dunbar, W. Va. Rotary plow. 2,532,424, Dec. 5.

Rose, Francis L.: *See*— Crowther, Albert F., Curd, and Rose. Curd, Francis H. S., Landquist, Raison, and Rose. Curd, Francis H. S., and Rose.

Rose, Fred L., assignor to The Airolite Company, Marietta, Ohio. Ventilator. 2,494,835, Jan. 17.

Rose, Harry N.: *See*— Taylor, Arthur W. C., Rose, and Anderson.

Rose, Herbert A.: *See*— Cox, Joseph H., and Rose. Pakala, William E., and Rose.

Rose, Howard E., Peninsula, assignor to The Weatherhead Company, Cleveland, Ohio. Compressor control. 2,506,743, May 9.

Rose, Howard E., Peninsula, Ohio, assignor, by mesne assignments, to Kearfott Company, Inc., New York, N. Y. Windshield wiper. 2,516,594, July 25.

Rose, Howard E., Peninsula, Ohio, assignor to Alco Valve Company, University City, Mo. Pressure controlled pump operating valve mechanism. 2,517,243, Aug. 1.

Rose, Jess C., and A. M. Franklin, Los Angeles, assignors to J. G. McAlister, Inc., Hollywood, Calif. Electric stage plug. 2,516,148, July 25.

Rose, John J., McMechen, W. Va. Planting implement. 2,531,297, Nov. 21.

Rose, Joseph K., Chicago, Ill. Light shield for oscilloscopes, television receivers, and the like. 2,496,752, Feb. 7.

Rose, Joseph K., Chicago, Ill. Album for phonograph records. 2,509,841, May 30.

Rose, Joseph P., assignor to F. L. Russell Corporation, Saugerties, N. Y. Bookbinder. 2,505,743, Apr. 25.

Rose, Julius, Ridgewood, N. Y. Motor vehicle construction. 2,507,421, May 9.

Rose, Leslie: *See*— Givens, John H., Wale, and Rose.

Rose, Martin J., San Francisco, Calif. Electric motor system. 2,526,690, Oct. 24.

Rose Marx Brassieres Ltd., assignee: *See*— Frommer, Ben.

Rose, Morris, Chicago, and J. J. Zak, Lombard, assignors to Kellogg Switchboard and Supply Company, Chicago, Ill. Device for indexing contact springs in contact-welding apparatus. 2,529,265, Nov. 7.

Rose, Richard L.: *See*— Rose, Bernard and R. L.

Rose, Walter D.: *See*— Leas, William J., and Rose.

Rose, Walter D., Tulsa, Okla., assignor to Standard Oil Development Company. Core analysis and apparatus therefor. 2,534,737, Dec. 19.

Rose, William F., Westerville, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company. Loader or conveyor. 2,527,452, Oct. 24.

Rose, William R., Arlington, Va. Dust clog indicator. 2,493,164, Jan. 3.

Rose, William R., Arlington, Va. Hood for bottled gas containers. 2,497,561, Feb. 14.

Roseburrough, Walter F., Newton, Iowa. Gate latch. 2,523,845, Sept. 26.

Roseby, Philip N.: *See*— Saville, Willie, and Roseby.

Roseen, Ethel M., Minneapolis, Minn. Construction of shirts for men. 2,497,630, Feb. 14.

Rosefield Packing Company, Ltd., assignee: *See*— Avera, Fitzhugh L.

Roselair, Bert, Snoqualmie, Wash. Flush valve for toilet tanks. 2,511,545, June 13.

Roselene, Frank, Paterson, N. J. Dyeing machine. 2,513,209, June 27.

Roseman, Charles M.: *See*— McKinstry, Earl L., and Roseman.

Roseman, Leo, Newark, N. J. Sewing machine and means for automatically producing recurring operations. 2,505,579, Apr. 25.

Roseman, Leo, Newark, N. J. Device for producing warning prior to exhaustion of bobbin thread. 2,526,279, Oct. 17.

Roseman, Leo, Newark, N. J. Device for indicating variations in thread tension in sewing machines. 2,530,841, Nov. 21.

Roseman, Leo, Newark, N. J. Adjustable fastener. 2,534,064, Dec. 12.
Rosen, Bert, New York, N. Y. Trouser construction. 2,521,410, Sept. 5.
Rosen, Leo, Arlington, Va. Plug and plugboard. 2,506,615, May 9.
Rosen, Leo, Oklahoma City, Okla. Swivel clamp for submergible electric cables. 2,530,179, Nov. 14.
Rosen, Maurice S., assignor to Haemic Research Laboratories, Inc., New York, N. Y. Clinical testing device for blood. 2,514,260, July 4.
Rosen, Milton W., Washington, D. C. Keying system. 2,493,778, Jan. 10.
Rosen, Oscar E., Detroit, Mich., assignor to The Lodge and Shipley Company, Cincinnati, Ohio. Control for hydraulic motors. 2,502,234, Mar. 28.
Rosen, Raphael, Elizabeth, N. J., assignor, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission. Electrolytic production of metallic uranium. 2,519,792, Aug. 22.
Rosen, Raphael, Elizabeth, and E. Arundale, Westfield, N. J., assignors to Standard Oil Development Company. Preparation of meta-dioxanes. 2,504,732, Apr. 18.
Rosen, Shy, New York, N. Y., assignor to Milprint, Inc., Milwaukee, Wis. Composite commodity wrapper. 2,494,965, Jan. 17.
Rosen, Sidney, Rockville Centre, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Resistive termination. 2,494,722, Jan. 17.
Rosenbaum, Gad, Detroit, Mich. Combined table and bench. 2,494,900, Jan. 17.
Rosenbaum, Harry S., Baltimore, Md. Lower rail for Venetian blinds. 2,502,028, Mar. 28.
Rosenbaum, Harry S., Baltimore, Md. Bottom rail for Venetian blinds. 2,520,109, Aug. 22.
Rosenbaum, Norman M., New York, N. Y. Forming seams. 2,511,080, June 13.
Rosenberg, Adolf, New York, N. Y. Product for supplementing vitamins and preparing the same. 2,501,409, Mar. 21.
Rosenberg, George, Forest Hills, and L. Spiselman, Brooklyn, N. Y. Picture frame. 2,521,411, Sept. 5.
Rosenberg, Hans R., Bound Brook, N. J., and C. W. Croco, Swarthmore, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Delta-(5-carboxy-2-thienyl)-valeric acid and esters. 2,502,344, Mar. 28.
Rosenberg, Louis T.: *See*—
Kapp, Roland, Pickel, and Rosenberg.
Rosenberg, Myer, Chicago, Ill. Movable magnifying lens indicator. 2,533,628, Dec. 12.
Rosenberg, Paul, Brookline, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Supersonic training device. 2,518,938, Aug. 15.
Rosenberg, William F., Chicago, Ill. Curette kit. 2,519,070, Aug. 15.
Rosenberger, Albert J., assignor to Republic Flow Meters Company, Chicago, Ill. Apparatus for controlling fuel and air supply to boilers responsive to boiler demand. 2,499,076, Feb. 28.
Rosenberger, Albert J., assignor to Republic Flow Meters Company, Chicago, Ill. Force measuring apparatus. 2,524,602, Oct. 3.
Rosenblad Corporation, assignee: *See*—
Lockman, Carl J.
Rosenblatt, David B., Mount Vernon, N. Y. Cigarette lighter. 2,498,507, Feb. 21.
Rosenbloom, Harold I., Pittsburgh, Pa., assignor to Hall Laboratories, Inc. Compositions and methods for depositing amorphous metal-phosphate coatings on metal surfaces. 2,499,261, Feb. 28.
Rosenbloom, William J., White Plains, assignor to American Cyanamid Company, New York, N. Y. Separation of crystals from solutions containing HCN. 2,516,832, July 25.
Rosenblum, George M., Merrick, N. Y. Apparatus for wire coding. 2,524,141, Oct. 3.
Rosenblum, George M., Merrick, N. Y. Apparatus for wire coding. 2,529,227, Nov. 7.
Rosencrans, Charles A., Haddonfield, N. J., assignor to Radio Corporation of America. Frequency modulation system. 2,511,789, June 13.
Rosencranse, Charles R., assignor of fifty per cent to J. F. Flaner, Jr., Pittsburg, Kans. Bituminous emulsions for treatment of coal and preparing the same. 2,514,901, July 11.
Rosendahl, Martin U., Knierim, Iowa. Tractor operated wire winding and unwinding reel. 2,507,272, May 9.
Rosenfeld, Abraham L., trustee, assignee: *See*—
Apgar, Charles W.
Rosenfeld, Lawrence, New York, N. Y. Electric lamp. 2,532,821, Dec. 5.
Rosenfeld, Menachem Y., London, England. Vanity box. 2,533,049, Dec. 5.
Rosenfeld, Myer, Aberdeen, Md. Educational device. 2,507,223, May 9.
Rosengren, Orvar E., Hamden, and O. O. Sunderland, Fairfield, Conn. Machine gun fire retarder. 2,509,530, May 30.
Rosenheck, Henry, Lausanne, Switzerland. Reinforced fragile container. 2,507,648, May 16.
Rosenheim, David, New York, N. Y., assignor to Lapin Products, Inc., Newark, N. J. Molded plastic sun glasses and the like. 2,504,157, Apr. 18.
Rosenkranz, George: *See*—
Kaufmann, Stephen, and Rosenkranz.
Rosenkranz, George, and S. Kaufmann, assignors to Syntex, S. A., Mexico City, Mexico. Producing pseudodiosgenin. 2,511,011, June 13.
Rosenow, Monroe H., and W. E. Schwalbe, Milwaukee, Wis. Golf club cover. 2,532,195, Nov. 28.
Rosenstein, Ludwig, New York, N. Y. Production of sodium carbonate. 2,534,298, Dec. 19.
Rosenthal, Adolph H., assignor, by mesne assignments, to Skiatron Corporation, New York, N. Y. Color television receiving apparatus. 2,513,520, July 4.
Rosenthal, Fritz, Bellmawr, N. J., assignor to Radio Corporation of America. Polystyrene plastic foam. 2,533,629, Dec. 12.
Rosenthal, Fritz, Crescent Park, Borough of Bellmawr, N. J., assignor to Radio Corporation of America. Biphenyl derivatives and preparing them. 2,496,067, Jan. 31.
Rosenthal, Henry L., West Allis, Wis. Corn harvester. 2,501,097, Mar. 21.
Rosenthal, Henry L., West Allis, Wis. Corn harvester. 2,524,603, Oct. 3.
Rosenthal, Philip C.: *See*—
Manning, George K., Rosenthal, and Krumlauf.
Rosenthal, Sidney N., assignor to Speedry Products, Inc., New York, N. Y. Reservoir ink pad. 2,523,879, Sept. 26.
Rosenthal, William, Bayville, and E. Silvani, Brooklyn, assignors to Maiden Form Brassiere Co., Inc., New York, N. Y. Strapless brassière. 2,512,215, June 20.
Rosenwald, Robert H., Western Springs, and J. A. Chenicek, Bensenville, assignors to Universal Oil Products Company, Chicago, Ill. Inhibitor for gasoline. Re. 23,239, June 6.
Rosenwald, Robert H., Western Springs, assignor to Universal Oil Products Company, Chicago, Ill. Treatment of wood tar distillates. 2,507,649, May 16.
Rosenzweig, Joseph, New York, N. Y. Sweater blouse. 2,513,210, June 27.
Rosenzweig, Julius, New York, N. Y. Adjustable foot covering. 2,523,449, Sept. 26.
Rosher, Ronald, assignor to Hercules Powder Company, Wilmington, Del. Tall oil treatment. 2,509,884, May 30.
Rosher, Ronald, assignor to Hercules Powder Company, Wilmington, Del. Ethanol rosin amines. 2,510,295, June 6.
Rosher, Ronald, assignor to Hercules Powder Company, Wilmington, Del. Rosin ammonium phenoxides as fungicides. 2,513,429, July 4.
Roshko, Frank O., New Orleans, La. Window shade bracket. 2,500,706, Mar. 14.
Rosin, Paul O.: *See*—
Hartley, Arthur C., Brown, Callendar, Fehling, Fox, Gill, Moore, Rosin, and Williamson.
Rosing, Theodore F.: *See*—
Kuhn, Clarence W., and Rosing.
Rosinski, Edward E., assignor of one-half to F. W. Hanyo, Detroit, Mich. Lure. 2,500,707, Mar. 14.
Rosinski, Theodore F.: *See*—
Lajoie, Louis J., and Rosinski.
Roske, Milton H., Malden, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for and method of folding. 2,526,691, Oct. 24.
Rosner, Max.: *See*—
Bauers, Alexander L., and Rosner.
Rosoff, Sumner: *See*—
Rawl, Philip, and Rosoff.
Ross, Alfred, Bloomfield, assignor to Allcraft Corrugated Corporation, Harrison, N. J. Shipping case. 2,535,233, Dec. 26.
Ross, Allen R., Renton, Wash. Shipping box and crate. 2,528,551, Nov. 7.
Ross, Arnold R., assignee: *See*—
Ross, Walter G.
Ross, Charles E.: *See*—
Preaus, Charles M., and Ross.
Ross, Daniel A., Toronto, Ontario, Canada, assignor to McQuay-Norris Manufacturing Company, St. Louis, Mo. Piston ring. 2,503,133, Apr. 4.
Ross, Daniel W., Cleveland, Ohio, and J. J. Hopkins, Silver Spring, Md., assignors to the United States of America as represented by the Secretary of the Navy. Rectifier. 2,516,344, July 25.
Ross, Dorothy B., Detroit, Mich. Hair curler. 2,529,311, Nov. 7.
Ross, Earl T., Los Angeles, and C. B. Wilde, Compton, Calif., assignors to Stauffer Chemical Company. Manufacture of insoluble sulfur. 2,534,063, Dec. 12.
Ross, Frank E., Altadena, assignor to H. M. Custer, Los Angeles, Calif. High magnification projection system. 2,510,419, June 6.
Ross, Frederick N., assignor to Koebel Diamond Tool Co., Detroit, Mich. Core bit. 2,506,387, May 2.
Ross, Frederick N., assignor to Koebel Diamond Tool Co., Detroit, Mich. Core bit. 2,506,388, May 2.
Ross Gear & Tool Company, assignee: *See*—
Creson, William K.

Ross Heater & Manufacturing Co., Inc., assignee: *See*—
Tinker, Townsend.
Wilson, James R.

Ross, Hollis R., assignor to Barcalo Manufacturing Company, Buffalo, N. Y. Adjustable jaw pliers. 2,510,660, June 6.

Ross Industries Corporation, assignee: *See*—
Sadwith, Ryan.

Ross, Iver C., Springfield, Mass. Tool. 2,520,342, Aug. 29.

Ross, J. O., Engineering Corporation, assignee: *See*—
Gschwind, Jean F.

Ross, John: *See*—
Clark, John R., Malkemus, and Ross.
Malkemus, John D., and Ross.

Ross, John, Ramsay, and A. I. Gebhart, Union, assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J. Producing condensation products. 2,496,358, Feb. 7.

Ross, John, Ramsey, and J. D. Malkemus, Allendale, assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J. Di-N-substituted piperazine derivatives and preparing same. 2,508,652, May 23.

Ross, John, Ramsey, and A. I. Gebhart, Union, assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J. Producing polymeric condensation products. 2,527,081, Oct. 24.

Ross, Joseph, Elmhurst, N. Y. Lipstick. 2,522,403, Sept 12.

Ross, Karl F.: *See*—
Michel, Aloys J., and Ross.

Ross, Karl F., Bronx, N. Y. Receiver for wave-length modulated electric waves. 2,530,081, Nov. 14.

Ross, Lawrence E., and C. A. Tanner, Jr., Amherst, Va., assignors, by mesne assignments, to American Cyanamid Company. Production of rutile titanium dioxide. 2,494,492, Jan. 10.

Ross, Leland S., Oakland, Calif. Juice extracting machine having combined rotary cutter and discharge means. 2,510,420, June 6.

Ross, Leo S., assignee: *See*—
Smoot, Lloyd M.

Rotol Limited, assignee: *See*—
Chilman, John A., Mapp, and Morris.

Ross, Mark, Los Angeles, Calif. Stationary cutter with screw fed plunger for cutting vegetables. 2,508,868, May 23.

Ross, Samuel J., assignor to Norma Pencil Corp., New York, N. Y. Eraser mounting. 2,524,716, Oct. 3.

Ross, Saul H., Oceanside, assignor to Eastern Air Devices, Inc., Brooklyn, N. Y. Magnetizing permanent magnet rotors. 2,529,049, Nov. 7.

Ross, Sidney D., and M. Markarian, assignors to Sprague Electric Company, North Adams, Mass. Halogenated aromatic compounds. 2,517,930, Aug. 8.

Ross, Silas E., Jr: *See*—
Mohler, Stanley R., and Ross.

Ross, Thomas G., Milwaukee, Wis. Expanding mandrel. 2,494,899, Jan. 17.

Ross, Thomas N., Seattle, Wash. Translating device and method. 2,501,788, Mar. 28.

Ross, Walter G., assignor of ten per cent to A. R. Ross, Milwaukee, Wis. Portable circular saw for cutting plaster of Paris casts. 2,518,939, Aug. 15.

Ross, Walter H., Westfield, N. J. Electrically heated tile. 2,522,841, Sept. 19.

Ross, Wayne M., Wallace, Idaho. Electrical measuring instrument. 2,494,206, Jan. 10.

Ross, William C.: *See*—
Drown, Clifford F., Zimmerman, and Ross.

Ross, William E., Berkeley, and P. Pezzaglia, Oakland, assignors to Shell Development Company, San Francisco, Calif. Cyclohexane production. 2,505,792, May 2.

Ross, William P. V., Battle Creek, Mich., assignor, by mesne assignments, to Goss Printing Press Company, Chicago, Ill. Cross association of webs. 2,495,909, Jan. 31.

Rosseau, Leon B., Narberth, assignor to Ajax Electric Company, Inc., Philadelphia, Pa. Furnace loading and discharge mechanism. 2,525,727, Oct. 10.

Rossell, William T., assignor to Transit Research Corporation, New York, N. Y. Thermostatic control. 2,519,853, Aug. 22.

Rosselle, Charles C., Detroit, Mich. Vented toilet. 2,526,278, Oct. 17.

Rosselot, Clifford L., Owensville, Ohio. Powdered material spreader. 2,511,514, June 13.

Rossetti, René, Geneva, Switzerland. Toolholder for circular thread forming tools. 2,523,450, Sept. 26.

Rossheim, David B., Teaneck, and H. T. Holzwarth, Westfield, assignors to The M. W. Kellogg Company, Jersey City, N. J. Centrifugal separator. 2,524,398, Oct. 3.

Rossi, Bruno B., Winchester, Mass., and J. S. Allen, Champaign, Ill., assignors to the United States of America as represented by the United States Atomic Energy Commission. Radiation measurement. 2,506,435, May 2.

Rossi, Domenic A., Cleveland, assignor of one-half to J. A. Mercurio, Cleveland Heights, Ohio. Disk type garden cultivator. 2,524,330, Oct. 3.

Rossi, Irving, Morristown, N. J. Continuous casting of metal slabs. 2,496,235, Jan. 31.

Rossi, Irving, Morristown, N. J. Apparatus for the continuous casting of metal. 2,517,931, Aug. 8.

Rossi, Tony P., Albuquerque, N. Mex. Suspension means for seats. 2,508,688, May 23.

Rossire, Francis H. S., Leonia, assignor to Bendix Aviation Corporation, Teterboro, N. J. Aircraft altitude control. 2,512,902, June 27.

Rossman, Allen M., Wilmette, Ill. Torque converter. 2,509,842, May 30.

Rossman, Edwin F., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Shock absorber. 2,500,708, Mar. 14.

Rossman, Edwin F., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Shock absorber. 2,519,605, Aug. 22.

Rossman, Edwin F., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Shock absorber. 2,527,034, Oct. 24.

Rossman, Edwin F., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Fluid flow control device. 2,531,532, Nov. 28.

Rossmanith, Wolfgang, Solothurn, Switzerland. Machine for grinding internal cone surfaces. 2,534,531, Dec. 19.

Rossmann, Peter F., Morristown, N. J., assignor of one-half to K. Rath, New York, N. Y. Film feeding and shutter setting mechanism for photographic roll film cameras. 2,518,723, Aug. 15.

Rossner, Emery, Brooklyn, N. Y., assignor to Milford Crane & Machine Co., Milford, Conn. Motor powered vehicle cab. 2,529,192, Nov. 7.

Rossnick, Melvin, Bronx, assignor to Induction Heating Corporation, New York, N. Y. Electrical inverter system. 2,502,671, Apr. 4.

Rostan, Theodore, Milwaukee, Wis. Motor bicycle construction. 2,504,452, Apr. 18.

Rostock, Christian L., assignor of one-half to W. A. Eaton, Toledo, Ohio. Check writer. 2,517,354, Aug. 1.

Rostoker, Louis, Toronto, Ontario, Canada. Vibration damper for overhead cables. 2,494,358, Jan. 10.

Rostoker, Louis, Toronto, Ontario, and A. R. Finn, Leaside, Ontario, Canada. Filing device. 2,519,932, Aug. 22.

Rostone Corporation, assignee: *See*—
Jones, Paul W., and Knoy.

Roswell, Charles N., Chicago, Ill. Liquid heating system. 2,533,141, Dec. 5.

Roswell, Earle R., Marshfield, assignor, by mesne assignments, to The Chase Shawmut Company, Newburyport, Mass. Safety control circuit. 2,509,400, May 30.

Roswell, Earle R., Marshfield, assignor, by mesne assignments, to The Chase Shawmut Company, Newburyport, Mass. Snap switch. 2,513,053, June 27.

Roszbach, George P.: *See*—
Van der Mark, Jan, Venis, Roszbach, and Blok.

Rotary Engineering and Manufacturing Company Inc., assignee: *See*—
Bliss, Jack E., and Prather.

Rotary Hoes Limited, assignee: *See*—
Howard, Arthur C.

Rotary Seal Company, assignee: *See*—
Meyer, Walter W.

Rotax Limited, assignee: *See*—
Baines, John A.
Bourne, William G.
De Guerin, Joseph D. S.
Hamilton, Ralph F. G.
Levy, Joseph.
Thomson, Ronald H.

Roters, Herbert C., Kew Gardens, N. Y., assignor to Beech Aircraft Corporation, Wichita, Kans. Dynamic braking control system. 2,530,131, Nov. 14.

Roters, Herbert C., Roslyn, N. Y., assignor to Fairchild Camera and Instrument Corporation. Magnetostrictive stress-responsive device and system embodying the same. 2,511,178, June 13.

Roth, Aaron, Brooklyn, N. Y. Tuning fork. 2,522,302, Sept. 12.

Roth, Alexander, Bronx, N. Y. Electrical musical device. 2,513,109, June 27.

Roth, Arnold P., Wickliffe, Ohio. Automobile trailer hitch. 2,495,136, Jan. 17.

Roth, Arthur J., Detroit, Mich. Automobile towing device. 2,518,641, Aug. 15.

Roth, Barbara, Middlesex, N. J., assignor to American Cyanamid Company, New York, N. Y. 5-phenacylpyrimidines and preparing same. 2,520,472, Aug. 29.

Roth, Chester H., Company, Inc., assignee: *See*—
Haddad, Salomao J.

Roth, Elsie, Chicago, Ill. Device for straightening hair. 2,526,581, Oct. 17.

Roth, Fred, Brooklyn, N. Y. Phonograph record holder. 2,494,359, Jan. 10.

Roth, Fred, Brooklyn, N. Y. Counterbalanced spring for slidable windows. 2,505,142, Apr. 25.

Roth, Grant V. W.: *See*—
Snari, Frank E., and Roth.
Willis, Paul.

Roth, Herman P., Redondo Beach, assignor to The Garrett Corporation, Airesearch Manufacturing Company division, Los Angeles, Calif. Oxygen demand pressure breathing regulator. 2,521,310, Sept. 5.

Roth, Jay M., and E. J. Bodensieck, assignors to Thompson Products, Inc., Cleveland, Ohio. Turbine pump. 2,496,496, Feb. 7.

Roth, Jay M., Uhrichsville, and L. L. Aspelin, Cleveland Heights, assignors to Thompson Products, Inc., Cleveland, Ohio. Pump. 2,525,619, Oct. 10.

Roth, John K., San Francisco, Calif. Condensation preventing means for refrigerators. 2,509,784, May 30.

Roth, Otto A., Kirkwood, Mo. Chance game apparatus. 2,530,082, Nov. 14.
Roth, Morris E., Stratford, assignor to United Aircraft Corporation, East Hartford, Conn. Safety lock for sliding aircraft cockpit canopies. 2,505,651, Apr. 25.
Roth, Norbert, assignee: *See*— Gregor, Fred.
Roth, Robert I., Hawthorne, N. Y., A. H. Dickinson, Greenwich, Conn., and J. N. Wheeler, Hawthorne, assignors to International Business Machines Corporation, New York, N. Y. Recording gauge system. 2,506,470, May 2.
Roth, Walter L., Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave meter. 2,530,541, Nov. 21.
Rothchild, Aaron, New York, N. Y. Cap for children. 2,501,006, Mar. 21.
Rothchild, Edgar J., assignee: *See*— Van Alstyne, Roy, and Rothchild.
Rothe, Ernest E.: *See*— Rothe, Walter and E. E.
Rothe, Frederick S., Schenectady, N. Y., assignor to General Electric Company. Electric computer. 2,523,781, Sept. 26.
Rothe, Walter and E. E., New York, N. Y. Foot-operated device for flushing toilets. 2,530,482, Nov. 21.
Rothe, Walter F., Washington, D. C. Key identification means. 2,529.815, Nov. 14.
Rothenberg, Henry, assignee: *See*— Gruszecki, Frank.
Rothenberger, Melvin A., Los Angeles, Calif. Expanding arbor. 2,499,781, Mar. 7.
Rother, Carl J., and G. W. Larson, assignors to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Ventilating apparatus. 2,516,805, July 25.
Rotheraine, Jerome H., Philadelphia, Pa. Garment hanger. 2,503,844, Apr. 11.
Rotherham, Leonard, Dronfield, and C. Sykes, assignors to Thos. Firth & John Brown Limited, Sheffield, England. Alloy steels for use at elevated temperatures. 2,504,453, Apr. 18.
Rothermel, Edward M., Waynesville, N. C., assignor to The Dayton Rubber Company. Noneyebrowing cot. 2,507,869, May 16.
Rothermel, Joseph J.: *See*— Silverman, Alexander, Rothermel, and Sun.
Rothrock, David A., Jr., and R. F. Conyne, assignors to Rohm & Haas Company, Philadelphia, Pa. Use of phosphite esters in the stabilization of linear polyamides. 2,493,597, Jan. 3.
Rothrock, Henry S.: *See*— Borcherdt, Gerald T., and Rothrock.
Rothschild, Gilbert R., Somerville, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Arc welding. 2,497,631, Feb. 14.
Rothschild, Hans J., assignor to Georg Fischer Aktiengesellschaft. Schaffhausen, Switzerland. Shockless jolting device for molding machines. 2,533,959, Dec. 12.
Rothschild, Hans J., assignor to Georg Fischer Aktiengesellschaft, Schaffhausen, Switzerland. Control device for lifting pins on molding machines. 2,533,960, Dec. 12.
Rothstein, Jerome, Belmar, N. J. Pulse-echo system utilizing an electron buncher tube. 2,530,401, Nov. 21.
Rothweiler, Charles O., assignor to David White Company, Milwaukee, Wis. Leveling device. 2,504,454, Apr. 18.
Rothwell, John C.: *See*— Holcomb, Normand P., and Rothwell. Pastore, Michael W., and Rothwell.
Rothwell, John J., Elkhart, assignor to Penn Electric Switch Co., Goshen, Ind. Snap switch structure. 2,515,528, July 18.
Roto-Cast Foundry Equipment, Inc., assignee: *See*— Hardy, John N.
Rotol Limited, assignee: *See*— Godden, Thomas E., Bishop, and Holberton. Milner, Harry L.
Rotollo, Laurence J., Los Angeles, Calif. Lifting device. 2,526,085, Oct. 17.
Rototiller Inc., assignee: *See*— Kelsey, Cadwallader W.
Rotter, Jack H., Cody, Wyo. Protective cover for telescopic sight lenses. 2,522,897, Sept. 19.
Rotter, Lutwin C.: *See*— Fox, Alex P., and Rotter.
Rotter, Lutwin C., Maplewood, and A. T. Laspe, Normandy, assignors to Lincoln Engineering Company, St. Louis, Mo. Hose coupling. 2,535,460, Dec. 26.
Rottier, Frank, Lansing, assignor to Pioway-Bergart Company, Chicago, Ill. Fruit delivery apparatus. 2,521,998, Sept. 12.
Rottman, George, Brooklyn, N. Y. Carton. 2,499,780, Mar. 7.
Rouan, Francis J., Stamford, and B. Knauer, East Norwalk, assignors to Pitney-Bowes, Inc., Stamford, Conn. Postage printing and metering device. 2,510,350, June 6.
Rouat, Roger, Paris, France. Electric bath. 2,530,442, Nov. 21.
Rouault, Charles L., Schenectady, N. Y., assignor to General Electric Company. Rotatable joint for coaxial cables. 2,519,933, Aug. 22.
Roubal, Alexander J., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Agitator. 2,516,917, Aug. 1.
Roubal, Alexander J., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Submersible bearing construction. 2,516,918, Aug. 1.
Roubal, Alexander J., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. End thrust bearing. 2,527,229, Oct. 24.
Roughsedge, Robert H., Ramsey, N. J., and H. G. Lustig, New York, N. Y., assignors to Celanese Corporation of America. Automatic stop-recorder. 2,495,825, Jan. 31.
Roukos, Fred J., Jr., Columbia, S. C. Multiple element fuse. 2,497,470, Feb. 14.
Round Root Corporation, assignee: *See*— Vander Clute, William W.
Rountree, John H., Plainfield, N. J., assignor to The Linde Air Products Company. Torch beveling apparatus. 2,521,669, Sept. 5.
Roup, Rolland R., and C. E. Butler, assignors to Globe-Union Inc., Milwaukee, Wis. Layerized high dielectric constant piece for capacitors and making the same. 2,520,376, Aug. 29.
Rouquette, Guillaume F., Paris, France. Carburetor. 2,522,196, Sept. 12.
Roura, Joseph J., Jr., Detroit, Mich. Trip mechanism for dump bodies. 2,519,153, Aug. 15.
Rouse, Charles R., Swissvale, Pa.; H. M. Rouse, administratrix of said C. R. Rouse, deceased. Vibratory discharger. 2,494,584, Jan. 17.
Rouse, Edward H., St. Louis Park, Minn. Propeller. 2,528,609, Nov. 7.
Rouse, Helen M., administratrix: *See*— Rouse, Charles R.
Rousey, Thomas L., Great Lakes, Ill. Code practicing device. 2,509,170, May 23.
Roush, Alan D., assignee: *See*— Stolz, Owen M.
Roush, John H., Johnson County, Kans. Packaging structure. 2,517,801, Aug. 8.
Roush, John H., Johnson County, Kans. Package wrapper. 2,527,685, Oct. 31.
Rousseau, Claude, Montmagny, Quebec, Canada. Hook conveyor. 2,517,444, Aug. 1.
Rousseau, Geneviéve: *See*— Velluz, Leon, and Rousseau.
Rousseau, Wilfrid J., and M. Oliver, New Bedford, Mass. Intravenous needle immobilizer. 2,533,961, Dec. 12.
Roux, Charles, Asnieres, France. Artistic photomodelling by hand. 2,524,542, Oct. 3.
Rouy, Auguste L. M. A., New York, N. Y. Catalyzing combustion chamber for Diesel engines. 2,497,374, Feb. 14.
Rouy, Auguste L. M. A., New York, N. Y., assignor to L. L. H. Company, Erie, Pa. Measuring of voltage by voltage opposition. 2,508,424, May 23.
Rouy, Auguste L. M. A., New York, N. Y. Resilient diaphragm engine bearing. 2,515,799, July 18.
Rouze, Georges, *See*— Gailliot, Paul L., Rouze, and Gastou.
Rouzet, Lucien, assignor to "L'Impregnation," Clichy, France. Core and molding sands. 2,512,441, June 20.
Rovego Limited, assignee: *See*— Weber, Heinrich J. E.
Roventini, Philip C., Carson City, Nev. Fastener removal tool. 2,495,775, Jan. 31.
Rover Company Limited, The, assignee: *See*— Wilks, Maurice C.
Rovnak, George J., Campbell, Ohio. Combined remote control and extension for telephones. 2,531,648, Nov. 28.
Rowan, Albert J., Pawtuxet, R. I., assignor to Taunton Pearl Works. Cuff link. 2,501,618, Mar. 21.
Rowan, James, Chicago, Ill. Goggles. 2,526,582, Oct. 17.
Rowan, John V., University City, assignor to Lee-Rowan Company, St. Louis, Mo. Skirt hanger. 2,528,788, Nov. 7.
Rowan, Jonas C., Culver, Oreg. Safety gaff hook. 2,517,507, Aug. 1.
Rowand, Will H., Madison, assignor to The Babcock & Wilcox Company, Rockleigh, N. J. Separator. 2,532,332, Dec. 5.
Rowbotham, Frederick W., Stonehouse, England. Flood bank and similar structure and units for use in the erection of such structures. 2,515,059, July 11.
Rowe, Albert J., West Islip, N. Y. Boat. 2,519,793, Aug. 22.
Rowe, Alvin V., assignor to Rowe Manufacturing Company, Galesburg, Ill. Hinge construction. 2,494,001, Jan. 10.
Rowe, George E., Wethersfield, assignor to Hartford-Empire Company, Hartford, Conn. Apparatus for forming glassware. 2,508,890, May 23.
Rowe, George E., Wethersfield, assignor to Hartford-Empire Company, Hartford, Conn. Apparatus for forming glassware. 2,508,891, May 23.
Rowe, Harbert D., Glendale, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Reversible or berthable seat. 2,514,798, July 11.
Rowe, Harry C., Chicago, Ill. Sound actuated signal device for telephones. 2,506,279, May 2.
Rowe, Leroy C., Ellsworth, Mich. Ice cream container insert. 2,529,816, Nov. 14.
Rowe Manufacturing Company, assignee: *See*— Gabrielsen, Christian. Rowe, Alvin V.
Rowe, Mark R.: *See*— Wiegand, Francis J., and Rowe.

Rowe, Marion H., assignor, by mesne assignments, to Ace Rubber Company, Dallas, Tex. Vulcanizing unit. 2,503,511, Apr. 11.

Rowe, Oliver R., C. S. W. King, and W. J. Stolp, Charlotte, N. C., assignors of one-half to R. H. Bouligny, Inc., and one-half to Dixie Canner Company, Athens, Ga. Can seaming mechanism. 2,511,738, June 13.

Rowe, Oliver R. and W. J. Stolp, Charlotte, N. C., assignors to R. H. Bouligny, Inc. Pruning implement. 2,533,962, Dec. 12.

Rowe, Orlo C., Boonville, Mo. Educational contrivance. 2,506,894, May 9.

Rowe, Paul H., assignor to Maas-Rowe Electromusic Corporation, Los Angeles, Calif. Suspension for musical resonant bars. 2,499,113, Feb. 28.

Rowe, Paul Henry, assignor to Maas-Rowe Electromusic Corporation, Los Angeles, Calif. Resonant bar suspension apparatus. 2,516,725, July 25.

Rowe, Percy J., Hubbell, assignor to Lake Chemical Company, Calumet, Mich. Manufacture of cupric hydrate. 2,525,242, Oct. 10.

Rowe, Raymond N., Plainville, assignor to The Trumbull Electric Manufacturing Company, Plainfield, Conn. Source transfer switch. 2,494,313, Jan. 10.

Rowe, Raymond N., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Electric switch with snap action. 2,494,314, Jan. 10.

Rowe, Raymond N., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Electric switch unit. 2,494,315, Jan. 10.

Rowe, Raymond N., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Quick make and break mechanism for electric switches. 2,501,742, Mar. 28.

Rowe, Raymond N., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Operating means for enclosed switches. 2,512,505, June 20.

Rowe, Raymond N., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Hinged closure and fastener therefor. 2,522,964, Sept. 19.

Rowe, Richard E. S., Johannesburg, Transvaal, Union of South Africa. Wrapper suitable for menstrual pads. 2,506,238, May 2.

Rowe, Robert G., and E. F. Ziemendorf, Niagara Falls, N. Y. Relay circuit. 2,518,380, Aug. 8.

Rowe, Walter, New York, N. Y., and C. M. Adler, Beverly Hills, Calif., assignor to Cinex, Inc., New York, N. Y. Microphotographic projector and reader device with indexing means. 2,501,453, Mar. 21.

Rowe, William, Lewiston, assignor to Bonafide Mills, Inc., Lisbon, Maine. Floor or wall covering and making the same. 2,532,196, Nov. 28.

Rowe, William, Lewiston, assignor to Bonafide Mills, Inc., Lisbon, Maine. Thermoplastic composition. 2,532,197, Nov. 28.

Rowe, William W., Cincinnati, assignor to Cincinnati Industries, Inc., Lockland, Ohio. Creping corrugated papers. 2,494,723, Jan. 17.

Rowell, Ralph M., Lynn, Mass., assignor to General Electric Company. Hook-on power-factor indicator. 2,519,071, Aug. 15.

Rowell, William G., Wollaston, Mass. System for burner cutoff and signaling means upon tank leakage. 2,531,159, Nov. 21.

Rowen, John W., South Fairlington, Va., and A. J. Phillips, deceased, Arlington, Va.; by T. D. Dudderar, administrator, Dover, N. J. Estimating the phlegmatizing properties of waxes as applied to high explosives. 2,531,471, Nov. 28.

Rowland, Ben W.: *See*—
Knight, George D., and Rowland.

Rowland, Charles S., Larchmont, assignor to Interchemical Corporation, New York, N. Y. Synthetic hydrocarbon resins. 2,521,022, Sept. 5.

Rowland, Edward L., assignee: *See*—
Appleton, Richard L.

Rowland, Frederick T., Emsworth, and W. F. Perdue, New Castle, assignors to Standard Steel Spring Company, Coraopolis, Pa. Leaf spring. 2,527,453, Oct. 24.

Rowland, Frederick T., Elmsworth, and M. B. Hammond, Edgeworth, assignors to Standard Steel Spring Company, Coraopolis, Pa. Single-leaf vehicle spring. 2,533,511, Dec. 12.

Rowland, George P., Fairlawn, and R. H. Steiner, Clifton, N. J., assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Antisticking treatment of vinyl resins. 2,514,191, July 4.

Rowland, George P., Jr., Pottstown, Pa., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Polymerization of butadiene. 2,495,137, Jan. 17.

Rowledge, Eric G., Oxford, and J. W. Kitson, Kidlington, assignors to Pressed Steel Company Limited, Oxford, England. Lubricating system for refrigerator motor-compressors. 2,527,657, Oct. 31.

Rowley, Arthur C., Drexel Hill, assignor to Globe Automatic Sprinkler Company, Philadelphia, Pa. Sprinkler head. 2,502,754, Apr. 4.

Rowley, Arthur C., Drexel Hill, assignor to Globe Automatic Sprinkler Company, Philadelphia, Pa. Spray nozzle. 2,502,755, Apr. 4.

Rowley, Arthur C., Drexel Hill, assignor to Globe Automatic Sprinkler Company, Philadelphia, Pa. Spray nozzle. 2,511,945, June 20.

Rowley, Arthur C., Drexel Hill, assignor to Globe Automatic Sprinkler Company, Philadelphia, Pa. Tamper proof sprinkler head. 2,519,704, Aug. 22.

Rowley, Arthur C., Drexel Hill, assignor to Globe Automatic Sprinkler Company, Philadelphia, Pa. Automatic sprinkler head. 2,526,159, Oct. 17.

Rowley, Arthur C., Drexel Hill, assignor to Globe Automatic Sprinkler Company, Philadelphia, Pa. Atomizing sprinkler head. 2,531,789, Nov. 28.

Rowley, Arthur C., Drexel Hill, assignor to Globe Automatic Sprinkler Company, Philadelphia, Pa. Sprinkler head assembly. 2,531,790, Nov. 28.

Rowley, Arthur C., Drexel Hill, assignor to Globe Automatic Sprinkler Company, Philadelphia, Pa. Fusible link. 2,534,065, Dec. 12.

Rowley, Arthur C., Drexel Hill, assignor to Globe Automatic Sprinkler Company, Philadelphia, Pa. Sprinkler head and mounting therefor. 2,534,066, Dec. 12.

Rowley, Chauncey L., Portland, Oreg. Holder for hairpins. 2,495,644, Jan. 24.

Rowley, Elton H., Wichita, Kans. Folding propeller. 2,500,382, Mar. 14.

Rowley, George B., and R. W. Clements, San Francisco, Calif., assignors to Universal Diving Service Company. Diver's patch for propeller shafts. 2,508,078, May 16.

Roxy Lawnshear Corporation, assignee: *See*—
Hannes, Wilbert H.

Roy, Albert E., Burbank, Calif. Spiral saw blade. 2,514,609, July 11.

Roy, Albert E., Burbank, Calif. Compound hydraulic master cylinder. 2,518,821, Aug. 15.

Roy, Arthur C. J., deceased, New York; M. Viault, administratrix, New York County, N. Y., assignor to J. H. Sadler, Coytesville, N. J. Church bell toiler. 2,523,970, Sept. 26.

Roy, Edna M., Pittsburg, Calif. Sole with detachable upper. 2,495,984, Jan. 31.

Roy, Edouard N., assignee: *See*—
Boisvert, Onésime.

Roy, Richard F.: *See*—
Orozco, Gilbert H., and Roy.

Royal, James M.: *See*—
Freund, Robert R., Royal, and Schoelkopf.

Royal Manufacturing Co., Inc., assignee: *See*—
Spradlen, William F.

Royal Metal Manufacturing Company, The, assignee: *See*—
Engstrom, Carl J.

Royal Patent Corporation, assignee: *See*—
Summers, William J.

Royal Swan, Inc., assignee: *See*—
Goldsmith, Bertram J.

Royal Tool & Manufacturing Company, assignee: *See*—
Helberg, Vernon C.

Royal Typewriter Company, Inc., assignee: *See*—
Garbell, Max.
Graepel, William.

Royden, George T., South Orange, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Frequency-modulated transmission system. 2,495,776, Jan. 31.

Royden, George T., South Orange, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. High-frequency amplifier. 2,498,711, Feb. 28.

Royer, George L.: *See*—
Amick, Chester A., and Royer.

Royer, George L., North Plainfield, and C. A. Amick, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y. Producing dyeings metallized with aluminum, manganese, iron, cobalt, nickel, copper, tin, and zirconium. 2,520,106, Aug. 22.

Royer, John A., Fresno, Calif. Sprinkler. 2,509,076, May 23.

Royer, Leslie W., Aliquippa, and R. L. Iverson, Beaver Falls, assignors to Koppers Company, Inc., Pittsburgh, Pa. Recovery of ethyl acetate from butadiene crude by-product oils. 2,525,829, Oct. 17.

Royer, Stanley H.: *See*—
Behnke, Edward R., and Royer.

Royer, W. C., assignee: *See*—
Williamson, Roy.

Royle, Edwin B., assignor to The Eimco Corporation, Salt Lake City, Utah. Material handling machine. 2,495,138, Jan. 17.

Roysher, Hudson B., Los Angeles, Calif. Tension catch. 2,499,077, Feb. 28.

Roysher, Hudson B., Los Angeles, assignor to W. Hickok, Beverly Hills, Calif. Visual educational projector. 2,529,664, Nov. 14.

Royster, Percy H., Chevy Chase, Md., assignor to Pickands Mather & Co., Cleveland, Ohio. Process and apparatus for thermal treatment of solids. 2,522,639, Sept. 19.

Royster, Percy H., Chevy Chase, Md., assignor to Pickands Mather & Co., Cleveland, Ohio. Magnetically roasting hematic ore and ore materials. 2,528,552, Nov. 7.

Royster, Percy H., Chevy Chase, Md., assignor to Pickands Mather & Co., Cleveland, Ohio. Magnetic roasting. 2,528,553, Nov. 7.

Royster, Percy H., Raleigh, N. C., assignor to Pickands Mather & Co., Cleveland, Ohio. Heat-treating solids. 2,532,335, Dec. 5.

Royster, Percy H., Raleigh, N. C., assignor to Pickands Mather & Co., Cleveland, Ohio. Heat-treating solids. 2,533,142, Dec. 5.

Royston, Marvin F., Poughkeepsie, N. Y., assignor to ATF, Incorporated, Elizabeth, N. J. Electrodynamic phonograph pickup. 2,516,919, Aug. 1.
Royston, William M., assignor to The Prac-Tee Co., Dayton, Ohio. Device for practicing golf of the type comprising a captive golf ball. 2,514,093, July 4.
Royther, Arne G., Long Beach, Calif. Form tie and spreader. 2,502,672, Apr. 4.
Rozankowski, Leon J. : *See*—
Hamilton, James O., and Rozankowski.
Rozas, Luis A. V., Cuzco, Peru. Propelling rod for parachutist. 2,529,966, Nov. 14.
Rozek, Louis M., Berlin, N. H. Self-retaining abdominal retractor. 2,493,598, Jan. 3.
Rozwood, Peter L., Passaic, N. J. Motor vehicle steering apparatus. 2,529,967, Nov. 14.
Rozzell, Lois S., administratrix : *See*—
Steirly, Albert R.
Ruau, Felix F. : *See*—
Molins, Desmond W., Ruau, and Dearsley.
Rubatex Products, Inc., assignee : *See*—
Cooper, Lester, and Pfleumer.
Rubba, Joseph V., Egg Harbor City, N. J. Dental instrument. 2,504,227, Apr. 18.
Rubbercraft Corporation of California, Ltd., assignee : *See*—
Merralls, Franz N.
Rubberset Company, assignee : *See*—
Barnes, Alfred H., and Grosse.
White, Newton H.
Rubel, Charles F. : *See*—
Christensen, Norman V., and Rubel.
Rubel, Charles F., assignor to Union Special Machine Company, Chicago, Ill. Sewing machine. 2,494,901, Jan. 17.
Rubel, Charles F., assignor to Union Special Machine Company, Chicago, Ill. Rotary take-up means for sewing machines. 2,511,081, June 13.
Ruben, Louis A., Bayonne, N. J., assignor to L. Greene, New York, N. Y. Rhythm selector. 2,524,736, Oct. 3.
Ruben, Samuel, assignee : *See*—
Williams, Fred D., Jr.
Ruben, Samuel, New Rochelle, N. Y. Alkaline primary cell with permanganate depolarizer. 2,499,419, Mar. 7.
Ruben, Samuel, New Rochelle, N. Y. Primary cell and battery. 2,526,692, Oct. 24.
Ruben, Samuel, New Rochelle, N. Y. Flat primary cell. 2,527,576, Oct. 31.
Ruben, Zorro D., Chicago, Ill. Fluid power unit. 2,498,451, Feb. 21.
Rubens, Harry S., Manhasset, and I. Suwa, Jackson Heights, assignors to National Electric Instrument Co., Inc., Elmhurst, N. Y. Rotatable valve and switch support for endoscopic instruments. 2,531,827, Nov. 28.
Rubenstein, Harry R., Euclid, Ohio. Adjustable tail gate construction. 2,534,626, Dec. 19.
Rubenstein, Jacob H., Buffalo, N. Y. Magnetometer. 2,493,779, Jan. 10.
Rubenstein, Leon, Saltcoats, Scotland, assignor to Imperial Chemical Industries Limited. Preparation of basic lead salts of 2 :4 dinitro resorcinol. 2,493,549. Jan. 3.
Rubenstein, Leon, Saltcoats, Scotland, assignor to Imperial Chemical Industries Limited. Preparation of basic lead salts of 2 :4 dinitro resorcinol. 2,493,550, Jan. 3.
Rubenstein, Leon, Saltcoats, Scotland, assignor to Imperial Chemical Industries, Limited. Production of normal lead dinitroresorcinate. 2,493,551, Jan. 3.
Ruberoid Co., The, assignee : *See*—
Abraham, Herbert.
Rubertino, Angie, assignee : *See*—
Rubertino, Louis, and Novak.
Rubertino, Louis, South Euclid, and F. J. Novak, Cleveland, assignors of one-third to A. Rubertino, South Euclid, Ohio. Lubricator for vehicle front wheel bearings. 2,514,799, July 11.
Rubico, Jerome A., East Boston, assignor to Jerome Rubico, Inc., Boston, Mass. Last. 2,528,082, Oct. 31.
Rubico, Jerome, Inc., assignee : *See*—
Rubico, Jerome A.
Rubidge, David W., Chatham, N. J., and O. B. Shaffer, Owego, assignors to International Business Machines Corporation, New York, N. Y. Record controlled multiplying machine. 2,528,453, Oct. 31.
Rubin, Alfred, Naperville, Ill. Edible food product. 2,511,082, June 13.
Rubin, Elizabeth, New York, N. Y. Child's serving dish. 2,514,094, July 4.
Rubin, Herbert, New York, N. Y. Toy fish. 2,509,785, May 30.
Rubin, Herbert, New York, N. Y. Adjustable basketball hoop mounting. 2,534,067, Dec. 12.
Rubin, Isaac, New York, N. Y. Reinforced wall and lining structure for handbags having flat sidewalls of flexible material. 2,509,370, May 30.
Rubin, Louis C. : *See*—
Layng, Edwin T., and Rubin.
Rubinfield, Maurice, Pittsburgh, Pa. Apparatus for mixing and dispensing flavoring sirups and carbonated water. 2,515,570, July 18.
Rubinoff, Mark : *See*—
Artzt, William W., and Rubinoff.
Rubinstein, Helena, Inc., assignee : *See*—
Libson, Philip.
Rubinstein, Samuel B., New York, N. Y. Sound intensifier. 2,520,172, Aug. 29.
Rubissow, George A., New York, N. Y. Centrifugal casting apparatus. 2,495,483, Jan. 24.
Rubissow, George A., New York, N. Y. Making molds. 2,517,802, Aug. 8.
Rublee, Norman C., Fitchburg, Mass. Insulating staple. 2,526,902, Oct. 24.
Rublee, Norman C., Fitchburg, Mass. Insulated nail. 2,528,288, Oct. 31.
Ruch, Eugene, Farmington, Mich. Work clamp. 2,516,648, July 25.
Ruch, Eugene, Farmington, Mich. Locking means for pins and the like. 2,530,083, Nov. 14.
Rucker, Arthur, Chicago, Ill. Comb support and flame shield. 2,531,298, Nov. 21.
Rucker, John T. : *See*—
Sconce, James S., Johnson, and Rucker.
Rucker, Tinsley W., III : *See*—
Kruse, Paul H., and Rucker.
Rucks, Edward L. : *See*—
Koertge, Nobel H., and Rucks.
Rudahl, Arnold E., Middefield, assignor to Landers, Frary & Clark, New Britain, Conn. Electric blanket control. 2,510,038, May 30.
Rudahl, Arnold E., Middlefield, assignor to Landers, Frary & Clark, New Britain, Conn. Electric blanket control. 2,510,039, May 30.
Rudahl, Arnold E., Middlefield, assignor to Landers, Frary & Clark, New Britain, Conn. Electric blanket control. 2,510,040, May 30.
Rudahl, Arnold E., Middlefield, assignor to Landers, Frary & Clark, New Britain, Conn. Electric blanket control. 2,510,041, May 30.
Rudd, Maurice A., North Plainfield, N. J., assignor to Bendix Aviation Corporation, New York, N. Y. Ignition system. 2,501,410, Mar. 21.
Ruddell, Richard, Manchester, Conn. Method and apparatus for perforating jacquard card sketch paper, 2,526,280, Oct. 17.
Ruddy, Ernest L., assignee : *See*—
Lishman, Alan.
Rudel, Harry W., Roselle Park, and A. J. Morway, Clark Township, Union County, N. J., assignors to Standard Oil Development Company. High-temperature lubricating grease. 2,503,969, Apr. 11.
Rudel, Harry W., Roselle Park, and J. M. Boyle, Bayonne, N. J., assignors to Standard Oil Development Company. Preparing disulfide derivatives of thiophosphoric and thiophosphorous acid esters. 2,523,146, Sept. 19.
Rudel, John M., Montreal, Quebec, Canada. Carline roof joint. 2,513,054, June 27.
Rüdenberg, Hermann G., Belmont, Mass. Electronic tube circuit for high frequency. 2,500,574, Mar. 14.
Rüdenberg, Hermann G., Belmont, Mass. High-frequency electron tube and method. 2,500,575, Mar. 14.
Rüdenberg, Reinhold, Belmont, Mass. Radio scanning device. 2,501,876, Mar. 28.
Rudenberg, Reinhold, Belmont, Mass. Electron optical system. 2,520,813, Aug. 29.
Rudert, Frank J. : *See*—
McMillan, Graham W., and Rudert.
Rudiger, Carl E., Hawthorne, assignor to Sonotone Corporation, Elmsford, N. Y. System and method for fitting hearing aids. 2,510,480, June 6.
Rudisell, Jack M., Hominy, Okla. Device for guiding cutting torches. 2,509,698, May 30.
Rudiselle, Theodore E. : *See*—
Lakota, Stanley J., and Rudiselle.
Rudisill, Wesley H., Philadelphia, Pa. Electric generating system. 2,517,135, Aug. 1.
Rudloff, Ernest O., Sr., assignee : *See*—
Hemstreet, Albert B.
Rudman & Scofield, Inc., assignee : *See*—
Johnsen, William B.
Rudnick, Isadore : *See*—
Allen, Clayton H., and Rudnick.
Rudolf, James A., Long Beach, assignor, by mesne assignments, of one-half to R. C. Hodges, San Marino, and one-half to Mathew Miller, Santa Monica, Calif. Actuated elephant bank. 2,526,612, Oct. 17.
Rudolph, Faucette S., Torrance, Calif. Honda breakaway. 2,530,031, Nov. 14.
Rudolph, Frederic C. : *See*—
Schuhmann, Richard L., and Rudolph.
Rudolph, Frederic C., and R. T. Watts, New York, N. Y., assignors to The Enterprise Manufacturing Company of Pennsylvania, Philadelphia, Pa. Coffee mill with overload release means. 2,526,160, Oct. 17.
Rudolph, Nathan H., Aurora, Ill., assignor to All-Steel-Equip Company. Locker latch. 2,498,508, Feb. 21.
Rudolph, Sidney J., Pittsburgh, Pa. Receptacle for letters and similar papers. 2,512,972, June 27.
Rudolph Wurlitzer Company, The, assignee : *See*—
Hull, Charles J.
Rudorf, George : *See*—
Dickie, William A., and Rudorf.
Rudorff, Dagobert W., London, England. Apparatus and method for cutting materials. 2,526,423, Oct. 17.
Rudy Furnace Company, assignee : *See*—
Polad, Thomas H.

Rudy, Jay B., New Philadelphia, Ohio. Fish bait. 2,520,065, Aug. 22.

Rue, Harold E., assignor to Pabst Brewing Company, Wauwatosa, Wis. Cap preheating and feeding structure. 2,501,291, Mar. 21.

Ruedy, John E.: *See*—
Flory, Leslie E., Ruedy, and Morton.

Ruegg-Naegeli & Cie, Aktiengesellschaft, assignee: *See*—
Brunhart, Bruno.

Ruegg, Rudolf, assignor to Aktiengesellschaft Fuer Technische Studien, Zurich, Switzerland. Operating gas heater for thermal power plants. 2,495,550, Jan. 24.

Ruegg, Rudolf, assignor to Aktiengesellschaft Fuer Technische Studien, Zurich, Switzerland. Multiple tube gas heating furnace with movable tube suspension means. 2,524,637, Oct. 3.

Rueggeberg, Walter H. C., and W. A. Cook, U. S. Army. Production of DDT. 2,500,961, Mar. 21.

Ruehlen, Forrest N.: *See*—
Mayland, Bertrand J., Ruehlen, and White.

Ruemelin, Richard, Milwaukee, Wis. Automatic belt tensioning device. 2,511,445, June 13.

Rueter, Earle F., Milwaukee, assignor to Unit Crane & Shovel Corp., West Allis, Wis. Safety boom stop. 2,529,193, Nov. 7.

Ruetz, George D., Racine, Wis. Clamp. 2,504,455, Apr. 18.

Ruetz, Josef, Biel, Switzerland. Container with cap locking device. 2,532,641, Dec. 5.

Ruetz, Theodor, Zurich, Switzerland. Mechanical lighter. 2,511,997, June 20.

Ruff, Alonzo W., York, Pa., assignor to Harvey-Whipple, Inc., Springfield, Mass. Combined combustion chamber and heat exchanger. 2,514,011, July 4.

Ruff, Alonzo W., assignor to V. C. Patterson & Associates, Inc., York, Pa. Heat pump water heater and heat exchange. 2,516,093, July 18.

Ruff, Alonzo W., assignor to V. C. Patterson & Associates, Inc., York, Pa. Heat pump water heater. 2,516,094, July 18.

Ruff, Raymond, East Chicago, Ind. Electric fish plug. 2,528,083, Oct. 31.

Ruffin, Andrew E., Philadelphia, Pa. Novelty box. 2,501,694, Mar. 28.

Rufolo, Anthony, New York, N. Y. Dielectric test apparatus. 2,532,336, Dec. 5.

Rug, John P.: *See*—
Cole, Dana W., Gull, Pontius and Rug.

Rugg, E. T., Company, The, assignee: *See*—
Grobowski, Benny T.
Grobowski, Benny T., and Arndt.

Rugg, Harold H.: *See*—
West, Charles P., Rugg, and Pierson.

Ruggieri, Ernest P., North Arlington, N. J., assignor to Radio Corporation of America. Manufacture of metal to metal duplications. 2,530,842, Nov. 21.

Ruggiero, Anthony C., Brooklyn, N. Y. Window washing device. 2,499,880, Mar. 7.

Ruggles, Albert C., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. 4,4′-di-(sec-alkylamino)-diphenylamines. 2,494,059, Jan. 10.

Ruggles, David M.: *See*—
Barry, Joseph F., and Ruggles.

Ruggles-Klingemann Mfg. Co., assignee: *See*—
Kimball, Linwood.

Rugh, James A., Chicago, Ill. Hair treatment tray. 2,501,829, Mar. 28.

Rugh, James A., Chicago, Ill. Switch holding and release mechanism. 2,534,797, Dec. 19.

Rugh, Weldon E., Indianapolis, Ind., assignor, by mesne assignments, to The Marquette Metal Products Company, Cleveland, Ohio. Overload release mechanism. 2,528,477, Oct. 31.

Ruhemann, Martin, assignor to Petrocarbon Limited, London, England. Separation of hydrocarbon gases at low temperature. 2,522,640, Sept. 19.

Ruhl, George H., U. S. Navy. Diver's helmet for welding and burning. 2,517,600, Aug. 8.

Ruhl, George W.: *See*—
Davis, Harry A., and Ruhl.

Ruhland, Ludwig, Secaucus, N. J. Method and mold for making elastic bags. 2,509,531, May 30.

Ruhland, Sidney, New York, N. Y. Pocket receptacle for dispensing ticker tape. 2,517,445, Aug. 1.

Ruigh, William L., Summit, assignor to Nopco Chemical Company, Harrison, N. J. Production of 7-dehydrosterols. 2,500,576, Mar. 14.

Ruiz, Alfonso J., Corpus Christi, Tex., and S. C. Jamieson, U. S. Navy. "Rotozone" deflection trainer. 2,519,402, Aug. 22.

Ruiz, Alfonso J., Corpus Christi, Tex., and E. J. Kupjack, U. S. Navy. Free gunnery trainer. 2,520,964, Sept. 5.

Ruiz, Alfonso J., Corpus Christi, Tex., and E. J. Kupjack, U. S. Navy. Electronic timer. 2,534,299, Dec. 19.

Ruiz, Frank, New Orleans, La. Fishing rod tip. 2,525,948, Oct. 17.

Ruka, William, Racine, Wis. Coaster pan. 2,493,315, Jan. 3.

Rule, Bruce H., Pasadena, Calif., assignor to the United States of America as represented by the Secretary of the Navy. Impulse emitting device. 2,520,814, Aug. 29.

Rule, Tom E., Stockton-on-Tees, assignor of one-half to F. G. Mitchell, London, England. Making fly ash containing building blocks. 2,527,766, Oct. 31.

Rulison, Raymond L., Scotch Plains, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Making assemblies of resistor bodies. 2,505,066, Apr. 25.

Rumbaugh, John R., Los Angeles, Calif. Orifice fitting. 2,497,139, Feb. 14.

Rumbaugh, Lynn H.: *See*—
Perlow, Gilbert J., and Rumbaugh.

Rumble, Roy W., Pretoria, Transvaal, Union of South Africa. Core shuttering suitable for molding hollow walls. 2,501,877, Mar. 28.

Rumble, Roy W., Pretoria, Transvaal, Union of South Africa. Foundation templet for buildings. 2,518,186, Aug. 8.

Rumble, Roy W., Pretoria, Transvaal, Union of South Africa. Concrete roof. 2,527,035, Oct. 24.

Rumbold, John S., New Haven, Conn., assignor to United States Rubber Company, New York, N. Y. Creaming of mixtures of synthetic rubber latices of different average particle sizes. 2,494,002, Jan. 10.

Rumbold, John S., Woodbridge, Conn., assignor to United States Rubber Company, New York, N. Y. Creaming of natural rubber latex. 2,534,374, Dec. 19.

Rumbold, John S., Woodbridge, Conn., assignor to United States Rubber Company, New York, N. Y. Creaming of natural rubber latex. 2,534,375, Dec. 19.

Ruml, Wentzle, Jr., East Orange, N. J. Receiver cap for earrings. 2,501,830, Mar. 28.

Ruml, Wentzle, Jr., East Orange, N. J. Utility bag. 2,505,208, Apr. 25.

Rummelsburg, Alfred L.: *See*—
Koch, William, and Rummelsburg.

Rummelsburg, Alfred L., assignor to Hercules Powder Company, Wilmington, Del. Dehydrogenated rosin refining. 2,510,297, June 6.

Rummelsburg, Alfred L., assignor to Hercules Powder Company, Wilmington, Del. Salts of condensates of rosin with unsaturated acyclic hydrocarbons. 2,527,577, Oct. 31.

Rummelsburg, Alfred L., assignor to Hercules Powder Company, Wilmington, Del. Salts of condensates of rosin with unsaturated cyclic hydrocarbons. 2,527,578, Oct. 31.

Rummelsburg, Alfred L., assignor to Hercules Powder Company, Wilmington, Del. Condensates of rosin with unsaturated carbocylic compounds. 2,532,120, Nov. 28.

Rummelsburg, Alvin S., East Rockaway, assignor to Eveready Hardware Mfg. Co., Inc., New York, N. Y. Cabinet door catch. 2,511,998, June 20.

Rummery, Frank O.: *See*—
Allan, Benjamin W., and Rummery.

Rummins, Richard E., Massillon, Ohio. Mill. 2,495,387, Jan. 24.

Rumpf, Rupert L., Jr., Catonsville, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Oscillator tank circuit configuration. 2,530,995, Nov. 21.

Rumscheidt, Gottfried E.: *See*—
De Nie, Willem L. J., and Rumscheidt.

Rumsey, Herbert, Jr., Rochester, N. Y. Wrapping and twisting machine. 2,514,293, July 4.

Rumsey, Victor H., Washington, D. C., assignor to the Minister of Supply in His Majesty's Government of the United Kingdom of Great Britain and Northern Ireland, London, England. Antenna. 2,524,993, Oct. 10.

Runde, Kenneth R., Lemay, assignor to J. R. Kearney Corporation, St. Louis, Mo. Electrical connector. 2,514,418, July 11.

Runde, Kenneth R., Lemay, and N. J. Rees, assignors to James R. Kearney Corporation, St. Louis, Mo. Guy guard. 2,511,012, June 13.

Rundell, Raymond R., Miami, Fla. Sound producing device. 2,504,456, Apr. 18.

Rundell, Raymond R., Miami, Fla. Variable sound device. 2,504,457, Apr. 18.

Rundell, Raymond R., Miami, Fla. Universal all wire holder. 2,517,244, Aug. 1.

Rundell, Theodore W., Abington, assignor to Philco Corporation, Philadelphia, Pa. Refrigerator having a baffle structure. 2,510,758, June 6.

Rundorff, Charles E., Detroit, assignor to National Twist Drill & Tool Company, Rochester, Mich. Toolholder. 2,511,416, June 13.

Rundquist, Carl J.: *See*—
Mueller, William L., Rundquist, and Skarin.

Rundquist, Roy O., assignor to Pelouze Manufacturing Co., Chicago, Ill. Weighing device. 2,503,218, Apr. 4.

Runge, Frank E.: *See*—
Stone, Robert L., and Runge.

Runge, Richard M., assignor to The Miller Company, Meriden, Conn. Inbuilt lighting equipment. 2,518,724, Aug. 15.

Runkles, Elsie M., Detroit, Mich. Armchair with table attachment. 2,518,381, Aug. 8.

Runnells, Frederick O., Detroit, Mich. Conduit cutter. 2,517,355, Aug. 1.

Runstedler, Harold W., Erie, Pa. Vibratory foot massage device. 2,521,874, Sept. 12.

Runstein, John J.: *See*—
Potter, Edward, and Runstein.

Runyan, Ivy V., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Mixtures of polyvinyl ethers with phenolacetylene resins. 2,531,364, Nov. 21.
Runyen, David, Grand Rapids, Mich. Trailer step. 2,533,050, Dec. 5.
Ruona, Arthur E., Fairfax, Minn. Variable volume rotary vane pump. 2,498,826, Feb. 28.
Rupe, Jack H.: *See*—
Clarkson, William S., and Rupe.
Ruple, Oliver R.: *See*—
Gliha, Anthony I., and Ruple.
Rupley, Frederick L., Cincinnati, Ohio, assignor to Merz Engineering Co., Indianapolis, Ind. Hardness tester. 2,498,136, Feb. 21.
Rupley, Frederick L., Cincinnati, Ohio, assignor to The Merz Engineering Company, Indianapolis, Ind. Gauge head for cylindrical bores. 2,501,965, Mar. 28.
Rupnow, Harvey W., assignee: *See*—
Economous, William.
Rupp, Adam, Keller's Church, Pa. Ventilator for grain bins. 2,521,118, Sept. 5.
Rupp, John L., Williamsville, N. Y., assignor to National Battery Company, St. Paul, Minn. Storage battery grid. 2,503,970, Apr. 11.
Rupp, Walter H., Mountainside, N. J., assignor to Standard Oil Development Company. Distillation of C_1–C_6 hydrocarbon mixtures. 2,514,294, July 4.
Rupp, Walter H., Mountainside, N. J., assignor to Standard Oil Development Company. Production of gases rich in hydrogen. 2,514,340, July 5.
Rupp, Walter H., Mountainside, N. J., assignor to Standard Oil Development Company. Liquefaction of methane. 2,529,312, Nov. 7.
Rupp, Walter H., Mountainside, and J. W. Packie, Green Village, N. J., assignors to Standard Oil Development Company. Isobutylene purification system. 2,509,885, May 30.
Ruppe, Daniel T., Star, N. C. Automatic trailer brake. 2,502,889, Apr. 4.
Ruppert, Gustave J., Los Angeles, Calif., assignor to North American Aviation, Inc. Bomb sway brace. 2,526,903, Oct. 24.
Ruppert, Thomas O., Arlington, Va. Newspaper rack. 2,518,070, Aug. 8.
Rusch, Carl L., Oconto, assignor of one-half to A. Swaer, Pensaukee, Wis. Glass-supporting means. 2,521,608, Sept. 5.
Rüsch, Gustav O. K.: *See*—
Christiansen, Christian, and Rüsch.
Ruschmann, Henry F., Bernardsville, N. J. Film clip. 2,502,890, Apr. 4.
Rush, Ralph M., assignor to Dravo Corporation, Pittsburgh, Pa. Direct-fired, hot-air heating apparatus. 2,512,384, June 20.
Rush, Ralph M., assignor to Dravo Corporation, Pittsburgh, Pa. Direct fired hot-air heating apparatus. 2,529,574, Nov. 14.
Rush, Thomas C., Mansfield, Mo. Linoleum and asphalt tile remover. 2,520,066, Aug. 22.
Rush, Thomas L., Cleveland, Ohio. Can opener. 2,532,121, Nov. 28.
Rushforth, Leonard: *See*—
Davies, Leonard J., Rushforth, Sinclair, and Milner.
Rushmer, Ralph H., and G. J. Goepfert, assignors to The Carborundum Company, Niagara Falls, N. Y. Manufacturing abrasive articles. 2,509,652, May 30.
Rushworth, David, West Bridgford, England. Self-winding reel for cables and the like. 2,518,071, Aug. 8.
Rushworth, David, West Bridgford, England. Reel for portable electrically operated tools. 2,518,072, Aug. 8.
Rusk, Edward I.: *See*—
Sylvester, Harcourt M., and Rusk.
Rusk, Rogers D., South Hadley, Mass., assignor to Induction Heating Corporation, New York, N. Y. Electrical inverter system. 2,502,673, Apr. 4.
Ruska Instrument Corporation, assignee: *See*—
Ruska, Walter.
Ruska, Walter, assignor to Ruska Instrument Corporation, Houston, Tex. Magnetic measuring instrument. 2,501,538, Mar. 21.
Ruskin, Simon L.: *See*—
Bakst, Aaron, and Ruskin.
Russ, Edward F., Euclid, Ohio. Automatic level hose winder. 2,494,003, Jan. 10.
Russ, John J.: *See*—
Reeder, Wendell, and Russ.
Russell, Alexander G., Hinsdale, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Plating rack. 2,511,128, June 13.
Russell, Allen B., Jr., Kansas City, Mo. Combination advertising and illuminating fixture. 2,507,350, May 9.
Russell, Alva G., assignor to Pitney-Bowes, Inc., Stamford, Conn. Differential actuating mechanism. 2,530,996, Nov. 21.
Russell, Alva G., assignor to Pitney-Bowes, Inc., Stamford, Conn. Differential actuator. 2,534,376, Dec. 19.
Russell, Andrew C., Shawnee, Okla. Carburetor. 2,506,812, May 9.
Russell, Andrew C., Shawnee, Okla. Floatless carburetor. 2,529,665, Nov. 14.
Russell, Arthur H., Fort Worth, Tex. Leak clamp. 2,504,881, Apr. 18.
Russell, Benjamin F., Los Angeles, Calif. Utensil cleaning device. 2,508,541, May 23.
Russell, Benjamin F., assignor to J. E. Minds, Los Angeles, Calif. Wound protector. 2,520,436, Aug. 29.
Russell, Carl, and H. R. Kiel, Downey, Calif. Thread anvil. 2,530,267, Nov. 14.
Russell, Cecil A.: *See*—
Jensen, Jens A., and Russell.
Russell, Columbus B., Seattle, Wash. Complete wax paper dispenser of plastic. 2,509,843, May 30.
Russell, Columbus B., Seattle, Wash. Plastic refill wax paper dispenser. 2,533,841, Dec. 12.
Russell, Earl L., assignor to The Rola Company, Inc., Cleveland, Ohio. Permanent magnet electrodynamic loud-speaker. 2,524,836, Oct. 10.
Russell, Edward A., and F. B. Rutherford, Chicago, Ill., assignors, by mesne assignments, to Vapor Heating Corporation. Combined radiant and air heating system. 2,534,148, Dec. 12.
Russell, Edward S., assignee: *See*—
Tower, George C.
Russell, Ernest S., Wraysbury, England. Air siren giving sharp tones of short duration. 2,535,520, Dec. 26.
Russell, F. L., Corporation, assignee: *See*—
Rose, Joseph P.
Russell, Francis R., Scotch Plains, N. J., assignor to Standard Oil Development Company. Noncatalytic alkylation under high pressure. 2,519,072, Aug. 15.
Russell, Franklin G., assignee: *See*—
Peacock, Thomas W.
Russell, Fred J.: *See*—
Solovieff, George B., and Russell.
Russell, George F.: *See*—
Mann, Julius W., and Russell.
Russell, Irving H., Oak Park, assignor to Sloan Valve Company, Chicago, Ill. Automatic polishing machine. 2,507,998, May 16.
Russell, Irving H., Oak Park, assignor to Sloan Valve Company, Chicago, Ill. Water closet construction. 2,529,633, Nov. 14.
Russell, Irving H., Oak Park, and J. A. Sloan, River Forest, assignors to Sloan Valve Company, Chicago, Ill. Water closet construction. 2,529,632, Nov. 14.
Russell, James L., and E. E. Herman, Washington, D. C. Device for the elimination of random signals from a recurrent wave source. 2,524,837, Oct. 10.
Russell, John D., Franklin, assignor to Joy Manufacturing Company, Pittsburgh, Pa. Electrical controlling apparatus. 2,512,880, June 27.
Russell, John D., Victory Heights, and J. W. Woolf, Franklin, assignors to Joy Manufacturing Company, Pittsburgh, Pa. Liquid contactor. 2,501,292, Mar. 21.
Russell, John K., North Hollywood, assignor to Luber-Finer Incorporated, Los Angeles, Calif. Filter. 2,519,506, Aug. 22.
Russell, John L., Naugatuck, assignor to The Bristol Company, Waterbury, Conn. Thermocouple structure. 2,517,033, Aug. 1.
Russell, Linus E.: *See*—
Peters, George E., and Russell.
Russell Manufacturing Company, The, assignee: *See*—
Brownlow, David B., and Markeski.
Masbruch, Henry.
Russell, Mark, Beverly, and A. E. Rainville, Arlington, Mass. Attachment for metal cutting machines. 2,493,033, Jan. 3.
Russell, Nelson B.: *See*—
Bond, Donald C., and Russell.
Russell, Robert C.: *See*—
Gunning, Maximiliaan F., and Russell.
Russell, Robert C., Cleveland Heights, Ohio. Brake. 2,496,497, Feb. 7.
Russell, Robert C., assignor to Eaton Manufacturing Company, Cleveland, Ohio. Electrical switch mechanism. 2,499,166, Feb. 28.
Russell, Robert C., Cleveland Heights, assignor to Eaton Manufacturing Company, Cleveland, Ohio. Magnetic clutch. 2,530,180, Nov. 14.
Russell, Robert G.: *See*—
Tooley, Fay V., Russell, and Wiley.
Wiley, Ronald B., and Russell.
Russell, Robert G., and R. H. Donnald, Newark, assignors to Owens-Corning Fiberglas Corporation, Toledo, Ohio. Apparatus for gaseous fuel analysis. 2,523,721, Sept. 26.
Russell, Robert P., New York, N. Y., assignor to Standard Oil Development Company. Herbicide. 2,514,341, July 4.
Russell, Sam W., Knoxville, Tenn. Tractor-truck and trailer brake equipment. 2,523,846, Sept. 26.
Russell, Stanley A., Baldwin, assignor of one-third to W. A. Campbell, Valatie, N. Y. Cable release for camera shutters. 2,493,728, Jan. 3.
Russell, Stanley D., assignor to J. I. Case Company, Racine, Wis. Belt tightener. 2,494,360, Jan. 10.
Russell, Stanley D., assignor to J. I. Case Company, Racine, Wis. Harvesting forage crops. 2,503,416, Apr. 11.
Russell, Stanley D., assignor to J. I. Case Company, Racine, Wis. Bale tie stretcher. 2,505,209, Apr. 25.
Russell, Stanley D., assignor to J. I. Case Company, Racine, Wis. Pickup device for balers. 2,524,233, Oct. 3.
Russell, Stanley D., assignor to J. I. Case Company, Racine, Wis. Baler and venting means. 2,532,947, Dec. 5.
Russell, T. J. Duke, Studio City, Calif. Dispensing closure. 2,529,817, Nov. 14.

Russell, William F., Norwalk, Conn., assignor to R. T. Vanderbilt Company, Inc., New York, N. Y. Preparation of benzothiazoles. 2,509,453, May 30.
Russell, William F., Norwalk, Conn., assignor to R. T. Vanderbilt Company, Inc., New York, N. Y. Salts of benzothiazyl sulfinic acids. 2,509,454, May 30.
Russell, William H.: *See*—
Frazee, John D., and Russell.
Russell, William J., Newington, Conn., assignor, by mesne assignments, to Crosley Division, Avco Manufacturing Corporation, Cincinnati, Ohio. Vibration damping device for laundry machines. 2,526,048, Oct. 17.
Russell, William J., Newington, and O. M. Anderson, New Britain, Conn., assignors, by mesne assignments, to Crosley Division, Avco Manufacturing Corporation, Cincinnati, Ohio. Vibration dampener for laundry machines. 2,510,836, June 6.
Russell, William L., College Station, Tex. Method and apparatus for well logging. 2,524,360, Oct. 3.
Russell, William S.: *See*—
Gibson, Robert C., and Russell.
Russell, William W.: *See*—
Huey, Harold I., and Russell.
Russenberger, Max, assignor to Alfred J. Amsler & Co., Schaffhausen, Switzerland. Hydraulic testing machine for the pulsatory testing of test specimens. 2,530,483, Nov. 21.
Russey, Edward S., Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Thrust washer. 2,523,847, Sept. 26.
Russey, Edward S., Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Transmission control. 2,527,965, Oct. 31.
Rust, David J., and J. H. Jensen, assignors to Ry-Lock Company, Inc., San Leandro, Calif. Window screen. 2,500,470, Mar. 14.
Rust, David J., and J. H. Jensen, assignors to Ry-Lock Company, Ltd., San Leandro, Calif. End bar support for tension type frameless window screens. 2,525,149, Oct. 10.
Rust, Frederick F.: *See*—
Vaughan, William E., and Rust.
Rust, Frederick F., W. E. Vaughan, and R. W. Wheatcroft, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Halogenation of peroxides. 2,501,966, Mar. 28.
Rust, Frederick F., Berkeley, and F. H. Dickey, Los Angeles, assignors to Shell Development Company, San Francisco, Calif. Unsaturated organic peroxide and making same. 2,516,649, July 25.
Rust, Frederick F., and W. E. Vaughan, Berkeley, and F. H. Seubold, Los Angeles, assignors to Shell Development Company, San Francisco, Calif. Production of glycol diesters of aromatic acids. 2,518,940, Aug. 15.
Rust, Frederick F., A. R. Stiles, and W. E. Vaughan, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Sulfonyl derivatives of di-tertiaryalkyl peroxides and their production. 2,519,403, Aug. 22.
Rust, Frederick F., Oakland, A. R. Stiles, and W. E. Vaughan, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Peroxidic sulfonic acids and salts. 2,524,084, Oct. 3.
Rust, Frederick F., Oakland, A. R. Stiles, and W. E. Vaughan, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Peroxy-substituted persulfonates. 2,536,008, Dec. 26.
Rust, John B.: *See*—
MacKenzie, Charles A., and Rust.
Rust, John B., East Hanover, N. J., assignor of one-half to Montclair Research Corporation, and one-half to Ellis-Foster Company. Tall oil esters and making them. 2,503,772, Apr. 11.
Rust, John B., assignor of one-half to Montclair Research Corporation and one-half to Ellis-Foster Company, Montclair, N. J. Textile treating products and making. 2,510,522, June 6.
Rust, John B., Montclair, N. J., assignor of one-half to Montclair Research Corporation and one-half to Ellis-Foster Company. Copolymers of silicon derivatives. 2,511,296, June 13.
Rust, John B., Montclair, N. J., assignor of one-half to Montclair Research Corporation and one-half to Ellis-Foster Company. Wool shrinkproofing baths containing butadiene copolymers and their utilization. 2,514,517, July 11.
Rust, John B., Montclair, N. J., assignor of one-half to Montclair Research Corporation and one-half to Ellis-Foster Company. Modified natural resin ester copolymers and making same. 2,518,494, Aug. 15.
Rust, John B., Montclair, N. J., assignor of one-half to Montclair Research Corporation and one-half to Ellis-Foster Company. Rosin ester reaction products and making same. 2,518,495, Aug. 15.
Rust, John B., Montclair, N. J., assignor of one-half to Montclair Research Corporation and one-half to Ellis-Foster Company. Reaction products of rosin esters and preparing same. 2,518,496, Aug. 15.
Rust, John B., Montclair, N. J., assignor of one-half to Montclair Research Corporation and one-half to Ellis-Foster Company. Unsaturated fatty acid modified rosin esters and preparing same. 2,518,497, Aug. 15.
Rust, John B., West Orange, N. J., assignor of one-half to Montclair Research Corporation and one-half to Ellis-Foster Company. Water-repellent textiles and making same. 2,528,554, Nov. 7.
Rust, John B., West Orange, and H. V. Joy, Montclair, N. J., assignors of one-half to Montclair Research Corporation and one-half to Ellis-Foster Company. Silicon oxide resins and making same. 2,505,431, Apr. 25.
Rust, John B., Montclair, and C. A. MacKenzie, Upper Montclair, N. J., assignors of one-half to Montclair Research Corporation and one-half to Ellis-Foster Company. Oxidation of alkoxy hydrocarbon silanes. 2,506,616, May 9.
Rust, John B., Montclair, and C. A. MacKenzie, Upper Montclair, N. J., assignors of one-half to Montclair Research Corporation and one-half to Ellis-Foster Company. Oxidative polymerization of silicic acid esters. 2,507,422, May 9.
Rust, John B., Montclair, and L. Spialter, Irvington, N. J., assignors of one-half to Montclair Research Corporation, and one-half to Ellis-Foster Company. Esters of antimonous acids and preparing same. 2,511,013, June 13.
Rust, John B., Montclair, and C. A. MacKenzie, East Orange, N. J., assignors of one-half to Montclair Research Corporation, and one-half to Ellis-Foster Company. Air blowing of hydrocarbon alkoxy silanes and products. 2,511,297, June 13.
Rust, John B., East Hanover, and W. B. Canfield, Montclair, N. J., assignors of one-half to Montclair Research Corporation, and one-half to Ellis-Foster Company. Water repellent fabrics and composition and process for making same. 2,524,022, Sept. 26.
Rust, John B., and W. B. Canfield, Montclair, N. J., assignors of one-half to Montclair Research Corporation, and one-half to Ellis-Foster Company. Modified drying oil-alkyd resins and making them. 2,530,315, Nov. 14.
Rust, John B., and W. B. Canfield, Montclair, N. J., assignors of one-half to Montclair Research Corporation, and one-half to Ellis-Foster Company. Ester modified drying oil alkyd resins and making same. 2,530,316, Nov. 14.
Rust, John D., Memphis, Tenn. Cotton-picking machine. 2,502,063, Mar. 28.
Rust, John D., Memphis, Tenn. Cotton-picking machine. 2,505,143, Apr. 25.
Rust, John D., Memphis, Tenn. Device for detecting bent spindles. 2,510.258, June 6.
Rust, John D., Memphis, Tenn. Edger for lawn mowers. 2,518,187, Aug. 8.
Rust, John D., Memphis, Tenn. Spindle moistener mechanism. 2,525,184, Oct. 10.
Rust, John D., Memphis, Tenn. Safety means for cotton harvesters. 2,533,630, Dec. 12.
Rust, John D., Memphis, Tenn. End clip for cotton picker spindle slats. 2,533,631, Dec. 12.
Rust, William F., U. S. Navy. Apparatus for training aircraft pilots. 2,526,693, Oct. 24.
Rust, William F., and D. G. Inman, U. S. Navy. Radar training device. 2,505,793, May 2.
Rusterholz, Alexander, Zurich, and H. J. von Baeyer, Baden, assignors to "Patelhold" Patentverwertungs & Elektro-Holding A.-G., Glarus, Switzerland. Cathode-ray tube with secondary intensity control of cathode rays. 2,521,255, Sept. 5.
Rustici, Joseph E., Stamford, Conn. Hollow drum grater with feed screw reinforcing member. 2,529,473, Nov. 7.
Ruston, John, Fairlawn, assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Measurement of percent modulation of video transmitters. 2,521,482, Sept. 5.
Rutenber Electric Co., The, assignee: *See*—
Goldthwaite, Robert S.
Ruth, Arthur P., Houston, Tex. Pumping unit. 2,513,211, June 27.
Ruth, James A., High Point, N. C. Apparatus for applying decalcomanias to hosiery. 2,501,539, Mar. 21.
Ruth, Joseph P., Denver, Colo. Exhaust-gas conditioning means. 2,508,297, May 16.
Ruth, William C.: *See*—
Arvidson, Bengt A., and Ruth.
Ruther, Frank R., Whittier, Calif. Retractable pouring spout. 2,519,705, Aug. 22.
Rutherford, Bernard E., Perrysville, Ohio. Oil drain for bearings. 2,501,235, Mar. 21.
Rutherford Food Corporation, assignee: *See*—
Van Voorst, George.
Rutherford, Frost B.: *See*—
Russell, Edward A., and Rutherford.
Rutherford, Harry T., Baltimore, Md., assignor to Vickers, Incorporated, Detroit, Mich. Crankshaft grinder. 2,531,160, Nov. 21.
Rutherford, Harry T., Baltimore, Md., assignor to Vickers, Incorporated, Detroit, Mich. Crankshaft grinder. 2,531,161, Nov. 21.
Rutherford, Harry T., Baltimore, Md., assignor to Vickers, Incorporated, Detroit, Mich. Crankshaft grinder. 2,531,163, Nov. 21.
Rutherford, Herbert E., Little Falls, assignor to International Engineering Associates, Paterson, N. J. Battery terminal. 2,497,238, Feb. 14.
Rutherford, Herbert E., Paterson, N. J. Battery connector. 2,531,162, Nov. 21.

Rutherford, John T.: *See*—
Clausen, Theodore I., and Rutherford.
Rutherford, Richmond L., Superior, Ariz. Signaling system for use in mine shafts. 2,505,144, Apr. 25.
Rutherford, Robert E.: *See*—
Koch, Stanley J., and Rutherford.
Rutherford, Victor S., East Cleveland, and J. F. English, Jr., Lakewood, Ohio, assignors to Bailey Meter Company. Bolometer. 2,524,478, Oct. 3.
Ruthman, Kenneth S.: *See*—
Willey, Grant S., and Ruthman.
Ruthsatz, Albert R., assignor to The Scholl Mfg. Co., Inc., Chicago, Ill. Cosmetic applicator. 2,518,382, Aug. 8.
Ruthven, Alfred L., Denver, Colo., assignor of three-fifths to himself as trustee for B. R., T. D., and S. A. Ruthven, one-fifth to H. D. Ruthven, and one-fifth to L. R. Ruthven. Tip assembly for parachute projectiles. 2,523,064, Sept. 19.
Ruthven, Betty R., trustee: *See*—
Ruthven, Alfred L.
Ruthven, Helen D., assignee: *See*—
Ruthven, Alfred L.
Ruthven, Louis R., assignee: *See*—
Ruthven, Alfred L.
Ruthven, Sharon A., trustee: *See*—
Ruthven, Alfred L.
Ruthven, Thomas D., trustee: *See*—
Ruthven, Alfred L.
Rutkowski, John J.: *See*—
Domack, Stanley A., Rutkowski, and Sissler.
Rutkowski, Valentine W., Rockville Centre, N. Y. Bed guard. 2,496,068, Jan. 31.
Rutledge, Richard E., Sr., Kansas City, Mo. Self-pointing dividers. 2,501,098, Mar. 21.
Ruud, Ivar O., Oslo, Norway. Electromagnetic driving system. 2,521,653, Sept. 5.
Ruyle, Walter I., Salem, Oreg. Pinless clothesline. 2,520,511, Aug. 29.
Ruza, Frederick, assignor, by mesne assignments, to Paper Container Manufacturing Co., Chicago, Ill. Cup-making machine. 2,497,239, Feb. 14.
Růžička, Jaroslav, Prague-Smichov, Czechoslovakia, assignor to Tatra, národní podnik, Koprivnice. Carburetor arrangement for V-type air cooled engines. 2,525,374, Oct. 10.
Růžička, Jaroslav, Prague-Smichov, Czechoslovakia, assignor to Tatra, národní podnik, Koprivnice. Arrangement of the fuel pump cooling in air-cooled V-type internal-combustion engines. 2,525,375, Oct. 10.
Ruzicka, Leopold, and V. Prelog, Zurich, assignor to Ciba Limited, Basel, Switzerland. Primary alcohols from thiocarboxylic acids and esters. 2,509,171, May 23.
Ryan Aeronautical Co., The, assignee: *See*—
Hearne, Thomas P.
Ryan, Commodore D., and E. P. Drake, Los Angeles, Calif., assignors to Commercial Controls Corporation. Value printing and registering mechanism. 2,516,920, Aug. 1.
Ryan, Commodore D., Los Angeles, F. P. Sager, deceased, by H. L. Sager, executor, Alhambra, H. L. Atherton, and E. R. Bergmark, Los Angeles, Calif., assignors to Commercial Controls Corporation. Interlock structure for postage printing machines. 2,521,023, Sept. 5.
Ryan, Commodore D., and E. P. Drake, Los Angeles, Calif., assignors to Commercial Controls Corporation. Postage meter loading mechanism. 2,521,749, Sept. 12.
Ryan, Commodore D., Los Angeles, and F. P. Sager, deceased, by H. L. Sager, executor, Alhambra, and E. R. Bergmark and H. L. Atherton, Los Angeles, Calif., assignors to Commercial Controls Corporation. Meter locking mechanism for mail treating machines. 2,522,237, Sept. 12.
Ryan, Commodore D., and E. P. Drake, Los Angeles, Calif., assignors to Commercial Controls Corporation. Mounting for detachable printing bars. 2,524,543, Oct. 3.
Ryan, Felix O., Quitaque, Tex. Pneumatic cotton harvester. 2,514,519, July 11.
Ryan, Frank, New York, N. Y. Dehumidifier. 2,527,854, Oct. 31.
Ryan, Franklin A., assignor of twenty per cent to C. T. Snyder, Catasauqua, Pa. Shoelace package. 2,519,706, Aug. 22.
Ryan, Gerald F., Nashville, Tenn. Record device. 2,495,388, Jan. 24.
Ryan, George F., Peabody, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Diagonal grading of shoes and lasts. 2,514,518, July 11.
Ryan, George F., Peabody, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Leather shoe part blank and making. 2,529,818, Nov. 14.
Ryan, Harriet R., Durham, N. H., assignor to The William Carter Company, Needham Heights, Mass. Infant's garment. 2,512,809, June 13.
Ryan, Howard F., Long Beach, Calif. Radius grinder for tools. 2,526,507, Oct. 17.
Ryan, James F., Jr.: *See*—
Derbenwick, Frank, Ryan, and Calhoun.
Ryan, Joseph P., Chicago, Ill. Cementitious composition. 2,493,930, Jan. 10.
Ryan, Lyman H., Colorado Springs, Colo. Hammermill with auxiliary rotor for providing a more effective discharge of material. 2,494,107, Jan. 10.
Ryan, Marion E., Dearborn, Mich., assignor, by mesne assignments, to The Swartzbaugh Manufacturing Company, Toledo, Ohio. Automatically controlled electric pressure cooker. 2,495,603, Jan. 24.
Ryan, Martin A., Bartlesville, Okla., assignor to Phillips Petroleum Company. Combination well tool. 2,501,411, Mar. 21.
Ryan, Patrick P., Trenton, N. J., assignor to St. Regis Paper Company, New York, N. Y. Insulated drip baffle. 2,501,540, Mar. 21.
Ryan, Perley H., Brookline, Mass. Valve. 2,505,145, Apr. 25.
Ryan, Thomas M., Paramus, and W. J. Romlein, Nutley, N. J., assignors to Wright Aeronautical Corporation. Turbine and turbine nozzle construction. 2,526,281, Oct. 17.
Ryan, William H., assignor to Polaroid Corporation, Cambridge, Mass. Process and apparatus for stretching continuous sheet materials. 2,505,146, Apr. 25.
Ryan, William R., Darien, Conn., and S. Levine, assignors to Bendix Aviation Corporation, Brooklyn, N. Y. Depth sounding recorder. 2,501,236, Mar. 21.
Ryberg, John A., Forks, Wash. Ship salvaging apparatus. 2,526,973, Oct. 24.
Ryde, John W.: *See*—
Harris, Norman L., and Ryde.
Ryden, Laurence L., assignor to The Dow Chemical Company, Midland, Mich. Water-emulsion paint. 2,498,712, Feb. 28.
Ryder, Frank A.: *See*—
Collins, Arthur R., Ryder, and Randall.
Randall, Ross D., and Ryder.
Ryder, Frank A., assignor to Stewart-Warner Corporation, Chicago, Ill. Heater. 2,502,345, Mar. 28.
Ryder, Frank A., Chicago, T. Y. Korsgren, Winnetka, and A. R. Collins, Park Ridge, assignors to Stewart-Warner Corporation, Chicago, Ill. Fog suppressing gas burning heater system. 2,517,446, Aug. 1.
Ryder, Harry: *See*—
Kershaw, Norman, and Ryder.
Ryder, Herman, Tacoma, Wash. Combined camera support and shutter release. 2,498,137, Feb. 21.
Ryder, John D., Clinton, Mo. Adjustable governor for fuel feed. 2,506,940, May 9.
Ryder, Leon W., Ripon, Wis. Clothes-washing machine. 2,506,280, May 2.
Ryder, Norris S., Chicago, Ill. Drafting table. 2,515,474, July 18.
Ryder, Robert M.: *See*—
Morton, Jack A., and Ryder.
Rydman, Carl G. A., Los Angeles, Calif. Garment hanger. 2,512,810, June 27.
Rydner, Gustaf W., and R. T. Collins, assignors to General Motors Corporation, Detroit, Mich. Lading impact absorber. 2,494,004, Jan. 10.
Rygård, Leif G.: *See*—
Rygård, Sune O. and L. G.
Rygård, Sune O., and L. G. Rygård, deceased, by S. O. Rygård, administrator, Stockholm, Sweden. Extracting energy waves of certain length from a heated body. 2,510,421, June 6.
Rykert, Willard C.: *See*—
Hayes, Robert A., and Rykert.
Ry-Lock Company, Inc., assignee: *See*—
Rust, David J., and Jensen.
Ryman, Rexford C., San Francisco, Calif. Pressure electrolyzer. 2,494,264, Jan. 10.
Rymann, Walter, assignor to Sulzer Freres, Societe Anonyme, Winterthur, Switzerland. Pump disintegrator. 2,496,359, Feb. 7.
Rymer, Romie G., Akron, Ohio. Control handle for model airplanes. 2,507,053, May 9.
Ryner, Arthur, London, England, assignor to American Aggregate Company, Kansas City, Mo. Producing vesicular molded products from burnt clays, shales, or similar argillaceous material. 2,533,899, Dec. 12.
Rynkiewicz, Henry J., Bound Brook, N. J., assignor to Johnson & Johnson. Sutures. 2,519,404, Aug. 22.
Ryno, Frank J.: *See*—
Miller, Clarence A., Thomson, and Ryno.
Rypinski, Albert B., assignor to D. C. Rypinski, Laurelton, N. Y. Current-limiting and protective arrangement. 2,514,012, July 4.
Rypinski, Della C., assignee: *See*—
Rypinski, Albert B.
Rysdon, Max L., Sioux Falls, S. Dak. Hog fountain. 2,509,455, May 30.
Rysdon, Max L., Sioux Falls, S. Dak. Air distributing system for drying various form bulk produce. 2,524,331, Oct. 3.
Ryselin, Johan W.: *See*—
Bryk, Petri B., and Ryselin.
Ryser, Ernst, assignor to Ri-Ri-Werk A. G., Mendrisio, Tessin, Switzerland. Slider for slide fasteners. 2,524,574, Oct. 3.
Ryser, Frank, Chicago, Ill. Cheese mold. 2,518,188, Aug. 8.
Rystrom, Charles H., Rockford, Ill. Fuel pumping unit. 2,512,072, June 20.
Ryszkowski, Stanley, Chicago, assignor to W. F. Stahl, Kenilworth, Ill. Tube-squaring attachment. 2,519,982, Aug. 22.

Ryznar, John W., La Grange Park, and M. A. Peich, assignors to National Aluminate Corporation, Chicago, Ill. Corrosion inhibiting compositions and method. 2,515,529, July 18.

Rzepela, Stanley, Philadelphia, Pa. Eccentric drive gear. 2,506,110, May 2.

S. A. Machine per l'Industria Dolciaria Carle & Montanari, assignee: *See*—
Cavalieri, Emilio.

S & C Electric Company, assignee: *See*—
Baker, Charles H.
Chase, Harold M.
Lindell, Sigurd I.
Schultheiss, Carl E.

S & D Engineering Company, assignee: *See*—
Dunn, Allen I.

SKF Industries, Inc., assignee: *See*—
Brusca, Joseph L.
Forslund, Bror W., and Hoppe.

S-M-S Corporation, assignee: *See*—
Cox, James C.

S & S Corrugated Paper Machinery Co., Inc., assignee: *See*—
Bascetta, Angelo.
Shields, Albert F.

S & W Fine Foods, Inc., assignee: *See*—
Carroll, Ellsworth W.

Saaf, Fritz A., Aurora, Ill., assignor to All-Steel-Equip Company. Hinge construction. 2,513,366, July 4.

Saaf, Fritz A., and C. M. Abrahamson, Aurora, Ill., assignors to All-Steel Equipment Inc. Index rod for filing cabinets. 2,523,722, Sept. 26.

Saam, Frank, Detroit, Mich. Finger flex device. 2,501,919, Mar. 28.

Saari, Frank E., Chicago, and G. V. W. Roth, Evanston, Ill. Rail sanding device. 2,499,114, Feb. 28.

Saari, Frank E., Chicago, and G. V. W. Roth, Evanston, Ill. Controlling mechanism for sand traps. 2,503,417, Apr. 11.

Saari, H. Sanford, assignee: *See*—
Greenup, Roy T.

Saari, Oliver J., Bronx, N. Y. Fluid pressure intensifying device. 2,508,298, May 16.

Saars, William F.: *See*—
Hanson, Russell O., and Saars.

Saballus, Erwin: *See*—
Fischer, Carl W., and Saballus.

Saballus, Erwin, assignor to The Powers Regulator Company, Chicago, Ill. Automatic restriction valve. 2,509,456, May 30.

Sabath, Albert, Miami Beach, Fla. Combination food container and deodorizer. 2,514,902, July 11.

Sabatini, Ralph, Rego Park, N. Y. Fixture for grinding cutters. 2,532,337, Dec 5.

Sabaut, Edmond R., Brussels, Belgium, assignor to "Elfulux" Societe Anonyme-Holding, Luxemburg, Luxemburg. Furnace electrode with cooling means. 2,499,782, Mar. 7.

Sabbagh, John W.: *See*—
Voelker, Edward M., and Sabbagh.

Sabbia, Jerome R., Bridgeport, assignor to United Aircraft Corporation, East Hartford, Conn. Pilot's quick disconnect of supply lines. 2,494,005, Jan. 10.

Sabbia, Jerome R., Bridgeport, assignor to United Aircraft Corporation, East Hartford, Conn. Single-action safety belt disconnect. 2,494,207, Jan. 10.

Sabbia, Louis S., Brooklyn, N. Y. Lighter. 2,509,941, May 30.

Sabine, David B., Yonkers, N. Y., assignor to The Arlington Chemical Company. Flavor developing composition. 2,512,385 June 20.

Sabine, Maurice: *See*—
Montoriol, Charles E. A., and Sabine.

Sabini, Frederick, Salem, N. J. Self-propelled toy submarine. 2,506,281, May 2.

Sabins, Rolland C., Seattle, Wash. Hatch cover fastener. 2,493,034, Jan. 3.

Sablon, Loulette: *See*—
Rabasse, Marie S., and Sablon.

Sabo, Louis, Astoria, assignor to Del-Sab Corporation, New York, N. Y. Heel breast flap trimming machine. 2,511,999, June 20.

Saboe, Lester W., Carpenter, S. Dak. Portable conveyer. 2,506,684, May 9.

Sabre, Daniel R., Philadelphia, Pa. Machine for manufacturing files. 2,525,949, Oct. 17.

Sacchini, Columbus R., Willoughby, assignor to The Marquette Metal Products Company, Cleveland, Ohio. Windshield wiper mechanism. 2,493,552, Jan. 3.

Sacchini, Columbus R., Willoughby, assignor to The Marquette Metal Products Company, Cleveland, Ohio. Wiping mechanism. 2,511,946, June 20.

Sacchini, Columbus R., Willoughby, assignor to The Marquette Metal Products Company, Cleveland, Ohio. Parking of electrically driven windshield wipers. 2,528,181, Oct 31.

Sacchini, Columbus R., Willoughby, assignor to The Marquette Metal Products Company, Cleveland, Ohio. Drive arm mechanism. 2,533,963, Dec. 12.

Saccoccio, Anthony R., Cranston, R. I. Extension device for bracelets or the like. 2,503,921, Apr. 11.

Sachanen, Alexander N.: *See*—
Brooks, John W., and Sachanen.
Caesar, Philip D., and Sachanen.
Doherty, Harry G., Sachanen, and Seger.
Garwood, William E., Brooks, and Sachanen.
Garwood, William E., Seger, and Sachanen.
Kozacik, Alfred P., and Sachanen.
Seger, Francis M., and Sachanen.
Stover, William A., and Sachanen.

Sachanen, Alexander N., Woodbury, and P. D. Caesar, Wenonah, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Production of benzophenone. 2,528,789, Nov. 7.

Sacharow, Maurice H., assignee: *See*—
Goldstein, Charles W.

Sachs, Aaron, Bessemer, Ala. Metal bar shears. 2,517,447, Aug. 1.

Sachs, Albert G., South Yarra, Victoria, Australia. Ornamental glass for picture and mirror mountings. 2,520,437, Aug. 29.

Sachs, Carrol C., North Hollywood, assignor to Alexander H. Kerr & Co., Inc., Los Angeles, Calif. Wall panel forming machine. 2,523,524, Sept. 26.

Sachs, Carrol C., North Hollywood, assignor to Alexander H. Kerr & Co., Inc., Los Angeles, Calif. Structural panel forming machine and method. 2,523,525, Sept. 26.

Sachs, Carrol C., North Hollywood, and J. Bond, West Los Angeles, assignors to Alexander H. Kerr & Co., Los Angeles, Calif. Catalytic photopolymerization process and compositions. 2,505,067, Apr. 25.

Sachs, Carrol C., North Hollywood, and J. Bond, West Los Angeles, assignors to Alexander H. Kerr & Co., Los Angeles, Calif. Catalytic photopolymerization process and compositions. 2,505,068, Apr. 25.

Sachtleben, Lawrence T., Haddonfield, N. J., assignor to Radio Corporation of America. Photographic sound recording aperture. 2,493,088, Jan. 3.

Sachtleben, Lawrence T., Haddonfield, N. J., assignor to Radio Corporation of America. Monitoring system for sound recording. 2,493,089, Jan. 3.

Sachtleben, Lawrence T., Haddonfield, N. J., assignor to Radio Corporation of America. Variable length optical system without change of magnification. 2,496,069, Jan. 31.

Sachtleben, Lawrence T., Haddonfield, N. J., assignor to Radio Corporation of America. Sound recording, monitoring system. 2,504,590, Apr. 18.

Sachtleben, Lawrence T., Haddonfield, N. J., assignor to Radio Corporation of America. Optical objective system for sound recording. 2,508,892, May 23.

Sachtleben, Lawrence T., Haddonfield, N. J., assignor to Radio Corporation of America. Lens mounting. 2,528,712, Nov. 7.

Sachtleben, Lawrence T., Indianapolis, Ind., assignor to Radio Corporation of America. Motion-picture projection apparatus with adjustable mirror means. 2,505,505, Apr. 25.

Sachtleben, Lawrence T., Haddonfield, N. J., and J. L. Pettus, Sherman Oaks, Calif., assignors to Radio Corporation of America. Unitary recording and optical system. 2,504,591, Apr. 18.

Sachtleben, Lawrence T., Haddonfield, N. J., and J. L. Pettus, Sherman Oaks, Calif., assignors to Radio Corporation of America. Recording and monitoring optical unit. 2,527,454, Oct. 24.

Sachtleber, Rudolph, East Orange, N. J. Internal thread measuring gauge. 2,509,886, May 30.

Sack, Harry, Washington, D. C. Angularly adjustable and collapsible back rest. 2,521,412, Sept. 5.

Sackett, Clifford L.: *See*—
Lindberg, John E., Jr., and Sackett.

Sackner Products, Inc., assignee: *See*—
Kitchen, Harry D.

Sacksteder, Perry O., Seattle, Wash. Weeding attachment for garden hoes. 2,508,542, May 23.

Sackville, William, Berkeley, Calif., assignor to the United States of America as represented by the Secretary of War. Method of and apparatus for locating and tracking a distant body. 2,506,617, May 9.

Saco-Lowell Shops, assignee: *See*—
Blais, Robert M.
Boyden, Frank D.
Burnham, Virgil A., and Anderson.
Gwaltney, Eugene C., Shaw, and MacLean.
Kennedy, John A.

Sadgebury, Herman F.: *See*—
Davidson, John T., Ganger, Crawford, and Sadgebury.

Sadgebury, Herman F., and R. N. Ward, assignors to The Egry Register Company, Dayton, Ohio. Manifolding attachment for typing machines. 2,495,985, Jan. 31.

Sadler, Carl L., Jr.: *See*—
Neal, Robert A., and Sadler, Jr.

Sadler, Harry J., and E. E. Cook, Minneapolis, Minn., said Cook assignor to said Sadler. Pneumatic pressure operated device. 2,500,383, Mar. 14.

Sadler, Harry J., and E. E. Cook, assignors to Hypro Engineering Co., Minneapolis, Minn. Fluid pressure seal for rotary pumps and the like. 2,533,399, Dec. 12.

Sadler, John H., assignee: *See*—
Roy, Arthur C. J.

Sadler, Robert C., assignor to The Selby Shoe Company, Portsmouth, Ohio. Shank taping machine. 2,518,189, Aug. 8.

Sadloski, Stanley P., New Britain, and P. Checkowitz, Hartford, Conn. Shoulder-supported flashlight holder. 2,506,685, May 9.
Sadowski, Edward M., Indianapolis, Ind., assignor to Radio Corporation of America. Plastics molding compositions. 2,515,801, July 18.
Sadowski, Edward M., and W. P. Miller, Indianapolis, Ind., assignors to Radio Corporation of America. Molding composition wherein the binder contains polyvinyl acetal, polyvinyl acetate, and vinsol. 2,508,893, May 23.
Sadowski, Edward M., and E. D. O'Mahony, Indianapolis, Ind., assignors to Radio Corporation of America. Phonograph record containing polyvinyl acetal resins, ethyl cellulose, and soft, low-melting point resins. 2,515,800, July 18.
Sadwith, Ryan, assignor to Ross Industries Corporation, New Brunswick, N. J. Liquid reservoir. 2,527,199, Oct. 24.
Saegert, Marie S., assignee: *See*—
Scavullo, Angelo C.
Safety Car Heating and Lighting Company, Inc., The, assignee: *See*—
Barrows, Clarence G.
Dodds, Robert B.
Schepmoes, Lindsley.
Safety Fumigant Company, assignee: *See*—
Houghton, Harry W.
Safety Household Appliance Corporation, assignee: *See*—
Eichelberger, Edward.
Safety Tire Gauge, Inc., assignee: *See*—
Potts, Clarence P.
Potts, Clarence P., Ellerbe, and Hall.
Safeway Heat Elements, Inc., assignee: *See*—
Ely, Robert S., and Ketcham.
Safeway Mining Machine Corporation, assignee: *See*—
Merchant, George A.
Saffady, Thomas F., Detroit, assignor of one-half to Vogue Recordings, Incorporated, Warren Township, and one-half to W. T. Sevald, Royal Oak, Mich. Sound record disk. 2,528,610, Nov. 7.
Saffady, Thomas F., Detroit, assignor of one-half to Vogue Recordings, Incorporated, Warren Township, and one-half to W. T. Sevald, Royal Oak, Mich. Making illustrated phonograph records. 2,528,611, Nov. 7.
Saffioti, Ralph P., Valley Stream, N. Y. Tool for pulling anchor rods in concrete forms. 2,525,950, Oct. 17.
Saffir, Jacob A., Kew Gardens, N. Y. Hypodermic injection device. 2,512,568, June 20.
Saffir, Jacob A., Los Angeles, Calif. Hypodermic needle. 2,512,569, June 20.
Safford, Moyer M., Schenectady, N. Y., assignor to General Electric Company. Loading paper fibers with organopolysiloxane coated clay. 2,510,661, June 6.
Safford, Robert V., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Conditioning iron catalyst. 2,533,694, Dec. 12.
Safranski, Vincent W., Toledo, Ohio. Dispenser for straws and the like. 2,504,733, Apr. 18.
Saftlas, Samuel, Newark, N. J. Knitting machine. 2,531,649, Nov. 28.
Sagar, Paul B., Cleveland, Ohio. Control apparatus for fluid fuel burners. 2,505,432, Apr. 25.
Sagar, Paul B., Cleveland, Ohio, assignor to General Controls Co., Glendale, Calif. Space-heating control system. 2,510,481, June 6.
Sagaser, George A., Upper Lake, and H. R., Laton, Calif. Low-pressure alarm for tires. 2,523,594, Sept. 26.
Sagaser, Harold A.: *See*—
Sagaser, George A., and H. R.
Sage, Albert M., Belleville, assignor to Steiner-Ives Co., Newark, N. J. Direct gas-fired oven. 2,524,272, Oct. 3.
Sage, Albert M., Belleville, assignor to Stiner-Ives Co., Newark, N. J. Indirect gas-fired oven. 2,527,200, Oct. 24.
Sage, Bruce H.: *See*—
Longwell, Paul A., Ayers and Sage.
Sage, Craig M., Schenectady, N. Y., assignor to General Electric Company. Pigmented coating compositions containing liquid alkyl polysiloxane. 2,523,065, Sept. 19.
Sage, Edwin R., Los Angeles, Calif. Ratchet mechanism for wrenches. 2,507,681, May 16.
Sage, Luther W., Grundy, H. B. Stanton, Richlands, and P. V. McClanahan, Grundy, Va. Mine car. 2,505,583, Apr. 25.
Sagen, Alvin O., assignee: *See*—
Sagen, Lawrence G.
Sagen, Lawrence G., Auburn, N. Y., assignor of one-half to W. T. Sorensen, Salt Lake City, Utah, and one-half to A. O. Sagen, Pensacola, Fla. Apparatus for barbecuing chicken and other fowl. 2,520,067, Aug. 22.
Sagebeer, Richard G., West Hartford, Conn. Time determining device. 2,513,110, June 27.
Sager, Frank P.: *See*—
Ryan, Commodore D., Sager, Bergmark, and Atherton.
Sager, Frank P., deceased: *See*—
Ryan, Commodore D., Sager, Atherton, and Bergmark.
Sager, Harry L., executor: *See*—
Ryan, Commodore D., Sager, Atherton, and Bergmark.
Ryan, Commodore D., Sager, Bergmark and Atherton.
Sager, Irving, Deal, N. J. Line pulse modulator. 2,533,285, Dec. 12.
Sager, Solomon M., Chicago, Ill. Humidor. 2,530,340, Nov. 14.
Sager, Victor, Craig, Colo. Oil filter. 2,507,818, May 16.
Sager, Victor F., Missoula, Mont. Guide for grooving phonograph record disks. 2,500,873, Mar. 14.
Sah, Peter P. T., San Francisco, Calif., assignor to Eli Lilly and Company, Indianapolis, Ind. Bis (4-aminophenyl)-sulfone ascorbate. 2,520,438, Aug. 29.
Sahlin, Eric A., Harrington Park, N. J., assignor to Otis Elevator Company, New York, N. Y. Safety apparatus for elevators. 2,493,553, Jan. 3.
Sahs, Leonard J.: *See*—
Morgan, Robert W., Trometer, and Sahs.
Sahula, Ignatz, Dallas, Tex. Billfold. 2,505,994, May 2.
Said, William H.: *See*—
Cleveland, Robert C., and Said.
Sailer, Rudolph J., Townley, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Work folding and guiding attachment for seaming machines. 2,514,013, July 4.
Sailer, Rudolph J., Townley, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing machines for making fabric tubes. 2,529,575, Nov. 14.
Sailors, Howard R., Bartlesville, Okla., assignor to Phillips Petroleum Company. Wet grinding process. 2,520,439, Aug. 29.
Sailors, Howard R., and H. J. Hepp, Bartlesville, Okla., assignors to Phillips Petroleum Company. Recovery of anhydrous aluminum chloride from a fluid aluminum chloride-hydrocarbon complex. 2,525,830, Oct. 17.
Sainderichin, Nicolas A., Washington, D. C. Apparatus for sintering ores. 2,506,618, May 9.
Saint, Ivor H. G., assignor to Automotive Products Company Limited, Leamington Spa, England. Valve. 2,506,111, May 2.
Saint, Samuel P., Port Washington, assignor to General Railway Signal Company, Rochester, N. Y. Means for airplane approach control. 2,495,139, Jan. 17.
St. Clair, Charles W., assignor to The Coe Manufacturing Company, Painesville, Ohio. Water-heating apparatus. 2,501,012, Mar. 21.
St. Clair, Theodore A., Bartlesville, Okla., assignor to Phillips Petroleum Company. Heater for liquefied gas. 2,501,419, Mar. 21.
St. Clair, Theodore A., South Euclid, assignor to The Weatherhead Company, Cleveland, Ohio. Relief valve. 2,527,381, Oct. 24.
St. Cyr, Louis, Benzonia, Mich. Combination stepladder. 2,525,104, Oct. 10.
St. Denis, Harold J.: *See*—
Robinson, Preston, and St. Denis.
Saint Denis, René L., Beawais, assignor by mesne assignments to Societe Novaceal, Paris, France. Preparing artificial sponges. 2,512,506, June 20.
Sainte-Marie, Dario, assignee: *See*—
Cortes, Rene.
Saint Freres, assignee: *See*—
Pelce, Henri.
St. Germain, Jean B., Johnston, R. I. Lawn and hedge trimmer. 2,522,070, Sept. 12.
St. Germain, William A., Littleton, Colo. Tool-locating gauge. 2,495,487, Jan. 24.
St. Jean, William A., Detroit, Mich. Tool for cutoff and threading operations and the like. 2,514,146, July 4.
St. John, Clyde R.: *See*—
Zeigler, Paul P., and St. John.
St. John & Co., assignee: *See*—
Ristow, John R.
St. Joseph Lead Company, assignee: *See*—
Havenhill, Robert S., and O'Brien.
Weaton, George F., and Isbell.
St. Louis Fly Ash Elimination Company, assignee: *See*—
Miner, Burt N.
St. Louis University, president and board of trustees of, assignee: *See*—
Yntema, Leonard F., and Ksycki.
St. Marie, Arthur M., assignor to T. M. Chapman's Sons Co., Old Town, Maine. Self-punching and retaining paper holder. 2,512,447, June 20.
St. Paul, Jerome M., Scarsdale, N. Y. Folding cart. 2,506,319, May 2.
St. Peter, Cyprian J., Denver, Colo. Windshield attachment. 2,501,013, Mar. 21.
St. Pierre, Albert G., and T. W. Breton, Hartford, Conn. Electric candle lighter. 2,500,584, Mar. 14.
St. Pierre, Eugene, Pawtucket, assignor to Hemphill Company, Central Falls, R. I. Stitch regulating mechanism. 2,510,916, June 6.
St. Pierre, Eugene, Pawtucket, assignor to Hemphill Company, Central Falls, R. I. Controlling yarn. 2,532,467, Dec. 5.
St. Pierre, Eugene, Pawtucket, and J. Wawzonek, assignors to Hemphill Company, Central Falls, R. I. Stitch regulating mechanism. 2,524,578, Oct. 3.
St. Pierre, Eugene, Pawtucket, and J. Wawzonek, assignors to Hemphill Company, Central Falls, R. I. Carrier ring and dial assembly. 2,527,688, Oct. 31.
St. Pierre, Paul L., Pawtucket, assignor to Hemphill Company, Central Falls, R. I. Knitting machine cylinder. 2,522,972, Sept. 19.

St. Regis Paper Company, assignee: *See*—
Burroughs, Edwin E.
Caldwell, William E., Jr.
Hartman, Carl H., Marsh, and Dorrington.
Hoppe, Edgar B.
Lee, Harry E.
Peterson, William R.
Ryan, Patrick P.
Zenke, Herbert J., and Arnold.

St. Thomas Inc., assignee: *See*—
St. Thomas, William H.

St. Thomas, William H., assignor to St. Thomas Inc., Gloversville, N. Y. Combination billfold, purse, and pocket case. 2,512,588, June 20.

St. Thomas, William H., assignor to St. Thomas Inc., Gloversville, N. Y. Combination purse and billfold. 2,512,589, June 20.

St. Thomas, William H., Gloversville, N. Y., assignor to St. Thomas Inc. Combined purse and billfold. 2,531,306, Nov. 21.

Sair, Louis: *See*—
Gunther, James K., and Sair.
Hall, Lloyd A., and Sair.
Turner, John R., and Sair.

Sair, Louis, St. Louis, Mo., and R. Rathman, Decatur, assignors to Central Soya Company, Inc., Fort Wayne, Ind. Preparation of modified soy protein. 2,502,029, Mar. 28.

Sair, Louis, and R. Rathman, Decatur, assignors to Central Soya Company, Inc., Fort Wayne, Ind. Preparation of modified soy protein. 2,502,482, Apr. 4.

Saitta, Vincent F.: *See*—
Terlizzi, Paul M., and Saitta.

Saive, Dieudonné J., Wandre, Belgium. Tilt locking breechblock for automatic firearms. 2,515,315, July 18.

Saives, Léon, assignor to Regie Nationale des Usines Renault, Billancourt, France. Apparatus for the preparation of casting molds. 2,513,212, June 27.

Saives, Leon, assignor to Regie Nationale Des Usines Renault, Billancourt, France. Starter for heavy-oil engines. 2,521,024, Sept. 5.

Sakatos, Michael J., Asbury Park, N. J. Nonsparking switch. 2,499,420, Mar. 7.

Sakirsky, Jack, Bridgeport, Conn., assignor to J. B. Lew, Brooklyn, N. Y. Tension testing apparatus for electric sockets and wire connections. 2,535,988, Dec. 26.

Sakowski, John P., Bayonne, N. J. Apparatus for dispensing and applying alcohol to applicators. 2,495,551, Jan. 24.

Saks, Ira, assignee: *See*—
Kelleher, Daniel.

Saks, Walter R., New York, N. Y. Producing flocked articles. 2,527,501, Oct. 24.

Sala, Paolo, Milan, Italy. Alternating current electromagnet. 2,510,298, June 6.

Salad, Walt, Dundee, N. Y. Lamp. 2,524,638, Oct. 3.

Salas, José A., Caracas, Venezuela, assignor to American Samec Corp., New York, N. Y. Pinking instrument. 2,527,082, Oct. 24.

Salazar, Alfred M., West Islip, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Battery charging system. 2,509,252, May 30.

Salazar, Alfred M., West Islip, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Battery charger. 2,531,472, Nov. 28.

Salcy, Enzo A., Allston, Mass. Tire tread. 2,497,518, Feb. 14.

Salé, Pierre, La Demi-Lune, assignor to Societe Rhodiaceta, Paris, France. Solutions of polyvinyl chloride in a mixture of acetone and perchloroethylene. 2,517,356, Aug. 1.

Sale, William H.: *See*—
Wilson, Otto E., and Sale.

Sale, William H., Richmond, Va. Brake beam support. 2,529,353, Nov. 7.

Sale, William H., Sandston, Va., assignor of one half to E. P. Kelly, Chicago, Ill. Railway brake beam mounting. 2,497,417, Feb. 14.

Sale, William H., Sandston, Va., assignor of one-half to Edmund P. Kelly, Chicago, Ill. Brake beam suspension. 2,529,352, Nov. 7.

Saler, Jules N., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Piston construction. 2,524,273, Oct. 3.

Salerno Machinery Company, assignee: *See*—
Brandt, John R.

Saletnik, Edward F., assignee: *See*—
Turgeon, Edmond.

Salevsky, Florrie E. and H. A., Philadelphia, Pa. Hosiery frame for mending. 2,509,532, May 30.

Salevsky, Florrie E., and H. A., Philadelphia, Pa. Combination mending and pressing device. 2,526,904, Oct. 24.

Salevsky, Henry A.: *See*—
Salevsky, Florrie E. and H. A.

Salfisberg, Leroy L., South Orange, assignor to Ivers-Lee Company, Newark, N. J. Making rectangular flat bags. 2,496,753, Feb. 7.

Salfisberg, Leroy L., South Orange, assignor to Seal-Craft, Incorporated, Newark, N. J. Package crimping machine. 2,500,874, Mar. 14.

Salfisberg, Leroy L., South Orange, assignor to Ivers-Lee Company, Newark, N. J. Web feeding device. 2,512,216, June 20.

Salinger, Hans W. G.: *See*—
Cawein, Madison, and Salinger.

Salinger, Hans W. G., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Electron multiplier. 2,512,683, June 27.

Salinger, Hans W. G., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Electrostatic device for measuring radiant power. 2,516,921, Aug. 1.

Salinger, Hans W. G., and V. R. Bowman, Fort Wayne, Ind., assignors, by mesne assignments, to Farnsworth Research Corporation. Duplex antenna. 2,512,682, June 27.

Salisbury, Frederick L.: *See*—
Ginzton, Edward L., and Salisbury.

Salisbury, Frederick L., Lynbrook, N. Y., assignor to The Sperry Corporation. Grid structure and fabrication. 2,515,267, July 18.

Salisbury, Harold, Esmond, assignor of one-half to E. Welch, Valley Falls, R. I. Light filter. 2,506,813, May 9.

Salisbury, Lenora L., assignee: *See*—
Fair, Fred A.

Salisbury, Leroy F.: *See*—
Coffman, Donald D., Salisbury, and Scott.

Salisbury, Leroy F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Synthesis of vinyl fluorides. 2,519,199, Aug. 15.

Salisbury, Leroy F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing vinylthiazoles. 2,532,573, Dec. 5.

Salisbury, Winfield W., assignor to Collins Radio Company, Cedar Rapids, Iowa. Ultra high frequency radiation indicating system. 2,509,045, May 23.

Säll, Erik, assignor to Aktiebolaget A. Ekströms Maskinaffär, Stockholm, Sweden. Follow-up pressure fluid servomotor. 2,517,718, Aug. 8.

Sallmann, Richard: *See*—
Albrecht, Otto, Sallmann, and Graenacher.

Sallmann, Richard, Gelterkinden, assignor to Ciba Limited, Basel, Switzerland. Water soluble sulfides containing acylated amino groups and preparing same. 2,494,966, Jan. 17.

Sallmann, Richard, Gelterkinden, and C. Graenacher, Riehan, assignors to Ciba Limited, Basel, Switzerland. Cyclic amino-acetals. 2,513,747, July 4.

Salmi, Douglas S., Roscoe, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Threadless bolt. 2,505,915, May 2.

Salminen, Ilmari F., and A. Weissberger, assignors to Eastman Kodak Company, Rochester, N. Y. Cyano acetamino color couplers. 2,507,180, May 9.

Salmon, Eleanor S.: *See*—
Pabst, Arthur C., and Salmon.

Salmon, John E.: *See*—
Green, David F., and Salmon.

Salmon, Joseph G.: *See*—
Ambrose, Edmund J., Pacey, and Salmon.

Salmon, Reginald D.: *See*—
Thompson, Alfred E., and Salmon.

Salmon, Reginald D., assignor to Creed and Company Limited, Croydon, England. Printing telegraph receiver. 2,505,008, Apr. 25.

Salmon, Reginald D., assignor to Creed and Company Limited, Croydon, England. Selector mechanism for printing telegraph receivers. 2,521,750, Sept. 12.

Salmon, Reginald D., assignor to Creed and Company Limited, Croydon, England. Printing telegraph receiver. 2,524,854, Oct. 10.

Salo, John W., Trout Lake, Minn. Ice chisel. 2,514,800, July 11.

Salo, Paul W., and L. J. Huber, Minneapolis, Minn., assignors to General Mills, Inc. Gingerbread mix. 2,496,678, Feb. 7.

Salpeter, Jakob L., Sydney, New South Wales, Australia, assignor to Hartford National Bank & Trust Company, Hartford, Conn., as trustee. Circuits for the operation of fluorescent lamps. 2,503,845, Apr. 11.

Salsbury Corporation, assignee: *See*—
Salsbury, Esley F., and Harris.
Thostenson, Lewis D.

Salsbury, Esley F., and F. W. Harris, Los Angeles, Calif. assignors to Salsbury Corporation. Power transmission. 2,529,743, Nov. 14.

Salt, Francis E.: *See*—
Faulkner, Donald, and Salt.
Salitzenstein, Eugen G., Salt, Stanley, and Weir.

Salt Water Control, Inc., assignee: *See*—
Erwin, Ransome W.

Salter, Elsie H., Los Angeles, Calif. Reading glass with adjustable line guide. 2,521,256, Sept. 5.

Salter, Ernest H., Great Kills, assignor to Electrical Testing Laboratories, Inc., New York, N. Y. Fluorescent lighting circuits and parts for use therein. 2,511,179, June 13.

Salter, Shirly C.: *See*—
Cook, James M., and Salter.

Saltz, Morris A., Los Angeles, Calif., assignor to Rogers Imports, Inc. Tobacco pocket and closure means therefor. 2,519,290, Aug. 15.

Saltzman, Ivan K.: *See*—
Worden, Jesse Loyal, and Saltzman.

Salvadore, Joseph, South Barre, Mass. Bathroom mat. 2,503,174, Apr. 4.

Salvation Army, The, assignee: *See*—
Keeler, Robert L.
Salversen, Charles S., West Englewood, N. J., assignor to The Permutit Company, New York, N. Y. Apparatus for treating liquids. 2,505,916, May 2.
Salvesen, Jörgen R., Wausau, Wis., and C. Harmon, Springfield, Mass., assignors to Marathon Corporation, Rothschild, Wis. Lignin compounds and making same. 2,505,304, Apr. 25.
Salvesen, Jörgen R., Wausau, and W. C. Browning, Schofield, assignors to Marathon Corporation, Rothschild, Wis. Reinforcing polymeric butadiene synthetic rubber with lignosulfonate. 2,533,632, Dec. 12.
Salvetti, Dante: *See*—
Wyckoff, Ralph D.. Fitzwilliam, and Salvetti.
Salvin, Victor S.: *See*—
Seymour, George W., and Salvin.
Seymour, George W., Salvin, and Jones.
Salzman, Ralph I., San Pedro, Calif. Film developing tank with rotatable film carrier. 2,530,734, Nov. 21.
Salzmann, Fritz, assignor to Aktiengesellschaft-Fuer Technische Studien, Zurich, Switzerland. Method of and apparatus for control of thermal power plants of the closed circuit type. 2.495,604, Jan. 24.
Salzmann, John J., Philadelphia, Pa. Vehicle jack. 2,497,960, Feb. 21.
Sam, Sam W.: *See*—
Pawlansky, Sam.
Victor, Samuel.
Samalion, Yetta, Miami Beach, Fla. Flashlight. 2,494,265, Jan. 10.
Sambito, Anthony A., Leominster, Mass. Dispenser for solids and sheets. 2,511,600, June 13.
Samek, Charles T.: *See*—
Gilmer, Peter E., and Samek.
Samer, Rudolf W., Elizabeth, assignor to Hanovia Chemical and Manufacturing Company, Newark, N. J. Temperature calibrated metal vapor discharge lamp. 2,532,463, Dec. 5.
Samet, Frank I., assignor to Faximile, Inc., New York, N. Y. Graphic privacy system. 2,526,694, Oct. 24.
Samiran, David, Dayton, Ohio. Automatic shutoff valve for fuel nozzles. 2,507,545, May 16.
Samiran, David, Fort Wayne, Ind. Continuous flow multiple tank fuel system. 2,535,094, Dec. 26.
Samiran, David, Osborn, Ohio. Aircraft fuel system. 2,516,149, July 25.
Samiran, David, Osborn, Ohio. Continuous flow multiple tank fuel system. 2,516,150, July 25.
Samler, Lee F., Baltimore, assignor to The National Plastic Products Company, Odenton, Md. Polyethylene tape extrusion. 2,499,421, Mar. 7.
Sammann, Harold P., Chicago, Ill. Tape dispenser. 2,495,389, Jan. 24.
Sammis, Louis B., and F. R. Hood, Wallace, Calif. Olive grading machine. 2,526,161, Oct. 17.
Sammy, Louis, Gary, Ind. Bun slicing machine. 2,497,187, Feb. 14.
Samojedny, Helen: *See*—
Best, Edna E., and Samojedny.
Sampietro, Achilles C., and D. R. Robertson, London, England. Control means of clutches. 2,513,521, July 4.
Sample, Aaron C., deceased, Seattle, Wash.; L. M. Sample, administratrix of said Aaron C. Sample. Self-locking nut for notched bolts. 2,521,257, Sept. 5.
Sample, Basil S.: *See*—
Fletcher, William A., Sample, and Todd.
Nichols, Charles A., Bower, Edwards, Fletcher, McCoy, Sample, and Weiser.
Sample, Lillian M., administratrix: *See*—
Sample, Aaron C.
Sampliner, S. Eldridge, assignee: *See*—
Bergeron, Lawrence G.
Sampsel Time Control, Inc., assignee: *See*—
Fuchs, William F.
Sampsel Time Control, Inc.: *See*—
Ratazak, Bernard.
White, Edgar G.
Sampson, Frederick W., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Freezing tray. 2,496,133, Jan. 31.
Sampson, Frederick W., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Freezing tray. 2,516,257, July 25.
Sampson, Frederick W., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Mechanical freezing tray. 2,525,273, Oct. 10.
Sampson, J. Philip, assignee: *See*—
Poor, Henry I.
Sampson, Ole, Osceola, Mo. Swath lifter for windrowed grain. 2,529,422, Nov. 7.
Sampson, Richard J., and E. A. Gatzke, Cleveland, Ohio. Auxiliary radio for automobiles and circuit therefor. 2,521,129, Sept. 5.
Sampson, William, and R. L. J. Hayden, Aldwych, London, England, assignors, by mesne assignments, to Foster Wheeler Corporation, New York, N. Y. Refrigerating plant. 2,521,751, Sept. 12.
Sams, Herbert W., Atlanta, Ga., assignor to Scripto, Inc. Mechanical pencil. 2,494,967, Jan. 17.
Samsel, Richard W.: *See*—
Berry, Theodore M., and Samsel.
Samson, Joseph, assignor to himself and H. Masonek, San Francisco, Calif., jointly. Floor lamp guide light. 2,528,555, Nov 7.
Samson, Kurt A. R., Beckenham, assignor to Cinema-Television Limited, London, England. Electron discharge device. 2,520.512, Aug. 29.
Samson, Meyer: *See*—
Brown, Herman, and Samson.
Samuel, Arthur L., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Ultra high frequency ionic discharge switch device. 2,533,512, Dec. 12.
Samuel, Ludwig, Indianapolis, Ind. Garment hanger. 2,531,894, Nov. 28.
Samuel Stamping and Enameling Company, assignee: *See*—
Zimbelman, George W.
Samuels, Harry, New York, N. Y. Exhaustion indicator. 2,524,274, Oct. 3.
Samuels, Sydney J., Jamaica, assignor to Bernhard Ulmann Co., Inc., Long Island City, N. Y. Knitting guide and knitting. 2,511,947, June 20.
Samuelson, Edward W., Menahga, Minn. Sawhorse bracket. 2,506,389, May 2.
Samuelson, Richard K., Indianapolis, Ind. Golf club carrier. 2,513,055, June 27.
Samuelson, Wallace H. E., Weehawken, N. J., assignor, by mesne assignments, to Reeves Hoffman Corporation, Carlisle, Pa. Quartz oscillator plate. 2,497,275, Feb. 14.
Samzelius, John W., Eggertsville, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Brush holder. 2,495,184, Jan. 17.
Samzelius, John W., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Sealed sleeve bearing. 2,516,021, July 18.
Sana, Narodni P., assignee: *See*—
Stejaskal, Frantisek.
Sanborn Company, assignee: *See*—
Miller, Arthur.
Sanborn, Frank E., assignor to The Dole Valve Company, Chicago, Ill. Sirup valve assembly for beverage dispensers. 2,522,898. Sept. 19.
Sanborn, Frank E., assignor to The Dole Valve Company, Chicago, Ill. Universal fluid coupling. 2,525,951, Oct. 17.
Sanborn, George H., Royal Oak, Mich., assignor to The Fellows Gear Shaper Company, Springfield, Vt. Finishing gears. 2,499,167, Feb. 28.
Sanchez, Servando, Moundsville, W. Va. Window screen. 2,523,998, Sept. 26.
Sanchez, Ygnacio L.: *See*—
McCallick, William P., and Sanchez.
Sand, Charles H.: *See*—
Hencke, William S., and Sand.
Sand, John F.: *See*—
Prestinari, Eugen, and Sand.
Sand, Robert T., Detroit, Mich. Safety razor. 2,499,038, Feb. 28.
Sand, Stig, Oslo, Norway. Machine for molding hollow blocks. 2,528,084, Oct. 31.
Sandå, Bror E.: *See*—
Heijmer, Gustaf B., Sandå, and Trobeck.
Sanda, Laddie A.: *See*—
Soreng, Edgar M., Sanda, and Fisher.
Sanda, Laddie A., Cicero, assignor to Soreng Manufacturing Corporation, Chicago, Ill. Connector for electrical conductors. 2,523,782, Sept. 26.
Sandberg, Albert C., La Fayette, Ind. Bth device having a nonskid floor surface. 2,522,765, Sept. 19.
Sandberg, Max H., Mattapan, Mass. Mouthwash. 2,527,686, Oct. 31.
Sandberg, Nels H., and H. O. Ronning, Minneapolis, assignors to Waldorf Paper Products Company, St. Paul, Minn. Conveying system. 2,504,228, Apr. 18.
Sandberg, Oscar, assignor to Lynch Package Machinery Corporation, Toledo, Ohio. Packaging machinery. 2,512,073, June 20.
Sandberg, Oscar, assignor to Lynch Package Machinery Corporation, Toledo, Ohio. Packaging machine for candy, cookies, and the like. 2,512,074, June 20.
Sandberg, Ray A., Waukegan, Ill., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Straight pull brake lever assembly. 2,522,540, Sept. 19.
Sandberg, Rolf A. F.: *See*—
De Giers, Clarence A., and Sandberg.
Sandblast, L. B., assignee: *See*—
Simpson, John C.
Sandebond Patents, Inc., assignee: *See*—
Biddle, William P., and Bond.
Sanden, Howard, Luverne, N. Dak. Detachable tractor cab. 2,532,948, Dec. 5.
Sanders, Arthur F., Penzance, England. Fuel injection engine. 2,497,802, Feb. 14.
Sanders, Elmore J., San Gabriel, Calif., assignor to Evans Products Company, Plymouth, Mich. Fluid pressure variable pitch fan control. 2,517.932, Aug. 8.
Sanders, Fill C., and A. P. Kling, Vimy Ridge, Ark. Reversible drive for feed mechanism. 2,506,686, May 9.
Sanders, George R.: *See*—
Harris, Leonard W., Sanders, and Hansen.
Sanders, Gustave, Brooklyn, assignor to Colony Metal Co., Inc., New York, N. Y. Lady's handbag. 2,518,572, Aug. 15.

Sanders, Herbert L., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Development of sulfuric acid esters of leuco vat dyes using hydroxylammonium salts. 2,503,300, Apr. 11.

Sanders, Jack R., New York, N. Y. Optical sound reproducing system. 2,529,050, Nov. 7.

Sanders, Joseph O., Vivian, La. Sand flusher. 2,501,237, Mar. 21.

Sanders, Joseph O., Vivian, La. Sand flusher. 2,526,086, Oct. 17.

Sanders, Judson H.: *See*—
Mills, Victor, Sanders, and Hawley.

Sanders, Judson H., Cincinnati, assignor to The Procter and Gamble Company, Ivorydale Ohio. Partial hydrogenation of unsaturated glyceride oils in solvents. 2,520,440, Aug. 29.

Sanders, Laurence C., New York, N. Y. Safety razor with magnetic guard. 2,532,372, Dec. 5.

Sanders, Lewis M., Chicago, Ill. Combined push plate and letter drop for full-vision doors. 2,531,703, Nov. 28.

Sanders, Lionel J. R., Galt, Ontario, Canada. Machine for putting bands on balls of knitting wool. 2,529,313, Nov. 7.

Sanders, Louis, Clifton, and C. Paff, Garfield, N. J. Gyroscope top. 2,493,834, Jan. 10.

Sanders Manufacturing Company, assignee: *See*—
Fletcher, Lou.

Sanders, Marsh T., assignee: *See*—
Crandall, Max E.

Sanders, Milton: *See*—
Kalmus, Henry P., and Sanders.

Sanders, Philip F., Lansdowne, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing unsupported films of tetrafluoroethylene polymers. 2,520,173, Aug. 29.

Sanders, Royden C., Jr., Lexington, and W. R. Mercer, Belmont, assignors to Raytheon Manufacturing Company, Newton, Mass. Calibrating apparatus for frequency-modulated radio altimeters. 2,500,325, Mar. 14.

Sanders, Walter J., Chicago, Ill. Gravity type rolling ball game device. 2,522,133, Sept. 12.

Sanders, William G.: *See*—
Van Doorne, Hendrik, and Sanders.

Sanderson, Clifford W., Hudson, assignor to Wingfoot Corporation, Akron, Ohio. Method and apparatus for treating tire treads. 2,504,090, Apr. 11.

Sanderson, Hansil S.: *See*—
Balch, Murrell C., and Sanderson.

Sanderson, John P., P. V. Paulus, and W. P. Yant, assignors to Mine Safety Appliances Company, Pittsburgh, Pa. Carbon dioxide generator. 2,494,145, Jan. 10.

Sanderson, Robert T.: *See*—
Kreuz, Kenneth L., and Sanderson.

Sanderson, William J., Madison, Wis. Pontoon construction. 2,494,316, Jan. 10.

Sandhoff, Harry W.: *See*—
Crum, Stephen, and Sandhoff.

Sandin, Jerome: *See*—
Grissinger, George G., Sandin, and Linstrom.

Sandin, Jerome, and R. Hauser, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit breaker. 2,512,386, June 20.

Sandin, Jerome, Forest Hills, and H. L. Rawlins, Edgewood, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Delayed electromagnetic trip circuit breaker. 2,519,291, Aug. 15.

Sandler, David, Cleveland Heights, Ohio. Housing for space heaters and sound translators. 2,521,654, Sept. 5.

Sandman, William A.: *See*—
Osbon, George H., and Sandman.

Sandor, Bela, London, England. Pyrophoric lighter. 2,534,068, Dec. 12.

Sandora, Manuel A., San Francisco, and C. E. Freeman, San Carlos, assignors to C. E. Freeman Co., Inc., San Francisco, Calif. Spraying device for spraying and fusing powdered material. 2,510,143, June 6.

Sandoz A. G., assignee: *See*—
Hofmann, Albert, and Troxler.

Sandoz Limited, assignee: *See*—
Flugel, Walter, Hemmi, Hofer, and Mikula.
Gutzwiller, Ernst.
Kappeler, Markus.
Morf, Rudolf.
Stoll, Arthur, and Hofmann.
Stoll, Arthur, Hofmann, and Troxler.
Von Allmen, Samuel, and Eggenberger.
Wehrli, Walter, and Iselin.

Sands, Charles T., Jr., Baltimore, Md. Spinning device for airplane landing wheels. 2,500,577, Mar. 14.

Sands, John W., Westfield, N. J., assignor to The International Nickel Company, Inc., New York, N. Y. Adapter for isothermal transformation diagrams. 2,512,387, June 20.

Sands, Matthew L., Everett, Mass., assignor to the United States of America as represented by the United States Atomic Energy Commission. Pulse height analyzer. 2,529,666, Nov. 14.

Sands, Matthew L., Oxford, Mass., O. R. Frisch, Liverpool, England, and W. C. Elmore, Swarthmore, Pa.; said M. L. Sands and W. C. Elmore assignors to the United States of America as represented by the United States Atomic Energy Commission. Pulse amplifier. 2,531,164, Nov. 21.

Sands, William F., Haddonfield, N. J., assignor to Radio Corporation of America. Frequency converter system. 2,517,719, Aug. 8.

Sands, William F., and M. S. Corrington, Haddonfield, N. J., assignors to Radio Corporation of America. Frequency discriminator network. 2,528,182, Oct. 31.

Sands, William H., assignor to The Gambrills Company, Inc., Gambrills, Md. Demonstration device and package. 2,495,200, Jan. 17.

Sandstedt, Oscar, Elmhurst, N. Y. Snow skate. 2,524,994, Oct. 10.

Sandstrom, Herbert J.: *See*—
Smith, Lee F., and Sandstrom.

Sandula, John: *See*—
Behnke, George W., Westcott, and Sandula.

Sandvik, Otto, and J. S. Chandler, Rochester, N. Y., assignors, by mesne assignments, to the United States of America as represented by the Secretary of War. Antiblurring device for aerial cameras. 2,507,459, May 9.

Sandvikens Jernverks Aktiebolag, assignee: *See*—
Hård af Segerstad, Carl-Gustaf.

Saner, Thomas B., Phoenix, Ariz. Sash adjuster and lock. 2,509,844, May 30.

Sanford, Hugh W., Knoxville, Tenn., assignor to The Sanford Investment Company, Wilmington, Del. Latch tripping mechanism. 2,522,197, Sept. 12.

Sanford Investment Company, The, assignee: *See*—
Sanford, Hugh W.

Sanford, Kenneth L., South Westport, Mass. Focusing mechanism for twin lens cameras. 2,528,085, Oct. 31.

Sanford, Roy S., Oakville, Conn., assignor, by mesne assignments, of one-half to Ex-Cello-O Corporation, Detroit, Mich., and one-half to A. C. Fessenden and Ace Carton Corporation, Chicago, Ill. Paper container. 2,530,787, Nov. 21.

Sanford, Roy S., Woodbury, assignor to The Autoyre Company, Oakville, Conn. Cartridge feeding mechanism. 2,501,143, Mar. 21.

Sanford, Roy S., Woodbury, assignor to The Autoyre Company, Incorporated, Oakville, Conn. Feeding mechanism for automatic guns. 2,502,891, Apr. 4.

Sanford, Roy S., Woodbury, Conn., assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio. Fluid pressure system with automatic means for replenishing pressure. 2,509,942, May 30.

Sangamo Electric Company, assignee: *See*—
Lanphier, Charles H.

Sanger-Stevens, James W., Chelmsford, England, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Electrical bonding coupling. 2,515,899, July 18.

Sanger-Stevens, James W., Chelmsford, and H. J. H. Wassell, Danbury, England, assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y. Cable terminating device. 2,501,007, Mar. 21.

Sanicom Company, Inc., assignee: *See*—
Arvintz, Abraham A., Arvins, and R. A. Arvintz.

Saniewski, Stanley A., Passaic, N. J. Antifriction bearing for sliding drawers, panels, and the like. 2,513,522, July 4.

Sani-Mask Inc., assignee: *See*—
Reitano, Edward S.

Sanitary Products Corporation, assignee: *See*—
Parish, Frank P.

Sanitary Scale Company, assignee: *See*—
Karp, Edward C.

Sanitary Tampon Corporation, assignee: *See*—
Behr, Harry C. A.

Sankey, Charles A.: *See*—
Marshall, Harry B., and Sankey.

Sanmori, Roger L. J.-B., Monaco, Monaco. Front and rear engine wheel drive unit for road vehicles. 2,494,902, Jan. 17.

Sanmori, Roger L. J. B., Monaco, Monaco. Brake device. 2,499,684, Mar. 7.

Sanmori, Roger L. J. B., Monaco, Monaco. Four-wheel steering system for vehicles. 2,526,282, Oct. 17.

Sann, Otto, Johnstown, Pa., assignor to Carnegie-Illinois Steel Corporation. Rail fastening device. 2,502,281, Mar. 28.

Sanner, Arthur F., Jr., Circleville, Kans. Hay salting attachment for hay balers. 2,504,279, Apr. 18.

Sano, Tomitaro, Fowler, Calif. Stamp affixing machine. 2,505,433, Apr. 25.

Sans, Marcel L., Venissieux, assignor to Societe Anonyme Des Manufactures des Glaces et Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France. Polymerization of vinyl compounds. 2,508,801, May 23.

Sansbury, Thomas B., Orlando, Fla. Spader and agitator device for concrete block machines. 2,498,452, Feb. 21.

Sansbury, Thomas B., Orlando, Fla. Mechanical hand. 2,532,732, Dec. 5.

Sanson Hosiery Mills, Inc., assignee: *See*—
De Mond, Willy.

Santee, Edwin M., and R. H. Burkhard, Seattle, Wash., and W. J. Hess, Great Falls, Mont., assignors to Boeing Airplane Company. Cargo ramp. 2,523,723, Sept. 26.

Santiago, Jose, New York, N. Y. Throwing toy. 2,498,509, Feb. 21.
Santmyers, George S.: *See*—
Pape, John W., and Santmyers.
Santulo, Pompeo M., Newark, N. J. Cover operated switch. 2,522,063, Sept. 12.
Sapers, Ira: *See*—
Cook, Alton A., and Sapers.
Sapiro, Aaron, assignee: *See*—
Borsook, Henry.
Sapiro, Reuben H.: *See*—
Austin, Archibald S., Sapiro, and Fraser.
Sapp, Gerald G., Damascus, Va. Paper crimper and stacker. 2,514,801, July 11.
Sapp, John P.: *See*—
Sternad, Frank S., and Sapp.
Sapp, Marion L., Long Beach, assignor to Hair-Queen Dryer Cap Corp., Los Angeles, Calif. Hair-drying cap. 2,493,363, Jan. 3.
Sarazin, Gilles F., Paris, France. Centrifugal pendulum vibration damper. 2,535,958, Dec. 26.
Sarazin, Robert, Neuilly-sur-Seine, France, vested in the Attorney General of the United States. Apparatus for checking the work of arc welders. 2,496,313, Feb. 7.
Sarbach, Donald V., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Nonblooming synthetic rubber composition. 2,503,637, Apr. 11.
Sardella, John J.: *See*—
Hartough, Howard D., and Sardella.
Sardeson, Robert: *See*—
Armstrong, Robert W., Sardeson, and Savela.
Sarett, Lewis H., Princeton, assignor to Merck & Co., Inc., Rahway, N. J. 3,11-diketo-17,20-dihydroxypregnanes and process. 2,493,780, Jan. 10.
Sarett, Lewis H., Princeton, assignor to Merck & Co., Inc., Rahway, N. J. 4-bromo-3,11-diketo-17(α)-hydroxy-20-acyloxypregnanes and process. 2,505,837, May 2.
Sarett, Lewis H., Princeton, assignor to Merck & Co., Inc., Rahway, N. J. 11-ketopregnenes and process. 2,505,838, May 2.
Sarett, Lewis H., Princeton, assignor to Merck & Co., Inc., Rahway, N. J. $\Delta^{4,5}$-3,11-diketo-17,20-dihydroxy-pregnanes and process. 2,508,471, May 23.
Sarett, Lewis H., Princeton, assignor to Merck & Co., Rahway, N. J. Producing Δ-9,11-3(α)-hydroxy-17-keto-etiocholene. 2,509,248, May 30.
Sarett, Lewis H., Princeton, assignor to Merck & Co., Inc., Rahway, N. J. $\Delta^{4,5}$-3,11-diketo-20,21-dioxy-pregnenes and process. 2,510,940, June 13.
Sarett, Lewis H., Princeton, assignor to Merck & Co., Inc., Rahway, N. J. 3,11-diketo-20,21-dioxypregnanes and process. 2,516,258, July 25.
Sarett, Lewis H., Princeton, assignor to Merck & Co., Inc., Rahway, N. J. Oxidizing 3,11-diketo-17-hydroxypregnanes and product obtained thereby. 2,516,259, July 25.
Sarett, Lewis H., Princeton, assignor to Merck & Co., Inc., Rahway, N. J. 20,21-diacetoxy-4-bromo-3,11-diketo-pregnanes. 2,519,507, Aug. 22.
Sarge, Theodore W.: *See*—
Brines, Melvin E., and Sarge.
Sargent & Company, assignee: *See*—
Kulbersh, Nathan.
Wardwell, George W., Jr.
Sargent, Donald E.: *See*—
Copenhaver, John W., and Sargent.
Sargent, Donald E., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Condensation products from vinyl ethers. 2,515,164, July 11.
Sargent, Donald E., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Preparation of colored metallo-α-oximino ketone complex images. 2,533,181, Dec. 5.
Sargent, Donald E., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Preparation of colored metallo-α-oximino ketone complex images. 2,533,182, Dec. 5.
Sargent, Donald E., and R. C. Gunther, Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y. Production of yellow dye images by color development. 2,522,802, Sept. 19.
Sargent, Frank T., Clio, Mich., assignor, by mesne assignments, to Fairmount Tool and Forging, Inc., Cleveland, Ohio. Shock absorbing dolly block. 2,518,073, Aug. 8.
Sargent, Herbert: *See*—
Ladd, Elbert C., and Sargent.
Sargent, James H., Jr.: *See*—
Sargent, James H., C. W., J. R., M. E., and H. H. Harmon, J. H. Sargent, Jr., and J. L. Sargent.
Sargent, James H., C. W., J. R., M. E., and H. H. Harmon, and James H. Sargent, Jr., and J. L. Sargent, Amonate, Va. Rivet bucking gun. 2,512,532, June 20.
Sargent, Joseph L.: *See*—
Sargent, James H., C. W., J. R., M. E. and H. H. Harmon, J. H. Sargent, Jr., and J. H. Sargent.
Sargent, Richard B.: *See*—
Wendell Evert J., and Sargent.
Sargood, Sidney J.: *See*—
Renshaw, Edward S., and Sargood.
Sargrove Electronics Limited, assignee: *See*—
Sargrove, John A.
Sargrove, John A., assignor of one-half to Sargrove Electronics Limited, Middlesex, England. Grit blasting apparatus and the like. 2,520,566, Aug. 29.
Sarkes Tarzian, Inc., assignee: *See*—
Valdettaro, Alarico A.
Sarland, Karl J., assignor to Aktiebolaget Separator, Stockholm, Sweden. Process and apparatus for producing oil from fish liver. 2,507,614, May 16.
Sarnoff, Stanley J., Boston, Mass. Artificial respiration by electronic stimulation. 2,532,788, Dec. 5.
Sarrahy, Francois: *See*—
Garrigue, Albert, and Sarrahy.
Saruchanoff, George, Berlin-Charlottenberg, Germany. Liquid level gauge. 2,516,596, July 25.
Sarsgard, Herschel B., Shawnee, and G. M. Allder, Oklahoma City, Okla., assignors, by mesne assignments, to Lapeer Manufacturing Co., Lapeer, Mich. Plier-type article-holding clamp having a spring-pressed jaw. 2,501,238, Mar. 21.
Sartin, Hansel, Slaton, Tex. Cotton stripper having auxiliary pneumatic means. 2,493,422, Jan. 3.
Sartin, Hansel, Tujunga, Calif. Mechanism for artificial legs. 2,529,968, Nov. 14.
Sartin, Jarvis G., Hattiesburg, Miss., assignor to Hercules Powder Company, Wilmington, Del. Landing gear for trailers. 2,526,905, Oct. 24.
Sartor, Albin F., Pasadena, Tex., assignor to Shell Development Company, San Francisco, Calif. Desulfurization of hydrocarbon oils. 2,512,570, June 20.
Sarver, Emmett F., assignor to Rohlm Manufacturing Company, Inc., Erie, Pa. Valve. 2,516,425, July 25.
Sasgen Derrick Co., assignee: *See*—
Benson, Jesse M.
Sashanen, Alexander N., Woodbury, and P. D. Caesar, Wenonah, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Alkylation of benzene. 2,506,551, May 2.
Sass, Chester V., Redding, Calif. Slab and sawdust burner formed of prefabricated panel sections. 2,530,208, Nov. 14.
Sassaman, Paul H., and D. R. Kerstetter, Emporium, Pa., assignors to Sylvania Electric Products Inc. Antimicrophonic "V" tension rod. 2,506,895, May 9.
Sassano, Joseph, Yonkers, N. Y. Coupling for rotary brushes or other driven elements. 2,524,995, Oct. 10.
Sassen, Bernard: *See*—
Ernst, Hans, and Sassen.
Sassin, Emil J., Detroit, Mich. Combined lighting fixture and radio loudspeaker. 2,501,968, Mar. 28.
Satam Societe Anonyme Pour Tous Appareillages Mecaniques, assignee: *See*—
Carbonard, Marius C.
Satchwell, Leonard, W. H. Wilson, and A. J. Chinn, Farnham Royal, England; said Wilson and said Chinn assignors to said Satchwell. Regulator for heating apparatus. 2,518,941, Aug. 15.
Satchwell, Leonard, Farnham Royal, and W. H. Wilson, Camberley, England; said Wilson assignor to said Satchwell. Boiler furnace. 2,534,377, Dec. 19.
Sateren, Arthur W.: *See*—
Wadhams, James B., Sateren, and Sikorski.
Saterlie, Clifford J., Bakersfield, and G. G. Perkins, Buttonwillow, Calif. Built-in automobile refreshment bar. 2,525,952, Oct. 17.
Sato, Ryuji, New York, N. Y. Shape supporter for soft collars. 2,515,802, July 18.
Satona Limited, assignee: *See*—
Vivian, George S.
Satrian, Rudy A., Chattanooga, Tenn. Hair-waving device. 2,535,959, Dec. 26.
Satsky, Henry J., Newark, N. J. Loading and unloading elevator platform for vehicles. 2,530,341, Nov. 14.
Sattele, Louis F., and F. M. Scharff, Lorain, Ohio, assignors to National Tube Company. Cold-worked pipe and obtaining the same. 2,503,512, Apr. 11.
Sattler, Carl: *See*—
Franklin, Edward S., and Sattler.
Sattler, Frank A., Pittsburgh, and J. R. Womer, New Alexandria, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Polyester-amide compositions and insulated conductors prepared therefrom. 2,523,999, Sept. 26.
Sattler, Stephen, Tulsa, Okla. Copyholder. 2,503,355, Apr. 11.
Satz, William, New York, N. Y. Looseleaf binder construction. 2,523,724, Sept. 26.
Sauer, Arthur P., assignor to The Kilborn-Sauer Company, Fairfield, Conn. Dirigible searchlight. 2,510,319, June 6.
Sauer, Arthur P., assignor to The Kilborn-Sauer Company, Fairfield, Conn. Combination deck and hand searchlight. 2,510,320, June 6.
Sauer, Arthur P., assignor to The Kilborn-Sauer Company, Fairfield, Conn. Hand lamp for attachment to batteries. 2,510,321, June 6.
Sauer, Arthur P., assignor to The Kilborn-Sauer Company, Fairfield, Conn. Road signal device. 2,525,728, Oct. 10.
Sauer, George: *See*—
Christensen, Norman V., and Sauer.
Sauer, George, Berwyn, assignor to Union Special Machine Company, Chicago, Ill. Sewing machine. 2,502,346, Mar. 28.

Sauer, George, Berwyn, assignor to Union Special Machine Company, Chicago, Ill. Sewing machine. 2,533,400, Dec. 12.

Sauer, George, Berwyn, and C. C. Smith, assignors to Union Special Machine Company, Chicago, Ill. Blower attachment for sewing machines. 2,518,725, Aug. 15.

Sauer, John C., Wilmington, and W. K. Wilkinson, New Castle, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of pyrimidines and pyridines. 2,524,479, Oct. 3.

Sauer, Otto E., Medford, and E. A. Martell, Boston, Mass. Vehicle bumper. 2,502,483, Apr. 4.

Sauer, Robert O., Schenectady, N. Y., assignor to General Electric Company. Preparation of organo-substituted polysiloxanes. 2,534,149, Dec. 12.

Sauer, Urban, Pittsburgh, assignor of forty-nine one hundredths to H. R. Levy, McKeesport, Pa. Muffler with divided flow passages. 2,514,520, July 11.

Sauer, Walter H., Fowler, Colo. Adjustable auto visor extension. 2,498,966, Feb. 28.

Sauers, E. W. assignee: *See*—
Smith, David C., and Oblinger.

Saul, Samuel, Jr., Pittsburgh, Pa., assignor to Reconstruction Finance Corporation, Cleveland, Ohio. Tiltable top worktable. 2,524,085, Oct. 3.

Saul, Tom W., Tucson, Ariz. Rail anchor means. 2,501,969, Mar. 28.

Saulnier, Raymond, Paris, France. Landing gear for aircraft. 2,516,345, July 25.

Saulnier, Raymond, Paris, France. Aircraft controlling system for flaps and landing gear. 2,516,346, July 25.

Saulnier, Raymond, Paris, France. Spring system. 2,520,017, Aug. 22.

Saum, George E. F., Chicago, Ill. Pounce bag for dusting molds. 2,520,343, Aug. 29.

Saunders, Albert, Denham, England. Roller box for turret machine tools. 2,513,819, July 4.

Saunders, Albert, Maplewood, N. J., assignor to Interchemical Corporation, New York, N. Y. Flatting agent and composition containing the same. 2,512,470, June 20.

Saunders, David W., East Chicago, Ill., assignor to Inland Steel Company. Method and apparatus for "making bottom" in ingot soaking pits. 2,531,473, Nov. 28.

Saunders Engineering and Shipyard Limited, assignee: *See*—
Gouge, Arthur.

Saunders, Frank S., Keynsham, near Bath, England. Hydrostatic scale. 2,529,194, Nov. 7.

Saunders, Glenn C., Philadelphia, Pa. Container support. 2,524,639, Oct. 3.

Saunders, Harold F., Shaker Heights, assignor to The Sherwin-Williams Co., Cleveland, Ohio. Removing solvent from solvent-wetted vegetable residues. 2,502,484, Apr. 4.

Saunders, Harold F., Shaker Heights, and H. F. Larson, assignors to The Sherwin-Williams Co., Cleveland, Ohio. Distillation of water-immiscible solvents from proteinaceous residues. 2,502,485, Apr. 4.

Saunders, Jack A., Woodside, N. Y. Adjustable garment hanger. 2,496,561, Feb. 7.

Saunders, Justus G., Silver Spring, Md. Meat package and making the same. 2,533,051, Dec. 5.

Saunders, Richard E., and R. P. Johnston, assignors to Beech Aircraft Corporation, Wichita, Kans. Aircraft control hinge construction. 2,495,605, Jan. 24.

Saunders, Robert H., assignor to Hercules Powder Company, Wilmington, Del. Choloralkyl acylates. 2,500,009, Mar. 7.

Saunders, Robert H., Oxford, Pa., assignor to Hercules Powder Company, Wilmington, Del. Unsaturated aldehydes and preparation thereof. 2,501,144, Mar. 21.

Saunders, Robert P., assignor to Robertshaw-Fulton Controls Company, Knoxville, Tenn. Temperature regulator and safety device for sterilizers. 2,515,019, July 11.

Saunders-Roe Limited, assignee: *See*—
Gouge, Arthur.
Knowler, Henry, and P. H.
Knowler, Henry, and Robertson.

Saunders, Wallace L., Kingston, Pa. Measuring dispenser. 2,515,735, July 18.

Saunders, Winborne W., Albemarle, N. C. Yarn carrier for knitting machines. 2,528,389, Oct. 31.

Saunders Valve Company Limited, assignee: *See*—
Shand, Stanley G., and Price.

Saurer, Curt, Detroit, Mich. Faucet. 2,496,679, Feb. 7.

Sauter, Virgil E., Schenectady, N. Y. Cable cutter. 2,518,074, Aug. 8.

Sava, Amabil, Los Angeles, Calif. Sock-liner protector for automatic shoe nailing machines. 2,502,594, Apr. 4.

Savage Arms Corporation, assignee: *See*—
Groesbeck, Frank H., and Stewart.
Hussey, Chester L., and Green.
Pearce, John.

Savage Bros. Company, assignee: *See*—
Savage, Richard J. and R. E.

Savage, Byron B., Oklahoma City, Okla. Extinguishing film fire. 2,532,949, Dec. 5.

Savage, Charles H.: *See*—
Payson, Peter, Schempp, and Savage.

Savage, Edward S., deceased, Rochester, N. Y.; L. D. Savage, executrix of E. S. Savage, assignor to L. D. Savage. Figure wheeled toy. 2,512,533, June 20.

Savage, Lucile D., executrix: *See*—
Savage, Edward S.

Savage, Reuben T., Ridley Park, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Method of and apparatus for minimizing deposition of carbonaceous material. 2,493,035, Jan. 3.

Savage, Reuben T., Ridley Park, and D. D. McKinney, Drexel Hill, Pa., assignors to Houdry Process Corporation, Wilmington, Del. Method of and apparatus for minimizing deposition of carbonaceous material. 2,493,036, Jan. 3.

Savage, Richard J., Oak Park, and R. E. Savage, Winnetka, assignors to Savage Bros. Company, Chicago, Ill. Kettle scraping unit. 2,513,254, June 27.

Savage, Robert E.: *See*—
Savage, Richard J. and R. E.

Savage, W. J., Company, assignee: *See*—
Fulton, Weston M.

Savela, Edward H.: *See*—
Armstrong, Robert W., Sardeson, and Savela.

Savich, Theodore R., Library, Pa., and L. A. Goldblatt, New Orleans, La., assignors to the United States of America as represented by the Secretary of Agriculture. Producing myrcene from betapinene. 2,507,546, May 16.

Savides, Savas P., Rockaway Beach, N. Y. Cutting attachment for doughnut machines. 2,500,620, Mar. 14.

Saville, William S.: *See*—
Hoeltzel, Orval R., Saville, and Larson.

Saville, Willie, and P. N. Roseby, Liverpool, England, assignors to Automatic Electric Laboratories Inc., Chicago, Ill. Electrical signaling system. 2,498,899, Feb. 28.

Saville, Willie, and M. O. Williams, Liverpool, England, assignors to Automatic Electric Laboratories Inc., Chicago, Ill. Electrical resistance measuring arrangement. 2,515,736, July 18.

Savin, James W., Collingswood, N. J., and J. H. Neithammer, Brookline, assignors to The Atlantic Refining Company, Philadelphia, Pa. Method and apparatus for determining plugging of oil rings of internal-combustion engines using a radial light beam. 2,509,316, May 30.

Savino, Henry C., Jersey City, N. J. Automatic telephone transmitter with photocells. 2,505,069, Apr. 25.

Savoie, Mark E., Cleveland, Ohio. Variable lead grip sleeve for mechanical pencils. 2,533,513, Dec. 12.

Savory, Leonard E.: *See*—
Yellott, John I., and Savory.

Savoy, Michael: *See*—
Bond, Donald C., and Savoy.

Savrda, Charles M., Bay Shore, N. Y., assignor, by mesne assignments, to Fish Machinery Corporation, Boston, Mass. Apparatus for decapitating fish. 2,502,175, Mar. 28.

Savrda, Charles M., Bay Shore, N. Y., assignor, by mesne assignments, to Fish Machinery Corporation, Boston, Mass. Fish filleting machine. 2,502,176, Mar. 28.

Savrda, Charles M., Bay Shore, N. Y., assignor, by mesne assignments, to Fish Machinery Corporation, Boston, Mass. Fish filleting machine. 2,532,198, Nov. 28.

Savrin, Anna, Lawrence, N. Y. Convertible traveling case. 2,502,486, Apr. 4.

Sawdey, George W., assignor to Eastman Kodak Company, Rochester, N. Y. Dianil dye photographic filter layer. 2,500,045, Mar. 7.

Sawdey, George W., and P. W. Vittum, assignors to Eastman Kodak Company, Rochester, N. Y. Photographic emulsions containing color couplers and amide coupler solvents. 2,533,514, Dec. 12.

Sawitzke, Arthur W., Cleveland, Ohio, assignor of one-half to G. H. Garden. Newspaper vending machine. 2,501,970, Mar. 28.

Sawtelle, Edmund R., Shawnee-on-Delaware, assignor to Worthington Mower Company, Stroudsburg, Pa. Lawn mower. 2,532,733, Dec. 5.

Sawtelle, Edmund R., Shawnee-on-Delaware, J. I. Blair, and H. Imbt, assignors to Worthington Mower Company, Stroudsburg, Pa. Gang lawn mower. 2,525,047, Oct. 10.

Sawyer, Chester B., Needham, and C. L. Allen, Natick, Mass., assignors to Telechron, Inc. Slow-beat emergency magnetically vibrated alarm. 2,528,247, Oct. 31.

Sawyer, James G., Williamsville, assignor to Buffalo Turbine Agricultural Equipment Co., Inc., Gowanda, N. Y. Apparatus for delivering pulverized and similar materials. 2,512,175, June 20.

Sawyer, John W., Arlington, Va. Forming negative surface replicas of tube interiors. 2,497,914, Feb. 21.

Sawyer, John W., Arlington, Va. Mold for casting negative surface replicas. 2,524,737, Oct. 3.

Sawyer, Lester T., Leominster, Mass. Hair retainer and making. 2,523,924, Sept. 26.

Sawyer, Lester T., Leominster, Mass. Holder for combs. 2,530,542, Nov. 21.

Sawyer, Lester T., Leominster, Mass. Apparatus for making hair retainers. 2,531,299, Nov. 21.

Sawyer, Marion B., Sr., Whittier, and C. K. Reigel, Monrovia, Calif., assignors to A. O. Smith Corporation, Milwaukee, Wis. Induction motor control. 2,524,361, Oct. 3.

Sawyer, Robert T., Hohokus, N. J., and W. L. Fischer, Schenectady, assignors to American Locomotive Company, New York, N. Y. Power plant. 2,526,424, Oct. 17.

Sawyer, William G., Detroit, and E. Laske, Birmingham, Mich. Device for relaxing parts of the human body. 2,500,578, Mar. 14.
Sax, Karl J.: *See*—
Bernstein, Seymour, and Sax.
Saxe, Walter E., Pasadena, assignor to The Conveyor Company, Inc., Los Angeles, Calif. Article-controlled transfer mechanism. 2,525,953, Oct. 17.
Saxton, Harold L., Washington, D. C. Phase shifting circuit. 2,531,474, Nov. 28.
Saxton, Harold L., Washington, D. C., P. L. Smith, Bethesda, Md., and M. S. Wilson, Washington, D. C. Shipboard sound operator trainer. 2,522,541, Sept. 19.
Saxton, Stanley L. and S. E. Lowell, La Crosse, Wis. Stairway elevator. 2,516,726, July 25.
Say, Marvin, assignee: *See*—
Sims, John R.
Sayers, Frederick, assignor to Moe Brothers Manufacturing Company, Fort Atkinson, Wis. Adjustable pressure regulator. 2,524,996, Oct. 10.
Sayers, George A.: *See*—
Biswell, Charles B., and Sayers.
Sayler, Galen H., assignor to The Parker Pen Company, Janesville, Wis. Writing inks. 2,528,390, Oct. 31.
Sayles Finishing Plants, Inc., assignee: *See*—
Huey, Harold I., and Russell.
Saylor, Frank D., Highland Park, Mich. Lock nut. 2,502,892, Apr. 4.
Saylor, John S., Jr., Reading, Pa., assignor to Standard Oil Development Company. Olefinic polymerization in the presence of fluorine compounds. 2,494,585, Jan. 17.
Sayre, Frank N., Flushing, Mich. Display sheet for albums. 2,505,506, Apr. 25.
Sayre, Gordon B., assignor to Boonton Molding Company, Boonton, N. J. Apparatus for the electronic heating of molding material. 2,506,814, May 9.
Sayre, Gordon B., assignor to Boonton Molding Company, Boonton, N. J. Automatic control for inverted transfer molding presses. 2,522,134, Sept. 12.
Sayre, Kenneth J., Edgerton, Wis. Portable power tool. 2,519,936, Aug. 22.
Sayre, Ralph E.: *See*—
Dolt, Maurice L., and Sayre.
Sbernadori, Paolo, Rome, Italy. Slide rule. 2,506,176, May 2.
Sbrana, Luigi, assignee: *See*—
Michelini, Leo A.
Scaife, Charles W., Norton-on-Tees, and H. Baldock, deceased, late of Norton-on-Tees, England, by H. Baldock, legal representative, Hoylake, England, assignors to Imperial Chemical Industries Limited. Production of nitro olefins. 2,495,424, Jan. 24.
Scalera, Mario, Somerville, N. J., assignor to American Cyanamid Company, New York, N. Y. Preparing 1-chloro-2-carboxyanthraquinone. 2,499,003, Feb. 28.
Scalera, Mario, and R. E. Brouillard, Somerville, N. J., assignors to American Cyanamid Company, New York, N. Y. Green pigment composition. 2,505,744, Apr. 25.
Scalera, Mario, and R. E. Brouillard, Somerville, N. J. assignors to American Cyanamid, Company, New York, N. Y. Preparation of aromatic orthodinitriles. 2,525,620, Oct. 10.
Scalera, Mario, and R. E. Brouillard, Somerville, N. J., assignors to American Cyanamid Company, New York, N. Y. Preparation of aromatic orthodinitriles. 2,525,621, Oct. 10.
Scallon, Frank J., Norwalk, Conn. Ventilating device. 2,505,147, Apr. 25.
Scallon, Frank J., Norwalk, Conn. Ventilating device. 2,513,056, June 27.
Scally, Paul V.: *See*—
Garvey, Thomas H., and Scally.
Scanlan, Raymond J., Hasbrouck Heights, assignor to Keuffel & Esser Company, Hoboken, N. J. Reproduction material. 2,495,661, Jan. 24.
Scanlon, Charles D., Los Angeles, Calif. Warning device. 2,529,576, Nov. 14.
Scanlon, Frank B., Beachwood, and G. A. Isaac, Audubon, N. J. Door operated safety device for oil-burning furnaces. 2,502,064, Mar. 28.
Scanlon, James M., and R. L. Zitrick, Detroit, Mich. Snap fastener. 2,507,224, May 9.
Scarberry, Oscar C., Ashland, Ohio. Key for the repair of cracked metal castings. 2,523,595, Sept. 26.
Scarborough, Charles R., Knoxville, Tenn. Convertible chair, ironing board, and stepladder. 2,533,515, Dec. 12.
Scarbrough, Harry E., Chicago, Ill., and N. B. Jones, Ballston Lake, N. Y., assignors to General Electric Company. Liquid treating apparatus. 2,494,361, Jan. 10.
Scarff, Harold M., assignor to Muskegon Piston Ring Company, Muskegon, Mich. Ring closing fixture. 2,506,177, May 2.
Scatena, Vincent, Pittsburgh, Pa. Camera obscura. 2,521,483, Sept. 5.
Scavullo, Angelo C., assignor to V. K., F., and C. Scavullo, M. S. Saegert, and M. S. Scott, Forest Hills, N. Y. Cooking utensil and method. 2,494,266, Jan. 10.
Scavullo, Charles, assignee: *See*—
Scavullo, Angelo C.
Scavullo, Frank, assignee: *See*—
Scavullo, Angelo C.
Scavullo, Victor K., assignee: *See*—
Scavullo, Angelo C.
Sceroler, Bartholomew E., Washington, D. C. Non-overflowing toilet bowl. 2,531,475, Nov. 28.
Schaab, Rudolph S., Bronxville, and J. E. Tiso, assignors of one-half to Irving Seidman, New York, N. Y. Heating roller. 2,526,906, Oct. 24.
Schaad, Raymond E., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Producing propylene polymers and surface active agents derived from said polymers. 2,517,720, Aug. 8.
Schaaf, Cecil F., assignor to Schaaf Pre-Cast Concrete Co., Flint, Mich. Apparatus for molding curved concrete panels. 2,505,342, Apr. 25.
Schaaf, Oliver H.: *See*—
Glanzer, Clarence J., and Schaaf.
Schaaf Pre-Cast Concrete Co., assignee: *See*—
Schaaf, Cecil F.
Schaal, Earl V., East Aurora, assignor to Trico Products Corporation, Buffalo, N. Y. Windshield cleaner. 2,511,129, June 13.
Schabarum, Bruno R.: *See*—
Lilly, Russell M., and Schabarum.
Schabarum, Bruno R., assignor to Carl B. King Drilling Company, Midland, Tex. Fishing tool for wells. 2,525,954, Oct. 17.
Schaber, Elmer W., Sholes, Nebr. Machine for opening eggs and separating the shells of the eggs and their contents. 2,498,182, Feb. 21.
Schaberg, Fred H., and N. H. Therriault, Andover, Mass. Automatic ice cube maker. 2,493,900, Jan. 10.
Schacha, Charles A.: *See*—
Carhart, Richard L., and Schacha.
Schachinger, Edward A., New York, N. Y. Watchman's tour system and tour station. 2,508,425, May 23.
Schacht, John F., Columbus, Ohio, assignor to W. M. Welch Manufacturing Company, Chicago, Ill. Visual aid for mathematics. 2,507,460, May 9.
Schacht, Robert W., assignee: *See*—
Schacht, William F.
Schacht, William F.; W. J. Schacht, executor of said W. F. Schacht, deceased, assignor to W. F. Schacht II, and R. W. Schacht, Huntington, Ind. Cattle marker. 2,497,632, Feb. 14.
Schacht, William F., II, assignee: *See*—
Schacht, William F.
Schacht, William J., executor: *See*—
Schacht, William F.
Schade, Frank S., assignor to National Blank Book Company, Holyoke, Mass. Visible index tray stand. 2,508,802, May 23.
Schade, Frank S., assignor to National Blank Book Company, Holyoke, Mass. Loose-leaf post binder. 2,510,662, June 6.
Schade, Frank S., assignor to National Blank Book Company, Holyoke, Mass. Office equipment for handling large binders. 2,527,277, Oct. 24.
Schade, Otto H., West Caldwell, N. J., assignor to Radio Corporation of America. Electromagnetic deflection circuit for cathode-ray tubes. 2,498,007, Feb. 21.
Schade, Otto H., West Caldwell, N. J., assignor to Radio Corporation of America. Television synchronizing signal generator. 2,525,102, Oct. 10.
Schade, Otto H., West Caldwell, N. J., assignor to Radio Corporation of America. High-voltage rectifier. 2,534,532, Dec. 19.
Schade, Otto H., West Caldwell, N. J., assignor to Radio Corporation of America. Video amplifier with separate channels for high and low frequencies. 2,534,627, Dec. 19.
Schade, Willy, assignor to Eastman Kodak Company, Rochester, N. Y. Petzval-type photographic objective. 2,500,046, Mar. 7.
Schaefer, Bernard E., Beverly, N. J., assignor to Underwood Corporation, Carbon holder for manifolding work. 2,496,600, Feb. 7.
Schaefer, Carl A., Whitefish Bay, Wis., assignor to Square D Company, Detroit, Mich. Electric switch. 2,513,748, July 4.
Schaefer, Carl F., Port Washington, assignor to The Norden Laboratories Corporation, New York, N. Y. Potentiometer. 2,498,967, Feb. 28.
Schaefer, Carl F., Port Washington, assignor to The Norden Laboratories Corporation, New York, N. Y. True air-speed meter. 2,508,623, May 23.
Schaefer, Charles F., Norwalk, Conn. Margin gluing machine. 2,493,165, Jan. 3.
Schaefer, Charles F., Norwalk, Conn. Gluing machine. 2,506,650, May 9.
Schaefer, Earl H.: *See*—
Ensign, George G., Lawson, Schaefer, and Wochos.
Schaefer, Edward E., Oak Park, Ill. Venetian blind structure. 2,527,104, Oct. 24.
Schaefer, Edward J., Fort Wayne, Ind. Switch mechanism. 2,516,922, Aug. 1.
Schaefer Equipment Company, assignee: *See*—
Otterson, Oscar.
Schaefer, Frederick R., Youngstown, and R. W. Emery, Warren, assignors to Republic Steel Corporation, Cleveland, Ohio. Cable reel. 2,494,521, Jan. 10.
Schaefer, Frederick R., Youngstown, assignor to Republic Steel Corporation, Cleveland, Ohio. Sheet metal reel. 2,494,522, Jan. 10.

Schaefer, Frederick R., Youngstown, assignor to Republic Steel Corporation, Cleveland, Ohio. Rolling ring for reels. 2,494,523. Jan. 10.

Schaefer, Harold W., Eagles Mere, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Combination record player and radio. 2,519,292, Aug. 15.

Schaefer, Hugo L.: *See*—
Lowry, Robert D., and Schaefer.

Schaefer, John F., assignor to Globe-Union Inc., Milwaukee, Wis. Making battery separators. 2,508,043, May 16.

Schaefer, John H., Jr., Boyertown, assignor to The Vaughan Knitting Company, Inc., Pottstown, Pa. Cutting mechanism for knitting machines. 2,498,096, Feb. 21.

Schaefer, Joseph, Chicago, Ill. Heavy current resistor. 2,522,542, Sept. 19.

Schaefer, Ralph A., assignor to The Cleveland Graphite Bronze Company, Cleveland, Ohio. Plating. 2,500,205, Mar. 14.

Schaefer, Ralph A., Cleveland, and J. B. Mohler and H. Pochapsky, Euclid, assignors to The Cleveland Graphite Bronze Company, Cleveland, Ohio. Apparatus for plating. 2,500,206, Mar. 14.

Schaefer, Reinhold A., Rocky Hill, Conn., assignor to Norton Company, Worcester, Mass. Diamond abrasive article and making the same. 2,495,606, Jan. 24.

Schaefer, Reinhold A., Rocky Hill, Conn., assignor to Norton Company, Worcester, Mass. Diamond abrasive article and making the same. 2,495,607, Jan. 24.

Schaefer, Thomas H., St. Louis, Mo. Sink strainer and trap. 2,505,305, Apr. 25.

Schaefer, Vincent J.: *See*—
Blodgett, Katherine B., and Schaefer.

Schaefer, Vincent J., Schenectady, and B. Vonnegut, Alplaus, N. Y., assignors to General Electric Company. Crystal formation and precipitation. 2,527,230, Oct. 24.

Schaefer, Vincent J., Schenectady, N. Y., assignor to General Electric Company. Electrical moisture meter. 2,532,822, Dec. 5.

Schaefer, Walter S., East Gadsden, Ala., assignor to Republic Steel Corporation, Cleveland, Ohio. Control of plural arc welding. 2,527,336, Oct. 24.

Schaefer, Walter S., Euclid, and T. M. Bowes, South Euclid, assignors to Republic Steel Corporation, Cleveland, Ohio. Inside burr removing apparatus. 2,535,653, Dec. 26.

Schaefer, William E., Portland, Oreg. Metal concrete form tie with boring bit. 2,501,412, Mar. 21.

Schaeffer, George W.: *See*—
Schlesinger, Hermann I., and Schaeffer.

Schaeffler, Wilhelm J., Arlington, Va. Footwear. 2,526,831, Oct. 24.

Schaefgen, John R., assignor to Wingfoot Corporation, Akron, Ohio. Production of 4,4′-diketodicyclohexyl. 2,496,960, Feb. 7.

Schaelchlin, Walter, Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Phase balance protective relay system. 2,523,148, Sept. 19.

Schaelchlin, Walter, Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Starting control system for synchronous motors. 2,530,997, Nov. 21.

Schaelchlin, Walter, and K. Mahnke, Forest Hills, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Engine starting control system and switch. 2,519,293, Aug. 15.

Schaeppi, Johannes H., Mitlodi, and W. Mosimann, Glarus, Switzerland. Making water-soluble coffee extract. 2,518,441, Aug. 15.

Schaerer, August A., Amsterdam, Netherlands, and K. Arabian, El Cerrito, assignors to Shell Development Company, San Francisco, Calif. Wax composition. 2,523,848, Sept. 26.

Schaerer, August A., El Cerrito, assignor to Shell Development Company, San Francisco, Calif. Polyvinyl chloride compositions containing sulfuric acid treated high-boiling petroleum extract. 2,498,453, Feb. 21.

Schaevitz, Herman, Collingswood, N. J. Differential transformer. 2,494,493, Jan. 10.

Schaevitz, Herman, Collingswood, N. J., assignor to The Baldwin Locomotive Works. Torsion producing apparatus. 2,494,671, Jan. 17.

Schafer, Curtiss R., Rye, N. Y., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electric motor control device. 2,501,583, Mar. 21.

Schafer, George F.: *See*—
Macy, Nathaniel, and Schafer.

Schäfer, Jean, Paris, France. Burner for lighting gas and other combustible gases. 2,513,523, July 4.

Schaffer, Arthur, assignor of one-half to P. Rieck, New Lisbon, N. J. Combination fertilizer distributor and watering can. 2,519,707, Aug. 22.

Schaeffer, George W., St. Louis, Mo., and G. D. Barbaras, Cleveland, Ohio, assignors to the United States of America as represented by the United States Atomic Energy Commission. Diborane purification process. 2,533,696, Dec. 12.

Schaeffer, Gerald and S., Chicago, Ill. Multiple bulb floodlight mounting for cameras. 2,535,372, Dec. 26.

Schaffer, James R., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Rubber-to-metal adhesion. 2,522,135, Sept. 12.

Schaffer, James R., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Rubber-to-metal adhesion. 2,522,136, Sept. 12.

Schaffer, James R., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Rubber-to-metal adhesion. 2,522,137, Sept. 12.

Schaffer, James R., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Rubber-to-metal adhesion. 2,522,138, Sept. 12.

Schaeffer, Jean A., Colombes, assignor to Compagnie Francasie de Raffinage (Societe Anonyme), Paris, France. Manufacture of carbon black. 2,532,789, Dec. 5.

Schaeffer, Sam: *See*—
Schaeffer, Gerald and S.

Schaerfl, Josef A.: *See*—
Kaufman, Joseph M. S., Krasnow, and Schaerfl.

Schaid, Arthur J., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Tapping apparatus. 2,530,268, Nov. 14.

Schain, Louis, assignee: *See*—
Forca, James.

Schairer, John F.: *See*—
Brace, Porter H., Schairer, and Marden.

Schall, Egon, London, assignor to Roy Tallent Limited, Darlington, England. Box and closure therefor. 2,518,256, Aug. 8.

Schall, Harold E., Monte Vista, Colo., and L. R. London, Burley, Idaho. Vegetable cooker. 2,515,137, July 11.

Schallenkammer, Fred: *See*—
Von Till, Louis A., and Schallenkammer.

Schaller, Harold E., Boston Mass., assignor to Scotland Mills, Inc. Shuttle guard. 2,532,950, Dec. 5.

Schallis, Alvin, Jersey City, N. J., assignor to Stauffer Chemical Company. Producing insoluble sulfur. 2,513,524, July 4.

Schallis, Alvin, Jersey City, and J. Hurley, Bayonne, N. J., assignors to Stauffer Chemical Company. Producing a stable sulfur suspension. 2,516,095, July 18.

Schamblin, Charles H. M., Bakersfield, Calif. Vehicle signal lamp. 2,496,601, Feb. 7.

Schandler, Charles: *See*—
McCarthy, Frederick I., and Schandler.

Schantz, Joseph D.: *See*—
Cawein, Madison, and Schantz.

Schanz, George H., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Apparatus for forming annular tubular bodies. 2,501,584, Mar. 21.

Schaper, William A., Cicero, Ill., assignor to Aladdin Industries, Incorporated. Resilient nut for threaded rods. 2,503,219, Apr. 4.

Schaper, William A., Cicero, Ill., assignor to Aladdin Industries, Incorporated. Permeability tuning mechanism. 2,503,220, Apr. 4.

Schaper, William A., Cicero, Ill., assignor to Aladdin Industries, Incorporated. Permeability tuning mechanism. 2,508,338, May 16.

Schaper, William A., Phoenix, Ariz., assignor to Aladdin Industries, Incorporated. Permeability tuner mechanism. 2,508,840, May 23.

Schär, Franz, Thun, Switzerland. Pencil sharpener. 2,519,854, Aug. 22.

Scharbau, Kurt A., and A. Stadler, assignors to Eclipse Fuel Engineering Co., Rockford, Ill. Pilot burner mount. 2,504,592, Apr. 18.

Scharbau, Kurt A., and A. Stadler, assignors to Eclipse Fuel Engineering Co., Rockford, Ill. Pilot burner using gaseous fuel and air under pressure. 2,510,482, June 6.

Scharbau, Kurt A., and A. Stadler, assignors to Eclipse Fuel Engineering Company, Rockford, Ill. Multiple combustion cell gaseous fuel burner. 2,533,143, Dec. 5.

Scharf, Frank W., Arcadia, Calif., assignor to Knapp-Monarch Company, St. Louis, Mo. Electric toaster heating unit. 2,522,724, Sept. 19.

Scharf, Philip T.: *See*—
Sun, Kuan-Han, Callear, and Scharf.

Scharff, Fritz M.: *See*—
Sattele, Louis F., and Scharff.

Scharffenberg, Jean H., assignor to Stewart Bros., Inc., Lynn, Mass. Counter molder. 2,499,783, Mar. 7.

Scharli, Rudolf, Baden, and A. Meyerhans, Nussbaumen near Baden, Switzerland, assignors to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland. Transformer. 2,498,183, Feb. 21.

Scharmann, Walter G., Westfield, N. J., assignor to Standard Oil Development Company. Production of fuel gases. 2,527,154, Oct. 24.

Scharmann, Walter G., Westfield, N. J., assignor to Standard Oil Development Company. Synthesis of hydrocarbons. 2,530,998, Nov. 21.

Scharsch, Walter R., Los Angeles, Calif. Butter slicing and dispensing machine. 2,529,850, Nov. 14.

Schatz, Joseph, Malden, Mass. Educational blackboard. 2,494,362, Jan. 10.

Schatz, Norman G.: *See*—
Marnach, Carl H., and Schatz.

Schatzman, George W., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Fender shield structure. 2,500,207, Mar. 14.

Schatzman, George W., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Fender and fender shield assembly and attaching means therefor. 2,520,965, Sept. 5.

Schatzman, George W., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Fender shield. 2,530,402, Nov. 21.
Schaub, Fred H., River Forest, assignor to Fred H. Schaub Engineering Co., Inc., Chicago, Ill. Steam flow control system. 2,532,951, Dec. 5.
Schaub, Fred H., Engineering Co., Inc., assignee: *See*— Schaub, Fred H.
Schaub, William J., Westport, Conn. Overload yielding wrench with ratcheting jaws. 2,519,073, Aug. 15.
Schauble, Otto C.: *See*— Reed, Carl S., and Schauble.
Schauer, Joseph: *See*— Shonnard, John R., and Schauer.
Schauer, Joseph, Cliffwood Beach, N. J., assignor to Times Facsimile Corporation, New York, N. Y. Sheet holding mechanism for facsimile recorders and the like. 2,514,974, July 11.
Schauer, Ozni E., Cincinnati, assignor to The Cincinnati Bickford Tool Company, Oakley, Cincinnati, Ohio. Tool ejector. 2,509,990, May 30.
Schauert, Paul: *See*— Hale, Cedric, and Schauert.
Schaufelberger, Henry W., Haverhill, Mass., assignor to Western Electric Company, Incorporated, New York, N. Y. Work-feeding fixture for table saws. 2,522,965, Sept. 19.
Schaufelberger, William M.: *See*— Herrick, Henry N., and Schaufelberger.
Schauffler, Pierre, Paris, France. Bathing apparatus, including mechanism for imparting oscillating movements to water. 2,515,667, July 18.
Schaumann, Holger H.: *See*— Krchma, Ignace J., and Schaumann.
Schaumann, Holger H., Newark, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of titanium dioxide. 2,502,347, Mar. 28.
Schaumann, Holger H., Newark, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Purification of titanium halides. 2,508,775, May 23.
Schaumann, Holger H., Newark, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Purification of titanium halides. 2,530,735, Nov. 21.
Schauweker, George H., assignor to American Optical Company, Southbridge, Mass. Combined hood and respirator. 2,529,106, Nov. 7.
Schedin, Robert S.: *See*— Le Blanc, Osias J., and Schedin.
Scheel, Henry A., assignor to Fishing Research Corporation, New York, N. Y. Trawling device. 2,504,091, Apr. 11.
Scheeline, Harold W.: *See*— Morrell, Charles E., Scheeline, and Carlson, and Heineman, Jr.
Scheeline, Harold W., East Orange, N. J., assignor to Standard Oil Development Company. Fractionation of gases with solid adsorbents. 2,523,149, Sept. 19.
Scheeline, Harold W., East Orange, L. D. Etherington, Bayonne, and J. P. Morgan, Maplewood, N. J., assignors to Standard Oil Development Company. Recovery of fatty acids from dilute aqueous solutions. 2,526,508, Oct. 17.
Scheer, George B., Berkeley, assignor to Henry J. Kaiser Company, Oakland, Calif. Control for aircraft. 2,511,446, June 13.
Scheer, Walter E.: *See*— Cohen, Samuel J., and Scheer.
Schefbauer, Rupert J., Jr.: *See*— Lee, Ernest D., and Schefbauer.
Schefe, Frederick K., Gary, Ind., assignor to Carnegie-Illinois Steel Corporation. Sheet piler. 2,511,739, June 13.
Scheffer, Harry C., and N. E. Lambert, Union Deposit, Pa. Portable self-locking clamp. 2,517,034, Aug. 1.
Scheffey, George B., assignor to J. H. Sternbergh, Reading, Pa. Rotary intermittent feed mechanism. 2,514,261, July 4.
Scheibel, Edward G., assignor to Hoffmann-La Roche Inc., Nutley, N. J. Extraction apparatus. 2,493,265, Jan. 3.
Scheibel, Edward G., Nutley, N. J., assignor to Hydrocarbon Research, Inc., New York, N. Y. Producing oxygen by liquefaction of air in which a portion of the air is expanded to supply refrigeration without loss of oxygen content of the air. 2,504,051, Apr. 11.
Scheibel, Edward G., Nutley, N. J., assignor to Hydrocarbon Research, Inc., New York, N. Y. Heat exchanger. 2,529,516, Nov. 14.
Scheibli, James R.: *See*— Bergsteinsson, Ingolfur, Evans, and Scheibli.
Scheid, Herman, Keenesburg, Colo., assignor to Deere & Company, Moline, Ill. Pickup mechanism. 2,513,430, July 4.
Scheidemantel, Herman B., Muskegon, Mich., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Hand billiard ball cleaner and polisher. 2,527,855, Oct. 31.
Scheiderbauer, Robert A., Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Solutions of acrylonitrile polymers containing a color-free acidic compound. 2,502,030, Mar. 28.
Scheiderbauer, Robert A., Waynesboro, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Plasticized vinylidene chloride copolymers. 2,518,442, Aug. 15.
Scheidt, Robert J., California, Mo. Control device. 2,494,410, Jan. 10.
Scheiner, Martin L., New York, assignor to Sherron Metallic Corporation, Brooklyn, N. Y. Method and apparatus for the testing of reactances. 2,509,401, May 30.
Scheldorf, Marvel W., Syracuse, N. Y., assignor to General Electric Company. Wide band antenna structure. 2,507,225, May 9.
Schelkunoff, Sergei A., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Multiresonant cavity resonator. 2,518,383, Aug. 8.
Schell, Charles E., Emporium, Pa., assignor to Sylvania Electric Products, Inc. Base shield and method. 2,500,384, Mar. 14.
Schellenberg, Henri: *See*— Isler, Hans, Schellenberg, and Urech.
Schellentrager, Eugene W., Shaker Heights, assignor to The Atlas Bolt & Screw Company, Cleveland, Ohio. Bottom-dump hopper. 2,501,743, Mar. 28.
Schellentrager, William S., Chagrin Falls, E. S. Bale, Cleveland Heights, and H. G. Briggs, Shaker Heights, assignors to The Standard Oil Company, Cleveland, Ohio. Flare stack tip. 2,506,972, May 9.
Schellman, Joseph H., Ridley Park, Pa., assignor to Robert Hetherington & Son, Inc., Wilmington, Del. Wheatstone bridge follow-up system. 2,503,513, Apr. 11.
Schelter Last Co., Inc., assignee: *See*— Mutch, James B.
Schemansky, Raymond W., Detroit, Mich. Window stop. 2,527,278, Oct. 24.
Schemenauer, Harold L., Toledo, Ohio. Mouthpiece for reed musical instruments. 2,495,484, Jan. 24.
Schemm, Henry R.: *See*— Townsend, Paul H., and Schemm.
Schemm, Henry R., assignor to Huron Portland Cement Company, Detroit, Mich. Apparatus for conveying materials. 2,527,455, Oct. 24.
Schemm, Henry R., assignor to Huron Portland Cement Company, Detroit, Mich. Apparatus for conveying materials. 2,527,488, Oct. 24.
Schempp, Edward H.: *See*— Schempp, Robert H. and E. H.
Schempp, Reinhold: *See*— Payson, Peter, Schempp, and Savage.
Schempp, Robert H. and E. H., Maidstone, Saskatchewan, Canada. Swath turner. 2,529,577, Nov. 14.
Schenck, Alfred K., Glen Ridge, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Relay contacts of conducting rubber. 2,528,086, Oct. 31.
Schenck, Richard E.: *See*— Kelley, Robert R., and Schenck.
Schenck, Robert C.: *See*— Jack, Delbert E., Williamson, and Schenck.
Schenck, Robert C., assignor to The Duriron Company, Inc., Dayton, Ohio. Floor drain. 2,501,971, Mar. 28.
Schenk, Peter, South Ozone Park, N. Y. Variable displacement pump. 2,524,235, Oct. 3.
Schenk, Pieter, South Ozone Park, N. Y. Valve. 2,524,234, Oct. 3.
Schenk, Tamis C., Richmond Hill, N. Y. Bolt anchorage. 2,524,480, Oct. 3.
Schenke, Kurtiss P., New York, N. Y. Fluid-pressure-operated vise using hydraulic lock and screw-actuated ram for clamping and having a fluid by-pass for quick separation of jaws. 2,509,991, May 30.
Schenkel, Elmer E., Casper, Wyo. Film clip. 2,528,668, Nov. 7.
Schenkel, Gerrit: *See*— De Boer, Jan and Schenkel.
Schenker, Samuel W., New York, N. Y. Bed or body support. 2,532,425, Dec. 5.
Schenkman, Irving, Brooklyn, N. Y. Brassière. 2,497,324, Feb. 14.
Schenley Industries, Inc., assignee: *See*— De Becze, George, and Liebmann. Liebmann. Alfred J., and de Becze.
Schepman, Willis G.: *See*— Humbarger, Frank F., Pierson, and Schepman.
Schepmoes, Lindsley, New Haven, Conn., assignor to The Safety Car Heating and Lighting Company, Inc. Lighting fixture. 2,525,315, Oct. 10.
Scheppe, John J., Trenton, N. J. Drill shaft. 2,496,412, Feb. 7.
Scher, Louis S., New York, N. Y. Combination acoustic and electrical telephone pickup. 2,505,210, Apr. 25.
Scher, Nathan, assignee: *See*— Robertson, Harry C.
Scherba, Emma R., assignee: *See*— Scherba, Stephen.
Scherba, Stephen, assignor to E. R. Scherba, Milwaukee, Wis. Shoe bag. 2,497,325, Feb. 14.
Scherbatskoy, Serge A., assignor to Well Surveys, Incorporated, Tulsa, Okla. Transmitting of information in drill holes. 2,507,351, May 9.
Scherbatskoy, Serge A., Tulsa, Okla. Seismic exploration by means of periodic excitation. 2,521,130, Sept. 5.
Scherer, Adolph, New York, N. Y. Encasing lamp shades and other articles. 2,498,097, Feb. 21.
Scherer, George F., San Francisco, Calif., assignor to Rockwell Manufacturing Company, Pittsburgh, Pa. Coated valve and parts thereof. 2,525,831, Oct. 17.
Scherer, John O., assignor to R. P. Scherer Corporation, Detroit, Mich. Gelatin melter. 2,533,964, Dec. 12.
Scherer, Lester G., Los Angeles, Calif. Auto checking and counting means for parking areas. 2,528,790, Nov. 7.

Scherer, R. P., Corporation, assignee: *See*—
Berg, James R.
Carlson, Gustaf H.
Scherer, John O.
Senff, Karl.

Scherer, Wayne R., Trooper, assignor, by mesne assignments, to Taylor Fibre Co., Norristown, Pa. Apparatus for winding tubes. 2,518,075, Aug. 8.

Scherger, Thomas A., assignor to The Studebaker Corporation, South Bend, Ind. Manifold. 2,503,071, Apr. 4.

Scherig, Roy K., Avenel, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Guard for material cutting apparatus. 2,518,076, Aug. 8.

Schering Corporation, assignee: *See*—
Hershberg, Emanuel B., and Kutner.
Papa, Domenick, and Schwenk.
Schwenk, Erwin, and Papa.
Sperber, Nathan, and Papa.
Sperber, Nathan, Papa, and Schwenk.

Schermerhorn, George R., Sr.: *See*—
Hinz, Henry C., Jr., Schermerhorn, Sr., and Dorn.

Schermuly, Alfred J.: *See*—
Schermuly, Conrad D., A. J., and C.
Schermuly, Conrad D., A. James, and Charles.

Schermuly, Charles: *See*—
Schermuly, Conrad D., A. J., and C.

Schermuly, Conrad D., A. J., and C., Parkgate, Newdigate, England. Mold. 2,502,595, Apr. 4.

Schermuly, Conrad D., A. J., and C. Parkgate, Newdigate, England. Tail or bridle for rockets. 2,521,655, Sept. 5.

Schermuly, Conrad D., A. J., and C., Parkgate, Newdigate, England. Drift release mechanism for presses. 2,524,481, Oct. 3.

Schermuly, Conrad D., A. J., and C., Parkgate, Newdigate, England. Illuminating flare. 2,530,084, Nov. 14.

Scherquist, George A., Los Angeles, Calif. Skirt display device. 2,509,578, May 30.

Scherrer, Vadim, Paris, France, assignor to Societe Francaise Radio Electrique. Demountable vacuum tube. 2,506,687, May 9.

Scherstuhl, Sydney M., St. Louis, Mo. Foldable rack. 2,530,632, Nov. 21.

Schetty, Guido: *See*—
Schmid, Otto, and Schetty.

Schetz, Alfred J.: *See*—
Krause, Carl H., Meylich, and Schetz.

Scheuermann, Joseph S., and T. N. Carter, Chicago, Ill., assignors to Cameron Machine Company, Brooklyn, N. Y. Web tension control means. 2,521,413, Sept. 5.

Scheuermann, Otto G.: *See*—
Natzler, Paul, and Scheuermann.

Scheuermann, Otto G., Westfield, N. J., and P. Natzler, Jackson Heights, N. Y., assignors to Conmar Products Corporation, Newark, N. J. Mold for producing interlocked slider bodies and pull for slide fasteners. 2,509,278, May 30.

Scheuermeyer, Emil, Upper Darby, Pa., assignor to General Electric Company. Electric switch. 2,531,165, Nov. 21.

Schexnaildre, Earl J.: *See*—
Buquoi, John Q., Noels, Jr., and Schexnaildre.

Schexnailder, Robert E., Jr., Baton Rouge, La., assignor to Standard Oil Development Company. Preparation of an oxo synthesis catalyst. 2,500,210, Mar. 14.

Schexnailder, Robert E., Jr., Baton Rouge, La., assignor to Standard Oil Development Company. Oxo synthesis followed by hydrogenation to alcohols. 2,500,913, Mar. 14.

Schiappa, Anthony, assignor to Moore Fabric Company, Pawtucket, R. I. Machine for equalizing tension in rubber threads before feeding the threads to thread covering machines. 2,501,413, Mar. 21.

Schiavi, Vincent, Wilmington, Del., assignor to Roadgrader Gauge Corporation. Attachment for road grading machinery. 2,510,523, June 6.

Schiavone, Edward L., Silver Spring, Md. Sewing thimble. 2,528,976, Nov. 7.

Schibler, Luzius, assignor to Ciba Limited, Basel, Switzerland. Hardenable emulsion serving as binding agent and making same. 2,498,454, Feb. 21.

Schick, Anton J., Englewood, assignor to The Harick Company, Tenafly, N. J. Machine tool. 2,513,213, June 27.

Shick Incorporated, assignee: *See*—
Kahn, Samuel.

Schick, John W.: *See*—
Hartough, Howard D., and Schick.

Schick, Paul W., San Diego, Calif. Corncob buttering machine. 2,508,689, May 23.

Schieber, Robert E., Detroit, Mich. Heat-treating. 2,510,718, June 6.

Schiel, William, Irvington, and N. Zacher, Livingston, N. J. Animal tether. 2,507,383, May 9.

Schier, Mayer B. A., New York, N. Y. Adjustable auditory insert. 2,521,414, Sept. 5.

Schier, Wallace, Forest Hills, and D. L. Doggett, Mount Kisco, N. Y. Doll. 2,530,032, Nov. 14.

Schiermeier, Knapel F., Alton, Ill., assignor to Shell Development Company, San Francisco, Calif. Soluble oil base. 2,516,838, Aug. 1.

Schiermeier, Knapel F., and H. A. Poitz, Alton, Ill., assignors to Shell Development Company, San Francisco, Calif. Corrosion preventive compositions. 2,509,786, May 30.

Schiermeier, Knapel F., Alton, and W. E. Heinz, Roxana, Ill., assignors to Shell Development Company, San Francisco, Calif. Preparing wax compositions. 2,535,604, Dec. 26.

Schiesel, Ervin E., Meriden, Conn., assignor to Premium Merchandising Corporation, New York, N. Y. Writing instrument. 2,505,211, Apr. 25.

Schiff, Ann R., Columbus, Ohio. Retainer for spectacles. 2,499,332, Feb. 28.

Schiff, Floyd F., Chicago, Ill. Post driver and ejector. 2,525,316, Oct. 10.

Schiff, Karl L., assignor to The Budd Company, Philadelphia, Pa. Bulkhead door and the like and fastening means for same. 2,511,268, June 13.

Schiff, Sigmund, Cincinnati, Ohio, assignor to the United States of America as represented by the Secretary of War. Rammer. 2,520,966, Sept. 5.

Schiff, Sigmund, Cincinnati, Ohio. Rammer. 2,522,543, Sept. 19.

Schiffbauer, Daniel, deceased, Morgantown, W. Va.; E. Miller, administratrix of said D. Schiffbauer, assignor to H. Schiffbauer. Bobsled. 2,525,833, Oct. 17.

Schiffbauer, Howard, assignee: *See*—
Schiffbauer, Daniel.

Schiffmann, Robert P., Chicago, Ill. Fishing lure. 2,522,725, Sept. 19.

Schild, Charles A., and G. D. Stapleton, Fort Wayne, Ind., assignors to General Electric Company. Machine for producing laminated core structures. 2,522,238, Sept. 12.

Schild & Co. Societe Anonyme, assignee: *See*—
Steinmann, Emile.

Schild, Heinz: *See*—
Rinke, Heinrich, Schild, and Siefken.

Schildknecht, Calvin E., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Polymerization of vinyl ethers. 2,513,820, July 4.

Schildknecht, Calvin E., Montclair, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Stabilized polyvinyl alkyl ethers. 2,521,950, Sept. 12.

Schildknecht, Paul, assignor to Machine-Craft Mfg. Co., Los Angeles, Calif. Mixer. 2,510,934, June 6.

Schildkraut, Helene: *See*—
Schildkraut, Tamara and H.

Schildkraut, Tamara, Great Neck, and H. Schildkraut, New York, N. Y. Cosmetic case. 2,528,612, Nov. 7.

Schildmeier, Henry C., Indianapolis, Ind. Tire lift structure. 2,516,260, July 25.

Schiller, Bernhardt, Hillside, and R. M. Beach, Florham Park, assignors to Nopco Chemical Company, Harrison, N. J. Fat liquoring and alum tanning. 2,496,640, Feb. 7.

Schiller, Bernhardt, Hillside, and R. M. Beach, Florham Park, assignors to Nopco Chemical Company, Harrison, N. J. Fat liquoring and alum tanning. 2,496,641, Feb. 7.

Schiller, James C., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Synthesis of hydrocarbons and oxygenated organic compounds. 2,525,080, Oct. 10.

Schiller, Lawrence J., Oak Harbor, Ohio. Low green crop harvesting machine. 2,513,111, June 27.

Schilling, Clarence J., assignor to Air Products, Incorporated, Chattanooga, Tenn. Insulated container and insulating the same. 2,513,749, July 4.

Schilling, Frederick B., Manhasset, assignor to Nichols Engineering & Research Corporation, New York, N. Y. Saparating apparatus. 2,530,181, Nov. 14.

Schilling, Joseph, assignee: *See*—
Tiedje, Richard T.

Schilling, Lorell J., Galesville, Wis., assignor to Babson Bros. Co. Milking timer. 2,534,927, Dec. 19.

Schildinger, Harry B., assignee: *See*—
Serafini, Luigi.

Schilperoort, Anna J., Colliers Wood, England. Display cards, tablets, notices, signs, and the like. 2,507,578, May 16.

Schimel, Abe, Bronx, N. Y. Holder for metal wool. 2,493,835, Jan. 10.

Schimmel, Madalyn M., Los Angeles, Calif. Evening dress construction. 2,516,426, July 25.

Schimmel, Paul: *See*—
Gedat, Curt R., Schimmel, and Atkins.

Schindler, Carl, Wauwatosa, Wis., assignor to McGraw Electric Company. Electromagnetic stepping trip. 2,515,530, July 18.

Schindler, Carl, Wauwatosa, and O. Froland, Milwaukee, Wis., assignors to McGraw Electric Company. Retarded circuit breaker after reclosing. 2,506,744, May 9.

Schindler, Henry E., Seattle, Wash. Fishhook holder. 2,497,188, Feb. 14.

Schindler, Henry E., Sisseton, S. Dak. Earthworking and treating implement. 2,515,317, July 18.

Schindler, Walter R., assignor to Hot Kap Manufacturing Company, Los Angeles, Calif. Machine for manufacturing paper plant protectors. 2,511,417, June 13.

Schinman, Carl E., Seattle, Wash. Fabricated refractory metal firebox. 2,534,832, Dec. 19.

Schinnerer, Ludwig J., Lakewood, assignor to Cleveland Steel Products Corporation, Cleveland, Ohio. Broaching tool. 2,511,298, June 13.

Schipanski, Emil R., Gardena, Calif. Sterilizer. 2,497,326, Feb. 14.

Schipanski, Emil R., Gardena, Calif. Autoclave. 2,526,974, Oct. 24.
Schirmer, Walter A.: *See*—
Feucht, Albert, and Schirmer.
Schittelbauer, Anthony: *See*—
Bauer, Joseph, and Schittelbauer.
Schjelderup, Egil, Oslo, Norway. Bag. 2,515,316, July 18.
Schjolin, Hans O., Birmingham, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Turbodrive control. 2,523,783, Sept. 26.
Schjolin, Hans O., Oakland, assignor to General Motors Corporation, Detroit, Mich. Flexible coupling. 2,507,999, May 16.
Schladermundt, Peter, Bronxville, N. Y. Combination table and bench structure and teeter-totter. 2,510,199, June 6.
Schlaefer, Louis J., assignee: *See*—
Welch, Louis P.
Schlaepfer, Jean, Zurich, Switzerland. Speed change power transmission. 2,531,992, Nov. 28.
Schlafly, Hubert J., Jr., Cambridge, Mass., assignor to General Electric Company. Wide band flexible section for wave guides. 2,528,248, Oct. 31.
Schlaich, Herman, Elmhurst, N. Y. Safety control for shower heads and other hot-water outlets. 2,534,378, Dec. 19.
Schläpfer, Hans, and J. Bindler, assignors to J. R. Geigy A. G., Basel, Switzerland. Tetra-(carboxyalkyl)-1 : 2-diaminocyclohexanes and making same. 2,519,708, Aug. 22.
Schläpfer, Oscar, Winterthur, Switzerland, assignor to Sulzer Freres, Societe Anonyme. Apparatus for weakening the field in traction motors for vehicles. 2,513,588, July 4.
Schläpfer, Reinhard, Basel, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J. Nicotinic acid-β-picolyl-amide and the manufacture thereof. 2,493,645 Jan. 3.
Schläpfer, Reinhard, Basel, Switzerland, assignor to Hoffman-LaRoche Inc., Nutley, N. J. Esters of pyridyl-3-carbinol. 2,524,838, Oct. 10.
Schlaphoff, Elmer C.: *See*—
Schlaphoff, Erwin D. and E. C.
Schlaphoff, Erwin D. and E. C., Waverly, Nebr. Dirigible spraying device for use in sprayers of the articulated boom type. 2,514,725, July 11.
Schlaugh, Otto, and R. D. Peterson, Yakima, Wash. Foot measuring device for adults and children's feet. 2,522,899, Sept. 19.
Schlegel, Carl F., Brighton, assignor to The Schlegel Manufacturing Company, Rochester, N. Y. Window glass guide. 2,503,887, Apr. 11.
Schlegel, Karl F., Jr., Penfield, N. Y. Bib. 2,517,357, Aug. 1.
Schlegel, Kurt, New York, N. Y. Shuttle-holding and mounting mechanism for sewing and quilting machines. 2,529,969, Nov. 14.
Schlegel Manufacturing Company, The, assignee: *See*—
Schlegel, Carl F.
Schlegel, Walter L., Jr., assignor to American Steel Foundries, Chicago, Ill. Snubber. 2,496,254, Jan. 31.
Schlegel, Walter L., Jr., and F. E. Bachman, assignors to American Steel Foundries, Chicago, Ill. Snubber. 2,510,259, June 6.
Schleh, Albert C., St. Paul, Minn. Lawn sprinkler. 2,524,930, Oct. 10.
Schleicher, Harold E., West Hartford, assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Overload protective device. 2,495,608, Jan. 24.
Schleicher, Harold E., West Hartford, assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Electromagnetic switch. 2,496,178, Jan. 31.
Schleicher, Harold E., West Hartford, assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Movable contact retaining means for electric switches. 2,519,855, Aug. 22.
Schleicher, Harold E., West Hartford, assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Arc extinguishing means for alternating current electric switches. 2,534,069, Dec. 12.
Schleif, Edwin H., Inwood, N. Y. Sign fabricating stencil. 2,520,567, Aug. 29.
Schleimer, Floyd V., San Francisco, Calif. Contact printer having spring urged negative holder. 2,523,669, Sept. 26.
Schleimer, Floyd V., assignor to Duart Manufacturing Co., Ltd., San Francisco, Calif. Electric preheater for hair waving. 2,525,274, Oct. 10.
Schlenner, Victor H., Wood Lake, Minn. Device for controlling a hay rake from a remote point. 2,519,074, Aug. 15.
Schlenz, Harry E., Glencoe, assignor to Pacific Flush Tank Company, Chicago, Ill. Digesting sewage sludge or trades wastes. 2,516,076, July 18.
Schlenz, Joseph A., Boys Town, Nebr. Hitch for trailers. 2,527,155, Oct. 24.
Schleper, Anthony J., Highland, Ill. Power take-off. 2,517,721, Aug. 8.
Schleret, Armand P.: *See*—
Danielsen, August A., and Schleret.
Schlesinger, Edgar E., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Corner structure. 2,532,464, Dec. 5.
Schlesinger, Gabriel J., New York, N. Y., now by judicial change of name G. J. Sinclair, assignor to The United Piece Dye Works, Lodi, N. J. Textile treating apparatus. 2,504,882, Apr. 18.
Schlesinger, Hermann I., and G. W. Schaeffer, Chicago, Ill., assignors to the United States of America as represented by the United States Atomic Energy Commission. Surface hardening of ferrous metals. 2,494,267, Jan. 10.
Schlesinger, Hermann I., Chicago, Ill., and H. C. Brown, Detroit, Mich., assignors to the United States of America as represented by the Director of the Office of Scientific Research and Development. Alkoxy borohydrides and their preparation. 2,494,968, Jan. 17.
Schlesinger, Hermann I., and G. W. Schaeffer, Chicago, Ill., assignors to the United States of America as represented by the United States Atomic Energy Commission. Coating process. 2,528,454, Oct. 31.
Schlesinger, Hermann I., Chicago, Ill., and H. C. Brown, Detroit, Mich. Preparing alkali metal borohydrides. 2,534,533, Dec. 19.
Schlesinger Kurt, assignor to Columbia Broadcasting System, Inc., New York, N. Y. Pulse communication system. 2,532,338, Dec. 5.
Schlesinger, Kurt, assignor to Columbia Broadcasting System, Inc., New York, N. Y. Cathode-ray tube receiving system. 2,532,339, Dec. 5.
Schlesinger, Sigmund, New York, N. Y. Umbrella. 2,509,887, May 30.
Schlessman, John H., Avery, Ohio. Corn detasseling machine. 2,526,583, Oct. 17.
Schleuning, Hubert W.: *See*—
Johnson, Stanley A., and Schleuning.
Schlichter, John G., Akron, and K. Becker, Cuyahoga Falls, assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Mold-handling device. 2,514,190, July 4.
Schlichtig, Ralph C., Dishman, Wash. Air-conditioning system. 2,496,602, Feb. 7.
Schlicksupp, Theodore F., Long Island City, N. Y. Valve. 2,494,633, Jan. 17.
Schlicksupp, Theodore F., Long Island City, N. Y. Ball bearing 2,516,486, July 25.
Schlicksupp, Theodore F., Long Island City, N. Y. Method and apparatus for labeling fabrics. 2,516,487, July 25.
Schlicksupp, Theodore F., Long Island City, N. Y. Speed reduction gearing. 2,520,784, Aug. 29.
Schlicksupp, Theodore F., Long Island City, N. Y. Rotary and sliding ball bearing. 2,520,785, Aug. 29.
Schliestedt, Hans M., Chicago, Ill. Clamp type garment hanger. 2,506,391, May 2.
Schlitt, Joseph L., Darien, Conn., assignor to Air Reduction Company, Incorporated, New York, N. Y Separation of the constituents of air. 2,502,282, Mar. 28.
Schlitters, Michael J., Grosse Pointe Park, Mich. Recessing tool holder. 2,495,291, Jan. 24.
Schlitters, Michael J., Grosse Pointe Park, Mich. Cutoff and form tool holder. 2,499,529, Mar. 7.
Schlitz, Jos., Brewing Company, assignee: *See*—
Patterson, Chester A.
Schlitz, Thomas R., Hillside, N. J. Coin carrying identification tag. 2,511,651, June 13.
Schloer, George J., Brooklyn, N. Y. Direction locating disk. 2,508,894, May 23.
Schloer, Henry C.: *See*—
Thomas, William S.
Schloer, Henry C., Greene, N. Y. Dispensing container. 2,531,300, Nov. 21.
Schlote, Guido F., Milwaukee, Wis. Power transmission or torque converter. 2,508,971, May 23.
Schlumberger, Inc., assignee: *See*—
Barré, Robert A.
Schlumberger, Marcel, Paris, France, assignor to Schlumberger Well Surveying Corporation, Houston, Tex. Well conditioning apparatus. 2,526,695, Oct. 24.
Schlumberger Well Surveying Corporation, assignee: *See*—
Doll, Henri-Georges.
Krasnow, Shelley.
Lebourg, Maurice P.
Schlumberger, Marcel.
Schlumbohm, Peter, New York, N. Y. Refrigeration. 2,496,816, Feb. 7.
Schlumbohm, Peter, New York, N. Y. Cocktail shaker. 2,532,373, Dec. 5.
Schlums, Otto W., assignor to Whitin Machine Works, Whitinsville, Mass. Lap winding machine. 2,502,894, Apr. 4.
Schlytter, Arild, Fornebu, near Oslo, Norway. Ski binding. 2,522,303, Sept. 12.
Schmeiser, Theodore G., Fresno, Calif. Bearing assembly. 2,531,704, Nov. 28.
Schmeling, Ernest R.: *See*—
Lewis, Frank B., Jr., and Schmeling.
Schmeling, Ernest R., Union, Mich. Picnic fork. 2,517,448, Aug. 1.
Schmeling, William F., Fort Worth, Tex. Tension measuring means for tong arms. 2,527,456, Oct. 24.
Schmer, Jakub, assignor of one-half to J. Gould, New York N. Y. Electric heater for oil wells. 2,525,376, Oct. 10.
Schmerl, Egon F., Piedmont, Calif. Gastrointestinal tube. 2,508,690, May 23.
Schmerling, Louis, Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Preparing norcamphor. 2,500,385, Mar. 14.

Schmerling, Louis, Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Stabilization of organic compounds. 2,521,415, Sept. 5.

Schmerling, Louis, Riverside, assignor to Universal Oil Products Company, Chicago, Ill. N-hydroxyphenylisoindolines. 2,521,416, Sept. 5.

Schmerling, Louis, Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Aluminum salt composition and producing same. 2,522,641, Sept. 19.

Schmerling, Louis, Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Polycyclicalkyl arylsulfonic acid derivatives as surface-active agents. 2,524,086, Oct. 3.

Schmerling, Louis, Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Coprecipitation of silica-alumina. 2,526,907, Oct. 24.

Schmerling, Louis, Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Production of halogenated hydrocarbons. 2,533,052, Dec. 5.

Schmerling, Louis, Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Production of monohaloalkanes. 2,533,053, Dec. 5.

Schmid, Edson S., East Williston, N. Y. Insulator assembly. 2,502,756, Apr. 4.

Schmid, Gottlieb E., Parma Heights, assignor to The Monarch Aluminum Mfg. Company, Cleveland, Ohio. Apparatus for casting molten metal. 2,497,098, Feb. 14.

Schmid, John H., assignor to J. A. Zurn Manufacturing Company, Erie, Pa. Plumbing fitting assembly. 2,513,750, July 4.

Schmid, Max, Riehen, and H. Johner, assignors to Ciba Limited, Basel, Switzerland. Azo-dyestuffs. 2,518,077, Aug. 8.

Schmid, Max W., St. Gallen, assignor to P. Steiger, Herisau, Switzerland. Roller skate. 2,529,314, Nov. 7.

Schmid, Otto, Muttenz, and G. Schetty, assignors to J. R. Geigy A.-G., Basel, Switzerland. Metallizable azo dyestuffs and their manufacture. 2,494,969, Jan. 17.

Schmid, Otto, Muttenz, and M. Buchs, assignors to J. R. Geigy A. G., Basel, Switzerland. Monoazodyestuffs of the pyrazolone series free from sulfonic acid groups and making same. 2,518,078, Aug. 8.

Schmid, William, Bronson, Mich. Electric switch. 2,529,970, Nov. 14.

Schmidgall, Carl H.: *See*—
Noack, Andrew A., and Schmidgall.

Schmidinger, Joseph, Lake George, N. Y. Method and apparatus for the production of bead and wire assemblies. 2,529,971, Nov. 14.

Schmidling, Gilbert T., New York, assignor to International Mutoscope Corporation, Long Island City, N. Y. Combined television viewing and recording apparatus. 2,504,734, Apr. 18.

Schmidt, Andrew A., Los Angeles, Calif. Foldable table and seat assembly. 2,522,642, Sept. 19.

Schmidt, Arnold W., assignor to The George W. Borg Corporation, Delavan, Wis. Making abrasive pads. 2,528,183, Oct. 31.

Schmidt, August, Jr., Schenectady, N. Y., assignor to General Electric Company. Electric valve commutation circuits. 2,516,597, July 25.

Schmidt, August, Jr., Schenectady, N. Y., assignor to General Electric Company. Electric valve excitation circuit. 2,535,698, Dec. 26.

Schmidt, Benjamin F., Los Angeles, Calif. Reduction gearing. 2,505,434, Apr. 25.

Schmidt, Benjamin F., Los Angeles, Calif. Hoist. 2,505,435, Apr. 25.

Schmidt, Calvin R., Detroit, Mich., assignor to The Hoover Company, North Canton, Ohio. Signaling means for electric irons. 2,527,767, Oct. 31.

Schmidt, Christian, assignor to H. W. Madsen, Copenhagen, Denmark. Device for permanent waving of hair. 2,526,283, Oct. 17.

Schmidt, Edgar H., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Machine for making composite structures. 2,530,484, Nov. 21.

Schmidt, Edgar H., Wilmington, and K. F. Cossaboon, Claymont, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Machine for assembling sheet form material. 2,534,070, Dec. 12.

Schmidt, Edward G., Western Springs, assignor to Crane Co., Chicago, Ill. Rotary plug valve. 2,501,635, Mar. 21.

Schmidt, Edward G., Western Springs, assignor to Crane Co., Chicago, Ill. Resilient mounting. 2,533,183, Dec. 5.

Schmidt, Edward P., Brookfield, Ill. Assembling a full complement ball bearing. 2,518,942, Aug. 15.

Schmidt, Elmer V.: *See*—
Mann, William H., and Schmidt.

Schmidt, Emil G., Chicago, Ill. Cigarette and match case. 2,494,724, Jan. 17.

Schmidt, Ernst, assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Latex creaming in the presence of dibasic sodium phosphate. 2,495,141, Jan. 17.

Schmidt, Eugen, assignor to Sulzer Freres, Societe Anonyme, Winterthur, Switzerland. Variable capacity lubricating pump. 2,499,784, Mar. 7.

Schmidt, Francis J.: *See*—
Peter, Gustave C., and Schmidt.

Schmidt, Frank A., Iola, Wis. Soldering iron. 2,524,997, Oct. 10.

Schmidt, Fred H.: *See*—
Lawrence, Ernest O., Waithman, and Schmidt.

Schmidt, Frederick, Woodhaven, N. Y. Garment hanger for clotheslines. 2,505,306, Apr. 25.

Schmidt, Frederick G., assignor, by mesne assignments, to Electric Power Equipment Corporation, Philadelphia, Pa. Electric switch whose blade swings and twists. 2,521,484, Sept. 5.

Schmidt, Friedrich J., assignor to Auburn Machine Works, Inc., Auburn Nebr. Drive mechanism for trench digging machines. 2,519,075, Aug. 15.

Schmidt, Friedrich J., Auburn, assignor to Auburn Machine Works, Inc., Omaha, Nebr. Trench digger blade construction. 2,519,076, Aug. 15.

Schmidt, Friedrich J., Auburn, assignor to Auburn Machine Works, Inc., Omaha, Nebr. Trench digging machine. 2,519,077, Aug. 15.

Schmidt, Glenn T.: *See*—
Beckemeyer, Edgar G., and Schmidt.

Schmidt, Gottfried J., Pearl River, N. Y., assignor to Bowling Patents Management Corporation. Off spot pin detecting and sweep control mechanism for bowling pin spotting machines. 2,514,457, July 11.

Schmidt, Hans, Union, N. J., assignor to American Can Company, New York, N. Y. Magnetic can turnover mechanism. 2,499,422, Mar. 7.

Schmidt, Howard F., and P. L. Brady, assignors to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Retractable landing gear with an automatic down-latch. 2,504,458, Apr. 18.

Schmidt, Howard F., San Diego, and G. T. Gerlach, Coronado, Calif., and J. C. Squiers, Detroit, Mich., assignors of one-half to said Schmidt, one-eighth to W. J. Janson, one-eighth to T. P. Mahoney, one-eighth to M. E. Novak, San Diego, Calif., and one-eighth to said Gerlach. Support for household utility devices. 2,534,683, Dec. 19.

Schmidt, John H., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Tuning plunger for variable resonant cavities. 2,523,725, Sept. 26.

Schmidt, Joseph J., and L. L. Popky, assignors to Fleetwood Airflow Inc., Wilkes-Barre, Pa. Refrigerated case with replaceable complete refrigerated unit. 2,502,893, Apr. 4.

Schmidt, Karl C., Western Springs, Ill. Machine for molding concrete pipes, hollow blocks, and the like. 2,525,275, Oct. 10.

Schmidt, Karl F., Grand Rapids, Mich. Lifting attachment for glass table tops. 2,503,565, Apr. 11.

Schmidt, Knud E. A., Copenhagen, Denmark. Foldable reclining chair. 2,493,646, Jan. 3.

Schmidt, Lewis W., Rio Vista, Calif., assignor of twenty-one and one-fourth per cent to C. A. Loucks, thirty-six and one-fourth per cent to L. K. Schmidt, twenty-one and one-fourth per cent to A. M. Jongeneel, and twenty-one and one-fourth per cent to H. G. du Bose, executrix of G. P. du Bose, deceased. Tractor-mounted beet harvester. 2,535,960, Dec. 26.

Schmidt, Lloyd K., assignee: *See*—
Lea, Henry V.
Schmidt, Lewis W.

Schmidt, Mark S.: *See*—
Fredenhagen, Walter S., and Schmidt.

Schmidt-Nickels, Wilhelm: *See*—
Max, Fritz, and Schmidt-Nickels.

Schmidt-Nickels, Wilhelm, Little York, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Phosphorus pentoxide in phosphoric acid for thioxanthone ring closure. 2,521,676, Sept. 12.

Schmidt-Nickels, Wilhelm, Little York, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Heterocyclic benzanthrone compounds. 2,527,380, Oct. 24.

Schmidt, Norman W., assignee: *See*—
Suman, Theodore.

Schmidt, Paul, assignor to Wytheville Knitting Mills, Wytheville, Va. Full-fashioned stocking. 2,503,221, Apr. 4.

Schmidt, Paul A., near Earlville, Ill. Wire-winding apparatus. 2,517,722, Aug. 8.

Schmidt, Theodore J., Portland, Oreg. Artificial limb and making the same. 2,520,659, Aug. 29.

Schmidt, Walter M., assignor to Western Precipitation Corporation, Los Angeles, Calif. Electrode construction for electrical precipitators. 2,532,734, Dec. 5.

Schmidt, William B., Hutchinson, Minn. Downspout strainer. 2,494,780, Jan. 17.

Schmidt, William E., Chicago, Ill., assignor to Carnegie-Illinois Steel Corporation. Water-cooled refractory damper. 2,494,634, Jan. 17.

Schmidt, Willy A.: *See*—
Coroniti, Samuel C., Schmidt, and Baldwin.
Sprung, Joseph A., and Schmidt.
Tulagin, Vsevolod, and Schmidt.

Schmidt, Willy A., and R. C. Gunther, Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y. Silver halide developers for the production of azine dyestuff images. 2,527,379, Oct. 24.

Schmidt, Willy A., and J. A. Sprung, Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y. Preparation of azine dyestuff images. 2,536,010, Dec. 26.

Schmiedt, David H., Stockton, Calif. Folding hook. 2,500,471, Mar. 14.

Schmiel, Herbert H.: *See*—
Stacey, Hugh J., and Schmiel.
Schmitt, Bernard A., Chicago, Ill. Sewing machine. 2,532,790, Dec. 5.
Schmitt, Bertram P., Jamaica, N. Y. Gear pump for pressure lubrication purposes. 2,531,861, Nov. 28.
Schmitt, Carl M., Elmhurst, Ill. Work holder supported and clamped between vise jaws. 2,532,952, Dec. 5.
Schmitt, Frank R., Queens Village, assignor to C. A. Morton, Baldwin, N. Y. Dough extrusion device. 2,511,826, June 13.
Schmitt, Frank W., Colorado Springs, Colo. Folding camp stove. 2,511,515, June 13.
Schmitt, George P., assignor to Cardinal Products Inc., New York, N. Y. Catalytic device. 2,493,266, Jan. 3.
Schmitt, Heinz E., Patterson Field, Ohio. Turbojet engine with afterburner and fuel control system therefor. 2,520,967, Sept. 5.
Schmitt, Henry M., Glenside, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Cloth bleaching operation. 2,522,900, Sept. 19.
Schmitt, Ludwig: *See*—
Kaltenbach, Carl, and Schmitt.
Schmitt, Otto H., Mineola, N. Y., assignor to the United States of America as represented by the Secretary of the Navy. Radio-frequency generator. 2,524,211, Oct. 3.
Schmitt, Otto H., Mineola, N. Y., assignor to Regents of the University of Minnesota, Minneapolis, Minn. Heat sensitive circuits. 2,533,286, Dec. 12.
Schmitt, Otto H., Mineola, N. Y., assignor to Regents of the University of Minnesota, Minneapolis, Minn. Thermistor system. 2,533,287, Dec. 12.
Schmitt, Otto H., Mineola, N. Y., assignor to Regents of the University of Minnesota, Minneapolis, Minn. Temperature stabilization. 2,533,288, Dec. 12.
Schmitt, Otto H., Mineola, N. Y., assignor to Regents of the University of Minnesota, Minneapolis, Minn. Thermistor high-frequency ammeter. 2,533,289, Dec. 12.
Schmitt, William, Reno, Nev. Safety ash tray. 2,495,185, Jan. 17.
Schmitter, Walter P., Wauwatosa, assignor to The Falk Corporation, Milwaukee, Wis. Idler mounting for bevel type reversing gearing. 2,514,262, July 4.
Schmitter, Walter P., Wauwatosa, assignor to The Falk Corporation, Milwaukee, Wis. Gear set. 2,516,077, July 18.
Schmitter, Walter P., Wauwatosa, assignor to The Falk Corporation, Milwaukee, Wis. Gear set. 2,516,078, July 18.
Schmitz, Charles G.: *See*—
Smith, Vaughn R., and Schmitz.
Schmitz, Frederick W., Irvington, N. J., assignor to Research Corporation, New York, N. Y. Concentration control. 2,498,008, Feb. 21.
Schmitz, Henry A., Jr., Shorewood, assignor to A. O. Smith Corporation, Milwaukee, Wis. Foam skimmer. 2,493,166, Jan. 3.
Schmitz, Norbert L.: *See*—
Seeger, Edwin W., and Schmitz.
Schmitz, Otto, Granges, Switzerland. Watertight watchcase. 2,495,552, Jan. 24.
Schmitz, William R., Jr., Newark, N. J. Preventing clogging of drain troughs. 2,533,402, Dec. 12.
Schmohl, Leland H., Cleveland Heights, and J. L. Habe, assignors to The Parker Appliance Company, Cleveland, Ohio. Fluid pump. 2,533,965, Dec. 12.
Schmutzler, Alfred F., Teaneck, N. J., and D. F. Othmer, Coudersport, Pa. Toner manufacture. 2,525,834, Oct. 17.
Schmutzler, Alfred F., Teaneck, N. J., and D. F. Othmer, Coudersport, Pa. Preparation of coated pigment particles. 2,525,835, Oct. 17.
Schnabel, Fred C., Hopkins, Minn. Cake container and server. 2,530,910, Nov. 21.
Schnacke, Walter H., assignee: *See*—
Craig, Harry G.
Schnaible, Albert P., assignor to Bendix Aviation Corporation, South Bend, Ind. Fuel metering device. 2,502,997, Apr. 4.
Schnavely, Lloyd J.: *See*—
Haber, Max C., Paker, and Schnavely.
Schneck, Frederick W., Pacific Palisades, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind. Snap-action pilot valve. 2,507,384, May 9.
Schneeberger, Robert J., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Inverted tetrode vacuum tube voltmeter. 2,534,028, Dec. 19.
Schneeman, William A., Webster Groves, Mo. Latch structure for merchandise receptacles. 2,530,543, Nov. 21.
Schneible, Claude B., Detroit, Mich. Separation of solids in a medium. 2,507,461, May 9.
Schneible, Claude B., Detroit, and C. C. Hermann, Grosse Pointe Park, Mich., said Hermann assignor to said Schneible. Gas purifying burner. 2,521,541, Sept. 5.
Schneider, Albert E. R., Lakewood, assignor to Schneider Transportation Company, Cleveland, Ohio. General utility loading and unloading apparatus for ships and the like. 2,522,466, Sept. 12.
Schneider, Alexander S., Leominster, assignor to F. J. Kirk Molding Company, Inc., Clinton, Mass. Razor blade dispensing package. 2,518,079, Aug. 8.
Schneider, Ben A., Laurel, Miss. Agitator for brickmaking machines. 2,507,819, May 16.
Schneider, Benjamin B., assignee: *See*—
Browner, William J.
Schneider, Carl, Enfield, Conn. Transplanter drill set. 2,534,798, Dec. 19.
Schneider, Charles G., Brentwood Borough, Pa., assignor to Hall Laboratories, Inc. De-salting pickled hides and skins. 2,516,860, July 25.
Schneider & Cie, assignee: *See*—
Fieux, Jean.
Schneider, Doris M., Raspeburg, Md. Bottle carrier. 2,518,823, Aug. 15.
Schneider, Edwin G., Watertown, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Tuned ultra high frequency thermionic detector. 2,524,179, Oct. 3.
Schneider, Emmor V., assignor to The Alliance Manufacturing Company, Alliance, Ohio. Spindle and bearing assembly. 2,503,971, Apr. 11.
Schneider, Eugene S., Bristol, assignor to Rohm & Haas Company, Philadelphia, Pa. New-type drum package. 2,511,481, June 13.
Schneider, Frank H., assignor to Florence Stove Company, Gardner, Mass. Broiler. 2,512,287, June 20.
Schneider, Frank J. Jr: *See*—
Ehlert, William C., and Schneider, Jr.
Schneider, Fred B., Wesleyville, Pa., assignor to General Electric Company. Axial flow impeller. 2,503,072, Apr. 4.
Schneider, George, South Orange, N. J., assignor to Celanese Corporation of America. Production of spinning jets. 2,496,961, Feb. 7.
Schneider, Gerhard G., Maplewood, assignor to National Union Radio Corporation, Orange, N. J. Tube removing mechanism. 2,498,456, Feb. 21.
Schneider, Gerhard G., Maplewood, assignor to National Union Radio Corporation, Newark, N. J. Pin feeding mechanism. 2,507,185, May 9.
Schneider, Gerhard G., Maplewood, assignor to National Union Radio Corporation, Newark, N. J. Piece handling machine for delivering thin pieces of material. 2,507,186, May 9.
Schneider, Gerhard G., and F. L. Donohue, Maplewood, assignors to National Union Radio Corporation, Newark, N. J. Heater inserting mechanism. 2,498,455, Feb. 21.
Schneider, Harold N., Philadelphia, Pa., assignor to General Electric Company. Contact structure for electric circuit breakers. 2,517,136, Aug. 1.
Schneider, Helmuth G.: *See*—
Mistretta, Vincent F., and Schneider.
Schneider, Helmuth G., Westfield, C. F. Van Gilder, and T. J. Peters, Jr., Roselle, N. J., assignors to Standard Oil Development Company. Purification of phenols. 2,493,781, Jan. 10.
Schneider, Helmuth G., Westfield, and D. W. Young, Roselle, N. J., assignors to Standard Oil Development Company. Resinous copolymers of diolefins with refinery C_4 cuts. 2,523,150, Sept. 19.
Schneider, Henry J.: *See*—
Croxall, Willard J., and Schneider.
Schneider, John G., Toledo, Ohio. Flashlight having a switch to convert the flashlight into a testing device. 2,519,294, Aug. 15.
Schneider, Joseph F., Port Edwards, and B. C. Brazeau; said Brazeau assignor to Central Cranberry Company, Wisconsin Rapids, Wis. Cranberry harvester. 2,504,459, Apr. 18.
Schneider, Julius L., Chicago, and R. J. Evans, Bensenville, Ill., assignors to Continental Can Company, Incorporated, New York, N. Y. Thiourea impregnated sealing compound. 2,535,869, Dec. 26.
Schneider, Karl: *See*—
Burdick, Will S., and Schneider.
Schneider, Max: *See*—
Birchmeier, Fritz.
Schneider, Max E., San Antonio, Tex. Convertible coin rolling machine. 2,533,144, Dec. 5.
Schneider, Max S., Chicago, Ill. Electroplating rack. 2,505,212, Apr. 25.
Schneider, Max S., Chicago, Ill. Electroplating rack. 2,512,554, June 20.
Schneider, Max S., Chicago, Ill. Electroplating rack. 2,532,516, Dec. 5.
Schneider, Paul L.: *See*—
Critchfield, Robert M., and Schneider.
Schneider, Paul L., D. W. Nighbert, and H. J. Cromwell, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Engine starter drive. 2,509,110, May 23.
Schneider, Paul L., and H. J. Cromwell, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Starting motor drive. 2,523,151, Sept. 19.
Schneider, Peter: *See*—
Renner, Hayden H., Schneider, and Powell.
Schneider, Philip, Dunellen, N. J. Tile setting apparatus. 2,531,862, Nov. 28.
Schneider, Robert, Greensboro, N. C., assignor to Western Electric Company, Incorporated, New York, N. Y. Vacuum tube puller. 2,513,821, July 4.
Schneider, Robert A., Bridgeport, Conn. Navigational instrument. 2,526,284, Oct. 17.

Schneider, Roland, Deer Creek, assignor, by mesne assignments, to The Fulpit Company, Milwaukee, Wis. Milk strainer pad dispenser. Re. 23,233, May 23.

Schneider, Sidney: *See*—
Harney, William S., Jr., and Schneider.

Schneider Transportation Company, assignee: *See*—
Schneider, Albert E. R.

Schneider, Valerie, Lubbock, Tex., assignor to Phillips Petroleum Company. Drying oils and making same from clay tower polymers. 2,505,148, Apr. 25.

Schneider, Wilhelm: *See*—
Michael, Wilhelm, Goehre, Free, Fuener, and Schneider.

Schneider, Will, Cincinnati, Ohio. Hand-propelled vehicle. 2,518,642, Aug. 15.

Schneiderwirth, Herman J., Jenkintown, assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa. Stabilized thixotropic geis. 2,511,740, June 13.

Schneiderwirth, Herman J., Jenkintown, assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa. Emulsions containing resins. 2,529,460, Nov. 7.

Schneiderwirth, Herman J., Jenkintown, assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa. Emulsions. 2,529,461, Nov. 7.

Schnell, Ernst E.: *See*—
Hyland, William A., and Schnell.

Schnell, Frank A., Scotia, and E. L. Thearle, Rexford, N. Y., assignors to General Electric Company. Rotating antenna. 2,535,699, Dec. 26.

Schnell, James G., assignee: *See*—
Brill, Everett C.

Schnell, Steve, Kirkwood, assignor to Wagner Electric Corporation, St. Louis, Mo. Brake cylinder support. 2,496,562, Feb. 7.

Schnell, Steve, Kirkwood, assignor to Wagner Electric Corporation, St. Louis, Mo. Automatic circulating bleeding system for hydraulic brakes. 2,505,213, Apr. 25.

Schnell, Steve, Kirkwood, assignor to Wagner Electric Corporation, St. Louis, Mo. Two-forward shoe self-centering brake. 2,508,194, May 16.

Schnell, Steve, Kirkwood, assignor to Wagner Electric Corporation, St. Louis, Mo. Air released spring set brake control. 2,525,461, Oct. 10.

Schnepel, Lawrence S., and E. C. Spear, Cochituate, Mass. Speed and power geared hand wrench. 2,510,483, June 6.

Schnerb, Isaac: *See*—
Bloch, Rudolf, Farkas, Goldschmid, Lewin, Schnerb, and Goldschmidt.

Schnewind, Walter, Detroit, Mich. Display device for merchandise. 2,510,759, June 6.

Schnider, Otto, and A. Grüssner, Basel, Switzerland, assignors to Hoffmann-La Roche Inc., Nutley, N. J. Hydrophenanthrene derivatives and the manufacture of same. 2,524,855, Oct. 10.

Schnider, Otto, and A. Grüssner, Basel, Switzerland, assignor to Hoffman-La Roche Inc., Nutley, N. J. Piperido-phenanthrene derivatives and their production. 2,524,856, Oct. 10.

Schnorbus, Henry J., Baltimore, Md., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Measuring instrument. 2,519,508, Aug. 22.

Schnuck, Carl F., New Haven, assignor to Farrel-Birmingham Company, Incorporated, Ansonia, Conn. Cane mill. 2,501,585, Mar. 21.

Schober, Joseph E.: *See*—
Boynton, Wentworth D., and Schober.

Schoch, Adrien, Berne, Switzerland, assignor, by mesne assignments, to Gibone Anstalt, Vaduz, Liechtenstein. Hemostatic agent and preparation thereof. 2,527,579, Oct. 31.

Schoch, Thomas J., La Grange, Ill., assignor to Corn Products Refining Company, New York, N. Y. Fractionating starch. 2,515,095, July 11.

Schoch, Thomas J., La Grange, Ill., assignor to Corn Products Refining Company, New York, N. Y. Fractionating starch. 2,515,096, July 11.

Schock, Robert E.: *See*—
Atwood, John B., and Schock.
Peterson, Harold O., and Schock.

Schock, Robert E., Riverhead, N. Y., assignor to Radio Corporation of America. Locking and control circuit in a diversity telegraphy receiver. 2,495,826, Jan. 31.

Schock, Robert E., Riverhead, N. Y., assignor to Radio Corporation of America. Signal gating system. 2,504,884, Apr. 18.

Schock, Robert E., Riverhead, N. Y., assignor to Radio Corporation of America. Volume limiting circuits. 2,509,077, May 23.

Schock, Robert E., J. R. Atwood, H. A. Peterson, and G. E. Hansell, Riverhead, N. Y., assignors to Radio Corporation of America. Gating circuit for diversity receivers. 2,515,668, July 18.

Schoditsch, Fred, Elyria, Ohio. Collapsible yarn reel. 2,517,723, Aug. 8.

Schoebel, Agnes M., assignee: *See*—
Chaft, Marc E.

Schoelkopf, Louis F.: *See*—
Freund, Robert R., Royal, and Schoelkopf.

Schoelkopf Company, The, assignee: *See*—
Schoellkopf, Hugo W., Jr., and Hanson.

Schoellkopf, Hugo W., Jr., and G. A. Hanson, assignors to The Schoellkopf Company, Dallas, Tex. Gun case. 2,524,931, Oct. 10.

Schoen, Alice L.: *See*—
Schoen, André.

Schoen, André, Bangor, Pa., assignor to General Aniline Film Corporation, New York, N. Y. Printing with sulfuric acid esters of leuco vat dyes of the anthraquinone series. 2,521,485, Sept. 5.

Schoen, André, Stewartsville, N. J.; Alice Schoen, also known as Alice L. Schoen, executrix of said André Schoen, deceased, assignor to General Aniline & Film Corporation, New York, N. Y. Light-sensitive anthraquinone sulfonic acid photoprinting material containing a cupric salt. 2,504,593, Apr. 18.

Schoen, Frederick C., Jr., Asbury Park, N. J. Rippler attachment for icing machines. 2,509,533, May 30.

Schoenbaum, Joseph R., Roseland, N. J., assignor to Martin Elevator Company, Inc., New York, N. Y. Electronic braking means for electric motors. 2,514,342, July 4.

Schoenbaum, Joseph R., Roseland, N. J., assignor to Curtiss-Wright Corporation. Frequency responsive system. 2,522,139, Sept. 12.

Schoenberg, Abraham J., assignor to Empire Furniture Manufacturing Company, Clinton, Mass. Fastener for detachable table legs. 2,501,746, Mar. 28.

Schoenberg, Virgil A., Glen View, Ill. Trigonometric calculator. 2,505,149, Apr. 25.

Schoenberger, John H., Coronado, Calif. Flexible jaw wrench having multiple adjusting means. 2,497,582, Feb. 21.

Schoenberger, W. J., Company, assignee: *See*—
Matthews, Birchard L., and Zarybnicky.

Schoenborn, Ferdinand J. W.: *See*—
Atwood, John B., and Schoenborn.

Schoene, Dwight L., Naugatuck, Conn., assignor to United States Rubber Company, New York, N. Y. Polymeric addition products of reactive methylenic compounds and sulfone-activated ethylenic compounds. 2,493,364, Jan. 3.

Schoene, Dwight L., Naugatuck, Conn., assignor to United States Rubber Company, New York, N. Y. Polymeric compositions from divinyl sulfone. 2,505,366, Apr. 25.

Schoene, Dwight L., Naugatuck, Conn., assignor to United States Rubber Company, New York, N. Y. Polymerization of 2-substituted thiazoles. 2,515,318, July 18.

Schoene, Dwight L., and V. S. Chambers, Naugatuck, Conn., assignors to United States Rubber Company, New York, N. Y. Cellulose treated with di-vinyl sulfone to shrinkproof. 2,524,399, Oct. 3.

Schoene, Dwight L., and V. S. Chambers, Naugatuck, Conn., assignors to United States Rubber Company, New York, N. Y. Chemically modified starches. 2,524,400, Oct. 3.

Schoenfeld, Earl H.: *See*—
Milwitt, William, and Schoenfeld.

Schoenfeld, Earl H., Mamaroneck, N. Y., assignor to Radio Corporation of America. Electronic signal shaping circuit. 2,498,900, Feb. 28.

Schoenfeld, Earl H., Mamaroneck, N. Y., assignor to Radio Corporation of America. Timer and synchronizing signal generator. 2,515,613, July 18.

Schoenfeld, Joseph, Larkspur, Calif. Pot drainer. 2,511,791, June 13.

Schoenfielder, Charles R., Aurora, Ill. Rail lifting device. 2,523,880, Sept. 26.

Schoenky, Otto B.: *See*—
Schuster, Leonard R., and Schoenky.

Schoenrock, Otto R., Oak Park, Ill., assignor to J. I. Case Company, Racine, Wis. Pump throwout device. 2,528,669, Nov. 7.

Schoenrock, Otto R., Oak Park, Ill., assignor to J. I. Case Company, Racine, Wis. Preheating system for internal-combustion engines. 2,535,758, Dec. 26.

Schoenwetter, Reinhold D., Rosslyn, Va., assignor, by mesne assignments, to Swirling Heat Corporation. Pressure atomizing type oil burner. 2,501,414, Mar. 21.

Schoepe, Adolf, Los Angeles, assignor to Kwikset Locks, Inc., Anaheim, Calif. Apparatus for spray coating. 2,528,087, Oct. 31.

Schoepe, Harry: *See*—
Curtis, Myron S., and Schoepe.

Schoepe, Harry, assignor to The Warner & Swasey Company, Cleveland, Ohio. Machine tool transmission and control. 2,525,428, Oct. 10.

Schoepfer, Alfred C., St. Petersburg, Fla. Garment hanger. 2,535,521, Dec. 26.

Schoeppel, John F., and A. Palya, assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control apparatus. 2,524,998, Oct. 10.

Schofield, Arthur: *See*—
Lantz, Louis A., Schofield and Spinner.

Schofield, Earl L., Rockford, Ill., assignor to Superior Coach Corporation, Lima, Ohio. Safety latch means for automobiles. 2,494,672, Jan. 17.

Schofield, Earl L., assignor, by mesne assignments, to A. F. Wintercorn, Rockford, Ill. Clutch for lawn mower reels. 2,505,794, May 2.

Schofield, Earl L., Rockford, Ill., assignor, by mesne assignments, to Superior Coach Corporation, Lima, Ohio. Ambulance cot hook. 2,529,517, Nov. 14.

Schofield, Harold E., Binghamton, assignor, to General Aniline & Film Corporation, New York, N. Y. Selectively removing formaldehyde from a formaldehyde-glyoxal mixture. 2,494,060, Jan. 10.
Schofield, Henry Z. : *See*—
Austin, Chester R., and Schofield.
Schofield Manufacturing Company, assignee : *See*—
Graver, Edwin H.
Schohl, John L., assignee : *See*—
Cintrón, Juan E.
Schoij, Edgar, assignor to Union Special Machine Company, Chicago, Ill. Clutch mechanism for sewing machines. 2,494,006, Jan. 10.
Scholes, Daniel R., Oak Park, assignor to Aermotor Company, Chicago, Ill. Pump jack. 2,507,352, May 9.
Scholfield, Richard P., New York, N. Y., assignor to Wheeldex Manufacturing Co. Inc. Filing apparatus. 2,493,167, Jan. 3.
Scholfield, Richard P., White Plains, N. Y. Rotary file and braking means therefor. 2,500,709, Mar. 14.
Scholl, James E., Washington, D. C. Decelerator for catapult pistons. 2,502,487, Apr. 4.
Scholl Mfg. Co., Inc., The, assignee : *See*—
Ruthsatz, Albert R.
Scholl, William M., assignee : *See*—
Carter, Edward J.
Scholl, William M., Chicago, Ill. Mounting and mounting assembly for adhesived articles. 2,493,267, Jan. 3.
Scholl, William M., Chicago, Ill. Tape container. 2,515,669, July 18.
Scholl, William M., Chicago, Ill. Tubular bandage. 2,522,842, Sept. 19.
Scholler, Rémy, Rueil, France. Soldering iron. 2,501,192, Mar. 21.
Scholnick, Nick : *See*—
Loss, Aaron, and Scholnick.
Scholten, Egbert : *See*—
Hugenholtz, Eduard H., and Scholten.
Scholten, Egbert, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Circuit arrangement for frequency controls. 2,531,301, Nov. 21.
Scholz, Caesar R. : *See*—
Djerassi, Carl, and Scholz.
Scholz, Edward R., assignor to American-La France-Foamite Corporation, Elmira, N. Y. Pyrotechnic-operated fire extinguisher. 2,530,633, Nov. 21.
Scholz, Theodore F. : *See*—
Sickels, Jackson P., and Scholz.
Schoner, Earl H. : *See*—
Simpson, Robert F., and Schoner.
Schonrock, Edwin A., San Angelo, Tex. Tail gate latch. 2,514,726, July 11.
Schonrock, Edwin A., San Angelo, Tex. Cable dump trailer. 2,517,933, Aug. 8.
Schoolman, Carol S. and I., Los Angeles, Calif. Jewelry. 2,526,087, Oct. 17.
Schoolman, Ira. : *See*—
Schoolman, Carol S. and I.
Schoon, Ray R., La Porte City, Iowa. Electric windshield defroster and wipers combined. 2,500,010, Mar. 7.
Schoonhoven, Jacob R., Freeport, Ill. Trap for rats and other animals. 2,527,966, Oct. 31.
Schopmeyer, Clifford S., Lake City, Fla., assignor to the United States of America as represented by the Secretary of Agriculture. Squeeze-bottle atomizer for acid liquids. 2,531,745, Nov. 28.
Schorger, Arlie W., Madison, Wis., assignor to Burgess Cellulose Company, Freeport, Ill. Stereotype mat. 2,533,145, Dec. 5.
Schormuller, Anton : *See*—
McCready, Wesley K., and Schormuller.
Schorn, Carl F., Detroit, Mich, assignor to G. M. and E. Holley. Fuel pump. 2,514,674, July 11.
Schorn, William F., Alexandria, Va. Bed-couch. 2,534,300, Dec. 19.
Schorno, Eduard, Zurich, assignor to Maschinenfabrik Oerlikon, Zurich Oerlikon, Switzerland. Control system for electric valves. 2,498,457, Feb. 21.
Schorr, Marvin G. :*See*—
Lamport, Harold, and Schorr.
Schott, Charles W., Duquesne, Pa. Method and apparatus for testing metal bars. 2,518,943, Aug. 15.
Schott, Charles W., Duquesne, Pa. Granulated slag and producing it. 2,533,633, Dec. 12.
Schott, John E., New York, and E. L. Armstrong, Garden City, N. Y., assignors to Socony-Vacuum Oil Company, Incorporated. Lime base grease. 2,513,680, July 4.
Schott, Lawrence, Detroit, Mich. Headrest for automobile seats. 2,502,801, Apr. 4.
Schott, Louis, Cincinnati, Ohio. Carton protector. 2,510,760, June 6.
Schotté, Oscar E., Amherst, Mass., assignor of fifty-two and one-half per cent of The Trustees of Amherst College. Processing of meat. 2,516,923, Aug. 1.
Schotthoefer, Joseph G., Detroit, Mich. Slot cutting device. 2,505,584, Apr. 25.
Schou, Carl E., Seattle, assignor to Pacific Car and Foundry Company, Renton, Wash. Transmission mechanism. 2,529,423, Nov. 7.
Schouten, Jan K., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Aerial system. 2,533,054, Dec. 5.
Schouwstra, Pieter : *See*—
Padmos, Adriaan A., and Schouwstra.
Schouwstra, Pieter, and P. J. M. Mutsaers, Eindhoven, Netherlands, assignors to General Electric Company, Schenectady, N. Y. Device comprising a gas-and/or vapor-filled discharge tube. 2,504,594, Apr. 18.
Schowalter, Clarence H., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Fuel pump control means. 2,520,856, Aug. 29.
Schrader, Clarence O., Burbank, and H. M. Sears, assignors to Hartley Pen Company, Pasadena, Calif. Method of and apparatus for assembling ball-pointed writing instruments. 2,498,009, Feb. 21.
Schrader, Frank G., Hayward, Calif. Adjusting mechanism for testing apparatus. 2,519,509, Aug. 22.
Schrader, Harold J., Haddonfield, N. J., assignor to Radio Corporation of America. Multiplex transmission of television signals. 2,527,967, Oct. 31.
Schrader, Henry, Chicago, Ill. Torch. 2,518,257, Aug. 8.
Schrager, Julius M. : *See*—
Jordan, Wesley A., Shapiro and Schrager.
Schrager, Sidney H., and R. L. McGuire, San Francisco, Calif.; said McGuire assignor to said Schrager. Adjustable picture hanger. 2,522,901, Sept. 19.
Schrameck, Jack E. : *See*—
Baker, Benjamin P., and Schrameck.
Schrameyer, Cornelis G. : *See*—
Van den Berge, Hendrik, J. and Schrameyer.
Schramm, Alex A., Muncie, Ind. Apparatus for causing variable flow of air in treating rooms. 2,510,524, June 6.
Schramm, Charles W., Nutley, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Pulse-echo testing system. 2,510,299, June 6.
Schramm, Christopher H., and R. E. Smith, assignors to Manning, Maxwell & Moore, Inc., Muskegon, Mich. Suspended type hoist. 2,496,754, Feb. 7.
Schramm, Christopher H., and L. H. Holdeman, assignors to Manning, Maxwell & Moore, Inc., Muskegon, Mich. Drop pit apparatus. 2,520,968, Sept. 5.
Schramm, Frederic B., Garden City, N. Y. Control system. 2,493,365, Jan. 3.
Schramm, John G., Milwaukee, Wis. Safety knob. 2,501,008, Mar. 21.
Schramm, Raymond R., Bloomfield, assignor to National Union Radio Corporation, Orange, N. J. Coincidence detector of the focused rotary electron beam kind. 2,533,401, Dec. 12.
Schramm, Richard M. : *See*—
Barusch, Maurice R., Langlois, and Schramm.
Schreck, Irvin F., Cleveland Heights, Ohio. Adjustable counterweight lift truck. 2,504,885, Apr. 18.
Schreck, Irvin F., Cleveland Heights, Ohio. Lift truck. 2,520,857, Aug. 29.
Schreckengost, Viktor : *See*—
Kraeft, Herman L., and Schreckengost.
Schreiber, Albert J., Grosse Pointe, Mich. Adjustable trestle jack. 2,514,095, July 4.
Schreiber, Charles J., Reseda, Calif. Eraser. 2,499,881, Mar. 7.
Schreiber, Dag S., Lidingo, assignor to AB W. Dan Bergman, Sodertalje, Sweden. Electromagnetic vibrator. 2,533,695, Dec. 12.
Schreiber, Herman, Lansing, Mich. Manufacturing sugar. 2,509,111, May 23.
Schreiber, John H., St. Louis, Mo. Well drilling equipment. 2,502,998, Apr. 4.
Schreiber, John H., St. Louis, Mo. Bearing. 2,534,379, Dec. 19.
Schreiber, Richard S. : *See*—
Barrick, Paul L., Handy, and Schreiber.
Kirk, William, Jr., Schreiber and Whitman.
Schreibman, Misha, Washington, D. C. Wall fixture. 2,508,841, May 23.
Schreier, Konrad F., Lake Forest, and B. Bartolucci, Chicago, Ill. Fractionating column or the like. 2,509,172, May 23.
Schreier, Konrad F., Lake Forest, and B. Bartolucci, Chicago, Ill. Air cleaner. 2,509,173, May 23.
Schreiner, Louis W. : *See*—
Hall, Emery L., and Schreiner.
Schreiner, Louis W., Des Plaines, assignor to Belmont Radio Corporation, Chicago, Ill. Television tuning system. 2,503,073, Apr. 4.
Schrenk, Hans A., Arnhem, Netherlands, assignor to American Enka Corporation, Enka, N. C. Continuous aftertreatment of rayon. 2,513,057, June 27.
Schribert, Frank M., Chicago, Ill. Stitch setter attachment for sewing machines. 2,525,956, Oct. 17.
Schrick, Paul : *See*—
McGovern, Edward M., and Schrick.
Schriefer, Robert G., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Vertical antenna array. 2,509,253, May 30.
Schriefer, Robert G., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Frequency modulation system. 2,510,144, June 6.
Schriefer, Robert G., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Ultra high frequency antenna. 2,531,476, Nov. 28.

Schrimpe, Conrad C., assignor to Hercules Powder Company, Wilmington, Del. Preparing resinous reaction products from a phenol-formaldehyde condensate and a monohydric alcohol ester of rosin. 2,510,837, June 6.

Schroeder, Albert A., assignee: *See*—
Millimaki, William A., and Schroeder.

Schroeder, Albert L.: *See*—
Cotton, Robert H., and Schroeder.
Schwarz, Hugh W., Hellier, and Schroeder.

Schroeder, Alfred C.: *See*—
Fredendall, Gordon L., and Schroeder.
Sziklai, George C., and Schroeder.

Schroeder, Alfred C., Feasterville, Pa., assignor to Radio Corporation of America. Color television apparatus. 2,535,552, Dec. 26.

Schroeder, Alfred C., Feasterville, Pa., and G. C. Sziklai, Princeton, N. J., assignors to Radio Corporation of America. Electronic spectroscope. 2,519,154, Aug. 15.

Schroeder, Alice E., Los Angeles, Calif. Cake mold. 2,529,354, Nov. 7.

Schroeder, Carl A., Los Angeles, Calif. Two-position bench sifter. 2,517,508, Aug. 1.

Schroeder, Carl W.: *See*—
Condo, Fred E., and Schroeder.

Schroeder, Charles S., Philadelphia, Pa., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Lift truck. 2,505,009, Apr. 25.

Schroeder, Clarence A.: *See*—
Perlow, Gilbert J., Shipman, and Schroeder.

Schroeder, Elmer F., Chicago, assignor to G. D. Searle & Co., Skokie, Ill. 2-trihalomethyl-1,3-dioxolane-4-carboxylic acids and derivatives thereof. 2,532,340, Dec. 5.

Schroeder, Ernest R., Hawthorne, N. J., and V. Willoughby, Concord, N. H., assignors to American Car and Foundry Company, New York, N. Y. Articulated car. 2,508,339, May 16.

Schroeder, Ernst: *See*—
Giger, Walter, Schroeder, and Pfenninger.

Schroeder, Ewald E., Berwyn, Ill., assignor to General Electric Company. Limiting amplifier system. 2,497,691, Feb. 14.

Schroeder, George F., Rosedale, assignor to The Sperry Corporation, Long Island City, N. Y. Power control device. 2,507,936, May 16.

Schroeder, George M., assignee: *See*—
Millimaki, William A., and Schroeder.

Schroeder, George W.: *See*—
Struthers, Donald K., and Schroeder.

Schroeder, Henry J., Chicago, Ill. Electrical wire connector with insulation piercing means. 2,534,881, Dec. 19.

Schroeder, Herman E.: *See*—
Fieser, Louis F., and Schroeder.

Schroeder, John A., and M. Graber, Denver, Colo. Automatic slack adjuster for air brake piston travel. 2,512,507, June 20.

Schroeder, John F., Los Angeles, Calif. Tripod head. 2,532,122, Nov. 28.

Schroeder, Orval: *See*—
Brill, Edward F., and Schroeder.

Schroeder, Paul, Clallam Bay, Wash. Log handling mechanism. 2,527,036, Oct. 24.

Schroeder, Russell A., Jr., St. Louis, Mo. Rolling support for writing instruments. 2,497,418, Feb. 14.

Schroeder, Simon E., Oshkosh, Wis. Control mechanism for outboard motors. 2,508,803, May 23.

Schroeder, Simon E., Ripon, Wis., assignor to Speed Queen Corporation. Spindle bearing construction. 2,526,049, Oct. 17.

Schroeder, Walter: *See*—
Dall, Albert H., and Schroeder.

Schroeder, Walter J., Cincinnati, Ohio. Single-row fertilizer applicator. 2,493,599, Jan. 3.

Schroeder, William B., Tulsa, Okla. Adjustable toothbrush. 2,503,134, Apr. 4.

Schroeder, William C., U. S. Army, Hackettstown, N. J. Pilotage computer. 2,495,777, Jan. 31.

Schroeder, William F., Chicago, Ill. Air cylinder. 2,495,869, Jan. 31.

Schroeppel, Paul R., Rockford, Ill., assignor to J. I. Case Company, Racine, Wis. Mowing apparatus. 2,495,986, Jan. 31.

Schroeppel, Paul R., Rockford, Ill., assignor to J. I. Case Company, Racine, Wis. Binder. 2,498,510, Feb. 21.

Schroeppel, Paul R., Rockford, Ill., assignor to J. I. Case Company, Racine, Wis. Machine for harvesting green peas. 2,509,371, May 30.

Schroeppel, Paul R., Rockford, Ill., assignor to J. I. Case Company, Racine, Wis. Mower. 2,532,426, Dec. 5.

Schroetter, Josef, Wauwatosa, Wis. Support for violoncellos. 2,498,459, Feb. 21.

Schroth, Edward L., Cheviot, assignor to The Baldwin Company, Cincinnati, Ohio. Piano fall-board. 2,493,168, Jan. 3.

Schrougham, Benton, Beech Grove, Ind. Swing seat. 2,520,377, Aug. 29.

Schroy, Paul C., Corpus Christi, Tex., J. Grabowski, Stamford, Conn., and M. J. Scott, Springfield, Mass., assignors to American Cyanamid Company, New York, N. Y. Blend of melamine-formaldehyde and aniline-phenol-formaldehyde resins. 2,523,333, Sept. 26.

Schroy, Paul C., Corpus Christi, Tex., J. Grabowski, Stamford, Conn., and M. J. Scott, Springfield, Mass., assignors to American Cyanamid Company, New York, N. Y. Blend of melamine-formaldehyde and aniline-formaldehyde-cresol or -xylenol resins. 2,523,334, Sept. 26.

Schroy, Paul C., Rochester, N. Y., J. Grabowski, Stamford, Conn., and M. J. Scott, Springfield, Mass., assignors to American Cyanamid Company, New York, N. Y. Composition for electrical distributor housing. 2,523,335, Sept. 26.

Schroy, Paul C., Rochester, N. Y., and J. Grabowski, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Composition for electrical distributors and ignition parts. 2,523,336, Sept. 26.

Schrum, Donald J., assignor to The Studebaker Corporation, South Bend, Ind. Automobile heater. 2,505,214, Apr. 25.

Schryber, Emil A., Lynbrook, assignor to Extended Surface Division of David E. Kennedy, Inc., Brooklyn, N. Y. Apparatus for feeding flux and solder. 2,515,097, July 11.

Schubert, Alvin E., assignor to Eastman Kodak Company, Rochester, N. Y. Control for photographic recording apparatus. 2,521,951, Sept. 12.

Schubert, Dale L.: *See*—
Evans, Harold R., and Schubert.

Schubert, Frank J., Midland, Mich., and T. O. Anderson, Joplin, Mo., assignors to The Dow Chemical Company, Midland, Mich. Adhesive for polystyrene. 2,510,908, June 6.

Schubert, William: *See*—
Dunbar, James Y., Schubert, and Hussey.

Schuch, Joseph M., Unionville, Mich. Beet loader. 2,522,304, Sept. 12.

Schuchert, Oakey, Iowa City, Iowa. Builder's hoist. 2,531,346, Nov. 21.

Schuck, Charles A., assignor to Corning Glass Works, Corning, N. Y. Glassworking apparatus. 2,512,811, June 27.

Schuck, Oscar H., Belmont, Mass., assignor to the United States of America as represented by the Secretary of the Navy. Apparatus for determining the direction of underwater targets. 2,524,180, Oct. 3.

Schuckl & Co., Inc., assignee: *See*—
Coley, George S., and Sousa.

Schudel, John G., and R. V. Rice, Hasbrouck Heights, N. J., assignors to Gane's Chemical Works, Inc., New York, N. Y. Tetrahydropyranyl-malonic esters. 2,522,966, Sept. 19.

Schuelein, Julius, New York, N. Y. Smoker's appliance. 2,510,909, June 6.

Schueler Engineering Co., The, assignee: *See*—
Schueler, Fred C.

Schueler, Fred C., Fulton, N. Y., assignor to The Schueler Engineering Co. Producing plastic patterns of irregular outlines. 2,523,670, Sept. 26.

Schuelke, Walter L., Milwaukee, Wis. Mooring device. 2,526,162, Oct. 17.

Schueller, Frank R., Cincinnati, Ohio, assignor to Red Devil Tools, Irvington, N. J. Handle construction for sandpaper holders. 2,493,505, Jan. 3.

Schueren, Hans E., Mountain View, N. J. Window. 2,501,454, Mar. 21.

Schuessler, Carl F., assignor to Schuessler Knitting Mills, Inc., Chicago, Ill. Knitted product and method of forming. 2,506,745, May 9.

Schuessler Knitting Mills, Inc., assignee: *See*—
Schuessler, Carl F.

Schuessler, Leo W., assignor of one-half to H. Hayne, Lawton, Mich. Tank gauge. 2,510,663, June 6.

Schuessler, Levyn R., University City, Mo. Pad of paper sheets. 2,530,634, Nov. 21.

Schuessler, William J., Spavinaw, and L. L. Morgan, Vinita, Okla. Self-closing clamping implement. 2,514,802, July 11.

Schuetz, Robert D.: *See*—
Dillehay, Edward R., and Schuetz.

Schuh, Charles H., St. Petersburg, Fla., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Cushion pad and manufacture. 2,517,724, Aug. 8.

Schuhmann, Richard L., Louisville, Ky., and F. C. Rudolph, New York, N. Y., assignors to American Duplex Company, Louisville, Ky. Grinder. 2,522,643, Sept. 19.

Schuit, George C. A.: *See*—
Houtman, Johannes P. W., and Schuit.

Schule, Earl, Phoenix, Ariz. Safety trailer hitch. 2,519,856, Aug. 22.

Schulein, George, Chicago, Ill., assignor to National Waste Company Incorporated, New York, N. Y. Spring packing. 2,499,333, Feb. 28.

Schuler, Harold A., Woodside, N. Y. Bottle cap. 2,530,999, Nov. 21.

Schuler, Reginald G., Highland Park, assignor to Teletype Corporation, Chicago, Ill. Synchronizing corrector circuit. 2,495,946, Jan. 31.

Schuler, Reginald G., Crystal Lake, assignor to Teletype Corporation, Chicago, Ill. Projection ssytem. 2,525,957, Oct. 17.

Schuler, Steven B., Mukwonago, and A. W. Leighton, Waterford, Wis. Receptacle for damp cloths. 2,521,025, Sept. 5.

Schulerud, Albert L., Nutley, assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Soap treating apparatus. 2,524,999, Oct. 10.
Schulerud, Albert L., Nutley, assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Making floating soap. 2,525,081, Oct. 10.
Schulfer, Rose, Stevens Point, Wis. Powder compact. 2,497,692, Feb. 14.
Schulhoff, Leonard J., Dayton, Ohio. Lubricating device. 2,515,900, July 18.
Schulkins, Frank L., Joaquin, Tex. Holder for grooving tools. 2,522,803, Sept. 19.
Schulman, Earl L., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Resinous composition and heater plate mica insulation produced therewith. 2,495,186, Jan. 17.
Schulman, Earl L., Swissvale, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Producing bonded mica. 2,524,932, Oct. 10.
Schulman, James H., Cambridge, assignor to Sylvania Electric Products Inc., Salem, Mass. Manufacture of luminescent materials. 2,497,140, Feb. 14.
Schulman, James H., Washington, D. C., L. W. Evans, Emporium, Pa., and R. Ginther, Washington, D. C. X-ray sensitive screen. 2,506,749, May 9.
Schulman, James H., Washington, D. C., L. W. Evans, Emporium, Pa., and R. Ginther, Washington, D. C. X-ray sensitive screen. 2,524,839, Oct. 10.
Schulpen, Karel H. N., The Hague, Netherlands. Apparatus for flushing toilets. 2,510,910, June 6.
Schulte, Betty B., East Hampton, N. Y. Device for teaching music. 2,525,729, Oct. 10.
Schulte, Fritz, assignor to Bowes Instrument Co., Inc., Philadelphia, Pa. Electronically responsive compass. 2,518,258, Aug. 8.
Schulte, Hans F., Fenton, Mich. Fencing construction. 2,516,807, July 25.
Schulte, Richard C., Los Angeles, Calif. Combined warmer and sterilizer for bottles and the like. 2,501,193, Mar. 21.
Schulte, Rudolph C., Alexandria, Va. Propulsion system for aircraft. 2,518,498, Aug. 15.
Schulte, William A., assignor to National Broach & Machine Company, Detroit, Mich. Gear finishing machine. 2,511,418, June 13.
Schultes, John and V., Detroit, Mich. Level-square combination. 2,495,645, Jan. 24.
Schultes, John and V., Detroit, Mich. Level. 2,495,646, Jan. 24.
Schultes, John and V., Detroit, Mich. Spirit level. 2,502,235, Mar. 28.
Schultes, Vincent: *See*—
Schultes, John and V.
Schultheis, Harry B., Jr., Pacoima, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind. Radiotelemetering with phase modulation. 2,526,425, Oct. 17.
Schultheiss, Carl E., Libertyville, assignor to S & C Electric Company, Chicago, Ill. Fuse tube terminal. 2,531,949, Nov. 28.
Schultheiss, Robert A., Attleboro, Mass. Light chargeable pad. 2,516,727, July 25.
Schulthess, Ernest, South Orange, N. J. Pickup implement. 2,500,647, Mar. 14.
Schulthess, Ernest, South Orange, N. J. Hose coupling. 2,501,619, Mar. 21.
Schulthess, Robert, Zurich, Switzerland, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Feed ing mechanism for sewing machines. 2,496,817, Feb. 7.
Schultz, Aage V., and T. H. Tomlonson, La Porte, Ind. Power-driven cable winding device. 2,495,425, Jan. 24.
Schultz, Carl, Milford, assignor to United Aircraft Corporation, East Hartford, Conn. Surface control system. 2,494,208, Jan. 10.
Schultz Die Casting Company, assignee: *See*—
Holmes, Burton F., and Heindel.
Schultz, Edward, assignor to The Nagel-Chase Mfg. Co., Chicago, Ill. Caster with grounding link. 2,533,403, Dec. 12.
Schultz, Edward, Jr., assignor to The Nagel-Chase Mfg. Co., Chicago, Ill. Caster. 2,524,236, Oct. 3.
Schultz, Edward H., Buffalo, Minn. Thermostat. 2,514,803, July 11.
Schultz, Floyd V., Dayton, Ohio. Diversity receiving combination. 2,511,014, June 13.
Schultz, Frank J.: *See*—
Kingsbury, Franklin L., and Schultz.
Schultz, Frederic W., Los Angeles, Calif. Synchronous motor. 2,497,141, Feb. 14.
Schultz, Harold B., assignor to Bendix Aviation Corporation, South Bend, Ind. Regulator valve. 2,513,681, July 4.
Schultz, Harold B., assignor to Bendix Aviation Corporation, South Bend, Ind. Master and receiver cylinder construction. 2,531,705, Nov. 28.
Schultz, Harold W., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Heat-resisting cement. 2,507,682, May 16.
Schultz, Harry A.: *See*—
Arnold, George, Schultz, and Prentice.
Arnold, George, Schultz, and Rhoads.
Schultz, John C., Corpus Christi, Tex. Separator for use with high-pressure oil or gas-distillate wells. 2,507,273, May 9.
Schultz, Lloyd G., New York, N. Y. Coated fuel impregnated block. 2,531,828, Nov. 28.
Schultz, Martin A., Deshler, Nebr. Adjustable cap for water fountains. 2,530,911, Nov. 21.
Schultz, Mortimer, A., Baltimore, and C. M. Skinner, Jr., Catonsville, Md., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Bearing. 2,534,929, Dec. 19.
Schutz, Phillip W.: *See*—
McMahon, Everett K., and Schutz.
Schultz, Russel A., assignor to Robbins Engineering Company, Detroit, Mich. Surface finishing fixture. 2,531,921, Nov. 28.
Schultz, Thomas H.: *See*—
Owens, Harry S., and Schultz.
Schultz, Walter E.: *See*—
Hotzler, Otto E., and Schultz.
Schultz, Warner W.: *See*—
Fehr, Edith B., and Schultz.
Schultz, William O.: *See*—
Steinmayer, Alwin G., and Schultz.
Schultz, William O., Marshfield, Wis., assignor to McGraw Electric Company. Multiple step switch. 2,503,888, Apr. 11.
Schultz, William O., South Milwaukee, assignor to Line Material Company, Milwaukee, Wis. Electrical cutout. 2,493,316, Jan. 3.
Schultz, William O., South Milwaukee, assignor to Line Material Company, Milwaukee, Wis. Electrical cutout. 2,493,317, Jan. 3.
Schultz, William O., South Milwaukee, Wis., assignor to McGraw Electric Company. Cutout construction. 2,513,822, July 4.
Schultz, William O., South Milwaukee, Wis., assignor to McGraw Electric Company. Fuse construction. 2,519,078, Aug. 15.
Schultze, John E., Baltimore, Md., assignor to U. S. Industrial Chemicals, Inc., New York, N. Y. Apparatus for manufacturing a continuous strip of solid alcohol. 2,534,629, Dec. 19.
Schulz, Edward, Aurora, Ind. Overflow pipe and valve for flush tanks. 2,528,556, Nov. 7.
Schulz, Edward L., Lakewood, Ohio, and E. A. Bailey, Marietta, assignors to Carrier Corporation, Syracuse, N. Y. Load-responsive refrigeration control. 2,523,451, Sept. 26.
Schulz, Eugene, Sr., and T. A. Miskowski, Merrill, Wis.; said Miskowski assignor to said Schulz, Sr. Adjustable fur pelt drier and stretcher. 2,534,071, Dec. 12.
Schulz, Richard E., assignor to Wickes Bros., Saginaw, Mich. Power locking drive chuck. 2,509,888, May 30.
Schulz, Richard E., assignor to Wickes Bros., Saginaw, Mich. Differential locking driving chuck. 2,511,741, June 13.
Schulz, Walter J., Alameda, Calif. Needle puller attachment for sewing palm. 2,527,580, Oct. 31.
Schulze, Arthur R., Johnstown, Pa., assignor to Carnegie-Illinois Steel Corporation. Flare block for railway crossings and the like. 2,500,710, Mar. 14.
Schulze, Arthur R., Johnstown, Pa., assignor to Carnegie-Illinois Steel Corporation. Automatic adjustable rail brace. 2,525,185, Oct. 10.
Schulze, Arthur R., Johnstown, Pa., assignor to Carnegie-Illinois Steel Corporaton. Rail fastening device. 2,533,055, Dec. 5.
Schulze, Arthur R., Youngstown, Ohio, assignor to Carnegie-Illinois Steel Corporation. Resilient cushion utilizing side-loaded helical spring. 2,525,730, Oct. 10.
Schulze, Arthur R., Youngstown, Ohio, assignor to Carnegie-Illinois Steel Corporation. Rail fastening device. 2,525,731, Oct. 10.
Schulze, Herman W., Elmwood Park, Ill., assignor to Hotpoint Inc. Electric oven. 2,498,583, Feb. 21.
Schulze, Herman W., Elmwood Park, assignor to Hotpoint Inc., Chicago, Ill. Control for electric ranges. 2,515,427, July 18.
Schulze, Walter A., Bartlesville, Okla., assignor to Phillips Petroleum Company. Reaction of hydrogen sulfide with olefins. 2,502,596, Apr. 4.
Schulze, Walter A., Bartlesville, Okla., assignor to Phillips Petroleum Company. Production of alkyl benzenes. 2,534,072, Dec. 12.
Schulze, Walter A., and W. W. Crouch, Bartlesville, Okla., assignors to Phillips Petroleum Company. Copolymerizing butadiene and styrene. 2,493,268, Jan. 3.
Schulze, Walter A., and C. E. Stoops, Bartlesville, Okla., assignors to Phillips Petroleum Company. Phenol alkylation process. 2,514,419, July 11.
Schulze, Walter A., and J. E. Mahan, Bartlesville, Okla., assignors to Phillips Petroleum Company. Isomerizing para alkyl phenols to ortho alkyl phenols. 2,516,152, July 25
Schulze, Walter A., Bartlesville, Okla., and J. P. Lyon, Jr., Phillips, Tex., assignors to Phillips Petroleum Company. Production of alkyl disulfide. 2,517,934, Aug. 8.
Schulze, Walter A., Bartlesville, Okla., and J. E. Troyan, Phillips, Tex., assignors to Phillips Petroleum Company. Emulsion polymerization in the presence of a mercaptan modifier. 2,523,596, Sept. 26.
Schulze, Walter A., and J. C. Hillyer, Bartlesville, Okla., assignors to Phillips Petroleum Company. Polymerization of unsaturated materials with an alkali metal catalyst. 2,527,768, Oct. 31.

Schulze, Walter A., and W. W. Crouch, Bartlesville, Okla., assignors to Phillips Petroleum Company. Production of dialkyl polysulfides. 2,529,355, Nov. 7.

Schumacher, Earle E.: *See*—
Bouton, George M., Olsen, and Schumacher.

Schumacher, Edwin A., assignor of one half to T. R. Breed, Wichita, Kans. Wrench having cam lever for swinging and locking a pivoted outer jaw. 2,531,746, Nov. 28.

Schumacher, Frank A., Erie, Pa., assignor to General Electric Company. Heat exchanger for secondary refrigerating systems. 2,503,922, Apr. 11.

Schumacher, George W., assignee: *See*—
Isakson, Stig.

Schumacher, George W.: *See*—
Warrens, Hewett, and Schumacher.

Schumacher, Henry E., assignor of one-third to J. C. Thompson and one-third to A. G. Bush, Davenport, Iowa. Stylus. 2,496,023, Jan. 31.

Schumacher, Joseph C., assignor to Western Electrochemical Company, Los Angeles, Calif. Making sodium chlorate. 2,511,516, June 13.

Schumacher, Joseph C., assignor to Western Electrochemical Company, Los Angeles, Calif. Making perchlorates. 2,512,973, June 27.

Schumacher, Joseph C., assignor to Western Electrochemical Company, Los Angeles, Calif. Electrolytic cell. 2,515,614, July 18.

Schumacher, Madeleine, Seattle, Wash. Kitchen tool. 2,505,917, May 2.

Schumacher, Terrence J., Grayslake, Ill. Vibratory rotary device. 2,512,288, June 20.

Schumann, Alfred F.: *See*—
Turpin, Alexander J., and Schumann.

Schumann, Alfred F., Lower Merion, Pa., assignor to Hauck Manufacturing Company, Brooklyn, N. Y. Pressure-responsive burner nozzle. 2,519,200, Aug. 15.

Schumann, Helmut W., Racine, Wis. Motor tool. 2,532,823, Dec. 5.

Schumann, Lawrence R., Boston, Mass. Staple-set paintbrush. 2,522,305, Sept. 12.

Schumm, Louis W.: *See*—
Thornton, Kirby F., and Schumm.

Schundler, F. E., & Co., assignee: *See*—
Denning, Paul S.
Napier, Henry.

Schunk, Joseph, Union, assignor to The National Lock Washer Company, Newark, N. J. Weather strip for bus or car window construction. 2,500,297, Mar. 14.

Schupbach, Rene, Providence, R. I. Key holder. 2,527,457, Oct. 24.

Schüpbach, Rudolf, Baden, assignor to "Patelhold" Patentverwertungs-& Elektro-Holding A.-G., Glarus, Switzerland. Tunable high-frequency tank circuit. 2,500,875, Mar. 14.

Schupner, Willard J., Evanston, assignor to Hanna Engineering Works, Chicago, Ill., Shock absorber. 2,525,317, Oct. 10.

Schurenberg, Otto, New York, N. Y. Automatic watch cleaning machine. 2,510,911, June 6.

Schurenberg, Otto, New York, N. Y. Automatic watch part cleaning machine. 2,510,912, June 6.

Schurink, Jacobus J.: *See*—
Van Loon, Carel J., and Schurink.

Schurman, Clyde, Woodland, Wash. Dragsaw. 2,499,168, Feb. 28.

Schurr, Otto E., assignor, by mesne assignments, to Lima-Hamilton Corporation, Hamilton, Ohio. Hydraulic servomotor mechanism for machine tools. 2,527,458, Oct. 24.

Schury, John, Detroit, Mich. Planer and height gauge. 2,518,080, Aug. 8.

Schussel, Samuel, Jamaica, N. Y. Trouser cuff shaper. 2,529,708, Nov. 14.

Schuster, Leonard R., San Francisco, and O. B. Schoenky, Los Angeles, Calif. Diaphragm side curtain. 2,503,773, Apr. 11.

Schuster, Sam, assignee: *See*—
Ledel, Carl.

Schuster, Vernon M., Alexandria, Minn. Automatic brake adjuster. 2,527,156, Oct. 24.

Schutt, Bernhard F., Brooklyn, N. Y. Cervical-uterine applicator. 2,516,261, July 25.

Schutt, Hermann C., Framingham Center, assignor to Stone & Webster Engineering Corporation, Boston, Mass. Thermal processing apparatus. 2,523,971, Sept. 26.

Schutt, Walter G., assignor to Stearns Manufacturing Company, Adrian, Mich. Hoist or off-bearer. 2,535,961, Dec. 26.

Schutte, August H.: *See*—
Reed, Carl S., and Schutte.

Schutte, August H., Hastings on Hudson, assignor to The Lummus Company, New York, N. Y. Simultaneous production of coke and gaseous unsaturated hydrocarbons and apparatus therefor. 2,526,696, Oct. 24.

Schutte, August H., Hastings on Hudson, N. Y., and W. F. O'Connor, Bayonne, N. J., said O'Connor assignor to The Lummus Company, New York, N. Y. Centrifugal separation. 2,534,210, Dec. 12.

Schutte, Charles F., Buffalo, and H. D. Schutte, Snyder, N. Y. Hammer mill provided with means for detachably mounting the sizing screen. 2,532,262, Nov. 28.

Schutte, Herman D.: *See*—
Schutte, Charles F., and H. D.

Schutz-O'Neill Co., assignee: *See*—
Parten, Carl D.

Schutze, Henry G.: *See*—
Heinrich, Raymond L., and Schutze.
Wash, David C., Jr., and Schutze.

Schutze, Henry G., Goose Creek, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Preparing a Friedel-Crafts catalyst. 2,515,138, July 11.

Schuurman, Johannes A., The Hague, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Furnace for and method of heating flowing media. 2,500,499, Mar. 14.

Schuyler, John B., Marquette, Mich. Clothes supporting rack. 2,526,285, Oct. 17.

Schuylkill Chemical Company, assignee: *See*—
Mecca, Sebastian B.

Schwab, Edward J., Lakewood, Ohio. Concave toolholder. 2,524,401, Oct. 3.

Schwab, Howard J., New York, N. Y. Insulation removing tool. 2,511,015, June 13.

Schwalbe, William E.: *See*—
Rosenow, Monroe H., and Schwalbe.

Schwalm, Walter A., Oak Park, Ill., assignor to Zenith Radio Corporation. Damper for hearing aids. 2,529,228, Nov. 7.

Schwalm, Walter A., Oak Park, Ill., assignor to Zenith Radio Corporation. Intelligence transmission system. 2,533,146, Dec. 5.

Schwalm, Walter A., Oak Park, Ill., assignor to Zenith Radio Corporation. Hearing aid microphone. 2,533,516, Dec. 12.

Schwan, Clarence F., Warrensville Heights, assignor to The Ohio Crankshaft Company, Cleveland, Ohio. Cooling power unit. 2,505,795, May 2.

Schwaneke, Fred C., assignor to Dormeyer Corporation, Chicago, Ill. Switch. 2,520,441, Aug. 29.

Schwanengel, Earnest L., Dayton, Ohio. Roller toy. 2,496,603, Feb. 7.

Schwantes, Otto R., Milwaukee, Wis. Walking chair for invalids. 2,530,544, Nov. 21.

Schwantner, Helen, assignee: *See*—
Schwantner, Joseph C.

Schwantner, Joseph C., assignor of one-half to H. Schwantner, Chicago, Ill. Hydraulic bumper jack. 2,535,759, Dec. 26.

Schwanz, Emil W.: *See*—
Swenson, Erich S., and Schwanz.

Schwartz, Aaron: *See*—
Dreyfus, Camille, and Schwartz.

Schwartz, Arthur J., New York, N. Y. Separable cuff link. 2,512,075, June 20.

Schwartz, Charles J., assignor of fifty per cent to V. Schwartz, Bethlehem, Pa. Sleigh brake. 2,512,812, June 27.

Schwartz, Charles P., assignor to Silver Booster Mfg. Co., Los Angeles, Calif. Coupling for tension bolts. 2,506,619, May 9.

Schwartz, Daniel E., Narrowsburg, and R. E. Kemelhor, Bronx, N. Y. Bomb shackle release. 2,535,095, Dec. 26.

Schwartz, Ervin J., Nappanee, Ind. Toy horse swing. 2,525,377, Oct. 10.

Schwartz, Francis A., Bradford, Pa. Thimble grip swivel bar for guitars. 2,493,698, Jan. 3.

Schwartz, Frank M., New York, N. Y. Stitching machine. 2,501,239, Mar. 21.

Schwartz, Frank M., New York, N. Y. Stitching machine. 2,501,240, Mar. 21.

Schwartz, Irving, assignee: *See*—
Hochstein, Harold B.

Schwartz, Leo, New York, N. Y. Fabric guide for sewing machines. 2,535,234, Dec. 26.

Schwartz, Martin W., and M. J. Marks, Chicago, Ill. Electric fixture for tubular fluorescent lamps. 2,534,182, Dec. 12.

Schwartz, Morris, assignor to The Kalart Company, Inc., Stamford, Conn. Photoflash lamp socket with test lamp. 2,496,680, Feb. 7.

Schwartz, Morris, and W. Castedello, assignors to The Kalart Company, Inc., Stamford, Conn. Camera bellows having electrically conducting portions. 2,516,-347, July 25.

Schwartz, Ralph E., Pasadena, assignor, by mesne assignments, to E. L. Green, Los Angeles, Calif. Combined shock and vibration mount. 2,520,442, Aug. 29.

Schwartz, Stanley G., Grand Rapids, assignor, by mesne assignments, to Victor Tool & Machine Corporation, Benton Harbor, Mich. Awning. 2,497,419, Feb. 14.

Schwartz, Vilma, assignee: *See*—
Schwartz, Charles J.

Schwartzbard, Morris, assignor to K & K Leather Goods Co., Inc., New Brunswick, N. J. Reversible handbag having twin handbag portions. 2,493,506, Jan. 3.

Schwartzberg, Alter L., Shreveport, La. Powder container. 2,511,379, June 13.

Schwartzberg, Henry, Brookline, Mass. Sound control system. 2,495,426, Jan. 24.

Schwartzberg, Louis, Chicago, Ill. Frozen egg method and container. 2,496,755, Feb. 7.

Schwartzman, Daniel B., Glen Garden, and W. Jindella, North Bergen, assignors to Protex Company, Jersey City, N. J. Shoe bag. 2,532,517, Dec. 5.

Schwartzman, Nathan L., assignor to Protex Products Company, Jersey City, N. J. Garment bag. 2,534,380, Dec. 19.
Schwartzwalder, Karl, Holly, and R. W. Smith, Flint, assignors to General Motors Corporation, Detroit, Mich. Spark plug with auxiliary gap. 2,505,150, Apr. 25.
Schwarz, Bertram A., Kokomo, Ind., assignor to General Motors Corporation, Detroit, Mich. Radio station selector. 2,521,752, Sept. 12.
Schwarz, Bertram A., Kokomo, Ind., and L. J. Fichter, Rockford, Ill., assignors to General Motors Corporation, Detroit, Mich. Automatic tuner. Re. 23,305, Dec. 12.
Schwarz, Bertram A., Kokomo, Ind., and L. J. Fichter, Rockford, Ill., assignors to General Motors Corporation, Detroit, Mich. Tuning means. 2,494,007, Jan. 10.
Schwarz, Bertram A., H. M. Stelzl and M. G. Wright, Kokomo, Ind., assignors to General Motors Corporation, Detroit, Mich. Radio tuning device. 2,494,008, Jan. 10.
Schwarz, Charles F., Baltimore, Md. Testing slide fastener. 2,493,782, Jan. 10.
Schwarz Engineering Company, Inc., The, assignee: *See*— Martin, William McK.
Schwarz, Gerald L., assignor to Air Controls, Inc., Cleveland, Ohio. Fabricating blower wheels. 2,496,179, Jan. 31.
Schwarz, Hugh W., Natick, E. G. Hellier, Medfield, and A. L. Schroeder, Brookline, assignors to National Research Corporation, Cambridge, Mass. Preparing dried coffee extract. 2,504,735, Apr. 18.
Schwarz, Joseph A., Chicago, Ill., assignor to Birtman Electric Company. Electric motor. 2,525,836, Oct. 17.
Schwarz-Kast. Ernst L., Chicago, Ill., assignor to Franklin Appliance Company. Food mixer. 2,496,919, Feb. 7.
Schwarz, Marcel G.: *See*— Sédille, Marcel H. L., and Schwarz.
Schwarz, Walter J., New Orleans, La., assignor to The Patent and Licensing Corporation, New York, N. Y. Bituminous emulsions. 2,521,542, Sept. 5.
Schwarzberger, Harriett, New York, N. Y. Baby diaper. 2,515,737, July 18.
Schwarzenbach, Earl E.: *See*— Hadley, Oscar V., and Schwarzenbach.
Schwarzer, Carl G.: *See*— Hearne, George W., and Schwarzer.
Schwarzkopf, Emil, Los Angeles, Calif. Joint for artificial body members. 2,509,317, May 30.
Schwarzkopf, Otto, Elmhurst, N. Y., and J. Fried, New Brunswick, N. J., assignors, by mesne assignments, to William R. Warner & Co., Inc., New York, N. Y. Condensation products of beta-methyl glutaconic anhydride. 2,515,901, July 18.
Schwarzkopf, Vergil: *See*— Lathrop, Harry D., and Schwarzkopf.
Schwarzkopf, Vergil, and W. H. Paulson, assignors to The Lathrop-Paulson Company, Chicago, Ill. Washing of cans and the like. 2,526,286, Oct. 17.
Schwayder, Robert, assignor to Etablissements Edgar Brandt, Paris, France. Film drive. 2,528,184, Oct. 31.
Schweda, Albert M.: *See*— Le Vesconte, Harold J., and Schweda.
Le Vesconte, Harold J., Schweda and Smith.
Schweickart William M.: *See*— Julyan, Fred G., and Schweickart.
Schweickart, William M., Bay Village, Ohio, assignor to Iron Fireman Manufacturing Company, Portland, Oreg. Over fire air jet for stokers. 2,512,571, June 20.
Schweickart, William M., Mentor, Ohio. Variable diameter pulley. 2,495,078, Jan. 17.
Schweickart, William M., Bay Village, and F. G. Julyan, Euclid, Ohio, assignors, by mesne assignments, to Iron Fireman Manufacturing Company, Portland, Oreg. Ash disposal screw. 2,533,329, Dec. 12.
Schweickart, William M., Mentor, and F. G. Julyan, Euclid, Ohio, assignors, by mesne assignments, to Iron Fireman Manufacturing Company, Portland, Oreg. Stoker system, including fuel and air feed controls. 2,533,330, Dec. 12.
Schweikert, Edward W., New York, N. Y. Cigarette package holder. 2,508,299, May 16.
Schweiso, Clifford C., and J. N. Polivka, Minneapolis, Minn., assignors to General Mills, Inc. Safety latch for pressure cookers. 2,526,050, Oct. 17.
Schweisthal, Frederick G., Skokie, assignor to Stewart-Warner Corporation, Chicago, Ill. Measuring device for lubricating systems. 2,516,427, July 25.
Schweitz, Oscar W., Oregon City, Oreg. Utility reel. 2,505,151, Apr. 25.
Schweitzer, Arnold, assignor to Fabrique Suisse de Crayons Caran d'Ache S. A., Geneva, Switzerland. Mechanical pencil. 2,514,610, July 11.
Schweitzer, Carl E: *See*— Gresham, William F., and Schweitzer.
Schweitzer, Edwin J.: *See*— Coursen, John W., and Schweitzer.
Schweitzer, Edwin J., Milford, and C. Jordan, New Haven, assignors to United Aircraft Corporation, East Hartford, Conn. Tail wheel actuated arresting hook. 2,505,652, Apr. 25.
Schweitzer, Frank J., Brea, Calif. Choking collar blowout preventer and stripper. 2,529,744, Nov. 14.
Schweizer, Bernard M., assignor of one-half to Eisele & Company, Nashville, Tenn. Comb. 2,515,967, July 18.
Schweizer, Max, Oneonta, N. Y. Rotating cutting reel power mower. 2,507,423, May 9.
Schweizerische Industrie-Gesellschaft, assignee: *See*— Amsler, Rudolf.
Schweizerische Lokomotiv und Maschinenfabrik, assignee: *See*— Kistler, Walter.
Sonderegger, Konrad.
Waldvogel, Jakob.
Waldvogel, Jakob, and Borgeaud.
Widmer, Leo.
Wiederkehr, Hans, and Feiss.
Schweller, Edmund F., assignor to General Motors Corporation, Dayton, Ohio. Name plate mounting means. 2,513,589, July 4.
Schweller, Edmund F., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,517,725, Aug. 8.
Schwencke, Edmund H., New York, N. Y. Plastic compositions. 2,515,382, July 18.
Schwendler, William T., Bethpage, and O. Erlandsen, Jr., Garden City, assignors to Grumman Aircraft Engineering Corporation, Bethpage, N. Y. Airplane wing structure. 2,496,024, Jan. 31.
Schwendner, Anthony F., Ridley Park, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Governor-controlled servomotor. 2,507,353, May 9.
Schwendner, Anthony F., Ridley Park, M. Gottlieb, Philadelphia, and F. A. Meyer, Sharon Hill, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Turbine apparatus. 2,504,736, Apr. 18.
Schwenk, Emil M., Chicago, Ill. Pedal extension accessory for bicycles. 2,509,457, May 30.
Schwenk, Erwin: *See*— Papa, Domenick, and Schwenk.
Sperber, Nathan, Papa, and Schwenk.
Schwenk, Erwin, Montclair, N. J., and D. Papa, Brooklyn, N. Y., assignors to Schering Corporation, Bloomfield, N. J. Alpha-beta-substituted aliphatic acids and their salts and esters and their manufacture. 2,516,153, July 25
Schwenk, Erwin, Montclair, N. J., and D. Papa, Brooklyn, N. Y., assignors to Schering Corporation, Bloomfield, N. J. Cycloalkenyl halogenated hydroxycinnamic acids. 2,529,518, Nov. 14.
Schwennicke, Franz, Brussels, Belgium. Interchangeable frame structure for suitcases. 2,531,302, Nov. 21.
Schwerin, Paul, White Plains, assignor to Schwerin Research Corp., New York, N. Y. Audience-reaction analyzing system. 2,529,519, Nov. 14.
Schwerin Research Corp., assignee: *See*— Schwerin, Paul.
Schwering, Paul B., Glasgow, Mo. Window bead fastener. 2,511,546, June 13.
Schwietert, Gustav, McGregor, Iowa. Drying apparatus. 2,512,903, June 27.
Schwindler, William R., Needham, Mass. Supplying water to internal-combustion engines. 2,495,485, Jan. 24.
Schwindt, Benjamin W., Freeport, N. Y. Retractable shelf support for counters and the like. 2,508,804, May 23.
Schwinger, Charles I., Berwyn, Md. File folder. 2,519,405, Aug. 22.
Schwinn, Elmer R., Chicago, Ill. Smoker's pipe. 2,517,137, Aug. 1.
Schwinn, Elmer R., Chicago, Ill. Smoking device. 2,534,799, Dec. 19.
Schwinn, Frank W., Chicago, Ill. Saddle mounting. 2,532,574, Dec. 5.
Schwitalla, August: *See*— Lahr, David L., and Schwitalla.
Schwitzer-Cummins Company, assignee: *See*— Beier, Kurt A.
Hardy, James A.
Schwitzer, Louis, and Roland.
Walmsley, David C.
Schwitzer, Louis, and J. Roland, assignors to Schwitzer-Cummins Company, Indianapolis, Ind. Power-driven vehicle with loading ramp. 2,494,725, Jan. 17.
Schwoegler, Edward J., and C. A. Hutter, assignors to Nox-Rust Chemical Corporation, Chicago, Ill. Corrosion inhibiting compositions. 2,521,311, Sept. 5.
Schwoegler, Edward J., Hammond, Ind., assignor to Wyandotte Chemicals Corporation, Wyandotte, Mich. Manufacture of alkyl aryl hydrocarbons. 2,533,517, Dec. 12.
Schwork, Stanley, Bangor, Pa. Ripper tool. 2,498,458, Feb. 21.
Sciacca, Joseph, New York, N. Y. Control mechanism for weightless window sashes. 2,501,586, Mar. 21.
Sciaky, David, assignor to Welding Research, Inc., Chicago, Ill. Sliding contact system for conducting electric currents. 2,529,634, Nov. 14.
Sciara, Peter, Brooklyn, N. Y. Polarized fuse pin plug. 2,496,413, Feb. 7.
Sciarra, Domenic, assignee: *See*— Michelini, Leo A.
Sciascia, Matthew: *See*— Farber, Eduard, and Sciascia.
Scientific Development Corp., assignee: *See*— Sorkin, Morris.
Scientific and Industrial Research, Honorary Advisory Council for, assignee: *See*— Beveridge, Harold N.

Scieri, Frank F., Hempstead, N. Y. Power can opener. 2,518,190, Aug. 8.
Scifres, Thomas W., McGehee, Ark. Gauge for setting the height of cutter bits on metal turning lathes. 2,523,597, Sept. 26.
Scinta, Anthony C.: *See*—
Oishei, John R., Horton, and Scinta.
Scintilla A-G., assignee: *See*—
Oschwald, Max.
Sciples, Frank A.: *See*—
McClellan, William P.
Scism, Arthur G., Mount Airy, N. C. Portable machine tool. 2,504,595, Apr. 18.
Scism, John N., Baltimore, Md. War memorial frame. 2,506,688, May 9.
Sciurba, Nick, Chicago, Ill. Retaining ring for percolator tops. 2,523,526, Sept. 26.
Scivally, Herschell R., Shreveport, La. Well logging recorder. 2,535,096, Dec. 26.
Scofield, Donald W., Detroit, Mich., assignor, by mesne assignments, to Philco Corporation. Heating assembly for broilers. 2,511,790, June 13.
Scofield, Frank B.: *See*—
Kalen, Edwin T., and Scofield.
Scofield, Theodore J., Jackson, Mich. Windshield wiper actuating means. 2,520,344, Aug. 29.
Scoles, Graham J., London, England, assignor to General Electric Company. Sensitive flip-flop circuit. 2,530,033, Nov. 14.
Sconce, James S., A. N. Johnson, and J. T. Rucker, assignors to Hooker Electrochemical Company, Niagara Falls, N. Y. Fluids for hydraulic and dielectric uses. 2,502,392, Mar. 28.
Scophony Corporation of America, assignee: *See*—
Gale, Alfred J.
Wikkenhauser, Gustav.
Scophony Limited, assignee: *See*—
Jones, Patrick L. F.
Townshend, John H.
Scotland Mills, Inc., assignee: *See*—
Schaller, Harold E.
Scott, Alan T., Berkhamsted, England. Bread toaster. 2,512,388, June 20.
Scott, Albert S. B., Cupar, Saskatchewan, Canada. Fluid filter. 2,503,566, Apr. 11.
Scott, Alfred A. H. N., Malvern, Victoria, Australia. Releasable coupling means for connecting relatively movable parts or elements disposed about a common axis. 2,516,428, July 25.
Scott, Andrew, Chicago, and J. B. Amstutz, Oak Park, assignors to Crane Co., Chicago, Ill. Molding machine. 2,496,604, Feb. 7.
Scott, Arthur L., assignor to The Denison Engineering Company, Columbus, Ohio. Press mechanism. 2,499,530, Mar. 7.
Scott-Atwater Manufacturing Company, assignee: *See*—
Scott, Clifford E., and Gerber.
Scott, Benjamin B., G. F. Greene, and A. D. Coggeshall, Schenectady, N. Y., assignors to General Electric Company. Precision electrical resistance device and making it. 2,534,994, Dec. 19.
Scott, Charles F., Mina, Nev. Combination illuminated vanity case and utility light. 2,529,972, Nov. 14.
Scott, Charles H., Westport, assignor to The Dorr Company, Stamford, Conn. Bearing with automatic lubricator. 2,507,579, May 16.
Scott, Clifford E., and G. W. Gerber, assignors to Scott-Atwater Manufacturing Company, Minneapolis, Minn. Outboard motor support and package. 2,515,428, July 18.
Scott, David C., Providence, R. I., assignor to Henry L. Scott Company. Means for proportioning pull to specimen size. 2,493,836, Jan. 10.
Scott, David C., Providence, R. I., assignor to Scott Testers, Inc. Machine for testing elongation. 2,520,786, Aug. 29.
Scott, Donald L.: *See*—
Churchill, Donald L., and Scott.
Lyon, Alan M., and Scott.
Scott, Eben L., Mission, Kans. Gauge. 2,504,886, Apr. 18.
Scott, Eben L., Mission, Kans. Necktie and holder therefor. 2,504,887, Apr. 18.
Scott, Edward M., Pasadena, Calif. Curtain stretcher. 2,502,597, Apr. 4.
Scott, Edwin D., Plymouth, and T. W. Stephenson, Detroit, assignors to Ford Motor Company, Dearborn, Mich. Window construction. 2,497,276, Feb. 14.
Scott-Elliot, Helen, Woodland, Calif. Brassière. 2,520,225, Aug. 29.
Scott, Elmer S., Dallas, Tex. Weighing apparatus. 2,531,303, Nov. 21.
Scott, Everette C.: *See*—
McDonald, George W., and Scott.
Scott, Everette C., Ashton, Ill., assignor, by mesne assignments, to Swift & Company. Producing a lacteal beverage. 2,507,482, May 9.
Scott, Everette C., and G. W. McDonald, assignors to Swift & Company, Chicago, Ill. Manufacture of lactalbumin. 2,497,420, Feb. 14.
Scott & Fetzer Company, The, assignee: *See*—
MacFarland, Charles H.
Scott, Floyd L.: *See*—
Woods, Henry B., and Scott.
Scott, Floyd L., assignor to Hughes Tool Company, Houston, Tex. Pipe stabbing device. 2,530,788, Nov. 21.
Scott, Freer E., Hammondsport, N. Y. Fertilizer sower attachment for tractors. 2,532,518, Dec. 5.
Scott, George W.: *See*—
Abernathy, Henry H., and Scott.
Scott, George W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerization of 1,3-dienes in the presence of beta-unsaturated aliphatic iodides. 2,518,573, Aug. 15.
Scott, George W., Jr., assignor to Armstrong Cork Company, Lancaster, Pa. Dielectric heating method and apparatus. 2,526,697, Oct. 24.
Scott, George W., Jr., assignor to Armstrong Cork Company, Lancaster, Pa. Method and apparatus for dielectric heating. 2,526,698, Oct. 24.
Scott, Grace L., assignee: *See*—
Scott, Marie B.
Scott, Harold E. B., administrator: *See*—
Vickery, Frederick W.
Scott, Harold W., Houston, Tex. Apparatus for submarine drilling. 2,525,955, Oct. 17.
Scott, Henry L., Company, assignee: *See*—
Scott, David C.
Scott, Howard, R. B. Gordon, and F. C. Hull, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Wrought alloy. 2,519,406, Aug. 22.
Scott, Hoyt S., Cleveland, Ohio, assignor to General Electric Company. Erythemal meter. 2,531,000, Nov. 21.
Scott, Jerome B., Abilene, Tex. Pulley converter. 2,525,563, Oct. 10.
Scott, John W., Jr.: *See*—
Cope, John Q., and Scott.
Scott, Joseph E., Pratt, Kans. Instrument for determining size and location of anterior teeth. 2,535,163, Dec. 26.
Scott, Julian M., Rock Island, Ill. Golf club. 2,517,245, Aug. 1.
Scott, Kenneth S., United States Navy. Diluter-demand pressure breathing oxygen valve. 2,516,151, July 25.
Scott, Larkin B., Sea Cliff, assignor to The Sperry Corporation, Great Neck, N. Y. Radiant energy tracking apparatus. 2,513,367, July 4.
Scott, Leland O., Goldsboro, N. C. Tobacco seed planter. 2,518,822, Aug. 15.
Scott, Margaret S., assignee: *See*—
Scavullo, Angelo C.
Scott, Marie B., assignor to G. L. Scott, St. Louis, Mo. Foldable bed. 2,534,800, Dec. 19.
Scott, Marion E., Vancouver, Wash. Ampoule opener. 2,515,020, July 11.
Scott, Max O.: *See*—
Soditch, Lewis D., and Scott.
Scott, Milton J.: *See*—
Schroy, Paul C., Grabowski, and Scott.
Scott, Milton J., Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Modified melamine resins. 2,508,875, May 23.
Scott, Milton J., and F. J. Hahn, Springfield, Mass, assignors to Monsanto Chemical Company, St. Louis, Mo. Alkyd-melamine resin coating compositions. 2,508,876, May 23.
Scott, Milton J., and S. H. Rider, Springfield, Mass., assignors to Monsanto Chemical Company, St. Louis, Mo. Waterproofing textile fabrics. 2,509,174, May 23.
Scott, Milton J., Springfield, and E. F. Jackson, Ludlow, Mass., assignors to Monsanto Chemical Company, St. Louis, Mo. Phenolic resins. 2,531,863, Nov. 28.
Scott, Murray H., Benton Harbor, Mich. Drapery fixture. 2,526,088. Oct. 17.
Scott, Murray H., Benton Harbor, Mich. Tray for infants' training chairs. 2,532,953, Dec. 5.
Scott, Norman D.: *See*—
Coffman, Donald D., Salisbury, and Scott.
Scott, Norman D., Sanborn, and A. O. Rogers, Lewiston, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of lysine. 2,498,300, Feb. 21.
Scott, Norman L., Andover, Mass., assignor, by mesne assignments, to Pipe Linings, Inc., New York, N. Y. Spring guide means for pipe lining machines. 2,527,083, Oct. 24.
Scott, Robert F., Syracuse, N. Y. Spring winding device. 2,514,096, July 4.
Scott, Robert J., Blue Springs, assignor to J. C. Hockery, Kansas City, Mo., as trustee for H. J. and F. L. Talge. Steam iron. 2,506,941, May 9.
Scott, Russell J., assignor to Shakespeare Products Company, Kalamazoo, Mich. Radio antenna. 2,514,167, July 4.
Scott, Samuel L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Hydrogenation of carbon monoxide-monoolefin polymers. 2,495,292, Jan. 24.
Scott, Samuel L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymeric polythiols. 2,495,293, Jan. 24.
Scott Testers, Inc., assignee: *See*—
Scott, David C.
Scott, Thomas P.: *See*—
Frese, Carl W., and Scott.

Scott, Thurman T., Thomasville, Ga. Hay crushing machine. 2,521,999, Sept. 12.
Scott, Walter A., Poughkeepsie, assignor to The De Laval Separator Company, New York, N. Y. Mount for rotating parts. 2,534,738, Dec. 19.
Scott, Walter J., Portland, Oreg. Manufacturing prototypes. 2,508,691, May 23.
Scott, William E.: *See*—
Goldberg, Moses W., and Scott.
Scott, William E., Essex Fells, and M. W. Goldberg, Upper Montclair, assignors to Hoffman-La Roche Inc., Nutley, N. J. Preparation of vinyl-alkoxy-carbocyclic compounds. 2,511,815, June 13.
Scott, William E., Los Angeles, Calif. Fruit picking device. 2,508,805, May 23.
Scott, William H., Gettysburg, Pa. Warning apparatus for motor vehicle operators. 2,533,518, Dec. 12.
Scott, William J., Rugby, England, assignor to General Electric Company. Forming grid-like structures. 2,499,977, Mar. 7.
Scott, William J., Rugby, England, assignor to General Electric Company. Electric discharge device seal. 2,518,944, Aug. 15.
Scott & Williams, Incorporated, assignee: *See*—
Hill, Roscoe.
Lawson, Robert H.
Lawson, Robert H., and Chiodine.
Lawson, Robert H., and Dodds.
Oberholtzer, Albert L.
Page, Albert E.
Page, Albert E. and F. R.
Page, Frank R.
Scott, Wilmot H., Clayton, assignor to Vitro Products Company, St. Louis, Mo. Stool seat. 2,511,447, June 13.
Scott, Wilmot H., Clayton, assignor to Vitro Products Company, St. Louis, Mo. Stool construction. 2,519,709, Aug. 22.
Scovell, Eric H., Glandore, South Australia, Australia. Air operated grease gun. 2,505,839, May 2.
Scovill Manufacturing Company, assignee: *See*—
Bahney, Luther W., and Horswell.
Butler, Gray L.
Chapman, Romaine C.
France, Walter D., and Presley.
Gleason, William J.
Huelster, Otto J.
Janes, Edmund D.
Janes, Edmund D., and Carpinella.
Koeppel, Charles H.
Maxim, Oren B., and Janes.
Seaver, Donald A.
Seyfried, Arthur W.
Spearrin, William R.
Spender, Donald L.
Sperry, Roger S.
Scoville, Robert W., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Pressure control apparatus for engine cooling systems. 2,528,791, Nov. 7.
Scoville, Rosalee, Los Angeles, Calif. Stove. 2,494,061, Jan. 10.
Scrantom, De Hart G., Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical resistor and making the same. 2,503,418, Apr. 11.
Scranton, Charles J., La Porte, Ind., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Spring tine mounting. 2,514,560, July 11.
Scranton, Charles J., La Porte, Ind., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Side-delivery rake. 2,514,561, July 11.
Scraper, Earl F., Wichita, Kans. All-weather protecting visor for motor vehicles. 2,495,662, Jan. 24.
Scriabine, Igor: *See*—
Hannion, Marcel, and Scriabine.
Scriabine, Igor, Lyon, assignor to Societe des Usines Chimiques Rhone-Poulenc, Paris, France. Preparation of ephedrine and salts thereof. 2,509,309, May 30.
Scriabine, Igor, J. F. Billan, A. F. S. Bellone, and M. Gaillard, Lyon, assignors to Societe des Usines Chimiques Rhone-Poulenc, Paris, France. Catalysts. 2,502,348, Mar. 28.
Scribner, Harry C., assignee: *See*—
Pastoret, Walter J.
Scripto, Inc., assignee: *See*—
Sams, Herbert W.
Severy, Victor H.
Smith, Blanchard D.
Scriven, Alonson E., Eggertsville, and B. Van Every, assignors to Colonial Radio Corporation, Buffalo, N. Y. Tone arm restoring mechanism for different sized records. 2,504,596, Apr. 18.
Scrivener, Arthur, Birmingham, England. Centerless grinding machine. 2,512,974, June 27.
Scroxton, Wright G., Bradford, Pa. Bluing metals. 2,527,232, Oct. 24.
Scruggs and Vaughan Manufacturing Company, Inc., assignee: *See*—
Renfro, Ralph T., Sr.
Scrutchfield, Paul H., Hannibal, Mo., assignor to American Cyanamid Company, New York, N. Y. Adhesive composition. 2,529,851, Nov. 14.
Scuderi, John, Brooklyn, N. Y. Rotary multiple rack phonograph record cabinet. 2,524,275, Oct. 3.
Scull, Wm. S., Company, assignee: *See*—
Fisher, George A.
Lewis, Harold P.
Razek, Joseph.
Scully, Frank P., Belmont, assignor to Scully Signal Company, East Cambridge, Mass. Tank with breather opening in fill pipe. 2,493,699, Jan. 3.
Scully, Frank P., Belmont, assignor to Scully Signal Company, East Cambridge, Mass. Liquid level signaling unit construction. 2,531,950, Nov. 28.
Scully, Frank P., assignor to Scully Signal Company, Cambridge, Mass. Gas flow indicator. 2,496,134, Jan. 31.
Scully, John T., New York, N. Y. Necktie. 2,508,472, May 23.
Scully-Jones & Company, assignee: *See*—
Better, Bernard and Lehde, Jr.
Scully Signal Company, assignee: *See*—
Scully, Frank P.
Scurich, Stephen, Jr., Watsonville, Calif. Cushioned packing box. 2,514,295, July 4.
Scutfish, Tony J., Pacific Grove, Calif. Pedal testing device. 2,524,298, Oct. 3.
Seaberg, John E., Dormont, assignor to Guibert Steel Company, Pittsburgh, Pa. Hand bar. 2,495,987, Jan. 31.
Seabert, John D., Indianapolis, Ind., assignor to Radio Corporation of America. Immersible electrodynamic loudspeaker. 2,517,138, Aug. 1.
Seabold, Edward J.: *See*—
Cooper, William B., and Seabold.
Seafield, Andrew, Liverpool, England. Toolholder. 2,516,596, July 25.
Seagaard, John, New York, N. Y. Clip attachment for Venetian blinds. 2,513,895, July 4.
Seagaard, John, and T. Triolo, New York, N. Y.; said Seagaard assignor to said Triolo. Clip for Venetian blind slats. 2,503,074, Apr. 4.
Seager, John C., Long Island City, and P. J. Jensen, Hartsdale, assignors to Niemand Bros. Inc., Long Island City, N. Y. Container. 2,525,958, Oct. 17.
Seago, Alfred C., assignee: *See*—
Henderson, Lee R.
Seagram, Joseph E., & Sons, Inc., assignee: *See*—
Grant, James E.
Stark, William H., and Manna.
Seaholm, John P., Moline, Ill., assignor, by mesne assignments, to Minneapolis-Moline Company, Hopkins, Minn. Vehicle hitch jack. 2,499,882, Mar. 7.
Seaholm, Nels H., Sierra Madre, assignor to C. A. Hillgren, Huntington Park, Calif. Doorknob. 2,517,803, Aug. 8.
Seal-Craft, Incorporated, assignee: *See*—
Salfisberg, Leroy L.
Sealed Power Corporation, assignee: *See*—
Olson, Holly M.
Sealy, Incorporated, assignee: *See*—
Bowersox, Joseph W.
Seaman, Albert W., Hutchinson, Kans. Broaching attachment. 2,517,358, Aug. 1.
Seaman, Harold E., Cleveland Heights, and L. C. Hart, Shaker Heights, assignors to Hi-Voltage Equipment Company, Cleveland, Ohio. Air-break switch. 2,514,263, July 4.
Seaman, Harry J., Milwaukee, Wis. Rotary soil-working implement. 2,515,268, July 18.
Seaman, Harry J., Milwaukee, and H. J. Ascherin, Lake, Wis.; said Ascherin assignor to said Seaman. Material spreader. 2,508,195, May 16.
Seaman, Ralph H., Auburndale, Mass. Grooved game board for spherical play pieces. 2,528,792, Nov. 7.
Seaman, Richard H., Los Angeles, Calif., assignor to M. C. M., Inc. Diving toy. 2,509,112, May 23.
Seaman, Stewart E., White Plains, N. Y. Continuous xanthation. 2,530,403, Nov. 21.
Seamans, James W., San Leandro, Calif. Electromagnetic lifting device. 2,499,685, Mar. 7.
Seamark, Lewis M. C., Lyme Regis, assignor to Pidco Limited, London, England. Pipe coupling and the like. 2,531,922, Nov. 28.
Seamless Rubber Company, The, assignee: *See*—
Goodson, George W.
Madsen, Paul S.
Manville, Charles T., and Madsen.
Seaquist, Albert L., Portland, Oreg. Planetary gear speed wrench. 2,520,443, Aug. 29.
Seaquist, Arthur R., Chicago, Ill. Underarm garment shield and clip therefor. 2,520,694, Aug. 29.
Sear, Arthur W., Stratford, Conn., assignor to General Electric Company. Magnetic recording apparatus. 2,509,017, May 23.
Searcy, Peter B., Austin, Tex. Peanut harvesting machine. 2,522,644, Sept. 19.
Searer, Harold J., Akron, Ohio. Nursing nipple. 2,513,896, July 4.
Searer, Jay C., Kenmore, A. F. Shepard, Tonawanda, and F. W. Less, Kenmore, assignors to Durez Plastics and Chemicals, Inc., North Tonawanda, N. Y. Treatment of earth formations. 2,527,581, Oct. 31.
Seares, Richard U., Pasadena, Calif. Animated sign. 2,530,404, Nov. 21.
Searfoss, Wilbur D., Waterbury, Conn. Wrench container. 2,510,260, June 6.
Searle, Arthur M., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Selenium rectifier. 2,498,714, Feb. 28.

Searle, G. D., & Co., assignee: *See*—
Burtner, Robert R.
Burtner, Robert R., and Brown.
Cusic, John W.
Cusic, John W., and Searle.
Huffman, Max N.
Jacobsen, Robert P., Pincus, and Levy.
Papesch, Viktor.
Picha, George M., Jacobsen, and Pincus.
Pincus, Gregory, Jacobsen, and Levy.
Schroeder, Elmer F.

Searle, Melville C., San Francisco, Calif. Rotary fluid motor. 2,501,009, Mar. 21.

Searle, Norman E.: *See*—
Goddin, Avery H., and Searle.

Searle, Norman E., and A. L. Flenner, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Granulating DDT. 2,518,191, Aug. 8.

Searle, Norman E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Oxybicylo (4.1.0.) hepta-2,4-diene-7-carboxylic esters. 2,532,575, Dec. 5.

Searles, Raymond K., assignor to The Fafnir Bearing Company, New Britain, Conn. Bearing. 2,530,665, Nov. 21.

Searles, Thomas M., Memphis, Tenn. Cotton picker spindle. 2,508,842, May 23.

Sears, Daniel S., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Delayed action coagulant. 2,529,885, Nov. 14.

Sears, Edward O., assignor to J. S. White, Oakland, Calif. Refrigerator. 2,498,379, Feb. 21.

Sears, Fred M., assignor to R. L. and C. E. Platt, H. E. and F. B. Williams, and F. M. Sears, doing business as Practo Products Company, Carthage, Mo. Window screen. 2,519,934, Aug. 22.

Sears, George R., R. D. Rae, and J. A. Van den Akker, assignors to The Institute of Paper Chemistry, Appleton, Wis. Impact and acceleration testing. 2,498,844, Feb. 28.

Sears, Hartley M.: *See*—
Schrader, Clarence O., and Sears.

Sears, John R., Norfolk, Va. Percentage computation aid apparatus. 2,506,390, May 2.

Sears, Murl W.: *See*—
Lubbert, Carl B., and Sears.

Sears, Raymond W.: *See*—
Barney, Harold L., Peterson, Potter, and Sears.

Sears, Richard E., Shaker Heights, assignor to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Quick detachable starter mount. 2,506,239, May 2.

Sears, Roebuck and Co., assignee: *See*—
Cross, Robert C., and Krauss.
Dady, Arthur O.
Gillingham, Samuel W.
Ives, Clifford E.
Milne, John S.
Strother, Fred P.

Sears, Sterling G., Garden City, assignor to Roanwell Corporation, Brooklyn, N. Y. Folding telephone handset. 2,508,654, May 23.

Seary, Eugene G., Irvington, assignor to Pavelle Color Incorporated, New York, N. Y. Regeneration of photographic silver bleach solution. 2,515,930, July 18.

Seary, Eugene G., Hastings on Hudson, N. Y. Transparency mount and making same. 2,495,142, Jan. 17.

Seastrom, Erik G., assignor to Treadwell Engineering Company, Easton, Pa. Sliding vane pump. 2,498,715, Feb. 28.

Seastrom, Erik G., assignor to Treadwell Engineering Company, Easton, Pa. Sliding vane pump. 2,498,929, Feb. 28.

Seaton, Charles L.: *See*—
Leininger, James E., and Seaton.

Seaver, Donald A., West Cheshire, assignor to Scovill Manufacturing Company, Waterbury, Conn. Lipstick container with safety feature. 2,510,422, June 6.

Seaver, Donald A., West Cheshire, assignor to Scovill Manufacturing Company, Waterbury, Conn. Safety feature for swivel lipstick containers. 2,529,266, Nov. 7.

Seaver, Jay J., Evanston, Ill. Checker structure. 2,512,555, June 20.

Seavey, Gordon C.: *See*—
Horsley, Caperton B., and Seavey.

Seavey, Gordon C., Arlington, and C. B. Horsley, Westwood, assignors to Ultrasonic Corporation, Cambridge, Mass. Sound generator. 2,534,833, Dec. 19.

Seavey, Gordon C., Arlington, and C. B. Horsley, Westwood, assignors to Ultrasonic Corporation, Cambridge, Mass. Agglomerating and recovering aerosol particles. 2,535,700, Dec. 26.

Seaward, Carl R., Scotia, N. Y., assignor to General Electric Company. Sweep circuit. 2,493,600, Jan. 3.

Seawell, Harry T., Baltimore, Md. Hydraulic brake bleeder system. 2,524,544, Oct. 3.

Sebald, Joseph F.: *See*—
Robinson, Merrill P., and Sebald.

Sebald, Joseph F., Bloomfield, assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Variable pressure vent control. 2,499,169, Feb. 28.

Sebald, Joseph F., Bloomfield, assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Water treating method and apparatus. 2,500,774, Mar. 14.

Sebald, Joseph F., Bloomfield, assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Water treating apparatus. 2,502,349, Mar. 28.

Sebald, Joseph F., Bloomfield, assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Temperature control apparatus for vent condensers. 2,528,613, Nov. 7.

Sebastian, David, R. H. Hampton, and B. J. Heggen, Kings County, N. Y. Hydraulic brake level indicator. 2,534,381, Dec. 19.

Sebell, Harry, Newton Highlands, assignor to Bell Products Corporation, Boston, Mass. Can. 2,521,098, Sept. 5.

Sebem S. A., assignee: *See*—
Vanni, Pierre G.

Sebesta, Harvey E., Wilson, Kans. Hay hoist boom. 2,528,670, Nov. 7.

Sebestyen, Andrew: *See*—
Rabkin, William, Lissiansky, and Sebestyen.

Sebok, Joseph B., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Vibratory hopper with feed wheel. 2,508,543, May 23.

Seborg, Earnest Y., assignor to Barnes Drill Co., Rockford, Ill. Control system for hydraulically driven machine tool elements. 2,496,756, Feb. 7.

Seborg, Earnest Y., assignor to Barnes Drill Co., Rockford, Ill. Hydraulic system. 2,515,531, July 18.

Sebouh, Dickran, New York, N. Y. Method and apparatus for producing electrical waves of predetermined formation. 2,532,038, Nov. 28.

Sebouh, Dickran, New York, N. Y. Damper action for tuning fork pianos. 2,532,039, Nov. 28.

Sebring, Paul B., Cambridge, Mass., and H. Brooks, Bennington, Vt., assignors to the United States of America as represented by the Secretary of the Navy. Discriminator circuit. 2,495,023, Jan. 17.

Sechowski, Jerome J., assignee: *See*—
Pirchio, Pasquale M.

Seckel, Peter H., assignor to R. A. Fisch, New York, N. Y. Longitudinally separable extruded thermoplastic strip and producing same. 2,531,234, Nov. 21.

Secker, Ben, London, England, assignor to International Standard Electric Corporation, New York, N. Y. Electric attenuating device. 2,524,857, Oct. 10.

Secofsky, Abraham, New York, and M. A. Meisel, Brooklyn, N. Y. Combined floodlight holder and camera support. 2,530,912, Nov. 21.

Secrest, Hoyle D., assignor to J. F. Nusser, Washington, D. C. Electrical connection. 2,499,785, Mar. 7.

Secrist, Horace A., Dedham, assignor to The Kendall Company, Boston, Mass. Cotton felt and making the same. 2,528,793, Nov. 7.

Secunde, John A., Cleveland, Ohio. Refrigerator display rack. 2,503,419, Apr. 11.

Security Locknut Corporation, assignee: *See*—
Lipscomb, John F.

Security Patent Anchor Company Limited, The, assignee: *See*—
Farren, William S.

Seddon, Abel L., Youngstown, Ohio. Spacing form for soil pipes. 2,508,044, May 16.

Seddon, Eric, London, England. Improving the durability of glass containers. 2,528,391, Oct. 31.

Sederquist, Carl E., Melrose, Mass., assignor to General Electric Company. Governing mechanism for extracting type turbines. 2,520,568, Aug. 29.

Sedgewick, Richard D., Durham, N. H. Holder for bobbins. 2,493,208, Jan. 3.

Sedgley, Gertrude E.: *See*—
Brown, Arthur S., and Sedgley.

Sedgwick, Robert K., Oak Park, assignor to American Steel Foundries, Chicago, Ill. Press operating valve with rapid advance and full pressure positions. 2,516,924, Aug. 1.

Sedgwick, Robert K., Oak Park, assignor to American Steel Foundries, Chicago, Ill. Pressure switch. 2,520,660, Aug. 29.

Sedgwick, Robert K., Oak Park, assignor to American Steel Foundries, Chicago, Ill. Hydraulic press with auxiliary pump in cooling by-pass. 2,532,735, Dec. 5.

Sédille, Marcel H. L., Paris, France; vested in the Attorney General of the United States. System and device for controlling thermal gas turbine motive units. 2,505,796 ,May 2.

Sédille, Marcel H. L., and M. G. Schwarz, assignors to Societe Rateau (Societe Anonyme), Paris, France. Exhaust head of steam turbines. 2,511,130, June 13.

Sédille, Marcel H. L., and R. J. Imbert, assignors to Societe Rateau (Société Anonyme), and R. Anxionnaz, Paris, France. Arrangement for the starting of two shaft gas turbine propelling means chiefly on board of aircraft. 2,529,973, Nov. 14.

Sedita, George R., assignee: *See*—
Crook, James L.

Sedlon, Vincent J., assignee: *See*—
Wilberschied, Charles F.

Sedwick, Matthew M., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Square can vacuum closing machine. 2,535,870, Dec. 26.

Sedwitz, Ira M., New York, N. Y. Electric momentary switch. 2,496,135, Jan. 31.

See, Fabriks Aktiebolag, assignee: *See*—
Gille, Nils J.
Ljungström, Birger, and Larsson.
See, Francis W.: *See*—
Fetherolf, James M., Forrest, and See.
Sear, Frank T., assignee: *See*—
Holliday, Edward W.
Seeburg, J. P., Corporation, assignee: *See*—
Andrews, Edward F.
Hart, Carl R.
Johnson, Carl G.
Merrill, Henry M.
Seeburg, Noel M.
Toogood, Loren S.
Voigtritter, Max H.
Winkler, Marion R.
Seeburg, Noel M., assignor to J. P. Seeburg Corporation, Chicago, Ill. Nonrewind machine for magnetic record medium. 2,506,942, May 9.
Seed Pellets, Inc., assignee: *See*—
Vogelsang, Phelps.
Seeder, Wilhelm A., Zaandam, Netherlands. Preparing C-vitaminized baking products. 2,497,035, Feb. 7.
Seederer-Kohlbusch, Inc., assignee: *See*—
Arguelles, Frederick S.
Seeger, Bernard I., Seattle, Wash., assignor to Boeing Airplane Company. Power control for transmissions. 2,523,726, Sept. 26.
Seeger, Edward B., Philadelphia, assignor to Samuel M. Langston Co., Camden, N. J. Mill roll stand. 2,535,815, Dec. 26.
Seeger, Edwin W.: *See*—
Douglas, John F. H., Pell, and Seeger.
Jochem, Theodore B., Seeger, and Severson.
Kuhn, Clarence W., and Seeger.
Newman, John M., and Seeger.
Seeger, Edwin W., and N. L. Schmitz, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Control for alternating current motors. 2,512,000, June 20.
Seeger Refrigerator Company, assignee: *See*—
Ellsworth, Walter A.
Iwashita, George K.
Richard, William E.
Sundberg, Carl W.
Seeger, William F.: *See*—
Skoog, Robert W., and Seeger.
Seegers, Walter H.: *See*—
Doub, Leonard, and Seegers.
Seeland, Howard F.: *See*—
Fiero, George W., Seeland, and Batt.
Seeley, Harold T.: *See*—
Bany, Herman, and Seeley.
Seeley, Harold T., Landsdowne, Pa., assignor to General Electric Company. Oscillatory relay device. 2,523,784, Sept. 26.
Seeley, Lauren E., New Haven, Conn., assignor to The H. B. Smith Company, Incorporated, Westfield, Mass. Sectionally removable and replaceable firebox for furnaces. 2,531,864, Nov. 28.
Seeley, Stuart W., Roslyn Heights, N. Y., assignor to Radio Corporation of America. Angle modulation detector. 2,496,818, Feb. 7.
Seeley, Stuart W., Roslyn Heights, N. Y., assignor to Radio Corporation of America. Phase shifter. 2,496,920, Feb. 7.
Seeley, Stuart W., Roslyn Heights, N. Y., assignor to Radio Corporation of America. Angle modulation detector. 2,497,840, Feb. 14.
Seeley, Stuart W., Roslyn Heights, N. Y., assignor to Radio Corporation of America. Angle modulation detector. 2,497,841, Feb. 14.
Seeley, Stuart W., Roslyn Heights, N. Y., assignor to Radio Corporation of America. Frequency divider. 2,500,581, Mar. 14.
Seeley, Stuart W., Roslyn Heights, N. Y., assignor to Radio Corporation of America. Angle modulation detector. 2,511,448, June 13.
Seeley, Stuart W., Roslyn Heights, N. Y., assignor to Radio Corporation of America. Radio navigation system. 2,526,287, Oct. 17.
Seeloff, Melvin M., assignor to The Taylor-Winfield Corporation, Warren, Ohio. Operating head for welding machines and the like. 2,500,876, Mar. 14.
Seeloff, Melvin M. A., assignor to The Taylor-Winfield Corporation, Warren, Ohio. Fluid valve. 2,524,142, Oct. 3.
Seely, Llewellyn M., Cheltenham Township, Montgomery County, assignor to Super-Grip Anchor Bolt Co., Inc., Philadelphia, Pa. Toggle bolt. 2,532,040, Nov. 28.
Seemuller, Elmer F., Philadelphia, Pa., assignor to Perforations, Inc., Palmyra, N. J. Apparatus for forming designs in nylon stockings. 2,524,604, Oct. 3.
Seese, Lee J., University Heights, Ohio. Vise. 2,534,995, Dec. 19.
Seewald, Louis, Amarillo, Tex. Cleaning implement. 2,531,304, Nov. 21.
Sefcovic, Felix S., Pueblo, Colo. Bean harvester. 2,521,417, Sept. 5.
Sefing, Frederick G., Cranford, N. J., assignor to The International Nickel Company, Inc., New York, N. Y. Hardenable cast iron. 2,530,545, Nov. 21.
Segal, Arthur R., assignee: *See*—
Rogne, Carl T.
Segal, David L., San Diego, Calif. Lipometer. 2,506,973, May 9.
Segal, Hyman R., New York, N. Y. Fountain pen. 2,500,386, Mar. 14.
Segal, Hyman R., New York, N. Y. Flashlight. 2,502,105, Mar. 28.
Segal, Samuel, New York, N. Y., assignor to Wilson-Jones Co., Chicago, Ill. Perforating device. 2,494,836, Jan. 17.
Segal, Samuel, New York, N. Y., assignor to Wilson-Jones Co., Chicago, Ill. Simplified loose-leaf binder. 2,498,584, Feb. 21.
Segal, Samuel, New York, N. Y., assignor to Wilson-Jones Company, Chicago, Ill. Paper fastener. 2,498,901, Feb. 28.
Segal, Samuel, New York, N. Y., assignor to Wilson-Jones Co., Chicago, Ill. Loose-leaf binder. 2,498,902, Feb. 28.
Segal, Samuel, New York, N. Y., assignor to Wilson-Jones Co., Chicago, Ill. End lock binder. 2,514,727, July 11.
Segal, Samuel, New York, N. Y., assignor to Wilson-Jones Co., Chicago, Ill. Posting tray. 2,520,738, Aug. 29.
Segee, James E., Lawrence, and W. J. Gosselin, Methuen, Mass., assignors to U. S. Bobbin & Shuttle Co., Providence, R. I. Take-up tension for shuttles. 2,528,915, Nov. 7.
Seger, Elbert E., Milford, assignor to General Motors Corporation, Detroit, Mich. Windshield wiper. 2,516,808, July 25.
Seger, Francis M.: *See*—
Doherty, Harry G., Sachanen, and Seger.
Garwood, William E., Seger, and Sachanen.
Seger, Francis M., Pitman, and A. N. Sachanen, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Synthetic lubricants. 2,500,160, Mar. 14.
Seger, Francis M., Pitman, and A. N. Sachanen, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Conversion of 1-olefins in the presence of lead tetraacetate. 2,500,161, Mar. 14.
Seger, Francis M., Pitman, and A. N. Sachanen, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Preparing viscous oils by the thermal condensation of short chain monoolefins with long chain monoolefins. 2,500,162, Mar. 14.
Seger, Francis M., Pitman, and A. N. Sachanen, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Synthetic lubricants. 2,500,166, Mar. 14.
Segerman, Herbert H., Brooklyn, N. Y. Infant's garment. 2,521,609, Sept. 5.
Segesman, Louis E., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,498,098, Feb. 21.
Segessemann, Ernest, Woodridge, N. J., and N. M. Molnar, New York, N. Y. Sulfonated 1,1,1-trichloro-2,2-bis (p-chlorophenyl) ethane. 2,515,803, July 18.
Segesser, John R.: *See*—
Lauer, George G., Passino, and Segesser.
Seggel, August J.: *See*—
Michell, Anthony G. M., and Seggel.
Seghers, Paul D., New York, N. Y. Brake mechanism. 2,535,097, Dec. 26.
Segl, Walter E., assignor to Hercules Powder Company, Wilmington, Del. Picker. 2,516,262, July 25.
Seglund, Carl R., Munising, Mich. Variable stroke pump. 2,500,579, Mar. 14.
Segool, Howard: *See*—
Gilbert, Everett E., and Segool.
Segool, Howard D.: *See*—
De Benneville, Peter L., and Segool.
Segrave, Harold J. E.: *See*—
Meeker, Robert E., and Segrave.
Segre, Emilio G.: *See*—
Wiegnad, Clyde E., and Segre.
Segre, Emilio G., Santa Fe, N. Mex., and O. Chamberlain, Philadelphia, Pa., assignors to the United States of America as represented by the United States Atomic Energy Commission. Ionization chamber. 2,521,656, Sept. 5.
Segre, Maxim, New York, N. Y. Slider for slide fasteners. 2,503,301, Apr. 11.
Segsworth, Robert S., assignor to The General Engineering Company (Canada) Limited, Toronto, Ontario, Canada. Control for variable-speed transmissions. 2,500,580, Mar. 14.
Segui, Anthony, Jr., Berwyn, Pa. Car key container. 2,509,318, May 30.
Seguin, Edmund L., and Mary Klein, Philadelphia, Pa. Means to check operations of steam traps. 2,497,375, Feb. 14.
Segura Abella, Francisco, Barcelona, Spain. Line spacing mechanism for portable typewriters. 2,509,534, May 30.
Sehlinger, Peter J.: *See*—
Boylan, Charles H., Jr., and Sehlinger.
Seibel, Charles M., Wichita, Kans. Control mechanism for helicopters. 2,535,164, Dec. 26.
Seiberling Latex Products Co., assignee: *See*—
Blesh, Raymond T.
Sidnell, Albert E.
Seide, Max, assignor to Chamberlin Company of America, Detroit, Mich. Detention screen suspension. 2,498,716, Feb. 28.
Seidek, David, assignee: *See*—
Rones, Mae M.
Seidel, David, assignee: *See*—
Rones, Mae.

Seidel, Martin P., Pittsburgh, J. Swiss, McKeesport, and C. E. Arntzen, Turtle Creek, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Siloxane polymers. 2,508,196, May 16.

Seiden, Herman L.: *See*—
Rhodes, Cecil C., and Seiden.

Seiden, Herman L., assignor of one-third to T. C. Flanagan, and one-third to R. T. Moloney, Chicago, Ill. Piezoelectric crystal holder. 2,498,585, Feb. 21.

Seidenbaum, Jeannette, Brooklyn, N. Y. Bib for protecting garments. 2,501,010, Mar. 21.

Seidler, Carl, Rochester, N. Y., assignor, by mesne assignments, to Hang-All Corporation. Attachment for suspending clothing in automobile bodies. 2,528,794, Nov. 7.

Seidler, Frederic A.: *See*—
Kovacs, Frank G., and Seidler.

Seidler, Leon S., Chicago, Ill. Depositor and applicator. 2,501,972, Mar. 28.

Seidman, Abe., Brooklyn, N. Y. Belt buckle. 2,522,064, Sept. 12.

Seidman, Irving, assignee: *See*—
Schaab, Rudolph S., and Tiso.

Seidman Richard L., Norwalk, Conn. Machine for cutting strips from continuous material, such as webbing, ribbon, or the like. 2,519,201, Aug. 15.

Seifert, Charles E., Swampscott, Mass. Holding and pressing device for collapsible tubes. 2,523,066, Sept. 19.

Seifert, Donald W., Winona, Minn. Radiator defreezer. 2,503,514, Apr. 11.

Seifert, Harry H., Troy, N. Y. Railway track bond. 2,513,590, July 4.

Seifert, William C., Narberth, assignor of one-half to D. W. Kent, Whitemarsh, Pa. Device, method, and apparatus for the determination of exposure times by alternate opaque and light-transmitting bands. 2,495,778, Jan. 31.

Seifert, William C., Narberth, assignor of one-half to D. W. Kent, Whitemarsh, Pa. Determination of exposure times. 2,495,779, Jan. 31.

Seifried, Anton G., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Applying wound covering to elastic thread. 2,509,372, May 30.

Seifriz, William, Glen Riddle, and E. J. McCue, Chester Springs, assignors to E. S. Mead, Philadelphia, Pa. Water treating method. 2,511,299, June 13.

Seifter, Joseph: *See*—
Bruce, William F., and Seifter.
Bruce, William F., Mueller, and Seifter, and Szabo.

Seiger, Harry W., Santa Monica, Calif. Nursing bottle holder. 2,499,930, Mar. 7.

Seigh, Joseph W., Jersey City, N. J., assignor to Continental Can Company, Inc., New York, N. Y. Push on closure cap. 2,529,424, Nov. 7.

Seigh, Joseph W., Jersey City, N. J., assignor to Continental Can Company, Inc., New York, N. Y. Dispensing container for powdered materials. 2,535,871, Dec. 26.

Seigle, Leon W.: *See*—
Flett, Lawrence H., and Seigle.

Seil, Harvey A., Rutherford, N. J., and H. Cole, New York, N. Y., said Seil assignor to said Cole. Inks and vehicles therefor. 2,499,004, Feb. 28.

Seiler, George, Chicago, Ill. Cooling beverage pipes. 2,506,843, May 9.

Seiler, Louis G., Sawyer, Wis. Can punch and drain. 2,520,068, Aug. 22.

Seip, Herbert F., Waltham, Mass. Tire removing hammer. 2,525,429, Oct. 10.

Seiple, Frank R., St. Louis, Mo. Fishing rod holder. 2,507,650, May 16.

Seismograph Service Corporation, assignee: *See*—
Baltosser, Robert W.
Hawkins, James E.
Hawkins, James E., and Finn.
Hawkins, James E., and Koeppel.

Seiter, Otto, Wallingford, assignor to The Nestle-LeMur Company, Meriden, Conn. Electric preheater for permanent waving. 2,509,747, May 30.

Seitz, August W.: *See*—
Greiner, Alfred, and Seitz.

Seitz, John F., Los Angeles, and G. Avil, Van Nuys, Calif. Producing and exhibiting stereoscopic motion pictures in color. 2,517,246, Aug. 1.

Sejersted, Johannes, Roa, assignor to Elektrokemisk A/S, Oslo, Norway. Method of handling continuous electrodes. 2,526,876, Oct. 24.

Sekkel, Juan W. L., Buenos Aires, Argentina. Measuring trap chamber with adjustable float controlled cutoff. 2,506,240, May 2.

Selanger, Sven I.: *See*—
Pettersson, Henry L., and Selanger.

Selas Corporation of America, assignee: *See*—
Blaha, Emil.
Fleischer, Kurt W.
Furczyk, Alfons A.
Henwood, James B.
Hess, Frederic O.
Hess, Frederic O., Maud, and Stoertz.
Hess, Frederic O., Maud, and Troupe.
Kniveton, James.
Mann, Carl P.

Selby, James, Middlesex, assignor to Victoria Machine Tool Company Limited, London, England. Change-speed gear. 2,533,056, Dec. 5.

Selby, Royce L.: *See*—
Gowing, Daniel M., Langdon, and Selby.

Selby Shoe Company, The, assignee: *See*—
Carson, Gordon B.
Sadler, Robert C.

Seley, Sidney C., Erie, Pa. Combined scraping and cleaning device for windshields or the like. 2,517,247, Aug. 1.

Self, Edward S., Bakersfield, assignor to Oil Well Chemical & Materials Company, Los Angeles, Calif. Treatment of drilling fluids. 2,498,301, Feb. 21.

Self, Robert L., Leaksville, N. C., assignor to Marshall Field & Company Inc., Chicago, Ill. Tufting machine. 2,528,392, Oct. 31.

Selgin, Paul J., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Line focusing cathode-ray tube. 2,509,254, May 30.

Selhost, Edward E., Glendale, Calif. Static electricity grounding device. 2,526,908, Oct. 24.

Seligman, Milton B., Philadelphia, Pa. Perfume dispenser. 2,502,598, Apr. 4.

Seligman, Richard, and H. F. Goodman, Wandsworth, London, assignors to The Aluminum Plant & Vessel Company, Limited, London, England. Filter for plate-type heat exchange apparatus. 2,525,000, Oct. 10.

Seligmann, Arthur, Newark, N. J. Check valve. 2,501,744, Mar. 28.

Selinger, Herbert, Sydney, New South Wales, Australia, assignor to Hartford National Bank & Trust Company, Hartford, Conn., as trustee. Telephone transmission circuits for coupling input and output devices to a telephone line. 2,499,423, Mar. 7.

Selkirk, George A., Rochester, N. Y. Protecting garment. 2,516,598, July 25.

Selkirk Metal Products, Limited, assignee: *See*—
Svienson, Thorkell.

Sell Corporation, assignee: *See*—
Jones, Charles E.

Sell, Francis M., assignor to The National Marking Machine Company, Cincinnati, Ohio. Removing identification tags from organic fabrics. 2,513,431, July 4.

Sellarole, Joseph J., Los Angeles, Calif. Brassière. 2,523,395, Sept. 26.

Sellars, George L.: *See*—
Barber, Hiram L., and Sellars.

Sellers, Albert E. G., Radnor, Pa. Ratchet-actuated open-end wrench. 2,521,419, Sept. 5.

Sellers, George P., Phoenix, Ariz. Pants hanger. 2,533,634, Dec. 12.

Sellers, Ira G., San Diego, Calif. Electric plug. 2,507,462, May 9.

Sellers, Ira, Walla Walla, Wash. Ceiling board jack. 2,499,005, Feb. 28.

Sellers, William D., Glen Ellyn, Ill., assignor to The Hoover Company, North Canton, Ohio. Electrical agitator disconnector for suction cleaners. 2,502,674, Apr. 4.

Sellers, William D., Glen Ellyn, Ill., assignor to The Hoover Company, North Canton, Ohio. Handle actuated delayed motor disconnect for suction cleaners. 2,534,479, Dec. 19.

Sells, Lyle M., and M. A. Mandelko, Fort Dodge, Iowa. Cornstalk macerater. 2,500,914, Mar. 14.

Sellstrom Manufacturing Company, assignee: *See*—
Anderson, Marshall N.

Selman, John L., Muskogee, Okla. Nut hulling machine. 2,522,843, Sept. 19.

Selmer, H. & A., Inc., assignee: *See*—
Cline, Delbert G.

Selmin, Allen C., Memphis, Tenn. Apparatus for splicing motion-picture film. 2,499,686, Mar. 7.

Selnick, Eugene H., Akron, Ohio, assignor to The Babcock & Wilcox Company, Rockleigh, N. J. Furnace combustion chamber closure with fluid jet gas escape prevention means. 2,528,671, Nov. 7.

Selover, Aladdin P., Pocatello, Idaho. Display device. 2,509,535, May 30.

Selsky, Albert, Brooklyn, N. Y. Making flock coated articles. 2,496,070, Jan. 31.

Selvey, Arthur M.: *See*—
Reinhart, Howard A., and Selvey.

Selvidge, Harner, Hohokus, N. J., assignor to the United States of America as represented by the Secretary of the Navy. Fulminating fuse. 2,498,050, Feb. 21.

Semak, Peter I., Castle Shannon, Pa. Valve. 2,508,843, May 23.

Semar, Claude S., Dearborn, assignor to General Motors Corporation, Detroit, Mich. Door check and hold-open. 2,513,751, July 4.

Semco, William B., assignor to Artistic Beauty Products Company, Los Angeles, Calif. Cold waving process. 2,529,886, Nov. 14.

Semegen, Stephen T., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Vulcanization of rubber. 2,530,789, Nov. 21.

Semeyn, Leonard J., Lamont, Mich. Receptacle and support therefor. 2,517,248, Aug. 1.

Semon, Albert L., Short Hills, N. J. Device for lubricating fluid pressure operating means. 2,511,016, June 13.

Semon, David E., Jacksonville, Fla. Hoop, tire, and bailing machine. 2,516,263, July 25.

Semon, Howard W.: *See*—
Hall, Alvin C., and Semon.
Semotân, Karel, assignor to Bata Narodní Podnik, Zlin, Czechoslovakia. Drawing off of circularly knitted articles. 2,521,258, Sept. 5.
Semple, George E., assignee: *See*—
Bougbey, Jeremiah J.
Semrau, Hugo F., Verona, Pa. Dial protractor. 2,495,609, Jan. 24.
Sender, Leopold: *See*—
Jones, Leo D., and Sender.
Sendoykas, Constance K., assignee: *See*—
Sendoykas, Jack J.
Sendoykas, Jack J., assignor to C. K. Sendoykas, Detroit, Mich. Mechanical movement. 2,506,241, May 2.
Seneca Falls Machine Company, assignee: *See*—
Ashton, Richard A.
Smith, Edwin R.
Séneca y Laborde, Julio, Habana, and A. Sainz y Barcenas, Marianao, Cuba. Liquid fuel burner. 2,513,682, July 4.
Seney, John S., Richmond, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Moisture indicator for webs. 2,508,045, May 16.
Senff, Karl, Detroit, Mich., assignor to R. P. Scherer Corporation. Pile ointment tube. 2,512,115, June 20.
Senfleben, Paul W., Malden, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Sole attaching machine. 2,501,789, Mar. 28.
Seng, Company, The, assignee. *See*—
Elleman, Tom.
Fox, Martin.
Sickert, Gene D.
Sengebusch, Hans: *See*—
Graybill, Kenneth W., and Sengebusch.
Senior, John H., Germantown, and H. B. Riehl, Norristown, assignors to Proctor & Schwartz, Inc., Philadelphia, Pa. Textile fiber opening apparatus. 2,505,690, Apr. 25.
Senkus, Murray, assignor to Commercial Solvents Corporation, Terre Haute, Ind. 2-amino-2-methyl-4-(3.5 diazacyclohexyl)-4-aza-1-pentanols and their production. 2,504,950, Apr. 25.
Senkus, Murray, assignor to Commercial Solvents Corporation, Terre Haute, Ind. Refining penicillin X ammonium salt. 2,523,482, Sept. 26.
Senn Corporation, assignee: *See*—
Coake, Charles F.
Senna, Salvatore M., Westport, Conn. Umbrella 2,522,645, Sept. 19.
Senné, Edgar P., Rockville Centre, N. Y. Vacuum cleaner with dirt-bag feed and ejection. 2,532,642, Dec. 5.
Senné, Edgar P., Rockville Centre, N. Y. Filter replacement construction for vacuum cleaners. 2,533,057, Dec. 5.
Sennholtz, Charles E.: *See*—
Anderson, Carlos E., and Sennholtz.
Sennholtz, Charles E., Chicago, Ill. Impact hammer with attached wear member. 2,534,301, Dec. 19.
Sennholtz, Charles E., Chicago, Ill. Hammer for impact pulverizers. 2,534,302, Dec. 19.
Sennholtz, Charles E., and C. E. Anderson, Chicago, Ill., said Anderson assignor to said Sennholtz. Making molds for chains. 2,505,507, Apr. 25.
Sensel, Eugene E., Beacon, and R. A. Beck, Fishkill, assignors to The Texas Compnay, New York, N. Y. Catalytically synthesizing hydrocarbons. 2,501,695, Mar. 28.
Sensel, Eugene E., and A. J. Millendorf, Beacon, and R. A. Beck, Glenham, assignors to The Texas Company, New York, N. Y. Synthesizing hydrocarbons and the like. 2,503,356, Apr. 11.
Sensel, Eugene E., Beacon, and R. A Beck, Fishkill, assignors to The Texas Company, New York, N. Y. Catalysts for hydrocarbon synthesis. 2,517,035, Aug. 1.
Sensel, Eugene E., Beacon, N. Y., and M. M. Stewart, Somerville, N. J., assignors to The Texas Company, New York, N. Y. Supported catalysts for the conversion of carbon-monoxide-containing reactants. 2,517,036,
Sensiper, Samuel, Garden City, N. Y., assignor to The Sperry Corporation. Ultra high frequency apparatus. 2,508,426, May 23.
Sens-Olive, Marcel, Paris, France, assignor to International Business Machines Corporation, New York, N. Y. Multiplying device. 2,521,418, Sept. 5.
Senter, Lloyd W., Overland, assignor to Portnoy Garment Company, St. Louis, Mo. Sewing machine for making tubular trimmings. 2,534,534, Dec. 19.
Sentipal, Stephen: *See*—
Oplinger, Kirk A., and Sentipal.
Separation Process Company, assignee: *See*—
Heilmann, Thorbjorn.
Vogel-Jorgensen, Mikael.
Sepavich, Victor F., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Picking shaft for looms. 2,518,945, Aug. 15.
Sepin, L. T., assignee: *See*—
Brown, Alfred G.
Seppola, Asle, Evansburgh, Alberta, Canada. Conveyer for grain binders. 2,520,018, Aug. 22.
Septfonds, Charles E., Jr.: *See*—
Benson, Albin N., McMorrow, Septfonds, Jr., and Blankstein.
Serafini, Luigi, Mineola, assignor of twenty-five per cent to A. A. Lewis, Nassau County, fifteen per cent to H. B. Schillinger, and fifteen per cent to A. P. Pagnotta, Roslyn, N. Y. Fuel conserving combustion gas offtake system for forced-draft furnaces. 2,524,087, Oct. 3.
Serdex, Inc., assignee: *See*—
Coburn, William K.
Serdynsky, Eugene D., assignor to The Dow Chemical Company, Midland, Mich. Thermoplastic compositions with reduced flow viscosity. 2,532,245, Nov. 28.
Sereno, Paolo, New York, N. Y. Resilient clamping device for framework elements. 2,523,785, Sept. 26.
Sereno, Paolo, Rome, Italy. Fluorescent sign lamp. 2,520,513, Aug. 29.
Serinis, Neo S., Gloucester, N. J., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Making integrated calcium silicate bodies. 2,534,303, Dec. 19.
Serniuk, George E., Roselle, N. J., assignor to Standard Oil Development Company. Amine activated emulsion polymerization process. 2,529,315, Nov. 7.
Serniuk, George E., Roselle, and B. M. Vanderbilt, Westfield, N. J., assignors to Standard Oil Development Company. Esterification with boron fluoridehydroxy polyether complexes. 2,534,304, Dec. 19.
Serota, Rudolph M., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Delayed voltage responsive system utilizing capacitor controlled thyratrons. 2,516,348, July 25.
Serpico, Frank, Philadelphia, Pa. Reinforced luggage box. 2,534,684, Dec. 19.
Serra, Frank J., Nashwauk, Minn. Vise for holding circular objects. 2,500,711, Mar. 14.
Serrallach, Joseph A., Barcelona, Spain. Delayed swelling locust bean gum laxative. 2,522,306, Sept. 12.
Serrander, Staffan, administrator: *See*—
Lindblad, Axel R., Malmqvist, and Gustafsson.
Serrell, Frédéric A. E., Boulogne-sur-Seine, France. Apparatus for measuring and recording oscillating pressures, particularly blood pressure. 2,505,436, Apr. 25.
Serrell, Jesse P., Paris, France. Multiple combustion unit pulse jet engine. 2,500,712, Mar. 14.
Serrell, Peter V., Pasadena, Calif. Combined front and side shackle block. 2,517,249, Aug. 1.
Serrick Corporation, The, assignee: *See*—
Peters, Herman, and Pedlow.
Seruto, Joseph: *See*—
Parker, Robert P., and Seruto.
Servanty, Lucien, assignor to Societe Nationale de Constructions Aeronautiques du Sud-Ouest (Societe Anonyme), Paris, France. Arrangement for securing and controlling a movable flap at the trailing edge of an airplane wing. 2,524,605, Oct. 3.
Servel, Inc., assignee: *See*—
Anderson, Philip P., Jr.
Anderson, Sven W. E.
Ashby, Carl T., and Miller.
Buffington, Ralph M.
Edberg, Per.
Hanson, Frank E.
Lingard, Amos L.
McNeely, Lowell.
Miller, Charles A.
Reid, John G., Jr.
Sherwood, Thomas K.
Simpson, Walter M.
Skomp, Clifford E.
Smallwood, Albert E.
Taylor, Robert S.
Thomas, Albert R.
Thomas, Albert R., and Edberg.
Whitlow, Eugene P.
Serwin, John, Clifton, N. J. Vacuum cleaner chest. 2,528,249, Oct. 31.
Sessions Clock Co., The, assignee: *See*—
Sessions, William K., Jr., and Brightman.
Sessions, Donald W., Lansing, Mich. Sleeve layer. 2,499,931, Mar. 7.
Sessions, Donald W., Lansing, Mich. Sleeve layer. 2,507,054, May 9.
Sessions, William K., Jr., Bristol, and E. D. Brightman, assignors to The Sessions Clock Co., Forestville, Conn. Combined bushing and anchor for electric wires. 2,522,844, Sept. 19.
Setright Registers Limited, assignee: *See*—
Adshead, Charles W.
Settel, Arthur G., New York, N. Y. Machine for cutting fur-bearing skins. 2,514,804, July 11.
Settergren, Carl L., New York, N. Y. Holder for plastic sheet used for cleaning or polishing hard surfaces. 2,518,384, Aug. 8.
Setterholm, Vernon M., Rochester, N. Y., and D. B. Sevin, Norwichtown, Conn. Fixture. 2,516,154, July 25.
Setterington, John T.: *See*—
Holden, Harry A., and Setterington.
Setterstedt, Carl A.: *See*—
Lang, Clayton L., and Setterstedt.
Settle, Haynes L., assignee: *See*—
Timberlake, Journey F.
Settle, Joseph F., Schenectady, N. Y., assignor to General Electric Company. Electrical contact member and making the same. 2,509,021, May 23.
Seubold, Frank H.: *See*—
Rust, Frederick F., Vaughan, and Seubold.

Seuff, John F., Atlantic City, N. J. Ventilating attachment for steam garment pressing machines. 2,499,006, Feb. 28.

Sevald, William T., assignee: *See*—
Saffady, Thomas F.

Sevenich, Earnest D.: *See*—
Cooper, David P., and Sevenich.

Sevenich, Earnest D., assignor to The Cold Metal Products Company, Youngstown, Ohio. Furnace. 2,507,274, May 9.

Sever, Frank J., assignor of twenty-five per cent to J. M. Sever, Cleveland, Ohio. Rocker attachment unit for tricycles. 2,499,531, Mar. 7.

Sever, Josephine M., assignee: *See*—
Sever, Frank J.

Sever, Louis M., Los Angeles, Calif. Convertible skirt. 2,498,184, Feb. 21.

Severin, Gordon H., Oklahoma City, Okla. Simulated golf game projector with falling head for striking a ball. 2,532,646, Dec. 5.

Severoceske tukove zavody, narodni podnik, assignee: *See*—
Bohm, Otto.

Severson, Alfred L., and S. L. Sherman, assignors to The Chicago Lighthouse For The Blind, Chicago, Ill. Child's block set. 2,513,596, July 4.

Severson, Palmer T.: *See*—
Jochem, Theodore B., Seeger, and Severson.

Severy, Victor H., Atlanta, Ga., assignor to Scripto Inc. Fountain pen. 2,521,657, Sept. 5.

Sevin, Douglas B.: *See*—
Setterholm, Vernon M., and Sevin.

Sevison, Harry D., Elkhart, Ind., assignor to The Adlake Company, Chicago, Ill. Latch. 2,523,727, Sept. 26.

Sevön, Johan W., deceased, and F. V. Sundman; K.-G. B. Fogelholm, administrator of the estate of said J. W. Sevön, assignors to Kymin Osakeyhtio-Kymmene Aktiebolag, Kuusankoski, Finland. Preparing chlorine dioxide gas. 2,533,842, Dec. 12.

Sewald, William M., Jr., Crystal City, Mo. Compact smoker. 2,504,597, Apr. 18.

Seward, Percy R., Minneapolis, Minn. Automatic plate inserter and ejector for embossing machines. 2,534,834, Dec. 19.

Sewell, Ben W.: *See*—
Blood, Robert H., and Sewell.
Williams, Philip S., and Sewell.

Sewell, Benjamin W., Tulsa, Okla., assignor to Standard Oil Development Company. Core barrel. 2,494,363, Jan. 10.

Sewell, John W., St. Louis, Mo. Two-piece button. 2,518,643, Aug. 15.

Sexton, Arthur R., and E. C. Britton, assignors to The Dow Chemical Company, Midland, Mich. 2-allyl-chlorophenoxy-2-propanols. 2,500,011, Mar. 7.

Sexton, John T., assignee: *See*—
Ford, Asa J.

Sexton, Wilfred A., Manchester, and R. E. Slade and W. G. Templeman, Bracknell, England, assignors to Imperial Chemical Industries Limited. Prevention and destruction of weeds. 2,498,302, Feb. 21.

Seyb, Leslie P., and J. L. Foster, Painesville, Ohio, and H. D. Clayton, Troy, N. Y., assignors to Diamond Alkali Company, Cleveland, Ohio. Bleaching textiles. 2,515,532, July 18.

Seybold, Arthur M., West Orange, N. J., assignor to Radio Corporation of America. Multigrid tube amplifier circuit. 2,494,317, Jan. 10.

Seybold, Frederick W., Westfield, N. J., assignor to E. P. Lawson Co., Inc., New York, N. Y. Cutting knife clamp adjustment. 2,506,436, May 2.

Seybold, Frederick W., Westfield, N. J., assignor to E. P. Lawson Co., Inc., New York, N. Y. Hydraulic clamp for paper cutters. 2,506,651, May 9.

Seybold, Frederick W., Westfield, N. J., assignor to E. P. Lawson Co., Inc., New York, N. Y. Electric clutch and brake mechanism. 2,521,486, Sept. 5.

Seybold, Frederick W., Westfield, N. J. Transmission. 2,524,867, Oct. 10.

Seyboth, Harold A., Coronado, Calif. Fabric tester. 2,522,544, Sept. 19.

Seyferth, Carl G., assignor to West Michigan Steel Foundry Company, Muskegon, Mich. Support for semi-trailers. 2,523,152, Sept. 19.

Seyfried, Arthur W., Racine, Wis., assignor to Scovill Manufacturing Company, Waterbury, Conn. Vacuum cleaner with automatic nozzle height adjustment. 2,535,322, Dec. 26.

Seyler, Harry H., Wellsville, Kans. Hog handling apparatus. 2,521,487, Sept. 5.

Seymour, George W., and C. E. Hieserman, Cumberland, Md., assignors to Celanese Corporation of America. Anthraquinone dyestuffs. 2,496,414, Feb. 7.

Seymour, George W., Millburn, B. B. White, Summit, and M. Plunguian, Gillette, N. J., assignors to Celanese Corporation of America. Production of cellulose esters. 2,498,010, Feb. 21.

Seymour, George W., and V. S. Salvin, Cumberland, and W. D. Jones, Cresaptown, Md., assignors to Celanese Corporation of America. Anthrapyridone dyestuffs. 2,501,099, Mar. 21.

Seymour, George W., and V. S. Salvin, Summit, N. J., assignors to Celanese Corporation of America. Process to produce 2,6-dichlor-4-nitro-aniline. 2,501,831, Mar. 28.

Seymour, George W., and V. S. Salvin, Cumberland, and W. D. Jones, Cresaptown, Md., assignors to Celanese Corporation of America. Preparation of 4-chloro-3-nitro-benzene sulfonyl chloride. 2,511,547, June 13.

Seymour, George W., and G. C. Ward, Cumberland, Md., assignors to Celanese Corporation of America. Dyeing cellulose derivatives in the presence of inorganic thiocyanates and organic acids. 2,518,644, Aug. 15.

Seymour, George W., G. C. Ward, and R. L. Hunter, Cumberland, Md., assignors to Celanese Corporation of America. Vat dyeing process for cellulose acetate textile material. 2,528,614, Nov. 7.

Seymour, Howard C., Washington, D. C. Form for making concrete slabs. 2,514,805, July 11.

Seymour, John L., New Rochelle, N. Y. Inhibition of oil well corrosion. 2,531,829, Nov. 28.

Seymour, Malcolm: *See*—
Hart, George T., and Seymour.

Seymour, Maurice L., Berkeley, Calif. Grouter for tractor wheels. 2,501,973, Mar. 28.

Seymour, Raymond B., Chattanooga, Tenn., assignor to Monsanto Chemical Company, St. Louis, Mo. Printing textile fabrics with a dye paste comprising a styrene-maleic anhydride copolymer cross-linked with divinyl benzene. 2,533,635, Dec. 12.

Shabaker, Hubert A., Media, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Cracking hydrocarbons with modified kaolin catalyst. 2,494,586, Jan. 17.

Shabaker, Hubert A., Media, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Forming gaseous sulfides and sulfidation therewith. 2,494,587, Jan. 17.

Shabaker, Hubert A., Media, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Hydrocarbon conversion with Eccles kaolin. 2,504,158, Apr. 18.

Shabaker, Hubert A., Media, Pa., assignor to Houdry Process Corporation, Wilmington, Del. System for drying paste-like material. 2,513,368, July 4.

Shabaker, Hubert A., Media, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Hydrocarbon conversion in the presence of a steam-stable catalyst. 2,526,700, Oct. 24.

Shaboo, Edward Y., Phoenix, Ariz. Lifting tongs. 2,520,815, Aug. 29.

Shackel, Joseph T., Detroit, Mich. Flashlight lamp socket holder assembly. 2,530,913, Nov. 21.

Shacklette, Albert, Jeffersontown, Ky. Power-operated posthole digging machine. 2,534,628, Dec. 19.

Shade, Ada Z., assignee: *See*—
Zimmerman, Herman W.

Shaeffer, Norbert, assignor, by mesne assignments, to R. P. M. Davis, Los Angeles, Calif. Hair trimmer. 2,512,289, June 20.

Shafer, George E., Middletown, Ohio, assignor to Armco Steel Corporation. Corrugated conduit. 2,501,854, Mar. 28.

Shafer, Ivan, Oakes, N. Dak. Seed treating attachment for conveyers. 2,507,820, May 16.

Shafer, James A., East Cleveland, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Snubbed truck bolster. 2,508,869, May 23.

Shafer, Julius E., Chicago, Ill. Bearing assembly. 2,501,100, Mar. 21.

Shafer, Julius E., Chicago, Ill. Bearing retainer. 2,525,622, Oct. 10.

Shafer, Lincoln M., Upper Montclair, N. J. Ball mill and vapor condenser. 2,511,742, June 13.

Shafer, Lulu P., executrix: *See*—
Shafer, Samuel, Jr.

Shafer, Orville B.: *See*—
Dayger, Jonas E., and Shafer.
Rubidge, David W., and Shafer.

Shafer, Orville B., Owego, and J. J. Sullivan, Binghamton, assignors to International Business Machines Corporation, New York, N. Y. Electrical system. 2,531,895, Nov. 28.

Shafer, Samuel, Jr., deceased, by L. P. Shafer, executrix, assignor to Chain Belt Company, Milwaukee, Wis. Controllable charge and discharge device. 2,507,275, May 9.

Shafer, William E., San Francisco, Calif. Pressure operated valve. 2,532,123, Nov. 28.

Shafer, William L., Mount Lebanon, Pa., assignor to American Telephone and Telegraph Company. Signalling system. 2,535,872, Dec. 26.

Shaff, Ernest H., Spring Lake, assignor to Keller Tool Company, Grand Haven, Mich. Two-speed hoist. 2,500,326, Mar. 14.

Shaff, Ernest H., Spring Lake, assignor to Keller Tool Company, Grand Haven, Mich. Power-operated nut setter. 2,507,737, May 16.

Shaff, Ernest H., Spring Lake, Mich. Rotary pump. 2,514,521, July 11.

Shaff, Ernest H., Spring Lake, Mich. Hardness testing machine. 2,522,307, Sept. 12.

Shaff, Ernest H., Spring Lake, assignor to The Keller Tool Company, Grand Haven, Mich. Air-operated vise with improved actuator and adjustment means. 2,530,085, Nov. 14.

Shaff, Ernest H., Spring Lake, Mich. Blow gun for cleaning machines or the like. 2,534,183, Dec. 12.
Shaffer, Charles S., Odessa, Tex. Kelly drive bushing. 2,510,719, June 6.
Shaffer, Clifford A.: *See*—
Chronic, Clarence C., and Shaffer.
Shaffer, Clifford A., Freeport, Ill. Tossing game piece. 2,506,815, May 9.
Shaffer, Daniel W., assignee: *See*—
Shaffer, Ernest J.
Shaffer, Donald U.: *See*—
Miller, Ivan O., Sutliff, Shaffer, and Waggener.
Shaffer, Donald U., Brea, Calif., assignor to Shaffer Tool Works. Protecting packer for casing heads. 2,533,059, Dec. 5.
Shaffer, Elwood F., assignor to Reading Hardware Corporation, Reading, Pa. Front plate mounting for mortise locks. 2,497,189, Feb. 14.
Shaffer, Ernest J., Tulsa, Okla., assignor of one-halt to D. W. Shaffer, Hutchinson, Kans., and one-half to G. W. Shaffer, Jr., Tulsa, Okla. Hydraulic hoist. 2,502,895, Apr. 4.
Shaffer, George W., Jr., assignee: *See*—
Shaffer, Ernest J.
Shaffer, Harvey H., Berwick, Pa. Removable journal box. 2,528,393, Oct. 31.
Shaffer, Sherman S., Baytown, and B. F. Armendt, Pelly, Tex., assignors to Standard Oil Development Company. Polymerizing olefins. 2,533,058, Dec. 5.
Shaffer, Stanley E., Merced, Calif. Float controlled irrigation device. 2,512,176, June 20.
Shaffer Tool Works, assignee: *See*—
Miller, Ivan O., Sutliff, Shaffer, and Waggener.
Shaffer, Donald U.
Shafor, Ralph W., Los Gatos, Calif., assignor to International Minerals & Chemical Corporation. Saccharateion exchange process. 2,534,560, Dec. 19.
Shafor, Ralph W., Los Gatos, and F. H. Catterson, San Jose, Calif., assignors to International Minerals & Chemical Corporation. Crystallization of glutemic acid derived from hydrolysates. 2,517,601, Aug. 8.
Shafter, Ruland R., New York, N. Y., assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Gyratory crusher mantle. 2,514,675, July 11.
Shaheen, Allie, assignee: *See*—
Otallah, Gustandy.
Shaieb, George A., assignor to Active Tool & Manufacturing Company, Detroit, Mich. Trailer hitch. 2,532,676, Dec. 5.
Shain, Yerme H., Brooklyn, N. Y. Knife steel. 2,499,786, Mar. 7.
Shakespeare Company, assignee: *See*—
Harrington, Gerald D.
Shakespeare, Henry G., and Harrington.
Shakespeare, Henry G., and G. D. Harrington, assignors to Shakespeare Company, Kalamazoo, Mich. Fishing reel of the type known as "spinning reel." 2,521,543, Sept. 5.
Shakespeare Products Company, assignee: *See*—
Scott, Russell J.
Weber, Herman.
Shakin, Samuel, Newark, N. J., assignor to Nathan Manufacturing Company, New York, N. Y. Tank gauge. 2,497,694, Feb. 14.
Shakowitz, Isidore, Philadelphia, Pa. Folding trestle. 2,506,896, May 9.
Shaler, Saul, Jackson Heights, N. Y. Steel square. 2,512,177, June 20.
Shalla, Edmund F.: *See*—
Deichmiller, Alwin, and Shalla.
Shallcross Controls, Inc., assignee: *See*—
Puerner, Erving A.
Shamel, Lowell C., Davison, Mich. Fishhook extractor. 2,503,420, Apr. 11.
Shames, Irving, Brooklyn, N. Y. Reinforced fabric strap. 2,495,187, Jan. 17.
Shamos, Morris H., New York, N. Y. Geiger-Müller counter. 2,522,902, Sept. 19.
Shamos, Morris H., and I. S. Lowen, assignors of one-half to W. I. and G. C. Westervelt, New York, N. Y. Interference reducing method of secret communication. 2,531,951, Nov. 28.
Shampaine, Hyman R., Clayton, Mo. Clutch for surgical tables and the like. 2,501,415, Mar. 21.
Shampaine, Hyman R., Clayton, Mo. Elevating mechanish for operating and examining tables. 2,532,677, Dec. 5.
Shanahan, John J.: *See*—
Mauro, Arthur, and Shanahan.
Shanahan, Perle W., Vicksburg, Miss. Carrier brassière. 2,503,847, Apr. 11.
Shanahan, Richard J., and M. D. Pattullo, Wilmette, Ill. Journal lubricator. 2,518,645, Aug. 15.
Shanck, Roy B., Douglaston, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Carrier telegraphy. 2,503,000, Apr. 4.
Shanck, Roy B., Douglaston, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electromagnetic relay. 2,528,088, Oct. 31.
Shand, Edwin W., Homewood, Ill., assignor to Sinclair Refining Company, New York, N. Y. Apparatus for the catalytic conversion of hydrocarbons. 2,511,652, June 13.
Shand, Edwin W., Pittsburgh, Pa., assignor to Sinclair Refining Company, New York, N. Y. Preparation of alpha-methoxy propionitrile. 2,511,653, June 13.
Shand and Jurs Company, assignee: *See*—
Jurs, Peter C.
Shand, Stanley G., and R. H. Price, assignors to Saunders Valve Company Limited, Cwmbran, Newport, England. Plug cock. 2,520,288, Aug. 29.
Shane, Herbert J.: *See*—
Smith, Milton J., and Shane.
Shane, William E., Grosse Pointe, Mich. Garment hanger. 2,517,804, Aug. 8.
Shangold, Jules: *See*—
Tydings, Kenneth S., and Shangold.
Shank, Walter B., D. H. Gurinsky and E. C. Creutz, Chicago, Ill., assignors to the United States of America as represented by the United States Atomic Energy Commission. Measuring corrosion and erosion. 2,519,323, Aug. 15.
Shanklin, Dunbar L., Winchester, and R. P. Stokes, Malden, assignors to Dewey and Almy Chemical Company, North Cambridge, Mass. Crown closure lining machine. 2,524,545, Oct. 3.
Shanklin, John P., Baltimore, assignor to Bendix Aviation Corporation, Towson, Md. Pulse length measurement. 2,515,968, July 18.
Shanklin, John P., assignor to Collins Radio Company, Cedar Rapids, Iowa. Antenna. 2,533,900, Dec. 12.
Shankweiler, Ray G., Cranbury, N. J., and D. Blitz, Boston, Mass., assignors to Radio Corporation of America. Frequency modulation distance indicator. Re. 23,194, Jan. 31.
Shann, Oscar A.: *See*—
Guthe, Olof D. M., and Shann.
Richardt, John W., Jr., and Shann.
Shann, Oscar A., Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Subscriber telephone set double connection signal. 2,496,642, Feb. 7.
Shann, Oscar A., Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone coin collector with pile-up leveling means. 2,502,999, Apr. 4.
Shann, Oscar A., Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone set. 2,503,846, Apr. 11.
Shann, Oscar A., Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Latching mechanism for telephone sets. 2,518,385, Aug. 8.
Shann, William E., Andover, assignor to Pacific Mills, Lawrence, Mass. Apparatus for automatically stopping textile machines. 2,497,017, Feb. 7.
Shannon, Harold S., Detroit, Mich., assignor to National Steel Corporation. Animal house. 2,530,485, Nov. 21.
Shannon, Joseph, Beaumont, Tex. Cap for marine oil wells. 2,523,341, Dec. 5.
Shannon, Joseph, Beaumont, Tex. Marine oil drilling machine. 2,534,480, Dec. 19.
Shannon, Paul B.: *See*—
Hejduk, Arthur A., and Shannon.
Shaper, Harry B., Astoria, N. Y., assignor to The Brush Development Company, Cleveland, Ohio. Electroacoustic transducer device. 2,508,544, May 23.
Shaper, Harry B., Cleveland, Ohio, assignor to Sonotone Corporation, Elmsford, N. Y. Testing hearing. 2,511,482, June 13.
Shaper, Harry B., and H. B. Miller, assignors to The Brush Development Co., Cleveland, Ohio. Magnetic recording and reproducing. 2,513,683, July 4.
Shapiro, Abraham: *See*—
Clark, Albert F., and Shapiro.
Shapiro, Abraham, New York, N. Y. Optical demonstrating device. 2,529,107, Nov. 7.
Shapiro, Carl L., Beaver Falls, Pa., assignor to Acryvin Corporation of America, Astoria, N. Y. Polymeric acrylate ester compositions. 2,529,108, Nov. 7.
Shapiro, Gustave, Asbury Park, N. J. Coupling. 2,514,420, July 11.
Shapiro, Harry S.: *See*—
Bachli, Herman, and Shapiro.
Shapiro, Hyman, Brooklyn, N. Y. Easel supported, multiple disk calendar. 2,525,732, Oct. 10.
Shapiro, Hymin: *See*—
Calingaert, George, and Shapiro.
Shapiro, Hymin, Detroit, Mich., assignor to Ethyl Corporation, New York, N. Y. Manufacture of tetraalkyllead. 2,535,235, Dec. 26.
Shapiro, Hymin, Detroit, Mich., assignor to Ethyl Corporation, New York, N. Y. Preparation of tetraalkyllead. 2,535,236, Dec. 26.
Shapiro, Hymin, Detroit, Mich., assignor to Ethyl Corporation, New York, N. Y. Preparation of tetraalkyllead. 2,535,237, Dec. 26.
Shapiro, Isadore, Danbury, Conn. Device for positioning X-ray film to dental cones. 2,525,959, Oct. 17.
Shapiro, Jack and M., New York, N. Y. Internally applied, expanding gripping tool. 2,497,633, Feb. 14.
Shapiro, Jack and M., New York, N. Y. Expansible tool for removing lamp bases. 2,516,650, July 25.
Shapiro, Jack and M., Bronx, N. Y. Tool for removing lamp bases. 2,516,651, July 25.

Shapiro, James, assignee: *See*—
Jones, Elmer W.
Watson, Robert D.
Shapiro, Joseph, assignee: *See*—
Heyman, Albert A.
Wixon, Paul E., and Chapman.
Shapiro, Joseph, Shrub Oak, N. Y. Demountable support for bedsprings. 2,501,878, Mar. 28.
Shapiro, Joseph M., Ridgefield, Conn. Machine for making garment patterns. 2,523,153, Sept. 19.
Shapiro, Martin, Bronxville, N. Y. Insole for shoes. 2,505,508, Apr. 25.
Shapiro, Martin, New York, N. Y. Shoe with movable thonged upper. 2,507,120, May 9.
Shapiro, Marvin: *See*—
Shapiro, Jack, and M.
Shapiro, Mordecai, Merrick, N. Y. Lubricating means. 2,514,903, July 11.
Shapiro, Samuel A., Bronx, N. Y. Refrigerant control manifold. 2,528,557, Nov. 7.
Shapiro, Sydney H.: *See*—
Jordan, Wesley A., Shapiro, and Schrager.
Shapleigh, James H., assignor to Hercules Powder Company, Wilmington, Del. Hydrogen production. 2,524,840, Oct. 10.
Shapleigh, James H., assignor to Hercules Powder Company, Wilmington, Del. Cracking hydrocarbons. 2,525,276, Oct. 10.
Shappell, Fred J.: *See*—
Lee, Fred A., Shappell.
Shapter, Robert D., assignor to Lovell Manufacturing Company, Erie, Pa. Vortex-type gas burner. 2,514,806, July 11.
Sharaf, Nathan, Brookline, Mass. Maintaining sterilization. 2,518,081, Aug. 8.
Sharbaugh, Amandus H.: *See*—
Lafferty, James M., and Sharbaugh.
Sharbaugh, William J.: *See*—
Perrin, Paul C., and Sharbaugh.
Sharenow, Alexander, New York, N. Y. Carbon resistor rheostat. 2,533,519, Dec. 12.
Sharf, John M., Lancaster Township, Lancaster County, assignor to Armstrong Cork Company, Lancaster, Pa. Method and apparatus for sealing containers. 2,534,305, Dec. 19.
Sharkey, John J., assignee: *See*—
Harmon, John G.
Sharkey, William H., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Dyeing nylon with dilute solutions of acid dyes. 2,499,787, Mar. 7.
Sharma, Jagan N., Los Angeles, Calif. Solid water ice composition for packing and shipment of fruits and vegetables. 2,509,579, May 30.
Sharp, Albert L., Ardmore, Pa. Medicated air distributing apparatus. 2,501,541, Mar. 21.
Sharp, Allen, assignor to Barker Poultry Equipment Company, Ottumwa, Iowa. Conveyer chain. 2,494,009, Jan. 10.
Sharp, Charles E., Jr., University City, Mo. Folding map. 2,507,615, May 16.
Sharp, Charles L., Palmyra, N. J. Railroad spike. 2,533,901, Dec. 12.
Sharp & Dohme, Incorporated, assignee: *See*—
Cope, Arthur C.
Hall, Victor C.
Kazal, Louis A.
Moore, Maurice L.
Schneiderwirth, Herman J.
Sprague, James M.
Sharp, Fred N., assignor, by decree of distribution and by mesne assignments, to L. S. Killeen, Flint, Mich. Tool lift for an agricultural implement. 2,518,386, Aug. 8.
Sharp, Jefferson M., assignor to National Transit Pump and Machine Company, Oil City, Pa. Lost motion linkage. 2,501,101, Mar. 21.
Sharp, Oscar, trustee, assignee: *See*—
Sharp, Oscar, and Bellamy.
Sharp, Oscar, and W. Bellamy, assignors to O. Sharp, Chicago, Ill., trustee. Artificial limb and valve therefor. 2,533,404, Dec. 12.
Sharp, Paul F., Piedmont, assignor to Golden State Company, Ltd., San Francisco, Calif. Apparatus for processing substances containing crystallizable material. 2,495,024, Jan. 17.
Sharp, Paul F., Piedmont, assignor to Golden State Company, Ltd., San Francisco, Calif. Casein manufacturing process. 2,519,606, Aug. 22.
Sharp, Renwick J., Guatemala City, Guatemala. Motor attachment for boats. 2,522,545, Sept. 19.
Sharp, Robert E. B., assignor to S. Morgan Smith Company, York, Pa. Hub construction for variable pitch propellers or the like. 2,514,097, July 4.
Sharp, Thomas C., North Hollywood, Calif., assignor to Radio Corporation of America. Film sound record editing and inspection system. 2,510,607, June 6.
Sharp, Thomas D., New Orleans, La. System of furnishing air conditioning, communication, and entertainment to parked vehicles. 2,529,425, Nov. 7.
Sharp, William, Birmingham, England. Snap action electric switch. 2,533,743, Dec. 12.
Sharpe, Catherine D., executrix: *See*—
Sharpe, John S.
Sharpe, Duncan T.: *See*—
Kleinfelder, Walter C., and Sharpe.
Sharpe, Everett E.: *See*—
Krueger, Theodore H., and Sharpe.
Sharpe, John S., deceased, Haverford; C. D. Sharpe, executrix, assignor to The Franklin Institute of the State of Pennsylvania for the Promotion of the Mechanic Arts, Philadelphia, Pa. Transmission mechanism. 2,505,745, Apr. 25.
Sharpe, Paul D.: *See*—
Rittershausen, Ernst P., and Sharpe.
Sharpe, Randall H., assignee: *See*—
Baker, William E.
Sharpe, Robert H., Stockton, Calif. Harvester for low growing crops. 2,510,261, June 6.
Sharpe, William W., Detroit, Mich. Fly swatter. 2,496,415, Feb. 7.
Sharpes, Roy E., Harrisonburg, Va. Self-operating pitch changing propeller and control therefor. 2,504,737, Apr. 18.
Sharples Chemicals Inc., assignee: *See*—
Davidson, John B., and Olin.
Gross, Walter D.
Morton, Paul D.
Olin, John F.
Olin, John F., and Morton.
Ritter, Edmond J.
Ritter, Edmond J., and Robinson.
Stanley, Cletius D.
Sharples Corporation, The, assignee: *See*—
Collier, Donald W.
Jones, Leo D.
Jones, Leo D., and Sender.
Sharples, Thomas D.
Sharples, Thomas D., South Pasadena, Calif., assignor to The Sharples Corporation. Photographic stencil screen and making the same. 2,500,877, Mar. 14.
Sharpless, Thomas K., Haverford, and E. S. Eichert, Springfield, assignors of two-thirds to B. Z. Rose, and one-third to Technitrol Engineering Company, Inc., Philadelphia, Pa. Electronic remote-controlled registering system. 2,528,394, Oct. 31.
Sharpsborg Elektriske Fabrikker, SEFAA/S, assignee: *See*—
Araldsen, Peder O. G.
Sharratt, Albert G.: *See*—
Sharratt, John G. and A. G.
Sharratt, John G. and A. G., West Bromwich, assignors to A. W. Dulson, Worcester, England. Bearing bush. 2,523,972, Sept. 26.
Sharrow, Robert F., Fort Wayne, Ind. Furniture spacer. 2,499,230, Feb. 28.
Sharrow, Robert F., Fort Wayne, Ind., assignor to General Electric Company. Electric coil lead-in anchor. 2,518,192, Aug. 8.
Shartsis, Leo: *See*—
Flint, Einar P., Shartsis, and Wells.
Shatkin, Sidney, Long Branch, assignor to Crest Silver Mfg. Co. Inc., Matawan, N. J. Lipstick case. 2,526,089, Oct. 17.
Shattock, Charles F. B.: *See*—
Leech, Kenneth H., and Shattock.
Shattuck, Daniel W., assignor to Universal Door Carrier, Inc., Indianapolis, Ind. Door carrier. 2,508,972, May 23.
Shaver, Forrest W.: *See*—
Gresham, Thomas L., and Shaver.
Shaver, Forrest W., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Producing alkyl esters of alpha-beta unsaturated monocarboxylic acids from a beta-lactone and an alcohol. 2,510,423, June 6.
Shaver, James B., assignee: *See*—
Bailey, Alonzo W.
McDill, Rex D.
Shaver, Raymond M., Michigan City, Ind., assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Railway car roof. 2,519,079, Aug. 15.
Shaw, Charles G., Omemee, Ontario, Canada. Waterproofing leather. 2,512,389, June 20.
Shaw, Charles M., Albany, assignor to California Research Corporation, San Francisco, Calif. Detergent concentrate. 2,531,166, Nov. 21.
Shaw, Clarence W., Grosse Pointe, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio. Relief valve. 2,518,387, Aug. 8.
Shaw, Clifford: *See*—
Meadowcraft, Arthur E., Shaw, and Smith.
Shaw, Darus R.: *See*—
Shaw, Merritt R., and D. R.
Shaw, Eber W., Cleveland, Ohio. Folding ironing board. 2,499,078, Feb. 28.
Shaw, Edward W., Babylon, assignor to Republic Aviation Corporation, Farmingdale, N. Y. Aircraft auxiliary landing gear. 2,506,178, May 2.
Shaw, Elgin L., Cuyahoga Falls, assignor to Goodyear Aircraft Corporation, Akron, Ohio. Laminate. 2,511,816, June 13.
Shaw, Frederick C., Lincoln, Ark. Forearm splint. 2,529,786, Nov. 14.
Shaw, George R., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Liquid rheostat. 2,495,188, Jan. 17.

Shaw, George W., Croydon, Pa., assignor, by mesne assignments, to Kaiser Metal Products, Inc. Load indicator. 2,505,070, Apr. 25.
Shaw, Gilbert, Middlebury, Vt. One-piece resilient socket for fluorescent lamps. 2,531,533, Nov. 28.
Shaw, Harry P., Shelburne Falls, Mass. Pastry marker. 2,495,553, Jan. 24.
Shaw, Harvey L., Merced, Calif. Electric coupling. 2,520,739, Aug. 29.
Shaw, Homer M., U. S. Navy, Seattle, Wash. Patient supporting means. 2,516,925, Aug. 1.
Shaw, Hubert A., Hyannis, Mass. Candle. 2,533,290, Dec. 12.
Shaw, Hubert R., Drexel Hill, Pa., assignor to Radio Corporation of America. Television receiver brightness and contrast control. 2,505,367, Apr. 25.
Shaw, Hubert R., Drexel Hill, Pa., assignor to Radio Corporation of America. Video amplifier feeding constant black level output to cathode-ray tube. 2,522,967, Sept. 19.
Shaw Insulator Company, assignee: *See*—
Robb, Wayne F.
Shaw, Jack A., Long Beach, Calif. Adjustable armrest. 2,517,037, Aug. 1.
Shaw, Joe C., assignor to Young Radiator Company, Racine, Wis. Heat-exchanger core. 2,511,084, June 13.
Shaw, Joe C., and E. H. Kidd, assignors to Young Radiator Company, Racine, Wis. Oval oil cooler construction. 2,498,827, Feb. 28.
Shaw, John: *See*—
Heron, John A., Shaw, and Hocking.
Shaw, John F.: *See*—
Moon, James, and Shaw.
Shaw, John O., assignee: *See*—
Briggs, Claude M.
Shaw, Joseph A., assignor, by mesne assignments, to Koppers Company, Inc., Pittsburgh, Pa. Gas purification process. 2,524,088, Oct. 3.
Shaw, Joseph D., Cincinnati, Ohio. Electrical measuring device. 2,497,961, Feb. 21.
Shaw, Louis E., East Orange, N. J. Variable speed power transmission. 2,532,124, Nov. 28.
Shaw, Louis E., Newark, N. J. Variable speed power transmission. 2,524,575, Oct. 3.
Shaw, Merritt R., and D. R., East Jordan, Mich. Sanitary poultry fountain. 2,522,198, Sept. 12.
Shaw, Norman H., Stafford, assignor to the English Electric Company Limited, London, England. Motor control system. 2,498,303, Feb. 21.
Shaw, Norman H. and J. H. Bennett, Stafford, assignors to The English Electric Company Limited, London, England. Generator fed motor control system. 2,516,599, July 25.
Shaw, Paul A., San Pedro, assignor to Terminal Island Sea Foods, Ltd., Terminal Island, Calif. Drying by fluidization of the work. 2,513,369, July 4.
Shaw, Paul A., San Pedro, assignor to Terminal Island Sea Foods, Ltd., Terminal Island, Calif. Drier of the fluid current type. 2,513,370, July 4.
Shaw, Ralph M., Jr., Edgewater Park, N. J., assignor to Pedrick Tool & Machine Company, Philadelphia, Pa. Bending machine. 2,501,241, Mar. 21.
Shaw, Robert H.: *See*—
Husk, Harry M., Smith, and Shaw.
Shaw, Robert J., Bridgeport, Conn., assignor to General Electric Company. Vertically extensible projection television receiver cabinet. 2,494,364, Jan. 10.
Shaw, Roy A., San Bernardino, Calif. Auxiliary spreading attachment. 2,515,269, July 28.
Shaw, Samuel R., Jr., Ivanhoe, assignor of one-half to R. R. Indermill, Visalia, Calif. Elevating device. 2,512,534, June 20.
Shaw and Slavsky, Inc., assignee: *See*—
Slavsky, John R., and R. J.
Slavsky, Robert J. and J. R.
Shaw, Stanley W., Galesburg, Kans. Garden tractor. 2,535,701, Dec. 26.
Shaw, Tjerck P., Pasadena, assignor to Morehouse Industries, Los Angeles, Calif. Colloidal mill. 2,513,752, July 4.
Shaw-Walker Company, The, assignee: *See*—
Page, John H.
Shaw, Walter M., Arkansas City, Kans. Portable electric fire alarm device. 2,514,807, July 11.
Shaw, Walter M., Arkansas City, Kans. Multiple head gas burner unit. 2,525,960, Oct. 17.
Shaw, William: *See*—
Gwaltney, Eugene C., Shaw, and MacLean.
Shaw, William S., Boise, Idaho. Signal for newspaper delivery boxes. 2,496,962, Feb. 7.
Shawcross, Roy, Portland, Oreg. Breaking emulsions to recover wool fat. 2,522,140, Sept. 12.
Shawhan, Elbert N., Morton, assignor to Sun Oil Company, Philadelphia, Pa. Photoelectric recording system. 2,526,509, Oct. 17.
Shawinigan Chemicals Limited, assignee: *See*—
Benson, Gwyn, and Perks.
Eaton, Milton, and Barker.
Germain, Leo M.
Haddeland, George E., and Kennedy.
Hall, Ronald H., and McKim.
McCoubrey, James A., and Kiar.
McCoubrey, James A., and Lossing.
Shawinigan Resins Corporation, assignee: *See*—
Bromley, William H., Jr.
Fitzhugh, Andrew F.
Lavin, Edward.
Lavin, Edward, Marinaro, and Richard.
Wilson, Wilfred K.
Shawinigan Water & Power Co., The, assignee: *See*—
Kielland, Johan L.
Shay, J. E., Limited, assignee: *See*—
Arnot, Alfred E. R.
Shayne, William W., Miami, Fla. Coin-controlled music exchange. 2,529,356, Nov. 7.
Shea, Clarence W.: *See*—
Browne, Herbert A., and Shea.
Shea, Edwin T.: *See*—
Fisher, Pius A., and Shea.
Shea, Frank M., assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Radio cabinet tilt-out mechanism. 2,522,467, Sept. 12.
Shea, Frederick L., Jr., Chicago, and L. H. Juel, assignors to Great Lakes Carbon Corporation, Morton Grove, Ill. High coking binder compositions and products thereof. 2,500,208, Mar. 14.
Shea, Frederick L., Jr., Chicago, and L. H. Juel, assignors to Great Lakes Carbon Corporation, Morton Grove, Ill. Production of shaped carbon articles. 2,500,209, Mar. 14.
Shea, Frederick L., Jr., Chicago, and L. H. Juel, Morton Grove, Ill., assignors to Great Lakes Carbon Corporation, New York, N. Y. Carbon body and making. 2,527,596, Oct. 31.
Shea, Harry J., Dodge City, Kans. Poultry watering unit. 2,521,259, Sept. 5.
Shea, James W., Detroit, Mich. Drain connector for downspouts. 2,523,881, Sept. 26.
Shea, Jeremiah F., Springfield, Mass. Reconditioning forging dies. 2,494,970, Jan. 17.
Shea, John J.: *See*—
Lucas, Ernest H., and Shea.
Shea, Richard F., Fairfield, Conn., assignor to General Electric Company. Bilateral clipper circuit. 2,497,693, Feb. 14.
Shea, Robert P., North Hollywood, assignor to E. Furer, Burbank, Calif. Antifriction mount. 2,523,396, Sept. 26.
Shea, Robert P., North Hollywood, and O. H. Jarosch, L. G. Dunn, and C. D. Love, Los Angeles; said Shea and said Jarosch assignors to E. Furer, Burbank, Calif. Optical printer with automatic electrical control of operating mechanism. 2,517,250, Aug. 1.
Sheaffer, Edwin K., Carrington, N. Dak. Demountable wheel. 2,524,482, Oct. 3.
Shealey, Harry M., Hagerstown, Md. Drop side for folding cribs. 2,524,483, Oct. 3.
Shearer, David M., San Antonio, Tex. Mold for casting revetment mat sections. 2,499,532, Mar. 7.
Shearer, David M., San Antonio, Tex. Revetment. 2,502,757, Apr. 4.
Shearer, David M., San Antonio, Tex. Molding concrete revetment mat units. 2,505,152, Apr. 25.
Shearer, Howard E., Swarthmore, and A. R. Martin, Springfield, Pa., assignors to American Viscose Corporation, Wilmington, Del. Molded objects. 2,535,373, Dec. 26.
Shearer, Peter, Phoenix, Ariz. Lawn trimmer. 2,500,434, Mar. 14.
Shearer, Robert E., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Selenium rectifier. 2,510,322, June 6.
Shearer, William A.: *See*—
Brenner, Ray A., Lenox, Shearer, Van Buskirk, and Watkins.
Sheasley, Clayton T., assignee: *See*—
Sproat, Arleigh C.
Sheavyn, Geoffrey W. I.: *See*—
Fisher, James W., Wheatley, and Sheavyn.
Shechter, Leon, East Orange, and J. M. Whelan, Jr., Lyndhurst, N. J., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Ketene-aldehyde modified oils. 2,534,306, Dec. 19.
Shechter, Leon, East Orange, and J. M. Whelan, Jr., Lyndhurst, N. J., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Ketene-aldehyde modified alkyd mixed esters. 2,534,307, Dec. 19.
Shechter, Leon, East Orange, and J. M. Whelan, Jr., Lyndhurst, N. J., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Rosin-containing mixed esters. 2,534,308, Dec. 19.
Shedd-Bartush Foods, Inc., assignee: *See*—
Conser, Hugh F.
Shedlock, Michael J., Detroit, Mich. Reel. 2,514,144, July 4.
Sheehan, John C., Arlington Heights, Mass., R. Mozingo, Elizabeth, K. Folkers, Plainfield, and M. Tishler, assignors to Merck & Co., Inc., Rahway, N. J. N-acyl penicillamines and preparation thereof. 2,496,416, Feb. 7.
Sheehan, John C., Arlington Heights, Mass., R. Mozingo, Elizabeth, K. Folkers, Plainfield, and M. Tishler, assignors to Merck & Co., Inc., Rahway, N. J. Preparation of 2-methyl-4-isopropylidene-5(4)-oxazolone. 2,496,417, Feb. 7.
Sheehy, Joseph J., Downey, Ill. Insect electrocution trap. 2,516,264, July 25.

Sheets, Donald G.: *See*—
Kyrides, Lucas P., and Sheets.
Sheets, Jack H., and M. E. Cushman, Verona, N. J., assignors to Curtiss-Wright Corporation. Propeller blade and assembling a bearing thereon. 2,499,837, Mar. 7.
Sheets, Lowell H.: *See*—
Kelling, Leroy U. C., and Sheets.
Sheetz, William A.: *See*—
Brothers, Leonard C., and Sheetz.
Sheffer, Irving H., Traverse City, Mich. Feed collet. 2,521,099, Sept. 5.
Sheffield Corporation, The, assignee: *See*—
Aller, Willis F.
Polk, Louis F.
Sheffield, Donald H., assignor to Hercules Powder Company, Wilmington, Del. Composition for internal-combustion engines. 2,534,309, Dec. 19.
Sheffield, George H., Wooster, Tex. Device for measuring mechanical forces in terms of a fluid pressure. 2,517,038, Aug. 1.
Sheidler, Robert G., assignor to The Tappan Stove Company, Mansfield, Ohio. Electrical heating element for ovens. 2,494,903, Jan. 17.
Sheidler, Robert G., assignor to The Tappan Stove Company, Mansfield, Ohio. Control unit for indicators of cooking ranges. 2,494,904, Jan. 17.
Sheie, Robert S.: *See*—
Killingsworth, Robert B., and Sheie.
Sheinman, Harry, Laurelton, N. Y. Curtain construction. 2,535,238, Dec. 26.
Sheker, James W., Fort Dodge, Iowa. Vacuum cleaner support. 2,506,897, May 9.
Shelby Spring Hinge Co., The, assignee: *See*—
Hubbs, Henry E.
Shelden, Everett E.: *See*—
Porter, Donald A., and Shelden.
Sheldon, Edward E., New York, N. Y. Tube with composite photocathode for conversion and intensification of X-ray images. 2,525,832, Oct. 17.
Sheldon, Fred R.: *See*—
McEwen, Robert L., and Sheldon.
Sheldon, Harold S., Tekoa, Wash. Hammer tool. 2,501,542, Mar. 21.
Sheldon, John G., assignee: *See*—
Letson, William A.
Sheldon, Lloyd E., Saguache, Colo. Child's feeding tray. 2,530,736, Nov. 21.
Sheldon, Malcolm H., New York, N. Y. Runway lighting control. 2,509,018. May 23.
Sheldon, Stewart L., assignor of fifty per cent to G. F. Waite, Dayton, Ohio. Display sign. 2,514,808, July 11.
Sheldon, Walter H., assignor to Michigan State Board of Agriculture, East Lansing, Mich. Self-cleaning drinking bowl for animals. 2,513,753, July 4.
Sheldon, William M., Elizabeth, assignor to Pulverizing Machinery Company, Summit, N. J. Overlapping blow ring for filters. 2,511,817, June 13.
Sheley, Wayne H.: *See*—
Wirt, John R., and Sheley.
Sheley, Wayne H., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Coil winding machine. 2,531,534, Nov. 28.
Shell Development Company, assignee: *See*—
Adelson, David E.
Adelson, David E., and Dannenberg.
Adelson, David E., and Evans.
Adelson, David E., and Gray, Jr.
Archibald, Raymond C., and Eggertsen.
Archibald, Raymond C., and Trimble.
Ballard, Seaver A., and Geyer.
Ballard, Seaver A., and Morris.
Ballard, Seaver A., Finch, and Peterson.
Ballard, Seaver A., Geyer, and Mortimer.
Ballard, Seaver A., Morris, and Van Winkle.
Barnett, Benjamin.
Barter, Cyril.
Becker, Lawrence C.
Bergsteinsson, Ingolfur, Evans, and Scheibli.
Bishop, Eugene T., and Sullivan.
Bondi, Arnold A.
Borus, Ben, and Martin.
Bradley, Theodore F.
Breukel, Stephanus J. H.
Buis, Martinus.
Carlson, George J.
Caron, John B. R., Wies, and Glendenning.
Cheney, Harry A.
Cleveland, Donald L., Hatton, and Montgomery.
Cole, Robert M.
Condo, Fred E., and Schroeder.
Crake, Wilfred S.
Cunningham, John P.
Dammers, Hendrik F.
David, Werner.
Davidson, Donald D.
Dawson, Reginald D.
Deming, Philip H.
De Nie, Willem L. J.
De Nie, Willem L. J., and Meyer.
De Nie, Willem L. J., and Rumscheidt.
Detling, Kenneth D.
Dierick, Gerarda F. E. M.
Dunn, Clarence L.
Ellers, Herman, Overhoff, and Vlugter.

Shell Development Company, assignee: *See*—Continued.
Elam, Daniel W., Morris, and Van Winkle.
Eltenton, George C., and Fallgatter.
Engel, Willem F.
Engel, Willem F., and Hoog.
Evans, Theodore W., Adelson, and Whitehill.
Evans, Theodore W., and Whetstone.
Ewell, Robert B.
Fetterly, Lloyd C.
Finch, Harry de V., and Peterson.
Francis, Charles E., and Jones.
Garner, Philip J., and Watson.
Garner, Philip J., Goldsbrough, and Buyers.
Geyer, Bradford P., and Ballard.
Geyer, Bradford P., and Mortimer.
Gilbert, Walton E.
Goren, Mayer B., and Adelson.
Griffin, John R., Jr., and Van Ess.
Handlos, Arthur E., and Pierotti.
Harlan, James T., Jr.
Harman, Denham.
Harman, Denham, and Smith.
Harman, Denham, and Sommer.
Harman, Denham, and Vaughan.
Hartstra, Lenze, Bakker and van Westen.
Hatch, Lewis F., and Evans.
Haury, Vernon E.
Haury, Vernon E., and Ballard.
Hearne, George W., and Buls.
Hearne, George W., and Schwarzer.
Hearne, George W., Yale, and Hoff.
Hoog, Han, Engel, and Koome.
Houtman, Johannes P. W., and Schuit.
Jansen, Hendrik C., and Barritt.
Janssen, Hendrik J. J.
Johnson, Arnold L., Carlson, and Biasca.
Johnson, Ava J.
Kinney, Wesley R., and Vandeveer.
Kolvoort, Egbert C. H., and Akkerman.
Kunreuther, Frederick, and Trainer.
Laceulle, Clement R. J.
Lehr, Paul E.
Luten, Daniel B., Jr., and De Benedictis.
Luten, Daniel B., Jr., and Good.
Luten, Daniel B., Jr., Hedberg, and De Benedictis.
Manning, Earl, Jr.
Martin, Arthur E.
Max, Nicolaas.
McAllister, Sumner H., and Bullard.
McMillan, Frank M.
McMillan, Frank M., and Sommer.
Mitchell, Lloyd J., and Sommer.
Mitchell, Reginald G., Tait, Gilbert, and David.
Morris, Rupert, C., and Snider.
Morris, Rupert C., and Van Winkle.
Murphy, James P., and McKinney.
Naps, Marguerite.
Nixon, Alan C., Deal, and Evans.
Overhoff, Johan, and Huyser.
Penfield, Charles S.
Perry, Norman E.
Phillips, Chandler A.
Pierotti, Gino J.
Pierotti, Gino J., Anderson, and Souders, Jr.
Pierotti, Gino J., Handlos, and Reider.
Pierotti, Gino J., Wilson, and Anderson.
Purcell, Glenn, and Hausch.
Rampino, Louis D.
Reman, Gerrit H.
Roberts, Richard M., Eggertsen, and Greensfelder.
Ross, William E., and Pezzaglia.
Rust, Frederick F., and Dickey.
Rust, Frederick F., Stiles, and Vaughan.
Rust, Frederick F., Vaughan, and Seubold.
Rust, Frederick F., Vaughan, and Wheatcroft.
Sartor, Albin F.
Schaerer, August A.
Schaerer, August A., and Arabian.
Schiermeier, Knapel F.
Schiermeier, Knapel F., and Heinz.
Schiermeier, Knapel F., and Poitz.
Schuurman, Johannes A.
Shiras, Russell N.
Smith, Curtis W.
Smith, Curtis W., and Ballard.
Smith, Curtis W., Norton, and Ballard.
Stanly, Albert L.
Stillinger, Ralph G.
Strand, Carl P.
'T Hart, Marius, Hoog, and Weeda.
Thurston, William H.
Tadema, Harco J.
Te Nuyl, Johannes A.
van Andel, Eleonoor E.
Van den Bussche, Hendrik K. J.
Van Dijck, Willem J. D.
Vaughan, William E., and Harman.
Vaughan, William E., and Rust.
Voge, Hervey H., Good and Greensfelder.
Von Fuchs, George H., and Wilson.
Wachter, Aaron, and Stillman.
Walters, Ernest L., and Sipple.
Watson, Forrest J., and Morris.

Shell Development Company, assignee: *See*—Continued.
Whetstone, Richard R.
Whetstone, Richard R., Ballard, and Ott.
Wies, Calmy, Caron, and Glendenning.
Wiles, Quentin T.
Wiles, Quentin T., and Newey.
Willoughby, Richard B.
Wilson, Joseph G., and Wist.
Wolff, Harold I.

Shell, Ernest F., Erie, Pa., assignor to General Electric Company. Motor reversing arrangement. 2,525,462, Oct. 10.

Shelley, Robert J., Miami, Fla. Beverage tray. 2,525,243, Oct. 10.

Shelley, Starr W., assignor to L & S Manufacturing Co., Charlotte, N. C. Moving comb type cotton harvester. 2,530,405, Nov. 21.

Shelley, Thomas H.: *See*—
Kehe, Henry J., and Shelley.

Shellmar Products Corporation, assignee: *See*—
Allard, Frederic P.
Cox, John W.
De Swart, Jan.
Green, Lawrence B.
Piazze, Thomas E.
Rigby, Wallace J., and Baxter.
Shrontz, Don C.
Southwick, Charles A., Jr.
Zehr, William J.

Shelor, Olie W., Salem, Va., assignor of forty-nine per cent to Furman Whitescarver. Garden tractor. 2,512,443, June 20.

Shelton, Edgar G., Ponca City, Okla. Self-perforating ink container. 2,501,102, Mar. 21.

Shelton, Edward E., assignor to A. C. Cossor Limited, London, England. Electron discharge device. 2,524,606, Oct. 3.

Shelton, Francis K.: *See*—
Stahl, John C., and Shelton.

Shelton, Francis K., Boulder City, Nev., assignor to the United States of America as represented by the Secretary of the Interior. Ore separation. 2,508,427, May 23.

Shelton, Hannah C., New York, N. Y., assignor of one-tenth to E. J. De Mello. Undergarment. 2,503,357, Apr. 11.

Shelton, Hannah C., New York, N. Y., assignor of one-tenth to E. J. De Mello. Combination undergarment. 2,503,690, Apr. 11.

Shelton, Harry J., University City, assignor to Gruendler Crusher & Pulverizer Co., St. Louis, Mo. Toggle block adjusting device for jaw crushers. 2,532,678, Dec. 5.

Shelton, Ralph, Chatham, Va. Tobacco planter. 2,514,522, July 11.

Shelton, Robert S.: *See*—
Bost, Ralph W., and Shelton.
Van Dolah, Robert W., Christenson, and Shelton.

Shelton, Robert S., Mariemont, and K. W. Wheeler, Wyoming, Ohio, assignors to The Wm. S. Merrell Company. Composition of matter. 2,493,090, Jan. 3.

Shenefelt, William E., Irwin, Pa. Tilt indicating attachment for machine heads. 2,498,460, Feb. 21.

Shenk, Eugene R.: *See*—
Thomas, Lewis A., Spencer, and Shenk.

Shenk, Eugene R., Brooklyn, and A. Liguori, New York, N. Y., assignors to Radio Corporation of America. Modulation conversion system. 2,505,368, Apr. 25.

Shenk, Eugene R., and J. R. Weiner, Brooklyn, N. Y., assignors to Radio Corporation of America. Locking circuit with double signal control. 2,513,525, July 4.

Shenk, Eugene R., Fairlawn, and J. C. Phelps, Woodcliff Lake, N. J., assignors to Radio Corporation of America. Automatic code signal discriminating device. 2,534,388, Dec. 19.

Shenk, Robert H., assignor to American Flexible Coupling Company, Erie, Pa. Shaft coupling. 2,513,684, July 4.

Shenk, Wilbur J., assignor to The Harshaw Chemical Company, Cleveland, Ohio. Manufacture of silver mono-fluoride. 2,526,584, Oct. 17.

Shenk, Wilbur J., Jr., and G. R. Pellon, assignors to The Harshaw Chemical Company, Cleveland, Ohio. Purification of anhydrous hydrogen fluoride. 2,526,585, Oct. 17.

Shenton, Francis G.: *See*—
Mather, John C., and Shenton.

Shepard, Alvin F.: *See*—
Searer, Jay C., Shepard, and Less.
Sherman, Albert, Forest Hills, and R. Gottlieb, Arverne, said Sherman assignor to H. W. Pfahler, Forest Hills, N. Y. Milling tool. 2,527,968, Oct. 31.

Shepard, Alvin F., Tonawanda Township, Erie County, and J. F. Boiney, Tonawanda, assignors to Durez Plastics and Chemicals, Inc., North Tonawanda, N. Y. Rubber-phenolic resin composition. 2,532,374, Dec. 5.

Shepard, Ann, assignee: *See*—
Shepard, Kelvin K.

Shepard, Billy R., Schenectady, N. Y., assignor to General Electric Company. Visual alignment signal generator. 2,522,239, Sept. 12.

Shepard, Edwin R.: *See*—
Schonle, Horace A., and Shepard.

Shepard, Francis H., Jr., Madison, N. J., assignor, by mesne assignments, to Remco Electronic, Inc., New York, N. Y. Electronic amplifier for servo devices. 2,497,962, Feb. 21.

Shepard, Francis H., Jr., Madison, N. J., assignor to Remco Electronic, Inc., New York, N. Y. Pulse transmitting system. 2,508,895, May 23.

Shepard, Francis H., Jr., Madison, N. J., assignor, by mesne assignments, to Remco Electronic, Inc., New York, N. Y. Peak-to-peak detector. 2,519,295, Aug. 15.

Shepard, Kelvin K., assignor of one-half to A. B. Crist and one-fifth to A. Shepard, also known as O. A. Shepard, Los Angeles, Calif. Wheel balancer. 2,502,633, Apr. 4.

Shepard, Kelvin K., Los Angeles, assignor to W. A. Howard, San Gabriel, Calif. Spring pressed center pin for lathes. 2,520,473, Aug. 29.

Shepard, Olga A., assignee: *See*—
Shepard, Kelvin K.

Shepard, Randall H., Valparaiso, Ind., assignor to Continental-Diamond Fibre Company, Newark, Del. Mica product and making the same. 2,493,694, Jan. 3.

Shepard, Robert O., Chesterland, and H. K. Hutchinson, Willoughby, Ohio. Attachment for mounting rotatable tools to a tractor and for operating the tools by the tractor motor. 2,498,138, Feb. 21.

Shepelevich, Samuel A., New York, N. Y. Bifocal elevation attachment. 2,512,508, June 20.

Shepelrich, Anton, Sayville, N. Y. Oil driven turbine motor vehicle wheel. 2,529,787, Nov. 14.

Sheperdson, John W., and J. M. O'Malley, assignors to Morgan Construction Company, Worcester, Mass. Vertical rolling mill. 2,513,058, June 27.

Shephard, James A., Wickford, R. I. Cam forming attachment. 2,507,547, May 16.

Shepherd, Allan D.: *See*—
Graham, Robert P., and Shepherd.

Shepherd, Harold F., and C. W. Areson, Springfield, Ohio, assignors to The National Supply Company, Pittsburgh, Pa. Gas fuel mixer for internal-combustion engines. 2,505,725, Apr. 25.

Shepherd, James E., and R. F. Mozley, Hempstead, N. Y., assignors to The Sperry Corporation. Damped shock excited variable width pulse gate generator. 2,495,780, Jan. 31.

Shepherd, Judson O'D., Atlanta, Ga. Sound recorder and reproducer. 2,497,142, Feb. 14.

Shepherd, Judson O'D., Atlanta, Ga. Data recording system employing record controlled apparatus. 2,513,112, June 27.

Shepherd, Judson, O'D., Atlanta, Ga., assignor to American Telephone and Telegraph Company. Recording telephone system. 2,522,000, Sept. 12.

Shepherd, Robert G., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Iodinating amino pyrimidines and amino pyridines. 2,521,544, Sept. 5.

Shepherd, William G., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Thermally tunable cavity resonator electron discharge device. 2,513,371, July 4.

Shepherd, William G., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge device. 2,521,545, Sept. 5.

Sheppard, Charles B., Cheltenham, Pa., assignor to Hazeltine Research, Inc., Chicago, Ill. Arrangement for comparing electrical characteristics. 2,532,736, Dec. 5.

Sheppard, Edward A., and B. W. Glover, assignors to Westinghouse Brake and Signal Company Limited, London, England. Manufacture of alternating electric current rectifiers. 2,531,535, Nov. 28.

Sheppard, Raymond, Niskayuna, N. Y., assignor to General Electric Company. Emergency shutoff device. 2,497,695, Feb. 14.

Sheppard, Richard H., Hanover, Pa. Cylinder head. 2,510,484, June 6.

Sheppard, Walter G., assignee: *See*—
Moore, George H.

Sheppard, William L., Royal Oak, Mich., assignor to Borg-Warner Corporation, Chicago, Ill. Transmission gearing. 2,495,988, Jan. 31.

Sheppard, William L., Royal Oak, Mich., assignor to Borg-Warner Corporation, Chicago, Ill. Transmission gearing. 2,498,828, Feb. 28.

Sheppard, William V., Rainworth, near Mansfield, England. Coal cutting machine. 2,504,598, Apr. 18.

Sher, David B.: *See*—
Block, Jacob B., Sher and H. G. Block.

Sherard, David S., Jackson, Miss. Ventilating apparatus. 2,503,421, Apr. 11.

Sheras, Bernard E., assignee: *See*—
Godfrey, Paul S.

Sherban, Daniel V., Keyport, assignor to The Babcock & Wilcox Company, Rockleigh, N. J. Fuel handling and firing system. 2,511,017, June 13.

Sherbondy, Earl H., assignor to Gridiron Steel Company, Cleveland, Ohio. Radial bearing. 2,498,011, Feb. 21.

Sherbondy, William A., Shaker Heights, Ohio. Dispensing device for calking material and the like. 2,499,610, Mar. 7.

Sherbondy, William A., Shaker Heights, Ohio. Dispensing device for calking material and the like. 2,512,178, June 20.

Sherbrook, Clarence H., and L. F. Nolley, Flint, Mich. Safety lowering device. 2,502,896, Apr. 4.
Sheren Fire Equipment Company: *See*—
Sheren, Glen W.
Sheren, Glenn W., Lansing, assignor to G. W. Sheren, N. C. Dart, and L. Robinson, doing business as Sheren Fire Equipment Company, Mason, Mich. Fire hose end strainer. 2,503,455, Apr. 11.
Sherer, Brice W., Kismet, Kans. Cart. 2,497,240, Feb. 14.
Sherer, Chester C., J. M. Koontz, and R. H. Hoefler, assignors to The National Cash Register Company, Dayton, Ohio. Hydrostatic pressure testing apparatus. 2,532,954, Dec. 5.
Sheridan, Henry M., Erie, Pa., assignor to Apex Tool & Cutter Company, Shelton, Conn. Tool bit and holder therefor. 2,500,387, Mar. 14.
Sheridan, Henry M., Erie, Pa., assignor to Apex Tool & Cutter Company, Shelton, Conn. Cutting tool. 2,501,293, Mar. 21.
Sheridan, T. W. & C. B., Company, assignee: *See*—
Kleineberg, Paul E.
Sherlock, John E., assignor to The British Thermostat Company Limited, Sunbury-on-Thames, England. Control thermostat for gas heating devices. 2,502,283, Mar. 28.
Sherman, Alvin G., Grosse Pointe Park, Mich., assignor to Globe American Corporation, Kokomo, Ind. Cooking stove. 2,520,816, Aug. 29.
Sherman, Benjamin H., assignee: *See*—
Snyder, Leland H., and Yost.
Sherman, Donald W., Denver, Colo. Jacket for reading in bed. 2,523,636, Sept. 26.
Sherman, Edward A., Washington, D. C. Auxiliary table top. 2,529,051, Nov. 7.
Sherman, Felix, Glassport, Pa. Bracket for signal lanterns. 2,535,962, Dec. 26.
Sherman, George B., trustee: *See*—
Clark, Hubert M.
Sherman, H. B., Manufacturing Company, assignee: *See*—
Doerr, Raymond S.
Sherman, Harry, Laurelton, N. Y. Pleating of draperies. 2,520,787, Aug. 29.
Sherman, Herbert P., Chicago, Ill. Inking pad. 2,510,838, June 6.
Sherman Industries, Inc., assignee: *See*—
Clark, Hubert M.
Humes, Lawrence W., and Clark.
Sherman, Lela M., Dewey, Ill. Gauge for angular measurements. 2,501,745, Mar. 28.
Sherman, Lewis, Horseheads, N. Y. Compressor for jet propelling apparatus. 2,494,635, Jan. 17.
Sherman, Monroe, assignee: *See*—
Goody, Robert B.
Sherman, Otis R., New York, and S. Jacovelli, Brooklyn, N. Y. Automatic sludge drain for airbrake systems. 2,535,760, Dec. 26.
Sherman Products, Inc., assignee: *See*—
Clark, Hubert M.
Sherman, Ralph, Warren, Ohio. Maintenance of conductivity in electrical systems. 2,528,558, Nov. 7.
Sherman, Raymond G.: *See*—
Conklin, Alfred A. and Sherman.
Sherman, Sidney L.: *See*—
Severson, Alfred L., and Sherman.
Sherman, Tracy H., South Nyack, assignor to Foster Wheeler Corporation, New York, N. Y. Heater. 2,498,717, Feb. 28.
Sherman, Wilbur G., San Diego, Calif. Pneumatic bottle shooting gun. 2,525,082, Oct. 10.
Sherr, Sava I., assignor to S. Briskman, New York, N. Y. Milling head. 2,534,882, Dec. 19.
Sherrard, Elwin W., Lincoln, Nebr. Illuminated toggle switch. 2,512,975, June 27.
Sherriff-Goslin Co., assignee: *See*—
Goslin, Herbert G.
Sherrill, Robert P., Los Angeles, Calif. Driver's safety door lock. 2,507,822, May 16.
Sherrill, Sloan S., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for continuously making vulcanized articles. 2,509,699, May 30.
Sherron Metallic Corporation, assignee: *See*—
Scheiner, Martin L.
Sherrow, Sayle, Middleboro, Ind. Attachment for lawn mowers. 2,494,062, Jan. 10.
Sherry, Leo J., West Los Angeles, Calif. Filter and sunshade support for cameras. 2,497,018, Feb. 7.
Sherry, Leo J., West Los Angeles, Calif. Adjustable mount for photographic lens accessories. 2,523,067, Sept. 19.
Sherwin, Chalmers W.: *See*—
Haworth, Leland J., Lee, and Sherwin.
Sherwin, Chalmers W., Belmont, and R. E. Meagher, Watertown, Mass., assignors, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Control for plan position indicator. 2,512,779, June 27.
Sherwin, Chalmers W., Belmont, and H. A. Straus, Brookline, Mass., assignors, by mesne assignments, to the United States of America as represented by the Secretary of War. Electrical apparatus. 2,532,576, Dec. 5.
Sherwin, Frank, and A. A. Benson, Washington, D. C. Shoe molded to shape of foot. 2,530,737, Nov. 21.
Sherwin, Frederick S., Fairlawn, N. J., assignor to Wright Aeronautical Corporation. Fin peening tool. 2,503,001, Apr. 4.
Sherwin-Williams Co., The, assignee: *See*—
Clark, Edward M., and Ledecq.
Coffey, Charles A., and Walton.
Coffey, Charles A., Walton, and Britan.
Cottrell, Jack A. Hewitt, and Armitage.
Cryer, John, Owens and Lee.
Einbecker, Henry B.
Hammond, Wallace T. C.
Keyl, Alexander C.
Marienthal, Paul.
O'Neal, Grady M.
Pascal, Michael W.
Quayle, Le Roy A.
Saunders, Harold F.
Saunders, Harold F., and Larson.
Thynne, Arthur W. F., and Hewitt.
Sherwood, Donnelle W., Seattle, Wash., assignor to the United States of America as represented by the United States Atomic Energy Commission. Leak testing device. 2,507,321, May 9.
Sherwood, Fred W., Edinburg, Maine. Ornamental lamp for vehicles. 2,525,001, Oct. 10.
Sherwood, Glenn L., Benton Harbor, Mich. Venetian blind construction. 2,529,229, Nov. 7.
Sherwood, Harry O.: *See*—
Kirk, Miles W., and Sherwood.
Sherwood, Jerry J.: *See*—
Smerechniak, Jerry J., and Barlow.
Sherwood, John R., Cedar Rapids, and K. L. Klippel, Iowa City, assignors to Collins Radio Company, Cedar Rapids, Iowa. Modulation protective arrangement. 2,534,073, Dec. 12.
Sherwood, Mather W., assignor to Goodman Manufacturing Company, Chicago, Ill. Mechanical shoveling machine. 2,507,548, May 16.
Sherwood, Perley A., Camden, N. J. Photographic slide viewer and projector. 2,529,052, Nov. 7.
Sherwood, Thomas K., Wellesley Hills, Mass., assignor to Servel, Inc., New York, N. Y. Air conditioning. 2,515,319, July 18.
Sherwood, Walter, Hempstead, N. Y., assignor to The Farmingdale Corporation. Lead gauge. 2,496,314, Feb. 7.
Sheusner, John H.: *See*—
Burks, George E., and Sheusner.
Sheward, Isaac E., Youngstown, Ohio. Triple-action blast furnace gas washer. 2,507,821, May 16.
Shewbridge, James T.: *See*—
Ott, Lawrence H., and Shewbridge.
Shibe, William J., Jr., Andalusia, Pa. Protein extraction. 2,516,531, July 25.
Shibles, William M., Seattle, Wash. Speed changing mechanism. 2,511,548, June 13.
Shiel, John B.: *See*—
Robb, Theodore D., and Shiel.
Shield, Robert W., Chicago, Ill. Hair treating apparatus. 2,510,664, June 6.
Shields, Albert F., Forest Hills, assignor to S. & S. Corrugated Paper Machinery Co., Inc., Brooklyn, N. Y. Carton blank folding machine. 2,517,449, Aug. 1.
Shields, Bartis M., Madera, Calif. Canteen for saddles. 2,504,738, Apr. 18.
Shields, Charles B., Penn Township, Allegheny County, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,520,858, Aug. 29.
Shields, Clyde, Stockton, assignor to Combined Metals Reduction Company, Salt Lake City, Utah. Charging receptacle for electric storage battery locomotives. 2,520,970, Sept. 5.
Shields, Frank R.: *See*—
Wilhoite, Charles B., and Shields.
Shields, John: *See*—
La Rosa, Vincent S., Shields, and Bernier.
Shields, John C., assignor of one-half to V. P. Shields, Chicago, Ill. Educational toy. 2,496,498, Feb. 7.
Shields, Stanley R., and G. J. Keller, said Keller assignor to M. H. Strange, Salt Lake City, Utah. Fishhook. 2,526,288, Oct. 17.
Shields, Verna P., assignee: *See*—
Shields, John C.
Shields, Walter A., Jamaica, N. Y. Apparatus for sealing tubular glass articles. 2,529,109, Nov. 7.
Shields, William D., Sewickley, assignor to Voss Engineering Company, Pittsburgh, Pa. Metal cutting machine. 2,501,855, Mar. 28.
Shields, Willie A., Birmingham, Ala. Marble shooter. 2,499,883, Mar. 7.
Shiew, William C.: *See*—
Thorpe, Edward C., and Shiew.
Shill, Sidney C., Los Angeles, Calif. Piano. 2,495,427, Jan. 24.
Shillman, Nathan H., Baltimore, Md. Tape construction. 2,497,471, Feb. 14.
Shillman, Nathan H., Baltimore, Md. Tape casing. 2,505,653, Apr. 25.
Shimek, Edwin J., Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Seismograph gain control system. 2,495,390, Jan. 24.

Shimer, F. A., assignee: *See*—
Bennett, Donald R., Pat, and Young.
Shimp, William B., Columbus, Ohio. Life saving net. 2,533,520, Dec. 12.
Shingler, Dean S.: *See*—
Anderson, William H., and Shingler.
Shinkle, Edward M., San Francisco, Calif. Fuse for hand grenades. 2,512,179, June 20.
Shipley, Calvin W., Muster, Ind., and H. C. Van Eck, Chicago, Ill., assignors to O. F. Jordan Company, East Chicago, Ind. Snow sweeper railway car. 2,516,600, July 25.
Shipley, Hardwick P., Falls Church, Va. Anchor. 2,496,315, Feb. 7.
Shipley, Robert C., Kalamazoo, Mich. Container with spring latch closure. 2,493,901, Jan. 10.
Shipley, Robert E., assignor to Eli Lilly and Company, Indianapolis, Ind. Animal holder. 2,498,051, Feb. 21.
Shipman, John D., Jr.: *See*—
Perlow, Gilbert J., Shipman, and Schroeder.
Shipper's Ice Company, assignee: *See*—
Norris, David P.
Shippey, Melvin W., Tabor, Iowa. Power mower grass raiser. 2,531,081, Nov. 21.
Shippy, Emmett: *See*—
Steininger, Hugh, and Shippy.
Shippy, Leo C., and E. H. Sy, Lockport, N. Y., assignors to General Motors Corporation, Detroit, Mich. Trimming machine. 2,526,163, Oct. 17.
Shiras, Russell N., Oakland, assignor to Shell Development Company, San Francisco, Calif. Absorption process. 2,497,421, Feb. 14.
Shirk, Robert M., assignor to Houdry Process Corporation, Wilmington, Del. Catalytic conversion of hydrocarbon. 2,526,701, Oct. 24.
Shirlen, Lawrence M.: *See*—
Hildebrand, Samuel B., and Shirlen.
Shirtcraft Co., Inc., The, assignee: *See*—
Kaplan, Morris L.
Shirley, Paul S.: *See*—
Morain, Willard A., and Shirley.
Shive, Scott L., Detroit, Mich., assignor to the United States of America as represented by the Secretary of War. Conduit tester. 2,519,407, Aug. 22.
Shively, Franklin L., Dayton, Ohio. Locking mechanism for folding back rests. 2,523,452, Sept. 26.
Shively, John J., New York, N. Y., assignor, by mesne assignments, to R. C. Tripp. Selective relay. 2,517,450, Aug. 1.
Shively, Roy H., Scranton, Pa. Auxiliary air admission device for internal-combustion engines. 2,518,082, Aug. 8.
Shively, Roy H., Scranton, Pa. Brake operating and adjusting mechanism. 2,522,903, Sept. 19.
Shiver, Henry E., Spartanburg, S. C., assignor to The Quaker Oats Company, Chicago, Ill. Pentosan and feed concentrates from cotton seed hulls. 2,500,435, Mar. 14.
Shivers, Paul F., Edina, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Gravity sensitive variable inductance device. 2,515,969, July 18.
Shlefstein, Abram, assignee: *See*—
Goodheart, Jack.
Shlenker, Charles N., New York, assignor, by mesne assignments, to Edwin A. Neugass, Port Chester, N. Y. Instrument panel. 2,518,726, Aug. 15.
Shmidl, Albert J., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Herbicidal composition. 2,510,839, June 6.
Shmidl, Albert J., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Purification of petroleum phenols. 2,523,154, Sept. 19.
Shmidl, Albert J., Greens Bayou Park, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Reaction of alkyl cycloparaffins with unsaturated fatty acid. 2,534,074, Dec. 12.
Shmikler, Joseph, Champaign, Ill. Making improved hand coverings. 2,525,378, Oct. 10.
Shoaf, Floyd R.: *See*—
Dameron, Douglas P., and Shoaf.
Shobe, Agnes, Bismarck, N. Dak. Floor drain for toilet fixtures. 2,499,115, Feb. 28.
Shobe, Chester L., Great Bend, Kans. Jar vise. 2,498,185, Feb. 21.
Shobe, Chester L., Great Bend, Kans. Flush valve bracket. 2,502,065, Mar. 28.
Shober, Frank W., Pelham, N. Y. Make-ready gauge using simulated printing pressure. 2,520,474, Aug. 29.
Shobert, Erle I., II, assignor to Stackpole Carbon Company, St. Marys, Pa. Composite brush and making it. 2,521,610, Sept. 5.
Shockey, Glen, Chicago, Ill. Autograph scroll. 2,497,019, Feb. 7.
Shockey, Joseph S., Kansas City, Mo. Spectacle endpiece. 2,505,995, May 2.
Shockley, William: *See*—
Pearson, Gerald L., and Shockley.
Shockley, William, Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Semiconductor amplifier. 2,502,488, Apr. 4.
Shockley, William, Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Differential altimeter. 2,509,889, May 30.
Shoemaker, Austin D., assignor of one-half to T. J. Cyr, Yakima, Wash. Slidable-jaw nut and screw operated wrench. 2,503,515, Apr. 11.
Shoemaker, Bernard H.: *See*—
Lien, Arthur P., Evering, and Shoemaker.
Proell, Wayne A., and Shoemaker.
Shoemaker, Bernard H., Hammond, Ind., and B. L. Evering, assignors to Standard Oil Company, Chicago, Ill. Isomerization of light hydrocarbons. 2,504,280, Apr. 18.
Shoemaker, Charles H., Glendale, Calif. Accessory for flown kites. 2,535,165, Dec. 26.
Shoemaker, Edwin J.: *See*—
Knabusch, Edward M., and Shoemaker.
Shoemaker, James M., Nichols, assignor to United Aircraft Corporation, East Hartford, Conn. Hydraulic power booster for aircraft surface control. 2,515,475, July 18.
Shoemaker, John H., assignee: *See*—
Webster, Hugh G., and Shoemaker.
Shoemaker, John M., Sr., Middletown, Ind. Universal dental capsule filler for use by the dental profession. 2,534,630, Dec. 19.
Shoemaker, Malcolm G., Doylestown, assignor to Philco Corporation, Philadelphia, Pa. Charging apparatus. 2,499,170. Feb. 28.
Shoemaker, Malcolm G., Doylestown, assignor to Philco Corporation, Philadelphia, Pa. Dehydration of refrigeration systems. 2,509,787, May 30.
Shoemaker, Richard G., Sharon Hill, Pa. Drinking spout for water outlets. 2,533,636, Dec. 12.
Shoemaker, Robert C., assignor to Hyster Company, Portland, Oreg. Vehicle mounted crane with load lifting accessory. 2,506,242, May 2.
Shomer, John E., Jr.: *See*—
Arndt, John P., Jr., and Shomer.
Shonkwiler, Francis P.: *See*—
Hyde, Collin, and Shonkwiler.
Shonle, Horace A., Indianapolis, and E. R. Shepard, Beech Groove, assignors to Eli Lilly and Company, Indianapolis, Ind. Imidazolium compounds. 2,493,318, Jan. 3.
Shonle, Horace A., Indianapolis, and E. R. Shepard, Beech Grove, assignors to Eli Lilly and Company, Indianapolis, Ind. Substituted imidazolium compounds. 2,493,319, Jan. 3.
Shonle, Horace A., Indianapolis, and E. R. Shepard, Beech Grove, assignors to Eli Lilly and Company, Indianapolis, Ind. Substituted dihydroimidazolium compounds. 2,493,320, Jan. 3.
Shonle, Horace A., Indianapolis, and E. R. Shepard, Beech Grove, assignors to Eli Lilly and Company, Indianapolis, Ind. Dihydroimidazolium compounds. 2,493,321, Jan. 3.
Shonle, Horace A., Indianapolis, and E. R. Shepard, Beech Grove, assignors to Eli Lilly and Company, Indianapolis, Ind. Imidazolinium compounds. 2,493,322, Jan. 3.
Shonnard, John R., assignor to Times Facsimile Corporation, New York, N. Y. Tuning fork. 2,497,143, Feb. 14.
Shonnard, John R., New York, N. Y., and J. Schauer, Cliffwood Beach, N. J., assignors to Times Facsimile Corporation, New York, N. Y. Clamping device for electron tubes and the like. 2,505,840, May 2.
Shontz, Ellsworth E., assignor to H. D. Polachek, Des Moines, Iowa. Self-contained portable ice plant. 2,528,795, Nov. 7.
Shontz, Loran A., Jr., assignor, by mesne assignments, to The Vendo Company, Kansas City, Mo. Bottled beverage vending machine. 2,512,684, June 27.
Shoobert, George W.: *See*—
Pickett, Walter J., Carington and Shoobert.
Shook, Charles H., Dayton, Ohio. Fastener. 2,527,459, Oct. 24.
Shook, Clarence R., Glenside, and P. B. Neisser, Lafeyette Hill, Pa. Liquid cooled nonferrous permanent mold casting unit. 2,521,753, Sept. 12.
Shook, Owen L., Keysville, Va. Chassis for portable machines. 2,510,424, June 6.
Shook, Richard E., assignor to The General Fireproofing Company, Youngstown, Ohio. Folding lounge chair. 2,517,039, Aug. 1.
Shook, Ross O. S., Hutchinson, Kans. Knee guard or brace. 2,532,955, Dec. 5.
Shoopman, Bertram H., Baytown, Tex., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Wiper cord fastener for stepping switches. 2,529,426, Nov. 7.
Shooter, Donald H.: *See*—
Bender, John H., and Shooter.
Shore, Frank, New York, N. Y. Combined photo copying and drying machine. 2,522,804, Sept. 19.
Shore, Lloyd G., assignor to Radiation Counter Laboratories, Inc., Chicago, Ill. Geiger counter and gas atmosphere therefor. 2,503,302, Apr. 11.
Shore, Sidney X., New York, assignor, by mesne assignments, to Philips Laboratories, Inc., Irvington-on-Hudson, N. Y. Piezoelectric crystal testing apparatus. 2,499,788, Mar. 7.
Shorey, Seth U., Oakland, Mo., and G. W. Wright, Boston, Mass., assignors to Monsanto Chemical Company, St. Louis, Mo. Gamma-valerolactone and gamma-butyrolactone as dyeing assistants for cellulose ester and ether yarns and fabrics. 2,535,098, Dec. 26.

Short, Frank, Canton Center, Conn. Optical instrument for visually comparing a surface with a selected one of a plurality of standard surfaces. 2,510,145, June 6.

Short, Graham H., Bartlesville, Okla., assignor to Phillips Petroleum Company. Catalytic desulfurization and reforming process. 2,522,065, Sept. 12.

Short. J. R., Milling Company, assignee: *See*— Renner, Herbert Otto.

Short, Joseph V., East Orange, N. J., assignor to Standard-Vacuum Oil Company. Airplane fuel servicing unit. 2,531,001, Nov. 21.

Short, Oliver A.: *See*— Galbraith, Robert, and Short.

Short, Oliver A., New York, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Glass decoration. 2,502,758, Apr. 4.

Short, Percy F.: *See*— Whitman, George L.

Short, Robert J., Wyoming, and G. M. Woodruff, assignors to The Procter & Gamble Company, Cincinnati, Ohio. Producing detergent blocks. 2,520,570, Aug. 29.

Short, Thomas T., Schenectady, N. Y. assignor to General Electric Company. Frequency regulating system. 2,501,543, Mar. 21.

Short, William S.: *See*— Sowerby, George A., and Short.

Shortell, William H., assignor to Millers Falls Company, Greenfield, Mass. Tensioning device for hacksaw blades. 2,516,079, July 18.

Shortland, Arthur, assignor to Mellor Bromley & Co. Limited, Leicester, England. Knitting machine. 2,530,790, Nov. 21.

Shottenfeld, Richard, Jamaica, and Hans Kuehl, Hollis, N. Y. Generator polarity control. 2,508,727, May 23.

Shotton, James A., Cedar Rapids, Iowa, assignor to The Firestone Tire & Rubber Company, Akron, Ohio. 1,3,6-thiadiazepine-2-thiones and their production. 2,514,219, July 4.

Shotton, James A., Cedar Rapids, Iowa, and R. A. Donia, Houghton, Mich., assignors, to The Firestone Tire & Rubber Company, Akron, Ohio. Vulcanization of rubbers by means of 2,5-di-substituted tetrahydro-1,2,5-thiadiazines. 2,514,200, July 4.

Shoub, Earle P.: *See*— Buehl, Russell C., Riott, and Shoub.

Shoucair, Sami F., Beirut, Lebanon. Electric plug. 2,505,918, May 2.

Shoup, Ransom F., Ardmore, assignor to The Shoup Voting Machine Corporation, Philadelphia, Pa. Voting machine with mechanism for group voting. 2,496,106, Jan. 31.

Shoup, Ransom F., Ardmore, assignor to The Shoup Voting Machine Corporation, Philadelphia, Pa. Safety mechanism to prevent over voting in voting machines. 2,498,380, Feb. 21.

Shoup, Ransom F., Ardmore, assignor to The Shoup Voting Machine Corporation, Philadelphia, Pa. Voting machine. 2,499,978, Mar. 7.

Shoup, Ransom F., Ardmore, assignor to The Shoup Voting Machine Corporation, Philadelphia, Pa. Recall vote requiring mechanism for voting machines. 2,519,155, Aug. 15.

Shoup, Ransom F., Ardmore, assignor to The Shoup Voting Machine Corporation, Philadelphia, Pa. Voting machine. 2,520,740, Aug. 29.

Shoup Voting Machine Corporation, The, assignee: *See*— Shoup, Ransom F.

Shoupp, William E.: *See*— Wells, William H., Stephens, Shoupp, and Haxby.

Shoupp, William E., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electron discharge device having a cavity resonator provided with a tuning electrode. 2,504,739, Apr. 18.

Shoupp, William E., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electron discharge device. 2,508,473, May 23.

Shoupp, William E., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Glass-to-metal sealing. 2,523,155, Sept. 19.

Shourt, John D., assignee: *See*— Cleary, William H.

Show, Willis E., Johnstown, Pa. Electrical circuit tester. 2,509,653, May 30.

Showalter, Herschel, Richmond, Ind. Safety mounting for outboard motors. 2,521,875, Sept. 12.

Shrader, Everett E., Ravenna, assignor of one-half to A. H. Sturges, Omaha, Nebr. Corn snapping rolls. 2,534,685, Dec. 19.

Shrader, Terry M., Indianapolis, Ind., assignor to Radio Corporation of America. Magnetic sound recording and reproducing apparatus. 2,507,385, May 9.

Shrader, Terry M., Indianapolis, Ind., assignor to Radio Corporation of America. Telegraphone. 2,526,051, Oct. 17.

Shreiner, Byron L., Evanston, Ill. Meat and fowl turner and lifter. 2,514,098, July 4.

Shreve, Clifford B., Buchanan, assignor to Tyler Fixture Corporation, Niles, Mich. Latch. 2,506,943, May 9.

Shreve, Clifford B., Buchanan, assignor to Tyler Fixture Corporation, Niles, Mich. Refrigerator defrosting device. 2,513,823, July 4.

Shreve, Clifford B., assignor to Tyler Fixture Corporation, Niles, Mich. Refrigerator defrosting mechanism. 2,522,199, Sept. 12.

Shreve, Clifford B., Buchanan, assignor to Tyler Fixture Corporation, Niles, Mich. Refrigerated shelving. 2,528,916, Nov. 7.

Shreve, William F., Milwaukee, Wis. Air conditioner and humidifier for air-heating furnaces. 2,503,002, Apr. 4.

Shrewsbury, Raymond D., Tulsa, Okla. Method of and apparatus for exploiting oil or other mineral deposits underlying submerged areas. 2,503,516, Apr. 11.

Shriro, Morris A.: *See*— Cowen, Sidney T. V., and Shriro.

Shriver, Harry G., Wichita, Kans. Dual wheel running gear and equalizer support therefor. 2,517,359, Aug. 1.

Shriver, Robert G.: *See*— Baker, Benjamin P., Shriver, and Van Sickle.

Shrontz, Don C., Mount Vernon, Ohio, assignor to Shellmar Products Corporation, Chicago, Ill. Therapeutic product. 2,501,544, Mar. 21.

Shuey, George E., Ellensburg, Wash. Automatic land leveler. 2,503,638, Apr. 11.

Shuter, Edwin, Leaside, Ontario, Canada, assignor to Duplex Walls, Inc., Daytona Beach, Fla. Concrete wall machine. 2,532,246, Nov. 28.

Shufer, Milton, assignor to Plastite Inc., New York, N. Y. Inflatable toy. 2,515,804, July 18.

Shuff, Leonard M., Hickman, Ky. Nasal filter. 2,526,586, Oct. 17.

Shufflebotham, John S.: *See*— Thomson, Thomas, and Shufflebotham.

Shuf-L-Bowl Corporation, assignee: *See*— Lynn, Frank L.

Shugar, Gershon J., Jersey City, N. J., assignor to Celanese Corporation of America. Cellulose ethers and esters plasticized with a di-(chloro-butoxy-butyl) phthalate. 2,525,961, Oct. 17.

Shuker, William, San Francisco, and H. Murray, Ross, Calif. One-way drive. 2,505,841, May 2.

Shuler, James: *See*— Lewis, Felix, and Shuler.

Shulman, Pauline W., Hartford, Conn. Combined headboard and support. 2,516,265, July 25.

Shumaker, Jerry, Gaylord, Mich. Steam bath cabinets. 2,501,194, Mar. 14.

Shuman, Albert C., Rutherford, N. J., assignor to General Foods Corporation, New York, N. Y. Recovering caffein. 2,508,545, May 23.

Shuman, George R.: *See*— Edlund, Henry K., Monjar, Shuman, and De Tamble.

Shumann, Harold F., Pittsburgh, Pa. Method and apparatus for heat sealing. 2,494,905, Jan. 17.

Shure Brothers, Incorporated, assignee: *See*— Bauer, Benjamin B.

Shurts, Englebert, Waukesha, Wis. Milk claw. 2,514,676, July 11.

Shurts, Wilbur F.: *See*— Black, James B., and Shurts.

Shurtz, Earl E., Los Angeles, Calif. Shoe shaper. 2,513,372, July 4.

Shusman, Tevis, Longmeadow, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Peroxy polymerization of vinyl aromatic compounds. 2,521,754, Sept. 12.

Shutt, Richard S.: *See*— Waitkins, George R., and Shutt.

Shutter, Abram L., West Haven, Conn. Oarlock. 2,529,357, Nov. 7.

Shvetz, Roman E., New York, N. Y. Control device for the automatic recording of telephone conversations. 2,522,726, Sept. 19.

Shvetz, Roman E., New York, N. Y. Control device for the automatic recording of telephone conversations. 2,522,727, Sept. 19.

Sias, Frederick R., Marblehead, Mass., assignor to General Electric Company. Antihunt feedback generator for recorders. 2,522,240, Sept. 12.

Sicha, Walter E.: *See*— Moore, George L., Sicha, and Wrege.

Sichel, Leo, St. George, N. Y. Portable slideway grinder. 2,524,332, Oct. 3.

Sickels, Jackson P.: *See*— Walker, Ruth A., and Sickels.

Sickels, Jackson P., and T. F. Scholz, Plainfield, N. J., assignors to American Cyanamid Company, New York, N. Y. Monoalkamine esters of pyrrole-3-carboxylic acids. 2,500,713, Mar. 14.

Sickert, Gene D., Port Washington, Wis., assignor to The Seng Company. Adjustable back support for chair irons. 2,518,946, Aug. 15.

Sickles, F. W., Company, The, assignee: *See*— Oliver, Herbert F.

Sicotte, Sidney J., Hibbing, Minn. Fish landing grip. 2,531,235, Nov. 21.

Siddeley, Armstrong Motors Limited, assignee: *See*— Lindsey, William H., and Slatter.

Side, Frederick W., Philadelphia, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Vibrator. 2,532,274, Nov. 28.

Sidebotham, John B., Philadelphia, Pa. Belting fabric and process. 2,531,082, Nov. 21.

Sider, Frances, New York, N. Y. Garment. 2,532,375, Dec. 5.

Sidnell, Albert E., assignor to Seiberling Latex Products Co., Akron, Ohio. Metal-rubber dipping form. 2,503,358, Apr. 11.

Sido, George R.: *See*—
Buckley, Francis T., and Sido.
Sido, George R., Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Plasticized polyamide compositions. 2,499,932, Mar. 7.
Sido, George R., Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Plasticizers for vinyl resins. 2,524,368, Oct. 3.
Sido, George R., Wilbraham, and J. F. Murphy, Springfield, Mass., assignors Monsanto Chemical Company, St. Louis, Mo. Hot melt compositions. 2,527,856, Oct. 31.
Sidwar, Michael, Spangler, Pa. Circuit maker and breaker. 2,513,754, July 4.
Siebelist, Rudolf, Bronx, N. Y. Slip covering for armchairs. 2,522,404, Sept. 12.
Siebels, William H., San Francisco, Calif. Composite pipe structure. 2,512,116, June 20.
Siebenkittel, Reinhold, New Orleans, La. Novelty turntable. 2,527,969, Oct. 31.
Siebert, John H., Jr.: *See*—
Ornstein, Mendel P., and Siebert.
Siebert, William McC.: *See*—
Hushley, Walter J., and Siebert.
Siebigteroth, Maximilian, Detroit, assignor to C. B. Kemp, Grosse Pointe, Mich. Ice tray. 2,506,392, May 2.
Siecke, Albert C. W., Queens Village, and J. Davidson, assignors to Merritt-Chapman & Scott Corporation, New York, N. Y. Submersible floating structure. 2,528,089, Oct. 31.
Siedenburg, Fred M., Richmond Hill, N. Y. Hydraulic jack pump. 2,514,343, July 4.
Siefken, Werner: *See*—
Rinke, Heinrich, Schild, and Siefken.
Siegel, A. L., Co., Inc., assignee: *See*—
Levitt, Benjamin A.
Siegel, Abe, Brooklyn, N. Y. Gasoline fuel reserve tank. 2,497,277, Feb. 14.
Siegal, Harry, Chicago, Ill. Hand truck. 2,506,471, May 2.
Siegel, Louis L., Lakewood, Ohio. Combination soap dispensing device and hand drier. 2,504,740, Apr. 18.
Siegel, Max, and S. B. Jacobs, Los Angeles, Calif. Dropside mounting and adjusting means for a child's crib. 2,522,001, Sept. 12.
Siegel, Philip, New York, N. Y. Scarf or muffler. 2,510,720, June 6.
Siegel, Stanley: *See*—
Ekstein, Hans, and Siegel.
Siegfried, Ira D., Medina, Ohio. Fastener for paper files. 2,526,975, Oct. 24.
Siegerist, Walter, University City, Mo. Mounting for sheaves and the like. 2,505,215, Apr. 25.
Siegert, Arnold J. F., Syracuse, N. Y., and B. E. Watt, Houston, Tex., assignors to Texaco Development Corporation, New York, N. Y. Radioactive borehole logging. 2,504,888, Apr. 18.
Sieggreen, Elmer C., Saginaw, Mich. Drier using warm air blast. 2,496,236, Jan. 31.
Siegrist, Edward J., assignor to Holeproof Hosiery Co., Milwaukee, Wis. Manufacture of hosiery. 2,513,113, June 27.
Siehrs, Arthur E., assignor to Krim-Ko Corporation, Chicago, Ill. Treatment of Irish moss. 2,516,023, July 18.
Siehrs, Arthur E., assignor to Krim-Ko Corporation, Chicago, Ill. Treatment of Irish moss. 2,516,024, July 18.
Siekmann, Harold J.: *See*—
Groene, William F., Siekmann, and Meyer.
Kemper, Harry C., and Siekmann.
Siekmann, Harold J., Cincinnati, and H. C. Kemper, Goshen Township, Clermont County, assignors to The R. K. Le Blond Machine Tool Co., Cincinnati, Ohio. Hydraulic gear shifting mechanism. 2,519,794, Aug. 22.
Siekmann, Harold J., and R. M. Bacon, assignors to The R. K. Le Blond Machine Tool Co., Cincinnati, Ohio. Indicating and adjusting mechanism for machine tools. 2,521,312, Sept. 5.
Siekmann, Harold J., and G. J. Kasselmann, assignors to The R. K. Le Blond Machine Tool Co., Cincinnati, Ohio. Change-speed gearing for lathe headstocks. 2,523,397, Sept. 26.
Sieling, Dale H., Amherst, Mass. Cataphoretic apparatus. 2,500,878, Mar. 14.
Sieling, Edward H., Chicago, Ill. Urn bag retainer. 2,496,757, Feb. 7.
Siemens Brothers & Co. Limited, assignee: *See*—
Long, Douglas P.
Siems, George, Fairmont, Minn. Extension for material handling scoops. 2,496,563, Feb. 7.
Siems, Herman B., assignor to Swift & Company, Chicago, Ill. Conveying and rasping equipment for lumpy material such as superphosphate and the like. 2,515,165, July 11.
Sier-Bath Gear and Pump Co., Inc., assignee: *See*—
Philbrick, Robert S.
Siesholtz, Herbert, Allentown, Pa. Shock absorbing unit. 2,521,546, Sept. 5.
Sieverding, Norbert, Fulda, Minn. Remote control for harvester reels. 2,510,425, June 6.
Sievern, Frederick: *See*—
Care, Thomas, and Sievern.
Siever, Paul, assignor to Tire-Larm Co., Minneapolis, Minn. Tire deflation indicator. 2,532,199, Nov. 28.
Siever, Paul, Minneapolis, Minn. Throttle control device. 2,532,861, Dec. 5.
Sievers, George, Oakland, Calif. Automatic leveling retractable elongated landing gear for aircraft. 2,502,802, Apr. 4.
Sievers, George, Oakland, Calif. Speed equalizing landing gear for aircraft. 2,522,141, Sept. 12.
Sieving, Alfred W.: *See*—
Burks, George E., Bridwell, Lundberg, and Sieving.
Siezen, Gerrit J.: *See*—
Kalff, Louis C., Morel, and Siezen.
Siezen, Gerrit J., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Circuit arrangement for charging or discharging condensers. 2,507,226, May 9.
Siezen, Gerrit J., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Circuit arrangement for amplifying electrical signals. 2,526,426, Oct. 17.
Siff, Bertram, New York, N. Y. Support for bathroom curtains. 2,525,048, Oct. 10.
Sifferd, Robert H., Clarendon Hills, assignor to Armour and Company, Chicago, Ill. Preparation of ketocholanic acids. 2,521,755, Sept. 12.
Sifferd, Robert H., Lyons, and J. D. Porsche, Clarendon Hills, assignors to Armour and Company, Chicago, Ill. Treating lipoidal material. 2,494,726, Jan. 17.
Sifferman, True: *See*—
Miller, Billy J., and Sifferman.
Sigel, Carl A., assignor to Chicago Forging and Manufacturing Company, Chicago, Ill. Vehicle ventilator operator. 2,530,666, Nov. 21.
Sigel, Saul, Manchester, N. H., assignor to M. K. M. Hosiery Mills, Inc., Boston, Mass. Mechanism for repairing and heat-treating repairs of nylon hosiery. 2,502,031. Mar. 28.
Sigg, Joseph A., Pittsburgh, Pa. Toy gun. 2,529,709, Nov. 14.
Sigler, Harold H.: *See*—
Hiller, Stanley, Jr., and Sigler.
Sigler, Howard R.: *See*—
Laystrom, Carl A., and Sigler.
Sigma Instrument Company Limited, The, assignee: *See*—
Boosey, Frederick R.
Loxham, John.
Sigman, John J., Cicero, Ill. Crayon pencil sharpener. 2,502,177, Mar. 28.
Sigmund, Miroslav, Gosforth, England. Coupling for pipes and other tubular elements. 2,535,816, Dec. 26.
Signaigo, Frank K.: *See*—
Church, William H., Hare, and Signaigo.
Hare, Weston A., and Signaigo.
Signaigo, Frank K., Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of water-repellent textiles. 2,505,259, Apr. 25.
Signaigo, Frank K., Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Titanation of polyvinyl alcohol. 2,518,193, Aug. 8.
Signaigo, Frank K., Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Cellulose titanate film production. 2,525,049, Oct. 10.
Signal Engineering & Manufacturing Company, assignee: *See*—
Bean, Roscoe D.
Signal Manufacturing Company, The, assignee: *See*—
Bernstein, Samuel S.
Signal Tuned Radio Corporation, assignee: *See*—
O'Brien, William J.
Signell, Carl A., Dover, N. J. Drill. 2,529,788, Nov. 14.
Signeul, Ragnar A. O., Saltsjo-Duvnas, Sweden, assignor to Vibro-Plus Corporation, Wood Side, N. Y. Vibrating device for a directed vibratory effect by means of rotatable vibratory members. 2,531,706, Nov. 28.
Signode Steel Strapping Company, assignee: *See*—
Chamberlain, Paul A.
Green, Loman O.
Leslie, John H., II.
Sigoda, Victor J., Great Neck, assignor to Man-Sew Corporation, New York, N. Y. Sewing machine. 2,500,211, Mar. 14.
Sigoda, Victor J., Great Neck, assignor to Man-Sew Corporation, New York, N. Y. Sewing machine for blind stitching. 2,527,582, Oct. 31.
Sigoda, Victor J., Great Neck, assignor to Man-Sew Corporation, New York, N. Y. Ruffler attachment for sewing machines. 2,533,291, Dec. 12.
Sigoda, Victor J., Great Neck, assignor to Man-Sew Corporation, New York, N. Y. Multiple needle stitching mechanism. 2,533,292, Dec. 12.
Sigoda, Victor J., Great Neck, assignor to Man-Sew Corporation, New York, N. Y. Filler feeding mechanism for sewing machines. 2,533,293, Dec. 12.
Sigvard, Svend H., Copenhagen, Denmark. Pulsator for milking machines. 2,501,294, Mar. 21.
Sikora, Francis, Canton, Ohio. Spur for bass drums. 2,503,135, Apr. 4.
Sikorsky, Igor I., Bridgeport, assignor to United Aircraft Corporation, East Hartford, Conn. Rotor support. 2,494,209, Jan. 10.

Sikorsky, Igor I., Bridgeport, assignor to United Aircraft Corporation, East Hartford, Conn. Helicopter rotor control. 2,517,509, Aug. 1.

Sikorsky, Igor I., Bridgeport, W. E. Hunt, Brooklyn, and E. F. Katzenberger, Bridgeport, assignors to United Aircraft Corporation, East Hartford, Conn. Helicopter rotor control mechanism. 2,529,635, Nov. 14.

Sikorski, Joseph: *See*—
Wadhams, James B., Sateren, and Sikorski.

Silberman, Alexander, Upper Providence Township, Delaware County, assignor to Penn Supply and Metal Corporation, Philadelphia, Pa. Pipe hook. 2,534,739, Dec. 19.

Silberman, Henryk: *See*—
Terkel, Maryan, and Silberman.

Silberstein, Hedwiga R., and B. H. Carroll, assignors to Eastman Kodak Company, Rochester, N. Y. Merocyanine filter and backing dyes. 2,527,583, Oct. 31.

Silcox, Arthur E., Saugus, Mass. Slasher. 2,515,902, July 18.

Silent, Harold C., Los Angeles, Calif., assignor to the United States of America as represented by the Secretary of War. Electroacoustic binaural listening system. 2,505,585, Apr. 25.

Silentbloc, Limited, assignee: *See*—
Hutton, Philip C.

Silent-Flame Manufacturing Co., Inc., assignee: *See*—
Walshin, Murray.

Silent Hoist & Crane Co., Inc., assignee: *See*—
Flynn, Francis K.

Siler, Robert W. Endicott, N. Y., assignor to Siler Sling Corp., Hazard, Ky. Sling clamp. 2,515,571, July 18.

Siler Sling Corp., assignee: *See*—
Siler, Robert W.

Silex Company, The, assignee: *See*—
Reichold, Ludwig, and Lucia.
Wolcott, Frank E., Jr.

Silfen, Alfred, Berkeley, assignor to N. H. Gerlach, Chicago, Ill. Lawn mower sharpener. 2,513,591 July 4.

Silin Manufacturing Company, assignee: *See*—
Fiumedoro, Ali J.

Sill, Herbert E., Garden, Mich. Nonslip parallel rule. 2,506,243, May 2.

Sillers, Thomas G. A., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Delayed voltage control system with instantaneous overvoltage protection. 2,506,282, May 2.

Sillers, Thomas G. A., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Switch position indication. 2,532,647, Dec. 5.

Sillman, Leonard, assignee: *See*—
Gilbert, Edward.

Sills, Hubert R., Peterborough, Ontario, Canada, assignor to General Electric Company. Generator fault protection. 2,494,365, Jan. 10.

Silman, Harry I., Glen Cove, N. Y. Combination button and snap fastener stud. 2,520,261, Aug. 29.

Siltamaki, Harold A., Burbank, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind. Electric motor control system. 2,534,801, Dec. 19.

Silva, Willard C., Sarasota, Fla. Celery harvesting machine. 2,522,308, Sept. 12.

Silva, Willard C., Sarasota, Fla. Celery harvester. 2,529,515, Nov. 14.

Silvain, André, Roubaix, France. Orthopedic corset or girdle. 2,530,132, Nov. 14.

Silvain, André, Roubaix, France. Brassière. 2,533,060, Dec. 5.

Silvani, Ernest: *See*—
Rosenthal, William, and Silvani.

Silven, Herbert A., and D. R. Percival, assignors to Norton Company, Worcester, Mass. Crankpin grinding machine. 2,503,889, Apr. 11.

Silven, Herbert A., and C. G. Flygare, assignors to Norton Company, Worcester, Mass. Grinding machine. 2,522,485, Sept. 12.

Silver, Anne: *See*—
Eckel, Charles E., and Silver.

Silver Booster Mfg. Co., assignee: *See*—
Schwartz, Charles P.

Silver, David F., Peekskill, N. Y. Flavor bud. 2,531,536, Nov. 28.

Silver, John, Hollywood, Calif. Device for displaying photographic transparencies. 2,534,561, Dec. 19.

Silver, Martin: *See*—
Ostlund, Evert M., Silver, and Vallarino.
Young, Norman H., Jr., Silver, and French.

Silver, Maurice L., Chicago, Ill. aging flour. 2,510,146, June 6.

Silver, Raymond P., Chester, Pa., assignor to Hercules Powder Company, Wilmington, Del. Alkyd resins prepared from tricarboxylic acid having the structural formula of the addition product of l-pimaric acid and fumaric acid. 2,522,586, Sept. 19.

Silver, Walter H., and J. I. Cantral, assignors to Deere & Company, Moline, Ill. Detachable power unit for plows. 2,532,577, Dec. 5.

Silver, Walter H., and R. E. Cox, assignors to Deere & Company, Moline, Ill. Quick detachable hitch. 2,533,521, Dec. 12.

Silver, Walter T.: *See*—
Gorham, John E., and Silver.

Silverman, Alexander, Pittsburgh, Pa., J. J. Rothermel, Corning, N. Y., and K. Sun, Wilkinsburg, Pa. Phosphate glass. 2,518,194, Aug. 8.

Silverman, Anna C., New York, N. Y. Safety thread cutter. 2,527,201, Oct. 24.

Silverman, Charles, Providence, R. I. Bracelet clasp. 2,513,592, July 4.

Silverman, Charles, Providence, R. I. Earring construction. 2,516,652, July 25.

Silverman, Daniel, assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Shield for well logging instruments. 2,495,781, Jan. 31.

Silverman, Daniel, assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Photoelectric spark recorder. 2,501,790, Mar. 28.

Silverman, Daniel, assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Inkless recorder. 2,501,791, Mar. 28.

Silverman, Daniel, assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Fluid ingress well logging. 2,517,603, Aug. 8.

Silverman, Daniel, assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Interface locator. 2,524,933, Oct. 10.

Silverman, Daniel, assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Elevation recording apparatus. 2,524,934, Oct. 10.

Silverman, Daniel, J. D. Eisler, and J. F. Evans, assignors to Stanolind Oil and Gas Company, Tulsa, Okla. Correcting pendulum grade-angle measurement. 2,503,422, Apr. 11.

Silverman, Daniel, J. D. Eisler, and J. F. Evans, assignors to Stanolind Oil and Gas Company, Tulsa, Okla. Pendulum system for grade-angle measurements. 2,503,423, Apr. 11.

Silverman, Ira, assignee: *See*—
Wald, Morton, Brooks, and Leaman.

Silverman, Irving, Brooklyn, N. Y. Drop dispensing container. 2,534,310, Dec. 19.

Silverman, J. D., assignee: *See*—
Travis, Pierce M.

Silverman, Monte M., assignor to T & M Manufacturing Company, Los Angeles, Calif. Clamping connector. 2,508,655, May 23.

Silverman, Sidney I., Brooklyn, N. Y. Artificial tooth. 2,525,962, Oct. 17.

Silvestri, Bruno P.: *See*—
Cancelli, Dante E., and Silvestri.

Silvey, Gene A., Seattle, Wash., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Marker flare. 2,509,943, May 30.

Silvey, John O., Bridgeport, Conn., assignor to General Electric Company. Triple tuned high-frequency transformer. 2,503,923, Apr. 11.

Silvey, John O., Bridgeport, Conn., assignor to General Electric Company. High-frequency coupling transformer. 2,532,263, Nov. 28.

Silvey, William F., Goose Creek, assignor to N. T. Breaux, Harris County, Tex. Packer assembly. 2,531,791, Nov. 28.

Silvia, Jeremiah, Mattapoisett, Mass. Animal trap. 2,506,898, May 9.

Sim, Gordon, assignor to Teletype Corporation, Chicago, Ill. Telegraphic selecting apparatus. 2,505,153, Apr. 25.

Simbrat, Walter: *See*—
Levy, Gustave, and Simbrat.

Simanek, Edward J., and N. Flesch, assignors to American Steel Foundries, Chicago, Ill. Brake. 2,512,685, June 27.

Simanek, Edward J., assignor to American Steel Foundries, Chicago, Ill. Brake. 2,512,686, June 27.

Simanek, Edward J., assignor to American Steel Foundries, Chicago, Ill. Railway brake arrangement. 2,512,687, June 27.

Simcich, Matt, Los Angeles, Calif. Hubcap. 2,493,366, Jan. 3.

Simcich, Matt, Los Angeles, Calif. Tube cleanout brush with yieldably mounted removable wire bristles. 2,493,367, Jan. 3.

Sime, Sylvan H., Kiester, Minn. Wheel cylinder for hydraulic brakes. 2,533,902, Dec. 12.

Simi, Hendrick E., assignor to Kenworth Motor Truck Corporation, Seattle, Wash. Tire carrier. 2,494,411, Jan. 10.

Simi, Hendrick E., assignor to Kenworth Motor Truck Corporation, Seattle, Wash. Cooling system for internal-combustion engines. 2,511,549, June 13.

Simi, Hendrick E., Ferndale, assignor to The Timken-Detroit Axle Company, Detroit, Mich. Hydraulic brake system. 2,514,421, July 11.

Simison, Allen L., C. H. Billman, and R. M. Stream, Newark, assignors to Owens-Corning Fiberglas Corporation, Toledo, Ohio. Method and apparatus for producing glass fibers. 2,527,502, Oct. 24.

Simjian, Luther G., Riverside, assignor to The Reflectone Corporation, Stamford, Conn. Glass panel attaching device. 2,498,139, Feb. 21.

Simjian, Luther G., Riverside, Conn. Chair having a mirror mounted for movement with the chair seat. 2,510,351, June 6.

Simjian, Luther G., Riverside, Conn. Photographic plate moving apparatus. 2,527,584, Oct. 31.
Simkins, Leon L., Kalamazoo, Mich. Heated pencil for writing on waxed paper. 2,494,412, Jan. 10.
Simkins, Leon L., assignor to The Wigginton Company, Kalamazoo, Mich. Polyphase sequence indicator. 2,503,598, Apr. 11.
Simkins, Leon L., Kalamazoo, Mich. Polarity indicator for voltage testers. 2,524,841, Oct. 10.
Simler, Harry R., assignor of one-half to F. H. Bell, Canton, Ohio. Antifriction bearing. 2,526,587, Oct. 17.
Simmon, Alfred, Jackson Heights, assignor to Simmon Brothers, Inc., Long Island City, N. Y. Sensitometric device for color photography using scanning, recording, and comparing means. 2,499,039, Feb. 28.
Simmon, Alfred, Jackson Heights, assignor to Simmon Brothers, Inc., Long Island City, N. Y. Control device for photographic color printers and enlargers. 2,518,947, Aug. 15.
Simmon, Alfred, Jackson Heights, assignor to Simmon Brothers, Inc., Long Island City, N. Y. Light measuring device for photographic color printing having color filters and photocell circuit timing means. 2,518,948, Aug. 15.
Simmon, Alfred, Jackson Heights, assignor to Simmon Brothers, Inc., Long Island City, N. Y. Sensitometric device. 2,528,977, Nov. 7.
Simmon Brothers, Inc., assignee: *See*—
Simmon, Alfred.
Simmonds, John J., Lawrence, Kans., assignor, by mesne assignments, to Dearborn Motors Corporation, Detroit, Mich. Power lift attachment for tractors or the like. 2,495,143, Jan. 17.
Simmonds, Watson A., Chicago, Ill. Machine for applying decalcomanias. 2,511,180, June 13.
Simmonds, Wayne W., Kansas City, Mo., assignor, by mesne assignments, to Dearborn Motors Corporation, Detroit, Mich. Framework structure for power lifting attachments for vehicles. 2,495,144, Jan. 17.
Simmons, Arthur B., assignor to Eastman Kodak Company, Rochester, N. Y. Transparency-positioning device for photographic apparatus. 2,518,727, Aug. 15.
Simmons, Arthur B., assignor to Eastman Kodak Company, Rochester, N. Y. Slide-changing device. 2,525,564, Oct. 10.
Simmons, Charley, Denver, Colo. Combined automatic phonograph and radio. 2,534,930, Dec. 19.
Simmons Company, assignee: *See*—
Barsanti, Silvio.
Johnson, Charles E., and Woller.
Woller, Edward E.
Simmons, Curtis G., and J. H. Armstrong, Atlanta, Ga. Belt installing tool. 2,505,216, Apr. 25.
Simmons, Donald F., Seattle, Wash. Arm support. 2,496,605, Feb. 7.
Simmons, Frank A., Elgin, assignor to Burgess Battery Company, Lake Zurich, Ill. Spray or atomizer nozzle. 2,493,209, Jan. 3.
Simmons, Frank A., Elgin, assignor to Burgess Battery Company, Lake Zurich, Ill. Sprayer or atomizer. 2,494,837, Jan. 17.
Simmons, Glen R.: *See*—
Babbitt, Bethel J., and Simmons.
Simmons, Gordon, Jr., Portageville, Mo. Method and apparatus for separating isotopes. 2,533,966, Dec. 13.
Simmons, Howard W., assignee: *See*—
Sullivan, Thomas E.
Simmons, Leon E., Claremont, N. H., assignor to Joy Manufacturing Company. Cutter chain. 2,511,132, June 13.
Simmons, Leon E., Claremont, N. H., assignor to Joy Manufacturing Company. Lubricator. 2,513,824. July 4.
Simmons, Leon E., Claremont, N. H., assignor to Joy Manufacturing Company. Reel mechanism. 2,515,805, July 18.
Simmons, Jesse W., Lewiston, Maine. Screw-eye wrench. 2,530,914, Nov. 21.
Simmons, Leo E., Shreveport, La. Piston construction. 2,529,053, Nov. 7.
Simmons, Louis G., assignee: *See*—
Garday, Louis J.
Simmons, Oliver H.: *See*—
Buell, Roy D., and Simmons.
Simmons, R. F., Company, assignee: *See*—
Burr, Lester D., Jr.
Simms, Charles H.: *See*—
Breadner, Robert L., Jenkins, and Simms.
Simms, George A., Washington, D. C. Apparatus for making interrupted type faces. 2,506,746, May 9.
Simms, Harold A., Redondo Beach, Calif., assignor to The Patent and Licensing Corporation, New York, N. Y. Ventilated shipping container. 2,511,550, June 13.
Simms, Lewis W., Fairville, New Brunswick, Canada. Brush with cemented tuft socket. 2,508,931, May 23.
Simms, Russell K., Bartlesville, Okla., assignor to Phillips Petroleum Company. Pebble heater design. 2,507,823, May 16.
Simon, Eli, Los Angeles, and F. W. Thomas, assignors to Lockheed Aircraft Corporation, Burbank, Calif. Flame and heat resistant sealing compounds. 2,526,427, Oct. 17.
Simon, Forrest C., assignor to The French Oil Mill Machinery Company, Piqua, Ohio. Filter- and discharge valve for solvent extractors. 2,517,040, Aug. 1.
Simon, Frank A., Louisville, Ky. Allergy testing instrument. 2,522,309, Sept. 12.
Simon, Frederick T.: *See*—
Abbott, Arthur R., Kieley, and Simon.
Simon, Henry, Limited, assignee: *See*—
Welch, Oswald.
Woods, Edgar C.
Simon, Justin, Brooklyn, and R. S. Temko, New York, N. Y. Razor blade magazine. 2,529,819, Nov. 14.
Simon, Larry, assignor to M. L. Simon, Outremont, Montreal, Quebec, Canada. Flexible keycase. 2,493,554, Jan. 3.
Simon, Max C.: *See*—
Simonowitz, Max C.
Simon, Max C., Jamaica, N. Y. Concealed caster unit for furniture. 2,535,654, Dec. 26.
Simon Morey L., assignee: *See*—
Simon, Larry.
Simon, Morris, Rockaway Beach, N. Y. Animated pull toy. 2,522,405, Sept. 12.
Simon, Reginald W., London, England. Tone arm control device. 2,494,063, Jan. 10.
Simon, Ruben, Pontiac, Mich. Sectional travel chest. 2,511,949, June 20.
Simon, Victor, Villeurbanne, France, vested in the Attorney General of the United States. Cycle frame. 2,493,037, Jan. 3.
Simonds Machine Co., Inc., assignee: *See*—
Bonin, George E.
Simonian, Gerald, Fresno, Calif. Dual purpose handle for portable shopping carts. 2,513,526, July 4.
Simonowitz, Max, Jamaica, N. Y.; now by judicial change of name Max C. Simon. Pivot retractable caster for furniture rails. 2,529,789, Nov. 14.
Simonowitz, Max C., Jamaica, N. Y., now by change of name M. C. Simon. Combined credenza and table. 2,521,547, Sept. 5.
Simons, Aaron, Newburgh, N. Y. Prime mover apparatus. 2,501,856, Mar. 28.
Simons, Gordon F.: *See*—
Kawecki, Henry C., and Simons.
Simons, Herbert R., assignor to Pacific All-Fiber Drums, Inc., Alhambra, Calif. Cover holding clip. 2,503,222, Apr. 4.
Simons, John K., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Production of polycyclopentadiene compositions. 2,503,972, Apr. 11.
Simons, John K., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Diguanamines. 2,510,761, June 6.
Simons, John K., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Thermosetting urea-formaldehyde molding composition. 2,510,762, June 6.
Simons, John K., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Production of thermosetting synthetic resins. 2,510,935, June 6.
Simons, John K., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Aryl diguanamines. 2,532,519, Dec. 5.
Simons, Joseph H., State College, Pa., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Fluorocarbon ethers. 2,500,388, Mar. 14.
Simons, Joseph H., State College, Pa., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Electrochemical process of making fluorine-containing carbon compounds. 2,519,983, Aug. 22.
Simons, Joseph H., State College, Pa., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. High-boiling fluorocarbons. 2,522,968, Sept. 19.
Simons, Joseph H., State College, Pa., assignor to Phillips Petroleum Company. Oxidation of aromatic compounds. 2,530,369, Nov. 21.
Simons, Joseph H., W. H. Pearlson, and W. R. James, State College, Pa., assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Thermal hydrogenolysis of fluorocarbons to produce fluorocarbon hydrides. 2,494,064, Jan. 10.
Simons, Joseph H., W. H. Pearlson and T. J. Brice, State College, Pa., assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Thermal chlorinolysis and brominolysis of fluorocarbons to produce fluorocarbon chlorides and bromides. 2,506,652, May 9.
Simons, Kenneth A., Bryn Athyn, Pa., assignor to Radio Corporation of America. Tester for self-synchronous systems. 2,499,116, Feb. 28.
Simons, Loomis W.: *See*—
Gillis, Selby J., and Simons.
Simons, Lowell W., assignor of one-half to W. N. Deatherage, Long Beach, Calif. Jack rest for vehicle frames. 2,511,950, June 20.
Simons, William G., Newark, Del., assignor to American Cyanamid Company, New York, N. Y. Resin adhesives and producing same. 2,518,388, Aug. 8.
Simonson, Ben, Sargeant, Minn. Stanchion. 2,506,112, May 2.
Simonson, Ernest J. and J. C., Muskegon, Mich. Semi-automatic pistol with blowback breechblock. 2,495,428, Jan. 24.
Simonson, Joan C.: *See*—
Simonson, Ernest J. and J. C.

Simonson, Sigvard, Butler, Pa., assignor to O. C. Duryea Corporation. Draft appliance for railway cars. 2,497,048, Feb. 7.

Simpelaar, Clyde S., assignor to Modine Manufacturing Company, Racine, Wis. Cleanable type heat exchanger. 2,502,675, Apr. 4.

Simpelaar, Clyde S., assignor to Modine Manufacturing Company, Racine, Wis. Damper to control gas flow. 2,505,996, May 2.

Simpkins, Nathaniel J., Atlanta, and D. H. Fischer, Decatur, Ga. Stick dispenser. 2,530,086, Nov. 14.

Simpkiss, John O., Jr., Palmyra, N. J., assignor to Radio Corporation of America. Mask for cathode-ray tubes. 2,531,537, Nov. 28.

Simplair, John I., Philadelphia, Pa. Mark sensing template for electrical accounting machines. 2,525,837, Oct. 17.

Simplet Electric Company, assignee: *See*—
Anderson, Ernst G.
Kinander, Harold W.

Simplex, assignee: *See*—
Rasmussen, Christian O.

Simplex Display Fixture Company, assignee: *See*—
Geistert, Lewis A.

Simplex Oil Heating Corporation, assignee: *See*—
Kirk, Miles W., and Sherwood.

Simplicity Engineering Company, assignee: *See*—
Behnke, George W., Westcott, and Sandula.

Simpson, Albert R., Knoxville, Tenn., assignor to the United States of America as represented by the United States Atomic Energy Commission. Pulse generator. 2,496,819, Feb. 7.

Simpson, Albert R., Knoxville, Tenn., assignor to the United States of America as represented by the United States Atomic Energy Commission. Voltage pulse generator. 2,531,830, Nov. 28.

Simpson, Arthur M., assignor to The Kawneer Company, Niles, Mich. Bowling alley pin and ball separating and conveying mechanism. 2,531,167, Nov. 21.

Simpson, Charles A., assignor to Voltarc Tubes, Inc., Norwalk, Conn. Tube drier. 2,527,337, Oct. 24.

Simpson, Clarence E., Springfield, Mass. Cartridge. 2,514,422, July 11.

Simpson, Clarence E., Springfield, Mass. Machine gun trainer. 2,516,926, Aug. 1.

Simpson, Clarence E., Springfield, Mass. Recoil mechanism. 2,520,971, Sept. 5.

Simpson, David M., Long Beach, Calif. Nonoverfill indicator for battery cells. 2,532,520, Dec. 5.

Simpson, Donald J., assignee: *See*—
Snyder, Leland H., and Yost.

Simpson, Doyle H., Albuquerque, N. Mex. Ventilated metal awning. 2,503,136, Apr. 4.

Simpson Electric Company, assignee: *See*—
Bernreuter, Herbert A.
Simpson, Ray R.

Simpson, George K.: *See*—
Traill, David, and Simpson.

Simpson, George K., Bayonne, and W. C. Smith, Elizabeth, N. J., assignors to Standard Oil Development Company. Cellular rubber article and producing the same. 2,503,003, Apr. 4.

Simpson, George L., Edgeworth, assignor to Delaware Engineering Corporation, Pittsburgh, Pa. Apparatus for conditioning gases. 2,519,296, Aug. 15.

Simpson, Harrison D., Hillside, assignor to Krementz & Company, Newark, N. J. High-frequency electrical heating apparatus. 2,493,269, Jan. 3.

Simpson, Herbert S., trustee, assignee: *See*—
Christensen, Alfred C.
McIlvaine, Robert L.

Simpson, Howard W., Dearborn, Mich. Transmission. 2,518,824, Aug. 15.

Simpson, Howard W., Dearborn, Mich. Transmission. 2,518,825, Aug. 15.

Simpson, J. B., Inc., assignee: *See*—
Alschuler, Richard H., and Reinhardtsen.

Simpson, John A., Jr., Chicago, Ill., assignor to the United States of America as represented by the Atomic Energy Commission. Proportional counter. 2,505,919, May 2.

Simpson, John A., Jr., Chicago, Ill., assignor to the United States of America as represented by the United States Atomic Energy Commission. Radioactivity measuring device. 2,509,700, May 30.

Simpson, John A., Jr., Chicago, Ill., assignor to the United States of America as represented by the United States Atomic Energy Commission. Air proportional counter. 2,532,956, Dec. 5.

Simpson, John C., assignor of one-half to L. B. Sandblast, Portland, Oreg. Box. 2,507,824, May 16.

Simpson, John M., Miami Beach, Fla., assignor to Borg-Warner Corporation, Chicago, Ill. Synchronizing transmission. 2,515,270, July 18.

Simpson, John M., Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Tank transmission. 2,519,080, Aug. 15.

Simpson, Joseph A., assignor of one-half to M. Hearst, New York, N. Y. Cord and spring animated figure device. 2,534,631, Dec. 19.

Simpson, Justin, and R. M. Mero, Chicago, Ill., assignors to Continental Can Company, Inc., New York, N. Y. High-speed cover transfer means. 2,516,653, July 25.

Simpson, Kenneth H., Maplewood, N. J., assignor to Radio Corporation of America. Mount for electron discharge devices. 2,493,555, Jan. 3.

Simpson, Norman H., and P. R. Cutter, Fort Worth, Tex., assignors to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Coating magnesium and magnesium base alloys. 2,497,036, Feb. 7.

Simpson, Paul F., Washington, assignor to The Autoyre Company, Incorporated, Oakville, Conn. Towel bar. 2,504,741, Apr. 18.

Simpson, Ray R., River Forest, assignor to Simpson Electric Company, Chicago, Ill. Meter housing assembly. 2,515,021, July 11.

Simpson, Robert, Los Angeles, Calif. Mixing valve. 2,520,069, Aug. 22.

Simpson, Robert, Morro Bay, Calif. Air supply outlet. 2,532,737, Dec. 5.

Simpson, Robert F., Hartville, and E. H. Schoner, Uniontown, assignors of one-third to R. J. Himmelright, Hartville, Ohio. Rubber sun visor. 2,506,689, May 9.

Simpson, Roy L., North Kansas City, and R. S. Coffman, assignors to Black, Sivalls & Bryson, Inc., Kansas City, Mo. Safety head. 2,523,068, Sept. 19.

Simpson, S., Limited, assignee: *See*—
Klein, Solomon.

Simpson, Thomas P., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Regenerating spent contact mass material. 2,506,552, May 2.

Simpson, Thomas P., and F. E. Ray, Woodbury, and R. Lee, Wenonah, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Method and apparatus for conversion of hydrocarbons with moving bed of solids. 2,509,019, May 25.

Simpson, Thomas P., and J. W. Payne, Woodbury, N. J., and J. A. Crowley, Jr., New York, N. Y., assignors to Socony-Vacuum Oil Company, Incorporated. System for conducting conversions in the presence of a contact mass. 2,531,365, Nov. 21.

Simpson, Walter M., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Ribbon burner. 2,512,752, June 27.

Simpson, William, Schnectady, assignor to Cohoes Envelope Company, Inc., Cohoes, N. Y. Parcel bag. 2,516,266, July 25.

Sims, Charles R., assignor to The American Oak Leather Company, Cincinnati, Ohio. Machine for rolling and setting leather. 2,496,418, Feb. 7.

Sims, Edward F., Blue Island, Ill. Bale loader. 2,518,083, Aug. 8.

Sims, Grover A., Beaumont, Tex. Automobile lift. 2,497,472, Feb. 14.

Sims, H. W., assignee: *See*—
Talbot, David B.

Sims, John R., El Monte, assignor of one-half to M. Say, Manhattan Beach, Calif. Machine for molding concrete blocks. 2,512,117, June 20.

Sims, Marion W.: *See*—
Alexanderson, Ernst F. W., Patterson, and Sims.

Simson, Adolf P., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control device. 2,493,323, Jan. 3.

Sinclair, Charles W., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Making track shoes. 2,494,108, Jan. 10.

Sinclair Charles W., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Wheel. 2,501,587, Mar. 21.

Sinclair, Charles W., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Rim. 2,519,937, Aug. 22.

Sinclair, Charles W., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Wheel. 2,521,260, Sept. 5.

Sinclair, Charles W., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Track shoe connector. 2,532,824, Dec. 5.

Sinclair, Clyde C., assignor to Paw Paw Bait Company, Paw Paw, Mich. Fish bait or lure. 2,504,229, Apr. 18.

Sinclair, Donald, South Hadley Falls, and S. Wallans, assignors to Harvey-Whipple, Incorporated, Springfield, Mass. Burner head for gun-type oil burners. 2,527,503, Oct. 24.

Sinclair, Donald C., South Hadley Falls, assignor to Harvey-Whipple, Incorporated, Springfield, Mass. Unitary combustion chamber. 2,525,963, Oct. 17.

Sinclair, Gabriel J.: *See*—
Schlesinger, Gabriel J.

Sinclair, Gabriel J., New York, N. Y., assignor to The United Piece Dye Works, Lodi, N. J. Predetermined position stopping device for textile treating apparatus. 2,504,883, Apr. 18.

Sinclair, Harold, London, England. Power-transmission system. 2,505,842, May 2.

Sinclair, Harold, London, England. Multiratio gearing. 2,508,776, May 23.

Sinclair, Harold, London, England. Torque limiting means for torque transmitting mechanisms. 2,527,658, Oct. 31.

Sinclair Refining Company, assignee: *See*—
Beckberger, La Vern H.
Coons, Edward A.
Fisher, Frank R.
Hoock, William S., and Kleinholz.
Kleinholz, Milton P.
Kimball, Thomas B., and Howe.
Kuhn, George F.
Norris, Richard O.

Sinclair Refining Company, assignee: *See*—Continued.
Pelzer, Harry L.
Riggs, William R.
Shand, Edwin W.
Smith, Reading B.
Teter, John W.
Teter, John W., and Olson.
Watkins, Franklin M.
Watson, Kenneth M.
Wilcox, Marion J.
Woerner, Rudolph C.
Zehner, Edward P., and Hunn.
Sinclair, William D.: *See*—
Davies, Leonard J., Rushforth, Sinclair, and Milner.
Sinclaire, Francis S., Brooklyn, N. Y. Rolling element for games and the like. 2,524,546, Oct. 3.
Sincomb, Stanford W., El Paso, Tex. Valve rod guide for flush tanks. 2,530,209, Nov. 14.
Sindar Corporation, assignee: *See*—
Kunz, Eric C., and Gump.
Sinden, Alfred D., Aurora, Ill., assignor to Stephens-Adamson Mfg. Co. Apparatus for conveying loose materials. 2,499,171, Feb. 28.
Sinelli, Anthony C., Ann Arbor, Mich. Tie plate for model railroads. 2,511,300, June 13.
Singer, Albert, Los Angeles, Calif. Cutter for removing wallpaper. 2,505,586, Apr. 25.
Singer, Arnold J., assignor to Chatham Pharmaceuticals, Inc., Newark, N. J. Preparing pharmaceutical packages. 2,508,197, May 16.
Singer, Benjamin, Brooklyn, assignor to Teletone Radio Corporation, New York, N. Y. Attachment for radio sets. 2,497,963, Feb. 21.
Singer, Edwin, Harris, N. Y., assignor of one-half to G. B. Westenheffer, Harrisburg, Pa. Cushioning device for fluid conduits. 2,497,020, Feb. 7.
Singer, Ewart A., Deming, N. Mex. Adding machine stand. 2,517,510, Aug. 1.
Singer, Fred J., Rockville Centre, N. Y., and L. J. Stacy, Chester, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Selective station ringing system. 2,532,125, Nov. 28.
Singer, Harry A., Elwood, Ind. Device for restricting warping of doors. 2,513,059, June 27.
Singer, Henry, Honolulu, T. H. Furniture caster. 2,502,759, Apr. 4.
Singer, Henry, Honolulu, Territory of Hawaii. Paddle toy. 2,512,239, June 20.
Singer, Henry, assignor of one-half to J. K. Goo Kim, Jr., Honolulu, Hawaii. Sounding toy. 2,534,996, Dec. 19.
Singer Manufacturing Company, The, assignee: *See*—
Ackerman, James E.
Andres, William A.
Clayton, Andrew B.
Davidson, William A.
Denman, Earl W.
Enos, John P.
Faulkner, Harold C.
Fuge, Harry B.
Hacklander, Hans.
Hacklander, Hans, and Sweeny.
Hale, Arthur N.
Hale, Arthur N., and Carmichael.
Heggie, James.
Johnson, Ralph E.
Karle, John D.
Langille, Wilfred O.
Larys, Bohumir A.
Marsac, Leonard C.
McCann, Michael.
Nydegger, Paul F., and Huey.
Parry, Frank.
Pinkvoss, Berthold P.
Ritter, Herman.
Sailer, Rudolph J.
Schulthess, Robert.
Smith, Darwin G.
Smith, Darwin G., and Faulkner.
Spaine, Edward P.
Sweeny, Charles P.
Turner, Edgar P.
Turner, Edgar P., and Happe.
Turner, Edgar P., Happe, and Ingalls.
Turner, Edgar P., and Hayes.
Turner, Edgar P., and Strader.
Vollman, Joseph.
Wood, Alfred R.
Zeier, Frederick F.
Singer, Philip A., and H. J. Deobald, Peoria, Ill., assignors to Allied Mills, Inc. Animal feed and improving the same. 2,504,159, Apr. 18.
Singer, Philip A., and H. J. Deobald, Peoria, assignors to Allied Mills, Inc., Chicago, Ill. Refined phosphatides and making some. 2,508,624, May 23.
Singer, Samuel, San Francisco, Calif. Broiler. 2,517,360, Aug. 1.
Singh, Alamjit D., assignor to Institute of Gas Technology, Chicago, Ill. Carbonizing coal with iron oxide. 2,512,076, June 20.
Singh, Alamjit D., assignor to Institute of Gas Technology, Chicago, Ill. Sterilizing. 2,529,710, Nov. 14.
Singh, William K., South Ruislip, England. Electrical equipment. 2,511,131, June 13.
Singher, Heron O.: *See*—
Folsome, Clair E., and Singher.
Singher, Heron O., Red Hook, N. Y., and C. R. Harmison, Somerville, N. J., assignors to Ortho Pharmaceutical Corporation. Extraction of type A specific substance. 2,533,294, Dec. 12.
Singletary, Marion D., assignor of twenty per cent to J. E. Latimer, Bishopville, S. C. Salt shaker. 2,530,406, Nov. 21.
Singleton, Abraham G., assignee: *See*—
Jordon, Benjamin T.
Singleton, Arthur E., Fort Wayne, Ind., assignor to The Toidey Company, Gertrude A. Muller, Inc. Footrest attachment for infant toilet seats. 2,499,884, Mar. 7.
Sinko, John, Chicago, Ill. Cigar lighter. 2,498,116, Feb. 21.
Sinko, John, Chicago, Ill. Steering wheel turning device. 2,509,319, May 30.
Sinko, John, Chicago, Ill. Steering wheel turning device. 2,516,532, July 25.
Sinkovitz, Joseph, assignor to Miller Printing Machinery Co., Pittsburgh, Pa. Operating mechanism for printing presses and the like. 2,517,251, Aug. 1.
Sinnett, Chester M., Westmont, N. J., assignor to Radio Corporation of America. Absorption-type modulation system. 2,530,087, Nov. 14.
Sinsheimer, Robert L., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Radio object location system. 2,527,769, Oct. 31.
Sintering Machinery Corporation, assignee: *See*—
Biehler, Louis A.
Sinz, Lawrence P., Los Angeles, Calif. Pressure regulator. 2,514,458, July 11.
Sipe, Charles O., Woody, Calif. Vegetable slicer. 2,533,843, Dec. 12.
Sipes, David G., Struthers, Ohio. Automatic candelabra. 2,499,118, Feb. 28.
Siple, Paul A., United States Army, Arlington, Va. Heat insulating cover. 2,520,972, Sept. 5.
Sipple, Hulbert E.: *See*—
Walters, Ernest L., and Sipple.
Siren, Andrew O., Calgary, Alberta, Canada. Loading and unloading grain elevator. 2,512,039, June 20.
Siri, William E., Berkeley, Calif., assignor to the United States of America as represented by the Secretary of War. Parachute release mechanism. 2,517,511, Aug. 1.
Sirica, John D., Waterbury, Conn. Ampoule neck cutter. 2,503,517, Apr. 11.
Sirkin, Joseph C., assignee: *See*—
Wenzel, William R.
Sirotak, Edward R.: *See*—
Krapf, Herman C., and Sirotak.
Sisemore, Marshall G., Tulsa, Okla. Vacuum cleaner. 2,535,963, Dec. 26.
Sisk, Carl M. and M. W., Matamoras, Pa. Display device. 2,531,002, Nov. 21.
Sisk, Mildred W.: *See*—
Sisk, Carl M. and M. W.
Sisley, Earl B., administrator: *See*—
Sisley, William G.
Sisley, William G., deceased, Erie, Pa.; E. B. Sisley, administrator. Pivoted jaw pipe wrench having pivoted spring-biased auxiliary jaws. 2,517,041, Aug. 1.
Sissler, Donald L.: *See*—
Domack, Stanley A., Rutkowski, and Sissler.
Sisson, James G., assignor to The L. S. Starrett Company, Athol, Mass. Shock absorbing anvil attachment for dial indicators. 2,533,522, Dec. 12.
Sisson, John B., Marion, Ind. Intermittent, molten material, pressing machine. 2,505,997, May 2.
Sisson, Kenneth O., Oakwood, assignor to General Motors Corporation, Dayton, Ohio. Automatic sequential operation type clothes washing machine. 2,520,695, Aug. 29.
Sisson, Vinton E., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Swing motion emergency coupler support. 2,504,889, Apr. 18.
Sisson, Vinton E., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Car coupler support and positioning device. 2,504,890, Apr. 18.
Sisson, Vinton E., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Supporting and positioning device for car couplers. 2,504,891, Apr. 18.
Sisson, Vinton E., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Car coupler positioning and supporting device. 2,504,892, Apr. 18.
Sisson, Vinton E., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Positioning and supporting device for car couplers. 2,504,893, Apr. 18.
Sisson, Wayne A.: *See*—
Merion, Howard D., and Sisson.
Sisson, Wayne A., Silverside, assignor to American Viscose Corporation, Wilmington, Del. Process and apparatus for treatment of filamentary materials. 2,509,279, May 30.
Sisson, Wayne A., assignor to American Viscose Corporation, Wilmington, Del. Liquid treatment of filamentary material. 2,513,432, July 4.
Sisulak, Michael S.: *See*—
Kane, Paul, and Sisulak.

Sisulak, Michael S., Chicago, Ill., assignor to International Harvester Company. Shaft mounting for bearing assembly. 2,513,970, July 4.

Sisulak, Michael S., Chicago, Ill., assignor to International Harvester Company. Side delivery rake. 2,518,389, Aug. 8.

Sitnick, Peter A., Sunland, and A. W. Christopher, said Sitnick assignor to C. B. Howell, Los Angeles, Calif. Pressing iron holder. 2,528,846, Nov. 7.

Sittler, Carl C., Glen Ellyn, Ill. Tubular electromagnet potential indicator. 2,521,548, Sept. 5.

Sitton, William L., Davenport, Iowa. Toolholder. 2,519,938, Aug. 22.

Sitzer, Philip, Irvington, N. J., assignor to Tung-Sol Lamp Works Inc. Electric flasher. 2,503,303, Apr. 11.

Sitzler, Richard R., and R. H. Balch, Cumberland, Md., assignors to Celanese Corporation of America. Sizing textiles and composition therefor. 2,516,267, July 25.

Sivacek, Emil E., assignor to King-Seeley Corporation, Ann Arbor, Mich. Silencing diaphragms on cylinder covers for fluid motor mechanisms. 2,511,181, June 13.

Sivertsen, Peter M., Greenwich, assignor to Globe Slicing Machine Co., Inc., Stamford, Conn. Meat chopper. 2,505,797, May 2.

Sivertson, Clifford P., Washington, D. C. Support for individuals while harvesting crops. 2,524,181, Oct. 3.

Sivey, Delia I.: *See*—
Sivey, William F. and D. I.

Sivey, William F. and D. I., Tecumseh, Nebr. Making artificial flies. 2,533,523, Dec. 12.

Sivian, Leon J., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Exploration of troposphere stratification. 2,507,121, May 9.

Sivitz, Moses, assignor to Bromo-Mint Company, Cincinnati, Ohio. Musical toy. 2,506,039, May 2.

Sivley, Albert R.: *See*—
Burns, Charles R. D., and Sivley.

Sixsmith, James M., assignee: *See*—
Graveel, Roy V.

Sixtal Development Company, assignee: *See*—
Kreitner, John.

Six Wheels, Inc., assignee: *See*—
Collender, Gustave A.

Six, Willem: *See*—
Beljers, Hugo G., Six, and Winkel.

Six, Willem, and P. W. Haayman, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electric discharge tube. 2,515,931, July 18.

Six, Willem, and J. L. H. Jonker, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Arrangement comprising a cathode-ray tube having means for deflecting the cathode-ray beam. 2,532,738, Dec. 5.

Sjöblom, Herman A., Helsingfors, Finland. Music-leaf turner. 2,528,289, Oct. 31.

Sjobring, Nels P., Los Angeles, Calif. Precision square. 2,520,571, Aug. 29.

Sjödin, Olof V., Stocksund, Sweden. Apparatus and method for molding hollow structures of concrete and the like. 2,513,527, July 4.

Sjolander, John L., assignor to Cleveland Wire Spring Company, Cleveland, Ohio. Spring dampener. 2,530,034, Nov. 14.

Sjölander, Josef, Stockholm, Sweden. Musical instrument. 2,508,300, May 16.

Sjoquist, Kenneth G., Chicago, Ill., assignor to The Kendall Company, Boston, Mass. Arch binder. 2,515,903, July 18.

Sjöstrand, Hjalmar E., Stockholm, Sweden. Grinding machine. 2,498,012, Feb. 21.

Skaptason, Joseph B.: *See*—
Paul, Philip T., and Skaptason.
Sundholm, Norman K., and Skaptason.

Skardal, Karl A., Stockholm, Sweden. Mechanical relay. 2,526,428, Oct. 17.

Skarin, Carl R.: *See*—
Mueller, William L., Rundquist, and Skarin.

Skarphol, Sigurd, Souris, N. Dak. Clutch release attachment. 2,506,899, May 9.

Skarstrom, Charles W., Hazlet, N. J., assignor to Standard Oil Development Company. Process and apparatus for determining rate of composition change. 2,519,081, Aug. 15.

Skeats, Wilfred F., Lansdowne, Pa., assignor to General Electric Company. High-voltage electric circuit interrupter. 2,518,195, Aug. 8.

Skeats, Wilfred F., Lansdowne, and T. R. Coggeshall, Bala Cynwyd, Pa., assignors to General Electric Company. Electric circuit interrupter. 2,535,702, Dec. 26.

Skeel, Lewis: *See*—
Thomas, Robert W.

Skeen, Charles H.: *See*—
Geisler, Ralph H., and Skeen.

Skehan, Michael J.: *See*—
Fengler, William W., and Skehan.

Skellett, Albert M., Madison, assignor to National Union Radio Corporation, Orange, N. J. Detector for high energy radiation. 2,498,461, Feb. 21.

Skellett, Albert M., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave generating circuits. 2,501,620, Mar. 21.

Skellett, Albert M., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Radio distance measuring system with alarm device. 2,514,677, July 11.

Skellett, Albert M., Madison, N. J., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Ultra high frequency electron tube. 2,517,726, Aug. 8.

Skellett, Albert M., Madison, assignor to National Union Radio Corporation, Newark, N. J. Demodulation apparatus for pulse multiplex pulse time modulated signals. 2,533,405, Dec. 12.

Skellet, Albert M., Madison, assignor to National Union Radio Corporation, Orange, N. J. Modulatable frequency oscillation tube arrangement. 2,533,406, Dec. 12.

Skellett, Albert M., Madison, assignor to National Union Radio Corporation, Orange, N. J. Electronic organ. 2,535,323, Dec. 26.

Skellett, Albert M., Madison, assignor to National Union Radio Corporation, Orange, N. J. Electrooptical dark trace storage tube. 2,535,817, Dec. 26.

Skelley, Jack J., Butte, Mont. Undulating track roundabout. 2,509,944, May 30.

Skelly, James J.: *See*—
Black, John F., and Skelly.

Skelly, Joseph F., New York, N. Y., assignor to The M. W. Kellogg Company, Jersey City, N. J. Transferring fluidized solid particles. 2,517,042, Aug. 1.

Skelton, William E.: *See*—
Arnold, George B., and Skelton.

Skelton, William E., Beacon, and G. B. Arnold, Glenham, assignors to The Texas Company, New York, N. Y. Refining oil with a solvent. 2,534,382, Dec. 19.

Skenandoa Rayon Corporation, assignee: *See*—
Brown, Alfred S., and Barrow.

Skerl, Rudolph F.: *See*—
Kraeft, Herman L., Walters, and Skerl.

Skiatron Corporation, assignee: *See*—
Rosenthal, Adolph H.
Wikkenhauser, Gustav.

Skidmore, Wallace E.: *See*—
Terdina, Frank, and Skidmore.

Skillman, Thomas S.: *See*—
McGibbon, Reginald H., Skillman, and Owen.

Skillman, Thomas S., Mosman, near Sydney, assignor to Punch Engineering Pty. Limited, Cammeray, near Sydney, New South Wales, Australia. Variable frequency remote-control system. 2,509,617, May 30.

Skillman, Thomas S., Mosman, near Sydney, assignor to Punch Engineering Pty. Limited, Cammeray, near Sydney, New South Wales, Australia. Changing the transmission carrier frequencies in multichannel signaling and communication systems. 2,528,090, Oct. 31.

Skillman, Thomas S., Mosman, near Sydney, assignor to Punch Engineering PTY Limited, Cammeray, near Sydney, New South Wales, Australia. Heating and cooling system. 2,533,407, Dec. 12.

Skillman, Thomas S., Mosman, near Sydney, assignor to Punch Engineering Pty. Limited, Cammeray, near Sydney, New South Wales, Australia. Article dispensing system. 2,535,461, Dec. 26.

Skinner, Bronson C., Dunedin, Fla. Apparatus for cooking solids in liquids. 2,531,378, Nov. 21.

Skinner, Carl G., Bell, Calif. Bobby-pin holder and opener. 2,513,971, July 4.

Skinner, Claude M., Jr.: *See*—
Schultz, Mortimer A., and Skinner.

Skinner, Claude M., Jr., Catonsville, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Dumping means. 2,507,227, May 9.

Skinner, Clawson N., Whittier, Calif. Dental pattern. 2,508,546, May 23.

Skinner, Davis A., Compton, and T. F. Doumani, assignors to Union Oil Company of California, Los Angeles, Calif. Antifouling paints. 2,533,744, Dec. 12.

Skinner, Garnett C., Evanston, Ill. Foot cushion. 2,498,624, Feb. 21.

Skinner, George M., Kenmore, N. Y., assignor to The Linde Air Products Company. Powder dispensing. 2,533,331, Dec. 12.

Skinner, Leslie A., Berkeley, Calif. Side venting rocket. 2,510,147, June 6.

Skinner, Leslie A., Takoma Park, Md. Liquid fuel jet propulsion system. 2,505,798, May 2.

Skinner, Leslie A., Washington, D. C., and E. G. Uhl, Elizabeth, N. J., assignors to the United States of America as represented by the Secretary of War. Rocket projector. 2,496,316, Feb. 7.

Skinner, Leslie A., Berkeley, Calif., and J. A. Folse, Miami, Fla. Rocket projector. 2,504,160, Apr. 18.

Skinner Motors, Inc., assignee: *See*—
Kasten, Walter.

Skinner Motors, Inc., (Delaware), assignee: *See*—
Kasten, Walter.

Skipwirth, Grey, administrator: *See*—
Lombard, Adrian A., and Gourlay.

Skirow, Ben and N., Chicago, Ill. Shoulder pad for garments and the like. 2,511,483, June 13.

Skirow, Nathan: *See*—
Skirow, Ben and N.

Skirvin, Woodrow, assignee: *See*—
Kerby, Harmon C.

Skivenes, Albert O., Chicago, Ill. Necktie holder. 2,516,429, July 25.

Sklar, J., Manufacturing Co., Inc., assignee: *See*—
Gusberg, Saul B., and Sovatkin.
Sovatkin, Edward J.
Sklar, Samuel, New York, N. Y. Drapery and curtain hanger. 2,535,655, Dec. 26.
Sklarek, Clifford, Los Angeles, Calif. Adjustable light mounting. 2,499,611, Mar. 7.
Sklenar, Wenzeslaw F., assignor of one-fourth to J. H. Ehardt, Chicago, Ill. Reverberatory furnace for melting metals. 2,510,352, June 6.
Skoda Works, National Corporation, assignee: *See*—
Frynta, Vilem.
Skog, Henry A., Olympia, Wash., assignor to Special Equipment Company, Portland, Oreg. Peach pitting blade and making the same. 2,512,688, June 27.
Sköld, Karl W. Ramnas, Sweden. Shackle, particularly for ship and anchor chains. 2,524,935, Oct. 10.
Skolnick, Max, New York, N. Y. Combination ruler and compass. 2,505,437, Apr. 25.
Skolnik, Samuel, Los Angeles, Calif. Calculator. 2,535,374, Dec. 26.
Skomp, Clifford E., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Low-pressure absorption refrigeration. 2,510,763, June 6.
Skoog, Ralph G.: *See*—
Griffin, Joseph F., and Skoog.
Skoog, Robert W., Borger, and W. F. Seeger, Corpus Christi, Tex., assignors to United Carbon Company, Inc. (Maryland), Charleston, W. Va. Densifying of carbon black. 2,502,106, Mar. 28.
Skooglund, Arthur C., Clark Township, Union County, N. J., assignor to Standard Oil Development Company. Extruder reactor. 2,494,588, Jan. 17.
Skopal, Jan, assignor to Meopta, Consolidated Factories for Fine Mechanical and Optical Instruments, National Corporation, Prerov, Czechoslovakia. Photographic teleobjective. 2,514,591, July 11.
Skopecek, George R., Berkeley, Calif. Reflux splitter. 2,518,574, Aug. 15.
Skovbo, Albert E., Porland, Oreg. Coin vending machine. 2,499,199, Feb. 28.
Skow, Ross E., assignor to Baltimore Paper Company, Kansas City, Mo., Elevator for raising workpieces. 2,513,433, July 4.
Skudre, Arnold M.: *See*—
Modlowski, Peter M., and Skudre.
Skupien, Frank, Chicago, Ill. Microviewer. 2,502,178, Mar. 28.
Skwaryk, Frank, Erie, Pa. Stabilizing device. 2,507,276, May 9.
Slaback, Travis W., Chanute, Kans. Bumper guard and trailer hitch. 2,525,964, Oct. 17.
Slack, Charles M., Glen Ridge, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Dual focus X-ray apparatus. 2,530,182, Nov. 14.
Slack, Francis M., Pecos, Tex. Universal cam action valve lifter. 2,523,069, Sept. 19.
Slack, Fred A., Jr., Ardmore, assignor to H. D. Justi & Son, Inc., Philadelphia, Pa. Impression materials 2,516,155. July 25.
Slack, Frederick F., Medford, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Electrical circuit. 2,516,533, July 25.
Slade, Roland E.: *See*—
Sexton, William A., Slade, and Templeman.
Sladek, Melvin G., and R. M. Proby, Chicago, Ill. Child's garment. 2,502,393, Mar. 28.
Sladky, Joseph F.: *See*—
Wahlberg, Nils E., and Sladky.
Slagh, Harold R.: *See*—
Britton, Edgar C., and Slagh.
Slaght, William W.: *See*—
Smith, William J., and Slaght.
Slaker, Frank V., assignor to Edwards & Company, Inc., Norwalk, Conn. Cable clamping device. 2,531,003, Nov. 21.
Slamon, Florence K., New Brunswick, and D. C. Stanley, Elizabeth, N. J., asignors to Industrial Tape Corporation. Attaching fastening elements to flexible sheet material. 2,524,842, Oct. 10.
Slater, Charles F.: *See*—
Wyatt, Frank A., and Slater.
Slater, Clarence R., assignor of forty-nine per cent to J. W. Slater, Lewisville, Tex. Cotton stalk cutter with rotary cutting reels. 2,529,358, Nov. 7.
Slater, Estelle, New York, N. Y. Bifurcated garment. 2,519,202, Aug. 15.
Slater, Eugene R., Oil City, Pa. Fish lure. 2,501,103, Mar. 21.
Slater, Fred M., Phillipsburg, N. J., assignor to Ingersoll-Rand Company, New York, N. Y. Pressure booster. 2,532,679, Dec. 5.
Slater, John W., assignee: *See*—
Slater, Clarence R.
Slater, N., Company, Limited, assignee: *See*—
Milne, Winford G.
Slater, Reginald, Columbus, Ohio. Pivoted low center of gravity animated toy. 2,520,572, Aug. 29.
Slaterus, Wolter, Amsterdam, Netherlands. Multicylinder piston engine. 2,514,728, July 11.
Slatkay, Joseph R.: *See*—
Morris, Lloyd P., and Slatkay.
Slatkin, Alfred D., Toronto, Ontario, Canada. Patch vulcanizing apparatus. 2,504,460, Apr. 18.
Slatrow, Charles J., Waltham, Mass. Rack actuated roundabout toy. 2,519,710, Aug. 22.
Slatter, Brian H.: *See*—
Lindsey, William H., and Slatter.
Slattery, John J., Spring Lake, N. J. Transmitter biasing circuit. 2,520,174, Aug. 29.
Slattery, Thomas P., assignee: *See*—
Conradson, Prentice H.
Slaughter, Bernard J., Jr., and R. W. Brown, assignors to The Crane & Breed Casket Company, Cincinnati, Ohio. Casket latch. 2,506,553, May 2.
Slaughter, Bernard J., Jr., and R. W. Brown, assignors to The Crane & Breed Casket Company, Cincinnati, Ohio. Burial casket liner. 2,524,402, Oct. 3.
Slaughter, Charles E., New Canaan, assignor to Extruded Plastics, Inc., Norwalk, Conn. Packaging by extrusion. 2,503,518. Apr. 11.
Slaughter, John R., Dallas, Tex. Chair. 2,494,838, Jan. 17.
Slauson, Dudley R., San Gabriel, Calif. Trigger-actuated, noise-producing toy gun. 2,518,390, Aug. 8.
Slauson, Stephen A., assignor to National Stamping & Plating Corporation, Cedar Rapids, Iowa. Meat tenderizer. 2,495,989, Jan. 31.
Slavek, Frederick R., New York, N. Y. Ornamental wreath construction. 2,509,748, May 30.
Slavico, Alexander P., Baltimore, Md. Wheel chock. 2,496,499, Feb. 7.
Slavin, Lawrence E., Homer, Territory of Alaska. Oarlock. 2,523,849. Sept. 26.
Slavsky, John R.: *See*—
Slavsky,, Robert J. and J. R.
Slavsky, John R. and R. J., assignors to Shaw & Slavsky, Inc., Detroit, Mich. Self-locking price tag molding. 2,507,937, May 16.
Slavsky, Robert J.: *See*—
Slavsky, John R. and R. J.
Slavsky, Robert J. and J. R., assignors to Shaw and Slavsky, Inc., Detroit, Mich. Knife handle construction. 2,529,618, Nov. 14.
Slaymaker, Frank H., and W. F. Meeker, assignors to Stromberg-Carlson Company, Rochester, N. Y. Adjustable acoustic impedance. 2,514,344, July 4.
Slayter, Games, Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation. Apparatus for forming ribbons of glass and other thermoplastic materials. 2,509,845, May 30.
Slayter, Games, Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation. Resilient glass fiber mat. 2,528,091, Oct. 31.
Slayter, Games, and E. Fletcher, Newark, assignors to Owens-Corning Fiberglas Corporation, Toledo, Ohio. Apparatus for producing glass fibers. 2,515,738, July 18.
Slayter, Games, and E. Fletcher, Newark, assignors to Owens-Corning Fiberglas Corporation, Toledo, Ohio. Method and apparatus for manufacturing fibrous products. 2,526,775, Oct. 24.
Slayton, John W., Jr., Pittsburgh, Pa. Tool. 2,505,726, Apr. 25.
Sleegers, Paulus A. W. M.: *See*—
De Lange, Cornelis, and Sleegers.
Sleeper, George E., Jr., and G. W. McPeak, Berkeley, Calif.; said McPeak assignor to said Sleeper, Jr. Valve. 2,505,998, May 2.
Sleepmakers, Inc., assignee: *See*—
Banaszah, Joseph.
Sleight, Roland E., Philadelphia, Pa. Printing press brake. 2,534,075. Dec. 12.
Slemmons, Charles O., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Band power transmission. 2,494,065, Jan. 10.
Slemmons, Charles O., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Self-laying track. 2,494,066, Jan. 10.
Slemmons, Charles O., South Bend, Ind., assignor to The B. F. Goodrich Company, New York, N. Y. Liquid-filled tire. 2,526,164, Oct. 17.
Slencil Co., The, assignee: *See*—
Harris, Carl C.
Slentz, Louis A. C.: *See*—
Baney, Harry N., Slentz, Kirkpatrick, and Brickley.
Slepica, William, Seattle, Wash. Securing clip for fish plugs. 2,497,473, Feb. 14.
Slepicka, August H., Oak Park, assignor to Frank B. Lomax Co., Chicago, Ill. Filter. 2,522,904, Sept. 19.
Slesinger, Stephen, Redding Ridge, Conn. Making a motion-picture film with balloon legends thereon. 2,524,276, Oct. 3.
Sletner, Peder G., Oslo, Norway. Electrical heating body. 2,494,589, Jan. 17.
Slettengren, Anders I. K., Goteborg, assignor to Verkstads-A. B. Haldex, Halmstad, Sweden. Machine for cutting sheet metal. 2,494,413, Jan. 10.
Slick, Polly N., assignor to Institute of Inventive Research, San Antonio, Tex. Baby bottle nipple punch. 2,534,076, Dec. 12.
Slick, Thomas, assignor to Institute of Industrial Research, San Antonio, Tex. Brush puller. 2,535,099, Dec. 26.

Slifer, Wilmer L., Middletown, and R. H. Summers, Boonsboro, Md. Hot-air heating system. 2,524,843, Oct. 10.

Slifkin, Sam C., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Diazotype materials stabilized with an α-alkylidene-polymethylene dicarboxylic acid. 2,495,827, Jan. 31.

Slifkin, Sam C., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Change of shade of diazotype images by treatment with moist sulfur dioxide vapors. 2,500,096, Mar. 7.

Slifkin, Sam C., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Intensification of the image of diazotype light-sensitive layers. 2,523,882, Sept. 26.

Slifkin, Sam C., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Diazotype dry strip film. 2,528,395, Oct. 31.

Slifkin, Sam C., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Acetonitriles as azo components in diazotypes. 2,531,004, Nov. 21.

Slifkin, Sam C., and T. J. Trojnar, Binghamton, assignors to General Aniline & Film Corporation, New York, N. Y. Cyan component for diazotype color process. 2,494,906, Jan. 17.

Slifkin, Sam C., Binghamton, and H. C. Unkauf, Endicott, assignors to General Aniline & Film Corporation, New York, N. Y. Diazotype photographic material. 2,532,126, Nov. 28.

Slinger, Frank H., Blackley, Manchester, and W. W. Tatum, Trevone, near Padstow, Cornwall, England, assignors to Imperial Chemical Industries Limited. Dyestuffs of the anthraquinone series. 2,517,935, Aug. 8.

Slinkard, Raymond L., and A. B. Miller, Cape Girardeau, Mo., assignors to United Shoe Machinery Corporation, Flemington, N. J. Thread cutter for bobbin winders. 2,514,423, July 11.

Sloan, David H., Silver Spring, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electronic tube apparatus. 2,504,894, Apr. 18.

Sloan, Earl L.: *See*—
Wobker, Burle F., Sloan, and Briggs.

Sloan, Harry E., assignor to The Cushman Chuck Company, Hartford, Conn. Compensating-jaw chuck. 2,524,485, Oct. 3.

Sloan, James A.: *See*—
Russell, Irving H., and Sloan.

Sloan Valve Company, assignee: *See*—
Binnall, Frederick C., and Miller.
Filliung, Jacques J., Jr.
Miller, Malcolm T., Binnall, and Krause.
Russell, Irving H.
Russell, Irving H., and Sloan.

Sloane, Bette, Brooklyn, N. Y. Coat hanger trouser holding attachment. 2,494,727, Jan. 17.

Sloane, Max: *See*—
Sloane, Nathan and M.

Sloane, Milton, Hartford, Conn. Collapsible container. 2,529,267, Nov. 7.

Sloane, Nathan and M., Brooklyn, N. Y. Article holding support for telephone handset bases. 2,498,770, Feb. 28.

Sloane, Robert W.: *See*—
Fricke, Guy C., and Sloane.

Sloane, William C., Brookline, Mass. Combination toy bank and jack-in-the-box. 2,521,131, Sept. 5.

Sloane, William W., assignor to Goodman Manufacturing Company, Chicago, Ill. Drive mechanism for inertia propelling devices. 2,500,962, Mar. 21.

Sloane, William W., assignor to Goodman Manufacturing Company, Chicago, Ill. Fluid operated lifting device. 2,532,342, Dec. 5.

Slobod, Robert L., Dallas, Tex., assignor to The Atlantic Refining Company, Philadelphia, Pa. Method and apparatus for recovering hydrocarbons from gaseous mixtures by freezing. 2,512,040, June 20.

Slocomb, F. F., Corporation, assignee: *See*—
Amelunxen, Johan F.

Slocombe, Basil G. B., and S. M. Fulton, Spondon, near Derby, England, assignors to Celanese Corporation of America. Textile apparatus. 2,493,902, Jan. 10.

Slocum, Arthur G., Ensign, Kans. Portable conveyer for grain and other materials. 2,528,917, Nov. 7.

Slomer, Joseph J., assignor to Goodman Manufacturing Company, Chicago, Ill. Cable reel. Re. 23,300, Nov. 28.

Slomer, Joseph J., assignor to Goodman Manufacturing Company, Chicago, Ill. Hydraulic control valve. 2,532,343, Dec. 5.

Slonczewski, Thaddeus, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Calibration system. 2,508,547, May 23.

Slonneger, Bruce K., assignor to The National Cash Register Company, Dayton, Ohio. Sheet holder. 2,524,118, Oct. 3.

Slonneger, Bruce K., Dayton, Ohio. Sheet holder. 2,526,091, Oct. 17.

Slonneger, Bruce K., assignor to The National Cash Register Company, Dayton, Ohio. Sales book holder. 2,526,909, Oct. 24.

Slonneger, Bruce K. and C. S., Washington, Ill; said C. S. assignor to said B. K. Slonneger. Salesbook holder. 2,526,090, Oct. 17.

Slonneger, Clifford S.: *See*—
Slonneger, Bruce K. and C. S.

Sloof, Floris C. W.: *See*—
Kleis, Derk, van Tol. Bourgonjon, and Sloof.

Slooff, Florus C. W., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Cooler of discharge tubes. 2,520,262, Aug. 29.

Slopa, George W., Chicago, Ill. Door latch. 2,514,904, July 11.

Slopa, George W., Chicago, Ill. Compensating hinge. 2,535,324, Dec. 26.

Slopa, Robert E., Chicago, Ill. Overlap hinge. 2,521,756, Sept. 12.

Sloss, Harold G., Ellwood City, Pa. Ladder bracket. 2,503,137, Apr. 4.

Slotter, Richard L., Minneapolis, Minn., and R. A. Anderson, Peoria, Ill., assignors to the United States of America as represented by the Secretary of Agriculture. Wet milling of grain sorghum. 2,527,585, Oct. 31.

Slottman, George V., assignor to Air Reduction Company, Incorporated, New York, N. Y. Decarburization of steel. 2,502,284, Mar. 28.

Slottman, George V., New York, N. Y., and P. M. Hulme, Stamford, Conn., assignors to Air Reduction Company, Incorporated, New York, N. Y. Manufacture of open-hearth steel. 2,515,670, July 18.

Slough, Frank M., Lakewood, assignor to The General Industries Company, Elyria, Ohio. Friction drive mechanism for phonograph turntables. 2,518,826, Aug. 15.

Slowter, Edward E.: *See*—
Henderson, Ashland S., Slowter, and Gonser.

Slusher, Frank, Carpinteria, Calif., assignor to The B. F. Goodrich Company, New York, N. Y. Forming apertures in elastic articles. 2,532,739, Dec. 5.

Slutz, Thomas W., Cleveland, assignor to J. M. Powers, Cleveland Heights, Ohio. Smoking pipe. 2,494,268, Jan. 10.

Slutzker, Louis, Altoona, Pa. Marble runway game. 2,528,250, Oct. 31.

Slyh, John A., Fostoria, M. Janes, Lakewood, and E. G. Doying, Berea, Ohio, assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Production of activated carbon. 2,508,474, May 23.

Smaby, Marcus E., Seattle, Wash., assignor to Boeing Airplane Company. True air speed meter. 2,493,931, Jan. 10.

Small, Arthur V., Augusta, Kans. Beecomb foundation. 2,494,907, Jan. 17.

Small, Augustus B., and R. M. Thomas, Baton Rouge, La., assignors to Standard Oil Development Company. Solvent resistant low temperature lubricant. 2,514,296, July 4.

Small, Donald, Johnstown, Pa. Combined collapsible tube holder and dispenser. 2,507,651, May 16.

Small, Edward F., Newton, assignor to Compo Shoe Machinery Corporation, Boston, Mass. Heel attaching machine. 2,494,494, Jan. 10.

Small, Edward F., Newton, Mass. Fishing reel. 2,514,345, July 4.

Small, Frank S., St. Louis, Mo., assignor of one-third to Byron Nugent, Evansville, Ind. Assembly of roofing and siding units. 2,511,083, June 13.

Small, James K.: *See*—
McAteer, James H., Morrell, Small, and Yowell.

Small, John H., Buffalo, N. Y., assignor to American Optical Company, Southbridge, Mass. Microscope objective. 2,520,019, Aug. 22.

Small, La Verne D.: *See*—
Cavallito, Chester J., and Small.

Small, Thomas W., deceased, by A. S. Koehlinger, executrix, Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Record changing mechanism for phonographs. 2,527,586, Oct. 31.

Small, Wallace H., Waltham, assignor to Raytheon Manufacturing Company, Newton, Mass. Molding apparatus. 2,526,588, Oct. 17.

Smalley, Albert N., Corning, Ark. Removable slat for Venetian blinds. 2,497,803, Feb. 14.

Smalley, Dean F., East Lynn, Mass., assignor to General Electric Company. Dynamoelectric machine. 2,534,150, Dec. 12.

Smalley, Harold B.: *See*—
Warner, Ralph, and Smalley.

Smalley, May L., Malden, Mass. Doll and making same. 2,535,818, Dec. 26.

Smalley, Oliver, Larchmont, N. Y. Producing nodular cast iron. 2,527,037, Oct. 24.

Smalley, Theodore L., New London, Conn. Storm window. 2,515,572, July 18.

Smalley, Theodore L., New London, Conn. Adjustable sill block. 2,523,070, Sept. 19.

Smallpeice, Cosby D. P., Swanwick Shore, Southampton, England. Fluid-operated hoist. 2,500,879, Mar. 14.

Smalls, Kermit O., assignor to Grossberg Manufacturing Corporation, Chicago, Ill. Shampooing headrest. 2,516,601, July 25.

Smallwood, Albert E., Taunton, Mass., assignor to Servel, Inc., New York, N. Y. Cooking range. 2,530,183, Nov. 14.

Smart, Glenn J., Lander, Wyo. Air cleaner and humidifier. 2,522,805, Sept. 19.

Smart, Lee, and S. Valentine, Jr., Pittsburgh, Pa. Moisture guard for chimneys. 2,501,011, Mar. 21.
Smart, Leonard E. S., Lincoln, assignor of one-half to Andrews & Beaven Ltd., Christ Church, Canterbury, New Zealand. Swath lifter and aerator. 2,502,599, Apr. 4.
Smart, Miles J., and W. P. O. Wolle, Oklahoma City, Okla., said Wolle assignor to said Smart. Device for steering towed equipment. 2,510,525, June 6.
Smatt, Edward, assignee: *See*—
Marshaus, Anthony J.
Smayda, Eugene J., Jr., University Heights, Ohio. Cabinet. 2,503,599, Apr. 11.
Smelker, Dorothy, assignee: *See*—
Smelker, Le Roy.
Smelker, Helen M., assignee: *See*—
Smelker, Le Roy.
Smelker, James D., assignee: *See*—
Smelker, Le Roy.
Smelker, Le Roy, Dayton, Ohio, assignor of one-eleventh to H. M. Smelker, one-eleventh to R. D. Smelker, one-eleventh to D. Smelker, one-eleventh to J. D. Smelker, one-eleventh to L. K. Smelker, one-eleventh to D. Bench, one-eleventh to H. V. Bench, one-eleventh to T. E. Bench, one-eleventh to P. F. Bench, and one-eleventh to M. J. Bench. Car cabin. 2,493,368, Jan. 3.
Smelker, Linda K., assignee: *See*—
Smelker, Le Roy.
Smelker, Roy D., assignee: *See*—
Smelker, Le Roy.
Smelt, Josephus A. M., Eindhoven, Netherlands, assignor to Hartford National Bank & Trust Co., Hartford, Conn., as trustee. Manufacturing magnetic mass cores. 2,499,789, Mar. 7.
Smeltzer, Raymond F., Towson, Md., assignor to Bendix Aviation Corporation, South Bend, Ind. Variable frequency oscillator. 2,519,000, Aug. 15.
Smeltzer, Raymond F., assignor to Bendix Aviation Corporation, Towson, Md. High impedance antenna. 2,523,728, Sept. 26.
Smeltzer, Raymond F., assignor to Bendix Aviation Corporation, Towson, Md. Automatic volume control. 2,535,325, Dec. 26.
Smeltzly, Harold K., assignor to Modern Controls, Inc., Chicago, Ill. Producing constant current from constant potential. 2,512,976, June 27.
Smerechniak, Jerry J., and G. W. Barlow, Stamford, Conn.; said Smerechniak now by change of name Jerry J. Sherwood; assignors to American Cyanamid Company, New York, N. Y. Treating tall oil. 2,515,739, July 18.
Smid, Rudolph, Chicago, Ill. Intermittent projector movement. 2,497,915, Feb. 21.
Smidl, Joseph J., Portland, Oreg. Finger shield. 2,514,975, July 11.
Smidl, Joseph J., Portland, Oreg. Device for guarding finger from application of nail polish. 2,518,391, Aug. 8.
Smidth, F. L., & Co., assignee: *See*—
Andersen, Joakim U. F.
Borch, Niels S.
Nielsen, Sigurd.
Ronne, Einar.
Smilansky, Stephen, assignor to Airdraulics Engineering, Inc., New Canaan, Conn. Torque tool. 2,525,379, Oct. 10.
Smiley, Joseph C., Jr., assignor of one-half to D. T. Wilson, Philadelphia, Pa. Kingpin bearing assembly. 2,512,881, June 27.
Smiley, Joseph C., Jr., assignor of one-half to D. T. Wilson, Philadelphia, Pa. Electron tube structure. 2,529,820, Nov. 14.
Smit, Johannes J.: *See*—
Van der Tuuk, Jacob H., and Smit.
Smith, A. L., Iron Company, assignee: *See*—
Kruger, Michael H.
Smith, A. O., Corporation, assignee: *See*—
Elder, Irvin L.
Ernestus, Adolph W.
Gruetjen, Frederick.
Gruetjen, Frederick A.
Harlamoff, Anatol J.
Heath, William C.
Lindsay, Edwin H.
Malke, Sven.
Malmsten, Philip C.
Martin, Wesley G.
Martin, Wesley G., and Raeuber, Jr.
Needham, Howard H.
Sawyer, Marion B., Sr., and Reigel.
Schmitz, Henry A., Jr.
Tiedemann, Julius B.
Smith, Adrian C., Cheltenham, assignor to The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Apparatus for treating textiles. 2,516,349, July 25.
Smith, Aesculapius M., Chicago, Ill. Foot measuring device. 2,531,477, Nov. 28.
Smith, Albert A., Glenn Dale, Md. Metallic plate construction. 2,534,311, Dec. 19.
Smith, Albert M., and E. Hart, Columbus, Ohio. Heat-fusible safety link for insertion within a hot-air conduit of a heating system. 2,498,382, Feb. 21.
Smith, Albert W., Kenmore, assignor to Rice & Adams Corporation, Buffalo, N. Y. Can washer. 2,522,310, Sept. 12.
Smith, Alexander: *See*—
Smith, Lucius N., and Alexander.
Smith, Alexander, & Sons Carpet Company, assignee: *See*—
Allison, Robert C.
Pfau, Julius H.
Potts, Herbert J.
Smith, Allan K.: *See*—
Babcock, Glen E., and Smith.
Evans, Cyril D., Ofelt, and Smith.
Smith, Alonzo L., Houston, Tex. Core analysis. 2,531,083, Nov. 21.
Smith, Alonzo L., Houston, Tex. Well surveying device. 2,534,632, Dec. 19.
Smith, Alva T., Milwaukee, Wis. Fuel can with self-erecting flexible spout. 2,516,728, July 25.
Smith, Alvin W.; J. G. Robinson, administrator of said A. W. Smith, deceased, assignor to E. L. Bauer, Cincinnati, Ohio. Reversible target. 2,494,210, Jan. 10.
Smith, Andrew I.: *See*—
Farkas, Adalbert, and Smith.
Smith, Archie E., Stratford, Conn., assignor to General Electric Company. Tank type vacuum cleaner. 2,532,264, Nov. 28.
Smith, Arnold M., Minneapolis, Minn. Transparent display necktie press. 2,513,755, July 4.
Smith, Arthur A., St. Louis, Mo., assignor to A. K. Smith, Gloucester, Mass. Carbonating apparatus. 2,527,659, Oct. 31.
Smith, Arthur B., Bayshore, N. Y. Fishing harness. 2,499,117, Feb. 28.
Smith, Arthur D., assignor to Barium Steel Corporation, Canton, Ohio. Apparatus for making ice cubes. 2,508,625. May 23.
Smith, Arthur E., Darling Point, Sydney, New South Wales, Australia. Divided suction mold. 2,515,060, July 11.
Smith, Arthur E., Los Angeles, Calif. Hypodermic syringe. 2,495,025, Jan. 17.
Smith, Arthur E., Los Angeles, Calif. Hypodermic syringe. 2,495,026, Jan. 17.
Smith, Arthur E., Los Angeles, Calif. Syringe. 2,495,027, Jan. 17.
Smith, Arthur E., Los Angeles, Calif. Disposable syringe. 2,497,562, Feb. 14.
Smith, Arthur E., Los Angeles, Calif. Ampoule syringe. 2,497,563, Feb. 14.
Smith, Arthur E., Los Angeles, Calif. Syringe construction. 2,505,307, Apr. 25.
Smith, Arthur E., Los Angeles, Calif. Ampoule for hypodermic syringes. 2,505,308, Apr. 25.
Smith, Arthur E., Los Angeles, Calif. Disposable ampoule syringe. 2,524,362, Oct. 3.
Smith, Arthur E., Los Angeles, Calif. Disposable syringe. 2,524,363, Oct. 3.
Smith, Arthur E., Los Angeles, Calif. Container closure. 2,524,364, Oct. 3.
Smith, Arthur E., Los Angeles, Calif. Closure. 2,524,365, Oct. 3.
Smith, Arthur E., Los Angeles, Calif. Receptacle closure. 2,524,366, Oct. 3.
Smith, Arthur E., Los Angeles, Calif. Hypodermic ampoule syringe. 2,524,367, Oct. 3.
Smith, Arthur E., Los Angeles, Calif. Container closure device. 2,524,607, Oct. 3.
Smith, Arthur F.: *See*—
Carroll, Fred M., and Smith.
Smith, Arthur F., Brooklyn, N. Y. Pneumatic suspension means. 2,496,893, Feb. 7.
Smith, Arthur K., assignee: *See*—
Smith, Arthur A.
Smith, Arthur L.: *See*—
Clapham, Harry F., and Smith.
Smith, Arthur L., Scotch Village, Nova Scotia, Canada. Electric junction box and the like and cable clamp for the same. 2,532,427, Dec. 5.
Smith, Arthur L., Torrance, assignor of one-half to L. T. Leslie, Tujunga, Calif. Magnetic flaw detecting device. 2,526,977, Oct. 24.
Smith, Arthur L. J., Lancaster, Pa., assignor to Radio Corporation of America. Making a zinc oxide phosphor. 2,529,711, Nov. 14.
Smith, Arthur R., Binghamton, England. Hopper vertically adjustable for sealing contact with cover. 2,531,305, Nov. 21.
Smith, Arthur R., Birmingham, G. A. Lee and C. J. Hopkins, Cuffley, England. Glass severing mechanism. 2,494,674, Jan. 17.
Smith, Arthur R., Birmingham, and G. A. Lee and C. J. Hopkins, Cuffley, England. Machine for packeting small measured quantities of seed or granular or powdered materials in paper envelopes. 2,509,320, May 30.
Smith, Arthur W., assignor of one-half to M. D. Lanfre, Los Angeles, Calif. Power-operated hand tool. 2,526,976, Oct. 24.
Smith, Austin G., Blaby, assignor to Power Jets (Research & Development) Limited, London, England. Air intake arrangement for supersonic aircraft. 2,503,973, Apr. 11.
Smith, Barclay F.: *See*—
Kruszynski, Edward A., and Smith.

Smith, Barton E., Massillon, Ohio. Orthodontal instrument. 2,532,200, Nov. 28.
Smith, Belmont D., Eaton, Ohio. Venting plug for welding rods. 2,531,005, Nov. 21.
Smith, Ben I.: *See*—
Mansfield, Samuel A., Taylor, and Smith.
Smith, Bernard W., Winston-Salem, N. C., assignor to Western Electric Company, Incorporated, New York, N. Y. Projection vibration indicator. 2,535,326, Dec. 26.
Smith, Bert: *See*—
Stibbe, Edward V., and Smith.
Smith, Betty A., East Anchorage, Alaska. Outer garment. 2,507,322, May 9.
Smith, Blanchard D., Atlanta, Ga., assignor to Scripto Inc. Mechanical pencil. 2,511,301, June 13.
Smith, Blanchard D., Atlanta, Ga. Bead loosening tire tool. 2,511,743, June 13.
Smith, Blanchard D., Atlanta, Ga., assignor to Scripto, Inc. List finder. 2,512,840, June 27.
Smith, Blanchard, D., Atlanta, Ga., assignor to N. J. Jewett, Arlington County, Va. Chip dispenser. 2,515,904, July 18.
Smith, Blanchard D., assignor to Scripto, Inc., Atlanta, Ga. Mechanical pencil with screw feed and hopper type magazine. 2,532,791, Dec. 5.
Smith, Bruce M.: *See*—
Dunn, John R., and Smith.
Smith, Buford R., Mishawaka, Ind. Sand drier. 2,535,605, Dec. 26.
Smith, Burl, Shively, W. Va. Wire stretcher. 2,504,599, Apr. 18.
Smith, C. R.: *See*—
Phillipi, Earl L., and Smith.
Smith Cannery Machines Company, assignee: *See*—
Erickson, Alvin L.
Oates, Norford L.
Smith, Carl E., Cleveland, Ohio, assignor of one-half to United Broadcasting Company. Elliptical polarization electromagnetic energy radiation system. 2,532,428, Dec. 5.
Smith, Carl H., Jr., Arlington, Va. Electronic counter circuit. 2,518,499, Aug. 15.
Smith, Carl H., Jr., Arlington, Va., and C. H. Hoeppner, Washington, D. C. Multivibrator count down circuits. 2,515,271, July 18.
Smith, Carlos W.: *See*—
Houpt, Alfred G., and Smith.
Smith, Carlos W., Springfield, Oreg. Grease collector. 2,526,166, Oct. 17.
Smith, Cecil W., Waterman, Ill. Air control unit for oil burners. 2,531,538, Nov. 28.
Smith, Cecil W., Waterman, Ill. Burner nozzle with flame control means. 2,535,166, Dec. 26.
Smith, Charles B.: *See*—
Haeff, Andrew V., Hanley, and Smith.
Smith, Charles B., Portland, assignor to United Aircraft Corporation, East Hartford, Conn. Directional control of propulsive jets. 2,526,510, Oct. 17.
Smith, Charles E., Bloomington, Ill. Pencil holder. 2,515,741, July 18.
Smith, Charles E., Pittsburgh, Pa. Chalk-writing board of molded plastic material. 2,498,586, Feb. 21.
Smith, Charles G., Medford, assignor to Raytheon Manufacturing Company, Newton, Mass. Gaseous discharge device. 2,502,236, Mar. 28.
Smith, Charles G., Medford, assignor to Raytheon Manufacturing Company, Newton, Mass. Radio beacon system. 2,502,394, Mar. 28.
Smith, Charles G., Medford, assignor to Raytheon Manufacturing Company, Newton, Mass. Gaseous discharge device. 2,504,231, Apr. 18.
Smith, Charles L., San Diego, Calif. Automobile refrigerator. 2,495,350, Jan. 24.
Smith, Charles L., San Diego, Calif. Air conditioning apparatus. 2,495,351, Jan. 24.
Smith, Charles R., Chicago, Ill. Roofing and waterproofing machine. 2,500,583, Mar. 14.
Smith, Charles S., Arlington, Va. Folded partitioned tray with transparent wrapper. 2,528,016, Oct. 31.
Smith, Charles W.: *See*—
Robrecht, Charles J., and Smith.
Smith, Charles W., Muskegon, Mich. Apparatus for separating relatively heavy particles from liquid. 2,518,084, Aug. 8.
Smith, Charles W., Muskegon, Mich. Evaporator. 2,522,905, Sept. 19.
Smith, Charlie W., St. Louis, Mo. Golf tee. 2,530,088, Nov. 14.
Smith, Clarence C.: *See*—
Le Vesconte, Harold J., Schweda, and Smith.
Sauer, George, and Smith.
Smith, Clarence C., assignor to Union Special Machine Company, Chicago, Ill. Sewing machine. 2,502,350, Mar. 28.
Smith, Clarence C., Flushing, N. Y., assignor of one-half to E. F. Hartley, Onancock, Va. Photographic enlarger. 2,530,843, Nov. 21.
Smith, Clarence E.: *See*—
Anthony, Leonard R., Frenkel, Smith, and Wicking.
Smith, Claude R., Philadelphia, Pa., assignor to the United States of America as represented by the Secretary of Agriculture. Nicotine compounds containing univalent copper. 2,512,689, June 27.
Smith, Claude R., Philadelphia, Pa., assignor to the United States of America as represented by the Secretary of Agriculture. Nicotine compounds containing univalent copper. 2,534,835, Dec. 19.
Smith, Clifford E., assignor to A. E. Staley Manufacturing Company, Decatur, Ill. Removal of gluten from starch. 2,525,430, Oct. 10.
Smith, Clive A., New York, N. Y. Baseball mitt or glove. 2,521,488, Sept. 5.
Smith, Clovis W., Worthington, and J. E. Warner, Columbus, Ohio, assignors to Curtiss-Wright Corporation. Aircraft wheel centering mechanism. 2,535,167, Dec. 26.
Smith, Clyde E.: *See*—
Thomas, Charles W., and Smith.
Smith, Clyde E., Port Homer, assignor to The Taylor-Winfield Corporation, Warren, Ohio. Control apparatus. 2,501,478, Mar. 21.
Smith, Clyde E., assignor to The Taylor-Winfield Corporation, Warren, Ohio. Energizing and timing circuits for electromagnetic devices. 2,508,973, May 23.
Smith, Clyde J., assignee: *See*—
Wemp, Ernest E.
Smith, Clyde R., Akron, Ohio. Window construction. 2,534,687, Dec. 19.
Smith, Cornelius C., Slocomb, Ala. Drier. 2,535,327, Dec. 26.
Smith, Creston A., Philadelphia, Pa. Corded seam. 2,496,820, Feb. 7.
Smith, Creston A., Philadelphia, Pa. Corded seam. 2,518,392. Aug. 8.
Smith, Curtis W.: *See*—
Harman, Denham, and Smith.
Smith, Curtis W., Berkeley, assignor to Shell Petroleum Company, San Francisco, Calif. Polycarbonylic compounds and preparation of the same. 2,516,729, July 25.
Smith, Curtis W., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Preparation of lactones. 2,526,702, Oct. 24.
Smith, Curtis W., Berkeley, and S. A. Ballard, Orinda, assignors to Shell Development Company, San Francisco, Calif. Beta-aryloxy aldehydes and preparation of the same. 2,500,582, Mar. 14.
Smith, Curtis W., and D. G. Norton, Berkeley, and S. A. Ballard, Orinda, assignors to Shell Development Company, San Francisco Co., Calif. Derivatives of dihydroypran and preparation of the same. 2,514,168, July 4.
Smith, Curtis W., Berkeley, and S. A. Ballard, Orinda, assignors to Shell Development Company, San Francisco, Calif. Synthesis of pyridine bases. 2,528,978, Nov. 7.
Smith, Dale, Englewood, Ohio. Garbage disposal unit and power head therefor. 2,508,583, May 23.
Smith, Daniel R., Donora, Pa. Drum trap. 2,520,859, Aug. 29.
Smith, Darwin G., Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Seam for stitched articles. 2,518,949, Aug. 15.
Smith, Darwin G., Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Buttonhole-length regulator for sewing machines. 2,528,321, Oct. 31.
Smith, Darwin G., and H. C. Faulkner, Bridgeport, Conn., assignors to The Singer Manufacturing Company, Elizabeth, N. J. Switch-forming mechanism for sewing machines. 2,515,740, July 18.
Smith, David B., Flourtown, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Defrosting system for refrigerating apparatus. 2,500,298, Mar. 14.
Smith, David B., Flourtown, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Muting circuit for frequency modulation radio receivers. 2,501,416, Mar. 21.
Smith, David B., Flourtown, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Television receiver. 2,505,843, May 2.
Smith, David B., Flourtown, R. G. Clapp, Haverford, A. P. Montgomery, Narberth, K. H. Emerson, and D. B. Hoffman, assignors, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Electrical system for the transmission of angular or azimuthal intelligence. 2,519,935, Aug. 22.
Smith, David C., and L. I. Oblinger, Toledo, assignors of thirty percent to E. W. Sauers and thirty percent to A. E. Giesey, Cleveland, Ohio. Door latch. 2,497,328, Feb. 14.
Smith, David C., and L. I. Oblinger, Toledo, assignors of thirty percent to E. W. Sauers and thirty percent to A. E. Giesey, Cleveland, Ohio. Door latch. 2,497,329, Feb. 14.
Smith, David C., and L. I. Oblinger, Toledo, assignors of thirty per cent to E. W. Sauers and thirty per cent to A. E. Giesey, Cleveland, Ohio. Combined door latch and lock. 2,529,230, Nov. 7.
Smith, David M., Stretford, Manchester, assignor to Metropolitan-Vickers Electrical Company Limited, London, England. Internal-combustion turbine plant. 2,520,697, Aug. 29.
Smith, Delbert L., Pittsburgh, Pa. Bolt placing tool. 2,526,910, Oct. 24.

Smith, Donald E., North Hollywood, Calif. Combined golf bag and caddy cart. 2,520,226, Aug. 29.
Smith, Donald F.: *See*—
Smith, James H. and D. F.
Smith, Douglas M.: *See*—
Ferris, Seymour W., Lamson, and Smith.
Smith, Douglas W., Stevensville, Mich., assignor, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission. Liquid air trap. 2,513,114, June 27.
Smith, Drexel V., and G. W. Miles, Mobile, Ala. Paper-making machine. 2,521,261, Sept. 5.
Smith, Drum and Company, assignee: *See*—
Liedtke, Hugo F.
Smith, Earl D., Memphis, Tenn. Egg opening means. 2,524,844, Oct. 10.
Smith, Earl G., and H. R. McDermott, assignors to Construction Machinery Company, Waterloo, Iowa. Skip lift mechanism for concrete mixing machines. 2,498,117, Feb. 21.
Smith, Earl K., West Orange, assignor to Electrons, Incorporated, Newark, N. J. Grid control metal envelope gas tube. 2,513,255, June 27.
Smith, Earle J., Midland Township, Midland County, assignor to Dow Corning Corporation, Midland, Mich. Siloxane resins. 2,528,615, Nov. 7.
Smith, Edgar M., Trenton, N. J., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Temperature responsive measuring apparatus. 2,509,046, May 23.
Smith, Edward B., assignee: *See*—
Andrew, Carl L.
Smith, Edward C., Aurora, Oreg. Nut rake. 2,495,947, Jan. 31.
Smith, Edward P., assignor to The Ohio Brass Company, Mansfield, Ohio. Electric connector. 2,502,634, Apr. 4.
Smith, Edward W., Melrose, Mass., assignor, by mesne assignments, to Raytheon Manufacturing Company. Sound ranging. 2,505,587, Apr. 25.
Smith, Edwin C.: *See*—
Collins, Laurence H., and Smith.
Smith, Edwin K.: *See*—
De Florez, Luis, Smith, and Hoover.
Smith, Edwin R., assignor to Seneca Falls Machine Company, Seneca Falls, N. Y. Air-operated rotating device and air supply and control mechanism therefor. 2,522,142, Sept. 12.
Smith, Elgene A., Llanerch, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Conversion of heavy hydrocarbon materials. 2,521,757, Sept. 12.
Smith, Elmer H., assignor to Smith Welding Equipment Corporation, Minneapolis, Minn. Cutting torch. 2,519,939, Aug. 22.
Smith, Elmer H., assignor to Smith Welding Equipment Corporation, Minneapolis, Minn. Tip for cutting blowtorches. 2,531,006, Nov. 21.
Smith, Elmer V., and E. T. Dunn, Philadelphia, Pa. Collapsible box construction. 2,525,838, Oct. 17.
Smith, Elmo D. and K. L., Eufaula, Okla. Wheel change dolly. 2,502,285, Mar. 28.
Smith, Elmore S., Weston, Ontario, Canada. Forming sheathed electrical heating elements. 2,507,825, May 16.
Smith, Emanuel A., Brooklyn, N. Y. Lettering template strip. 2,499,838, Mar. 7.
Smith, Emmett A., East Cleveland, assignor to The Lincoln Electric Company, Cleveland, Ohio. Fluxes for use in arc welding. 2,509,654, May 30.
Smith, Erasmus D., Shaker Heights, assignor to The Electric Products Company, Cleveland, Ohio. Dynamometer. 2,520,696, Aug. 29.
Smith, Erasmus D., Shaker Heights, assignor to The Electric Products Company, Cleveland, Ohio. Eddy current dynamometer. 2,529,974, Nov. 14.
Smith, Eric C., Toronto, Ontario, Canada. Atomizer for oil burners. 2,530,269, Nov. 14.
Smith, Eric O.: *See*—
Kolb, Otto K., and Smith.
Smith, Ernest P., assignor to Premier Crystal Laboratories, Incorporated, New York, N. Y. Perfume atomizer. 2,521,611, Sept. 5.
Smith, Ethel M., Haddonfield, N. J. Carrying case for suction cleaners of the horizontal tank type. 2,495,391, Jan. 24.
Smith, Eula L., Los Angeles, Calif. Cooling receptacle. 2,526,165, Oct. 17.
Smith, Everet F., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Converting lower-boiling ketones into higher-boiling ketones. 2,499,172, Feb. 28.
Smith, Everet F., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Azeotropic distillation of isopropyl alcohol from diisopropylamine. 2,512,584, June 20.
Smith, Everet F., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Azeotropic distillation of isopropyl alcohol from diisopropylamine. 2,512,585, June 20.
Smith, Everet F., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Catalytic semihydrogenation of tertiary acetylenic monohydric alcohols. 2,516,826, July 25.
Smith, F. A., Manufacturing Company, assignee: *See*—
Bean, Frank R.
Smith, F. H., Manufacturing Company, assignee: *See*—
Curtis, Clarence R.
Smith, Francis B., Lakewood, assignor to The Rola Company, Inc., Cleveland, Ohio. Permanent magnet structure for electrodynamic loud-speakers. 2,517,727, Aug. 8.
Smith, Francis H., Woodstown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Water-dispersible pastes of gas fume fading inhibitors for acetate silk dyes. 2,518,393, Aug. 8.
Smith, Frank E., Niagara Falls, N. Y. Rotary helical compressor or engine. 2,504,230, Apr. 18.
Smith, Frank J., assignee: *See*—
Huelsdonk, William A.
Smith, Frank J., Chicago, Ill. Diesel engine for aircraft. 2,505,999, May 2.
Smith, Frank J., Galveston, assignor to Pan American Refining Corporation, Texas City, Tex. Unsaturated hydrocarbon products and making same. 2,535,606, Dec. 26.
Smith, Frank R.: *See*—
Sullivan, John G., and Smith.
Smith, Frank S., Hamden, Conn. Plural stage miller with rotary impactors and rotary screens. 2,501,622, Mar. 21.
Smith, Franklin D., Webster Groves, and J. S. Harris, Richmond Heights, assignors to Monsanto Chemical Company, St. Louis, Mo. Rodenticide compositions comprising penta esters of tripolyphosphoric acid. 2,523,252, Sept. 19.
Smith, Franklin E., South Dartmouth, Mass. Portable collapsible water tank. 2,507,939, May 16.
Smith, Franklin N., Aurora, Ill. Belt conveyer idler roller. 2,498,013, Feb. 21.
Smith, Fred H., assignee: *See*—
Henry, Murray W.
Smith, Fred T., Golden, Colo. Land leveler. Re. 23,190, Jan. 10.
Smith, Frederic A., and J. Flugstad, Milwaukee, Wis. Watch crown clamping chuck. 2,517,043, Aug. 1.
Smith, Frederick D., Ferguson, Mo. Universal expansion case. 2,506,844, May 9.
Smith, Frederick H., Richmond, Ind. Hydro jet sprinkler. 2,531,923, Nov. 28.
Smith, Frederick H., and P. G. Couperus, East Natick, Mass., assignors to the United States of America as represented by the Secretary of the Navy. Battery venting apparatus. 2,531,952, Nov. 28.
Smith, Fredrick M., Bartlesville, Okla., assignor to Phillips Petroleum Company. Synthesis of disulfides. 2,501,792, Mar. 28.
Smith, Fredrick M., Bartlesville, Okla., assignor to Phillips Petroleum Company. Production of alkyl benzenes. 2,507,765, May 16.
Smith, Fredrick M., and R. S. Hanmer, Bartlesville, Okla., assignors to Phillips Petroleum Company. Production of alkyl benzenes. 2,507,766, May 16.
Smith, Gail P., assignor to Corning Glass Works, Corning, N. Y. Manufacturing electrical condensers. 2,526,703, Oct. 24.
Smith, George, Honolulu, Territory of Hawaii. Operating mechanism for the landing doors for elevators. 2,499,979, Mar. 7.
Smith, George A., Philadelphia, Pa. Fluid metering or control system. 2,494,673, Jan. 17.
Smith, George A., Salt Lake City, Utah. Cotton roll holder and saliva ejector. 2,507,938, May 16.
Smith, George C.: *See*—
Dean, Walter B., and Smith.
Smith, George E. P., Jr.: *See*—
Hansen, Louis I., and Smith.
Smith, George E. P. Jr., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Vulcanization process. 2,514,181, July 4.
Smith, George E. P. Jr., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Stannous catecholate. 2,514,199, July 4.
Smith, George E. P., Jr., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Rubber vulcanization. 2,514,208, July 4.
Smith, George E. P., Jr., and J. C. Ambelang, assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Rubber compositions of improved tack. 2,495,145, Jan. 17.
Smith, George L., U. S. Navy. Welded reinforcement. 2,495,782, Jan. 31.
Smith, George R., Los Angeles, Calif., assignor of five per cent to G. D. Todd, Jr., and forty-five per cent to W. S. Lindley. Producing powdered metal. 2,522,546, Sept. 19.
Smith, George S., Berkeley, Calif., assignor to the United States of America as represented by the Secretary of Agriculture. Cooling compressed blocks of dehydrated vegetable matter. 2,507,550, May 16.
Smith, Glen W., Grinnell, Iowa. Receptacle filling device. 2,534,997, Dec. 19.
Smith, Gordon K., Miami Beach, Fla. Transparent shutter closure. 2,505,155, Apr. 25.
Smith, Gordon N., assignor to Stereocraft Engineering Co., Portland, Oreg. Film advance and shutter reset. 2,515,272, July 18.
Smith, Gordon N., assignor to Stereocraft Engineering Co., Portland, Oreg. Depth of field indicator. 2,527,106, Oct. 24.

Smith, Grant W., Grand Forks, N. Dak., assignor to The B. F. Goodrich Company, New York, N. Y. Polymerization of monomeric mixtures comprising a chloroethylene and another copolymerizable unsaturated compound in aqueous medium in the presence of an ionizable silver compound. 2,510,426, June 6.

Smith, Graydon: *See*—
Husk, Harry M., Smith, and Shaw.

Smith, Griffith G., Ligonier, Pa., assignor to Carnegie-Illinois Steel Corporation. Refractory lined container. 2,526,289, Oct. 17.

Smith, H. B., Company, Incorporated, The, assignee: *See*—
Seeley, Lauren E.

Smith, Hannah M., assignee: *See*—
Keen, Thomas A.

Smith, Harold A., Delavan, Wis., assignor to The George W. Borg Corporation, Chicago, Ill. X-ray apparatus. 2,529,054, Nov. 7.

Smith, Harold J., Brooklyn, N. Y. Window sash control. 2,503,076, Apr. 4.

Smith, Harold W., Los Angeles, Calif., and L. L. Luxon, Boulder City, Nev., assignors to American Liquid Gas Corporation, Los Angeles, Calif. Hydrocarbon fuel vaporizer. 2,493,369, Jan. 3.

Smith, Harold W., Richmond, Va. Ornamental tree display. 2,503,359, Apr. 11.

Smith, Harry B., Hyattsville, Md. Combining circuit. 2,496,317, Feb. 7.

Smith, Harry D., Philadelphia, Pa., assignor to Globe Hoist Company, Des Moines, Iowa. Device for determining axle-engaging positions of axle blocks for a vehicle lift. 2,508,777, May 23.

Smith, Harry D., Philadelphia, Pa., assignor to Globe Hoist Company, Des Moines, Iowa. Vehicle hoist. 2,524,237, Oct. 3.

Smith, Harry E., Little Silver, N. J., assignor to Celanese Corporation of America. Apparatus for forming hollow thermoplastic containers by drawing. 2,531,539, Nov. 28.

Smith, Harry E., Little Silver, N. J., assignor to Celanese Corporation of America. Shaping plastic sheet material. 2,531,540, Nov. 28.

Smith, Harry F., Lexington, assignor to Mansfield Sanitary Pottery, Inc., Perrysville, Ohio. Laterally swingable flush valve. 2,520,574, Aug. 29.

Smith, Harry F., Lexington, assignor to Mansfield Sanitary Pottery, Inc., Perrysville, Ohio. Flush tank and bowl combination. 2,520,575, Aug. 29.

Smith, Harry F., Lexington, and H. A. Fulton, assignors to Mansfield Sanitary Pottery, Inc., Perrysville, Ohio. Ball cock lever assembly. 2,520,573, Aug. 29.

Smith, Harvey J., Danville, Va. Can canceling device. 2,496,606, Feb. 7.

Smith, Harvey J., Greensboro, N. C. Door locking means. 2,525,002, Oct. 10.

Smith, Harvey R., Ann Arbor, Mich. Golf driving machine. 2,528,616, Nov. 7.

Smith, Henry C., Fort Wayne, Ind. Plastic fishing plug. 2,520,444, Aug. 29.

Smith, Henry H.: *See*—
Ilacqua, Antonio F., and Smith.

Smith, Henry L., Clearwater, Fla., assignor to Food Machinery and Chemical Corporation. Adjustable clamp truck. 2,500,047, Mar 7.

Smith, Henry M., Schenectady, N. Y., assignor to General Electric Company. X-ray tube energizing circuit. 2,503,075, Apr. 4.

Smith, Henry R.: *See*—
McKee, Dwight I., Kester, and Smith.

Smith, Herbert H., assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Centering device. 2,517,728, Aug. 8.

Smith, Herbert P., assignor to Riviera Packing Company, Eastport, Maine. System of draining containers. 2,493,837, Jan. 10.

Smith, Herschel G., Wallingford, assignor to Gulf Oil Corporation, Pittsburgh, Pa. Apparatus for measuring the pressure-flow characteristics of greases. 2,526,832, Oct. 24.

Smith, Herschel G., Wallingford, T. L. Cantrell, Lansdowne, Pa., and J. G. Peters, Audubon, N. J., assignors to Gulf Oil Corporation, Pittsburgh, Pa. Addition agents for mineral oil lubricants and compositions containing the same. 2,497,099, Feb. 14.

Smith, Herschel G., Wallingford, and T. L. Cantrell, Lansdowne, Pa., and J. G. Peters, Audubon, N. J., assignors to Gulf Oil Corporation, Pittsburgh, Pa. Antioxidants for mineral oil lubricants and compositions containing the same. 2,504,742, Apr. 18.

Smith, Herschel G., Wallingford, and T. L. Cantrell, Lansdowne, Pa., and J. G. Peters, Audubon, N. J., assignors to Gulf Oil Corporation, Pittsburgh, Pa. Antioxidants for mineral oil lubricants and compositions containing the same. 2,504,743, Apr. 18.

Smith, Herschel G., Wallingford, and T. L. Cantrell, Lansdowne, Pa., and J. G. Peters, Audubon, N. J., assignors to Gulf Oil Corporation, Pittsburgh, Pa. Preparing addition agents for mineral oil lubricants, the agents so obtained, and mineral oil lubricants containing them. 2,506,900, May 9.

Smith, Herschel G., Wallingford, and T. L. Cantrell, Lansdowne, Pa., and J. G. Peters, Audubon, N. J., assignors to Gulf Oil Corporation, Pittsburgh, Pa. Addition agents for mineral oil lubricants and compositions containing the same. 2,506,901, May 9.

Smith, Herschel G., Wallingford, and T. L. Cantrell, Lansdowne, Pa., and J. G. Peters, Audubon, N. J., assignors to Gulf Oil Corporation, Pittsburgh, Pa. Addition agents for mineral oil lubricants and compositions containing the same. 2,506,902, May 9.

Smith, Herschel G., Wallingford, and T. L. Cantrell, Lansdowne, assignors to Gulf Oil Corporation, Pittsburgh, Pa. Synthetic wax. 2,506,903, May 9.

Smith, Herschel G., Wallingford, and T. L. Cantrell, Lansdowne, assignors to Gulf Oil Corporation, Pittsburgh, Pa. Synthetic wax. 2,506,904, May 9.

Smith, Herschel G., Wallingford, and T. L. Cantrell, Lansdowne, assignors to Gulf Oil Corporation, Pittsburgh, Pa. Stabilized lubricating grease compositions. 2,506,905, May 9.

Smith, Herschel G., Wallingford, and T. L. Cantrell, Lansdowne, assignors to Gulf Oil Corporation, Pittsburgh, Pa. Stabilized lubricating grease compositions. 2,506,906, May 9.

Smith, Herschel G., Wallingford, and T. L. Cantrell, Lansdowne, Pa., and J. G. Peters, Audubon, N. J., assignors to Gulf Oil Corporation, Pittsburgh, Pa. Addition agents for mineral oils and compositions containing the same. 2,507,055, May 9.

Smith, Herschel G., Wallingford, and T. L. Cantrell, Lansdowne, Pa., and J. G. Peters, Audubon, N. J., assignors to Gulf Oil Corporation, Pittsburgh, Pa. Antioxidants for mineral oil lubricants and compositions containing the same. 2,511,744, June 13.

Smith, Herschel G., Wallingford, and T. L. Cantrell, Lansdowne, Pa., and J. G. Peters, Audubon, N. J., assignors to Gulf Oil Corporation, Pittsburgh, Pa. Antioxidants for mineral oil lubricants and compositions containing the same. 2,511,745, June 13.

Smith, Herschel G., Wallingford, and T. L. Cantrell, Lansdowne, Pa., and J. G. Peters, Audubon, N. J., assignors to Gulf Oil Corporation, Pittsburgh, Pa. Antioxidants for mineral oil lubricants and compositions containing the same. 2,511,746, June 13.

Smith, Herschel G., Wallingford, and T. L. Cantrell, Lansdowne, Pa., and J. G. Peters, Audubon, N. J., assignors to Gulf Oil Corporation, Pittsburgh, Pa. Antioxidants for mineral oil lubricants and compositions containing the same. 2,511,747, June 13.

Smith, Herschel G., Wallingford, and T. L. Cantrell, Lansdowne, Pa., and J. G. Peters, Audubon, N. J., assignors to Gulf Oil Corporation, Pittsburgh, Pa. Antioxidants for minear oil lubricants and compositions containing the same. 2,511,748, June 13.

Smith, Herschel G., Wallingford, and T. L. Cantrell, Lansdowne, Pa., and J. G. Peters, Audubon, N. J., assignors to Gulf Oil Corporation, Pittsburgh, Pa. Antioxidants for mineral oil lubricants and compositions containing the same. 2,511,749, June 13.

Smith, Herschel G., Wallingford, and T. L. Cantrell, Lansdowne, Pa., and J. G. Peters, Audubon, N. J., assignors to Gulf Oil Corporation, Pittsburgh, Pa. Antioxidants for mineral oil lubricants and compositions containing the same. 2,511,750, June 13.

Smith, Herschel G., Wallingford, and T. L. Cantrell, Lansdowne, Pa., and J. G. Peters, Audubon, N. J., assignors to Gulf Oil Corporation, Pittsburgh, Pa. Antioxidants for mineral oil lubricants and compositions containing the same. 2,512,444, June 20.

Smith, Herschel G., Wallingford, and T. L. Cantrell, Lansdowne, Pa., and J. G. Peters, Audubon, N. J., assignors to Gulf Oil Corporation, Pittsburgh, Pa. Antioxidants for mineral oil lubricants and compositions containing the same. 2,512,445, June 20.

Smith, Herschel G., Wallingford, and T. L. Cantrell, Lansdowne, Pa., and J. G. Peters, Audubon, N. J., assignors to Gulf Oil Corporation, Pittsburgh, Pa. Lubricant compositions containing organic oxidized and sulfurized esters. 2,513,060, June 27.

Smith, Herschel G., Wallingford, and T. L. Cantrell, Lansdowne, Pa., and J. G. Peters, Audubon, N. J., assignors to Gulf Oil Corporation, Pittsburgh, Pa. Antioxidants for mineral oil lubricants and compositions containing the same. 2,513,061, June 27.

Smith, Herschel G., Wallingford, and T. L. Cantrell, Lansdowne, Pa., and J. G. Peters, Audubon, N. J., assignors to Gulf Oil Corporation, Pittsburgh, Pa. Antioxidants for mineral oil lubricants and compositions containing the same. 2,513,062, June 27.

Smith, Herschel G., Wallingford, and T. L. Cantrell, Lansdowne, Pa., and J. G. Peters, Audubon, N. J., assignors to Gulf Oil Corporation, Pittsburgh, Pa. Antioxidants for mineral oil lubricants and compositions containing the same. 2,513,063, June 27.

Smith, Herschel G., Wallingford, T. L. Cantrell, Lansdowne, Pa., and J. G. Peters, Audubon, N. J., assignors to Gulf Oil Corporation, Pittsburgh, Pa. Antioxidants for mineral oil lubricants and compositions containing the same. 2,516,654, July 25.

Smith, Herschel G., Wallingford, M. L. Hill, Boothwyn, and T. L. Cantrell, Lansdowne, assignors to Gulf Oil Corporation, Pittsburgh, Pa. Insecticidal compositions. 2,522,311, Sept. 12.

Smith, Herschel G., Wallingford, and T. L. Cantrell, Lansdowne, assignors to Gulf Oil Corporation, Pittsburgh, Pa. Antioxidants for mineral oil lubricants and compositions containing the same. 2,522,312, Sept. 12.
Smith, Herschel G., Wallingford, and T. L. Cantrell, Lansdowne, Pa., and J. G. Peters, Audubon, N. J., assignors to Gulf Oil Corporation, Pittsburgh, Pa. Antioxidants for mineral oil lubricants and compositions containing the same. 2,527,279, Oct. 24.
Smith, Herschel G., Wallingford, and T. L. Cantrell, Lansdowne, assignors to Gulf Oil Corporation, Pittsburgh, Pa. Antioxidants for mineral oil lubricants and compositions containing the same. 2,528,092, Oct. 31.
Smith, Horace L., Jr., Richmond, Va., assignor to Chain Belt Company, Milwaukee, Wis. Continuous low temperature dehydration. 2,515,098, July 11.
Smith, Horace L., Jr., Richmond, Va., assignor to Chain Belt Company, Milwaukee, Wis. Apparatus for sterilizing. 2,531,478, Nov. 28.
Smith, Howard L., Rochester, N. Y. Painter's scaffold hanger. 2,530,791, Nov. 21.
Smith, Howard O., Des Moines, Iowa. Shooting garment. 2,493,370, Jan. 3.
Smith, Hubert A., Bay Pines, Fla. Airplane stall indicator. 2,499,284, Feb. 28.
Smith, Hurley, Concord, N. H. Electrical transformer. 2,526,706, Oct. 24.
Smith, J. Ernest, Jackson Heights, N. Y., and R. E. Mathes, Silver Spring, Md., assignors to Radio Corporation of America. Secrecy system. 2,534,535, Dec. 19.
Smith, J. P., Shoe Company, assignee: *See*— Lipton, Henry.
Smith, James D., Emporium, Pa. Rotary one-person seesaw. 2,527,460, Oct. 24.
Smith, James D. F., St. Paul, Minn. Vertical space or line counter for typewriters. 2,527,105, Oct. 24.
Smith, James E.: *See*— Allen, Harry L., Jr., and Smith.
Smith, James E., Pittsburg, Tex. Variable stroke radial pump. 2,523,543, Sept. 26.
Smith, James H. and D. F., Northport, N. Y. Feeding and tensioning means for continuous film. 2,499,119, Feb. 28.
Smith, James M., Jr., North Plainfield, N. J., assignor to American Cyanamid Company New York, N. Y. Sulfomethyl dicyandiamide. 2,502,897, Apr. 4.
Smith, James M., Jr., North Plainfield, N. J., assignor to American Cyanamid Company, New York, N. Y. 1-(p-chlorophenyl)-2-pyridylacetylenes and 1-(p-chlorophenyl)-2-quinolylacetylenes. 2,512,180, June 20.
Smith, James M., Jr., North Plainfield, N. J., assignor to American Cyanamid Company, New York, N. Y. Preparing substituted pteridines. 2,525,150, Oct. 10.
Smith, James M., Jr., North Plainfield, and D. B. Cosulich, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y. Substituted pteridines and preparing same. 2,512,572, June 20.
Smith, Jay M., San Francisco, Calif. Hydraulically operated leather processing machine. 2,510,913, June 6.
Smith, Jessie F., assignee: *See*— Smith, Reuben S.
Smith, Jessie M., Baltimore, Md. Toilet powder dispenser. 2,500,500, Mar. 14.
Smith, John, Chicago, Ill., assignor to Zenith Radio Corporation. Mounting arrangement for circuit elements. 2,495,353, Jan. 24.
Smith, John E., assignor to Smith Welding Equipment Corporation, Minneapolis, Minn. Oxygen-acetylene torch. 2,535,873, Dec. 26.
Smith, John J.: *See*— Mueller, Frank H., and Smith.
Smith, John J., Philadelphia, Pa. Shearing machine. 2,505,801, May 2.
Smith, John J., Springfield, Mass., assignor to Chicopee Manufacturing Corporation. Pressure roll for forming bonded fiber webs. 2,530,407, Nov. 21.
Smith, John K., Bartlesville, Okla., assignor to Phillips Petroleum Company. Combination valve. 2,522,406, Sept. 12.
Smith, John L., and D. L. Harding, Decatur, Ill. Signal provision for locks. 2,519,940, Aug. 22.
Smith, John O., Jr., North Plainfield, N. J. Boat having a buoyant propeller. 2,524,938, Oct. 10.
Smith, John P., Cranbury, N. J., assignor to Radio Corporation of America. Image transmission. 2,531,831, Nov. 28.
Smith, John P., Jr., Verona, assignors to The Daven Company, Newark, N. J. Switch. 2,501,195, Mar. 21.
Smith, John P., Jr., Verona, assignor to The Daven Company, Newark, N. J. Electrical switch. 2,505,218, Apr. 25.
Smith, John P., Jr., Verona, assignor to The Daven Company, Newark, N. J. Terminal panel. 2,509,701, May 30.
Smith, John P., Jr., Verona, assignor to Daven Company, Newark, N. J. Cueing control for audio circuits. 2,511,085, June 13.
Smith, John P., Jr., Verona, assignor to The Daven Company, Newark, N. J. Recorder-connector for use in telephone conservation recording. 2,529,636, Nov. 14.
Smith, John W., assignor to Battle Creek Bread Wrapping Machine Company, Battle Creek, Mich. Label attaching mechanism for wrapping machines. 2,507,683, May 16.
Smith, John W., Lincoln, Ark. Vehicle wheel supporting truck. 2,503,138, Apr. 4.
Smith, John W., Newport News, Va. Window blind. 2,503,849, Apr. 11.
Smith, Jopling P., Houston, Tex., assignor, by mesne assignments, to J. H. McCarvell. Well tool. 2,518,500, Aug. 15.
Smith, Joseph B., assignor to The Standard Oil Company, Cleveland, Ohio. Pipe coupling. 2,502,351, Mar. 28.
Smith, Joseph F., Rochester, N. Y. Parachute harness fastener. 2,526,705, Oct. 24.
Smith, Joseph L., Glen Ellyn, Ill. Bench tool for forming end loops on helical springs. 2,500,327, Mar. 14.
Smith, Joseph R., Los Angeles, Calif. Mechanism for imparting impulses to pendulums. 2,497,327, Feb. 14.
Smith, Keith V., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Atomizing structure. 2,494,590, Jan. 17.
Smith, Kenneth L.: *See*— Smith, Elmo D. and K. L.
Smith, Kenneth H., Minneapolis, Minn. Flexible spike tooth harrow. 2,524,937, Oct. 10.
Smith, Kline & French Laboratories, assignee: *See*— Koelsch, Charles F.
Smith, L. C., & Corona Typewriters, Inc., assignee: *See*— Higgins, William J., and Bradt.
Smith, Lawrence H., assignor to V. M. Langsett, Chicago, Ill., as trustee. Portable fog type fire extinguisher. 2,531,366, Nov. 21.
Smith, Lawrence R., Mineola, Tex. Paper hanger's tool. 2,507,056, May 9.
Smith, Lawrence W., assignor to Eastman Kodak Company, Rochester, N. Y. Making color prints from color transparencies. 2,529,875, Nov. 14.
Smith, Leah K.: *See*— Wemp, Ernest E.
Smith, Lee B.: *See*— Calfee, John D., and Smith.
Smith, Lee B., Woodbridge, N. J., and J. D. Calfee, Manhasset, assignors to Allied Chemical & Dye Corporation, New York, N. Y. Removal of hydrogen fluoride and silicon tetrafluoride from gases. 2,526,776, Oct. 24.
Smith, Lee B., Woodbridge, N. J., and J. D. Calfee, Manhasset, assignors to Allied Chemical & Dye Corporation, New York, N. Y. Removal of hydrogen fluoride and/or silicon tetrafluoride from a hydrogen chloride containing gas. 2,526,777, Oct. 24.
Smith, Lee F., and H. J. Sandstrom, Columbia City, Oreg. Servicing device for fluorescent lighting fixtures. 2,507,549, May 16.
Smith, Leland G., Narrows, Va., assignor to Celanese Corporation of America. Yarn testing device. 2,524,936, Oct. 10.
Smith, Leland I., and R. Engle, Glendale, Calif. Cut film holder. 2,506,907, May 9.
Smith, Leo R., Alexandria, Va. Christmas tree vibrator. 2,522,906, Sept. 19.
Smith, Leon P.: *See*— Maggio, Paul J., and Smith.
Smith, Leonard E., Wesleyville, Pa. Roller skate light magneto. 2,505,154, Apr. 25.
Smith, Leslie N., Cleveland Heights, assignor to The Harshaw Chemical Company, Cleveland, Ohio. Electrodeposition anode. 2,523,253, Sept. 19.
Smith, Lester C., West Hartford, and W. V. Paine, East Hartford, assignors to The Spencer Turbine Company, West Hartford, Conn. Load limiting collection apparatus. 2,496,180, Jan. 31.
Smith, Lester C., Westmont, N. J., assignor to Radio Corporation of America. Ultra high frequency resonant circuit. 2,530,089, Nov. 14.
Smith, Lester L., assignee: *See*— Peterson, Harold M.
Smith, Lewis R., Norwalk, Conn., assignor, by mesne assignments, to P. L. Goetz, Darien, Conn. Ice-making tray. 2,493,270, Jan. 3.
Smith, Lloyd A., Washington, D. C. Condiment and toothpick holder. 2,499,687, Mar. 7.
Smith, Lloyd B., and R. W. Krebs, Baton Rouge, La., assignors to Standard Oil Development Company. Hydrocarbon synthesis reaction. 2,498,845, Feb. 28.
Smith, Lloyd P., assignor to Cornell Research Foundation, Inc., Ithaca, N. Y. Ion source. 2,507,652, May 16.
Smith, Lloyd P., assignor to Cornell Research Foundation, Inc., Ithaca, N. Y. Ionized particle separator. 2,507,653, May 16.
Smith, Loren W., Kenmore, and V. J. Pingel, assignors, by mesne assignments, to Cornell Aeronautical Laboratory, Inc., Buffalo, N. Y. Aluminum alloys. 2,511,551, June 13.
Smith, Louie F., South Houston, assignor of one-half to A. F. Clark, and one-half to C. J. McWhorter, Harris County, Tex. Apparatus for drilling boreholes. 2,507,122, May 9.
Smith, Louie W., Fort Dodge, Iowa. Tractor operated loading device. 2,531,993, Nov. 28.
Smith, Lowell J.: *See*— Friend, Dawson, and Smith.

Smith, Lowell J., assignor to Stant Manufacturing Company, Connersville, Ind. Vented tank cap. 2,501,621, Mar. 21.

Smith, Lowell J., assignor to Stant Manufacturing Company, Connersville, Ind. Mounting clamp for brackets. 2,505,588, Apr. 25.

Smith, Lucius N., and A. Smith, Montverde, Fla. Lawn mower. 2,513,685, July 4.

Smith, Mahlon J., assignor to Michigan Wire Goods Company, Niles, Mich. Combination grill and grid. 2,501,104, Mar. 21.

Smith, Malcom K., Elizabeth, assignor to The Baker Castor Oil Company, Jersey City, N. J. Vinyl halide resin compositions containing hydroxystearic acid esters as plasticizers and alkaline earth metal ricinoleates as stabilizers. 2,514,424, July 11.

Smith, Marion K., Boring, Oreg. Tractor mounted vineyard hoe. 2,521,549, Sept. 5.

Smith, Marvin M., assignor to Muncie Gear Works, Inc., Muncie, Ind. Heat pump. 2,503,456, Apr. 11.

Smith, Maybel E., Bloomington, Ind. Poultry feeder. 2,518,950, Aug. 15.

Smith-Meeker Engineering Co., assignee: *See*—
Woodworth, Frederick B., and Lindley.

Smith, Merrill H., Athens, Tenn. Doorstop. 2,497,697, Feb. 14.

Smith, Michael, Youngstown, Ohio. Self-loading apparatus for motor trucks. 2,504,232, Apr. 18.

Smith, Milton B., Huntington, Ind., assignor to The Hettrick Manufacturing Company, Toledo, Ohio. Upholstered hassock. 2,509,580, May 30.

Smith, Milton J., and H. J. Shane, Wenatchee, Wash. Valved hose coupling. 2,493,271, Jan. 3.

Smith, Minton L., Savannah, Ga. Casket. 2,516,488, July 25.

Smith, Myron R., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Motor control apparatus. 2,527,893, Oct. 31.

Smith, Nathan, Jackson Heights, N. Y. Composition for release of oxygen. 2,501,145, Mar. 21.

Smith, Neil V., Los Angeles, Calif. Reeling device. 2,495,392, Jan. 24.

Smith, Nels J., Columbia Falls, Mont. Paintbrush clamp or holder. 2,498,511, Feb. 21.

Smith, Nervin P., Miami, Fla. Bottle cap. 2,501,636, Mar. 21.

Smith, Neville H., Athens, Tenn. Disk brake. 2,523,598, Sept. 26.

Smith, Newland F., Jr.: *See*—
Bingley, Frank J., and Smith.

Smith, Nicholas M., Jr., Takoma Park, and J. A. Crocker, Silver Spring, Md., assignors to the United States of America as represented by the Secretary of the Navy. Apparatus for observing the conduct of a projectile in a gun. 2,514,297, July 4.

Smith, Nicol H., Philadelphia, Pa., assignor to the United States of America as represented by the Secretary of the Navy. Retarding erosion of gun barrels. 2,498,052, Feb. 21.

Smith, Norman, assignor to Dryco Corporation, Syracuse, N. Y. Protected metal water confining means. 2,518,827, Aug. 15.

Smith, Norman A., Saugus, and F. O. Fridell, Lynnfield Center, Mass., assignors to General Electric Company. Lubricating system for gear units. 2,535,703, Dec. 26.

Smith, Norman R., Laurel Springs, N. J. Mailbox switch. 2,535,607, Dec. 26.

Smith, Oliver D., Lapworth, England. Belt drive for machine tools. 2,509,458, May 30.

Smith, Oliver R., Fort Worth, Tex. Pipe pulling machine. 2,501,242, Mar. 21.

Smith, Omar H., West Englewood, N. J., assignor to United States Rubber Company, New York, N. Y. Molding method. 2,525,965, Oct. 17.

Smith, Omar H., West Englewood, and P. G. Roach, Hawthorne, N. J., assignors to United States Rubber Company, New York, N. Y. Treatment of expanded articles. 2,525,966, Oct. 17.

Smith, Orson P., Seattle, Wash. Invalid lift. 2,494,591, Jan. 17.

Smith, Oscar B., Jr., assignor to Wm. Cameron & Co., Waco, Tex. Sliding door hanger assembly. 2,503,848, Apr. 11.

Smith, Paul L.: *See*—
Saxton, Harold L., Smith, and Wilson.

Smith, Paul S., assignor to C. H. Masland & Sons, Inc., Carlisle, Pa. Apparatus for making cemented pile fabric. 2,497,330, Feb. 14.

Smith, Paul S., Carlisle, Pa., assignor to E. B. Allen, Summit, N. J. Strip-forming and feeding apparatus. 2,514,611, July 11.

Smith, Perry C., Moorestown, N. J., assignor to Radio Corporation of America. Automatic vacuum system. 2,522,969, Sept. 19.

Smith, Peter C.: *See*—
Stepacoff, David I., and Smith.

Smith, Philip A.: *See*—
Hopps, Lewis, and Smith.

Smith, Philip T., Princeton, N. J., assignor to Radio Corporation of America. Electron discharge power amplifier. 2,512,859, June 27.

Smith, Phillip H., Fairhaven, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Impedance matching system. 2,496,643, Feb. 7.

Smith, Phillip H., Fair Haven, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York N. Y. Radio-frequency filter. 2,515,061, July 11.

Smith, Phillip H., Fair Haven, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Radio antenna system. 2,521,550, Sept. 5.

Smith, Preston R., Rutherford, N. J., assignor, by mesne assignments, to Barber Oil Corporation. Refining Trinidad asphalt. 2,503,175, Apr. 4.

Smith, Prevost F., San Diego, Calif. Aircraft decelerating and parachute deploying means. 2,511,601, June 13.

Smith, Ralph E.: *See*—
Schramm, Christopher H., and Smith.

Smith, Ralph E., assignor to Manning, Maxwell & Moore, Inc., Muskegon, Mich. Sheet metal wheel structure. 2,529,231, Nov. 7.

Smith, Ralph H., Houston, Tex., assignor to The Dow Chemical Company. Well repair. 2,495,352, Jan. 24.

Smith, Raymond D., Easton, Conn. Demountable time switch unit for universal use. 2,508,896, May 23.

Smith, Reading B., Hammond, Ind., assignor to Sinclair Refining Company, New York, N. Y. Regeneration of hydrocarbon conversion catalyst by solvent washing. 2,515,062, July 11.

Smith, Reading B., Hammond, Ind., assignor to Sinclair Refining Company, New York, N. Y. Pyrolytic conversion of hydrocarbons. 2,517,139, Aug. 1.

Smith, Reading B., Hammond, Ind., assignor to Sinclair Refining Company, New York, N. Y. Pyrolytic conversion of hydrocarbons. 2,517,140, Aug. 1.

Smith, Reading B., Hammond, Ind., assignor to Sinclair Refining Company, New York, N. Y. Pyrolytic conversion of hydrocarbons. 2,517,141, Aug. 1.

Smith, Reuben S., Altadena, Calif., assignor by decree of distribution to J. F. Smith. Filler head with fluid pressure operated valve and discharge orifice clear out means combined with fluid metering means. 2,505,799, May 2.

Smith, Reuben S., Altadena, Calif., assignor by decree of distribution to J. F. Smith. Filling machine. 2,505,800, May 2.

Smith, Reuben T., Calhoun City, Miss. Power control. 2,519,510, Aug. 22.

Smith, Rex E., Bakersfield, Calif. Electronic impedance meter. 2,535,608, Dec. 26.

Smith, Richard G., Amsterdam, N. Y. Toy railroad. 2,509,788, May 30.

Smith, Richard M., Tuscaloosa, assignor of fifty per cent to L. E. Kiedinger, Birmingham, Ala. Apparatus for making molds. 2,535,656, Dec. 26.

Smith, Rita M., Rockford, Ill. Maternity garment. 2,507,463, May 9.

Smith, Robert, Buffalo, N. Y. Beam trammel. 2,532,376, Dec. 5.

Smith, Robert B.: *See*—
Cocks, Russell H., and Smith.
Pfeiffer, Frank F., Lansing, and Smith.

Smith, Robert C. M.: *See*—
Hart, John A. H., Pankhurst, and Smith.

Smith, Robert E.: *See*—
Houston, Robert L., and Smith.

Smith, Robert F., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Brake shoe. 2,518,828, Aug. 15.

Smith, Robert F., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Valve mechanism. 2,528,796, Nov. 7.

Smith, Robert F., assignor to The Worthington Ball Company, Elyria, Ohio. Making golf balls. 2,499,344, Feb. 28.

Smith, Robert M., Palo Alto, Calif. Cinch strap accessory. 2,519,857, Aug. 22.

Smith, Robert W.: *See*—
Schwartzwalder, Karl, and Smith.

Smith, Robert W., Copley, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Undercarriage for self-laying track type vehicles. 2,496,136, Jan. 31.

Smith, Roger O., Goteborg, Sweden. Device for the end welding of studs. 2,506,747, May 9.

Smith, Roger R., Gardner, Mass. Constructing high chair trays. 2,530,667, Nov. 21.

Smith, Rogers M., Merchantville, N. J., assignor to Radio Corporation of America. Radio echo distance measuring device. 2,498,381, Feb. 21.

Smith, Rogers M., Merchantville, N. J., assignor to Radio Corporation of America. Aircraft landing system employing lobe switching of radio beams. 2,514,351, July 4.

Smith, Roland L., Belmont, assignor to Nuproducts Corporation, Cambridge, Mass. Coffee maker. 2,496,237, Jan. 31.

Smith, Roland L., Belmont, assignor to Nuproducts Corporation, Cambridge, Mass. Coffee maker. 2,513,593, July 4.

Smith, Ronald B., and F. O. Hennig, Greensburg, assignors to Elliott Company, Jeannette, Pa. High-temperature rotating machinery. 2,505,217, Apr. 25.

Smith, Roscoe B., assignor to Hercules Powder Company, Wilmington, Del. Shipping container. 2,531,792, Nov. 28.

Smith, Roy D., Mertzon, Tex., assignor to Bee-Line Company, Scott County, Iowa. Automobile alignment gauge. 2,522,066, Sept. 12.

Smith, Roy D., Mertzon, Tex., assignor to Bee-Line Company, Scott County, Iowa. Supporting structure for the supporting assembly of motor vehicles. 2,524,576, Oct. 3.
Smith, Roy E., Warren County, assignor of forty per cent to J. W. Kinney, Jr., Cincinnati, Ohio. Green corn picker. 2,499,688, Mar. 7.
Smith, Royal A., assignor to The Strathmoor Company, Detroit, Mich. Adjustable clothes pole. 2,495,610, Jan. 24.
Smith, S. Morgan Company, assignee: *See*—
Breda, Thoralf K.
Sharp, Robert E. B.
Smith, S., & Sons (England) Limited, assignee: *See*—
Ellis, John W.
Meredith, Frederick W.
Moss, Eric B.
Riley, Joseph.
Smith, Samuel H., assignor to E. R. Dawson, Atlantic City, N. J. Pump for dispensing cans. 2,496,821, Feb. 7.
Smith, Samuel M., New Bedford, Mass. Birdhouse. 2,510,721, June 6.
Smith, Sheldon B.: *See*—
Reilley, Carl, and Smith.
Smith, Sidney R., Jr.: *See*—
Hermann, Benjamin R., and Smith.
Smith, Sidney R., Jr., Pittsfield, Mass., assignor to General Electric Company. Fuse link. 2,493,601, Jan. 3.
Smith, Sidney R., Jr., Pittsfield, Mass., assignor to General Electric Company. Combination overcurrent and overvoltage protective device. 2,502,179, Mar. 28.
Smith, Sidney S., Dorchester, assignor to E. Levy, Newton Center, Mass. Sink enclosure. 2,515,099, July 11.
Smith, Sigmund J., and P. F. Willis, said Willis assignor to E. E. Beard, Hagerstown, Md. Combined loupe and illuminating means. 2,503,850, Apr. 11.
Smith, Simon, Beaumont, Tex. Pipe wrench having antiswing detent for adjustable outer jaws. 2,517,729, Aug. 8.
Smith, Stanley J.: *See*—
Goudime-Levkovitsch, Paul, and Smith.
Smith, Stanley J., London, England, assignor to West Road Co. Limited. Liquid level gauge. 2,534,802, Dec. 19.
Smith, Starr W., Flint, Mich. Anchor winch. 2,530,586, Nov. 21.
Smith, Telford L., San Bruno, Calif. Pressure sealing member. 2,518,829, Aug. 15.
Smith, Theodore E.: *See*—
Puschel, William H., Smith, and Garrett.
Smith, Thomas R., assignor to The Maytag Company, Newton, Iowa. Cover for ironer rolls. 2,497,696, Feb. 14.
Smith, Thomas R., assignor to The Maytag Company, Newton, Iowa. Cam action wringer clutch. 2,508,046, May 16.
Smith, Thomas R., assignor to The Maytag Company, Newton, Iowa. Oven control and temperature indicator. 2,510,526, June 6.
Smith, Thomas R., assignor to The Maytag Company, Newton, Iowa. Heat dome trap for defrosting refrigerators. 2,511,419, June 13.
Smith, Thomas R., assignor to The Maytag Company, Newton, Iowa. Oscillating washing machine tub. 2,516,655, July 25.
Smith, Thomas R., assignor to The Maytag Company, Newton, Iowa. Washing machine having square tub and opposed impellers. 2,516,656, July 25.
Smith, Thomas R., assignor to The Maytag Company, Newton, Iowa. Refrigerator closure with hydraulic seal. 2,527,084, Oct. 24.
Smith, Thomas R., assignor to The Maytag Company, Newton, Iowa. Faucet with nonextruding seal. 2,530,090, Nov. 14.
Smith, Thomas R., assignor to The Maytag Company, Newton, Iowa. Pressure relief valve. 2,530,091, Nov. 14.
Smith, Thomas R., assignor to The Maytag Company, Newton, Iowa. Timing device for washing machines. 2,535,168, Dec. 26.
Smith, Thomas W., Jr., Akron, assignor to The Sun Rubber Company, Barberton, Ohio. Two-piece rubber whistle for toys. 2,519,324, Aug. 15.
Smith, Traver J.: *See*—
Magnuson, Roy M., Smith, and Daugherty.
Smith, Valdemar E., Lafayette, La. Anvil block for splicing metallic tapes. 2,502,760, Apr. 4.
Smith, Vaughn R., El Cerrito, and C. G. Schmitz, Richmond, assignors to California Research Corporation, San Francisco, Calif. Preparation of asphalt compositions. 2,506,283, May 2.
Smith, Vaughn R., Berkeley, and D. E. Stevens, Fairfax, assignors to California Research Corporation, San Francisco, Calif. Bitumen-treating agent. 2,508,428, May 23.
Smith, Vaughn R., Berkeley, and D. E. Stevens, Fairfax, assignors to California Research Corporation, San Francisco, Calif. Compounded bitumen. 2,508,429, May 23.
Smith, Vaughn R., Berkeley, D. E. Stevens, Fairfax, and E. W. Mertens, Berkeley, assignors to California Research Corporation, San Francisco, Calif. Bitumen-treating agent. 2,508,430, May 23.
Smith, Vaughn R., Berkeley, D. E. Stevens, Fairfax, and E. W. Mertens, Berkeley, assignors to California Research Corporation, San Francisco, Calif. Bitumen-treating agent. 2,508,431, May 23.
Smith, Vaughn R., Berkeley, and D. E. Stevens, Fairfax, assignors to California Research Corporation, San Francisco, Calif. Bitumen-treating agent. 2,508,432, May 23.
Smith, Vene C.: *See*—
Aspenwall, Carl, Smith, and Mathis.
Smith, Victor K., Jr.: *See*—
Kushner, Samuel, and Smith.
Smith, Victor W.: *See*—
MacMaster, Malcolm D., and Smith.
Smith Victory Corporation, assignee: *See*—
Bronnenkant, Paul H.
Smith, W. H., & Son Limited, assignee: *See*—
Lanegan, Frederick E., and Tibble.
Smith, Wallace D., Lakeland, Fla. Heel guard for shoes. 2,502,237, Mar. 28.
Smith, Walter E., Ventura, Calif. Pitch changing device for stringed musical instruments. 2,524,144, Oct. 3.
Smith, Walter H., deceased, Toronto, Ontario, Canada; M. A. Johnston, executrix, assignor to Commercial Lithograph Company, Ltd., Toronto, Ontario, Canada. Making lithograph blankets. 2,525,003, Oct. 10.
Smith, Walter N., Portland, Oreg. Trailer hitch. 2,521,132, Sept. 5.
Smith, Ward D., assignee: *See*—
Van Ranst, Cornelius W., and Smith.
Smith, Ward L., Hudson, Ohio, assignor to The Electric Controller & Mfg. Company. Control system for electroresponsive devices. 2,527,280, Oct. 24.
Smith, Warren, Criders, Va. Poultry feeder. 2,518,085, Aug. 8.
Smith, Warren M., Baton Rouge, La., assignor to Standard Oil Development Company. Production of synthesis gas. 2,522,468, Sept. 12.
Smith, Waverly Q., and G. W. Struthers, Oak Ridge, Tenn., assignors to the United States of America as represented by the United States Atomic Energy Commission. Apparatus for handling radioactive solutions. 2,531,953, Nov. 28.
Smith Welding Equipment Corporation, assignee: *See*—
Smith, Elmer H.
Smith, John E.
Smith, Whitfield C.: *See*—
Tognola, Tullio, and Smith.
Smith, Wilbert P. E., Thomaston, Conn. Portable bathhouse. 2,499,790, Mar. 7.
Smith, Willard D., Bucks County, Pa. Educational art and apparatus. 2,524,143, Oct. 3.
Smith, William A., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Locating apparatus for glass bending molds. 2,518,951, Aug. 15.
Smith, William A., Cedar Rapids, Iowa. Battery electrolyte level indicator. 2,534,633, Dec. 19.
Smith, William C., New York, N. Y. Measuring tape or strip for beverage bottles. 2,507,684, May 16.
Smith, William E.: *See*—
Meadowcroft, Arthur E., Shaw, and Smith.
Smith, William F., North Hollywood, Calif., assignor to Radio Corporation of America. Phonograph system and stylus therefor. 2,493,466, Jan. 3.
Smith, William G., Portland, Oreg. Feed screw mounting for percussion drills. 2,532,344, Dec. 5.
Smyers, William H.: *See*—
Young, David W., and Smyers.
Smith, William J., Sr., Shawmut, Ala. Generator and starter. 2,498,346, Feb. 21.
Smith, William J., and W. W. Slaght, Rocky River, assignors to Cleveland Steel Products Corporation, Cleveland, Ohio. Universal joint. 2,512,690, June 27.
Smith, William J., and W. W. Slaght, Rocky River, assignors to Cleveland Steel Products Corporation, Cleveland, Ohio. Universal joint. 2,512,691, June 27.
Smith, William L., Silver Spring, Md. Radio phase modulator. 2,524,845, Oct. 10.
Smith, William M.: *See*—
Read, Frederick H. E., and Smith.
Smith, William M., Glen Ellyn, Ill., assignor, by mesne assignments, to Vapor Heating Corporation. Thermostatic control for air motors. 2,522,313, Sept. 12.
Smith, William P., assignor to Automotive Products Company Limited, Leamington Spa, England. Making power transmission fluids. 2,517,044, Aug. 1.
Smith, William P., and H. J. Wilks, assignors to Automotive Products Company Limited, Leamington Spa, England. Power transmission fluids. 2,534,803, Dec. 19.
Smith, William R., assignor to The Upjohn Company, Kalamazoo, Mich. Release mechanism for injection machines. 2,502,676, Apr. 4.
Smith, William R., Philadelphia, Pa., assignor to The A. C. Gilbert Company, New Haven, Conn. Composite insulated wheel. 2,507,483, May 9.
Smith, William R., Philadelphia, Pa., assignor to The A. C. Gilbert Company, New Haven, Conn. Multitone whistle. 2,518,435, Aug. 8.
Smith, William R., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Antifreeze liquids. 2,524,484, Oct. 3.
Smith, William T., St. Louis, Mo. Electric motor-driven lawn mower. 2,521,262, Sept. 5.

Smith, William V., Medford, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Magnetron pilot cavity resonator. 2,527,770, Oct. 31.
Smith, Winfield F., Vineland, N. J., assignor to Owens-Illinois Glass Company. Ampoule with breakable neck. 2,517,604, Aug. 8.
Smith, Winthrope C.: *See*—
Simpson, George K., and Smith.
Smits, Wijtze B., Voorburg, Netherlands. Electrical ignition apparatus. 2,506,472, May 2.
Smits, Wytze B., The Hague, Netherlands. Low tension sparking plug. 2,507,278, May 9.
Smits, Wytze B., The Hague, Netherlands. Low-tension sparking plug. 2,527,489, Oct. 24.
Smits, Wytze B., Wassenaar, Netherlands. Apparatus for the ignition of explosive material in a liquid. 2,507,277, May 9.
Smits, Wytze B., Amsterdan, Netherlands, and J. M. Beck, Birmingham, Ala. Electrical tube-immersion heater. 2,501,417, Mar. 21.
Smoak, Leonard A., Ridgeville, S. C. Dispensing container for sheet material. 2,500,012, Mar. 7.
Smola, Barnet, assignee: *See*—
Hayden, Arthur C.
Smoler Bros., Inc., assignee: *See*—
Ganis, Samuel
Smoluchowski, Roman, Pittsburgh, Pa., assignor to General Electric Company. Producing material with high magnetostrictive properties. 2,506,393, May 2.
Smoot, Charles H., assignor to Republic Flow Meters Company, Chicago, Ill. Reset motor control system. 2,525,967, Oct. 17.
Smoot, Charles H., assignor to Republic Flow Meters Company, Chicago, Ill. Voltage limiting means. 2,529,055, Nov. 7.
Smoot, Lloyd M., Everett, assignor of one-half to Leo S. Ross, Seattle, Wash. Scoop. 2,515,429, July 18.
Smotzer, Edward J.: *See*—
Forsythe, John W., and Smotzer.
Smul, Joseph F., Milwaukee, Wis. Surface cleaning attachment. 2,499,933, Mar. 7.
Smullin, Louis D., Arlington, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. High-frequency electrical breakdown apparatus. 2,519,795, Aug. 22.
Smulski, Theodore J., Gary, Ind., assignor to Productive Inventions, Inc. Timing mechanism for fluid applying windshield wipers. 2,502,180, Mar. 28.
Smulski, Theodore J., Gary, Ind., assignor to Productive Inventions, Inc. Adjustable length windshield wiper arm. 2,507,279, May 9.
Smulski, Theodore J., Gary, Ind., assignor to Productive Inventions, Inc. Fluid transmission connection. 2,520,896, Aug. 29.
Smulski, Theodore J., Gary, Ind., assignor to Productive Inventions, Inc. Electrical instrument. 2,520,897, Aug. 29.
Smulski, Theodore J., Gary, Ind., assignor to Productive Inventions, Inc. Electrical instrument. 2,520,898, Aug. 29.
Smulski, Theodore J., Gary, Ind., assignor to Productive Inventions, Inc. Electrical instrument. 2,520,899, Aug. 29.
Smulski, Theodore J., Gary, Ind., assignor to Productive Inventions, Inc. Adjustable length windshield wiper arms. 2,528,979, Nov. 7.
Smutz, Walter D., Warrensville Heights, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of anisole. 2,529,887, Nov. 14.
Smye, Arthur, London, England, assignor to Pyrene Manufacturing Company, Newark, N. J. Fluid container with valve controlled opening. 2,530,092, Nov. 14.
Smyers, William H.: *See*—
Lieber, Eugene, and Smyers.
Young, David W., and Smyers.
Smyers, William H., Westfield, N. J., assignor, by mesne assignments, to Jasco, Incorporated. Modified rubber products. 2,534,883, Dec. 19.
Smyers, William H., Westfield, and D. W. Young, Roselle, N. J., assignors to Standard Oil Development Company. Treating synthetic polymers with phosphorus and sulfur and products obtained thereby. 2,494,592, Jan. 17.
Smyers, William H., Westfield, and E. P. Cashman, Bayonne, N. J., assignors to Standard Oil Development Company. Acylating butadiene-styrene copolymers. 2,529,316, Nov. 7.
Smyser, Elmer D., Torrance, assignor of one-half to F. C. Ripley, Los Angeles, Calif. Rotary fluid motor. 2,528,617, Nov. 7.
Smyser, James A., Taft, Calif. Axially shifting type fluid pressure operated tire removing machine. 2,513,756. July 4.
Smyth, Charles N., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Full-wave rectifier tube. 2,505,010, Apr. 25.
Smyth, Charles N., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Magnetic deflecting system for cathode-ray tubes. 2,505,011, Apr. 25.
Smyth, Charles N., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Oscillograph and cathode-ray tube therefor. 2,509,255, May 30.
Smyth, Charles N., assignor to Standard Telephones and Cables Limited, London, England. Electron discharge device. 2,527,587, Oct. 31.
Smyth, Charles N., and A. S. Wade, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Electric wavemeter. 2,517,605, Aug. 8.
Smyth-Dávilla, Rodrigo M., San Jose, Costa Rica. Remote angular position indicator. 2,527,771, Oct. 31.
Smyth, Glen M., Plainfield, and A. E. Moran, Somerville, N. J., assignors to American Cyanamid Company, New York, N. Y. Manufacture of anthraquinone. 2,496,894, Feb. 7.
Smyth, Herbert C., Jr., assignee: *See*—
Overman, Max C.
Smyth, Herbert C. H., London, England. Pyrophoric lighter. 2,494,211, Jan. 10.
Smyth, John B. S., assignor to The General Electric Company, Limited, London, England. Simmering shutter for high-pressure metal vapor lamps. 2,531,924, Nov. 28.
Smyth, Leslie J., assignee: *See*—
Caddy, Sydney C.
Smythe, Carl V., Moorestown, N. J., B. B. Drake, and C. E. Neubeck, assignors to Rohm & Haas Company, Philadelphia, Pa. Production of enzymes in submerged cultures of bacteria. 2,530,210, Nov. 14.
Smythe, Dudley: *See*—
Buckley, Frank R., and Smythe.
Smythe, Robert L., Milwaukee, Wis., assignor to McGraw Electric Company. Guy attachment for poles and the like. 2,526,511, Oct. 17.
Smythe, Robert L., and R. R. Mahler, Milwaukee, and H. B. Behlmer, South Milwaukee, Wis., assignors to McGraw Electric Company. Vise having adjustable strap for clamping soft tubular conduits. 2,521,189. Sept. 5.
Snadden, Joseph X., Collinsville, Ill. Cigarette receptacle and extinguishing means. 2,527,461, Oct. 24.
Snedeker, Claude Q., Canton, Ohio. Antiskid device for automobile tires. 2,529,427, Nov. 7.
Snell, Arthur H., Oak Ridge, Tenn., and L. C. Miller, deceased, late of Oak Ridge, Tenn.; by U. Miller, administrator, Baltimore, Md., assignors to the United States of America as represented by the United States Atomic Energy Commission. Secondary electron multiplier. 2,521,133, Sept. 5.
Snell, Esmond E., Austin, Tex., assignor to Research Corporation, New York, N. Y. Physiologically active pyridoxine derivatives and preparing the same. 2,522,407, Sept. 12.
Snell, Foster D., Inc., assignee: *See*—
Cartwright, Leonard C.
Snell, Foster D., New York, and S. S. Epstein, Brooklyn, N. Y. Hydroxyquinoline and boric acid fungistatic composition. 2,524,738, Oct. 3.
Snell, Francis A., Tinmouth, Vt. Animal trap. 2,533,844, Dec. 12.
Snell, Ransom Z., Miami, Fla. Swinging lawn chair. 2,520,741, Aug. 29.
Snell, William E., Vineland, H. E. Frantz, Jr., and F. A. Hignutt, Millville, N. J.; said Frantz and said Hignutt assignors to said Snell. Vending system. 2,526,512, Oct. 17.
Snell, William E., Vineland, and H. E. Frantz, Jr., and F. A. Hignutt, Millville, N. J.; said Frantz, Jr., and said Hignutt assignors to said Snell. Token-actuated mechanism. 2,531,236, Nov. 21.
Snell, Worthan A.: *See*—
McClure, Raiston H., Crowder, and Snell.
Snelling, John A., Sale, England, assignor to The Procter & Gamble Company, Ivorydale, Ohio. Meringues and making the same. 2,524,333, Oct. 3.
Snepvangers, René, Haddon Heights, N. J., assignor to Radio Corporation of America. Slidably supported pickup head. 2,515,273, July 18.
Snepvangers, René, Haddon Heights, N. J., assignor to Radio Corporation of America. Transducer supporting structure. 2,516,534, July 25.
Sneva, Ingolf, assignor to W. F. Meyers Company, Incorporated, Bedford, Ind. Drill jig bushing. 2,515,383, July 18.
Sneyd-Kynnersley, Thomas R., assignee: *See*—
Mingo, Herbert E.
Snider, Alva V.: *See*—
Morris, Rupert C., and Snider.
Snider, Arthur M., Waterloo, Ontario, Canada. Waste disposal unit. 2,533,524, Dec. 12.
Snider, Gilbert H., Pulaski, Va. Yarn or thread twister. 2,523,338, Sept. 26.
Snider, Herbert B., Miami Beach, Fla. Manicuring device. 2,494,414, Jan. 10.
Snider, Kenneth M., assignor of one-half to M. A. Knapp, Mansfield, Ohio. High-pressure coupling. 2,529,821, Nov. 14.
Sniezyk, Walter, Detroit, Mich. Trailer for hauling automobiles. 2,520,698, Aug. 29.
Snitch, Roy L.: *See*—
Sproule, William K., Young, and Snitch.

Snoddy, Leland B.: *See*—
Beams, Jesse W., Snoddy, and Hoxton.
Snoddy, Max E., assignor to Texas Lawn Sprinkler Company, Inc., Dallas, Tex. Pop-up spray head. 2,514,346, July 4.
Snodgrass, Jerry R.: *See*—
Hull, David C., and Snodgrass.
Snodgrass, John A., Prescott, Ark. Fountain pen. 2,514,729, July 11.
Snorek, Stanley J.: *See*—
Juvinall, James W., and Snorek.
Snorek, Stanley J., Berwyn, Ill., assignor to Western Electric Company, Incorporated. Work holder for forging machines. 2,518,086, Aug. 8.
Snow, Adolph J., Wilmette, Ill., assignor to Avco Manufacturing Corporation. Stove frame. 2,512,118, June 20.
Snow, Burke M.: *See*—
Hauser, John M., and Snow.
Snow Corporation, The, assignee: *See*—
Faasse, Adrian L.
Snow, Eugene A., Lynwood, Calif. Gauge for cutoff saw tables. 2,498,865, Feb. 28.
Snow, Eugene A., Lynwood, Calif. Gauge for cutoff saws. 2,518,728, Aug. 15.
Snow, Harold A., West Orange, N. J., assignor, by mesne assignments, to Federal Products Corporation, Providence, R. I. Electrical gauge. 2,503,851, Apr. 11.
Snow, James B., Springfield, Ill. Auxiliary accelerator pedal actuator. 2,524,486, Oct. 3.
Snow, Kenneth S., Glassboro, N. J. Aluminum lightweight basket. 2,527,085, Oct. 24.
Snow, Kenneth T., assignee: *See*—
Frost, Frank E.
Snow, Kenneth T., Oak Park, Ill. Rim for tissue dispenser openings. 2,514,612, July 11.
Snow-Nabstedt Gear Corporation, assignee: *See*—
Nabstedt, Arthur T., and Berndtson.
Snow, Walter E., Rockland, Maine. Truck tail gate lift. 2,497,474, Feb. 14.
Snowball, Robert, assignor to The Robert Mitchell Co. Limited, Montreal, Quebec, Canada. Washbasin and toilet bowl assembly. 2,495,201, Jan. 17.
Snowden Chemical Company, assignee: *See*—
Snowden, Ward E., and Raynor.
Snowden, John D. W., Jr., Painesville, Ohio. Thermally controlled liquid shading or screening unit. 2,501,418, Mar. 21.
Snowden, Ward E., and H. F. Raynor, assignors to Snowden Chemical Company, Modesto, Calif. Overshot nozzle. 2,494,067, Jan. 10.
Snowden, Ward E., and H. F. Raynor, assignors, by mesne assignments, to W. E. Snowden, Modesto, Calif. Dual valve unit. 2,529,852, Nov. 14.
Snuggs, John F.: *See*—
Giachetto, John J., Snuggs, and Bock.
Snyder, Benjamin N.: *See*—
Hahn, Rea I., and Snyder.
Snyder & Black, assignee: *See*—
Catozella, Romeo A.
Hirschhorn, Hilmer.
Snyder, Charles W., Dayton, Ohio. Roller skate. 2,510,722, June 6.
Snyder, Clarence E., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Apparatus for splicing tubes. 2,516,602, July 25.
Snyder, Clarence E., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Tube sizing apparatus. 2,532,862, Dec. 5.
Snyder, Clermont J., Hastings-on-Hudson, N. Y., assignor to Anaconda Wire and Cable Company. Manufacture of cables sheathed with lead base alloy. 2,504,600, Apr. 18.
Snyder, Clermont J., and W. G. MacLelland, Hastings on Hudson, N. Y., assignors to Anaconda Wire and Cable Company. Tinning copper wire. 2,515,022, July 11.
Snyder, Clinton T., assignee: *See*—
Ryan, Franklin A.
Snyder, Eric G.: *See*—
Alburn, Harvey E., and Snyder.
Snyder, Eric G., assignor to Wyeth Incorporated, Philadelphia, Pa. Alginic acid sulfate anticoagulant. 2,508,433, May 23.
Snyder, Ernest F., Long Beach, Calif. Oil base drilling mud. 2,515,742, July 18.
Snyder, Eugene: *See*—
Douty, Alfred, and Snyder.
Snyder, Eugene L.: *See*—
Gerber, Dale C., and Snyder.
Snyder, Everett S., Van Nuys, and R. A. Johnson, Los Angeles, Calif., assignors to Tinnerman Products, Inc., Cleveland, Ohio. Tools for applying sheet metal nuts to screws or studs. 2,527,157, Oct. 24.
Snyder, Francis H., New Rochelle, assignor to I. L. Rabb, New York, N. Y. Polymerization of styrene employing phthalimide as catalyst. 2,533,525, Dec. 12.
Snyder, Frederick D., Milton, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control circuits. Re. 23,217, Apr. 4.
Snyder, Frederick D., Milton, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Tube controlled relay system. 2,511,881, June 20.
Snyder, Gladys, Toronto, Ontario, Canada. Clasp comprising interlocking members having matching surfaces. 2,532,680, Dec. 5.
Snyder, Hanson G., Newtown Square, Pa. Bowling alley. 2,531,168, Nov. 21.
Snyder, Harold R., Urbana, Ill., and J. M. Stewart, Berkeley, Calif., assignors to Phillips Petroleum Company. Mercapto-alkoxy thio-ethers. 2,497,100, Feb. 14.
Snyder, Harold R., Urbana, Ill., and J. M. Stewart, Berkeley, Calif., assignors to Phillips Petroleum Company. Production of alkoxy thiols. 2,497,422, Feb. 14.
Snyder, Harold R., and R. E. Jones, Urbana, Ill., assignors, by mesne assignments, to the United States of America as represented by the Secretary of War. Preparation of intermediate compounds suitable for conversion into nuclear substituted heterocyclic compounds. 2,504,895, Apr. 18.
Snyder, Harold R., and R. E. Jones, Urbana, Ill., assignors to the United States of America as represented by the Secretary of War. Method of preparing intermediates suitable for conversion into nuclear substituted heterocyclic compounds. 2,504,896, Apr. 18.
Snyder, Harold R., Urbana, Ill., and J. M. Stewart, Berkeley, Calif., assignors to Phillips Petroleum Company. Secondary and tertiary alkylthiol amines and their production. 2,505,870, May 2.
Snyder, Ivol J., Omaha, Nebr. Sweeping mechanism for bowling alleys. 2,498,587, Feb. 21.
Snyder, James E.: *See*—
Carson, Clarence M., and Snyder.
Snyder, James E., assignor to Wingfoot Corporation, Akron, Ohio. Heat sealing rubber hydrochloride. 2,496,963, Feb. 7.
Snyder, James L.: *See*—
Holmes, Charles, and Snyder.
Snyder, Jacob R., assignor to Thompson Products, Inc., Cleveland, Ohio. Selector valve. 2,503,639, Apr. 11.
Snyder, Jacob R., assignor to Thompson Products, Inc., Cleveland, Ohio. Airplane fuel tank fueling device. 2,508,626, May 23.
Snyder, Jacob R., Cleveland, Ohio. Safety rail fastening. 2,530,547, Nov. 21.
Snyder, James M., Long Island City, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrophoretic deposition of insulating coating. 2,530,546, Nov. 21.
Snyder, John C.: *See*—
Grosse, Aristid V., and Snyder.
Snyder, John C., Darlington, and A. V. Grosse, Haverford, Pa., assignors to Houdry Process Corporation, Wilmington, Del. Reaction of methane with sulfur trioxide. 2,493,038, Jan. 3.
Snyder, Joseph: *See*—
Meckoski, Walter J., and Snyder.
Snyder, Leland H., Chicago, Ill., assignor, by mesne assignments, to Knapp-Monarch Company, St. Louis, Mo. Automatic beverage maker. 2,513,594, July 4.
Snyder, Leland H., and K. D. Yost, assignors by mesne assignments to C. Hill, B. H. Sherman, C. F. Meroni, J. A. Gross and D. J. Simpson, partners, doing business as Charles W. Hills, Chicago, Ill. Wheel adjustment for carpet sweepers. 2,515,671, July 18.
Snyder, Leonard L., Montebello, Calif. Backflow preventer. 2,503,424, Apr. 11.
Snyder Mfg. Co., assignee: *See*—
Trowbridge, Charles A.
Snyder, Richard H., Church Creek, Queen Charlotte Islands, British Columbia, Canada. Straw line puller. 2,526,092, Oct. 17.
Snyder, Richard L., Shrewsbury, N. J. Adjustable crank means. 2,518,501, Aug. 15.
Snyder, Richard L., Jr., New York, N. Y., and P. K. Weimer, Princeton, N. J. Electron signal storage tube. 2,501,637, Mar. 21.
Snyder, Robert H.: *See*—
Kuderna, Jerome G., Jr., and Snyder.
Walling, Cheves T., and Snyder.
Snyder, Robert H., Newark, N. J., assignor to United States Rubber Company, New York, N. Y. Allylic fumarate-allylic alcohol interpolymers. 2,504,052, Apr. 11.
Snyder, Roy S., assignor to Monroe Auto Equipment Company, Monroe, Mich. Plating rack. 2,523,973, Sept. 26.
Snyder, Sarah S., assignee: *See*—
Snyder, William M.
Snyder, Thoma M.: *See*—
Stauffer, Lynn H., and Snyder.
Snyder, Wilford C., Bucyrus, Ohio. Manure loader attachment. 2,501,243, Mar. 21.
Snyder, William M., assignor to S. S. Snyder, Covington, Tenn. Crystal novelty and paperweight. 2,518,502, Aug. 15.
Snyder, William R., and M. F. Eaton, Galeton, Pa. Infant's toilet training chair. 2,535,704, Dec. 26.
Snyder, Yvonne B., Forest Hills, N. Y. Beauty pillow. 2,533,526, Dec. 12.
Só, Hugo de A., Sao Paulo, Brazil. Fuel vaporizer. 2,507,464, May 9.
Sobel, Loren D.: *See*—
Fitzwater, Ezre M., and Sobel.
Sobie, Leo, Jonesville, Mich. Automatic throttle control. 2,533,967, Dec. 12.
Sobie, Leo, Jonesville, Mich. Automatic throttle control. 2,533,968, Dec. 12.

Sobin, Ben A., New York, A. C. Finlay, Long Island City, and J. H. Kane, Garden City, assignors to Chas. Pfizer & Co., Inc., Brooklyn, N. Y. Terramycin and its production. 2,516,080, July 18.

Sobotka, Philip S., Baltimore, Md. Combination umbrella notch ferrule. 2,502,677, Apr. 4.

Socall, Florent E., Detroit, Mich. Permanent underground installation lawn sprinkler. 2,533,969, Dec. 12.

Sochaczewski, Edward J., Endicott, assignor to International Business Machines Corporation, New York, N. Y. Unit carry device for accumulators. 2,503,004, Apr. 4.

Sochaczewski, Stanislaw: *See*—
Chevallier, Arnold L., and Sochaczewski.

Sochia, George, assignor to Morris Machine Works, Baldwinsville, N. Y. Deburring tool. 2,493,039, Jan. 3.

Societa A. Gazzoni & Co., assignee: *See*—
Negri, Mario.

Societa Italiana Ernesto Breda Per Costruzioni Meccaniche, assignee: *See*—
Pianta, Ubaldo.
Pianta Ubaldo, and Fiorini.
Pianta, Ubaldo, Pelegatta, and Nolli.
Tassan, Gian M.

Société A. J. Fagard & Cie, assignee: *See*—
Perraud, Roger F.

Societe a responsabilite dite: Société Castex, assignee: *See*—
Meoni, Angelo.

Societe a Responsabilite Limitee dite: Societe Auxiliaire de l'Institut Francais du Caoutchouc, assignee: *See*—
Compagnon, Patrice.
Lepetit, Francis.

Societe a responsabilite limitee La Maillé, Souple, assignee: *See*—
Boucraut, Louis.

Société Airseco, assignee: *See*—
Feneron, Emile E.

Societe Alfa-Laval, assignee: *See*—
Gaeng, Frank E.

Société Anonyme Alfred Herbert, assignee: *See*—
Monpain, Andre.

Societe Anonyme Andre Citroen, assignee: *See*—
Levesque du Rostu, Georges.

Societe Anonyme: Appareils & Evaporateurs Kestner, assignee: *See*—
Caute, Louis.

Societe Anonyme de Construction de Materiel Automobile (S. A. C. M. A.), assignee: *See*—
Mennesson, Marcel.
Mennesson, Marcel L.

Societe Anonyme de Matieres Colorantes et Produits Chimiques Francolor, assignee: *See*—
Lantz, Robert, and Moinard.
Lantz, Robert L.
Petitcolas, Pierre, and Frenkiel.
Petitcolas, Pierre, and Sureau.

Societe Anonyme de Telecommunications, assignee: *See*—
Baranov, Nathalie.
Dorbec, Lucien.
Fuchs, Guerchon.

Société Anonyme des Aciéries ci-devant Georges Fischer, assignee: *See*—
Wernli, Max.

Société Anonyme des Aciéries ci-devant, Georges Fischer, Schaffhausen, assignee: *See*—
Bührer, Erwin.

Societe Anonyme des Acieries et Forges de Firminy, assignee: *See*—
Blain, Paul.

Societe Anonyme des Anciens Etablessements Panhard & Levassor, assignee: *See*—
Panhard, Jean.

Societe Anonyme des Etablissements Neu, assignee: *See*—
Denis, Louis.

Societe Anonyme Des Manufactures des Glaces et Produits Chimiques de Saint-Gobian, assignee: *See*—
La Burthe, Pierre, and Lambert.

Societe Anonyme des Manufactures des Glaces et Produits Chimiques de Saint-Gobain, Chauny & Cirey, assignee: *See*—
Arbeit, Pierre.
Constant, Antime.
Courtier, Armand J.
Crochet, Pierre, and Lambert.
Delorme, Jean, and Desthieux.
Peyches, Ivan.
Sans, Marcel L.

Societe Anonyme des Tissages Lesur, assignee: *See*—
Leblanc, Maurice E.

Societe Anonyme Des Usines Chausson, assignee: *See*—
Chausson, Gaston.

Societe Anonyme dite: Compagnie Electro-Mecanique, assignee: *See*—
Polard, Jean.

Societe Anonyme dite: Forges et Ateliers de Constructions Electriques de Jeumont, assignee: *See*—
Heidmann, Leon.

Société Anonyme dite: Societe D'Innovations Chimiques dite: Sinnova ou sadic, assignee: *See*—
Blinoff, Vsevolod.

Societe Anonyme dite: Societe Nationale de Constructions Aeronautiques du Sud-Est, assignee: *See*—
Lecarme, Jacques A. M.

Societe anonyme dite: Standard Francaise des Petroles, assignee: *See*—
De Casson, Roger B., and Hemmer.

Societe Anonyme Établissements Ed. Jaeger, assignee: *See*—
Rodanet, Charles H. H.

Societe Anonyme: Jaeger Aviation, assignee: *See*—
Rodanet, Charles H. H.

Societe Anonyme Machines Automatiques Bardet, assignee: *See*—
Bardet, Gérard.

Société Anonyme pour les Applications de l'Electricité et des Gaz Rares-Établissements Claude-Paz et Silva, assignee: *See*—
Gomonet, Edouard.

Societe Anonyme pour l'Industrie de l'Aluminum, assignee: *See*—
Müller, Paul.

Societe Anonyme Pour Tous Appareillages Mecaniques, assignee: *See*—
Carbonaro, Marius Clément.

Societe Anonyme: Societe Generale des Metaux non Ferreux, assignee: *See*—
Marmour, Abel.

Societe Anonyme: Societe Nationale de Constructions Aeronautiques du Sud-Est, assignee: *See*—
Lecarme, Jacques A. M.

Société Ateliers G. S. P., Guillemin, Sergot, Pégard, assignee: *See*—
Pégard, Marcel.

Societe Belge Alfa-Laval, assignee: *See*—
Gaeng, Frank E.

Societe Belge de l'Azote et des Produits Chimiques du Marly, assignee: *See*—
Braconier, Frédéric F. A., and Dawance.
Dechamps, Georges, Le Bihan, and Beaudet.

Societe: "Brevets Aero-Mecaniques" S. A., assignee: *See*—
Maillard, Bernard.

Societe Chimique et Routiere de la Gironde, assignee: *See*—
Petitjean, Jean.

Societe Civile d'Etudes pour la Fabrication de Produits Industriels Manufactures (S. E. P. I. M.), assignee: *See*—
Lacout, Georges A.

Societe Civile dite: Office Technique International O. T. I., assignee: *See*—
Villeple, Paul.

Societe d'Appareils de Controle et d'Equipement des Moteurs (S. A. C. E. M.), assignee: *See*—
Mennesson, Marcel.

Societe d'Applications Generales d'Electricite et de Mecanique (S. A. G. E. M.), assignee: *See*—
Pasquet, Henri M. E.

Societe D'Applications Generales D'Electricite et de Mecanique "Sagem," assignee: *See*—
Estoup, Jean.
Pasquet, Henri M. E.

Societe de Constructions Mecaniques de Stains, assignee: *See*—
De Lacotte, Robert H., and Colombu.
Pierrat, Paul, and Colombu.

Societe D'Electro-Chimie D'Electro-Metallurgie et des Acieries Electriques D'Ugine, assignee: *See*—
Defranoux, Jacques M.
Marquaire, Charles.
Neel, Louis.

Societe de Produits Chimiques des Terres Rares, assignee: *See*—
Freud, Herbert M.
Pintiaux, Oscar.

Societe des Usines Chimiques Rhone-Poulenc, assignee: *See*—
Arquet, Maurice, and Charpentier.
Bessot, Leonce E., and Garet.
Bouvier, Maurice E.
Charpentier, Paul.
Claudet, Aymon F. M.
Cottet, Emile C., and Chazal.
Fluchaire, Maurice L. A., and Bost.
Galliot, Paul, and Custot.
Gailliot, Paul L., Rouze, and Gastou.
Hannion, Marcel, and Scriabine.
Horclois, Raymond J.
Jacob, Robert M.
Jacob, Robert M., and Robert.
Jacob, Robert M., and Suau.
Marcilhacy, Daniel M. G., and Horclois.
Scriabine, Igor.
Scriabine, Igor, Billan, Bellone, and Gaillard.

Societe d'Etudes de Machines Speciales, assignee: *See*—
Armelin, Maurice F.

Societe d'Etudes pour L'Industrie du Magnesium, assignee: *See*—
Bassereau, Georges J. A.

Societe d'Inventions Aeronautiques et Mecaniques S. I. A. M., assignee: *See*—
Levy, René L.

Société dite: Saint Freres, Societe-Anonyme, assignee: *See*—
Pelcé, Henri.
Societe dite: Scintex Societe Anonyme, assignee: *See*—
Husson, Jean.
Societe dite: Societe Anonyme des Etablissements Isnard Freres, assignee: *See*—
Isnard, Georges.
Societe dite: Tecalemit, assignee: *See*—
Piquerez, Emile.
Societe E. P. I. C. (Electricite, Produits Industriels et Chimiques), assignee: *See*—
Plantet, Henry.
Societe Electro-Mecanique de l'Aveyron, S. A., assignee: *See*—
Bessiere, Pierre E.
Societe Francaise des Munitions de Chasse, de Tir et de Guerre (Anciens Etablissements Gevelot & Gaupillat) Societe Anonyme, assignee: *See*—
Mournaud, Jacques.
Paulvé, Marcel.
Societe Francaise Radio Electrique, assignee: *See*—
Aubert, Roger.
Chauveau, Louis.
Chireix, Henri.
Commin, André.
Couillard, Louis.
de Champs, Gonzague.
Despois, Edouard.
Grumel, Henri.
Hardy, Rene.
Hardy, René.
Lecuir, Rene.
Patriarche, Pierre.
Scherrer, Vadim.
Torcheux, Emile.
Vaudoux, Henry, and Torcheaux.
Villem, Raymond.
Societe Francaise Sadir-Carpentier, assignee: *See*—
Aicardi, Joseph.
Gloess, Paul.
Le Calvez, Philippe Y. M.
Marié, Georges R. P.
Societe Francois Conte, assignee: *See*—
Descendre, Robert.
Societe Generale d'Applications Therapeutiques, "Therapix," assignee: *See*—
Garreau, Yvonne.
Societe Genevoise d'Instruments de Physique, assignee: *See*—
Turrettini, Fernand.
Turrettini, Fernand W.
Societe Immobiliere & Financiere du Parc (Societe a Responsabilite Limitee), assignee: *See*—
Bacot, Pierre A.
Societe Industrielle Generale de Mecanique appliquee (S. I. G. M. A.), assignee: *See*—
Muller, Geza W.
Pouit, Robert.
Societe La Soudure Electrique, assignee: *See*—
Languepin, Jacques.
Societe Le Blan & Cie, assignee: *See*—
Carrette, Maurice.
Societe Le Carbone Lorraine, assignee: *See*—
Deschamps, Jean B.
Oswald, Marcel.
Oswald, Marcel V.
Societe Nationale de Constructions Aeronautiques du Sud-Ouest (Societe Anonyme), assignee: *See*—
Servanty, Lucien.
Societe Normande De Produits Chimiques, assignee: *See*—
Charles, Ernest, and Robinet.
Societe Nouvelle des Anciens Etablissements Wenger: *See*—
Grosbois, Lucien.
Societe Novacel, assignee: *See*—
Drisch, Nicolas, and Fays.
Petiton, Andre C.
Saint Denis, René L.
"Societe Organico," assignee: *See*—
Le Breton, Eliane, and Gregory.
Societe: Pompes Noel, assignee: *See*—
Cavallier, Jean A.
Societe pour le Decoupage de La Cellophane & de Toutes Matieres Similaires (S. O. D. E. C.), assignee: *See*—
Guérillot, Pierre J.
Société pour l'Exploitation des Brevets M. G. D., assignee: *See*—
Gerardin, Maurice.
Societe Pyreneenne de Carburants et Solvants, assignee: *See*—
Urison, Jacques, de Calignon, and Pingard.
Societe "Quartz & Silice," assignee: *See*—
Bouchet, George.
Societe Rateau (Societe Anonyme): *See*—
Sédille, Marcel H. L., and Imbert.
Sédille, Marcel H. L., and Schwarz.
Societe Rateau (Societe Anonyme), assignee: *See*—
Imbert, Roger J.
Societe Rhodiaceta, assignee: *See*—
Corbiere, Jacques P. C. E.
Doras, Charles.
Mouchiroud, Antoine F. G.
Sale, Pierre.
Societe "Rooy," assignee: *See*—
Borel, Joseph L. A.
Societe Solex S. A. R. L., assignee: *See*—
Mennesson, André.
Societe Union D'Electricite, assignee: *See*—
Chevallier, Andre.
Societe Valenciennoise de Gestion, (Societe Anonyme), assignee: *See*—
Pauvrasseau, Robert L. P.
Société: Volcan S. A, assignee: *See*—
Geffroy, Robert R. L.
Society Brand Clothes, Inc., assignee: *See*—
De Vitto, Salvatore T.
Society "Brevets Aero-Mecaniques" S. A., assignee: *See*—
Maillard, Bernard.
Society: Etudes et Fabrications Aeronautiques, S. A. R. L., assignee: *See*—
Tauty, Rene.
Society Silto S. A., assignee: *See*—
Bessiere, Pierre E.
Socke, John E., Pelham Manor, assignor to American Can Company, New York, N. Y. Preparing container blanks with tear-strip tongues. 2,495,294, Jan. 24.
Socke, John E., Pelham Manor, assignor to American Can Company, New York, N. Y. Liquid dispensing machine with means for controlling the pressure at point of discharge. 2,520,175, Aug. 29.
Socke, John E., Pelham Manor, N. Y., and L. H. Weber, Maplewood, N. J., assignors to American Can Company, New York ,N. Y. Bag-filling or packing machine. 2,524,846, Oct. 10.
Sockell, William J., Raleigh, N. C. Slack adjuster. 2,495,990, Jan. 31.
Socony-Vacuum Oil Company, Incorporated, assignee: *See*—
Abrams, Armand J.
Abrams, Armand J., and Kuhn, Jr.
Altamura, Mario S.
Andress, Harry J., Jr.
Augustine, Frederick B.
Badertscher, Darwin E., Feasley, and Berger.
Baker, Charles O.
Beeson, Carrol M.
Beman, Warren A., Killingsworth, and Pabst.
Berger, Henry G., and Fuller.
Bergstrom, Eric V.
Bergstrom, Eric V., and Utterback.
Bishop, Richard B., and Denton.
Bishop, Richard B., Denton, and Nygaard.
Bray, Ellis E.
Brockman, Frank G.
Broding, Robert A.
Brooks, John W.
Brooks, John W., and Sachanen.
Bruins, Paul F., and Rittershausen.
Butcosk, Richard A.
Caan, Albert J. Z.
Caldwell, Hamilton P., Jr., and Payne.
Caesar, Philip D.
Caesar, Philip D., Johnson, and Brooks.
Caesar, Philip D., and Sachanen.
Centofanti, Olin.
Chapman, Harold D., Denton, and Bishop.
Claassen, Lawrence L.
Clark, Albert F., and Shapiro.
Clewell, Dayton H.
Coonradt, Harry L., and Hartough.
Crowley, John A., Jr.
Dahm, Cornelius G.
Daigle, Earl C.
Denton, William I.
Denton, William I., and Bishop.
Denton, William I., and Plank.
Doherty, Harry G.
Doherty, Harry G., and Sachanen.
Doherty, Harry G., Sachanen, and Seger.
Dunnam, George S.
Eastwood, Sylvander C., and Drew.
Evans, Louis P.
Fahnestock, Frank C.
Feasley, Charles F.
Folda, Bert, Jr.
Fontana, Celeste M., and Kidder.
Fontana, Celeste M., Oblad, and Kidder.
Francis, Alfred W.
Frank, Frederick C.
Furnoy, Richard J.
Garwood, William E.
Garwood, William E., Brooks, and Sachanen.
Garwood, William E., Seger, and Sachanen.
Gorin, Everett.
Hagerbaumer, William A.
Happel, John, and Cauley.
Hartough, Howard D.
Hartough, Howard D., and Badertscher.
Hartough, Howard D., and Lukasiewicz.
Hartough, Howard D., and Koft, Jr.
Hartough, Howard D., and Meisel.
Hartough, Howard D., and Sardella.
Hartough, Howard D. and Schick.
Heath, Donald P.
Horton, Aaron W.
Johnson, George L.
Johnson, George L., and Hagerbaumer.

Socony-Vacuum Oil Company, Incorporated, assignee: *See*—Continued.
Johnson, George L., Happel, and McKee.
Kehrer, Eddie R.
Kilgren, Evert W., and Gorin.
Killingsworth, Robert B., and Sheie.
Kozacik, Alfred P., and Sachanen.
Lockwood, Roy V.
Loper, George B.
Lukasiewicz, Sigmund J.
Lukasiewicz, Sigmund J., and Denton.
Marisic, Milton M.
Mather, John C., and Shenton.
McCracken, John H.
McGuckin, Glenn M.
Meadow, Jacob R., and O'Kelly.
Myers, Harold C.
Neuworth, Martin B.
Norris, Henry D.
Norris, Henry D., and McCracken.
Oberright, Edward A.
Oriole, Dominic J.
Otto, Ferdinand P., and Meyer.
Pabst, Arthur C., and Salmon.
Pattillo, Ivan E.
Payne, John W.
Payne, John W., and Bergstrom.
Pinney, Ernest F.
Plank, Charles J.
Plank, Charles J., and Badertscher.
Redman, Horace E.
Reichertz, Paul P.
Reiff, Orland M., and Andress.
Reiff, Orland M., and Andress, Jr.
Reiff, Orland M., Andress, Jr., and Kozacik.
Richter, Frederick P., and Fuller.
Rittershausen, Ernst P., and Sharpe.
Robey, Paul.
Roehner, Theodore G., and Thayer.
Sachanen, Alexander N., and Caesar.
Schott, John E., and Armstrong.
Seger, Francis M., and Sachanen.
Shimek, Edwin J.
Simpson, Thomas P.
Simpson, Thomas P., and Payne and Crowley.
Simpson, Thomas P., Ray, and Lee.
Sorf, Edward J. R.
Stevens, Nelson P.
Stover, William A.
Stover, William A., and Sachanen.
Stripling, John B.
Utterback, Ernest.
Utterback, Ernest, and Bergstrom.
Van Horn, Harry T.
Wanner, Walter E.
Wannier, Gregory H.
Woodham, Robert E., and Volpi.
Woodward, Robert E.

Sodders, Noel S., Cleveland, Ohio. Dispensing cap. 2,512,813, June 27.

Soden, Frederick H., Pittsford, assignor to Continental Optical Company, Inc., Rochester, N. Y. Semirimless spectacle mounting. 2,509,655, May 30.

Soderberg, Carl R.: *See*—
Highberg, Axel L., Newcomb, and Soderberg.
Kalitinsky, Andrew, and Soderberg.

Soderberg, Carl R., Weston, Mass., assignor to United Aircraft Corporation, East Hartford, Conn. Turbine construction. 2,497,049, Feb. 7.

Soderberg, Sten, Nutley, assignor to Leslie Co., Lyndhurst, N. J. Air pilot. 2,497,475, Feb. 14.

Soderberg, Virginia D., Minneapolis, Minn. Book cover. 2,516,809, July 25.

Sodergren, Axel O., Minneapolis, Minn. Folding holder. 2,499,334, Feb. 28.

Söderlund, Bengt T., Stockholm, Sweden. Worktable adapted for office work. 2,497,278, Feb. 14.

Soderman, George W.: *See*—
Fermanian, Armen. Soderman and Workman.

Soderman, George W., West Englewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Loading apparatus. 2,514,099, July 4.

Soderquist, Leslie E., assignor to The McNeil Machine and Engineering Company, Akron, Ohio. Apparatus for shaping and vulcanizing pneumatic tires. 2,495,663, Jan. 24.

Soderquist, Leslie E., assignor to The McNeil Machine & Engineering Company, Akron, Ohio. Vulcanizing press with automatic bagger. 2,495,664, Jan. 24.

Soderstrom, Carl E.: *See*—
Burtt, Horatio H., Koenig, and Soderstrom.
Burtt, Horatio H., Soderstrom, and Koenig.

Soditch, Lewis D., and M. O. Scott, South Amherst, Ohio, said Scott assignor of one-half to said Soditch, and one-half to L. Chandler. Lantern holder. 2,508,974, May 23.

Soenksen, Edwin, De Witt, Iowa. Grass and weed cutter. 2,515,573, July 18.

Soergel, Oscar, Chicago, Ill. Dustless heavy-duty suction cleaner. 2,514,809, July 11.

Soffel, Peter J., Pittsburgh, Pa. Exothermic composition for controlling the fluidity of castings. 2,500,097, Mar. 7.

Soffel, Robert O.: *See*—
Joel, Amos E., Jr.

Sofo, Leonard, assignor to Plasticrest Products, Inc., Chicago, Ill. Box construction. 2,505,156, Apr. 25.

Sognefest, Peter: *See*—
Roberts, Howell L., and Sognefest.

Sohanin, Miguel T., Finca Magdalena, Coban A. V., Guatemala. Drying machine. 2,509,175, May 23.

Sohl, Ralph W.: *See*—
Miller, Herman R., and Sohl.

Sohl, William E.: *See*—
Dahlquist, Carl A., Hendricks, and Sohl.

Sohlberg, Carl O., assignor to Telefonaktiebolaget L M Ericsson, Stockholm, Sweden. Speed regulator, especially for dials. 2,499,533, Mar. 7.

Sohler, Lawrence J., Portland, Oreg. Control for coolants in liquid cooled motors. 2,500,472, Mar. 14.

Sohmer, Carl G., Tacoma, Wash. Striping machine. 2,518,952, Aug. 15.

Sohn, William H.: *See*—
Allen, Raymond P., Jr., Johnston, and Sohn.

Sohon, Harry, Havertown, Pa., assignor to Radio Corporation of America. Omnidirectional radio range. 2,513,528, July 4.

Sokol, Herman, Hasbrouck Heights, N. J., assignor to Heyden Chemical Corporation, New York, N. Y. Production of n-acylated amino-substituted carboxylic acids. 2,515,320, July 18.

Sokol, Herman, Hasbrouck Heights, N. J., assignor to Heyden Chemical Corporation, New York, N. Y. Hydroxy ethers and production thereof. 2,527,970, Oct. 31.

Sokolik, Edward, New Brighton, Minn. Tug hook and spring device. 2,516,430, July 25.

Sokolik, Edward, New Brighton, Minn. Bicycle accessory. 2,516,431, July 25.

Sokolik, Edward, New Brighton, Minn. Cowl. 2,517,252, Aug. 1.

Sokolik, Edward, New Brighton, Minn. Pouring regulating spout for bottles. 2,522,486, Sept. 12.

Sola Electric Company, assignee: *See*—
Sola, Joseph G.

Sola, Giuseppe, Turin, Italy. Filter for injectors for combustion engines. 2,507,355, May 9.

Sola, Joseph G., River Forest, assignor to Sola Electric Company, Chicago, Ill. Alternating current supply system. 2,535,169, Dec. 26.

Solar Aircraft Company, assignee: *See*—
Bennett, Alvin L.
Bentsen, William J.
Conzelman, John E., Jr., and Eggleston.

Solar Corporation, assignee: *See*—
Brown, Cecil S.
Castner, George P.
Castner, George P., and Lund.
Knapp, Roland W.
Lund, Arthur D.
Mertz, Harry J.

Solberg, Ludwig O., Wenatchee, Wash. Reversible air circulating system. 2,507,057, May 9.

Soldani, Albert, assignor to Hyde Manufacturing Company, Southbridge, Mass. Scraper. 2,494,455, Jan. 10.

Sole, Ethel T.: *See*—
Sole, George A. and E. T.

Sole, George A. and E. T., Traverse City, Mich. Collapsible baby bed. 2,533,970, Dec. 12.

Solero, Elliott, Conway, assignor to National Electric Products Corporation, Pittsburgh, Pa. Flexible electric conduit. 2,514,905, July 11.

Solex Laboratories, Inc., assignee: *See*—
Tuohy, Kevin M.

Soll, Samuel: *See*—
Jones, Grinnell, Juda, and Soll.

Soller, Walter, and G. Kraus, Cincinnati, Ohio, assignors to the United States of America as represented by the Secretary of War. Low melting point silver solder. 2,496,564, Feb. 7.

Sollner, Karl, and C. W. Carr, Minneapolis, and H. P. Gregor, St. Paul, assignors to Regents of the University of Minnesota, Minneapolis, Minn. Making ionic membranes. 2,510,262, June 6.

Sollosy, Arthur, Bridgeport, Conn., and I. Mendelsohn, Bronx, N. Y. Electric sharpener or cutter. 2,520,020, Aug. 22.

Solmssen, Ulrich V., Essex Fells, assignor to Hoffman-La Roche Inc., Nutley, N. J. 1-alkyl-2-phenyl-3-alkyl indanes and manufacture. 2,493,729, Jan. 3.

Solmssen, Ulrich V., Essex Fells, assignor to Hoffman-La Roche Inc., Nutley, N. J. 2-(p-oxyphenyl)-3-isopropyl-6-oxy-indanes. 2,493,730, Jan. 3.

Solomito, Joseph, assignor to Bloomington Limestone Corporation, Bloomington, Ind. Machine for making course height stone veneer. 2,514,352, July 4.

Solomon, Bert P., Detroit, Mich. Drapery hanger. 2,524,403, Oct. 3.

Solomon, Ernest, Nutley, assignor to The M. W. Kellogg Company, Jersey City, N. J. Hydrazine compositions and producing them. 2,521,026, Sept. 5.

Solomon, Harry, Brooklyn, assignor of one-half to A. S. Gelsinger, Bronx, N. Y. Unloader for tumbler type washing machines. 2,518,729, Aug. 15.

Solomon, Harry F., Macon, Ga. Portable refrigerating unit. 2,510,527, June 6.

Solomon, Jesse J., Legion, Tex. Toothpick dispenser. 2,511,951, June 20.
Solomon, Joseph, and D. Black, assignors to Victoria Tire Company, Springfield, Mass. Antiskid tire tread. 2,513,064, June 27.
Solomon, Joseph A.: *See*—
Aronstein, Joseph, Mitchell, and Solomon.
Solomon, Lewis, Nutley, N. J. Clothesline support. 2,512,977, June 27.
Solomon, Louis, Jamaica, N. Y. Agitator. 2,518,196, Aug. 8.
Solomon, Randolph, assignor of one-half to E. Stewart, Washington, D. C. Milling attachment for lathes. 2,500,880, Mar. 14.
Solomon, Randolph, assignor of one-half to E. Stewart, Washington, D. C. Plate cylinder for rotary printing presses. 2,506,845, May 9.
Solovieff, George B., South Gate, and F. J. Russell, Beverly Hills, assignors to Weiser Company, South Gate, Calif. Door lock. 2,512,814, June 27.
Soloview, Leonid D., Chicago, Ill. Railway car truck. 2,500,906, Mar. 14.
Soltis, John A., Reading, Pa. Baby's automobile seat. 2,535,527, Dec. 12.
Solvay & Cie, assignee: *See*—
Deprez, Charles, and Basilewsky.
Gonze, Max.
Solzman, Isel I., Omaha, Nebr. Air exhauster. 2,526,290, Oct. 17.
Somers, Charles E., Tampa, Fla. Condiment shaker. 2,528,093, Oct. 31.
Somers, Frank J., Rockwell Centre, N. Y., assignor to Radio Corporation of America. Color television system. 2,505,589, Apr. 25.
Somers, Frank J., Rockville Centre, N. Y., assignor to Radio Corporation of America. Vertical sweep voltage correction for film movement in flying spot scansion. 2,523,156, Sept. 19.
Somers, Howard A., Montclair, N. J. Scoop. 2,501,588, Mar. 21.
Somers, Richard M.: *See*—
Dann, Charles W., and Somers.
Somers, Richard M., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Signaling means for telephone recording apparatus. 2,503,176, Apr. 4.
Somers, Richard M., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Reproducing arm support mechanism. 2,525,968, Oct. 17.
Somers, Richard M., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Sound recording system. 2,535,657, Dec. 26.
Somers, Richard M., West Orange, and S. J. Weltzer, Livingston Township, Essex County, assignors to Thomas A. Edison, Incorporated, West Orange, N. J. Combined dictating and interoffice-communicating system. 2,597,037, Feb. 7.
Somersall, William W., Natick, Mass., assignor to Beckwith Manufacturing Company, Dover, N. H. Making steel toe boxes. 2,533,528, Dec. 12.
Somervell, Mildred V., assignee: *See*—
Vickers, Carroll B.
Somerville Gareth G., Pittsfield, Mass., assignor to General Electric Company. Electromagnetic induction apparatus. 2,523,071, Sept. 19.
Somerville Gareth G., Pittsfield, Mass., assignor to General Electric Company. Magnetic core. 2,523,072, Sept. 19.
Somerville, Gareth G., Pittsfield, Mass., assignor to General Electric Company. Electric induction apparatus. 2,534,312, Dec. 19.
Somerville, James, Manchester, England. Support means for drums and drum accessories. 2,525,623, Oct. 10.
Somerville, Thomas B., Manchester, England, assignor, by mesne assignments, to General Electric Company. Voltage regulating apparatus. 2,499,200, Feb. 28.
Somerville, Thomas S., Monongahela, Pa., assignor to The American Steel and Wire Company of New Jersey. Hook forming apparatus for rods and wire. 2,535,328, Dec. 26.
Somes, Howard E., Detroit, Mich., assignor, by mesne assignments, to The Ohio Crankshaft Company, Cleveland, Ohio. Apparatus for quenching the teeth of gears. 2,500,963, Mar. 21.
Somma, Raymond, Waterbury, Conn. Vacuum-cup record-transporting device. 2,523,157, Sept. 19.
Somma, Raymond, Waterbury, Conn. Automatic phonograph. 2,526,513, Oct. 17.
Sommer, Alfred, Iver, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Electron discharge device. 2,529,888, Nov. 14.
Sommer, Edmund T., Jr., Arlington, Va. Clip pin. 2,520,817, Aug. 29.
Sommer, Harry J.: *See*—
Harman, Denham, and Sommer.
McMillan, Frank M., and Sommer.
Mitchell, Lloyd J., and Sommer.
Sommer, Herman C., Lynwood, Calif. Automobile hoist. 2,498,304, Feb. 21.
Sommer, John C., Saginaw, Mich. Self-watering reservoir type plant holder. 2,499,885, Mar. 7.
Sommer, Leo H., State College, Pa., assignor to Dow Corning Corporation, Midland, Mich. Production of cyclopropane. 2,496,419, Feb. 7.
Sommer, Leo H., State College, Pa., assignor to Dow Corning Corporation, Midland, Mich. Silahydrocarbons and their preparation. 2,507,551, May 16.
Sommer, Leo H., State College, Pa., assignor to Dow Corning Corporation, Midland, Mich. α-chlorovinylsilanes. 2,512,390, June 20.
Sommer, Philip L., Fort Lauderdale, Fla. Dehumidifier for vending machines. 2,531,084, Nov. 21.
Sommers, David, Huntington Station, N. Y. Auxiliary window sash. 2,532,957, Dec. 5.
Somville, Charles, assignee: *See*—
Bodinaux, Gaston, and Malchair.
Son, Lou, Development Co., assignee: *See*—
Johnson, Jack.
Son-Chief Electrics, Incorporated, assignee: *See*—
Fitzgerald, Edward J.
Sondak, Irving M.: *See*—
Frankel, Charles H., and Sondak.
Sonderegger, Konrad, assignor to Schweizerische Lokomotiv-und Maschinenfabrik, Winterthur, Switzerland. Combustion chamber for internal-combustion engines. 2,514,730, July 11.
Sondern, Clarence W., Mendham, and P. J. Breivogel, Glen Ridge, assignors to White Laboratories, Incorporated, Newark, N. J. Antihistamine compounds. 2,519,325, Aug. 15.
Songer, Charles J., assignee: *See*—
McNerney, Robert P.
Sonneborn, L., Sons, Inc., assignee: *See*—
Goldstein, Herbert.
Liberthson, Leo.
Liberthson, Leo, and Faust.
Sonnemann, William K., Roselle Park, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Bus-differential relay. 2,508,198, May 16.
Sonnemann, William K., Roselle Park, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Relaying system. 2,516,022, July 18.
Sonnemann, William K., Roselle Park, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Ground-relay transmission-line protection. 2,516,025, July 18.
Sonnenberg, Alexander H., New York, N. Y. Diaper. 2,510,665, June 6.
Sonnenburg, Clarence E., Kennewick, Wash. Self-releasing hook. 2,513,256, June 27.
Sonnett, William A.: *See*—
Sonnett, William J. and W. A.
Sonnett, William A. and W. J., Ada, Ohio. Gameball. 2,495,079, Jan. 17.
Sonnett, William J.: *See*—
Sonnett, William A. and W. J.
Sonnett, William J. and W. A., Ada, Ohio. Form for making inflatable game ball carbasses. 2,529,637, Nov. 14.
Sonnino, Carlo. Milan, Italy. Chemical oxidation of aluminum and alloys thereof. 2,520,475, Aug. 29.
Sonntag, Helmuth: *See*—
Dulken, Charles F., Oberreit, and Sonntag.
Sonntag, Kenneth G., Chicago, Ill. Hair comb. 2,513,897, July 4.
Sonoco Products Company, assignee: *See*—
Dunlap, Charles K.
Reid, Edward S.
Sonotone Corporation: *See*—
Pearson, Harry A.
Rudiger, Carl E.
Shaper, Harry B.
Sonotone Corporation, The, assignee: *See*—
Crownover, Joseph W., and Pearson.
Sontheimer, Carl G.: *See*—
Korman, Nathaniel I., and Sontheimer.
Sooy, Brainard E.: *See*—
Fisher, Harry C., and Sooy.
Sopcak, Charles F., Dayton, Ohio. Nonarcing potentiometer. 2,493,040, Jan. 3.
Soper, Guy E., New Brunswick, N. J., assignor to Mack Manufacturing Corporation, New York, N. Y. Making spiral bevel gears and hypoid gears. 2,510,528, June 6.
Soper, Horace N., London, England. Brake of the torsion spring and drum type. 2,514,264, July 4.
Sopris, Robley F., Glendale, assignor, by mesne assignments, to S. M. Dunn, Los Angeles, Calif. Device for inserting bolts in concrete. 2,518,395, Aug. 8.
Sorber, Thomas A., assignor to Philco Corporation, Philadelphia, Pa. Receiving circuit of multichannel pulse-position-modulation systems. 2,499,534, Mar. 7.
Soref, Harry E., and D. J. Foote, assignors to Master Lock Company, Milwaukee, Wis. Hasp. 2,520,742, Aug. 29.
Soreng, Edgar M., Skokie, assignor to Soreng Manufacturing Corporation, Chicago, Ill. Electrical switch. 2,523,786, Sept. 26.
Soreng, Edgar M., L. A. Sanda, and H. Y. Fisher, assignors to Soreng Manufacturing Corporation, Chicago, Ill. Electric switch. 2,506,653, May 9.
Soreng, Edgar M., Skokie, and H. Y. Fisher, Melrose Park, assignors to Soreng Manufacturing Corporation, Chicago, Ill. Solenoid with shock absorbing, coil retaining element. 2,516,603, July 25.
Soreng Manufacturing Corporation, assignee: *See*—
Sanda, Laddie A.
Soreng, Edgar M.
Soreng, Edgar M., and Fisher.

Sorensen, Andrew J., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Power supply means. 2,503,774, Apr. 11.

Sorensen, Andrew J., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Meter compensating for diameter of conductor under test. 2,512,391, June 20.

Sorensen, Andrew J., Edgwood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Equipment for testing trolley wire insulators and rail bonds of electric railways. 2,518,087, Aug. 8.

Sorensen, Andrew J., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Battery charging apparatus. 2,530,587, Nov. 21.

Sorensen, Clarence S., Cleveland, Ohio. Variable displacement piston pump and control system for the same to control the pump in both a high-pressure phase and a low-pressure phase. 2,509,256, May 30.

Sorensen, Clarence S., Los Angeles, Calif. Pump. 2,506,974, May 9.

Sorensen, Clarence T., Lakewood, Ohio, assignor of twelve and one-half per cent to L. S. McLeod, Evanston, Ill., ten per cent to W. H. Kendall, Cleveland, Ohio, five per cent to P. W. Lewis, and five per cent to W. W. Lorch, St. Louis, Mo. Absorption refrigeration system and process. 2,525,431, Oct. 10.

Sorensen, Edward M., deceased, by H. S. Sorensen, administratrix, Stamford, Conn., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Load balancing system. 2,495,783, Jan. 31.

Sorensen, George E., Stratford, assignor to O. E. Sorensen, Incorporated, Bridgeport, Conn. Nippers with retainer for work clippings. 2,521,027, Sept. 5.

Sörensen, Harald M., Vasteras, and B. Stephensen, Ludvika, assignors to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Generating low-frequency electrical oscillations. 2,518,953, Aug. 15.

Sorensen, Helen S., administratrix: *See*—
Sorensen, Edward M.

Sorensen, Lee S., Long Beach, Calif. Oil saver and drilling control. 2,502,803, Apr. 4.

Sorensen, Marius, Astoria, N. Y. Switch construction. 2,521,489, Sept. 5.

Sörensen, Nils A., and K. Kristensen, Trondheim, Norway. Isolating mannite. 2,516,350, July 25.

Sorensen, O. E., Incorporated, assignee: *See*—
Sorensen, George E.

Sorensen, Oscar M., Fernandina, Fla. Trawl net sled. 2,523,925. Sept. 26.

Sorensen, William T., assignee: *See*—
Sagen, Lawrence G.

Sorenson, Axel R., Detroit, Mich. Combination storm window and awning. 2,521,263, Sept. 5.

Sorenson, Ben E., Drexel Hill, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of ketenes. 2,513,825, July 4.

Sorenson, George E., assignor to Woodward Governor Company, Rockford, Ill. Reversible motion-transmitting mechanism. 2,521,759, Sept. 12.

Sorenson, Stanley E., Oswego, Oreg. Tape applier and dispenser. 2,527,588, Oct. 31.

Sorenson, Wendell L., Great Neck, N. Y. Apparatus for forming and driving staples. 2,520,973, Sept. 5.

Sorf, Edward J. R., Haddon Heights, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Revivifying sulfur killed catalysts. 2,504,102, Apr. 18.

Sorg, Harold E.: *See*—
Chamberlain, Richard H., and Sorg.

Sorg, Harold E., Redwood City, P. D. Williams, Palo Alto, and D. F. Drieschman, Los Altos, assignors to Eitel-McCullough, Inc., San Bruno, Calif. Filamentary cathode for electron tubes. 2,525,565, Oct. 10.

Sorg, Lloyd F., Garden City, N. Y., assignor to The Sperry Corporation. High-frequency apparatus. 2,497,564, Feb. 14.

Sorkin, Morris, New York, N. Y., assignor to Scientific Development Corp. Toy flatiron. 2,497,744, Feb. 14.

Sorrells, Victor M., Little Rock, Ark. Illuminated record holder. 2,506,113, May 2.

Sorteberg, Johannes, Bethlehem, Pa. Controlling the feed to a rotary drum mill. 2,517,451, Aug. 1.

Sorton, Fred C., assignor to Whitin Machine Works, Whitinsville, Mass. Warp knitting machine. 2,533,061, Dec. 5.

Sosdian, Lorenz F., New Orleans, La. Trammel bar. 2,525,186, Oct. 10.

Sosman, Robert B., Westfield, N. J., assignor to United States Steel Corporation of Delaware. Open-hearth furnace and operating the same. 2,494,415, Jan. 10.

Soss, Mark, Spokane, Wash. Aquatic toy. 2,500,098, Mar. 7.

Soss, Mark, Spokane, Wash. Dispensing brush. 2,509,992, May 30.

Soss, Mark, Spokane, Wash. Convertible automotive mower. 2,509,993, May 30.

Sossamon, Barney D., Richmond, Calif. Shoulder bib. 2,499,689, Mar. 7.

Sossi, John, Bayside, N. Y. Window lock. 2,528,618, Nov. 7.

Soucie, George R., South Brewer, Maine. Aquarium air pump. 2,510,427, June 6.

Souczek, Ernst, assignor of one-half to W. Kmentt, Vienna, Austria. Stream turbine. 2,501,696, Mar. 28.

Souders, Mott, Jr.: *See*—
Pierotti, Gino J., Anderson and Souders, Jr.

Souget, Matthys L. M., New York, N. Y. Handset support and inductive pick-up for telephone signal amplifying system. 2,500,264, Mar. 14.

Soukup, George J., assignor to Lockheed Aircraft Corporation, Burbank, Calif. Trim attaching device. 2,495,870, Jan. 31.

Soulé, Charles W., Reno, Nev., assignor to J. C. Soulé, Washington, D. C. Flight trainer. 2,524,238, Oct. 3.

Soule, Chester E., Reseda, Calif. Toothbrush with removable head. 2,517,045, Aug. 1.

Soulé, Jessie C., assignee: *See*—
Soulé, Charles W.

Soulè Steel Company, assignee: *See*—
Kullmer, Frank, and Rienecker.

Sound Apparatus Co., assignee: *See*—
Niemann, Arthur W., and Reitz.

Soundscriber Corporation, The, assignee: *See*—
Giovannucci, Julius L.
Giovannucci, Julius L., Werbiskas and Balmer.
Stone, Robert L., and Anderson.
Stone, Robert L., and Runge.
Thompson, Lincoln, and Balmer.

Sourber, Earl J., Allentown, Pa. Automatic water control switch. 2,514,731, July 11.

Sourwine, James A., Washington, D. C. Prestressing cement products. 2,535,100, Dec. 26.

Sousa, John: *See*—
Coley, George S., and Sousa.

Soussloff, Dimitri G., New York, N. Y., and R. P. Piperoux, Radburn, N. J., assignors to Celanese Corporation of America. Tube assembly machine. 2,520,224, Aug. 29.

South Bend Lathe Works, assignee: *See*—
Frushour, Russel E.

Southern Belting Company, assignee: *See*—
Dickinson, Ingram.

Southern California Gas Company, assignee: *See*—
Warren, Harry L.

Southern Cotton Oil Company, The, assignee: *See*—
Lindsey, Frank A., Jr., and Maxwell.

Southern Engineering Company, Incorporated, assignee: *See*—
Wilson, Eldon M., and Pollock.

Southern, John A., and S. B. Gogese, U. S. Army. Flow regulation valve. 2,531,479, Nov. 28.

Southern Mills, Incorporated, assignee: *See*—
Baker, Ralph B.

Southern Saw Service, Inc., assignee: *See*—
Anderson, Eugene A., and Roberts.

Southern States Equipment Corporation, assignee: *See*—
Caldwell, John R., and Lemmon.
De Montmollin, James M., and Curtis.
Gussow, William A., and Curtis.

Southern Steel Co., assignee: *See*—
White, Loyd J.

Southgate, George T., deceased, Forest Hills, N. Y.; M. C. Southgate, administratrix, assignor to M. C. Southgate. Magnetic switch. 2,507,940, May 16.

Southgate, May C., administratrix, assignee: *See*—
Southgate, George T.

Southwestern Development Company, assignee: *See*—
Roney, Leonard C.

Southwick, Charles A., Jr., assignor to Shellmar Products Corporation, Mount Vernon, Ohio. Filling containers. 2,522,200, Sept. 12.

Southworth, George C., Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave guide system. 2,514,678, July 11.

Southworth, George C., Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Radio wave transmission. 2,523,398, Sept. 26.

Southworth, George C., Rumson, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave transmission. 2,514,679, July 11.

Southworth Machine Company, assignee: *See*—
Aberle, Roy.

Souza, Manuel O., Newman, Calif. Switch. 2,508,692, May 23.

Sovatkin, Edward J.: *See*—
Gusberg, Saul B., and Sovatkin.

Sovatkin, Edward J., New York, assignor to J. Sklar Manufacturing Co., Inc., Long Island City, N. Y. Tonometer. 2,520,223, Aug. 29.

Sowa, Frank J., Cranford, N. J. Laminated products and producing the same. 2,502,286, Mar. 28.

Sowa, Frank J., Cranford, N. J. Heat transfer. 2,515,672, July 18.

Sowa, Frank J., Cranford, N. J. Fungicidal mercury compounds and making same. 2,524,547, Oct. 3.

Sowa, Frank J., Cranford, N. J. Preparation of organosilicon fluorides. 2,527,233, Oct. 24.

Sowa, Frank J., Cranford, N. J. Siliceous sheet material coated with plasticized organosilicon condensate. 2,530,635, Nov. 21.

Sowa, Frank J., Cranford, N. J. Caster oil-organo silicon reaction products and the production thereof. 2,535,239, Dec. 26.

Sowden, John C., St. Louis, Mo., assignor to Corn Products Refining Company, New York, N. Y. Carbohydrate C-nitroolefins and preparation. 2,530,342, Nov. 14.

Sowerby, George A., Newcastle-on-Tyne, and W. S. Short, Seaton Burn, Newcastle-on-Tyne, assignors to George Angus & Company Limited, Newcastle-on-Tyne, England. Belting. 2,520,699, Aug. 29.
Sowers, Joseph A., assignee: *See*— Warkentin, Robert E.
Sowter, Anthony B., Wembley, assignor to The General Electric Company, Limited, London, England. Cold pressure welding. 2,522,408, Sept. 12.
Soya Derivatives, Inc., assignee: *See*— Turner, John R., and Sair.
Spack, Harry, Washington, D. C. Swimming trunks. 2,524,212, Oct. 3.
Spaeth, Charles, Mamaroneck, N. Y. Ultra high frequency radiation counter. 2,500,473, Mar. 14.
Spaeth, Philip D., Cincinnati, Ohio. Hair curling clip heater. 2,517,253, Aug. 1.
Spahn, Paul E., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Apparatus for use in the manufacture of multiply glass sheet glazing units. 2,508,079, May 16.
Spahr, James F., Washington, D. C. Shopping bag. 2,531,954, Nov. 28.
Spaine, Edward P., Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Thread-trimming and pull-off mechanism for sewing machines. 2,499,335, Feb. 28.
Spalding, A. G., & Bros., assignee: *See*— Pierce, George L.
Spalding, A. G., & Bros., Inc., assignee: *See*— Brown, William T.
Gibson, Frederick W.
Spalding, John D.: *See*— Babcock, Lloyd L., and Spalding.
Spalding, John E., Nitro, and L. K. Spangler, Parkersburg, W. Va., assignors to American Viscose Corporation, Wilmington, Del. Apparatus for the treatment of filaments in continuous bundles with liquid. 2,516,268, July 25.
Spalding, Kenneth F.: *See*— Taber, Irene D., L. O., and Spalding.
Spanel, Abraham N., Dover, Del. Shoulder pad. 2,495,028, Jan. 17.
Spanel, Abraham N., Princeton, N. J. Constructing a utility device for infants. 2,515,806, July 18.
Spanel, Abraham N., Princeton, N. J. Rubber or latex article. 2,528,980, Nov. 7.
Spanel, Abraham N., Princeton, N. J., F. W. Andrews, and H. A. Owen, assignors to International Latex Corporation, Dover, Del. Crib or the like sheet. 2,533,971, Dec. 12.
Spang, Ferdinand J., Butler, Pa. Process and apparatus for forging cable tool drill bits. 2,508,693, May 23.
Spang, William F., Milton, assignor to Cube Steak Machine Co., Boston, Mass. Meat tenderizing machine. 2,497,038, Feb. 7.
Spang, William F., Milton, assignor to Cube Steak Machine Co., Boston, Mass. Fowl cleaning tool. 2,512,290, June 20.
Spang, William F., Milton, assignor to Cube Steak Machine Co., Boston, Mass. Meat cutting machine. 2,525,004, Oct. 10.
Spangler, George E., assignor to Ed. Friedrich, Inc., San Antonio, Tex. Open-top refrigerated display case. 2,495,554, Jan. 24.
Spangler, Lynwill K.: *See*— Spalding, John E., and Spangler.
Spanier, Fritz, Staten Island, N. Y. Textile washer and drier utilizing compression waves. 2,495,295, Jan. 24.
Spanier, Joseph A. and N. N., San Francisco, Calif. Apparatus for scrubbing bunks and the like. 2,497,423, Feb. 14.
Spanier, Norman N.: *See*— Spanier, Joseph A. and N. N.
Spann, Marian L., executrix: *See*— Chaya, John S., and Spann.
Spann, William L.: *See*— Chaya, John S., and Spann.
Spann, Woodward, Gunnison, Colo. Claw grabhook. 2,494,010, Jan. 10.
Spanne, Henning, Duvbo, assignor to Telefonaktiebolaget L M Ericsson, Stockholm, Sweden. Device for condensers. 2,504,281, Apr. 18.
Spannuth, Hiram T., Chicago, Ill., assignor to Wilson & Co., Inc. Separation of fatty acids. 2,505,012, Apr. 25.
Spanos, Peter A., San Francisco, Calif. Grease trapping device. 2,494,146, Jan. 10.
Sparacino, Charles: *See*— Lee, Donald D., and Sparacino.
Sparaco, Albert R., Marlboro, N. Y. Repair and warning lamp for vehicles. 2,503,974, Apr. 11.
Spare, Lola R., Pasadena, Calif. Garment. 2,505,219, Apr. 25.
Spar-Holl Manufacturing Company, Incorporated, assignee: *See*— Sparkes, Harry P.
Sparkes, Harry P., West Orange, N. J., assigner to Spar-Holl Manufacturing Company, Incorporated, Glassport, Pa. Safety device for vehicle brakes. 2,494,269, Jan. 10.
Sparkes, Julian G.: *See*— Hensel, Franz R., and Sparkes.
Sparklin, Charles H., Chicago, Ill., assignor to Birtman Electric Co. Carbon disk resistor. 2,502,489, Apr. 4.
Sparklin, Charles H., Chicago, Ill., assignor to Birtman Electric Company. Resistance element and electric iron containing the same. 2,512,692. June 27.
Sparklin, Charles H., Chicago, Ill., assignor to Birtman Electric Company. Speed governor for sewing machine motors. 2,516,156, July 25.
Sparklin, Charles H., Chicago, Ill., assignor to Birtman Electric Company. Electric iron. 2,518,503, Aug. 15.
Sparklin, Charles H., Chicago, Ill., assignor to Birtman Electric Company. Variable-speed electric drill. 2,525,839, Oct. 17.
Sparklin, Charles H., Chicago, Ill., assignor to Birtman Electric Company. Speed governor for motors. 2,532,345, Dec. 5.
Sparklin, Charles H., and G. Sporney, Chicago, Ill., assignors to Birtman Electric Company. Variable drip valve. 2,531,480, Nov. 28.
Sparkman, J. B., Dallas, Tex. Windshield cleaning device. 2,532,429, Dec. 5.
Sparks, Angela S., Augusta, Ga. Folding table for attachment to vehicle doors. 2,533,147, Dec. 5.
Sparks, Cedric H., London, England, assignor to Detroit Stoker Company, Detroit, Mich. Removal from and burning of ash on a grate. 2,534,634, Dec. 19.
Sparks, Earl C., Jr., Cranston, R. I., and M. B. Taylor, Huntingdon Valley, Pa. Guided missile. 2,512,693, June 27.
Sparks, George C., Chadds Ford, Pa. Rotary pill dispenser. 2,519,156, Aug. 15.
Sparks, Maxwell P., Chicago, Ill. Electronic time controlled power initiating means. 2,525,969, Oct. 17.
Sparks, Warren A., Long Beach, assignor to J. M. Henry, Inglewood, Calif. Trigger-type gaseous blowtorch. 2,506,114, May 2.
Sparks, Warren A., Long Beach, assignor to J. M. Henry, Inglewood, Calif. Slidable jaw pipe wrench. 2,526,167, Oct. 17.
Sparks, William J.: *See*— Garber, John D., Sparks, and Young.
Gleason, Anthony H., Frolich, and Sparks.
Hardy, Paul E., and Sparks.
Lightbown, Irving E., Sparks, and Thomas.
Young, David W., and Sparks.
Sparks, William J., A. H. Gleason, and P. K. Frolich, Westfield, N. J., assignors, by mesne assignments, to Jasco, Incorporated. Wax-resin compositions. 2,526,655, Oct. 24.
Sparks, William J., Westfield, and J. D. Garber, Cranford, N. J., assignors to Standard Oil Development Company. Low-temperature polymerization process for unsaturates. 2,529,520, Nov. 14.
Sparks-Withington Company, The, assignee: *See*— Dunlap, Hobert M.
Sparmann, Edmund E. K., Stockholm, Sweden. Two-cycle engine sleeve valve control of scavenging. 2,523,599, Sept. 26.
Sparrow, Hubert T., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Aircraft temperature control. 2,505,157, Apr. 25.
Sparrow, Hubert T., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Apparatus responsive to overspeed and acceleration conditions. 2,505,220, Apr. 25.
Sparrow, Marvin W.: *See*— Little, Paul C., and Sparrow.
Spase, Charles B., Nedrow, assignor to Lipe-Rollway Corporation, Syracuse, N. Y. Friction clutch. 2,493,700, Jan. 3.
Spase, Charles B., Nedrow, assignor to Lipe-Rollway Corporation, Syracuse, N. Y. Fan control for the cooling systems of automotive engines. 2,506,520, May 2.
Spase, Charles B., Nedrow, assignor to Lipe-Rollway Corporation, Syracuse, N. Y. Clutch and clutch shaft brake. 2,511,133, June 13.
Spatig, R. F., assignee: *See*— Augustine, Heinz.
Spatola, Joseph S., Waycross, Ga. Welt guide. 2,514,265, July 4.
Spatz, Harry F., Woodhaven, N. Y. Automatic automobile wheel sander. 2,507,738, May 16.
Spaulding, David C., Cuyahoga Falls, and C. E. Brockway, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Preparing acrylonitrile by vapor phase catalytic reaction of acetylene and hydrogen cyanide. 2,502,678, Apr. 4.
Spaulding, Frank E., Jr., White Plains, N. Y., assignor to Radio Corporation of America. Electrical protective system. 2,508,548. May 23.
Spaulding, William R., Kansas City, Mo. Dishwasher. 2,514,100, July 4.
Speaker, John W., assignee: *See*— Jodry, Frederick N.
Speaker, John W., Milwaukee, Wis. Battery lifter. 2,503,005, Apr. 4.
Speaker, John W., Milwaukee, Wis. Patch unit for vulcanizers. 2,513,757. July 4.
Speaker, John W., Milwaukee, Wis. Clamp for use in vulcanizing. 2,519,984, Aug. 22.
Speakman Company, assignee: *See*— Fraser, James.
Spear, Everett C.: *See*— Schnepel, Lawrence S., and Spear.
Spear, John E., Wichita, Kans. Window hood. 2,526,168, Oct. 17.

Spear, Richard M.: *See*—
Rissler, Lennius R., and Spear.
Speare's, Alden, Sons Co., The, assignee: *See*—
Thompson, Willis F.
Spearing, Leonard N., Detroit, and W. Hyvari, Tuscarora, Mich. Dump trailer. 2,495,354, Jan. 24.
Spearrin, William R., Naugatuck, assignor to Scovill Manufacturing Company, Waterbury, Conn. Buckle holder for assembling straps. 2,508,340, May 16.
Spears, Charleszine W., Kansas City, Kans. Color harmonizing chart. 2,512,181, June 20.
Spears, Frank G. W.: *See*—
Lumb, Charles F., and Spears.
Spears, Verian W., Columbus, Ind., assignor to James R. Kearney Corporation, St. Louis, Mo. Sequence grounding device. 2,508,778, May 23.
Speas, Clarence J., Nashville, Tenn. Pocketbook soap dispenser. 2,507,228, May 9.
Specht, Theodore, Sharon, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Current transformer. 2,534,931, Dec. 19.
Special Equipment Company, assignee: *See*—
Skog, Henry A.
Specialties Development Corporation, assignee: *See*—
Frese, Carl W., and Scott.
Gerin, Fernand L.
Grant, Harry C., Jr.
Grant, Harry C., Jr., and Haessler.
Griggs, Nelson S.
Heigis, Henry E.
Heigis, Henry E., and Frese.
Heizer, Edward J., and Stuart.
Hobelmann, Alfred H.
Joerren, Ernest A.
Lane, Cecil T., Marsh, and Haessler.
Manhartsberger, Albert.
Mapes, Daniel.
Mapes, Daniel, Sylvester, and Hayes.
Marsh, Sidney C.
Rausch, Andrew W.
Stroop, John H.
Specialties, Inc., assignee: *See*—
Alkan, Robert.
Bartolomei, George G.
Boe, Gottfred.
De Beauregard, Amedee C.
Hellen, James S.
Price, Osborne I.
Speck, Ernst, assignor to Zinsco Electrical Products Company, Los Angeles, Calif. Circuit breaker. 2,502,537, Apr. 4.
Speck, Jerome C., Cleveland, Ohio. Mechanical lighter. 2,503,640, Apr. 11.
Speck, Kurt, Palisades Park, assignor to Nanasi Co., Inc., West New York, N. J. Bracelet chain. 2,528,185, Oct. 31.
Speck, Robert P., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic relief image. 2,494,068, Jan. 10.
Speckman, Samuel S., and M. Yoss, Bronx, N. Y. Pocket-size tissue container. 2,501,357, Mar. 21.
Spector, Irving, Miami, Fla. Automatic self-indexing commutator slotter. 2,520,514, Aug. 29.
Spectro Manufacturing & Sales, Inc., assignee: *See*—
Tonn, Howard H.
Speed Corporation, assignee: *See*—
Speed, James H.
Speed, Donald K., Boston, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Transponder tester circuit. 2,530,093, Nov. 14.
Speed, James H., Seaside, assignor to Speed Corporation, Portland, Oreg. Saw filer guide. 2,495,991, Jan. 31.
Speed Products Company, Inc., assignee: *See*—
Cavanagh, John F.
Olney, Nathaniel M.
Palmer, Charles M.
Von Cseh, Louis.
Speed-Meal Corporation, assignee: *See*—
Nelson, Carl.
Speedo Manufacturing Co., Inc., assignee: *See*—
Bamberger, Alfred A.
Speed Queen Corporation, assignee: *See*—
Schroeder, Simon E.
Speedry Products, Inc., assignee: *See*—
Rosenthal, Sidney N.
Speer, Arthur E., Milwaukee, Wis. Retriever. 2,522,692, Sept. 19.
Speer, William H., and D. M. Foley, Moosup, Conn. Rake. 2,510,936, June 6.
Speer, William H., Moosup, Conn. Fuel burner provided with combustion gas recirculating means. 2,532,740, Dec. 5.
Speicher, Carl F.: *See*—
Speicher, Marcus E. and C. F.
Speicher, Marcus E. and C. F., Celina, Ohio. Guide rail for conveyers. 2,493,169, Jan. 3.
Speidel Corporation, assignee: *See*—
Augustein, Karl C.
Speier, John L., Jr., Pittsburgh, Pa., assignor to Corning Glass Works, Corning, N. Y. Chlorination of organosilicon compostions. 2,510,148, June 6.
Speier, John L., Jr., Pittsburgh, Pa., assignor to Corning Glass Works, Corning, N. Y. Chlorination of organosilicon compositions. 2,510,149, June 6.
Speier, John L., Jr., Pittsburgh, Pa., assignor to Dow Corning Corporation, Midland, Mich. Interaction of hydroxymethyl siloxanes with hydrocarbon di-isocyanate. 2,527,590, Oct. 31.
Speier, John L., Jr., Pittsburgh, Pa., assignor to Dow Corning Corporation, Midland, Mich. Hydroxymethyl siloxanes. 2,527,591, Oct. 31.
Speir, Godfrey B., Cedar Grove, and D. Wehrle, Montclair, N. J., assignors to Curtiss-Wright Corporation. Propeller blade deicing shoe. 2,503,457, Apr. 11.
Speirs, George W., St. Albans, N. Y. Educational device. 2,524,548, Oct. 3.
Speirs, John L.: *See*—
Andrews, Norwood H., and Speirs.
Spelbrink, Paul H.: *See*—
Wehmiller, Frederick W., Nekola, and Spelbrink.
Spellman, Erick: *See*—
Erickson, Charles, and Spellman.
Spence Engineering Company, Inc., assignee: *See*—
Spence, Paulsen.
Spence, Fred, Sale, and J. W. Jakeman, Timperley, assignors to Linotype and Machinery Limited, London, England. Sheet handling mechanism for printing machines. 2,508,844, May 23.
Spence, George H., assignor to Harman Distributors, Inc., New Haven, Conn. Attachment for lawn mowers. 2,533,745, Dec. 12.
Spence, Hubert L., East Cleveland, and D. Willison, Shaker Heights, assignors to National Malleable and Steel Castings Company, Cleveland, Ohio. Cushioning mechanism for railway vehicles. 2,527,589, Oct. 31.
Spence, Hubert L., and W. J. Metzger, East Cleveland, assignors to National Malleable and Steel Castings Company, Cleveland, Ohio. Draft rigging. 2,533,903, Dec. 12.
Spence, John: *See*—
Carroll, Burt H., and Spence.
Fallesen, George E., and Spence.
Spence, Paulsen, Hot Springs, Ark., assignor to Spence Engineering Company, Inc., Walden, N. Y. Regulating valve. 2,532,958, Dec. 5.
Spencer, Barnard J., Jr., and L. G. Brinson, Gainesville, Fla. Boat trailer. 2,498,014, Feb. 21.
Spencer, Benjamin F.: *See*—
Ferrill, Thomas M., Jr., and Spencer.
Spencer, Charles G., Dallas, Tex. Disappearing closet. 2,499,791, Mar. 7.
Spencer Chemical Company, assignee: *See*—
Yeandle, William W.
Spencer, Chester E., Olympia, Wash. Traction hitch. 2,511,182, June 13.
Spencer, Donald L., Naugatuck, assignor to Scovill Manufacturing Company, Waterbury, Conn. Hose coupling. 2,517,606, Aug. 8.
Spencer, E. Gary: *See*—
Baker, Frederick C., and Spencer.
Spencer, Elbert G.: *See*—
Baker, Frederick C., and Spencer.
Spencer, George A., and G. P. Bosomworth, assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Method and apparatus for making fine filaments. 2,514,189, July 4.
Spencer, Harry H., Springfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Generator drive control system. 2,518,394, Aug. 8.
Spencer and Heil, Inc., assignee: *See*—
Spencer, Ronald R.
Spencer, Helen J., assignee: *See*—
Spencer, Lloyd.
Spencer, James A.: *See*—
Thomas, Lewis A., Spencer, and Shenk.
Spencer, James A., Teaneck, N. J., assignor to Radio Corporation of America. Phasing device for motor stators. 2,495,828, Jan. 31.
Spencer, James A., Teaneck, N. J., assignor to Radio Corporation of America. Tape reperforator. 2,506,000, May 2.
Spencer, John T., Birmingham, assignor to Detroit Stamping Company, Detroit, Mich. Article-holding clamp having a selectively rigid or spring-pressed jaw. 2,502,804, Apr. 4.
Spencer, John W., Brooklands, Sale, England. Photo-telegraphy system. 2,507,323, May 9.
Spencer, Lee, Phoenix, Ariz. Combined tie plate and rail retaining structure. 2,522,314, Sept. 12.
Spencer, Lloyd, Long Beach, assignor of one-half to I. Kaplan, Pasadena, and one-half to H. J. Spencer, Los Angeles, Calif. Hair curler. 2,525,750, Oct. 10.
Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Treating foodstuffs. 2,495,429, Jan. 24.
Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Electron discharge device. 2,496,500, Feb. 7.
Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. High-frequency protective circuits. 2,498,719, Feb. 28.
Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Pulsed oscillator of the magnetron type. 2,500,328, Mar. 14.

Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Electron discharge device. 2,501,196, Mar. 21.
Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Vacuum condenser. 2,524,000, Sept. 26.
Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Compressed cathode support structure. 2,524,001, Sept. 26.
Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Receptacle. 2,528,251, Oct. 31.
Spencer, R. M., assignee: *See*—
Alger, John T.
Spencer, Robert H., Melrose Park, Ill. Railway truck. 2,516,081, July 18.
Spencer, Robert H., Melrose Park, Ill. Railway truck. 2,516,082, July 18.
Spencer, Ronald R., assignor to Spencer and Heil, Inc., Bloomfield, N. J. Blade sharpener. 2,507,826, May 16.
Spencer, Russell, Sullivan, Ind., assignor to Cardox Corporation, Chicago, Ill. Material breaking shell. 2,532,578, Dec. 5.
Spencer Turbine Company, assignee: *See*—
Smith, Lester C., and Paine.
Spencer Turbine Company, The, assignee: *See*—
Paine, Wilbur V.
Spencer, William C., Tuckahoe, N. Y., and W. A. Manty, Hasbrouck Heights, N. J., assignor to Railway Electronics, Inc., Tuckahoe, N. Y. Telegraph apparatus. 2,498,588, Feb. 21.
Spencer, William M., Chicago, Ill. Fluid film closure for building entrances and exits. 2,516,432, July 25.
Spender, Donald L., Naugatuck, assignor to Scovill Manufacturing Company, Waterbury, Conn. Flashlight switch. 2,502,600, Apr. 4.
Spender, Donald L., Naugatuck, assignor to Scovill Manufacturing Company, Waterbury, Conn. Lipstick holder. 2,509,536, May 30.
Spendlove, Max J., Salt Lake City, Utah. Electric test probe. 2,516,657, July 25.
Spengler, Henry, assignor to H. J. Jackson, New York, N. Y. Strap or belt structure. 2,495,029, Jan. 17.
Spengler, Lillian A., Milford, Conn. Slip-on garment. 2,517,046, Aug. 1.
Spengler, Walter J., Sidney, assignor to Bendix Aviation Corporation, New York, N. Y. Ignition system. 2,498,305, Feb. 21.
Sperber, Edward J., Indianapolis, Ind., assignor to Radio Corporation of America. Radio receiver sequence tuner. 2,511,602, June 13.
Sperber, Nathan, New York, and D. Papa, Brooklyn, N. Y., and E. Schwenk, Montclair, assignors to Schering Corporation, Bloomfield, N. J. Antispasmodics. 2,519,408, Aug. 22.
Sperber, Nathan, Bronx, and D. Papa, Brooklyn, N. Y., assignors to Schering Corporation, Bloomfield, N. J. Trisubstituted acetic acids. 2,529,521, Nov. 14.
Sperberg, Lawrence R., Phillips, Tex., and C. C. Crawford, Bartlesville, Okla., assignors to Phillips Petroleum Company. Milling rubbery hydrocarbon polymer with resinous residue from polymerization of cracked gasoline. 2,519,796, Aug. 22.
Sperberg, Lawrence R., Phillips, Tex., and C. C. Crawford, Bartlesville, Okla., assignors to Phillips Petroleum Company. Rubbery butadiene-styrene copolymer compounded with an acid soluble hydrocarbon oil. 2,523,926, Sept. 26.
Sperling, Gustav, Los Angeles, Calif. Thermostatic valve. 2,521,612, Sept. 5.
Spero, George B.: *See*—
Levin, Robert H., McIntosh, Jr., and Spero.
Sperrazza, Jerome J., Buffalo, N. Y. Connection actuated receptacle switch. 2,500,474, Mar. 14.
Sperry, Albert F., Chicago, Ill. Electric alarm system. 2,501,793, Mar. 28.
Sperry, Charles F., Burbank, assignor to Alumalux Company, Pasadena, Calif. Joining strip for metal shingles. 2,522,067, Sept. 12.
Sperry Corporation, assignee: *See*—
Godley, Noah H. and F. O.
Sperry Corporation, The, assignee: *See*—
Ayres, Waldemar A.
Ayres, Waldemar A., Wathen, and Lee.
Barkalow, Clare E.
Barkalow, Clare E., and Haskins, Jr.
Barrow, Wilmer L., and Mieher.
Bates, Mortimer F.
Braddon, Frederick D.
Braddon, Frederick D., deWestfelt, and Brannin.
Browder, Jay E.
Brown, Lawrence S.
Carter, Leslie F.
Clegg, Douglas.
Crowther, George A.
Curry, Robert S., Jr.
Dean, Walter N.
Feenberg, Eugene.
Ferrill, Thomas M., Jr.
Ferrill, Thomas M., Jr., and Spencer.
Fetherolf, James M., Forrest, and See.
Garbarini, Robert F., and Edwards.
Ginzton, Edward L.
Ginzton, Edward L., and Salisbury.
Sperry Corporation, The, assignee: *See*—Continued.
Goertz, Raymond C.
Grisdale, George W., Jr.
Halpert, Percy.
Hammond, Edmund B., Jr.
Handel, Alfred J.
Hansen, William W.
Hansen, William W., and Learned.
Hansen, William W., and Woodyard.
Hansen, William W., Woodyard, and Ginzton.
Harris, Herbert, Jr.
Harrison, Arthur E.
Harrison, Arthur E., and Roemer.
Haskins, Robert, Jr., and Barkalow.
Haxby, Robert O.
Hays, Robert F., Jr.
Hendrickson, Harold S.
Hildebrand, Lynn R.
Hoag, Oliver.
Hull, Harvard L., Goertz, and Hartman.
Hupcey, Joseph V.
Isbister, Eric J., and Moseley.
Jenks, Frederic A.
Johnson, Montgomery H., and Hansen.
Kellogg, Spencer, 2nd.
Kellogg, Spencer, 2nd, and Hanson.
Lancor, Joseph H., Jr.
Litchford, George B.
Litchford, George B., and Day.
Lundstrom, Oscar.
Lundy, Clarence C.
Lyman, Joseph.
Mallett, John D., and Gamble.
Marindin, Frederick R.
Marshall, Robert J.
Mieher, Walter W.
McCoy, Rawley D.
McCoy, Rawley D., and Kusto.
Mieher, Walter W., and Mallett.
Moreno, Theodore.
Moseley, Francis L.
Mozley, Robert F.
Newell, William H.
Newell, William H., and McKenney.
Newton, George C., Jr.
Nolt, Edwin B.
Proskauer, Richard, and Young.
Rawlins, Joseph A.
Salisbury, Frederick L.
Schroeder, George F.
Scott, Larkin B.
Sensiper, Samuel.
Shepherd, James E., and Mozley.
Sorg, Lloyd F.
Staude, Edwin G.
Streeter, Edward C., Jr.
Tait, William O.
Tear, James D.
Tracy, William L.
Tracy, William L., Esval, and Robins.
Van Auken, Howard C.
Varian, Russell H.
Varian, Sigurd F.
Varian, Sigurd F., and Ginzton.
White, Gifford E., and Clegg.
Wilkerson, Jefferson R.
Wilson, Jack C.
Wilson, Lloyd B.
Wong, Lan J.
Woodyard, John R.
Wrigley, Walter.
Sperry Gyroscope Company Limited, The, assignee: *See*—
Glenny, Arthur P.
Jofeh, Lionel.
Sperry, Paul A., New Haven, Conn. Photographic printing mask. 2,498,741, Feb. 28.
Sperry Products, Inc., assignee: *See*—
Carlin, Benson.
De Lano, Ralph B., Jr.
De Lano, Ralph B., Jr., and Williams.
Drake, Harcourt C.
Farmer, Daniel E.
Firestone, Floyd A., and De Lano, Jr.
Mesh, William E.
Sperry, Roger S., assignor to Scovill Manufacturing Company, Waterbury, Conn. Fuse. 2,503,519, Apr. 11.
Sperti Faraday Inc., assignee: *See*—
Stern, Lewis J.
Sperti, George: *See*—
Kowalewski, Joseph F., and Sperti.
Spessard, Clayton I., Pittsburgh, Pa., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Coating metal surfaces. 2,530,738, Nov. 21.
Spialter, Leonard: *See*—
Rust, John B., and Spialter.
Spicer, Alvin W., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Sunlight protection for distortable rubber surfaces. 2,531,541, Nov. 28.
Spicer, Curtis D., Warren, Pa., and A. F. Casler, East Cleveland, Ohio, assignors to General Electric Company. Gauging apparatus for lengths of tubing or rod. 2,525,050, Oct. 10.

Spiegel, Harold H., assignor to Bell & Howell Company, Chicago, Ill. Producing optical glass of varied refractive index. 2,511,517, June 13.

Spiegel, Herman B., assignor to Philco Corporation, Philadelphia, Pa. Phonograph pickup apparatus having a removable cartridge. 2,532,377, Dec. 5.

Spiegel, Milton, Bronx, and H. Horowitz, New York, N. Y., said Spiegel assignor to said Horowitz. Collapsible table. 2,508,627, May 23.

Spiegel, Robert, Formoso, Kans. Rotary hydraulic coupling. 2,533,148, Dec. 5.

Spiegel, Yetta B., Chicago, Ill. Head treating apparatus. 2,507,386, May 9.

Spiegler, Louis: *See*—
Lubs, Herbert A., Wirth, Spiegler, and Bridgman.

Spiegler, Melvin: *See*—
Berland, Morton, and Spiegler.

Spiehler, Francis E., New Orleans, La. Paddle or oar suspension device. 2,504,461, Apr. 18.

Spielman, James F., Torrington, Conn. Turnbuckle wrench. 2,518,088, Aug. 8.

Spielman, Marvin A.: *See*—
Weston, Arthur W., and Spielman.

Spielman, Marvin A., Waukegan, assignor to Abbott Laboratories, North Chicago, Ill. 4-phenyl-1-alkyl isonipecotic acid lactones. 2,500,714, Mar. 14.

Spielman, Sterling C., Huntingdon Valley, assignor to Philco Corporation, Philadelphia, Pa. Automatic gain control system. 2,529,428, Nov. 7.

Spielmann, Joseph, Paris, France. Combined and perpetual indicator of the menstrual cycles. 2,512,446, June 20.

Spier, Norman N., and E. Phillips, assignors to Locke, Spier & Company (1928) Limited, Manchester, England. Process and apparatus for manufacture of shellac. 2,525,970, Oct. 17.

Spiess, Lydia, Zurich, Switzerland. Food-warming device. 2,499,690, Mar. 7.

Spiess, Roy G.: *See*—
Nickelsen, John M., Read, Spiess, and Boor.

Spieth, Edwin G., Omaha, Nebr. Rotary scraper. 2,514,810, July 11.

Spigel, Robert, Lynn, Mass. Electric broiler. 2,497,241, Feb. 14.

Spikes, Richard B., Stockton, Calif. Horizontally swinging barber's chair. 2,517,936, Aug. 8.

Spillane, Leo J., Rockaway Township, Morris County, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Methacrylonitrile process. 2,518,089, Aug. 8.

Spillane, Leo J., Rockaway Township, Morris County, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Methacrylonitrile purification. 2,527,660, Oct. 31.

Spiller, William R, and E. R. Bradmiller, Dayton, Ohio, assignors to Harris-Seybold Company. Feeding mechanism. 2,535,240, Dec. 26.

Spillman, Hal H., Wichita, Kans. Phonographic record rack and selector. 2,535,609, Dec. 26.

Spina, Joseph A., assignor to Hooker Electrochemical Company, Niagara Falls, N. Y. Photochlorination of paraffinic hydrocarbons. 2,511,818, June 13.

Spinasse, Arthur E., deceased, and W. H. Pumphrey, Sr., Mount Vernon, Ohio; H. Cornell, administrator of said A. E. Spinasse. Control circuit for electromagnets. 2,524,334, Oct. 3.

Spindel-, Motoren- und Maschinenfabrik, A. G., assignee: *See*—
Beerli, Karl.

Spindler, Joseph C., assignor to The Rauland Corporation, Chicago, Ill. Phase difference indicator. 2,517,805, Aug. 8.

Spindler, Joseph C., Chicago, Ill., assignor to Zenith Radio Corporation. Wide band antenna. 2,533,529, Dec. 12.

Spindt, Alvin E., Hammond, Ind. Renovating bowling pins. 2,506,521, May 2.

Spink, Edward J., Council Bluffs, Iowa. Staple nail. 2,533,062, Dec. 5.

Spinnato, Paul A., New Haven, Conn. Ruptured cartridge extractor. 2,520,974, Sept. 5.

Spinner, Ernest: *See*—
Lantz, Louis A., Schofield, and Spinner.

Spira, Josef, New York, N. Y. Diamond cutter's tong and guide. 2,527,592, Oct. 31.

Spira, Josef H., New York, N. Y. Apparatus for polishing or forming facets on gems, diamonds, or the like. 2,534,384, Dec. 19.

Spiral Bagging Machine Corporation, assignee: *See*—
Gerstein, Harry.
Gerstein, Harry, and Kagan.

Spiral Tyre Development Company Limited, assignee: *See*—
Witt, Earney W.

Spiro, Harry, Chicago, Ill. Dental apparatus. 2,529,429, Nov. 7.

Spiro, Peter, and F. Wohlgemuth, London, England. Electrodeposition of nickel and nickel alloys. 2,519,858, Aug. 22.

Spisak, Andrew A., assignor to The Warner & Swasey Company, Cleveland, Ohio. Signature opening and depositing mechanism. 2,507,281, May 9.

Spisak, Andrew A., assignor to The Warner & Swasey Company, Cleveland, Ohio. Clutch tap and die holder. 2,512,780, June 27.

Spiselman, Louis: *See*—
Rosenberg, George, and Spiselman.

Spitalny, Fred, Hillside, N. J. Closure fastener for vanity cases and similar articles. 2,527,158, Oct. 24.

Spitler, Harold, Arcanum, Ohio. Load-equalizing trailer hitch device. 2,517,047, Aug. 1.

Spitzer, Lawrence K., near Englewood, assignor to Equipment Repair & Manufacturing Company, Denver, Colo. Power transmission. 2,502,898, Apr. 4.

Spitzkeit, Walter H., Gulfport, Miss. Device for connecting and disconnecting two members. 2,500,299, Mar. 4.

Spladis Societe Pour L'Application D'Inventions Scientifiques, assignee: *See*—
Esnault-Pelterie, Robert.

Splaine, Edward M., assignor to American Optical Company, Southbridge, Mass. Detachable lens for one-piece channeled mountings. 2,508,870, May 23.

Splaine, Edward M., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 2,524,717, Oct. 3.

Splaine, Edward M., assignor to American Optical Company, Southbridge, Mass. Ophthalmic device having detachable shield. 2,529,110, Nov. 7.

Spo Inc., assignee: *See*—
Young, Lester C.

Spoerri, Paul E., Blue Point, and D. P. Habib, Brooklyn, assignors to L. L. Ridgway Co., Inc., New York, N. Y. Light-sensitive diazonium salt materials. 2,525,751, Oct. 10.

Spofford, Warren A., Glen Ridge, N. J., assignor to General Electric Company. Reversible temperature control valve. 2,511,677, June 13.

Spojene Ocelarny, assignee: *See*—
Dobrý, Jaroslav, and Möstl.

Spoleg pro chemickou a lutni vyrobu, narodni podnik-United Chemical and Metallurgical Works, National Corporation, assignee: *See*—
Stopka, Viktor.

Sponge Products Corporation, assignee: *See*—
Greenleaf, Nathaniel B., and Webster.

Sponge-Aire Seat Company, Incorporated, assignee: *See*—
Doremus, Howard I., and Hurwich.

Sponge Rubber Products Company, The, assignee: *See*—
Montefalco, Jack M.

Sponsler, John W., Lewisburg, Pa. Model railroad signal. 2,520,445, Aug. 29.

Spooner, Archer M., London, England, assignor to The Hartford National Bank & Trust Company, Hartford, Conn., as trustee. Saw-tooth oscillation generator. 2,527,462, Oct. 24.

Spooner, Bernard, New York, N. Y. Protective armor. 2,526,291, Oct. 17.

Spooner, David C., Jr., Westport, Conn., assignor to General Electric Company. Radiant fan heater. 2,523,787, Sept. 26.

Spooner, David C., Jr., Stratford, and G. C. Crowley, Bridgeport, Conn., assignors to General Electric Company. Control for electric blankets and the like. 2,525,463, Oct. 10.

Spooner, John M., Manheim Township, Lancaster County, and L. P. Garner, Lancaster, Pa., assignors to Radio Corporation of America. Electron discharge device of the magnetron type. 2,493,423, Jan. 3.

Spooner, Reginald A. W., Walton-on-Thames, England. Coupling pin. 2,515,807, July 18.

Spoor, Dale D., Kalamazoo, Mich. Ball-bearing clamp to hold straight-edge on a drafting board. 2,511,654, June 13.

Sporco, Inc., assignee: *See*—
Bray, Lawrence L.

Spering, Percy A., Hampton Hill, assignor to The Telegraph Condenser Company Limited, North Acton, England. Casing for electrical condensers or other apparatus. 2,509,846, May 30.

Spering, Percy A., Hampton Hill, and C. P. Johnson, Hanwell, assignors to The Telegraph Condenser Company Limited, North Action, England. Depositing films of metal on a series of plates or sheets. 2,515,358, July 18.

Sporket, Albert, Detroit, Mich. Fishing reel. 2,505,920, May 2.

Sporket, Albert, Detroit, Mich. Rotary food slicing machine. 2,505,921, May 2.

Sporlan Valve Company, assignee: *See*—
Lange, Harold T.

Sporn, Philip, and E. R. Ambrose, assignors to American Gas and Electric Company, New York, N. Y. Heat pump system. 2,513,373, July 4.

Sporney, George: *See*—
Sparklin, Charles H., and Sporney.

Sport Products, Inc., assignee: *See*—
Goldsmith, Hugo, and Hilton.
Goldsmith, Hugo, and Wilkens.
Oliver, Roy, and Frye.

Spotswood Specialty Co. Inc., assignee: *See*—
Mull, Arthur B.

Spotz, Donald R., Lakewood, assignor to Thompson Products, Inc., Cleveland, Ohio. Pump. 2,521,420, Sept. 5.

Spradlen, William F., assignor to Royal Manufacturing Co., Inc., Knoxville, Tenn. Rocking chair. 2,529,638, Nov. 14.
Sprague, Chester E., Portland, Oreg. Centrifugal switch. 2,528,845, Nov. 7.
Sprague Electric Company, assignee: *See*—
Beatty, Isaac C.
Beverly, Nelson E.
Brooks, Lester A., Markarian, and Nazzewski.
Burnham, John, and Green.
Dorst, Stanley O.
Markarian, Moushy.
Podolsky, Leon.
Robinson, Preston.
Robinson, Preston, Allison, and Beverly.
Robinson, Preston, and Reid.
Robinson, Preston, and St. Denis.
Ross, Sidney D., and Markarian.
Sprague, James M., Drexel Hill, assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa. 2-(benzenesulfonamido) - tetrahydrobenzothiazoles. 2,494,524; Jan. 10.
Sprague, James M., Drexel Hill, assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa. N-(substituted sulfonyl)-aminobenzoic acids. 2,531,367, Nov. 21.
Sprague, Joseph A., Honeoye Falls, assignor to Graflex, Inc., Rochester, N. Y. Selectively active infinity stop for cameras. 2,499,691, Mar. 7.
Sprague Meter Company, assignee: *See*—
Whitworth, Fairchild.
Sprague, Owen F., Niagara Falls, N. Y., assignor to The Mathieson Chemical Corporation. Protectively coated alkali containing solids and coating same. 2,532,201, Nov. 28.
Sprague, Robert H., and L. G. S. Brooker, assignors to Eastman Kodak Company, Rochester, N. Y. Pyrrole dimethinecyanine dyes. 2,515,905, July 18.
Sprague, Robert H.: *See*—
Brooker, Leslie G. S., and Sprague.
Sprague, Robert H., assignor to Eastman Kodak Company, Rochester, N. Y. Pyrrolocyanine dyes containing a carboxyalkyl or sulfoalkyl group. 2,503,775, Apr. 11.
Sprague, Robert H., assignor to Eastman Kodak Company, Rochester, N. Y. Cyanine dyes containing a sulfohydrocarbon radical. 2,503,776, Apr. 11.
Sprague, Robert H., and L. G. S. Brooker, assignors to Eastman Kodak Company, Rochester, N. Y. Pyrrocoline polymethinecyanine dyes. 2,511,222, June 13.
Sprague, Robert H., assignor to Eastman Kodak Company, Rochester, N. Y. Merocyanine dyes containing a carboxyalkyl group or a sulfoalkyl group. 2,519,001, Aug. 15.
Sprague, Robert M.: *See*—
Bruck, George G., Sprague, and Vosburgh.
Sprague, Robert M., Waban, and P. J. Pontecorvo, Cambridge, assignors to Raytheon Manufacturing Company, Newton, Mass. Transmitter for frequency-modulated radio communication systems. 2,509,789, May 30.
Sprague, Theodore, and R. Higgins, New Orleans, La. Apparatus for sealing oil wells. 2,504,462, Apr. 18.
Spraker, Lester L., Eaton, Ohio. Adjustable corn picker snout. 2,534,481, Dec. 19.
Spranger, Leonard J., Oak Park, Ill. Constant air velocity carburetor. 2,521,421, Sept. 5.
Spraragen, Louis, assignor to Automatic Locking Devices, Incorporated, Bridgeport, Conn. Instrument control. 2,493,272, Jan. 3.
Spratt, William P., Santa Monica, Calif. Venetian style window. 2,499,692, Mar. 7.
Spray Process Co. Inc., assignee: *See*—
Vose, Edwin W.
Spraying Systems Co., assignee: *See*—
Wahlin, Fred W.
Sprecher, Noah E., Hawthorne, Calif. Wave form demonstrator. 2,523,339, Sept. 26.
Sprecher, Noah E., Valley Cottage, N. Y., assignor to Radio Corporation of America. Apparatus for controlling black level shift in television signals. 2,525,103, Oct. 10.
Sprechmann, Michael, Bronx, N. Y. Display stand. 2,519,711, Aug. 22.
Spreckels Sugar Company, assignee: *See*—
Alston, Paul W., Moroney, and Gray.
Earl, John R., Hartmann, McGinnis, and Bernhardt.
Spreen, Elgin W., Seattle, Wash. Photograph mounting device. 2,499,535, Mar. 7.
Spreitzer, Melvin C.: *See*—
Tomczyk, Alphonse J., and Spreitzer.
Sprenger, George W., Lynn, Mass., assignor to General Electric Company. Process timer. 2,510,666, June 6.
Sprenkle, William H.: *See*—
Cronstedt, Val, Sprenkle, and Kalitinsky.
Sprick, Carl H., and M. J. Renquist, Julesburg, Colo. Mail receptacle with door actuated signal. 2,505,309, Apr. 25.
Spriggs, Edward A., assignor to H. H. Buggie & Company, Toledo, Ohio. Connector. 2,513,115, June 27.
Spriggs, Edward A., assignor to H. H. Buggie & Company, Toledo, Ohio. Mobile antenna. 2,513,116, June 27.
Spriggs, Edward A., assignor to H. H. Buggie & Company, Toledo, Ohio. Rotary shaft seal. 2,517,730, Aug. 8.
Spriggs, Arthur O., and D. E. Briner, assignors to The Champion Company, Springfield, Ohio. Casket handling apparatus. 2,520,515, Aug. 29.
Spriggs, James O., and F. Harris, Washington, D. C. Molding machine for manufacturing building blocks. 2,494,212, Jan. 10.
Spring, Otto, Okmulgee, Okla., assignor to Danciger Oil & Refining Company, Fort Worth, Tex. Apparatus for producing acetylene. 2,495,665, Jan. 24.
Springer, Abraham J., executor: *See*—
Tannenbaum, Morris L.
Springer, Donald E., Jacksonville, Fla. Manikin support. 2,520,975, Sept. 5.
Springer, Earl W., Indianapolis, Ind. Airway traffic indicator. 2,495,296, Jan. 24.
Springer, Earl W., Washington, D. C. Herald trainer. 2,524,847, Oct. 10.
Springer, Elmer E., Fairfield, Conn., assignor to General Electric Company. Time exposure indicator for sun lamps. 2,525,464, Oct. 10.
Springer, Henry A., Cincinnati, Ohio. Golf club carrier. 2,504,463, Apr. 18.
Springer, Oman, assignee: *See*—
Stemen, Everett L., Enslen and Springer.
Springer, Vintor R., assignee: *See*—
George, Elgin C.
Springett, Herold: *See*—
Hightower, Corrie, and Springett.
Springfield Boiler Company, assignee: *See*—
Rehm, Gustav A.
Springfield Tent & Awning Co., The, assignee: *See*—
Lemen, Charles W.
Springman, Sidney H., Torrance, Calif. Engraver's tool sharpening machine. 2,511,449, June 13.
Springs Cotton Mills, The, assignee: *See*—
Beall, Herbert W.
Sproat, Arleigh C., Mercer, assignor to J. C. Stokes, Erie, and C. T. Sheasley, Ben Avon, Pa. Combined spraying and compressor unit. 2,521,313, Sept. 5.
Sproul, John C., Glasgow, assignor to Mavor & Coulson Limited, Glasgow, S. E., Scotland. Mining machine. 2,512,392, June 20.
Sproule, Donald O., assignor to Henry Hughes & Son Limited, London, England. Mounting of stabilized platforms on moving vehicles. 2,501,479, Mar. 21.
Sproule, Lorne W., and W. C. Pattenden, Sarnia, Ontario, Canada, assignors to Standard Oil Development Company. Sulfonate base lubricating grease. 2,535,101, Dec. 26.
Sproule, William K., C. E. Young, Copper Cliff, and R. L. Snitch, Coniston, Ontario, Canada, assignors to The International Nickel Company, Inc., New York, N. Y. Rotary kiln for chemical and metallurgical processes. 2,507,123, May 9.
Sproull, Reavis C.: *See*—
Hopkins, Richard J., and Sproull.
Sproull, Reavis C., and P. L. Staats, Pittsfield, Mass., assignors to General Electric Company. Glass fiber sheet material. 2,504,744, Apr. 18.
Sproull, Robert L., Ithaca, N. Y., assignor to Radio Corporation of America. Frequency modulation system. 2,493,091, Jan. 3.
Sproull, Robert L., Ithaca, N. Y., assignor to Radio Corporation of America. Frequency modulation system for microwave generators. 2,510,026, May 30.
Sproull, Robert L., Ithaca, N. Y., assignor to Radio Corporation of America. Microwave transmission system. 2,517,731, Aug. 8.
Sproull, Robert L., Penns Neck, N. J., assignor to Radio Corporation of America. Frequency modulation system. 2,501,545, Mar. 21.
Sproull, Robert L., Princeton, N. J., assignor to Radio Corporation of America. Variable coupling device. 2,520,614, Aug. 29.
Sprouse, Verner E., Columbus, Ind. Flanged hub. 2,497,242, Feb. 14.
Sprowl, Paul P., Bakersfield, Calif. Line adjuster. 2,529,056, Nov. 7.
Spruance, Frank P., Jr., Ambler, and J. H. Thirsk, Wyncote, assignors to American Chemical Paint Company, Ambler, Pa. Coating ferriferous metals and zinciferous metals. 2,494,908, Jan. 17.
Spruance, Frank P., Jr., Ambler, and J. H. Thirsk, Wyncote, assignors to American Chemical Paint Company, Ambler, Pa. Coating copper, brass, terneplate, magnesium, zinciferous and ferriferous metals. 2,494,909, Jan. 17.
Spruance, Frank P., Jr., assignor to American Chemical Paint Company, Ambler, Pa. Method of and composition for coating aluminum. 2,494,910, Jan. 17.
Sprules, Francis J., Arlington, N. J., and Donald Price, New York, N. Y., assignors to Nopco Chemical Company, Harrison, N. J. Production of fatty esters. 2,494,366; Jan. 10.
Sprung, Joseph A.: *See*—
Schmidt, Willy A., and Sprung.
Sprung, Joseph A., and W. A. Schmidt, Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y. Aromatic sulfonhydrazides. 2,513,826, July 4.
Sprung, Murray M., Scotia, N. Y., assignor to General Electric Company. Making insulated electrical conductors. 2,531,169, Nov. 21.
Spry, Earl M., Plymouth, Pa. Auger drill. 2,504,601, Apr. 18.
Spugnardi, Nicholas: *See*—
Mulhern, Laurence H., and Spugnardi.

Spunberg, Nathan B., New York, N. Y. Toy bridge. 2,507,354, May 9.
Spurck, Richard F., Bloomington, Minn. Fractional horsepower motor and components thereof. 2,505,691, Apr. 25.
Spurlin, Harold M.: *See*—
Klug, Eugene D., and Spurlin.
Spurlin, Harold M., Marshallton, assignor to Hercules Powder Company, Wilmington, Del. Condensation of formaldehyde with ketones and nitroparaffins. 2,510,914, June 6.
Spurlin, Harold M., Marshallton, assignor to Hercules Powder Company, Wilmington, Del. Hydrogenated condensate of 10-hendecenoic acid and maleic anhydride and esters thereof. 2,510,915, June 6.
Spurlin, Harold M., Marshallton, assignor to Hercules Powder Company, Wilmington, Del. Resin acid nitrile. 2,511,603, June 13.
Spurlin, William G., Dearborn, assignor to Harry Ferguson, Inc., Detroit, Mich. Mower attachment for tractors. 2,502,805, Apr. 4.
Square Manufacturing Company, assignee: *See*—
Arnett, Leslie.
Square D Company, assignee: *See*—
Allen, Wallace T.
Angst, Walter.
Angst, Walter, and Andresen.
Carbonara, Victor E., and Andresen.
Jackson, John G., and Kingdon.
Schaefer, Carl A.
Stanback, Harris I.
Stanback, Harris I., and Anger.
Van Valkenburg, Hermon L.
Squibb, E. R., & Sons, assignee: *See*—
Dolliver, Morris A. and Glaser.
Donovick, Richard, Koerber, and Rake.
Erhard, William.
Hulsmann, Johannes D.
Langlykke, Asger F., and Perlman.
Lott, William A., Berstein, and Dolliver.
Lott, William A., and Losee.
Wintersteiner, Oskar.
Wintersteiner, Oskar, and Fried.
Squiers, John C.: *See*—
Schmidt, Howard F., Gerlach, and Squiers.
Squire, Elisha B., Gridley, Calif. Vegetable comminutor and seed separator. 2,503,852, Apr. 11.
Squires, Alan T. B. P., Allenton, assignor to Rolls-Royce Ltd., Derby, England. Jointing compounds and the production thereof. 2,523,730, Sept. 26.
Squires, Alan T. B. P., Allenton, assignor to Rolls-Royce Limited, Derby, England. Preparing a jointing composition. 2,523,731, Sept. 26.
Squires, Alan T. B. P., Allenton, assignor to Rolls-Royce Limited, Derby, England. Composition of matter and its preparation. 2,523,732, Sept. 26.
Squires, Alan T. B. P., Mickleover, Derby, assignor to Rolls-Royce Limited, Derby, England. Composition of matter and its preparation. 2,523,729, Sept. 26.
Squires, Walter, Jr., Westfield, N. J., assignor to Standard Oil Development Company. Apparatus for the conversion of energy in a flowing stream of fluids. 2,529,317, Nov. 7.
Squires, William P., assignor of five per cent to J. O. Gibson and five per cent to W. De Loache, Moultrie, Ga. Filling-fork grid. 2,498,610, Feb. 21.
Sreb, Jules H.: *See*—
Dell, Albert H., and Sreb.
Staaf, Harry R., Duluth, Minn. Magnetically actuated toy. 2,500,475, Mar. 14.
Staaff, Per Hilding, Alsten, assignor to Aktiebolaget Separator, Stockholm, Sweden. Continuous production of butter from sour cream. 2,526,292, Oct. 17.
Staal, Cornelis J. H. A., and H. van de Weg, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Dual range frequency-modulated radio altimeter. 2,505,692, Apr. 25.
Staat, Aaron A., Covington, Ky. Automatic undercutting and grooving tool. 2,522,315, Sept. 12.
Staats, Franklin E., Keithsburg, Ill. Hydraulic pump and motor. 2,518,830, Aug. 15.
Staats, Henry N.: *See*—
De Forest, Taber and Staats.
Staats, Henry P., Charleston, S. C. Automatic burden release for cargo parachutes. 2,517,361, Aug. 1.
Staats, Philip L.: *See*—
Sproull, Reavis C., and Staats.
Stabelan Chemical Company, assignee: *See*—
Chaban, Charles J.
Stacey, Arnold, Jasper, Ark. Screw-operated pivoted-jaw bolt holder. 2,519,157, Aug. 15.
Stacey, Ernest W.: *See*—
Naugler, Walter E., and Stacey.
Stacey, Ernest W., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Sole fitting machine. 2,498,771, Feb. 28.
Stacey, Ernest W., and F. W. Reinhold, Beverly, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Ammunition feeder. 2,494,728, Jan. 17.
Stacey, Ernest W., Beverly, and A. D. Willhauck, Stoneham, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Charger for automatic guns. 2,529,822, Nov. 14.
Stacey, Hugh J., Willoughby, and H. H. Schmiel, assignors to Hydraulic Equipment Company, Cleveland, Ohio. Hydraulic control valve. 2,509,257, May 30.
Stacey, Joseph M., Boston, Mass. Tube socket with terminal board skirt. 2,531,085, Nov. 21.
Stacey, Richard C., Newark, N. J., assignor, by mesne assignments, to National Dairy Research Laboratories, Inc., New York, N. Y. Device for use in loading and unloading freight cars. 2,502,181, Mar. 28.
Stacey, Ted R., and R. H. Lesner, Chicago, Ill., assignors, by mesne assignments, to Totebrush, Inc. Folding toothbrush and container therefor. 2,503,924, Apr. 11.
Stacey, Ted R., and R. H. Lesner, assignors, by mesne assignments, to Totebrush, Inc., Chicago, Ill. Folding toothbrush. 2,523,073, Sept. 19.
Stachowiak, William E., and L. L. Humble, Los Angeles, Calif. Tool reciprocating movement. 2,502,761, Apr. 4.
Stack, John D., Van Nuys, assignor to Twentieth Century-Fox Film Corporation, Los Angeles, Calif. Electric counter. 2,527,661, Oct. 31.
Stack, Vernon T., Walkertown, N. C. Automatic yarn tension control mechanism for knitting machines. 2,516,535, July 25.
Stackpole Carbon Company, assignee: *See*—
Dressel, Henry M.
Shobert, Erle L., II.
Stackpole, Fred J., assignee: *See*—
Jensen, James A.
Stacy, Gardner W.: *See*—
Lisk, George F., and Stacy.
Stacy, Leland J.: *See*—
Singer, Fred J., and Stacy.
Stacy, Luther, and R. E. Holbrook, Cromona, Ky.; said Stacy assignor to said Holbrook. Coin-controlled easy chair. 2,517,048, Aug. 1.
Stacy, Thomas F., assignor to The French Oil Mill Machinery Company, Piqua, Ohio. Apparatus for pressing records. 2,508,301, May 16.
Stade, Bertil, Elmwood Park, assignor to Wittek Manufacturing Co., Chicago, Ill. Hose clamp. 2,502,223, Apr. 4.
Stade, Roy R.: *See*—
Andresen, Henry A., and Stade.
Stadelman, Rudolph J., Minneapolis, Minn. Seat attachment for baby strollers. 2,499,007, Feb. 28.
Stadelmann, Fritz, Valley Stream, assignor to Intertype Corporation, Brooklyn, N. Y. Typographical machine having holding means for character viewing. 2,504,745, Apr. 18.
Stader, Florence M., Plymouth, Mich. Display device having a loose-leaf binder for suspending charts. 2,504,355, Apr. 18.
Stader, William, Perkasie, Pa. Hanger support. 2,500,881, Mar. 14.
Stadler, Albert: *See*—
Scharbau, Kurt A., and Stadler.
Stadler, Albert, assignor to Eclipse Fuel Engineering Co., Rockford, Ill. Flame retaining gaseous fuel burner. 2,497,476, Feb. 14.
Stadler, Albert, assignor to Eclipse Fuel Engineering Co., Rockford, Ill. Radiant cell gas burner. 2,511,380, June 13.
Stadler, Albert, assignor to Eclipse Fuel Engineering Co., Rockford, Ill. Gaseous fuel burner, including flame retainer. 2,525,432, Oct. 10.
Stadler, Alois E. K., New York, N. Y. Selective, continuous spectrum, spectral polarizing color device. 2,527,593, Oct. 31.
Stadler, John, Montreal, Quebec, Canada. Liquid-extracting press for drying fibrous materials. 2,510,764, June 6.
Stadtmiller, John, New York, N. Y. Advertising display device with intermittently rotated neon signs. 2,526,514, Oct. 17.
Stadum, Clarence B.: *See*—
Parsons, John R., and Stadum.
Stadum, Clarence B., Edgewood, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Resistance welding electronic control circuit. 2,501,358, Mar. 21.
Staehle, Henry C., assignor to Eastman Kodak Company, Rochester, N. Y. Photosensitive coating containing rubber latex. 2,533,530, Dec. 12.
Staff, Aaron S., New York, N. Y., assignor to Texagon Mills Inc., Ridgefield, N. J. Knitting machine. 2,534,184, Dec. 12.
Staffelbach, James J.: *See*—
McGinnis, Howard E., and Staffelbach.
Stafford, Charles E., United States Army, Mira Loma, Calif. Apparatus for turning containers. 2,514,680, July 11.
Stafford, Earl, North Reading, and H. N. Lee, Melrose, assignors to Arthur D. Little, Inc., Cambridge, Mass. Filtering material. 2,507,827, May 16.
Stafford, Stephen M., Washington, D. C. Hob. 2,498,721, Feb. 28.
Stafford, William L., Somerville, and E. R. Powell, North Plainfield, N. J., assignors to Johns-Manville Corporation, New York, N. Y. Perlite expanding apparatus. 2,521,190, Sept. 5.
Stageberg, Sterling O., assignor to Sterling Engineers, Inc., Minneapolis, Minn. Apparatus for cleaning textiles. 2,522,806, Sept. 19.

Stagg, Max, Poughkeepsie, N. Y. Combination raincoat. 2,513,065, June 27.
Stagner, Hamilton R., Cleveland, Ohio. Spraying device. 2,531,650, Nov. 28.
Stahl, Edward T., Santa Ana, Calif. Gyroscopic toy. 2,513,066, June 27.
Stahl, Elmer R.: *See*—
Elvin, William J., and Stahl.
Stahl, John C., and F. K. Shelton, Boulder City, Nev. Production of a cobalt salt from arseniferous ores. 2,526,707, Oct. 24.
Stahl, Rodolphe, Detroit, Mich., assignor to Ciro Cameras, Inc., Delaware, Ohio. Focusing mechanism for twin lens reflex cameras. 2,495,355, Jan. 24.
Stahl, William D., Kenilworth, and F. V. Collins, Des Plaines, assignors to W. F. Stahl, Kenilworth, Ill. Glow lamp combination. 2,525,624, Oct. 10.
Stahl, William F., assignee: *See*—
Collins, Fred V.
Ryszkowski, Stanley.
Stahl, William D., and Collins.
Stahlin, Harold, Portland, Oreg. Spirit level. 2,506,115, May 2.
Stahly, Eldon E., assignor to Koppers Company, Inc., Pittsburgh, Pa. Dicyclopentadiene dithiocyanate. 2,501,697, Mar. 28.
Stahly, Eldon E., assignor to Koppers Company, Inc., Pittsburgh, Pa. Dithiocyanates. 2,530,408, Nov. 21.
Stahly, Eldon E., and B. B. Corson, assignors to Koppers Company, Inc., Pittsburgh, Pa. Process. 2,524,848, Oct. 10.
Stain, Charlie, Jr., assignee: *See*—
Stain, Lillian.
Stain, Lillian, assignor of one-eighth to M. O. Stain and one-eighth to C. Stain, Jr., San Antonio, Tex. Slip and blouse ensemble. 2,531,994, Nov. 28.
Stain, Mae O., assignee: *See*—
Stain, Lillian.
Stainback, Raymond F., Chapel Hill, N. C. Towing dynamometer. 2,503,304, Apr. 11.
Stainless Engineers, assignee: *See*—
Guzewicz, Henry J.
Stair, Ray L., San Fernando, Calif. Rolling ball and track toy. 2,532,521, Dec. 5.
Stake, John A., Akron, Ohio, assignor to The Quaker Oats Company, Chicago, Ill. Apparatus for detecting light-weight packages and articles. 2,521,876, Sept. 12.
Stalder, Fritz, Zurich, Switzerland. Cloth feed for sewing machines. 2,522,587, Sept. 19.
Staley, A. E., Manufacturing Company, assignee: *See*—
Hansen, Donald W.
Langlois, David P., and Wolff.
Liggett, Robert W., and Mussulman.
Parsons, Glenn W.
Smith, Clifford E.
Trempel, Larry G., and Frink.
Wolff, Hans, and Moyer.
Staley, Joseph H., Columbus, Ind. Variable contour cam. 2,517,142, Aug. 1.
Staley Milling Company, assignee: *See*—
Johnson, Maurice D. S.
Staley, Ralph C., Los Angeles, Calif. Closure lock. 2,507,941, May 16.
Staley, Ronald W., Pittsfield, Mass., assignor to General Electric Company. Curing cement-type cold molding compositions. 2,496,895, Feb. 7.
Stalford, Frederick D., Walters, Okla. Ice creeper. 2,531,707, Nov. 28.
Stalker, Edward A., Bay City, Mich. Rotary wing aircraft. 2,493,041, Jan. 3.
Stalker, Edward A., Bay City, Mich. Direct lift aircraft. 2,493,042, Jan. 3.
Stalker, Edward A., Bay City, Mich. Tailless aircraft with stabilizing wing. 2,496,565, Feb. 7.
Stalker, Edward A., Bay City, Mich. Blower drive for boundary layer control systems on aircraft. 2,498,140, Feb. 21.
Stalker, Edward A., Bay City, Mich. Gas turbine engine with controllable auxiliary jet. 2,503,006, Apr. 4.
Stalker, Edward A., Bay City, Mich. Jet-propelled aircraft with boundary layer control. 2,509,890, May 30.
Stalker, Edward A., Bay City, Mich. Direct lift aircraft. 2,514,459, July 11.
Stalker, Edward A., Bay City, Mich. Jet propulsive means for aircraft employing boundary layer air or other air with gas turbine power plants. 2,516,489, July 25.
Stalker, Edward A., Bay City, Mich. Axial-flow compressor. 2,527,971, Oct. 31.
Stalker, Herbert J., Essexville, assignor of one-half to Martin C. Klann, Bay City, Mich. Snap hook structure. 2,504,356, Apr. 18.
Stallard, Melvin B., assignor of fifty per cent to F. R. Hardesty, Miles City, Mont. Transport for power units. 2,522,068, Sept 12.
Stallings, Raymond P., Dallas, Tex. Fish line jerking device. 2,523,927, Sept. 26.
Stalloch, John R., Baltimore, Md., and M. F. Wilkinson, Utica, N. Y. Sanitary strip cup. 2,518,831, Aug. 15.
Stamatoff, Gelu S.: *See*—
Burk, Robert E., and Stamatoff.
Stambaugh, Henry J., Washington, D. C. Launching or towing device. 2,497,916, Feb. 21.
Stamberg, Olof E.: *See*—
Stoelting, Carl R., Stamberg, and Vilter.
Stamler, William R., Bagdad, Ky., assignor to The Brown-Fayro Company, Johnstown, Pa. Car coupler hitching-pin retaining means. 2,509,459, May 30.
Stamm, John C.: *See*—
Weitkamp, Alfred W., and Stamm.
Stamm, Robert F., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Diffraction grating ruling engine. 2,527,338, Oct. 24.
Stammers, Douglas W., Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Sesquicyanines. 2,519,797, Aug. 22.
Stamp, Burnie A., West Orange, N. J. Pivoted arm jar cap wrench. 2,523,544, Sept. 26.
Stamper, Hamilton A., Los Angeles, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind. Stylus holder. 2,530,739, Nov. 21.
Stamper, Willson Y., Newark, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Electric safety lamp. 2,535,819, Dec. 26.
Stanback, Harris I., Milwaukee, Wis., assignor to Square D Company, Detroit, Mich. Overheating safety system for electric discharge tubes. 2,520,476, Aug. 29.
Stanback, Harris I., Milwaukee, and E. G. Anger, Wauwatosa, Wis., assignors to Square D Company, Detroit, Mich. Lead-trail control system for electric discharge tubes. 2,520,477, Aug. 29.
Stanback, Harris I., Milwaukee, and E. G. Anger, Wauwatosa, Wis., assignors to Square D Company, Detroit, Mich. Firing system for electric discharge tubes. 2,520,478, Aug. 29.
Stanback, Harris I., Milwaukee, and E. G. Anger, Wauwatosa, Wis., assignors to Square D Company, Detroit, Mich. Electrical timing control. 2,534,385, Dec. 19.
Stancal Asphalt & Bitumuls Company, assignee: *See*—
Buckley, Walter D., McCoy, and Thompson.
McCoy, Paul E.
Stanchfield, Harold M., Foreston, Minn. Poultry nest. 2,515,063, July 11.
Stancliff, Clifton L., Bakersfield, Calif. Mechanical silent tappet. 2,493,783; Jan. 10.
Stancliff, Clifton L., Bakersfield, Calif. Mechanical silent tappet. 2,532,346, Dec. 5.
Standard Brands Incorporated, assignee: *See*—
Barch, William E.
Baxter, Thomas R.
Johnston, William R., and Foote.
Johnston, William R., and Kirby.
Standard Gage Company, Inc., assignee: *See*—
Boat, Earl M.
Standard Cap and Seal Corporation, assignee: *See*—
Krebs, Charles H.
Reimers, Theodor M.
Zimmermann, Willy E., and Weidanz.
Standard Car Truck Company, assignee: *See*—
Leese, Charles P.
Standard Coil Products Co., Inc., assignee: *See*—
Thias, Edwin P., and White.
Standard Conveyor Company, assignee: *See*—
Eggleston, Ira S.
Standard Dayton Corporation, assignee: *See*—
Noodleman, Samuel.
Standard Electric Time Company, The, assignee: *See*—
Maxwell, Weyman E.
McIlroy, Malcolm.
Standard Electronic Research Corporation, assignee: *See*—
Fua, Frederic, and Woods.
Vossberg, Carl A.
Standard Forgings Corporation, assignee: *See*—
Cornell, Dana R.
Standard Hosiery Mills, assignee: *See*—
Haddad, Salomao J.
Standard Oil Company, assignee: *See*—
Adams, Chester E., and Johnson.
Bransky, David W., and Lemmon.
Brown, Bruce K.
Buehler, Frank A.
Carpenter, Morris T.
Evering, Bernard L., and Peters.
Fields, Paul R.
Fragen, Nathan.
Frazier, David.
Giachetto, John J., Snuggs, and Bock.
Gunness, Robert C.
Harban, Arthur A., and Johnson.
Harrison, Irl, and Voight.
Heard, Llewellyn.
Hengstebeck, Robert J.
Hertwig, Waldemar R., and Bushnell.
Hughes, Everett C., and Darling.
Johnson, Carl E., and Adams.
Johnson, Carl E., and Harban.
Johnson, Carl E., and Waugh.
Johnson, Everett A.
Lien, Arthur P.
Lien, Arthur P., and Evering.
Lien, Arthur P., and McCaulay.
McCaulay, David A., and Lien.
MacLaren, Frederick H., and Anderson.
Marschner, Robert F.
Mattano, Leonard A., and Mixon.
Mixon, Lawson W., and Roberts.

Standard Oil Company, assignee: *See*—Continued.
Pitzer, Edgar C.
Proell, Wayne A.
Proell, Wayne A., and Hill.
Proell, Wayne A., and Shoemaker.
Roberts, Edward N., and Mixon.
Shoemaker, Bernard H., and Evering.
Starrett, James W.
Voorhees, Vanderveer.
Watson, Roger W., and Mixon.
Weitkamp, Alfred W., and Stamm.
Wheeler, Harry K., Jr.
Whitacre, Charles H.
White, Philip C.

Standard Oil Company, The, assignee: *See*—
Atkinson, Ralph G.
Baadte, John J.
Bartleson, John D.
Darling, Samuel M.
Hughes, Everett C., and Bartleson.
Hughes, Everett C., and Campbell.
Schellentrager, William S., Bale, and Briggs.
Smith, Joseph B.
Tom, Theodore B.

Standard Oil Company (Indiana), assignee: *See*—
Kirkbride, Chalmer G.

Standard Oil Development Company, assignee: *See*—
Abraham, Albert, Jr.
Antonio, Adolph L., and Waddell.
Arundale, Erving.
Baer, Martin S.
Baldwin, Francis P.
Banes, Fred W., and Arundale.
Banes, Fred W., and Frolich.
Banes, Fred W., and Swaney.
Bannon, John H.
Bannon, John H., and Lane.
Barr, Frank T.
Bartlett, Jeffrey H.
Baumann, George P., and Rhys, Jr.
Beach, Leland K.
Beach, Leland K., and Morrell.
Beach, Leland K., Nelson, and Stewart.
Benoliel, Robert W., and Flanagan.
Beerbower, Alan, and Zimmer.
Bilisoly, Julius P.
Black, James F.
Blanding, Forrest H.
Blood, Robert H., and Sewell.
Blumer, Adam F., and Verret.
Bragg, Benjamin L., III.
Bruce, William A.
Buchan, Rudolph C.
Buchmann, Fred J.
Calfee, John D., and Thomas.
Calkins, Austin E., Darley, and Beerbower.
Camp, Elza Q.
Campbell, Donald L., and Graham.
Carlson, Carl S.
Carlson, Carl S., Merrington and Biribauer.
Carlson, Carl S., and Oakley.
Cohen, Charles A.
Cohen, Charles A., and Muessig.
Cohen, Karl, and McArdle.
Connolly, Gerald C.
Cooper, Lyle M.
Copeland, Ernest.
Corner, Eugene S., and Kerby.
Corner, Eugene S., McGee, and Lynch.
Craft, William S.
Crawford, Hulon L.
Crookston, Robert R.
Cyphers, Elmer B.
Cyphers, Elmer B., and Osborne, Jr.
Dahlberg, Robert S., Jr.
Dart, Jack C.
Davis, Garland H. B., and Zimmer.
Dean, Raymond M., and Cashman.
Dornte, Ralph W., and McKay, Jr.
Duassat, Russell L., and Moak.
Dudenbostel, Bernard F., Jr.
Dutson, Keith, J. F.
Eby, Lawrence T.
Egberts, Raymond W., and Hooton.
Elmore, Norman M., and Young.
Fasce, Egi V.
Ferguson, Frank A.
Fiero, George W., Seeland, and Batt.
Floyd, Clyde M.
Frolich, Per K.
Frolich, Per K., Vanderbilt, and Swaney.
Fuqua, Mack C.
Garber, John D.
Garber, John D., Sparks, and Young.
Garraway, George H., and Myers.
Garrett, Bowman S.
Gessler, Albert M.
Gillespie, Bruce G.
Gilliland, Edwin R.
Giraitis, Albert P., and Whittet.
Graham, Hugh S.
Griffin, Lindsay I.
Hall, Ike D.
Hamminger, Charles E.

Standard Oil Development Company, assignee: *See*—Continued.
Hankins, Elinor M.
Hardy, Paul E., and Sparks.
Harlan, John L.
Harney, William S., Jr., and Schneider.
Hawes, Truman P., and Giraitis.
Hawley, Roger S.
Heigl, John J., Black, and Dudenbostel.
Heinrich, Raymond L., and Schutze.
Hemminger, Charles E.
Hibshman, Henry J., and Lafferty.
Holder, Clinton H.
Howard, Frank A., and Green.
Howlett, Richard M., and Newberg.
Huber, Theodore A.
Huber, Theodore A., and Cannon.
Hudson, Boyd E., Jr.
Jahnig, Charles E.
Jahnig, Charles E., and Martin.
Jasion, Leo Z., and Eby.
Johnson, Frank B.
Jones, Allen R.
Jones, Minor C. K.
Kean, Clare H.
Kearby, Kenneth K.
Kimberlin, Charles N., Jr.
Kimberlin, Charles N., Jr., and Pierce.
Kirshenbaum, Isidor.
Krebs, Robert W.
Laughlin, Kenneth C.
Leary, Robert F., and Garber.
Leas, William J., and Rose.
Lewis, Warren K.
Lewis, Warren K., and Gilliland.
Lieber, Eugene.
Lieber, Eugene, and Cashman.
Lieber, Eugene, and Smyers.
Lien, Arthur P., and Evering.
Lien, Arthur P., Evering, and Shoemaker.
Lippincott, Samuel B., and Mikeska.
Long, John D.
Long, Robert W.
Mack, Charles.
MacKinnon, Charles W.
Martin, John R.
Martin, Homer Z.
Mason, David M.
Mason, Ralph B.
Matheson, George L.
Mattox, William J.
McAteer, James H.
McAteer, James H., Morrell, Small, and Yowell.
McClennan, John K., and Strickland.
McClintock, John H., and Priestman.
McCulley, John H.
McDermott, John P.
McNab, John G., and Watkins, Jr.
McNulty, George M., and Cyphers.
Meinert, Richard N., and Vesterdal.
Mikeska, Louis A.
Mikeska, Louis A., and Cyphers.
Mikeska, Louis A., and Kittleson.
Mikeska, Louis A., and Lippincott.
Miller, Pharis, and Lieber.
Mistretta, Vincent F., and Schneider.
Morrell, Charles E., and Beach.
Morrell, Charles E., Scheeline, Carlson, and Heineman, Jr.
Morrell, Charles E., and Welch.
Morway, Arnold J.
Morway, Arnold J., and Beerbower.
Morway, Arnold J., and Kolfenbach.
Morway, Arnold J., and O'Halloran.
Morway, Arnold J., and Young.
Morway, Arnold J., and Zimmer.
Mosesman, Max A.
Mottern, Henry O.
Mottern, Henry O., and Mistretta.
Munday, John C.
Murphree, Eger V.
Nelson, Karl J.
Nelson, Karl J., and Martin.
Nicholson, Edward W. S.
Nicolai, Lloyd A., and Daroux.
Nunn, Leslie G., Jr.
O'Halloran, Rosemary.
Ogorzaly, Henry J.
Osborn, Arthur.
Owen, John J.
Parker, Paul T.
Patterson, John A.
Paulsen, Henry C.
Peet, Nick P.
Perry, Stephen F.
Pierce, Jerry A.
Rehner, John, Jr., and Flory.
Reistle, Carl E., Jr.
Richardson, Roger W., and Kimberlin, Jr.
Robertson, Ray.
Robey, Richard F., and Gallo.
Robinson, George W.
Robrecht, Charles J., and Smith.
Roethell, Bruno E.

Standard Oil Development Company, assignee: *See*—Continued.
Rogers, Dilworth T.
Rogers, Dilworth T., and McNab.
Rollman, Walter F.
Rolshausen, Ferdinand W., and Swain.
Rose, Walter D.
Rosen, Raphael, and Arundale.
Rex, Walter A.
Rudel, Harry W., and Boyle.
Rudel, Harry W., and Morway.
Rupp, Walter H.
Rupp, Walter H., and Packie.
Russell, Francis R.
Russell, Robert P.
Saylor, John S., Jr.
Scharmann, Walter G.
Scheeline, Harold W.
Scheeline, Harold W., Etherington, and Morgan.
Schexnailder, Robert E., Jr.
Schiller, James C.
Schneider, Helmuth, G., Van Glider, and Peters.
Schneider, Helmuth G., and Young.
Schutze, Henry G.
Serniuk, George E.
Serniuk, George E., and Vanderbilt.
Sewell, Benjamin W.
Shaffer, Sherman S., and Armendt.
Shmidl, Albert J.
Simpson, George K., and Smith.
Skarstrom, Charles W.
Skooglund, Arthur C.
Small, Augustus B., and Thomas.
Smith, Lloyd B., and Krebs.
Smith, Warren M.
Smyers, William H., and Cashman.
Smyers, William H., and Young.
Sparks, William J., and Garber.
Sproule, Lorne W., and Pattenden.
Squires, Walter, Jr.
Starr, Charles E., Jr., and Ratliff.
Steele, Clellie T., and Epps, Jr.
Stone, Albert L.
Strickland, Barney R., and Lewis.
Sumerford, Simpson D.
Swaney, Miller W.
Swaney, Miller W., and Gleason.
Swaney, Miller W., and Jasion.
Sweeney, William J.
Tegge, Bruce R.
Thompson, Robert R.
True, Martin E.
Van Berg, Charles F.
Vanderbilt, Byron M., and Bascom.
Vanderbilt, Byron M., and Thorn.
Van Gilder, Carll F.
Van Gilder, Carll, and Peters, Jr.
Vesterdal, Hans G., and Sykes.
Vickers, Herbert H.
Viles, Prentiss S.
Voorhies, Alexis, Jr.
Wadley, Edward F.
Wadley, Edward Frank.
Walker, James L.
Wallace, Joseph S.
Walsh, David C., Jr., and Schutze.
Wasson, Jones I.
Watts, Rhea N.
Webber, William O.
Welty, Albert B., Jr.
Wilde, Henry D.
Williams, Philip S.
Wilson, Robert A.
Wilson, Samuel W.
Winston, Judith, and Weinstein.
Wormith, Donald J.
Worsham, Charles H., and Holder.
Young, David W.
Young, David W., and Calfee.
Young, David W., and Hineline.
Young, David W., and Rocca.
Young, David W., and Smyers.
Young, David W., and Sparks.
Yowell, Howard L., and Mikeska.
Zimmer, John C., and Bartlett.
Zimmer, John C., and Morway.

Standard Plastics Company, assignee: *See*—
Cranston, William H.

Standard Pressed Steel Co., assignee: *See*—
Gade, Harald F.
Hallowell, Howard T., and Villo.
Kull, Francis R.

Standard Radial Blast Corporation, assignee: *See*—
Dreisbach, Charles A.

Standard Railway Equipment Manufacturing Company, assignee: *See*—
Arnold, Nicholas H.
Bronson, Sabin C.
Cisco, Edward S.
Nystrom, Karl T.
Schlesinger, Edgar E.
Sisco, Edward S.
Sisson, Vinton E.
Swann, James S.

Standard Railway Equipment Manufacturing Company, assignee: *See*—Continued.
Tangerman, William J.
Vaughn, John E.
West, Victor E.
Zeidler, Kurt E.

Standard Refrigeration Company, Inc., assignee: *See*—
Goldberg, Herman M.

Standard Register Corporation, The, assignee: *See*—
Metzner, Albert W.

Standard Steel Spring Company, assignee: *See*—
Hammond, Milton B., and Bowman.
Rowland, Frederick T., and Hammond.
Rowland, Frederick T., and Perdue.

Standard Steel Works, assignee: *See*—
Cellwork, William E.

Standard Stoker Company, Inc., The, assignee: *See*—
Rhodes, Herbert C.

Standard Stoker Company, Incorporated, The, assignee: *See*—
Brunner, Eugene E.
Klussmann, Fritz.
Martin, Eugene, and MacKenzie.
Tenney, Dwight.

Standard Telephones and Cables Limited, assignee: *See*—
Ivall, Thomas E.
Smyth, Charles N.

Standard-Thomson Corporation, assignee: *See*—
Early, Paul F.
Woods, John E.
Woods, John E., and Martel.

Standard-Vacuum Oil Company, assignee: *See*—
Short, Joseph V.

Standen, John H.: *See*—
Stewart, William D., and Standen.

Standen, John H., Yonkers, assignor to The B. F. Goodrich Company, New York, N. Y. Bactericidal and bacteriostatic preparations comprising 2,3-diaryl indoles. 2,510,428, June 6.

Standish, John F., Waldoboro, Maine, assignor to United Shoe Machinery Corporation, Flemington, N. J. Heel attaching machine. 2,503,520, Apr. 11.

Stanfield, Dow F., and E. Lopez, Jr., Los Angeles, Calif. Grip for handles of poles, clubs, and like articles. 2,523,637, Sept. 26.

Stanfield, Laurence M.: *See*—
Abos, Ralph H., Stanfield, and Myers.

Stanfield, Stephen O., Santa Ana, Calif. Visible precision bearing testing tool. 2,502,601, Apr. 4.

Stanford, Jerome S., Springfield, and E. Perry, Indian Orchard, Mass., assignors to Monsanto Chemical Company, St. Louis, Mo. Modified phenolic resin coating compositions. 2,516,351, July 25.

Stang, Louis G., Jr., Chicago, Ill., assignor to the United States of America as represented by the United States Atomic Energy Commission. Precipitation process and apparatus therefor. 2,533,149, Dec. 5.

Stang, Robert A., Asbury Park, and J. L. Rector, Belmar, N. J. Wall switch operator. 2,515,932, July 18.

Stange, Alexander H., Flint, Mich. Soap dispenser for shaving brushes. 2,496,181, Jan. 31.

Stange, Alexander H., Flint, Mich. Combined comb and nail file. 2,502,899, Apr. 4.

Stange, Wm. J., Co., assignee: *See*—
Ansel, Harry R.
Fonyo, Aladar.

Stanier, Andrew, Passaic, assignor to Eureka Television and Tube Corporation, Hawthorne, N. J. Cathode for thermionic valves. 2,509,702, May 30.

Stanin, Theodore E.: *See*—
Coover, Harry W., Jr., Stanin, and Dickey.
Dickey, Joseph B., and Stanin.

Stanitz, Jacques, Warren, assignor to Mullins Manufacturing Corporation, Salem, Ohio. Pressed metal faucet manufacture and construction. 2,510,429, June 6.

Stanitz, Jacques, Warren, assignor to Mullins Manufacturing Corporation, Salem, Ohio. Wall cabinet hanger bar. 2,521,134, Sept. 5.

Stanius, Godfrey, Chicago, Ill. Flexure testing apparatus. 2,528,918, Nov. 7.

Stanland, Jacques K., Denver, Colo. Portable hoist. 2,521,191, Sept. 5.

Stanley, Alexander J., North Brunswick Township, Middlesex County, N. J., assignor to Industrial Tape Corporation. Tab strip feed and applying device. 2,505,802, May 2.

Stanley, Alfred H.: *See*—
Gilbert, Stanley A., and Stanley.

Stanley, Chester D., assignor to The Wil-Stan Products Company, Akron, Ohio. Flatiron holder. 2,493,424, Jan. 3.

Stanley, Cletius D., Wyandotte, Mich., assignor to Sharples Chemicals Inc. Coated tetra-alkyl thiuram disulfides. 2,528,186, Oct. 31.

Stanley, Clyde P., Phillips, Tex., assignor to Phillips Petroleum Company. Control of distillation columns. 2,504,464, Apr. 18.

Stanley, Donald C.: *See*—
Slamon, Florence K., and Stanley.

Stanley, Edmund: *See*—
Olpin, Henry C., and Stanley.

Stanley, Edmund C., assignor to Radio Heaters Limited, Wokingham, England. Radio-frequency electrical heating equipment. 2,514,101, July 4.

Stanley, Eugene, assignor to Blue Bell, Inc., Greensboro, N. C. Seam construction for garments. 2,515,321, July 18.

Stanley, Eugene, assignor to Blue Bell, Inc., Greensboro, N. C. Cuff construction for shirts. 2,515,322, July 18.

Stanley, Herbert M. : *See*—
Bramwyche, Peter L., Mudgan, and Stanley.
Elce, Alec, Stanley, and Tuerck.
Galitzenstein, Eugen G., Salt, Stanley, and Weir.

Stanley, James, Jr., New York, N. Y. Locking device. 2,514,523, July 11.

Stanley, Leonard A., Slatersville, R. I., assignor to The Kendall Company, Boston, Mass. Tufted dot fabric. 2,517,529, Aug. 1.

Stanley, Leopold G., Maplewood, N. J. Pocket wallet or letter case. 2,520,176, Aug. 29.

Stanley, Lester N. : *See*—
Von Glahn, William H., and Stanley.
Von Glahn, William H., Stanley, and Hand.
Von Glahn, William H., Stanley, and Parker.

Stanley, Malcolm N., Newton, Mass. Collapsible boat. 2,529,745, Nov. 14.

Stanley, Percy C., East Orange, N. J. Crucifix. 2,520,661, Aug. 29.

Stanley, Richard W., Drexel Hill, Pa., assignor to American Viscose Corporation, Wilmington, Del. Apparatus for spinning artificial filaments. 2,516,157, July 25.

Stanley, Richard W., Lakewood, Ohio, assignor to American Viscose Corporation, Wilmington, Del. Spinning artificial filaments. 2,532,465, Dec. 5.

Stanley, Seth F., Glen Ellyn, Ill. Lock guard. 2,531,865, Nov. 28.

Stanley Works, The, assignee : *See*—
Carroll, John D.
Doolittle, Howard C.

Stanley, Zina R., Monterey Park, assignor to Zinsco Electrical Products, Los Angeles, Calif. Electrical panel board switch. 2,530,548, Nov. 21.

Stanly, Albert L., Los Angeles assignor to Shell Development Company, San Francisco, Calif. Fuel injection system. 2,502,679. Apr. 4.

Stanolind Oil and Gas Company, assignee : *See*—
Beck, Robert W.
Fearon, Robert E.
Hagy, James D.
Menaul, Paul L.
Michael, Vesta F.
Murray, Wallace J.
Phinney, John A.
Phinney, John A., Page, and Ayton.
Reichl, Eric H.
Silverman, Daniel.
Safford, Robert V.
Steitz, Alfred, Jr.
Vincent, Renic P.
Walker, Scott W., and Latta.

Stanolind Pipe Line Company, assignee : *See*—
Cook, Fay V.

Stansbury, Inc., assignee : *See*—
Stansbury, John H.

Stansbury, John H., Wrightsville Beach, N. C., assignor to Stansbury, Inc., Baltimore, Md. Capping strawberries. 2,508,728, May 23.

Stansfield, Ernest E. : *See*—
Berlyn, Martin J. and Stansfield.

Stant Manufacturing Company, assignee : *See*—
Friend, Dawson, and Smith.
Smith, Lowell J.

Stanton, Austin N., Garland, Tex. Fishing pole holder. 2,517,937, Aug. 8.

Stanton, Austin N., Garland, Tex. Tuning fork. 2,529,430, Nov. 7.

Stanton, Austin N., Garland, assignor of fifty per cent to J. J. Fleet, San Antonio, Tex. Casing cutting. 2,535,964, Dec. 26.

Stanton Bros., Inc., assignee : *See*—
Stanton, Samuel J.

Stanton, George P., Worcester, Mass. Tray mounting for counter and chair use. 2,504,897, Apr. 18.

Stanton, George W., and C. E. Lowry, assignors to The Dow Chemical Company, Midland, Mich. Vinylidene chloride-butadiene-methyl methacrylate interpolymers. 2,524,023, Sept. 26.

Stanton, Henry, Dallas, Tex. Overshoe with lapping vamp and toe portions. 2,506,245, May 2.

Stanton, Howard B. : *See*—
Sage, Luther W., Stanton, and McClanahan.

Stanton, Leonard, Philadelphia, Pa., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Antihunting electronic motor drive apparatus. 2,528,017, Oct. 31.

Stanton, Russell S., Waban, Mass., assignor to the United States of America as represented by the Secretary of the Navy. Protecting circuit. 2,509,703, May 30.

Stanton, S. J., assignee : *See*—
Stanton, Samuel J.

Stanton, Samuel J., Chicago, Ill., assignor, by mesne assignments, to S. J. Stanton. Garment hanger. 2,499,536, Mar. 7.

Stanton, Samuel J., assignor, by mesne assignments, to Stanton Bros., Inc., Chicago, Ill. Garment hanger. 2,499,537, Mar. 7.

Stanton, Samuel J., assignor, by mesne assignments, to Stanton Bros., Inc., Chicago, Ill. Garment hanger. 2,499,538, Mar. 7.

Stanton, Thomas D., Cincinnati, Ohio. Pneumatic cotton picker nozzle. 2,499,693, Mar. 7.

Stanton, William A., New Brunswick, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Silver halide developers containing polyethylene glycols. 2,531,832, Nov. 28.

Staples, Crawford E., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Coded signaling apparatus. 2,496,607, Feb. 7.

Staples, Crawford E., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Lightout protection for railway signaling systems. 2,526,429, Oct. 17.

Staples, Dana R., Ridley Park, Pa., assignor to The Baldwin Locomotive Works. Control for engine generator units. 2,500,882, Mar. 14.

Staples, Otis E., Euclid, assignor to The Cleveland Hobbing Machine Company, Cleveland, Ohio. Manufacturing cutters. 2,530,549, Nov. 21.

Staples, Otis E., assignor to The Cleveland Hobbing Machine Company, Euclid, Ohio. Cutter. 2,530,550, Nov. 21.

Stapleton, Glenn D. : *See*—
Schild, Charles A., and Stapleton.

Stapley, Stephen G., Thorold, and W. Subart, Merritton, Ontario, Canada, assignors to E. D. Jones & Sons Company, Pittsfield, Mass. Pulping machine. 2,527,772, Oct. 31.

Stapley, Wayne C. : *See*—
Whitlow, Miles F., and Stapley.

Star-Kimble Electric Company, assignee : *See*—
Hallander, Elvin E.

Star Pin Company, The, assignee : *See*—
Peck, Irving H.

Star Sash Balance Corporation, assignee : *See*—
Haas, Glenn B.

Starbuck, John W., New York, N. Y. Gauge for shirt collars. 2,533,295, Dec. 12.

Stareck, Jesse E., Birmingham, Mich., assignor to United Chromium, Incorporated, New York, N. Y. Electrodepositing copper and baths therefor. 2,493,092, Jan. 3.

Stareck, Jesse E., Birmingham, Mich., assignor to United Chromium, Incorporated, New York, N. Y. Producing surface conversion coatings on zinc. 2,499,231, Feb. 28.

Stareck, Jesse E., Birmingham, Mich., assignor to United Chromium, Incorporated, New York, N. Y. Dip process for coloring cadmium. 2,524,577, Oct. 3.

Stareck, Jesse E., Birmingham, and F. Passal, Detroit, Mich., assignors to United Chromium, Incorporated, New York, N. Y. Plating zinc on aluminum. 2,511,952, June 20.

Sta-Rite Products, Incorporated, assignee : *See*—
Patterson, Glenn A.

Stark Brick Company, The, assignee : *See*—
Ramsay, William S.

Stark Bro's Nurseries and Orchards Company, assignee : *See*—
Lewis, Donald, and Monosmith.
Stark, Paul, Jr.

Stark, Charles B., Detroit, Mich. Rear seat windshield. 2,502,538, Apr. 4.

Stark, Donald A. : *See*—
Greer, Edward M., and Stark.

Stark, Donald A., Willoughby Township, Lake County, assignor to The Parker Appliance Company, Cleveland, Ohio. Hydraulic relief valve. 2,521,264, Sept. 5.

Stark, Elbie A., Gering, Nebr. Fishing rod handle. 2,526,293, Oct. 17.

Stark, Harold W., and R. A. Grant, Marinette, Wis. Pliers. 2,535,375, Dec. 26.

Stark, John B., Oakland, and E. D. Walter, Berkeley, Calif., assignors to the United States of America as represented by the Secretary of Agriculture. Isolation of usnic acid. 2,522,547, Sept. 19.

Stark, Lawrence M., Alexandria, Va. Range finder. 2,507,229, May 9.

Stark, Leonard T., Detroit, Mich. Grease mat for hydraulic hoists. 2,497,565, Feb. 14.

Stark, Monroe R., and G. S. Koester, Los Angeles, Calif. Toy rocket. 2,521,135, Sept. 5.

Stark, Paul, Jr., assignor to Stark Bro's Nurseries and Orchards Company, Louisiana, Mo. Plant propagation. 2,523,600, Sept. 26.

Stark, Walter M. : *See*—
Jones, Donald L., Stark, and Underwood.

Stark, William H., and L. Manna, Louisville, assignors to Joseph E. Seagram & Sons, Inc., Shively, Ky. Processing of wastes. 2,524,718, Oct. 3.

Starkey, Charles H., Minneapolis, Minn. Earring support for hearing aid tubes. 2,506,116, May 2.

Starkey, Frederick : *See*—
Bremner, John G. M., Starkey, and Dowden.

Starkey, Jerome, Campbell, Calif. Automobile driver's hand-signaling flag. 2,534,313, Dec. 19.

Starkey, Neal E., Schenectady, N. Y., assignor to General Electric Company. Rate of change and maximum limit device for regulating systems. 2,528,252, Oct. 31.

Starkey, William C., assignor to Fletcher Trust Company, trustee, Indianapolis, Ind. Overload torque release device. 2,510,667, June 6.

Starkey, William C., assignor to Fletcher Trust Company, trustee, Indianapolis, Ind. Torque limiting device. 2,533,973, Dec. 12.
Starkey, William C., deceased, Indianapolis, Ind.; Fletcher Trust Company, executor. Spring clutch device. 2,516,269, July 25.
Starkey, William C., Indianapolis, and H. L. McCormick, Carmel, assignors to Fletcher Trust Company, Indianapolis, Ind. Clutch spring. 2,521,670, Sept. 5.
Starline Inc., assignee: *See*—
Ferris, Robert G.
Starn, Roy E., Greenfield, Ohio. Life jacket. 2,535,874, Dec. 26.
Starnes, Lewis W., Birmingham, Ala. Connecting rod tool. 2,508,047, May 16.
Starnes, Tilmon B., Port Arthur, Tex. Windshield for plum bobs. 2,532,378, Dec. 5.
Starnes, William C.: *See*—
Stevens, Donald R., and Starnes.
Starp, John, Cleveland Heights, Ohio. Door knocker. 2,523,158, Sept. 19.
Starr, Alfred R., New York, N. Y. Radio control system. 2,500,212, Mar. 14.
Starr, Arthur T., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Electric high-frequency oscillation generator. 2,521,760, Sept. 12.
Starr, Charles E., Jr., Baton Rouge, La., and F. T. Ratliff, Appleton, Wis., assignors to Standard Oil Development Company. Stabilizing xylidene. 2,509,891, May 30.
Starr, Donald F., College Park, Md., dedicated to the free use of the People in the territory of the United States. Spraying. 2,497,101, Feb. 14.
Starr, Ellis E., Ridgeville, Ind. Farm machine for loading and unloading grain. 2,499,792, Mar. 7.
Starr, George, Somerville, assignor to The Lock Fast Company, Inc., Boston, Mass. Auxiliary collapsible seat. 2,521,265, Sept. 5.
Starr, James H., La Grange, Ill. Calculating table and the like. 2,523,453, Sept. 26.
Starr, John A., Riverdale, N. Y., assignor to M. W. Jenkins Sons, Inc., Cedar Grove, N. J. Bristle tufting machine. 2,531,481, Nov. 28.
Starr, John A., Riverdale, N. Y., assignor to M. W. Jenkins Sons, Inc., Cedar Grove, N. J. Making brushes. 2,531,482, Nov. 28.
Starr, John H., Mayville, Wis., assignor to John Deere Van Brunt Company. Power lift for grain drills. 2,520,345, Aug. 29.
Starr, Merle A., Belmont, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Sector scan circuit. 2,521,878, Sept. 12.
Starr, Merle A., Belmont, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Plan position indicator. 2,529,823, Nov. 14.
Starr, Ralph Wayne, Yuba City, Calif. Locking device for coupling semitrailers for draft vehicles. 2,515,574, July 18.
Starrett, James W., Crete, assignor to Standard Oil Company, Chicago, Ill. Flushing oil. 2,495,030, Jan. 17.
Starrett, L. S., Company, The, assignee: *See*—
Laube, Max.
Sisson, James G.
White, Frederick G.
Starts, Albert, Fort Lauderdale, Fla., assignor to Duncan Parking Meter Corporation. Valve control for crankcase compression engines. 2,495,784, Jan. 31.
Starz, Karl: *See*—
Vosseler, Max, Starz, and Wuerthner.
State Board of Agriculture, The, assignee: *See*—
Dexter, Stephen T.
State Line Service Incorporated, assignee: *See*—
Lewis, Robert B.
Staten, Fred W., and W. M. Haines, Jr., assignors to The Gates Rubber Company, Denver, Colo. Reclaiming mixed vulcanizates of natural and synthetic polymers. 2,522,069, Sept. 12.
Statham, Louis D., Beverly Hills, Calif., assignor to Curtiss-Wright Corporation. Strain measuring instrument. 2,530,184, Nov. 14.
Stator Corporation, assignee: *See*—
Whitney, William E.
Staude, Edwin G., assignor of one-half to O. B. Staude, Los Angeles, Calif. Manually controlled electric power assistor. 2,534,536, Dec. 19.
Staude, Edwin G., Minneapolis, Minn., assignor to The Sperry Corporation, New York, N. Y. Sheet fed offset printing machine. 2,502,806, Apr. 4.
Staude, Edwin G., Minneapolis, Minn. Pressure fluid power amplifier. 2,524,682, Oct. 3.
Staude, Edwin G., Minneapolis, Minn., assignor to The Sperry Corporation, New York, N. Y. Method and mechanism for folding paper boxes. 2,532,522, Dec. 5.
Staude, Olive B., assignee: *See*—
Staude, Edwin G.
Stauffer Chemical Company, assignee: *See*—
Arnold, Chester L.
Mohr, Albert C.
Ross, Earl T., and Wilde.
Schallis, Alvin.
Schallis, Alvin, and Hurley.
Wilde, Cecil B.
Stauffer, Earl C., Lancaster, Pa. Hot-water boiler regulator for heating liquid fuel for oil burners. 2,524,608, Oct. 3.
Stauffer, Henry L., Lansdale, Pa. Controlling switch for the electrical system of automobile. 2,507,942, May 16.
Stauffer, Lynn H., Rotterdam Junction, and T. M. Snyder, Schenectady, N. Y., assignors to the United States of America as represented by the United States Atomic Energy Commission. Neutron meter. 2,506,944, May 9.
Stauffer, Lynn H., Pattersonville, and R. H. Pashley, Indian Lake, N. Y., assignors to General Electric Company. Electrical contact member and making the same. 2,509,020, May 23.
Stauffer, Robert E., assignor to Eastman Kodak Company, Rochester, N. Y. Producing direct positive photographs having increased density. 2,497,917, Feb. 21.
Staunt, Martin, Chicago, Ill. Dental hand piece. 2,504,233, Apr. 18
Staunt, Martin, Chicago, Ill. Dental hand piece. 2,529,824, Nov. 14.
Staunton, Le Roy, Evanston, R. L. Atkinson, Hinsdale, and E. J. Hopkins, assignors to United Wallpaper, Inc., Chicago, Ill. Umbrella. 2,496,501, Feb. 7.
Stauss, Karl R.: *See*—
Johnson, Curt L., and Stauss.
Stava, Robert J.: *See*—
Bastin, Edgar J., Jr., and Stava.
Goldfield, Edwin R., Stava, and Bastin.
Stava, Robert J., University Heights, assignor to Picker X-Ray Corporation Waite Manufacturing Division, Inc., Cleveland, Ohio. X-ray camera. 2,526,094, Oct. 17.
Staver, Edward F., Jackson Heights, N. Y. Shield assembly for vacuum tubes. 2,499,612, Mar. 7.
Staver, Joseph L., Mineral Point, Wis. Hay hoist 2,498,611, Feb. 21.
Ste' S. E. R. A. P. (Societe d'Etudes, de Recherches et d'Applications des Poudres agglomerees), assignee: *See*—
Deschamps, Jean B., and Bergier.
Stead, Clifford, Bellingham, Mass., and F. Meyer, Jr., Philadelphia, Pa., assignors to The Taft-Pierce Manufacturing Company, Woonsocket, R. I. Measuring apparatus for gauge determination of dimensions of bodies with flow of fluid under pressure from an orifice. 2,513,374, July 4.
Stead, Edward B., Bearsden, assignor to Dobbie McInnes Limited, Glasgow, Scotland. Making graphic records. 2,500,907, Mar. 14.
Steady-Flow Freezer Co., assignee: *See*—
Tacchella, Andrew J.
Steahly, George W.: *See*—
Kyrides, Lucas P., Zienty, and Steahly.
Steahly, George W., assignor to Monsanto Chemical Company, St. Louis, Mo. Making 2-amino-5-substituted-1,3,4-thiadiazole. 2,497,825, Feb. 14.
Stearn, Franklin A.: *See*—
Haigh, Leslie B., and Stearn.
Stearn, Franklin A., Westfield, and E. Manzo, Newark, N. J., assignors to Federal Telephone and Radio Corporation, New York, N. Y. Indicator for switchboards with rotating shutter. 2,513,375, July 4.
Stearn, Robert F., Mountainside, N. J. Metal identifier. 2,531,747, Nov. 28.
Stearns, Dick E., Shreveport, La. Connector for electrodes. 2,497,804, Feb. 14.
Stearns, Frank H., Meriden, assignor, by mesne assignments, to B. B. Sales Company, Lebanon, N. H. Drawing roll. 2,530,094, Nov. 14.
Stearns, Kenneth R., Springfield, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Turbine and condenser construction. 2,526,430, Oct. 17.
Stearns Magnetic Mfg. Co., assignee: *See*—
Stearns, Roswell H.
Stearns Manufacturing Company, assignee: *See*—
Schutt, Walter G.
Stearns, Ned C., Houston, Tex. Spray head. 2,526,778, Oct. 24.
Stearns-Roger Manufacturing Company, The, assignee: *See*—
Weatherby, John J.
Stearns, Roswell H., Wauwatosa, assignor to Stearns Magnetic Mfg. Co., Milwaukee, Wis. Magnetic separator. 2,511,484, June 13.
Stearns, Walter E., Worcester, Mass. Inertia valve. 2,499,793, Mar. 7.
Steatite Research Corporation, assignee: *See*—
Albers-Schoenberg, Ernst.
Mosthaf, Edwin.
Stebbins, Albert H., Little Rock, Ark. Container filling machine. 2,530,211, Nov. 14.
Stec, Bernard V., East Paterson, assignor to Botany Worsted Mills, Passaic, N. J. Continuous dyeing and developing machine. 2,501,480, Mar. 21.
Stec, Joseph, Chicago, Ill. Rotary impact wrench device. 2,530,915, Nov. 21.
Stecher, Henry D., Lakewood, Ohio. Cable connector. 2,508,475, May 23.
Stecher, Henry D., Lakewood, Ohio. Cable connector. 2,508,476, May 23.
Stecher, Paul: *See*—
Stievater, Leonard, Jr., and Stecher.
Stecker, Florentine A., and W. D. McFarland, Greenville, Ohio. Hand cultivating tool. 2,504,746, Apr. 18.

Stecker, Glenroy, assignor to Great Lakes Carbon Corporation, Morton Grove, Ill. Thermal expansion and vesiculation process for siliceous materials. 2,501,698, Mar. 28.

Stecker, Glenroy, assignor to Great Lakes Carbon Corporation, Morton Grove, Ill. Thermal vesiculation and treating process for volcanic glasses. 2,501,699, Mar. 28.

Steder, Marshall, Chicago, Ill., assignor to L. J. Miley Company. Shaping die. 2,523,527, Sept. 26.

Stedman, Cecil K.: *See*—
Stoner, George H., and Stedman.

Stedman, Cecil K., H. J. Price, and R. M. Wisner, Seattle, Wash., assignors to Boeing Airplane Company. Calibration of telemetering equipment. 2,498,306, Feb. 21.

Steed, Russel L., Houston, Tex. Music stand. 2,508,694, May 23.

Steeg, Donald J., Washington, D. C., assignor to General Motors Corporation, Detroit, Mich. Air-cooled igniter plug. 2,526,169, Oct. 17.

Steel and Alloy Tank Company, assignee: *See*—
Cooper, Henry.
Hageman, Drew W.
Kulczycki, Karol, and Lundgren.
Mallard, Robert G., and Ashton.
Mastriani, Elvin A.

Steel Heddle Manufacturing Company, assignee: *See*—
Hassold, Victor C.
Kaufmann, John J.
Kaufmann, John J., Jr.

Steel Products Co., Inc., The, assignee: *See*—
Jewell, Robert A.

Steel Products Engineering Company, The, assignee: *See*—
McAdams, Joseph E.

Steelco Stainless Steel, Inc., assignee: *See*—
Patti, Fred D.

Steelcraft Boats, Incorporated, assignee: *See*—
Hall, Marcus A.

Steelcraft Boats, Incorporated, assignee: *See*—
Hall, Marcus A.

Steele, Charles T., Ecorse, Mich. Camp heating and cooking stove. 2,517,254, Aug. 1.

Steele, Claude A., Claremore, Okla. Bookholder. 2,505,590, Apr. 25.

Steele, Claude G., assignor of one-third to M. F. Crouch and one-third to R. J. Holhouser, Mooresville, N. C. Window mounted collapsible fire escape. 2,529,112, Nov. 7.

Steele, Clellie T., and E. A. Epps, Jr., Baton Rouge, La., assignors to Standard Oil Development Company. Isobutylene production. 2,497,191, Feb. 14.

Steele, Dudley M., Glendale, Calif. Sash balance. 2,497,279, Feb. 14.

Steele, Frederick I.: *See*—
Ulrich, Arthur E., Hume, Arcarese, and Steele.

Steele, Frederick I., Columbus, Ohio, and J. M. Heath, Kenmore, N. Y., assignors to Curtiss-Wright Corporation. Retractable step. 2,494,367; Jan. 10.

Steele, Frederick I, and A. O. Willis, Columbus, Ohio, assignors to Curtiss-Wright Corporation. Arrangement of aircraft propulsion and radio viewing components. 2,494,368; Jan. 10.

Steele, Gilbert, New York, N. Y. Temporary drainpipe closure. 2,512,041, June 20.

Steele, James R.: *See*—
Moore, George L., and Steele.

Steele, Howard L., Jr., Bloomfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electron discharge device. 2,518,954, Aug. 15.

Steele, Howard L., Jr., Bloomfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electron discharge device. 2,530,185, Nov. 14.

Steele, Maurice G., Rome, N. Y. Electric conductor extension cord. 2,496,108, Jan. 31.

Steele, Orville D., San Diego, Calif. Adjustable high chair. 2,514,524, July 11.

Steele, Richard: *See*—
Richert, Abraham J., and Steele.

Steele, Samuel W., assignor to Robertshaw-Fulton Controls Company, Knoxville, Tenn. Bellows trimming machine. 2,528,731, Nov. 7.

Steen, Carl A., Getinge, Sweden. Multiphase electrode. 2,516,810, July 25.

Steen, Carl A., Getinge, Sweden. Electric steam heating device. 2,533,063, Dec. 5.

Steen, Howard W., Doniphan, Mo. Tying flies. 2,532,961, Dec. 5.

Steen, Willis J., Chicago, Ill., assignor to the United States of America as represented by the Secretary of the Navy. Capacitor housing. 2,498,053, Feb. 21.

Steenbergen, William A., Spokane, Wash. Photographic light synchronizer 2,504,898, Apr. 18.

Steensen, Sverre J., V. Aker, near Oslo, Norway. Compressor. 2,535,019, Dec. 19.

Steensma, Richard, Fair Lawn, N. J., assignor to Wright Aeronautical Corporation. Ignition control system. 2,496,502, Feb. 7.

Steenstrup, Christian, Schenectady, N. Y., assignor to General Electric Company. Compressor shaft assembly. 2,504,747, Apr. 18.

Steenstrup, Christian, Schenectady, N. Y., assignor to General Electric Company. Compressor lubricating system. 2,504,748, Apr. 18.

Stefan, Joseph P., Park, Kans. Thermostatic switch. 2,506,748, May 9.

Steffen, Emil, Adams County, Ind. Wheel ridge leveling device. 2,533,150, Dec. 5.

Steffen, Emil, Decatur, Ind. Automatic leveling device for tile laying ditchers. 2,494,069, Jan. 10.

Stefl, Eugene P., Cuyahoga Falls, and L. O. Bentz, assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Stabilization of dichlorobutadiene resins. 2,514,216, July 4.

Stegeman, Ralph H., Brea, Calif. Dual flow control mechanism for flush tank valves. 2,526,294, Oct. 17.

Stegeman, Raymond F. E., Greese, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Semirimless spectacle. 2,513,214, June 27.

Stegeman, Raymond F. E., Greece, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Illuminating device for uniformly and diffusely illuminating a background. 2,530,133, Nov. 14.

Stegeman, Raymond F. E., Greece, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Lens mounting for semirimless spectacles. 2,532,959, Dec. 5.

Stegeman, Wilson, Santa Rosa, Calif. Constrictor. 2,519,712, Aug. 22.

Steger Products Mfg. Corp., assignee: *See*—
Trabucco, Vincent R.

Steglich, Herbert H.: *See*—
Emde, Kurt, and Steglich.

Stehlik, Rudolph F., Antwerp, Belgium, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Automatic private branch exchange telephone system having transfer and night service. 2,501,546, Mar. 21.

Steiding, John B.: *See*—
Elvin, William J., and Steiding.

Steiding, John B., Midland, Md., assignor to Celanese Corporation of America. Filament tester. 2,533,332, Dec. 12.

Steiert, Alois F., Philadelphia, Pa. Liquid wax applicator. 2,502,900, Apr. 4.

Steigel, Mike, Deville, La. Folding airfoil. 2,501,920, Mar. 28.

Steiger, Paul, assignee: *See*—
Schmid, Max W.

Steigerwalt, Oliver I., Niagara Falls, N. Y., assignor to the United States of America as represented by the Secretary of War. Differential bellows control device. 2,508,584, May 23.

Steigerwalt, Oliver I., Niagara Falls, N. Y., assignor to the United States of America as represented by the Secretary of War. Arrangement for coupling a parallel resonant line to a coaxial line load. 2,535,329, Dec. 26.

Steimann, Hans, La Chaux-de-Fonds, Switzerland. Watertight watchcase. 2,514,906, July 11.

Stein, Bernard, Ozone Park, N. Y. Electric lighter and dispenser for cigarettes. 2,528,619, Nov. 7.

Stein, Berthold, Baith Wegan near Jerusalem, assignor to the firm Teva Chemical Manufacturing Company Limited, Jerusalem, Palestine. Derivatives of 4-aminoantipyrine. 2,506,654, May 9.

Stein, Charles F., assignor to Pratt, Read and Company, Inc., Ivoryton, Conn. Piano action. 2,502,107, Mar. 28.

Stein, Charles F., assignor to Pratt, Read & Co., Inc., Ivoryton, Conn. Knockdown piano and utility string chassis therefor. 2,505,803, May 2.

Stein, Charles F., assignor to Pratt, Read and Company, Inc., Ivoryton, Conn. Piano construction with preassembled units. 2,505,804, May 2.

Stein, Charles F., assignor to Pratt, Read and Company, and Company, Inc., Ivoryton, Conn. Knockdown piano. 2,505,805, May 2.

Stein, Charles F., La Grange, Ill., assignor to Pratt, Read Inc., Ivoryton, Conn. Piano. 2,505,806, May 2.

Stein, Charles F., La Grange, Ill., assignor to Pratt, Read and Company, Inc., Ivoryton, Conn. Piano action. 2,528,797, Nov. 7.

Stein, Elmer L., Milwaukee, Wis. Binder file and tape for the manufacture thereof. 2,510,263, June 6.

Stein, Fred, Long Beach, N. Y. Clothes hanger. 2,508,871, May 23.

Stein, Gustav A.: *See*—
Anthony, Paul Z., and Stein.

Stein, Gustav A., Plainfield, N. J., and J. R. Stevens, Easton, Pa., assignors to Merck Co., Inc., Rahway, N. J. Preparing 2-methyl-4-hydroxy-5-alkoxy-methylpyrimidine. 2,516,158, July 25.

Stein, Hall & Company, Inc., assignee: *See*—
Caesar, George V., Bauer, and Hawley.
La Piana, Fred G.
La Piana, Fred G., and Houth.
La Piana, Fred G., Houth, and Farrell.
La Piana, Fred G., and Tarnuzzer.
Werbin, Sanford J.

Stein, Harold G., Milwaukee, Wis. Clock. 2,494,011; Jan. 10.

Stein, Heinrich, Chicago, Ill. Automobile water circulating heater. 2,508,729, May 23.

Stein, Herbert A., St. Albans, N. Y. Measuring and controlling chlorine content of water. 2,526,515, Oct. 17.

Stein, John L., Muncie, Ind. Incandescent vapor tube stove. 2,506,690, May 9.

Stein, Joseph M., and R. W. Egglestone, Buffalo, N. Y., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Conduit box for single-phase motors. 2,495,189, Jan. 17.
Stein, Lawrence: *See*—
Finkelstein, Lawrence.
Stein, Robert A.: *See*—
Beaman, Bernard, Hulman, and Stein.
Steinbach, Warner, Maplewood, assignor to Cranford Development Corporation, Cranford, N. J. Door hinge. 2,534,998, Dec. 19.
Steinbachner, Joseph W., Chicago, Ill. Venetian blind cord pull. 2,532,202, Nov. 28.
Steinback, Herbert D., Wilmette, Ill., assignor, by mesne assignments, to Allied Control Company, Inc. Pressure responsive switch. 2,499,040, Feb. 28.
Steinberg, Alexander, New York, N. Y. Device for processing yogurt. 2,531,237, Nov. 21.
Steinberg, Nathan, Philadelphia, Pa. Medical syringe and process. 2,523,850, Sept. 26.
Steinberg, Ralph H., and H. Cohen, Chicago, Ill., said Cohen assignor to said Steinberg. Pumping system for milk processors. 2,512,045, June 20.
Steinberger, Arthur W., Elizabeth, N. J., assignor to Curtiss-Wright Corporation. Control for welding machine. 2,529,111, Nov. 7.
Steinberger, Jack, Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Microwave antenna. 2,501,105, Mar. 21.
Steinberger, Samuel, Brooklyn, N. Y., assignor to The Richards Chemical Works, Jersey City, N. J. Obtaining fatty alcohols from their esters. 2,506,473, May 2.
Steinbrecker, Freddy: *See*—
Eserkaln, Theodore F., and Steinbrecker.
Steinmueller, Ralph E.: *See*—
Dietert, Harry W., and Steinmueller.
Steiner, Arnold B., La Jolla, and W. H. McNeely, assignors to Kelco Company, San Diego, Calif. High-stability glycol alginates and their manufacture. 2,494,911, Jan. 17.
Steiner, Arnold B., and A. Miller, La Jolla, assignors to Kelco Company, San Diego, Calif. Polyoxyethylene esters for improving frozen confections. 2,493,324, Jan. 3.
Steiner, Arnold B., La Jolla, and W. H. McNeely, assignors to Kelco Company, San Diego, Calif. High alkylene glycol esters of alginic acid. 2,494,912, Jan. 17.
Steiner, Arnold B., La Jolla, and A. Miller, assignors to Kelco Company, San Diego, Calif. Manufacture of glycol pectates and pectinates. 2,522,970, Sept. 19.
Steiner, Helen: *See*—
Calcutt, Reginald B., and Steiner.
Steiner, Helen, and R. B. Calcutt, Chicago, Ill. Hair curler. 2,507,356, May 9.
Steiner, Herbert: *See*—
Chandley, Edwin F., Steiner, and Zimkin.
Steiner-Ives Co., assignee: *See*—
Sage, Albert M.
Steiner, Louis, Rockaway Park, N. Y., assignor to Mills Industries, Incorporated. Dispensing machine. 2,522,316, Sept. 12.
Steiner, Max S., Chicago, Ill. Scouring pad. 2,500,715, Mar. 14.
Steiner, Robert H.: *See*—
Rowland, George P., and Steiner.
Steiner, William F., Silver Spring, Md. Easel. 2,515,359, July 18.
Steingruber, George, Atlanta, Ga. Metal frame for window screens and the like. 2,504,602, Apr. 18.
Steingruber, George, Atlanta, Ga. Friction sash holder. 2,526,170, Oct. 17.
Steinhardt, Lawrence R.: *See*—
Norris, William C., Steinhardt, and Ribe.
Steinhauer, Frank C., Decatur, Ga. Container partitioning device. 2,496,964, Feb. 7.
Steinhauser, Hayes B.: *See*—
Brode, George E., and Steinhauser.
Steinhilb, Arthur R., Milwaukee, Wis. Candle holder for cakes. 2,499,079, Feb. 28.
Steinhoff, John R., Brooklyn, N. Y. Electronic indicator. 2,497,190, Feb. 14.
Steininger, Hugh, and E. Shippy, South Bend, Ind. Automatic fluorescent tube changer. 2,524,002, Sept. 26.
Steinitz, Stephan: *See*—
Cremer, Frits, Steinitz, and Manheimer.
Steinke, Robert R., West Somerville, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Connector. 2,498,589, Feb. 21.
Steinlin, Paul W., Basel, assignor to Aktiengesellschaft Cilander, Herisau, Switzerland. Obtaining transparent effects on regenerated cellulose fibers. 2,506,040, May 2.
Steinlin, Paul W., Basel, assignor to Aktiengesellschaft Cilander, Herisau, Switzerland. Obtaining transparent effects on regenerated cellulose fibers. 2,506,041, May 2.
Steinlin, Paul W., Basel, assignor to Aktiengesellschaft Cilander, Herisau, Switzerland. Obtaining transparent effects on regenerated cellulose fibers. 2,506,042, May 2.
Steinlin, Paul W., Basel, assignor to Aktiengesellschaft Cilander, Herisau, Switzerland. Obtaining transparent effects on regenerated cellulose fibers. 2,506,043, May 2.
Steinlin, Paul W., Basel, assignor to Aktiengesellschaft Cilander, Herisau, Switzerland. Obtaining transparent effects on regenerated cellulose fibers. 2,506,044, May 2.
Steinlin, Paul W., Basel, assignor to Aktiengesellschaft Cilander, Herisau, Switzerland. Obtaining transparent effects on regenerated cellulose fibers. 2,506,045, May 2.
Steinlin, Paul W., assignor to Aktiengesellschaft Cilander, Herisau, Switzerland. Obtaining transparent effects on regenerated cellulose fibers. 2,506,046, May 2.
Steinman, Alexander S., assignor of one-half to N. Steinman, Chicago, Ill. Collar support. 2,494,675, Jan. 17.
Steinman, Nathan, assignee: *See*—
Steinman, Alexander S.
Steinman, Robert, Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation. Glass fiber-resin composite product. 2,513,268, June 27.
Steinmann, Emile, assignor to Schild & Co. Societe Anonyme, La Chaux de Fonds, Switzerland. Timepiece with electromagnetic winding device. 2,519,713, Aug. 22.
Steinmann, Oswald A., Bettendorf, Iowa. Wheel wrench. 2,512,978, June 27.
Steinmann, Willi: *See*—
Guanella, Gustav, and Steinmann.
Steinmayer, Alwin G., Milwaukee, Wis., assignor to McGraw Electric Company. Aerial cable cutout. 2,524,404, Oct. 3.
Steinmayer, Alwin G., Milwaukee, and W. O. Schultz, South Milwaukee, Wis., assignors to McGraw Electric Company. Fuse construction. 2,509,892, May 30.
Steinmetz, Alwood H., Watertown, S. Dak. Forced flow portable air heater for mounting upon the exterior walls of rooms to be heated. 2,530,486, Nov. 21.
Steinmeyer, Frank E., Garden City, assignor to Columbian Bronze Corporation, Freeport, N. Y. Hydraulic steering apparatus. 2,494,839, Jan. 17.
Steinmeyer, Frederick W., Oakland, Calif. Traverse crane. 2,516,490, July 25.
Steinmueller, Ralph E.: *See*—
Dietert, Harry W., Steinmueller, and King.
Steins, Carleton K., Merion, assignor to The Pennsylvania Railroad Company, Philadelphia, Pa. Load separator and sustainer. 2,501,420, Mar. 21.
Steins, Carleton K., Merion, assignor to The Pennsylvania Railroad Company, Philadelphia, Pa. Device for raising normally closed window sashes. 2,528,396, Oct. 31.
Steins, Carleton K., Merion, assignor to The Pennsylvania Railroad Company, Philadelphia, Pa. Power-operated valve. 2,529,431, Nov. 7.
Steinschlaeger, Michael, London, England. Production of water gas and like synthesis gases. 2,520,860, Aug. 29.
Steinschlaeger, Michael, London, England. Manufacture of industrial and power gases. 2,524,849, Oct. 10.
Steinschlaeger, Michael, London, England. Manufacture of water gas. 2,525,318, Oct. 10.
Steinway & Sons, assignee: *See*—
Bilhuber, Paul H.
Steirly, Albert R., Rockport, Tex.; L. S. Rozzell, administratrix of said Albert R. Steirly, deceased. Slush pump valve. 2,516,927, Aug. 1.
Steitz, Alfred, Jr., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Azeotropic distillation of 1-butanol from methyl n-butyl ketone. 2,500,329, Mar. 14.
Stejskal, Frantisek, near Litomerice, assignor to Sana, Narodni Podnik, Prague, Czechoslovakia. Production of a nickel-silica-sulfur catalyst. 2,513,529, July 4.
Stekol, Jakob A.: *See*—
Dearborn, Robert J., and Stekol.
Stekol, Jakob A., Glenside, assignor to The Lankenau Hospital, Philadelphia, Pa. 3,6-bis dichloroethyl-2,5-diketopiperazine derivatives and hydrolysis products thereof. 2,501,455, Mar. 21.
Stekol, Jakob A., Glenside, assignor to The Lankenau Hospital, Philadelphia, Pa. Synthesis of cystathionine and intermediate condensation products. 2,506,975, May 9.
Stella, Anthony J., Worcester, Mass. Vibration damper for wire-drawing machines. 2,521,879, Sept. 12.
Stellpflug, August W.: *See*—
Tait, Wilfred E., and Stellpflug.
Stellwagen, Frank W.: *See*—
Kortlucke, Frederick F., Jr., and Stellwagen.
Stelly, Louis E., Opelousas, La. Sea food trap. 2,516,658, July 25.
Stelter, Otto A., West Allis, Wis. Anchor or toggle bolt. 2,519,511, Aug. 22.
Stelzer, Arthur A., Van Nuys, Calif. Knockdown chair. 2,518,955, Aug. 15.
Stelzer, William, East Orange, N. J. Brake booster. 2,532,960, Dec. 5.
Stelzl, Howard M.: *See*—
Schwarz, Bertram A., Stelzl, and Wright.
Stemen, Everett L., F. L. Enslen, and O. Springer, Elida, Ohio, said Stemen assignor to said Enslen and said Springer. Vertically adjustable trailer. 2,519,002, Aug. 15.
Stemmons, Robert, Middletown, Ohio, and W. L. Edel, assignors to Clayton & Lambert Manufacturing Company, Louisville, Ky. Reinforced sheet metal roof. 2,532,466, Dec. 5.
Stempel, Arthur: *See*—
Aeschlimann, John A., and Stempel.

Stempel, Edward H., and M. L. Nelson, assignors to American Gas Machine Company, Albert Lea, Minn. Combination pilot and vaporizing device for horizontal pot type burners. 2,502,352, Mar. 28.

Stempel, Guido H., Jr.: *See*—
Bachman, Gustave B., and Stempel.

Stempel, Laszlo M., assignor, by mesne assignments, to R. Hoe & Co., Inc., New York, N. Y. Paper-cutting and delivery mechanism for web cylinder lithographing or printing presses. 2,509,047, May 23.

Stender, Carl, Richmond, Calif. Flowerpot hanger. 2,533,845, Dec. 12.

Stender, Hermann R. F., San Francisco, Calif. Clothespin. 2,508,628, May 23.

Stengel, Leonard A., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Process and apparatus for carrying out exothermic chemical reactions. 2,512,586, June 20.

Stengel, Leonard A., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Temperature control in nitration of hydrocarbons. 2,512,587, June 20.

Stengel, Leonard A., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Production of alkali metal nitrates. 2,535,989, Dec. 26.

Stengel, Leonard A., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Production of sodium nitrate. 2,535,990, Dec. 26.

Stenger, Richard C., assignor to Sutherland Paper Company, Kalamazoo, Mich. Conveying and positioning mechanism for cartons and the like. 2,499,694, Mar. 7.

Stenger, Vernon A., assignor to The Dow Chemical Company, Midland, Mich. Preparation of lithium halides. 2,516,659, July 25.

Stenning, Luis C., Wembley, England, assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Wave-signal receiver. 2,525,151, Oct. 10.

Stepacoff, David I., and P. C. Smith, Perth Amboy, N. J. Coupling for eyeglasses. 2,504,749, Apr. 18.

Stepan Chemical Company, Inc., The, assignee: *See*—
Wolfe, John R.

Stepanoff, Alexey J., Phillipsburg, N. J., assignor to Ingersoll-Rand Company, New York, N. Y. Adjusting device. 2,505,071, Apr. 25.

Stepanoff, William, assignee: *See*—
Talvio, Erik A.

Stephan Corp., The, assignee: *See*—
Stephan, Joseph.

Stephan, Hallis N., Cleveland Heights, Ohio, assignor to The New Britain Machine Company, New Britain, Conn. Machine tool spindle. 2,501,421, Mar. 21.

Stephan, Ingo L., Delanco, N. J., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Device for interconnecting wave guides. 2,513,067, June 27.

Stephan, Ingo L., Edgewater Park, and D. D. Evers, assignors to Philco Corporation, Philadelphia, Pa. Integral socket and printed circuit panel. 2,524,939. Oct. 10.

Stephan, John T., Seattle, Wash., assignor to Monsanto Chemical Company, St. Louis, Mo. Plasticized aminoaldehyde resins. 2,535,020, Dec. 19.

Stephan, Joseph, Phoenix, Ariz., assignor to The Stephan Corp. Ore concentrator. 2,496,025, Jan. 31.

Stephan, Wolfgang, Demarest, assignor to S. Blickman, Inc., Weehawken, N. J. Heater unit. 2,522,002, Sept. 12.

Stephen, James, assignor to Highway Trailer Co., Edgerton, Wis. Torsion bearing type fifth wheel. 2,507,616, May 16.

Stephen, James, assignor to Highway Trailer Co., Edgerton, Wis. Torsion bearing fifth wheel. 2,513,117, June 27.

Stephens-Adamson Mfg. Co., assignee: *See*—
Sinden, Alfred D.

Stephens, Arthur F., Beaumont, assignor of forty-nine per cent to J. F. Holt, Houston, Tex. Distributor nozzle plate. 2,523,074, Sept. 19.

Stephens, Cecil D., assignee: *See*—
Collier, Millard.

Stephens, Elton S., assignor, by mesne assignments, to Central Commercial Industries, Inc., Chicago, Ill. Rheostat switch. 2,510,608, June 6.

Stephens, Foster M.: *See*—
Fluor, John R., Stephens, Bartels, and Newman.

Stephens, Foster M., assignor to The Fluor Corporation, Ltd., Los Angeles, Calif. Silencer with elongated pipe connecting plural chambers. 2,501,794, Mar. 28.

Stephens, Foster M., assignor to The Fluor Corporation, Ltd., Los Angeles, Calif. Heat transfer equipment. 2,501,795, Mar. 28.

Stephens, Foster M., assignor to The Fluor Corporation, Ltd., Los Angeles, Calif. Pulsation dampener for pressure gauges. 2,518,832, Aug. 15.

Stephens, George H.: *See*—
Hammond, Laurens, and Stephens.

Stephens, Leo L., Hawkins, Tex. Trailer coupling stabilizer. 2,523,733, Sept. 26.

Stephens, Marion F., Sullivan, Ind., assignor to The Guidoscope Corporation, Chicago, Ill. Mechanism for angular adjustment of surgical pin and nail directing apparatus in a vertical plane. 2,519,003, Aug. 15.

Stephens, Maurice J.: *See*—
Leardi, Thomas A., Long, and Stephens.

Stephens, Robert D., Richmond, Va. Hollow circular segmental lens structure with liquid filler. 2,496,681, Feb. 7.

Stephens, William E.: *See*—
Wells, William H., Stephens, Shoupp, and Haxby.

Stephens, William T., assignor, by mesne assignments, to Hydraulic Equipment Company, Cleveland, Ohio. Lowering valve. 2,495,785, Jan. 31.

Stephens, William T., assignor, by mesne assignments, to Hydraulic Equipment Company, Cleveland, Ohio. Variable capacity reciprocating pump. 2,510,150, June 6.

Stephens, William T., Painesville, assignor, by mesne assignments, to Hydraulic Equipment Company, Cleveland, Ohio. Control valve for double-acting hydraulic systems. 2,499,425, Mar. 7.

Stephens, William T., Painesville, Ohio. Fluid shaft coupling. 2,511,518, June 13.

Stephens, William T., Painesville, Ohio. Cylinder assembly. 2,533,531, Dec. 12.

Stephensen, Björn: *See*—
Sörensen, Harald M., and Stephensen.

Stephensen, Frederik, Lyndhurst, and E. A. Mastriani, Newark, assignors to The M. W. Kellogg Company, Jersey City, N. J. Whip roll mounting structure. 2,507,828, May 16.

Stephenson, Alford H.: *See*—
Stephenson, Orley R. and A. H.

Stephenson, Beth N., sole heir: *See*—
Stephenson, Orley R. and A. H.

Stephenson, Doris G., Denver, Colo. Bobby pin opener. 2,535,170, Dec. 26.

Stephenson, Ernest I., Cleveland, Ohio, assignor to Eureka Specialty Printing Company, Scranton, Pa. Severing device. 2,528,455, Oct. 31.

Stephenson, Hugh M., Fort Wayne, Ind. Musical instrument. 2,511,302, June 13.

Stephenson, Hugh M., Fort Wayne, Ind., assignor to General Electric Company. Driving mechanism. 2,511,678, June 13.

Stephenson, Isaac L., Darrouzett, Tex. Cattle branding and dehorning chute. 2,508,549, May 23.

Stephenson, James R., Dayton, Ohio. Nutating axis pump with motor. 2,509,790, May 30.

Stephenson, John G., Mineola, N. Y., and R. R. Webster, Long Beach, Calif., assignors to the United States of America as represented by the Secretary of War. Ultra high frequency modulation circuit. 2,527,773, Oct. 31.

Stephenson, John O., and J. H. Hillis, Detroit, Mich.; said Hillis assignor to said Stephenson. Transmission gripping device. 2,523,734, Sept. 26.

Stephenson, Louis J., New Bern, N. C. Automatic soldering iron control. 2,494,840, Jan. 17.

Stephenson, Orley R., and A. H. Stephenson, deceased, Oakland, Calif.; B. N. Stephenson, sole heir of said A. H. Stephenson, assignor to said O. R. Stephenson. Compressor. 2,530,551, Nov. 21.

Stephenson, Richard G., Santa Fe, N. Mex., assignor to the United States of America as represented by the Secretary of the Navy. Electronic switch. 2,521,952, Sept. 12.

Stephenson, Robert W.: *See*—
Kyrides, Lucas P., Zienty, and Stephenson.

Stephenson, Thomas S., Altoona, Pa. Explosive toy bomb. 2,503,360, Apr. 11.

Stephenson, Thomas W.: *See*—
Beems, Floyd E., Bugbee, and Stephenson.
Scott, Edwin D., and Stephenson.

Stephenson, Thomas W., Detroit, assignor to Ford Motor Company, Dearborn, Mich. Fuel tank filler pipe construction. 2,508,124, May 16.

Stephenson, Thomas W., Detroit, and F. E. Beems, assignors to Ford Motor Company, Dearborn, Mich. Resilient mount. 2,514,811, July 11.

Stephenson, Thomas W., Detroit, and C. W. Bugbee, Royal Oak, assignors to Ford Motor Company, Dearborn, Mich. Automobile body construction. 2,532,203, Nov. 28.

Stepp, Bynum J.: *See*—
Garren, Herbert P., and Stepp.

Stereocraft Engineering Co., assignee: *See*—
Smith, Gordon N.

Stereoptics Limited, assignee: *See*—
Dudley, Leslie P. C. J.

Steriss, John L., Brooklyn, N. Y. Frankfurter grilling device. 2,506,318, May 2.

Sterling China Company, The, assignee: *See*—
Nile, Robert H., and Roberts.

Sterling Corporation, The, assignee: *See*—
Venner, William M., and Bowser, Jr.

Sterling Drill Company, assignee: *See*—
Brown, Sam.

Sterling Drug Inc., assignee: *See*—
Albertson, Noel F.
Archer, Sydney.
Buck, Johannes S., Suter, and Surrey.
Cavallito, Chester J.
Cavallito, Chester J., and Small.
Clinton, Raymond O.
Clinton, Raymond O., Huber, and Fohlen.
Clinton, Raymond O., Huber, Fohlen, and Laskowski.
Clinton, Raymond O., and Suter.
Feldkamp, Roland F.
King, John A.
Kirchner, Frederick K., and Cavallito.
Kwartler, Charles E., and Lucas.

Sterling Drug Inc., assignee: *See*—Continued.
Lawson, Elmer J., Fohlen, and Addelston.
Lucas, Philip.
Surrey, Alexander R.
Surrey, Alexander R., and Cutler.
Sterling Engineering Co., assignee: *See*—
Perry, Edward D.
Sterling Engineers, Inc., assignee: *See*—
Stageberg, Sterling O.
Sterling Industries Limited, assignee: *See*—
Thomas, Percival E.
Sterling Products Incorporated, assignee: *See*—
Hagstrom, Gotthard.
Sterlingworth Company, assignee: *See*—
Medlar, Lewis A.
Medlar, Lewis A., and Godshalk.
Stern, Carl-Gustaf F., Malmo, Sweden. Holding device for films, plates, or the like when X-raying teeth. 2,522,201, Sept. 12.
Stern, Isador, assignee: *See*—
Mayer, Samuel.
Stern, Joseph M., Company, The, assignee: *See*—
Elder, Emil M.
Stern, Kurt G., New York, N. Y. Electrophoretic liquid analysis apparatus having a diaphragm and cylindrical lens in the optic path. 2,495,297, Jan. 24.
Stern, Lewis J., Adrian, Mich., assignor, by mesne assignments, to Sperti Faraday Inc. Clock setting system. 2,498,462, Feb. 21.
Stern, Nathan N., Cleveland, Ohio. Torch construction for electric lighters. 2,529,746, Nov. 14.
Stern, Nathan S., assignor to American Measuring Instruments Corporation, New York, N. Y. Slide caliper. 2,512,042, June 20.
Stern, Morris, Detroit, Mich. Preserved yeast products. 2,523,483, Sept. 26.
Stern, Otto, Berkeley, Calif., assignor to The United States of America as represented by the Secretary of War. Apparatus for dynamic compression testing. 2,496,420, Feb. 7.
Stern, William, assignee: *See*—
Hewitt, Harold C., and Morgan.
Sternad, Frank S., Cuyahoga Falls, and J. P. Sapp, Kent, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Tire building machine. 2,496,137, Jan. 31.
Sternberg, Albert: *See*—
Farkas, Eugene and Sternberg.
Sternberg, Julia, executrix: *See*—
Farkas, Eugene and Sternberg.
Sternberg, Woldemar M.: *See*—
Hayes, Earl T., Williams, and Sternberg.
Sternbergh, J. H., assignee: *See*—
Scheffey, George B.
Sterner, Francis E., assignee: *See*—
Cipyak, John.
Sterno, Inc, assignee: *See*—
Holmes, Harry N.
Sterns, Lorance E., St. Louis, Mo. Method and apparatus for grinding or honing. 2,497,021, Feb. 7.
Sterrett, Charles C., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Bearing bracket for hydrogen-cooled generators. 2,504,899, Apr. 18.
Sterrett, Kenneth R., Galion, and D. S. Baker, Iberia, assignors to The North Electric Manufacturing Company, Galion, Ohio. Telephone lookout relay control circuit. 2,525,840, Oct. 17.
Sterrett, Vance C., Logansport, Ind. Pressure fluid motor. 2,493,602, Jan. 3.
Sterzer, Peter, Muskegon, Mich. Spring mounting for seats. 2,529,639, Nov. 14.
Steuart, Arthur B., assignor to Martin & Schwartz, Inc., Salisbury, Md. Positive action reel for gasoline dispensers. 2,494,525: Jan. 10.
Steuck, Donald F., West Allis, Wis. Mechanical pencil of the selective plural instrument type. 2,503,007, Apr. 4.
Stevels, Johannes M.: *See*—
Verwey, Evert J. W., and Stevels.
Stevenhagen, John W.: *See*—
Hein, Carl C., and Stevenhagen.
Stevens, Adolph K., Buffalo, N. Y. Antiskid device. 2,533,151, Dec. 5.
Stevens-Arnold Inc., assignee: *See*—
Reifel, Harry.
Stevens, Arthur J.: *See*—
Wilder, Marshall P., and Stevens.
Stevens, Arthur L., Buffalo, N. Y. Apparatus for heating and spraying lacquer or the like. 2,517,049, Aug. 1.
Stevens, Austin E., Fall River, Mass. Faulty thread indicator for sewing machines, etc. 2,534,999, Dec. 19.
Stevens, Brooks, Jr., Concord, assignor to Lawrence Manufacturing Company, Lowell, Mass. Circular, independent needle, knitting machine. 2,535,991, Dec. 26.
Stevens, Carl I., Melrose, Mass. Modulating valve. 2,497,635, Feb. 14.
Stevens, Charles R., Toledo, assignor, by mesne assignments, to Glass Fibers, Inc., Waterville, Ohio. Producing staple fibers. 2,511,381, June 13.
Stevens, Charles R., Toledo, assignor, by mesne assignments, to Reconstruction Finance Corporation, Cleveland, Ohio. Multiunit electron discharge tube. 2,534,077, Dec. 12.
Stevens, Clarence C., Forestville, Conn., assignor to General Motors Corporation, Detroit, Mich. Method and apparatus for optical projection of raceway contours and the like. 2,493,325, Jan. 3.
Stevens, Clarence C., Forestville, Conn., assignor to General Motors Corporation, Detroit, Mich. Clutch and brake mechanism. 2,518,833, Aug. 15.
Stevens, Curtis T., St. Simons Island, Ga. Stove attachment. 2,530,095, Nov. 14.
Stevens, Don E.: *See*—
Mertens, Edward W. and Stevens.
Smith, Vaughn R., and Stevens.
Stevens, Donald R., Wilkinsburg, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Diesel fuel. 2,495,555, Jan. 24.
Stevens, Donald R., Wilkinsburg, and A. C. Dubbs, Springdale, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Bis(hydroxyphenyl) compounds. 2,515,906, July 18.
Stevens, Donald R., Wilkinsburg, and A. C. Dubbs, Springdale, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Bis(hydroxyphenyl) alkanes. 2,515,907, July 18.
Stevens, Donald R., Wilkinsburg, and A. C. Dubbs, Springdale, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Antioxidants for oils and oil compositions containing the same. 2,515,908, July 18.
Stevens, Donald R., Wilkinsburg, and A. C. Dubbs, Springdale, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Glyoxal-tertiary-butyl cresol condensation products. 2,515,909. July 18.
Stevens, Donald R., Wilkinsburg, and W. C. Starnes, assignors to Gulf Research & Development Company, Pittsburgh, Pa. 4-neopentyl-1,2-dithia-4-cyclopentene-3-thione and 4-methyl-5-tertiary-butyl-1,2-dithia-4-cyclopentene-3-thione. 2,535,705, Dec. 26.
Stevens, Donald R., Wilkinsburg, and A. C. Whitaker, Oakmont, assignors to Gulf Research & Development Company, Pittsburgh, Pa. 4-methyl-1,2-dithia-4-cyclopentene-3-thione. 2,535,706, Dec. 26.
Stevens, Farron L., Detroit, Mich., assignor to M. S. D'Essen, New York, N. Y. Dental amalgamator. 2,518,396, Aug. 8.
Stevens, Florence M., Aurora, Ill. Eye moving mechanism for dolls. 2,509,373, May 30.
Stevens, Francis H., Hamilton, Ontario, Canada. Teeter-type material handling toy. 2,506,522, May 2.
Stevens, Frederic B., Inc., assignee: *See*—
Lang, Matthew.
Stevens, Grace M., assignee: *See*—
Stevens, Ruby E.
Stevens, Guy L., Detroit, Mich. Grooving tool. 2,509,581, May 30.
Stevens, Harry A., Hartford, Conn. Safety device for automatic pistols. 2,529,359, Nov. 7.
Stevens, Harry P., Oyster Bay, N. Y. Locking key for shafts. 2,497,634, Feb. 14.
Stevens, Henry W., Phoenixville, and L. R. Hecker, Havertown, assignors to Benj. C. Betner Company, Devon, Pa. Window bag and method and apparatus for making same. 2,511,303, June 13.
Stevens, Horace D., and R. W. Allen, assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Tire building drum. 2,514,215, July 4.
Stevens Industries, Inc., assignee: *See*—
Lazier, Wilbur A., and Vincent.
Mitchell, Jack H., Jr.
Vincent, Joseph F.
Stevens, Joe O., and F. F. Melvin, Elwood, Ind., assignors, by mesne assignments, to Henry Disston & Sons, Inc., Philadelphia, Pa. Broom rake handle attachment. 2,519,714, Aug. 22.
Stevens, Joseph R.: *See*—
Stein, Gustav A., and Stevens.
Stevens, Lemuel M., Jr., U. S. Navy. Toy. 2,499,794, Mar. 7.
Stevens Manufacturing Company, Inc., assignee: *See*—
Bletz, Edward.
Stevens, Milton J., Glendale, assignor of one-third to I. W. Adams, Pasadena, and one-third to M. R. Kent, Glendale, Calif. Key operated selective register for meter control. 2,522,845, Sept. 19.
Stevens, Nelson P., Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Geochemical exploration method by infra-red analysis of soil extract solutions. 2,500,213, Mar. 14.
Stevens, Paul O., assignor to Mutual Products Company, Minneapolis, Minn. Suckling device for calf feeders. 2,501,146, Mar. 21.
Stevens, Paul O., assignor to Mutual Products Company, Minneapolis, Minn. Suckling device for calves. 2,516,730, July 25.
Stevens, Ralph R., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone transmitter with radial slots in the carbon chamber. 2,527,159, Oct. 24.
Stevens, Ralph R., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Microphone with opposite electrodes being of varying and constant curvature. 2,532,741, Dec. 5.
Stevens, Raymond R., Millbury, assignor to The Felters Company, Boston, Mass. Filter material. 2,514,145, July 4.

Stevens, Robert L., Buffalo, N. Y. Coiling machine. 2,527,662, Oct. 31.
Stevens, Roy R., Forest Hills, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Control apparatus. 2,505,260, Apr. 25.
Stevens, Roy R., Forest Hills, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure control apparatus. 2,512,043, June 20.
Stevens, Roy R., Forest Hills, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Control apparatus. 2,524,487, Oct. 3.
Stevens, Roy R., Forest Hills, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure control apparatus. 2,524,488, Oct. 3.
Stevens, Roy R., Forest Hills, and R. E. Miller, Wilkinsburg, assignors to the Westinghouse Air Brake Company, Wilmerding, Pa. Reversible engine control apparatus. 2,515,970, July 18.
Stevens, Ruby E., assignor to G. M. Stevens, Omaha, Nebr. Concrete building construction. 2,499,886, Mar. 7.
Stevens, Stanley S.: *See*—
Wallace, Robert L., Jr., and Stevens.
Stevens Walden, Inc., assignee: *See*—
Ulfves, Carl A.
Stevens, Wayne R.: *See*—
Kirkwood, Walter B., and Stevens.
Stevens, Willem, Weesp, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Extracting vitamin A from cow livers. 2,503,853, Apr. 11.
Stevens, William G., Jr., Sykesville, Md. Bullet sizing and/or lubricating means. 2,510,430, June 6.
Stevenson, Archibald S., Pawtucket, and L. Beer, Providence, assignors to Alrose Chemical Company, Cranston, R. I. Stabilizing rayon type fabric. 2,497,519, Feb. 14.
Stevenson, Carl E.: *See*—
Willing, Joseph E., Duffy, and Stevenson.
Stevenson, Charles P., and L. J. Ulrich, assignors to Eastman Machine Company, Buffalo, N. Y. Knife-moistening means for cutting machines. 2,526,779, Oct. 24.
Stevenson, Earl D.: *See*—
Davis, Claude E., and Stevenson.
Stevenson, Gustie, Philadelphia, Pa., assignor to F. J. Stokes Machine Company. Dust filter for vacuum driers. 2,519,082, Aug. 15.
Stevenson, Harold A., Torrance, Calif. Hydraulic unit for cable expansion and contraction. 2,515,274, July 18.
Stevenson, Herbert A., Detroit, Mich. Industrial truck attachment. 2,517,938, Aug. 8.
Stevenson, Philip H., Cincinnati, Ohio. Aerial delivery container. 2,495,486, Jan. 24.
Stevenson, Ray E., Seattle, Wash. Earth moving or leveling machine. 2,526,589, Oct. 17.
Stevenson, Robert, Barrington, R. I., assignor to Merit Engineering, Inc. Dispensing container for fluid under pressure with manually operated, spring-biased valve and dashpot for delaying closing action thereof. 2,518,259, Aug. 8.
Stevenson, Robert, Barrington, R. I., assignor to Merit Engineering, Inc. Relief valve. 2,520,893, Aug. 29.
Stevenson, Robert, Barrington, and A. W. Keema, Providence, R. I., assignors to Merit Engineering, Inc. Fluid motor and lubricating means therefor. 2,524,850, Oct. 10.
Stevenson, Robert L., Overland Park, Kans. Cover latch for automobile baggage compartments. 2,497,102, Feb. 14.
Stevenson, Thomas, Toledo, assignor to Evergrip, Incorporated, Holland, Ohio. Fixing splint for injured body appendants. 2,528,456, Oct. 31.
Stevenson, William N., Fairland, Okla. Battery post gripping head for electric cables. 2,532,127, Nov. 28.
Steward, Colby W., Kenmore, and M. R. Rivenburgh, Williamsville, assignors, by mesne assignments, to Cornell Aeronautical Laboratory, Inc., Buffalo, N. Y. Electric welding torch. 2,512,509, June 20.
Steward, Wilbur A., Omaha, Nebr. Multiplying apparatus. 2,533,408, Dec. 12.
Stewart, Andrew H., Beaver, Pa., assignor to The Phoenix Glass Company. Making glass articles, such as blocks. 2,512,781, June 27.
Stewart Bros., Inc., assignee: *See*—
Scharffenberg, Jean H.
Stewart, Charles A.: *See*—
Weeks, Walter L., Stewart, and Holmes.
Stewart, Daniel W., Jr., Renfrew, J. Mitchell, Toronto, and C. V. Matthews, Calabogie, Ontario, Canada, assignors to Calabogie Floors Limited. Method and apparatus for producing tiles. 2,535,241, Dec. 26.
Stewart, Edward, assignee: *See*—
Solomon, Randolph.
Stewart, Emma M., High Point, N. C. Carrier for a combination hot water bottle, ice bag, and fountain syringe. 2,532,962, Dec. 5.
Stewart, Emry V., assignor to Pioneer Parachute Company, Inc., Manchester, Conn. Pilot chute. 2,524,277, Oct. 3.
Stewart, Floyd D.: *See*—
Mathes, Roger A., and Stewart.
Stewart, Frederick C., Glasgow, Scotland, assignor of one-half to Robert Boby Limited, Bury St. Edwards, England. Apparatus for the controlled germination of grain during malting. 2,500,775, Mar. 14.
Stewart, Frederick C., Govan, Glasgow, Scotland. Hygrometric instrument. 2,528,018, Oct. 31.
Stewart, Harold S.: *See*—
Havens, Ralph J.
Stewart, Harry J., Tripoli, Iowa. Upending tractor seat. 2,534,386, Dec. 19.
Stewart, Harry M.: *See*—
Garlough, Owen J., and Stewart.
Stewart, Harvey T.: *See*—
Stewart, Ralph H., Jr., and H. T.
Stewart, Henry P., New York, N. Y. Letter scale. 2,502,680, Apr. 4.
Stewart, Herbert A.: *See*—
Groesbeck, Frank H., and Stewart.
Stewart, Hugh W.: *See*—
Denton, John J., and Stewart.
Turner, Richard J., and Stewart.
Stewart, Hugh W., Plainfield, N. J. assignor to American Cyanamid Company, New York, N. Y. 1-carbamyl-4-heterocyclopiperazines. 2,519,715, Aug. 22.
Stewart, Hugh W., Plainfield, and E. G. Lee, Somerville, N. J., assignors to American Cyanamid Company, New York, N. Y. Substituted piperazines and preparing the same. 2,520,479, Aug. 29.
Stewart, James C., Neutral Bay, near Sydney, New South Wales. assignor to Communication Engineering Pty. Limited, Canberra, New South Wales Australia. Multichannel carrier telephone system providing for music transmission at carrier frequencies. 2,522,846, Sept. 19.
Stewart, James E., Minneapolis, Minn. Lumber package-rescaled, divisional, bound, and protectively covered. 2,517,939, Aug. 8.
Stewart, James E., Rye, N. Y., assignor, by mesne assignments, to Stewart Products Corporation. Beverage dispenser. 2,505,369, Apr. 25.
Stewart, James E., Rye, N. Y., assignor, by mesne assignments, to Cleveland-Detroit Corporation. Vending machine. 2,512,183, June 20.
Stewart, James E., Rye, N. Y., assignor, by mesne assignments, to Stewart Products Corporation. Vending machine. 2,513,595, July 4.
Stewart, John H. F., Detroit, Mich. Fluid sealing device. 2,495,871, Jan. 31.
Stewart, John H. F., Detroit, Mich. Fluid sealing device. 2,533,201, Dec. 5.
Stewart, John M.: *See*—
Snyder, Harold R., and Stewart.
Stewart, John W., assignor to Sir Joseph W. Isherwood & Co., Ltd., New York, N. Y. Suction box. 2,533,697, Dec. 12.
Stewart, Joseph: *See*—
Beach, Leland K., Nelson, and Stewart.
Stewart, Leize R., New York, N. Y. Photographically printing on materials. 2,531,086, Nov. 21.
Stewart, Maybelle P., Tiffin, Ohio. Garment measuring and basting device. 2,502,287, Mar. 28.
Stewart, Meredith M.: *See*—
Arnold, George B., Hess, and Stewart.
Moore, Frank J., and Stewart.
Sensel, Eugene E., and Stewart.
Stewart, Orald S., Cleveland, Ohio. Process and apparatus for producing abrasive material. 2,523,454, Sept. 26.
Stewart, Patterson O., Bronxville, N. Y. Apparatus for analyzing fluids. 2,505,693, Apr. 25.
Stewart Products Corporation, assignee: *See*—
Stewart, James E.
Stewart, Ralph B., Chevy Chase, Md., assignor to Askania Regulator Company. Flow measuring device. 2,514,907, July 11.
Stewart, Ralph H., Jr., Arnett, and H. T. Stewart, Glen Daniel, W. Va. Safety system for mine hoists. 2,510,151, June 6.
Stewart, Robert H., Detroit, Mich. Folding catamaran. 2,495,190, Jan. 17.
Stewart, Victor, New York, N. Y. Passenger-carrying device for bicycles. 2,516,352, July 25.
Stewart, Walter G.: *See*—
Fellman, Evan J., and Stewart.
Stewart-Warner Corporation, assignee: *See*—
Allen, Arthur C.
Allen, George W.
Allen, George W., and Tramontini.
Campbell, Thomas A.
Christensen, Alfred.
Collins, Arthur R.
Collins, Arthur R., Leslie, and Novak.
Collins, Arthur R., Ryder, and Randall.
Coxon, George E.
Coxon, George E., and Paul.
Davis, Ernest W.
Fagen, William F.
Fagen, William F., Klug, and Allen.
Fairbanks, Gordon J., and Tramontini.
Jacobs, Gerlad.
Komm, Joseph.
Leslie, John H., II.
Marshall, William A., Jr.
McCollum, Henry J. D.

Stewart-Warner Corporation, assignee: *See*—Continued.
Mertl, Glen F., and Knothe.
Morton, Robert B.
Norman, Horace M.
Palm, George H.
Poetsch, William C.
Raisch, Charles F.
Randall, Ross D., and Ryder.
Reber, Grote.
Rodert, Lewis A.
Ryder, Frank A.
Ryder, Frank A., Korsgren, and Collins.
Schweisthal, Frederick G.
Tear, Harry R.
Thomas, George F.
Thompson, Norman F.
Tramontini, Vernon N.
Tramontini, Vernon N., and Allen.
Walker, Jerome F.
Whitted, John B.
Williams, Lynn A., Jr.
Williams, Lynn A., Jr., and Allen.

Stewart, Wilfred H., Macedonia, assignor, by mesne assignments, to W. M. Weil, Cleveland, Ohio. Pump. 2,528,210, Oct. 31.

Stewart, William A., assignor to Philco Corporation, Philadelphia, Pa. Cathode-ray beam deflection circuit. 2,501,857, Mar. 28.

Stewart, William A., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Object locating system. 2,523,455, Sept. 26.

Stewart, William D., Yonkers, assignor to The B. F. Goodrich Company, New York, N. Y. Insect proofing woolen fabrics with 2,3-diaryl indoles. 2,510,432, June 6.

Stewart, William D., Yonkers, assignor to The B. F. Goodrich Company, New York, N. Y. Plant growth regulants. 2,535,875, Dec. 26.

Stewart, William D., Yonkers, assignor to The B. F. Goodrich Company, New York, N. Y. Beta-(heterocyclic-thio) propionic acid and derivatives as plant stimulants. 2,535,876, Dec. 26.

Stewart, William D., Yonkers, assignor to The B. F. Goodrich Company, New York, N. Y. Plant growth regulants. 2,535,877, Dec. 26.

Stewart, William D., and J. H. Standen, Yonkers, assignors to The B. F. Goodrich Company, New York, N. Y. N,N'-polythioamines as pesticides. 2,501,191, Mar. 21.

Stewart, William D., and J. H. Standen, Yonkers, assignors to The B. F. Goodrich Company, New York, N. Y. Insecticidal composition comprising a dodecahydro acridane. 2,510,431, June 6.

Stewart, William D., and J. H. Standen, Yonkers, assignors to The B. F. Goodrich Company, New York, N. Y. Textile materials made mildew resistant with di-(4-hydroxychlorophenyl) dimethyl methane. 2,530,792, Nov. 21.

Stewart, William H., assignee: *See*—
Hall, Ward T.

Stewart, William T., Berkeley, assignor to California Research Corporation, San Francisco, Calif. Production of selenomercaptans. 2,510,765, June 6.

Stewart, Willis G., assignor to Midgage Models Inc., Portsmouth, R. I. Model passenger railway car truck. 2,522,317, Sept. 12.

Stewart, Wilson M., Ottawa, Ontario, Canada. Vending machine. 2,514,681, July 11.

Steynor, Dudley V., assignor to Verdik Limited, High Wycombe, England. Air inlet valve for internal-combustion engines. 2,519,607, Aug. 22.

Stibbe, G., & Co. Limited, assignee: *See*—
Palmer, George.

Stibbe, Edward V., and B. Smith, Leicester, England. Circular knitting machine of the independent needle type. 2,495,872, Jan. 31.

Stibits, Lewis J., Philadelphia, Pa. Toolholder. 2,505,013, Apr. 25.

Stibitz, Bert M.: *See*—
Brassington, Charles B., and Stibitz.

Stibitz, George R.: *See*—
Entz, Ferdinand S., Pullis, and Stibitz.

Sticelber, Merlin A., Kansas City, Mo., assignor to Stickelber & Sons, Inc. Refrigerated dough mixer. 2,504,465, Apr. 18.

Sticelber, Merlin A., Kansas City, Mo., assignor to Stickelber & Sons, Inc. Water-cooling device. 2,507,387, May 9.

Stickelber & Sons, Inc., assignee: *See*—
Sticelber, Merlin A.

Stickland, Arthur E.: *See*—
Brooke, Lloyd F., Langlois, and Stickland.

Stickney, Fernald S., West Caldwell, N. J. Socket for thermionic tubes. 2,514,562, July 11.

Stickney, Fernald S., West Caldwell, N. J. Spring postal scale. 2,518,197, Aug. 8.

Stieber, Harry C.: *See*—
Johnson, Harry V., and Stieber.

Stiefvater, Gerhard W., Chico, Calif. Machine for cutting almonds. 2,506,117, May 2.

Stieger, Helmut J., Brough, England. Delivery vehicle. 2,527,774, Oct. 31.

Stier, Joseph B., New York, N. Y. Egg mold. 2,497,280, Feb. 14.

Stier, Joseph B., New York, N. Y. Combined bag, seat, and back rest. 2,509,537, May 30.

Stierlin, Hans, Zurich, Switzerland. Absorption refrigerating apparatus. 2,529,113, Nov. 7.

Stievater, Leonard, Jr., Scotch Plains, N. J., and P. Strecher, New York, N. Y., assignors to Merck & Co., Inc., Rahway, N. J. Enriched foodstuffs. 2,508,477, May 23.

Stiff, Bernard G. E.: *See*—
Stiff, John M., and Bernard G. E.

Stiff, John M., Arlington, and B. G. E. Stiff, Malden, Mass. Automobile accessory. 2,493,170, Jan. 3.

Stigen, Alf L., assignor to Aktiebolaget Separator, Stockholm, Sweden. Producing aromatized butter by cooling rich cream, and product thereof. 2,529,232, Nov. 7.

Stigler, Oren, assignee: *See*—
Bauder, Henry W.

Stigsgaard, Svend: *See*—
Möllerhöj, Johannes S., and Stigsgaard.

Stigter, Willem H.: *See*—
Van Weenen, Franciscus L., and Stigter.

Stigter, Willem H., Eindhoven, Netherlands, assignor to Hartford National Bank & Trust Company, Hartford, Conn., as trustee. Shell-shaped heater with regenerator for hot-gas engines. 2,535,522, Dec. 26.

Stiles, Alan R.: *See*—
Rust, Frederick F., Stiles, and Vaughan.

Stiles, Grace E., Staten Island, N. Y. Garment. 2,524,609, Oct. 3.

Stiles, LeConie, Seattle, Wash. Icing machine. 2,522,847, Sept. 19.

Still, Elmer G., Livermose, Calif. Fluid propulsion means for aircraft. 2,531,748, Nov. 28.

Still, Kathleen S., Chicago, Ill. Container. 2,494,456; Jan. 10.

Stiller, Paul: *See*—
Altman, Bernard, and Stiller.

Stiller, Paul, assignee: *See*—
Machleder, Irving.

Stiller, Rudolf H., Derby, N. Y. Trailer mounted boat support. 2,494,110; Jan. 10.

Stillinger, Ralph G., Houston, Tex., assignor to Shell Development Company, San Francisco, Calif. Tube testing device. 2,507,124, May 9.

Stillman, Nathan: *See*—
Wachter, Aaron, and Stillman.

Stillwagon, George B., Jr., assignor of one-half to K. G. Fraser, Dayton, Ohio. Cover for universal joints. 2,534,635, Dec. 19.

Stilmar, Frederic B., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Vat dyes of the anthraquinone 1,3,4-oxdiazole series. 2,511,018, June 13.

Stilmar, Frederic B., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Vat dyes of the anthraquinone 1,3,4-oxdiazole series. 2,511,019, June 13.

Stilmar, Frederic B., Woodstown, and W. S. Struve, Carneys Point, N. J., and R. N. Lulek, Silverside Heights, Del., assignors to the United States of America as represented by the United States Atomic Energy Commission. Perhalogenated ethylcyclopentane. 2,503,077, Apr. 4.

Stilmar, Frederic B., Woodstown, and W. S. Struve, Carneys Point, N. J., and R. N. Lulek, Silverside Heights, Del., assignors to the United States of America as represented by the United States Atomic Energy Commission. Cyclic compounds and making. 2,503,078, Apr. 4.

Stilphen, Lee E., Plymouth, N. H. Voltage regulator. 2,514,908, July 11.

Stilson, Edgar L., Cheshire, assignor to The Bristol Company, Waterbury, Conn. Control apparatus for evaporators. 2,519,608, Aug. 22.

Stilson, Homer O., Santa Barbara, Calif. Extensible and contractible enclosure device. 2,501,359, Mar. 21.

Stilwell, Bernyce, Honolulu, T. H. Passbook. 2,526,093, Oct. 17.

Stilwell, Glenn E., Riverside, assignor to Food Machinery and Chemical Corporation, San Jose, Calif. Crate-making machine. 2,511,020, June 13.

Stimmel, Samuel, Bronx, N. Y. Shipping container with provision for protecting corners of contents. 2,526,052, Oct. 17.

Stimson, Allen G.: *See*—
Taylor, Clement F., McCarty, and Stimson.

Stimson, Allen G., Lynnfield, Mass., assignor to General Electric Company. Spring toggle mechanism. 2,496,896, Feb. 7.

Stimson, Allen G., Lynnfield, Mass., assignor to General Electric Company. Vest pocket exposure meter having louvers, light cell, and instrument magnet in contacting layers. 2,501,547, Mar. 21.

Stimson, Noel O., Los Angeles, Calif. Hollow hair curler. 2,499,285, Feb. 28.

Stindt, Frederick, Cliffside Park, N. J. Fluid driven centrifugal machine. 2,517,452, Aug. 1.

Stine, Glynn L.: *See*—
Williams, Richard J., and Stine.
Williams, Richard J., Stine, and Matthael.

Stine, Harrison M.: *See*—
Hughes, Everett C., and Stine.

Stine, James B., assignor to Kraft Foods Company, Chicago, Ill. Emmenthaler cheese. 2,494,636, Jan. 17.

Stine, James B., assignor to Kraft Foods Company, Chicago, Ill. Cheese manufacture. 2,494,637, Jan. 17.

Stine, James B., assignor to Kraft Foods Company, Chicago, Ill. Manufacture of American type cheese. 2,494,638, Jan. 17.

Stine, Lester G., and C. A. Hurst, Jr., Harrisburg, Pa. Receptacle for ice cream cartons. 2,498,016, Feb. 21.

Stinger, William H.: *See*—
Woodcock, Charles H., and Stinger.
Stokes, Victor O.: *See*—
Green, Ernest, and Stokes.

Stinnett, William R., Dallas, Tex. Weight controlled seismographic combustion deflection. 2,507,230, May 9.

Stinson, John H.: *See*—
Fletcher, Dean, Stinson, and Gray.

Stinson, Thane K., Belleville, assignor, by mesne assignments, to C. K. William & Co., East St. Louis, Ill. Bleaching barytes. 2,522,971, Sept. 12.

Stipsky, Edward E., U. S. Navy, Hooper, Nebr. Ship's compass mounting. 2,493,043, Jan. 3.

Stirn, Frank E.: *See*—
Yen, Ernest C., and Stirn.

Stirn, Frank E., Pearl River, assignor to American Cyanamid Company, New York, N. Y. Powder dispenser. 2,534,636, Dec. 19.

Stiteler, Charles H., Philadelphia, Pa., and J. R. Little, Passaic, N. J., assignors to United States Rubber Company, New York, N. Y. Preparation of ketones by catalytic reaction of ethylene and aldehydes. 2,517,732, Aug. 8.

Stiteler, William H., Brawley, Calif. Fertilizer spreader machine. 2,522,693, Sept. 19.

Stites, Harry C.: *See*—
Finneran, James E., Jr., and Stites.

Stitt, Roger H., Long Lake, assignor to United States Gypsum Company, Chicago, Ill. Ornamental tile. 2,513,972, July 4.

Stivason, William L.: *See*—
Feiler, John C., and Stivason.

Stivín, Jiří, Celakovice, near Prague, Czechoslovakia. Electric circuits. 2,507,282, May 9.

Stivín, Jiří, Rychnov u Jablonce nad Nisou, Czechoslovakia. Sealing of vessels of electronic discharge devices. 2,514,976, July 11.

Stivín, Jiří, Rychnov near Jablonec nad Nisou, Czechoslovakia. Electron discharge device. 2,518,090, Aug. 8.

Stobb, Anton, Union Township, Hunterdon County, N. J., assignor to R. Hoe & Co., Inc., New York, N. Y. Printing machine. 2,518,575, Aug. 15.

Stober, Kenneth E.: *See*—
Amos, James L., and Stober.

Stober, Kenneth E., and J. L. Amos, assignors to The Dow Chemical Company, Midland, Mich. Polymerizing styrene. 2,530,409, Nov. 21.

Stock, F. W., & Sons, Inc., assignee: *See*—
Stock, Harold F.

Stock, Harold F., assignor to F. W. Stock & Sons, Inc., Hilisdale, Mich. Feed conveyer for doughnut machines. 2,527,687, Oct. 31.

Stockard, John M., Washington, D. C. Rotary pump and motor hydraulic transmission drive. 2,511,882, June 20.

Stockbarger, Donald C., Belmont, N. Y., and A. A. Blanchard, Brookline, Mass., assignors, by mesne assignments, to Research Corporation, New York, N. Y. Purification of certain alkaline earth halides and crystal products thereof. 2,498,186, Feb. 21.

Stockdale, Harry C., Ravena, Ohio, assignor to Food Machinery and Chemical Corporation. Spray gun swivel mount. 2,511,021, June 13.

Stockfeld, Harry H., New York, N. Y. Tape printing and projecting device. 2,519,004, Aug. 15.

Stockinger, Paul P., assignor to Bendix Aviation Corporation, South Bend, Ind. Carbon pile temperature device. 2,523,788, Sept. 26.

Stoddard, Charles R., assignee: *See*—
Walling, Lawrence J.

Stoddard, Glen W., Grant Township, Tama County, Iowa. Cornpicking machine. 2,515,808, July 18.

Stoddard, Harold K., assignor, by mesne assignments, to Ransburg Electro-Coating Corp., Indianapolis, Ind. Apparatus for coating articles. 2,526,780, Oct. 24.

Stoddard, Vine, Jesup, Iowa. Foldable gaff hook. 2,496,822, Feb. 7.

Stoddard, William B., Jr., assignor to The Champion Paper and Fibre Company, Hamilton, Ohio. Soldering method for positioning strip material. 2,530,552, Nov. 21.

Stoddard, William B., Jr., assignor to The Champion Paper and Fibre Company, Hamilton, Ohio. Electrodeposition of nickel. 2,533,532, Dec. 12.

Stoddard, William B., Jr., assignor to The Champion Paper and Fibre Company, Hamilton, Ohio. Forming a strongly adherent electrodeposit. 2,533,533, Dec. 12.

Stodola, Edwin K., Neptune, N. J., assignor to the United States of America as represented by the Secretary of War. Radio receiver with pulse sharpening system. 2,524,851, Oct. 10.

Stodola, Edwin K., Neptune, N. J., assignor to the United States of America as represented by the Secretary of War. Radar receiver automatic gain control circuit. 2,532,347, Dec. 5.

Stodola, Frank H.: *See*—
Lockwood, Lewis B., and Stodola.

Stodola, Frank H., J. L. Wachtel and R. D. Coghill, Peoria, Ill., assignors to the United States of America as represented by the Director of the Office of Scientific Research and Development. Derivatives of parahydroxypenicillin G. 2,504,161, Apr. 18.

Stoecklin, Edward J., Cincinnati, Ohio. Pneumatic conveyer tube joint. 2,519,203, Aug. 15.

Stoelting, Carl R., Oconomowoc, O. E. Stamberg, Waukesha, and E. F. Vilter, assignors to Industrial Research Laboratories, Milwaukee, Wis. Continuous freezing machine. 2,535,462, Dec. 26.

Stoertz, Edwin F.: *See*—
Hess, Frederic O., Maud, and Stoertz.

Stof, Gustav F., Salzburg, Austria, assignor of one-half to A. Gnehm, Bozeman, Mont. Ski bike. 2,528,397, Oct. 31.

Stofer, Willard E.: *See*—
Heller, Herman S., and Stofer.

Stohr, Robert W., assignor to The Carborundum Company, Niagara Falls, N. Y. Metallurgical briquette. 2,497,745, Feb. 14.

Stoiber, Joseph, assignor to Eastman Kodak Company, Rochester, N. Y. Clamping device. 2,500,048, Mar. 7.

Stoiber, Joseph, assignor to Eastman Kodak Company, Rochester, N. Y. Front shutter reflex camera. 2,503,777, Apr. 11.

Stoiner, Stephen, Cleveland, Ohio. Cushion heel. 2,532,742, Dec. 5.

Stoker, Carl W.: *See*—
Campbell, Charles H., Ferito, and Stoker.

Stoker Company, assignee: *See*—
Bacheldor, William.

Stoker, Riley, Corporation, assignee: *See*—
Hesse, Adolf.

Stokes, Charles A., Wellesley Hills, assignor to Godfrey L. Cabot, Inc., Boston, Mass. Air conducting unit for carbon black furnaces. 2,507,580, May 16.

Stokes, F. J., Machine Company, assignee: *See*—
Bailey, Lawrence H.
Flosdorf, Earl W.
Stevenson, Gustie.
Stokes, Francis J., Jr., and Bailey.

Stokes, Francis J.: *See*—
Flosdorf, Earl W., and Stokes.

Stokes, Francis J., Jr., Philadelphia, and L. H. Bailey, Cheltenham, Pa., assignors to F. J. Stokes Machine Company. Press for molding annular stepped articles. 2,499,980, Mar. 7.

Stokes, Izetta, Belmont, Calif. Doll. 2,498,141, Feb. 21.

Stokes, Jerry C., assignee: *See*—
Sproat, Arleigh C.

Stokes, John C., assignor to Reed Roller Bit Company, Houston, Tex. Drill bit. 2,496,421, Feb. 7.

Stokes, John C., assignor to Reed Roller Bit Company, Houston, Tex. Core catcher. 2,502,762, Apr. 4.

Stokes, John C., assignor to Reed Roller Bit Company, Houston, Tex. Bearing assembly. 2,519,716, Aug. 22.

Stokes, John C., assignor to Reed Roller Bit Company, Houston, Tex. Formation testing apparatus. 2,528,981, Nov. 7.

Stokes, John C., and C. C. Goolsbee, assignors to Reed Roller Bit Company, Houston, Tex. Quick-change slush nozzle. 2,531,749, Nov. 28.

Stokes, Richard P.: *See*—
Shanklin, Dunbar L., and Stokes.

Stokes, William S., Tarzana, Calif. Pocket lighter construction. 2,498,142, Feb. 21.

Stolberg, Sven A., Chicago, Ill., assignor, by mesne assignments, to Raytheon Manufacturing Company, Newton, Mass. Repeat device for automatic phonographs. 2,511,604, June 13.

Stolberg, Sven A., Chicago, Ill., assignor, by mesne assignments, to Raytheon Manufacturing Company, Newton, Mass. Repeat device for automatic phonographs. 2,517,050, Aug. 1.

Stolberg, Sven A., Chicago, Ill., assignor, by mesne assignments, to Raytheon Manufacturing Company, Newton, Mass. Automatic phonograph. 2,529,474, Nov. 7.

Stolen, Ingebright, Wessington Springs, S. Dak. Winged drag hitch for harrows. 2,519,717, Aug. 22.

Stoll, Arthur, and A. Hofmann, assignors to Sandoz Limited, Basel, Switzerland. Alkyl-sulfonic acid salts of dihydroergocornine. 2,507,829, May 16.

Stoll, Arthur, and A. Hofmann, assignors to Sandoz, Limited, Basel, Switzerland. Methane sulfonic acid salt of dihydroergotamine. 2,507,830, May 16.

Stoll, Arthur, and A. Hofmann, assignors to Sandoz Limited, Basel, Switzerland. Alkyl-sulfonic acid salts of dihydroergocryptine. 2,507,831, May 16.

Stoll, Arthur, and A. Hofmann, assignors to Sandoz Limited, Basel, Switzerland. Water-soluble salts of dihydroergocristine. 2,507,832, May 16.

Stoll, Arthur, and A. Hofmann, assignors to Sandoz Limited, Basel, Switzerland. Alkylsulfonic acid salts of dihydroergosine. 2,507,833, May 16.

Stoll, Arthur, A. Hofmann, and F. Troxler, assignors to Sandox Limited, Basel, Switzerland. Urethanes containing the lysergic acid ring system and making same. 2,533,698, Dec. 12.

Stoll, Arthur, A. Hofmann, and F. Troxler, assignors to Sandoz Limited, Basel, Switzerland. Amines containing the ring system of lysergic acid or dihydrolysergic acid and making same. 2,533,699, Dec. 12.

Stoll, Max, assignor to Firmenich & Co., successeurs de la Société Anonyme M. Naef & Cie, Geneva, Switzerland. Preparation of beta - methyl - cyclopenta - decanone. 2,526,171, Oct. 17.

Stoll, Max, assignor to Firmenich & Co., Successeurs de la societe anonyme M. Naef & Cie., Geneva, Switzerland. Preparation of cyclic 1,2-ketols having 10 to 18 carbon atoms in ring. 2,529,825, Nov. 14.

Stoll, Victor, New York, N. Y. Dental surveyor and coordinator. 2,510,152, June 6.

Stollenwerk, Harry A., Milwaukee, Wis. Adjustable bracket. 2,510,433, June 6.

Stoller, Ben J., Green Bay, Wis. Mechanical pencil. 2,505,438, Apr. 25.

Stoller, Benjamin B., assignor to Lennys Foods, Inc., Duluth, Minn. Production of sprouted legumes. 2,522,409, Sept. 12.

Stoller, Hugh M.: *See*—
Morton, Edmund R., and Stoller.

Stollery, Matthew N., Paddington, near Sydney, New South Wales, Australia. Signaling apparatus for automobiles. 2,498,307, Feb. 21.

Stollsteimer, Frederick J., Miami, Fla. Rotary food shredder and grater. 2,504,900, Apr. 18.

Stolp, William J.: *See*—
Rowe, Oliver R., King, and Stolp.
Rowe, Oliver R., and Stolp.

Stoltenberg, Glenn R., Baltimore, Md., assignor, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission. High-speed mercury diffusion pump. 2,499,839, Mar. 7.

Stoltz, Bert R., assignee: *See*—
Waddell, John W., and Stoltz.

Stoltzfus, Jacob R., Belleville, Pa. Milk can cart. 2,526,295, Oct. 17.

Stolz, Owen M., assignor of one-third to J. D. Yeck and one-third to A. D. Roush, Dayton, Ohio. Sheet metal building. 2,505,343, Apr. 25.

Stolz, Paul L., assignee: *See*—
Wise, Eugene P.

Stolze, William J., Astoria, N. Y., assignor to Radio Corporation of America. Centering circuit for television receivers. 2,494,457; Jan. 10.

Stolze, William J., Astoria, N. Y.. and F. C. Gow, Chicago, Ill., assignors to Radio Corporation of America. Expander-contractor amplifier system. 2,509,705, May 30.

Stolzoff, Sally N., Milwaukee, Wis. Adjustable partition. 2,504,466, Apr. 18.

Stomps, Albert H.: *See*—
Kooij, Marinus V., and Stomps.

Stone, Albert F., Stockton, Calif. Pencil holder and sharpener. 2,501,295, Mar. 21.

Stone, Albert L., Palos Verdes Estates, Calif., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Supporting and sealing member. 2,493,556, Jan. 3.

Stone, Albert L., Palos Verdes Estates, Calif., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Elevator for pipes. 2,496,360, Feb. 7.

Stone, Albert L., Palos Verdes Estates, Calif. Drill bit. 2,497,144. Feb. 14

Stone, Albert L., Palos Verdes Estates, Calif., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Apparatus for spinning pipe. 2,518,398, Aug. 8.

Stone, Albert L., Palos Verdes Estates, Calif., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Pipe spinner. 2,523,159, Sept. 19.

Stone, Albert M., Brookline, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Electrical breakdown device of the cavity resonator type. 2,526,911, Oct. 24.

Stone, Albert R., Anneslie, Md., assignor to Gerotor May Corporation. Piston valve. 2,500,883, Mar. 14.

Stone, Albert R., Baltimore, Md., assignor to Gerotor May Corporation. Stress indicator for bolts or studs. 2,503,141, Apr. 4.

Stone, Albert R., Baltimore, Md. Vehicle control. 2,507,484, May 9.

Stone, Albert R., Anneslie, and A. G. Winchester, Baltimore, Md., assignors to Gerotor May Corporation. Auxiliary ship steering apparatus. 2,512,119, June 20.

Stone, Arthur E., Richmond, Calif. Toy rubber band projecting gun. 2,505,591, Apr. 25.

Stone, Bruce C., Fairmont, W. Va. Rigid awning. 2,533,846, Dec. 12.

Stone, Carl R., and E. A. Fredrickson, assignors to Crane Co., Chicago, Ill. Sink waste fitting. 2,528,919, Nov. 7.

Stone, Cecil C.: *See*—
Bader, Charles L., and Stone.

Stone, Donald C.: *See*—
Gunther, Roland E., Kohn, and Stone.

Stone, Herbert G., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Preparing N,N'-diphenyl-p-phenylenediamine. 2,503,778, Apr. 11.

Stone, John M.: *See*—
Underwood, Arthur F., and Stone.

Stone, John T., Baltimore, Md. Regular and irregular shapes cutting machine. 2,508,730, May 23.

Stone, Joseph E., Cleveland Heights, Ohio, assignor to General Electric Company. Mount structure for electric lamps. 2,497,567, Feb. 14.

Stone, Joseph E., Cleveland Heights, and J. O. Geissbuhler, South Euclid, Ohio, assignors to General Electric Company. Mount structure for electric lamps. 2,497,566,, Feb. 14.

Stone, Julian D., assignor, by mesne assignments of one-half to himself and one-half to G. W. Lovell, Nashville, Tenn. Book joint creasing machine. 2,508,585. May 23.

Stone, Lawrence E., Cleveland Heights, Ohio. Head covering. 2,519,512, Aug. 22.

Stone, Lawrence L.: *See*—
Feiner, Jacob S., and Stone.

Stone, Leland G., assignor to The Magnavox Company, Fort Wayne, Ind. Lattice type grille. 2,520,222, Aug. 29.

Stone, Maxwell E., West Orange, N. J. Dental mouth prop. 2,528,458, Oct. 31.

Stone, Morris D., assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Method and apparatus for processing strip metal. 2,526,296, Oct. 17.

Stone, Natalie G., assignee: *See*—
Wilcher, Abrasha, and Gordon.

Stone, Robert H., assignor, by mesne assignments, to Ransburg Electro-Coating Corp., Indianapolis, Ind. Spray coating electrode structure. 2,531,542, Nov. 28.

Stone, Robert L., Ligonier, Pa., assignor to the United States of America, as represented by the administrator, Civilian Production Administration. Production of ceramic articles. 2,524,739, Oct. 3.

Stone, Robert L., Guilford, and A. L. Anderson, assignors to The Soundscriber Corporation, New Haven, Conn. Method of and apparatus for sound equalization in dictating machines. 2,528,457, Oct. 31.

Stone, Robert L., Guilford, and F. E. Runge, Branford, assignors to The Soundscriber Corporation, New Haven, Conn. Foot pedal arrangement for controlling phonograph transcriber switches. 2,535,021, Dec. 19.

Stone, Robert P., Griggstown, N. J., assignor to Radio Corporation of America. Cavity resonator electron discharge apparatus. 2,508,695, May 23.

Stone, Robert S., Cleveland, Ohio. Sled construction. 2,520,861, Aug. 29.

Stone, Roy A., assignor to National Lock Company, Rockford, Ill. Snap-in roller. 2,505,592, Apr. 25.

Stone, Roy A., assignor to National Lock Company, Rockford, Ill. Roller mounting. 2,525,971, Oct. 17.

Stone, Sink J., Swannanoa, N. C. Circuit breaker. 2,529,195, Nov. 7.

Stone, Vonden M., Sharon, W. Va. Oil well fishing tool. 2,507,058, May 9.

Stone, Warren B., Phoenix, Ariz. Swinging telephone bracket. 2,535,330, Dec. 26.

Stone & Webster Engineering Corporation, assignee: *See*—
Schutt, Herman C.

Stone, Wilfred S., assignee: *See*—
Hilton, Earl J.

Stone, William E., Shrewsbury, assignor to Rice Barton Corporation, Worcester, Mass. Paper winding machine. 2,498,224. Feb. 21.

Stonehouse, Earl, Larimore, N. Dak. Divided flow blower associated air flow control system. 2,511,382, June 13.

Stoner, Arthur M., West Hartford, assignor to The Jacobs Manufacturing Company, Hartford, Conn. Lathe chuck. 2,508,731, May 23.

Stoner, Arthur M., West Hartford, assignor to The Hartford Products Corporation, Hartford, Conn. Fruit juice extractor with a pivotally mounted rotatable reamer. 2,535,553, Dec. 26.

Stoner, Frank, Peninsula, assignor to The Baker-Raulang Company, Cleveland, Ohio. Power-driven hand truck. 2,507,357, May 9.

Stoner, George H., and C. K. Stedman, Seattle, Wash., assignors to Boeing Airplane Company. Null-balance frequency meter. 2,523,399, Sept. 26.

Stoner, Harry B., Aurora, Ill. Vending machine. 2,529,196, Nov. 7.

Stoner, Justus S.: *See*—
Luitjens, Alvin H., and Stoner.

Stong, Karl K.: *See*—
Matthias, Lynn H., and Stong.

Stonich, William H., Boulder Junction, Wis. Fish stringer. 2,523,974, Sept. 26.

Stonor, Charles R. P., Liverpool, England, assignor to Automatic Electric Laboratories Inc., Chicago, Ill. Decoupling circuit for electronic discharge devices. 2,500,300, Mar. 14.

Stookey, Nelson J., Central City, Iowa. Tank heater. 2,520,576, Aug. 29.

Stookey, Stanley D., assignor to Corning Glass Works, Corning, N. Y. Glass tube and composition. 2,503,140, Apr. 4.

Stookey, Stanley D., assignor to Corning Glass Works, Corning, N. Y. Photosensitive glass. 2,515,275, July 18.

Stookey, Stanley D., assignor to Corning Glass Works, Corning, N. Y. Photosensitive gold glass and making it. 2,515,937, July 18.

Stookey, Stanley D., assignor to Corning Glass Works, Corning, N. Y. Photosensitive copper glass and making it. 2,515,938, July 18.

Stookey, Stanley D., assignor to Corning Glass Works, Corning, N. Y. Opacifiable photosensitive glasses. 2,515,939, July 18.
Stookey, Stanley D., assignor to Corning Glass Works, Corning, N. Y. Photosensitive opal glass. 2,515,940, July 18.
Stookey, Stanley D., assignor to Corning Glass Works, Corning, N. Y. Photosensitive opal glass. 2,515,941. July 18.
Stookey, Stanley D., Assignor to Corning Glass Works, Corning, N. Y. Photosensitive glass containing palladium. 2,515,942, July 18.
Stookey, Stanley D., assignor to Corning Glass Works, Corning, N. Y. Photosensitive glass article and composition and making it. 2,515,943, July 18.
Stoops, Charles E.: *See*—
Schulze, Walter A., and Stoops.
Stoops, Chester W., Washington, D. C. Variable rejection filter. 2,520,177, Aug. 29.
Stoops, Marion W., Normal, assignor to Eureka Williams Corporation, Bloomington, Ill. Vacuum cleaner attachment tool kit. 2,497,477, Feb. 14.
Stop-Fire Inc., assignee: *See*—
Nurkiewicz, Ignatius.
Stopka, Viktor, Hrusov nad Odrou, assignor to Spolek pro chemickou a lutni vyrobu, narodni podnik-United Chemical and Metallurgical Works, National Corporation, Prague, Czechoslovakia. Producing ceramic bodies having longitudinal passages. 2,506,244, May 2.
Stopkevyc, Dmitro C., Omaha, Nebr. Pontoon assembly. 2,518,091, Aug. 8.
Stop-Motion Devices Corp., assignee: *See*—
Vossen, Edward.
Stoppani A.-G., assignee: *See*—
Wydler, Hermann.
Stora Kopparbergs Bergslags Aktiebolag, assignee: *See*—
Haglund, Ture R.
Larsson, Eric J., and Jonsson.
Storberg, Samuel G., St. Paul, Minn. Sanding device. 2,529,197, Nov. 7.
Storch, Harold A., Pontiac, assignor to Evans Products Company, Detroit, Mich. Wear strip and floor ring. 2,532,743, Dec. 5.
Storch, Max H., Belle Harbor, N. Y. Feeding mechanism for fountain pens. 2,495,080, Jan. 17.
Storer, John E., Jr.: *See*—
McDowall, Charles J., Storer, Jr., and Richards.
Storer, Richard M., Denver, Colo. Fastening device. 2,503,305, Apr. 11.
Storer, Richard M., Denver, Colo. Ice tray and grid therefor. 2,503,306. Apr. 11.
Storer, Richard M., Denver, Colo. Ice tray and grid assembly. 2,507,835, May 16.
Storer, Richard M., and W. A. McGrew, Denver, Colo. Multiple compartment refrigerator. 2,507,834, May 16.
Storey, Alonzo B., Jr.: *See*—
Johnson, Clarance L., Hawkins, Jr., and Storey, Jr.
Storey Brothers and Company Limited, assignee: *See*—
Dowbiggin, Alan.
Storey, Everett, Chicago, Ill. Toy explosive. 2,530,317, Nov. 14.
Storey, Frank E., Grosse Pointe Woods, assignor to Packard Motor Car Company, Detroit, Mich. Garment hanger support for vehicles. 2,526,095, Oct. 17.
Storin, Gordon K.: *See*—
Casciani, Ferri, and Storin.
Stork, Gilbert J.: *See*—
Foreman, Emanuel L., and Stork.
Storm, André W., Sydney, New South Wales, Australia, assignor to Hartford National Bank & Trust Company, Hartford, Conn., as trustee. Resistance capacitance oscillator. 2,504,603, Apr. 18.
Storm, André W., and G. Mak, Sydney, New South Wales, Australia, assignors to Hartford National Bank & Trust Company, Hartford, Conn., as trustee. Radiant energy method and apparatus for measuring the velocity of moving bodies. 2,524,610, Oct. 3.
Storm, Frederick K., Jr., Los Angeles, Calif. Vacuum cleaner. 2,524,117. Oct. 3.
Storm, Herbert F., Milwaukee, Wis., assignor to Sunbeam Corporation. Control arrangement for a high-frequency heating device. 2,528,798, Nov. 7.
Storm, Herbert F., Schenectady, N. Y., assignor to General Electric Company. Chuck magnetizing and demagnetizing control system. 2,529,198, Nov. 7.
Storm, Herbert F., Schenectady, N. Y., assignor to General Electric Company. Welding control system. 2,532,825, Dec. 5.
Storm, Herbert F., Scotia, N. Y., assignor to Sunbeam Corporation, Chicago, Ill. Control system for high-frequency induction heating apparatus. 2,521,880, Sept. 12.
Storm, Herbert F., West Allis, Wis., assignor to Sunbeam Corporation. Embedded element sole plate. 2,528,019, Oct. 31.
Storm, Lynn W., Houston, Tex. Jar. 2,499,695, Mar. 7.
Storm Vulcan Company, Inc., assignee: *See*—
Olsson, Oloy J. E.
Stormont, Joseph E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Liquid level control. 2,508,434, May 23.
Stormon, Dean B., assignor to Hooker Electrochemical Company, Niagara Falls, N. Y. Production of hexachlorocyclohexane. 2,499,120, Feb. 28.
Storner, Frederick W., Chicago, Ill. Cigarette and cigar holder. 2,513,118, June 27.
Storrs, Ernest N., Asbury Park, N. J. Mount support. 2,524,405, Oct. 3.
Storrs, Kindred L., Salt Lake City, Utah. Distillation method and apparatus. 2,525,051, Oct. 10.
Story, Edward B., Bethel Township, Allegheny County, assignor to A. M. Byers Company, Pittsburgh, Pa. Bessemerizing of ferrous metal. 2,501,832, Mar. 28.
Story, Howard T., Phoenix, Ariz. Production of subject matter for blueprinting purposes. 2,509,847, May 30.
Story, Theodore H., Merchantille, N. J., assignor to Radio Corporation of America. Electronic heating apparatus and method. 2,498,383, Feb. 21.
Story, Theodore H., Merchantville, N. J., assignor to Radio Corporation of America. Device for radio frequency treatment of filamentary material. 2,503,779, Apr. 11.
Stott, Louis L., assignor to The Polymer Corporation, Reading, Pa. Method and apparatus for molding polyamides and similar thermoplastic materials. 2,505,807, May 2.
Stott, Guy W., Huntington Park, Calif. Catsup dispenser. 2,513,973, July 4.
Stott, Louis L., assignor to The Polymer Corporation, Reading, Pa. Fabricating nylon bushings. 2,518,504, Aug. 15.
Stott, Louis L., assignor to The Polymer Corporation, Reading, Pa. Fabrication of articles from polyamides by hot working. 2,525,972, Oct. 17.
Stott, Norman, Ashton-under-Lyne, England. Device for bending sheet metal, strip metal, wire, and the like. 2,525,625, Oct. 10.
Stouder, William H.: *See*—
Emmert, Clayton F., and Stouder.
Stoudt, Bernard, assignor to Ames Spot Welder Co., Inc., Brooklyn, N. Y. Self-adjusting pneumatic pressure switch. 2,499,262, Feb. 28.
Stouffer, Herbert W.: *See*—
Stouffer, Ray C. and H. W.
Stouffer, Ray C., Buffalo, N. Y., and H. W. Stouffer, Fort Erie, Ontario, Canada. Rivet-stem gripping and pulling mechanism. 2,525,626, Oct. 10.
Stout, Earl R.: *See*—
Jacob, Frederick N., Stout, and Miller.
Stout, George A., Detroit, Mich. Insert for the counter portion of boots or shoes. 2,505,593, Apr. 25.
Stout, Harold E., West Leesport, assignor to Textile Trimming & Boarding Machine Company, Reading, Pa. Mobile trimming apparatus. 2,513,119, June 27.
Stout Irrigation, Inc., assignee: *See*—
Stout, William H., and Terrill, Jr.
Stout, James E., Mount Dora, Fla. Automatic phonograph. 2,506,523, May 2.
Stout, Paul R.: *See*—
Dunlop, Andrew P., and Stout.
Stout, William H.: *See*—
De Monde, Adrian J., and Stout.
Stout, William H., and J. B. Terrill, Jr.; said Terrill assignor to Stout Irrigation, Inc., Portland, Oreg. Automatic drain valve. 2,512,694, June 27.
Stout, William H., and J. B. Terrill, Jr.; said Terrill assignor to Stout Irrigation, Inc., Portland, Oreg. Drain valve for pipe lines. 2,512,695, June 27.
Stovall, Kenneth L., Coos Bay, Oreg. Oil filter unit. 2,495,031, Jan. 17.
Stover, Emory F., Wynnewood, Pa. Fluid meter. 2,494,781, Jan. 17.
Stover, Emory F., Wynnewood, Pa. Fluid meter. 2,509,078, May 23.
Stover, Fred N., Los Angeles, Calif. Transmission mechanism. 2,503,521, Apr. 11.
Stover, Harry E., assignor to Anchor Hocking Glass Corporation, Lancaster, Ohio. Machine and method for hermetically sealing closure caps to containers. 2,529,199 Nov. 7.
Stover, Hugh I., Glendale, Calif. Grille. 2,500,330, Mar. 14.
Stover, Orman C., Waterloo, Iowa. Hot material vending machine. 2,532,204, Nov. 28.
Stover, Wilfred H., Neptune Beach, Fla. Figured toy. 2,528,920, Nov. 7.
Stover, William A.: *See*—
Candler, Arthur V. B., and Stover.
Stover, William A., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Production of aliphatic nitriles. 2,518,397, Aug. 8.
Stover, William A., and A. N. Sachanen, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Fluoroalkylthiophenes. 2,515,139, July 11.
Stover, William J., Detroit, Mich. Exterminator protecting device. 2,532,681, Dec. 5.
Stovers, Bessie T., Palo Alto, Calif. Ironer. 2,501,747, Mar. 28.
Stovers, Bessie T., Palo Alto, Calif. Ironing cord holder. 2,506,246, May 2.
Stowe, Clarence H., Milwaukee, Wis. Die for molding washerlike objects. 2,510,810, June 6.
Stowe, Clarence H., Milwaukee, Wis. Apparatus for molding thermosetting plastic materials. 2,510,841, June 6.

Stowell, Flaxney P., Buxton, England, assignor to Imperial Chemical Industries Limited. Preparing dust of slaked lime and a halophenoxycarboxylate weed killer. 2,497,636, Feb. 14.
Stracener, William H.: *See*— Lauricella, John W., and Stracener.
Stracener, William H., Teaneck, and P. F. Bechberger, Tenafly, assignors to Bendix Aviation Corporation, Teterboro, N. J. Shock mount for electric regulators. 2,518,198, Aug. 8.
Strachan, Ronald M., Cleveland, Ohio. Dental stimulator. 2,527,857, Oct. 31.
Strachovsky, Nikita B., assignor to Lord Manufacturing Company, Erie, Pa. Universal joint. 2,504,750, Apr. 18.
Strader, Franklin N.: *See*— Turner, Edgar P., and Strader.
Strader, Leroy F., Long Beach, Calif., assignor, by mesne assignments, to Houdry Process Corporation, Wilmington, Del. Catalyst regeneration apparatus. 2,493,784; Jan. 10.
Strader, Leroy F., Long Beach, Calif., assignor, by mesne assignments, to Houdry Process Corporation, Wilmington, Del. Prevention of afterburning in a moving bed catalyst regeneration process. 2,495,786, Jan. 31.
Straight, Halver R., Adel, Iowa. Apparatus for solvent extraction of oil from oil-bearing seeds. 2,517,143, Aug. 1.
Strain, Daniel E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Treatment of polymeric materials. 2,534,078, Dec. 12.
Strain, Daniel E., Wilmington, and H. Peterson, Newport, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Granular polymers and their preparation. 2,534,079, Dec. 12.
Strain, Franklin, Barberton, Ohio, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Carbamate esters. 2,528,398, Oct. 31.
Strain, Franklin, Norton Center, Ohio, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. N-substituted carbamic acid esters. 2,528,399, Oct. 31.
Strain, George H., Seafood, England. Vibrating apparatus. 2,512,120, June 20.
Strain, William H., Rochester, N. Y., and J. Dec, Martinsville, N. J., assignors to Eli Lilly and Company, Indianapolis, Ind. N-substituted poly-iodo phthalimides. 2,508,418, May 23.
Straley, James M., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Solid diazo complexes. 2,498,722, Feb. 28.
Straley, James M., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Diazotype containing as the azo component a quaternary salt of 2-methyl-6-methoxybenzoselenazole. 2,532,744, Dec. 5.
Straley, James M., Kingsport, Tenn., assignor to General Aniline & Film Corporation, New York, N. Y. Diazo sulfonate light-sensitive element containing a diketone azo component. 2,500,099, Mar. 7.
Strambini, Christina, Bronx, N. Y. Hat clasp. 2,498,225, Feb. 21.
Stranak, Michael Murray, Ky. Artificial casting bait. 2,505,922. May 2.
Stranberg, Don F., assignor to Anchor Coupling Company, Inc., Libertyville, Ill. Sleeve type tube coupling. 2,511,134, June 13.
Strand, Bert F., Jr., Toledo, Ohio. Child's spring chair. 2,521,422. Sept. 5.
Strand, Carl P., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Selective solvent separation of unsaturated hydrocarbons. 2,515,140, July 11.
Strandberg, Charles H.: *See*— Castor, Thomas D., Dillman, Fehring, and Strandberg.
Strandberg, Joel G.: *See*— Bechik, Michael, and Strandberg.
Strandberg, Oscar M., Enskede, Sweden. Manufacturing handles for carrying bags and the like. 2,529,976, Nov. 14.
Strandskov, Frede B.: *See*— Marks, Henry C., and Strandskov.
Strang, John M., assignor to Barr & Stroud, Limited, Glasgow, Scotland. Submarine periscope. 2,534,884, Dec. 19.
Strange, John P., Wilkinsburg, assignor to Mine Safety Appliances Company, Pittsburgh, Pa. Multiple sampling valve circuit. 2,506,394, May 2.
Strange, Merwin H., assignee: *See*— Shields, Stanley R., and Keller.
Strasburger, Le Roy V., Baltimore, Md. Foods. 2 530,212, Nov 14.
Strassenburg, Eric, Bronx, N. Y. Vegetable cutter. 2,519,409, Aug. 22.
Strassenburg, Eric, Bronx, N. Y. Device for cutting onions or other vegetables. 2,522,143, Sept. 12.
Strate-Line Company, assignee: *See*— Kamp, Paul B.
Strathmoor Company, The, assignee: *See*— Smith, Royal A.
Stratos Corporation, assignee: *See*— Dineen, John.
Stratton, Andrew, Welling, England. Impedance measuring device utilizing oscillatory electric circuits. 2,513,530, July 4.
Stratton, Carlos G., assignee: *See*— Damuth, Fred G.
Stratton, Frank E.: *See*— Chase, Ernest E., Nokes, Stratton, and Goodhue.
Stratton, James C., Raton, N. Mex. Mud cleaning apparatus. 2,530,916, Nov. 21.
Straub, Carl, Avoca, Nebr. Wagon box strain reducer. 2,506,395, May 2.
Straub, Fritz, Kaiseraugst, W. Hanhart, Reihen, and E. Mannhart, Basel, Switzerland, assignors to Ciba Limited. Azo-dyestuffs and making same. 2,494,416; Jan. 10.
Straub, W. F., & Company, assignee: *See*— Straub, Walter F.
Straub, Walter F., assignor to W. F. Straub & Company, Chicago, Ill. Coconut product and method. 2,505,746, Apr. 25.
Strauch, Ella M., Denver, Colo. Device for giving ice massages. 2,502,182, Mar. 28.
Strauchen, David M., and M. Garvin, assignors to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Heat-treating machine. 2,523,885, Sept. 26.
Straughn, James B., Silver Spring, Md. Retouching device. 2,495,146, Jan. 17.
Straus, Henry A.: *See*— Sherwin, Chalmers W., and Straus.
Straus, Henry A., Baltimore, Md., assignor to the United States of America as represented by the United States Atomic Energy Commission. Tachometer. 2,531,833, Nov. 28.
Straus, Nathan, New York, N. Y. Curtain rod bracket. 2,498,590, Feb. 21.
Strauss, David L., assignor of one-third to E. D. Phillips, Boise City, Okla. Flexible disk plow. 2,518,646, Aug. 15.
Strauss, Frederic L., Woodhaven, N. Y. Ignition system tester. 2,496,823, Feb. 7.
Strauss, Harold R., Chicago, Ill. Mattress. 2,527,107, Oct. 24.
Strauss Import Corp., assignee: *See*— Strauss, Walter.
Strauss, Irving, Bridgeport, Conn., and G. O. Kaye, Forest Hills, assignors to Tone Products Corporation of America, New York, N. Y. Record player. 2,516,353, July 25.
Strauss, John T., Los Angeles, Calif. Compound nozzle. 2,521,490, Sept. 5.
Strauss, Lewis L., New York, N. Y. Insect harvester. 2,526,781. Oct. 24.
Strauss, Orville L., and C. J. Wegner, La Porte, Ind., assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Web position controlling device for web material treating machines. 2,534,686, Dec. 19.
Strauss, Theodore O., New York, N. Y. Chuck mounting means. 2,524,852. Oct. 10.
Strauss, Walter, Bronx, assignor to Strauss Import Corp., New York, N. Y. Leather button. 2,508,897, May 23.
Straussberger, John H., deceased, Sound Beach; Hamilton National Bank, executor, assignor to Julius Kayser & Co., New York, N. Y. Changing the width of a knitted fabric during the knitting operation. 2,507,533, May 16.
Straussberger, John H., deceased, Chattanooga, Tenn.; Hamilton National Bank, executor, assignor to Julius Kayser & Co., New York, N. Y. Changing the width of a knitted fabric during the knitting operation. 2,507,534, May 16.
Straussler, Nicholas, London, England. Strut or stay. 2,525,244, Oct. 10.
Straw, Harry H.: *See*— Lovell, Stanley P., and Straw.
Strawinski, Raymond J., Long Beach, Calif., assignor to Texaco Development Corporation, New York, N. Y. Desulfurizing crude oil. 2,521,761, Sept. 12.
Strawn, Max: *See*— White, Francis B., and Strawn.
Streader, William J., Portslade, England. Fluid-operated press. 2,502,288, Mar. 28.
Streader, William J., assignor to A. E. Tate, Portslade, England. Anchorage for cables. 2,533,064, Dec. 5.
Stream, Ralph M.: *See*— Simison, Allen L., Billman, and Stream.
Streb, Robert J., Baltimore County, assignor to Bendix Aviation Corporation, Towson, Md. Socket for radio tubes. 2,522,907. Sept. 19.
Strebe, Frank C., and M. C. Eliason, Los Angeles, Calif. Space heater. 2,517,255. Aug. 1.
Strech, Johny P., and L. M. Gish, Joplin, Mo., said Gish assignor to said Strech. Tire bead and rim separating hand tool. 2,509,945, May 30.
Streck, Clemens, Loudonville, assignor to General Aniline & Film Corporation, New York, N. Y. Acid after-treatment of metallized resorcinol-azo dyes further coupled on the fiber. 2,515,743, July 18.
Strecker, Herman A.: *See*— Kimball, Charles N., Lewis, and Strecker.
Streckfus, John G., and H. Godwin, Baltimore, Md. Manufacturing printing and coating rollers. 2,518,834, Aug. 15.
Streed, David D. M.: *See*— Van Buskirk, Edward C., Streed, and Flood.
Street, Albert B., New Haven, Conn. Photographic flash bulb tester. 2,501,548, Mar. 21.

Street, Horace R., University Heights, assignor to G. A. Wiltse, Cleveland, Ohio. Pouring jacket for molds. 2,498,015, Feb. 21.
Street, John N., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Coagulation process and apparatus. 2,495,147, Jan. 17.
Streeter-Amet Company, assignee: *See*—
Jarvis, Kenneth W.
Streeter, Edward C., Jr., Old Westbury, N. Y., assignor to The Sperry Corporation. Synthesized stereoscopic range indication. 2,501,748, Mar. 28.
Streeter, Royal A.: *See*—
Livingood, John J., Peters, and Streeter.
Strehlow, Chester D., Spokane, Wash. Grain regulator. 2,513,215, June 27.
Streicher, Johann S., East Orange, assignor to T. G. Jungersen, Summit, N. J. Making a phosphate gel and mold with phosphate gel binder. 2,522,548, Sept. 19.
Streifthau, Edgar, Middletown, Ohio. Bicycle pedal. 2,512,841, June 27.
Streiler, Sylvester B., St. Louis, Mo. Combination toothbrush handle and dental floss holder. 2,517,806, Aug. 8.
Streitwieser, Henry E., Venango, Nebr. Combined float and casting weight. 2,509,704, May 30.
Strelecky, Andrew J., Bridgeport, Conn. Foot exerciser. 2,512,904, June 27.
Stremel, Raymond A., Concord, assignor to Yuba Manufacturing Company, San Francisco, Calif. Electric motor control system. 2,507,870, May 16.
Stresen-Reuter, John H., Golf, Ill., assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn. Carburetor. 2,509,994, May 30.
Stresen-Reuter, John H., Golf, Ill., assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn. Carburetor. 2,525,083, Oct. 10.
Stresen-Reuter, John H., Meriden, assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn. Flow restricting device. 2,502,602, Apr. 4.
Stretch, Albert T., Jr., assignor to Switlik Parachute Company, Inc., Trenton, N. J. Pilot chute ejector. 2,495,393, Jan. 24.
Strezynski, George J., Chicago, Ill., assignor to The De Laval Separator Company, New York, N. Y. Centrifugal bowl. 2,500,100, Mar. 7.
Strezynski, George J., Chicago, Ill., assignor to The De Laval Separator Company, New York, N. Y. Concentration of albumen from whey. 2,500,101, Mar. 7.
Strezynski, George J., Chicago, Ill., assignor to The De Laval Separator Company, New York, N. Y. Bearing assembly. 2,513,686, July 4.
Strezynski, George J., Poughkeepsie, assignor to The De Laval Separator Company, New York, N. Y. Production of malt extract. 2,513,687, July 4.
Strezynski, George J., Poughkeepsie, assignor to The De Laval Separator Company, New York, N. Y. Recovery of lactalbumin. 2,520,615, Aug. 29.
Strezynski, George J., Red Oak Mills, assignor to The De Laval Separator Company, New York, N. Y. Flushing assembly for centrifugal separators. 2,518,436, Aug. 8.
Stribley, Josephine M.: *See*—
Lake, George R., and Stribley.
Stribling, Sidney, San Francisco, Calif. Dry cleaning machine. 2,495,488, Jan. 24.
Stricker, William H., Sand Springs, Okla. Fisherman's plug retriever. 2,494,012; Jan. 10.
Strickhouser, Sherman I., Edgewood, R. I., assignor to United States Rubber Company, New York, N. Y. Making rubber coated fabric articles. 2,526,431, Oct. 17.
Strickland, Barney R.: *See*—
McClennan, John K., and Strickland.
Strickland, Barney R., Westfield, and E. H. Lewis, Union, N. J., assignors to Standard Oil Development Company. Stabilizing gasoline. 2,525,152, Oct. 10.
Strickland, Claude R., St. Petersburg, Fla. Spraying apparatus. 2,512,782, June 27.
Strickland, Gerald, Medford, N. Y., assignor to the United States of America as represented by the United States Atomic Energy Commission. Carrier for radioactive slugs. 2,514,909, July 11.
Strickland, Harold A., Jr., Detroit, Mich., assignor, by mesne assignments, to The Ohio Crankshaft Company, Cleveland, Ohio. Induction furnace push-out rod. 2,495,787, Jan. 31.
Strickland, Harold A., Jr., Detroit, Mich., assignor, by mesne assignments, to The Ohio Crankshaft Company, Cleveland, Ohio. Power unit sequence control. 2,505,808, May 2.
Strickland, Harold A., Jr., Detroit, Mich., assignor, by mesne assignments, to The Ohio Crankshaft Company, Cleveland, Ohio. Induction heating coil. 2,513,376, July 4.
Strickland, Harold A., Jr., Detroit, Mich, assignor, by mesne assignments, to The Ohio Crankshaft Company, Cleveland, Ohio. Induction heat-treating apparatus. 2,517,607, Aug. 8.
Strickland, Harold A., Jr., Grosse Pointe, B. R. Purvin, and D. W. Riddell, Detroit, Mich., assignors, by mesne assignments, to The Ohio Crankshaft Company, Cleveland, Ohio. Article heating and delivery apparatus. 2,493,785; Jan. 10.
Strickland, Hector F., Macon, Ga. Auto window garnish mold cover. 2,504,234, Apr. 18.
Strickland, Henry R., Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Bearing and seal assembly for turbines. 2,496,897, Feb. 7.
Strickland, Raymond I.: *See*—
Hagenbuch, Paul G., and Strickland.
Strickland, Raymond I., Greenbelt, Md., and H. A. Knox, Washington, D. C. Brake controlled differential for skid steering of vehicles. 2,528,559, Nov. 7.
Strickler, Abraham: *See*—
Teeple, John H., and Strickler.
Strickler, Herbert M., Danville, Ky. Producing upholstery formations. 2,524,640, Oct. 3.
Strickler, Walter B.: *See*—
Lukacs, Joseph J., and Strickler.
Strike, Louis N., assignee: *See*—
Pearson, Edwin I.
Pearson, Otto H.
Stringfield, Raymond B.: *See*—
Jewell, Howard W., Calder, and Stringfield.
Stripling, John B., Beaumont, Tex., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Regeneration of caustic solutions. 2,515,141, July 11.
Stritter, Karl A., Nahant, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for sewing shoes or sole units. 2,505,158, Apr. 25.
Stritter, Karl A., Nahant, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Shoe with folded striated upper edge. 2,522,646, Sept. 19.
Strobel, Charles K., Pittsburgh, Pa., assignor to Robertshaw-Fulton Controls Company. Safety control and ignition apparatus for gaseous fuel burners. 2,510,264, June 6.
Strobel, Charles K., Pittsburgh, Pa., assignor to Robertshaw-Fulton Controls Company. Ignition and control system for fuel burners. 2,510,265, June 6.
Strobel, Charles K., Pittsburgh, Pa., assignor to Robertshaw-Fulton Controls Company. Flash tube igniting device for gaseous fuel burners. 2,512,393, June 20.
Strobel, Charles K., Pittsburgh, assignor to Robertshaw-Fulton Controls Company, Youngwood, Pa. Safety control and ignition system for gaseous fuel burners. 2,513,257, June 27.
Strobel, Charles K., Pittsburgh, Pa., assignor to Robertshaw-Fulton Controls Company. Safety control and ignition apparatus for gaseous fuel burners. 2,515,476, July 18.
Strobel, Howard M., New York, N. Y. Inertia control system for indicators. 2,511,485, June 13.
Strobel, Rudolph W., Pittsfield, Mass., assignor to General Electric Company. Adjustable clamping device. 2,499,981, Mar. 7.
Strobell, John D., New Haven, Conn. Chain-driven ratchet wrench. 2,530,553, Nov. 21.
Strobino, Gaston M., Chicago, Ill. Gyroscopic ship roll indicator. 2,519,718, Aug. 22.
Stroburg, Clark E., Blockton, Iowa. Brush moving device for generators. 2,495,430, Jan. 24.
Strode, Robert L., Jr.: *See*—
Britain, Aubrey A., and Strode, Jr.
Stroeve, John C., Sumner, Wash. Apricot splitter using rotating holder and yieldable knife. 2,525,245, Oct. 10.
Stroh, Grace R., Schenectady, assignor to American Cyanamid Company, New York, N. Y. Ion exchange materials. 2,515,142, July 11.
Strom, Albert P., and T. E. Browne, Jr., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,504,901, Apr. 18.
Strom, Albert P., Pittsburgh, and C. F. Hill, Edgewood, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Self-generated gas blast circuit interrupter embodying polyethylene. 2,516,026, July 18.
Strom, Albert P., and L. J. Berberich, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburg, Pa. Circuit interrupter embodying polytetrafluoroethylene. 2,531,007, Nov. 21.
Strom, Robert, Queens Village, N. Y. BX cable connector. 2,535,658, Dec. 26.
Stromberg-Carlson Company, assignee: *See*—
Arndt, Melvin J.
Ciambrone, Frederick P., and Goral.
Dewar, James R.
Goldberg, Harold, and De Mers.
Goldberg, Harold, and Thompson.
Grant, John P.
Harris, Leslie M., Jr.
Jones, Roy W.
Krumhansl, James A.
Krumhansl, James A., and Goldberg.
Larsen, Merwin J.
Miller, Glenn H.
Miller, Rudolph G., and Holstrom.
Morris, Frank A.
Powell, Winfred T.
Slaymaker, Frank H., and Meeker.
Talpey, Richard G.
Trousdale, Robert B.
Stromiska, Joseph F., Merrimac, Wis. Trigger for jumping animal traps. 2,498,463, Feb. 21.
Strong, Charles E.: *See*—
Earp, Charles W., and Strong.

Strong, Charles E., and L. J. Heaton-Armstrong, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Radio navigational system. 2,510,723, June 6.
Strong, Earl G., Milan, Ohio. Bowling pin elevating and resetting mechanism. 2,528,560, Nov. 7.
Strong, Edward W., South Gate, Calif. Toy aircraft. 2,513,688, July 4.
Strong, Elmer, Springfield, Mo. Chicken feeder. 2,514,910, July 11.
Strong, James H., Yardley, Pa. Paper parachute. 2,495,873, Jan. 31.
Strong, John G., Milwaukee, Wis. Rod retriever assembly. 2,528,799, Nov. 7.
Strong, Robert M., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system for Diesel-electric locomotives. 2,501,360, Mar. 21.
Strong, Walter J., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Apparatus for trimming protuberances from tires. 2,524,489, Oct. 3.
Stronstorff, Albert H., Racine, Wis., assignor to Reynolds Metals Company, Richmond, Va. Aircraft flight time and mileage computer. 2,508,898, May 23.
Stroop, John H., New York, N. Y., assignor to Specialties Development Corporation, Bloomfield, N. J. Pressure release device. 2,500,214, Mar. 14.
Stroop, John H., New York, N. Y., assignor to Specialties Development Corporation, Bloomfield, N. J. Gas dispensing device with pilot valve controlled outlet valve. 2,513,377, July 4.
Stroop, John H., New York, N. Y., assignor to Specialties Development Corporation, Belleville, N. J. Safety discharge device for valves. 2,516,159. July 25.
Stroop, John H., New York, N. Y., assignor to Specialties Development Corporation, Bloomfield, N. J. Valve for containers and the like. 2,520,976, Sept. 5.
Strope, Russell B.: *See*—
Sturges, Frank C., and Strope.
Stropie, Ralph D., and H. E. Josephson, Gloucester, Mass. Collapsible flower stand. 2,504,902, Apr. 18.
Strother, Blonda O., Detroit, Mich. Steering system. 2,512,979, June 27.
Strother, Corneille O., Buffalo, and G. H. Wagner, Kenmore, N. Y., assignors to The Linde Air Products Company. Preparation of vinyl silicon chlorides. 2,532,430, Dec. 5.
Strother, Fred P., Minneapolis, Minn., assignor to Sears, Roebuck & Co., Chicago, Ill. Coffee maker. 2,507,283, May 9.
Strother, Fred P., Minneapolis, and B. A. Coss, St. Louis Park, assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Variable transformer pick-off. 2,507,836, May 16.
Stroud, Robert, Toronto, assignor to Niagara Screens & Machines Limited, York County, Ontario, Canada. Screen vibrating mechanism. 2,528,620, Nov. 7.
Strouse, Ethel, New York, N. Y. Bridge element for catamenial devices. 2,534,885, Dec. 19.
Strozinski, Anthony J., Elmira Heights, N. Y., assignor to Bendix Aviation Corporation. Engine starter drive. 2,502,395, Mar. 28.
Strub, Richard: *See*—
Patry, Jean, and Strub.
Strub, René, La Chaux-de-Fonds, Switzerland. Gas turbine plant. 2,499,232, Feb. 28.
Struble, Albert, Llanerch, Upper Darby, and M. L. Moffitt, Jr., Havertown, Pa. Headrest protector. 2,497,698, Feb. 14.
Struckmann, Holger, Kingsport, Tenn. Apparatus for conveying pulverized material. 2,498,143, Feb. 21.
Strumbos, William, Detroit, Mich. Cigarette holder for automobiles. 2,514,014, July 4.
Strumbos, William, Detroit, Mich. Cigarette case for steering wheels of automobiles. 2,514,102, July 4.
Strupe, Cecil H., Cleveland, Ohio, assignor to WFL Drum Company, Chicago, Ill. Strainer or drum snare tensioning mechanism. 2,517,144, Aug. 1.
Struthers, Donald K., and G. W. Schroeder, Des Moines, Iowa. Tractor mounted manure loader. 2,503,522, Apr. 11.
Struthers, George W.: *See*—
Smith, Waverly Q., and Struthers.
Struthers Wells Corporation, assignee: *See*—
Embardt, Fred W.
Johnson, Leon H.
Strutt, Maximiliaan J. O.: *See*—
Alma, Gerrit H. P., Knol, Kuiper, Prakke, Strutt, and van der Ziel.
Knol, Kornelis S., Strutt, and vander Ziel.
Knol, Kornelis S., Strutt, van der Ziel, and van Weel.
Van der Ziel, Aldert, and Strutt.
Strutt, Maximiliaan J. O., and A. van der Ziel, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Device for generating ultra high frequency oscillations. 2,510,842, June 6.
Strutt, Maximiliaan J. O., and A. van der Ziel, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Push-pull high-frequency amplifying apparatus. 2,530,636, Nov. 21.
Strutt, Maximiliaan J. O., A. van der Ziel, and K. S. Knol, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. High-frequency electron discharge tube. 2,534,836, Dec. 19.
Struve, William S.: *See*—
Stilmar, Frederic B., Struve, and Lulek.
Struyk, Clifford, Paterson, and S. C. Dollman, Cliffside Park, N. J., assignors to Allied Chemicals & Dye Corporation. Electrodeposition of metals. 2,523,160, Sept. 19.
Struyk, Clifford, Paterson, and S. C. Dollman, Cliffside Park, N. J., assignors to Allied Chemical & Dye Corporation. Electrodeposition of nickel. 2,523,161, Sept 19.
Strysko, George, Flushing, N. Y. Automatic heat control system. 2,511,022, June 13.
Stuart, Alfred A., Jr., Hasbrouck Heights, assignor to Bendix Aviation Corporation, Bendix, N. J. Aerial torpedo. 2,498,772, Feb. 28.
Stuart, Archibald P.: *See*—
Johnson, Herbert L., and Stuart.
Stuart, Charles J., assignor to Moe Brothers Manufacturing Company, Fort Atkinson, Wis. Tube closing apparatus. 2,515,841, July 18.
Stuart, Clarence C., assignor to Traffic Transport Engineering, Inc., Dearborn, Mich. Vehicle spring and axle assembly. 2,517,940, Aug. 8.
Stuart, Clarence C., assignor to Traffic Transport Engineering, Inc., Dearborn, Mich. Auxiliary top with folding seats. 2,535,242, Dec. 26.
Stuart, G. A., assignee: *See*—
Bruen, George C.
Stuart, Joseph, II, assignor to Hercules Powder Company, Wilmington, Del. Tamping machine. 2,515,323, July 18.
Stuart, Joseph, II, assignor to Hercules Powder Company, Wilmington, Del. Electric blasting device. 2,527,858, Oct. 31.
Stuart, Joseph II, assignor to Hercules Powder Company, Wilmington, Del. Extractor provided with means for unloading it. 2,533,296, Dec. 12.
Stuart, Kenneth B., Denver, Colo., assignor to The Colorado Fuel and Iron Corporation. Activated carbon manufacture. 2,501,700, Mar. 28.
Stuart, Meredith R.: *See*—
Heizer, Edward J., and Stuart.
Stuart, Raymond H., Cleveland, Ohio, assignor to General Electric Company. Sealing-in method and apparatus. 2,531,008, Nov. 21.
Stuart, Raymond H., and R. J. Ayres, Cleveland, Ohio, assignors to General Electric Company. Tube end brushing apparatus. 2,531,009, Nov. 21.
Stuart, William W., Des Moines, Iowa. Self-cleaning wet wheel. 2,503,523, Apr. 11.
Stubbins, William H., Ann Arbor, Mich., assignor of one-half to F. L. Kaspar, Riverside, Ill. Cylindrical pipe wood-wind instrument. 2,508,550. May 23.
Stubblebine, Harvey, Spring City, Pa. Braced spreader for fabric treating machines. 2,503,524, Apr. 11.
Stubblebine, Warren, assignor to Armstrong Cork Company, Lancaster, Pa. Hard surface floor and wall covering. 2,519,410, Aug. 22.
Stubbs, Donald M., North Hollywood, Calif. Electric receptacle guard. 2,507,654, May 16.
Stubbs, Joseph J., Frederick, Md., R. E. Feeney, El Cerrito, J. A. Garibaldi, San Francisco, and I. C. Feustel, Berkeley, Calif., assignors to the United States of America as represented by the Secretary of Agriculture. Producing subtilin. 2,524,089, Oct. 3.
Stubbs, William E., Berea, Ohio. Hydraulic wrench. 2,517,941, Aug. 8.
Stuber, Walter J., and J. J. Di Ienno, assignors to Carey-McFall Company, Philadelphia, Pa. Venetian blind mechanism. 2,534,080, Dec. 12.
Stubnitz-Greene Spring Corporation, assignee: *See*—
Stubnitz, Maurice.
Stubnitz, Maurice, assignor to Stubnitz-Greene Spring Corporation, Adrian, Mich. Automobile seat. 2,535,463, Dec. 26.
Stub-Rod Control Corporation of America, assignee: *See*—
Dashkin, Irving, and Randel.
Stuck, Frank L., Lakeland, Fla. Battery pack connection. 2,506,524, May 2.
Stuck, Frank L., deceased, Lakeland, Fla.; I. M. Stuck, executrix, assignor to Electronics Systems Corp. Miniature radio receiver. 2,521,423, Sept. 5.
Stuck, Iva M., executrix: *See*—
Stuck, Frank L.
Stuck, Kenneth H., Buckroe Beach, and H. L. Topping, Portsmouth, Va. Jack. 2,515,744, July 18.
Stucker, Oscar, Morocco, Ind. Sander block. 2,531,588, Nov. 28.
Stuckwisch, Clarence G.: *See*—
Dickey, Joseph B., Bowman, and Stuckwisch.
Studebaker Corporation, The, assignee: *See*—
Churchill, Harold E.
Churchill, Harold E., Haigh, and Zander.
Hasbany, Woodrow A.
Greenlee, Harry R.
Greenlee, Harry R., and Hasbany.
Scherger, Thomas A.
Schrum, Donald J.

Studebaker Machine Co., assignee: *See*—
Ward, Michael F.

Studebaker, Merton L., Bartlesville, Okla., assignor to Phillips Petroleum Company. Carbon black pelleting. 2,503,361, Apr. 11.

Studeny, John, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Preparing monomethylol dicyandiamide. 2,515,143, July 11.

Studer, Julian L., St. Paul, Minn. Wheel positioning device for toy trains. 2,503,890, Apr. 11.

Studli, Hans, Winterthur-Hard, Switzerland. Turret press. 2,504,751; Apr. 18.

Stue, Tryggve B., Oslo, Norway. Portable clamp lock. 2,508,302, May 16.

Stueland, Harold M., East Moline, assignor to Deere & Company, Moline, Ill. Hydraulic power shovel loader. 2,534,886, Dec. 19.

Stuellein, William H: *See*—
Ludwig, Leon R., Stuellein, and Gamel.

Stuellein, William H., East McKeesport, W. S. Hawkins, Wilkinsburg, and G. D. Gamel, Verona, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit breaker. 2,516,027, July 18.

Stuempges, Clark L., Seattle, Wash. Engraving designs in bodies of transparent plastic composition. 2,511,552, June 13.

Stuercke, John B., Chicago, Ill. Fulcrum for loose-leaf binders. 2,505,694, Apr. 25.

Stuhl, Andrew, Navarre, Ohio. Windrowing attachment for lawn mowers. 2,495,032, Jan. 17.

Stukart, Hendrik, La Porte, Ind., assignor to U. S. Slicing Machine Company, Inc. Meat tendering machine. 2,527,038, Oct. 24.

Stukenborg, Edward J., Cincinnati, Ohio. Top bar spectacle mounting. 2,499,795, Mar. 7.

Stukenborg, Louis C., Memphis, Tenn. Head for cotton pickers. 2,521,491, Sept. 5.

Stula, Edmund J., Rockville, Conn. Tobacco spearing machine. 2,495,874, Jan. 31.

Stulen, Foster B., West Orange, N. J., assignor to Curtiss-Wright Corporation. Producing blade constructions and propeller blades. 2,514,525, July 11.

Stull, Norman C., Cisne, Ill. Spring suspension for motor vehicle. 2,507,424, May 9.

Stump, Clare A., Jr., and R. D. Jessee, Lima, Ohio, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit breaker. 2,519,297, Aug. 15.

Stump, Fred L., Seattle, Wash. Integrated airport. 2,522,144, Sept. 12.

Stumpf, Raymond, New Providence, Pa. Grading and excavating machine. 2,508,080, May 16.

Stuphen, Harry D., assignor to R. W. Borrowdale, Chicago, Ill. Container for gears or the like. 2,531,543, Nov. 28.

Sturcke, William, West Englewood, N. J. Weedless fish lure. 2,511,223, June 13.

Sturdevant, Edward N.: *See*—
Bowie, Frank W., and Sturdevant.

Sturdivant, William F., assignee: *See*—
Phipps, John T.

Sturdy, Robert A., assignor to Moorman Manufacturing Company, Quincy, Ill. Insecticidal composition comprising DDT and methoxychlor. 2,535,000, Dec. 19.

Sturges, Arthur H., assignee: *See*—
Shrader, Everett E.

Sturges, Frank C., Pittsburgh, and R. B. Strope, Rennerdale, assignors to Pennsylvania Drilling Company, Pittsburgh, Pa. Core drilling apparatus. 2,531,708, Nov. 28.

Sturgis, Bernard M. Pitman, N. J., and J. J. Verbanc, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Plasticizing rubber. 2,504,903, Apr. 18.

Sturgis, Bernard M., Pitman, N. J., and J. H. Trepagnier, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Vulcanization of isobutylene rubber. 2,518,576, Aug. 15.

Sturk, Earl W., Lansing, Mich. Apparel rack for vehicles. 2,494,318; Jan. 10.

Sturm, Alexander J., Stratford, Wis. Folding bench. 2,493,273, Jan. 3.

Sturm, Milton, & Company: *See*—
Burlin, Leslie H.

Sturm, Milton L., assignee: *See*—
Burlin, Leslie H.
Burlin, Leslie H., and Sturm.

Sturm, Ralph E., and J. R. Cosby, Towson, assignors to Bendix Aviation Corporation, Baltimore, Md. Electric measuring circuit with transient balance control. 2,525,841, Oct. 17.

Sturm, Walter A., Los Angeles, Calif. Bearing cap remover. 2,519,204, Aug. 15.

Sturman, Robert E., Minneapolis, Minn. Window. 2,528,800, Nov. 7.

Sturman, Thelma R., Detroit, Mich. Educational device. 2,506,001, May 2.

Sturrock, Murray G., and T. Lawe, assignors to Dominion Tar & Chemical Company Limited, Montreal, Quebec, Canada. Catalytic processes for producing styrenes and the like from diaryl paraffins. 2,519,719, Aug. 22.

Sturtevant, Mark J., assignor to Wingfoot Corporation, Akron, Ohio. Pneumatic structure. 2,508,303, May 16.

Sturtevant, Mark J., assignor to Wingfoot Corporation, Akron, Ohio. Pneumatic boat structure and manufacturing the same. 2,508,304, May 16.

Sturtevant, Mark J., assignor to Wingfoot Corporation, Akron, Ohio. Inflating tube assembly. 2,533,202, Dec. 5.

Sturtevant Mill Company, assignee: *See*—
Ingle, Edward, Doten, and Cope.

Stuster, Philip J., Huntington Park, Calif. Attachment for sewing machines. 2,533,746, Dec. 12.

Stutsman, Paul W., Needham, assignor to Raytheon Manufacturing Company, Newton, Mass. Gaseous-discharge device. 2,529,233, Nov. 7.

Stutwear, Inc., assignee: *See*—
Jullie, Joseph T.

Stutz, Frederick L.: *See*—
Ford, Ledger D., and Stutz.

Stutz, Robert C., Buffalo, assignor to Niagara Blower Company, New York, N. Y. Apparatus for condensing refrigerants by evaporative cooling. 2,498,017, Feb. 21.

Styll, Harry H., assignor to American Optical Company, Southbridge, Mass. Variable size brace-bar for spectacle mountings. 2,508,872, May 23.

Styll, Harry H., assignor to American Optical Company, Southbridge, Mass. Plastic top arm spectacle frame having metallic inner rims. 2,514,103, July 4.

Stylofede Corporation, assignee: *See*—
Robbins, Jesse J.

Suau, Edouard: *See*—
Jacob, Robert M., and Suau.

Subart, William: *See*—
Stapley, Stephen G., and Subart.

SubbaRow, Yellapragada: *See*—
Hultquist, Martin E., and SubbaRow.

SubbaRow, Yellapragda, deceased, Pearl River, N. Y., and M. E. Hultquist, Bound Brook, N. J.; A. J. Bryant, administrator of said SubbaRow, assignors to American Cyanamid Company, New York, N. Y. Hydroxysulfonamidothiazoles and preparation of the same. 2,525,319, Oct. 10.

Suben, Morten, assignor to Lens-Block Corporation, New York, N. Y. Vacuum lens block. 2,520,977, Sept. 5.

Subkow, Philip, Los Angeles, Calif. Geometrical determination of dip and strike of cored strata. 2,496,422, Feb. 7.

Sublette, Edith S., Nitro, W. Va. Garment drier. 2,521,100, Sept. 5.

Suchke, Frederick M., assignor to Pioneer Heddle & Reed Co., Inc., Atlanta, Ga. Heddle bar support. 2,514,298, July 4.

Sudan, Eugene: *See*—
Wright, John G., Toney, Watkins, and Sudan.

Sudlow, Edmund W., assignee: *See*—
Szper, Jonas A.

Sudman, Israel H., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Electrical control apparatus. 2,530,096, Nov. 14.

Suellentrop, Fred F., assignor to Lemay Machine Company, Lemay, Mo. Apparatus for manufacturing whipped cream. 2,505,439, Apr. 25.

Sues, Carl B., Lancaster, Calif. Lubricating oil supply system. 2,500,716, Mar. 14.

Sues, Carl B., Lancaster, Calif., T. C. Sues, administratrix of said C. B. Sues, deceased. Two-cycle engine, combined pump, and motor cylinder. 2,509,538, May 30.

Sues, Thelma C., administratrix: *See*—
Sues, Carl B.

Suftko, Stanley, Chicago, Ill. Glove turner. 2,534,740, Dec. 19.

Sugarman, Benjamin, assignee: *See*—
Sussin, Max H.

Sugden, John E., Richland Center, Wis. Pitman, crankpin, and boxing for mowing machines. 2,515,910, July 18.

Suggate, Harold G.: *See*—
Kendall, John D., and Suggate.

Suhajda, Emil, assignor to G. H. Bishop Company, Chicago, Ill. Garment buttoning post. 2,498,866, Feb. 28.

Suhr, Fred W., Fort Wayne, Ind., assignor to General Electric Company. Dynamoelectric machine. 2,508,125, May 16.

Suhre, Jerome: *See*—
Loria, Walter J., and Suhre.

Suich, Dorothy M., Altadena, Calif. Bottleholder. 2,522,647, Sept. 19.

Suick, Frank V., Antigo, Wis. Fish bait. 2,525,733, Oct. 10.

Suida, Hermann. Salzburg, Austria. Direct recovery of concentrated acetic acid from wood distillation vapors. 2,509,539, May 30.

Suiter, Will D., Winnsboro, Tex. Apparatus for extracting water from air. 2,499,982, Mar. 7.

Sulek, Steve, San Diego, Calif. Hygienic syringe. 2,531,793, Nov. 28.

Sulentic, Raymond D., Waterloo, Iowa, assignor to Waterloo Valve Spring Compressor Company. Tray chest. 2,501,879, Mar. 28.

Sulkie, Thomas A., assignee: *See*—
Taylor, Francis J., Jr.

Sullivan, Clifford E., Reisterstown, Md. Road sanding machine. 2,529,889, Nov. 14.

Sullivan, Cyril S., Erie, Pa. Sales presentation kit 2,497,826, Feb. 14.

Sullivan, David J., Fairfield, Conn., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Coated fabric and making same. 2,502,353, Mar. 28.
Sullivan, Donald E., Coatesville, Pa. Baby oiler. 2,496,071, Jan. 31.
Sullivan, Donald L., Oshkosh, Wis. Pillow block. 2,508,873, May 23.
Sullivan, Earle C., Bridgeport, Conn., assignor to General Electric Company. Seal between bowls of vacuum type coffee makers. 2,528,253, Oct. 31.
Sullivan, Edward J., assignee: *See*—
Summers, Orran B.
Sullivan, Emmet J., Toledo, Ohio, and J. C. Draper, Ottawa Lake, Mich., assignors to Owens-Illinois Glass Company. Mechanism for releasing molded articles from molds. 2,513,216, June 27.
Sullivan, Francis: *See*—
Phillips, John, and Sullivan.
Sullivan, Francis J., Ansonia, and A. R. Abbott, Shelton, Conn., assignors to Sidney Blumenthal & Co., Inc., New York, N. Y. Shuttle box for looms. 2,494,913, Jan. 17.
Sullivan, Francis J., Ansonia, and A. R. Abbott, Shelton, Conn., assignors to Sidney Blumenthal & Co., Inc., New York, N. Y. Preventing injury in case of loom shuttle stoppage. 2,499,887, Mar. 7.
Sullivan, Horace W., assignee: *See*—
Sullivan, Roy M.
Sullivan, James L., Clinton, Okla. All purpose vehicle carrier and loader. 2,528,672, Nov. 7.
Sullivan, John, Flushing, N. Y. Sterilizing housing for telephones with an ultraviolet lamp. 2,495,034, Jan. 17.
Sullivan, John G., Roseville, and F. R. Smith, assignors to Chamberlin Company of America, Detroit, Mich. Weather strip installation for windows. 2,533,847, Dec. 12.
Sullivan, John J.: *See*—
Shafer, Orville B., and Sullivan.
Sullivan, Joseph F., assignor to The North & Judd Manufacturing Company, New Britain, Conn. Slider fastener. 2,495,033, Jan. 17.
Sullivan, Mathew D., Flint, Mich. Trailer suspension unit. 2,501,974, Mar. 28.
Sullivan, Miles V., U. S. Navy, and J. K. Wolfe, Bethesda, Md. Method of and apparatus for testing the inflammability of fluids. 2,500,964, Mar. 21.
Sullivan, Robert D.: *See*—
Bishop, Eugene T., and Sullivan.
Sullivan, Roy M., Atlanta, assignor of one-half to H. W. Sullivan, Decatur, Ga. Stringed musical instrument. 2,504,752, Apr. 18.
Sullivan, Ruby, Cincinnati, Ohio. Undergarment. 2,526,978, Oct. 24.
Sullivan, Stephen L.: *See*—
Anderson, Nelson E., and Sullivan.
Sullivan, Thomas E., Roseville, assignor of one-half to H. W. Simmons, Avon, Ill. Animal trap. 2,507,284, May 9.
Sullivan, Warren L., and F. G. Wilde, assignors to Paragon Revolute Corporation, Rochester, N. Y. Automatic belt positioner. 2,499,934, Mar. 7.
Sullivan, William G., assignor to The Apex Electrical Manufacturing Co., Cleveland, Ohio. Self-cleaning lint trap. 2,512,394, June 20.
Sully, Bernard T. D., Ewell, assignor to A. Boake Roberts and Company Limited, London, England. Polymerization of compounds containing a terminal methylene group. 2,498,226, Feb. 21.
Sulphide Ore Process Company, Inc., assignee: *See*—
Cain, John R.
Konrad, Erich H., and Eustis.
Sulphite Products Corporation, assignee: *See*—
Pearl, Irwin A.
Sulzer Bros. (London) Limited, assignee: *See*—
Moore, Sydney J.
Sulzer Frères, Société Anonyme, assignee: *See*—
Atteslander, Edouard.
Gubler, Theodor.
Moessinger, Albert.
Rymann, Walter.
Schläpfer, Oscar.
Schmidt, Eugen.
Traupel, Walter.
Waeber, Erwin.
Sulzer, John H.: *See*—
Meyerhoff, Albert J., and Sulzer.
Sulzer, John H., Union Beach, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Protective covering for cables. 2,506,816, May 9.
Suman, Robert W.: *See*—
Bergmann, Richard F., Suman, and Watson.
Suman, Robert W., Chicago, Ill., assignor, by mesne assignments, to Timken Silent Automatic Division, The Timken-Detroit Axle Company, Detroit, Mich. Underfeed stoker, including a rotatable burner head. 2,527,594, Oct. 31.
Suman, Theodore, assignor of one-half to N. W. Schmidt, Dayton, Ohio. Wire-cutting tool. 2,507,059, May 9.
Sumerford, Simpson D., Baton Rouge, La., assignor to Standard Oil Development Company. Synthesis of hydrocarbons. 2,497,964, Feb. 21.
Sumerford, Simpson D., Baton Rouge, La., assignor to Standard Oil Development Company. Production of mercaptans. 2,514,299, July 4.
Summer, Samuel, Albany, N. Y. Outer coat. 2,498,347, Feb. 21.
Summerbell, Edith M., executrix: *See*—
Summerbell, William.
Summerbell, William, Rhein and Hoopes.
Summerbell, William, Washington, D. C.; E. M. Summerbell, executrix of said W. Summerbell, deceased. Fuse. 2,504,163, Apr. 18.
Summerbell, William, Washington D. C., L. J. Rhein, Aberdeen, Md., and O. D. Hoopes, Arlington, Va.; E. M. Summerbell, executrix of said William Summerbell, deceased. Firing mechanism. 2,504,162; Apr. 18.
Summerbell, William, deceased, Washington, D. C., L. J. Rhein, Aberdeen, Md., and O. D. Hoopes, Watervliet, N. Y.; E. M. Summerbell, executrix of said W. Summerbell. Safety for firing mechanisms for cannon using separate loading ammunition. 2,531,483, Nov. 28.
Summerbell, William E.: *See*—
Whitlock, Fred W., and Summerbell.
Summerfield, Roy H., Vancouver, British Columbia, Canada. Vending machine. 2,510,197, June 6.
Summers, Anna M., Pittsburgh, Pa. Vestee. 2,508,732, May 23.
Summers, Gerard H., San Diego, Calif. Ironing board and cabinet. 2,517,256, Aug. 1.
Summers, Klon, Anadarko, Okla. Trailer hitch. 2,516,028, July 18.
Summers, Orran B., Long Beach, Calif., assignor of fifteen per cent to E. J. Sullivan and six per cent to D. A. Ostrander. Shaft seal. 2,526,590, Oct. 17.
Summers, Orran B., Morenci, assignor to Jet Shaft Seals, Inc., Phoenix, Ariz. Sealing device for shafts. 2,494,971. Jan. 17.
Summers, Otto M., Abington, Pa., assignor to The W. W. Boes Company, Dayton, Ohio. Cassette. 2,511,383, June 13.
Summers, Otto M., Glasgow, Ky., assignor to The Thompson Grinder Company, Springfield, Ohio. Filter system. 2,518,835, Aug. 15.
Summers, Russell H.: *See*—
Slifer, Wilmer L., and Summers.
Summers, William J., assignor, by mesne assignments, to Royal Patent Corporation, Chicago, Ill. Coin selector. 2,532,205, Nov. 28.
Summey, Walter A., Bryan, Ohio. Automobile trunk lock. 2,510,201, June 6.
Summit Sound Systems Company, The, assignee: *See*—
Buchholzer, Julius W., and Drabenstott.
Sumner Chemical Company, Inc., assignee: *See*—
Zienty, Mitchell F.
Sumpf, Hans C., Fresno, Calif. Brick machine. 2,524,683, Oct. 3.
Sun Chemical Corporation, assignee: *See*—
Goldstein, Herman B., and Waldman.
Hill, Frederick W.
Kaplan, William.
Pollock, Mark, and Zerner.
Zerner, Ernst, and Pollak.
Sun-Kraft, Inc., assignee: *See*—
Furedy, Frank, and Atkins.
Sun, Kuan-Han: *See*—
Silverman, Alexander, Rothermel, and Sun.
Sun, Kuan-Han, assignor to Eastman Kodak Company, Rochester, N. Y. Fluophosphate glass. 2,511,225, June 13.
Sun, Kuan-Han, Pittsburgh, Pa., assignor to Eastman Kodak Company, Rochester, N. Y. Lead-containing fluophosphate glass. 2,511,227, June 13.
Sun, Kuan-Han, Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Detecting elementary particles. 2,534,932, Dec. 19.
Sun, Kuan-Han, and T. E. Callear, assignors to Eastman Kodak Company, Rochester, N. Y. Ferric fluophosphate glass. 2,496,824, Feb. 7.
Sun, Kuan-Han, and M. L. Huggins, assignors to Eastman Kodak Company, Rochester, N. Y. Fluoride glass. 2,511,224, June 13.
Sun, Kuan-Han, Pittsburgh, Pa., and T. E. Callear, assignors to Eastman Kodak Company, Rochester, N. Y. Fluophosphate glass. 2,511,226, June 13.
Sun, Kuan-Han, Pittsburgh, Pa., and T. E. Callear and P. T. Scharf, assignors to Eastman Kodak Company, Rochester, N. Y. Lead borate glass. 2,511,228, June 13.
Sun Oil Company, assignee: *See*—
Bagsar, Aaron B.
Barnes, William E.
Blake, Norman B.
Chaney, Preston E.
Chaney, Preston E., and Barnes.
Cummings, Leland W. T.
Henson, Robert L., Jr.
Henson, Robert L., Jr., and Millington.
Hetzel, Stanford J.
Hirschler, Alfred E.
Hughes, Edward M.
Johnson, Herbert L., and Bondhus.
Johnson, Herbert L., and Stuart.
Kurtz, Stewart S., Jr.
Marsh, Alfred H.
Quist, Harold A.
Shawhan, Elbert N.
Sun Rubber Company, The, assignee: *See*—
Smith, Thomas W., Jr.

Sun Shipbuilding & Dry Dock Company, assignee: *See*—
Burke, Richard L.
Sun Tube Corporation, assignee: *See*—
Friden, John H.
Sun Tube Corporation, The, assignee: *See*—
Friden, John H.
Sunbeam Corporation, assignee: *See*—
Bartlett, Edwin S.
Jepson, Ivar.
Koci, Ludvik J.
Purpura, August C.
Storm, Herbert F.
Wallerius, John.
Sunbury Wire Rope Manufacturing Company, assignee: *See*—
MacCreadie, William T.
Sundberg, Alfred, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Saw-tooth oscillator. 2,521,762, Sept. 12.
Sundberg, Carl W., Detroit, Mich., assignor to Seeger Refrigerator Company, St. Paul, Minn. Liquid dispensing apparatus. 2,512,395, June 20.
Sundby, Harold C., assignor to Tinius Olsen Testing Machine Company, Philadelphia, Pa. Proving ring. 2,508,975, May 23.
Sunde, Benjamin W., assignor to Blackwell & Sunde, Inc., Long Beach, Calif. Pipe testing plug. 2,526,172, Oct. 17.
Sundén, Karl H., Lindesberg, Sweden. Cartridge magazine for machine pistols and the like. 2,515,809, July 18.
Sunderland, Oswald O.: *See*—
Rosengren, Orvar E., and Sunderland.
Sunderland, Oswald O., Fairfield, Conn. Machine gun fire retarder. 2,509,540, May 30.
Sundholm, Edwin P., assignor to Our Saviour's Evangelical Lutheran Church, Albert City, Iowa. Grease gun loading pail base for grease containers, with cutter and interlock means for said containers. 2,526,708, Oct. 24.
Sundholm, Norman K.: *See*—
Hunter, Byron A., and Sundholm.
Sundholm, Norman K., Naugatuck, Conn., assignor to United States Rubber Company, New York, N. Y. Germicidal composition comprising a 3,5-dimethyl-4-nitrosopyrazole. 2,510,724, June 6.
Sundholm, Norman K., Naugatuck, Conn., and J. B. Skaptason, Hempstead, assignors to United States Rubber Company, New York, N. Y. Fungicidal composition comprising a 3-phenyl-2,4-thiazoledione. 2,510,725, June 6.
Sundholm, Norman K., Naugatuck, Conn., assignor to United States Rubber Company, New York, N. Y. 1-(4-sulfamylphenyl)-3,5-dimethyl-4-nitrosopyrazole and germicidal compositions containing it. 2,510,726, June 6.
Sundman, Frey V.: *See*—
Sevón, Johan W., and Sundman.
Sundstrand, Carl A., Rockford, Ill. Grass clipper. 2,504,164, Apr. 18.
Sundstrand Machine Tool Co., assignee: *See*—
Granberg, Bengt R., and Anderson.
Hoy, John B.
McCarthy, Charles D.
Wahlmark, Gunnar A.
Sundstrand, Oscar J., West Hartford, Conn., assignor to Underwood Corporation, New York, N. Y. Accounting machine. 2,520,070, Aug. 22.
Sundstrom, Carl, and C. T. Patterson, Syracuse, N. Y., assignors to Allied Chemical & Dye Corporation. Apparatus for feeding solid material. 2,525,973, Oct. 17.
Sundstrom, Charles, assignor to Processing Specialties, Inc., Grand Rapids, Mich. Sugar bell mold. 2,498,187, Feb. 21.
Sundstrom, Harold C., Chicago, Ill. Heat sealing device. 2,535,171, Dec. 26.
Sundt, Edward V., Chicago, Ill. Lighting device. 2,506,620, May 9.
Sung, Reginald H. L.: *See*—
Swann, Philip, and Sung.
Sunnen, Joseph, Clayton, Mo. Pump for cutting oil. 2,493,467, Jan. 3.
Sunnen, Joseph, Clayton, Mo. Honing mandrel. 2,532,682, Dec. 5.
Sunroc Refrigeration Company, assignee: *See*—
Barnhart, Blair, and Gott.
Jackson, Joseph G.
Morrison, Orville C., and S. O., Wehrwein, and Gott.
Morrison, Samuel O.
Wehrwein, John G.
Sunseri, Joseph A. J., San Jose, Calif. Conveyer mechanism for apricot cutters. 2,500,648, Mar. 14.
Sunshine Mining Company, assignee: *See*—
Goetz, Alexander.
Sunstein, David E.: *See*—
Mankin, Arthur H., and Sunstein.
Sunstein, David E., Cynwyd, assignor to Philco Corporation, Philadelphia, Pa. Electromagnetic wave amplifier. 2,509,374, May 30.
Sunstein, David E., Cynwyd, Pa., assignor to Philco Corporation. Electrical system. 2,523,162, Sept. 19.
Sunstein, David E., Cynwyd, and A. H. Mankin, assignors, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Cathode-ray tube. 2,533,334, Dec. 12.
Sunstein, David E., Elkins Park, assignor to Philco Corporation, Philadelphia, Pa. Tube testing circuit. 2,494,369; Jan. 10.
Sunstein, David E., Elkins Park, Pa., assignor to Philco Corporation. Electrical system. 2,505,072, Apr. 25.
Sunstein, David E., Elkins Park, assignor to Philco Corporation, Philadelphia, Pa. Microwave oscillator apparatus comprising a velocity modulation tube. 2,512,980, June 27.
Sunstein, David E., Elkins Park, Pa., assignor to Philco Corporation. Mask controlled feedback system for cathode-ray tubes. 2,528,020, Oct. 31.
Sunstein, David E., Elkins Park, and N. Johnson, Lower Merion Township, Montgomery County, assignors, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Ultra high frequency band-pass circuits. 2,518,092, Aug. 8.
Suomi, Verner E., Chicago, Ill. Audio-frequency recorder. 2,521,881, Sept. 12.
Super, Ralph K., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Brake. 2,516,160, July 25.
Super, Ralph K., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Adhesive bonding method. 2,520,978, Sept. 5.
Super-Cut, Inc., assignee: *See*—
Metzger, Leopold H., and Fantozzi.
Super Density Tie Connector Corporation, assignee: *See*—
Mackenzie, Alexander S.
Superdraulic Corporation, assignee: *See*—
Hoffer, James F.
Super Electric Products Corp., assignee: *See*—
Wolfe, John W.
Superflow Manufacturing Corporation, assignee: *See*—
Kromer, Wallace R.
Super-Grip Anchor Bolt Co., Inc., assignee: *See*—
Green, Walter B.
Seely, Llewellyn M.
Superior Carbon Products, Inc., assignee: *See*—
Ward, Richard H.
Superior Coach Corporation, assignee: *See*—
Schofield, Earl L.
Superior Oil Tool Corporation, assignee: *See*—
Francis, James C., Jr.
Superior Steel Corporation, assignee: *See*—
Keene, Walter L., and Carlson.
Superior Tube Company, assignee: *See*—
Nase, Benjamin M.
Wiese, Donald H.
Superior Valve and Fttings Company, assignee: *See*—
Forbes, John S.
Super Mold Corporation of California, assignee: *See*—
Glynn, Edwin A.
Super Six Mfg. Inc., assignee: *See*—
Pollard, Ernest C.
Super Speed Printing Machinery, Inc., assignee: *See*—
Adrian, Joseph.
Supitilov, Michael C., assignor to Operadio Manufacturing Co., St. Charles, Ill. Sound and picture system with manual and electrical advance of the film in response to a film deformation. 2,526,516, Oct. 17.
Supject, Anthony B., Kalamazoo, Mich. Insulator mounting for current carrying wires. 2,501,921, Mar. 28.
Suprasol Limited, assignee: *See*—
Greenleaf, Nathaniel B.
Supreme Enterprise, Incorporated, assignee: *See*—
Firestone, Jack.
Sureau, Robert F. M.: *See*—
Petitcolas, Pierre.
Surface, Carl F., Des Moines, Iowa. Colostomy control device. 2,510,766, June 6.
Surface Combustion Corporation, assignee: *See*—
Knight, Philip L.
Owen, Charles C.
Parkes, Alfred G.
Surface, Oliver R., assignee: *See*—
Surface, Oliver.
Surface, Oliver, assignor of 45 per cent to O. R. Surface, Shawnee, Okla. Crib for infants. 2,507,060, May 9.
Surgical Appliance Industries, Inc., assignee: *See*—
Herron, Truman A.
Surgident, Ltd., assignee: *See*—
Boeger, Henry F.
Surks, Jacob, Brooklyn, N. Y. Mailing tube closure. 2,521,613, Sept. 5.
Surmatis, Joseph D., assignor, by mesne assignments, to Chemical Development Corporation, Boston, Mass. Polystyrene resin and polymerization process. 2,499,796, Mar. 7.
Surmatis, Joseph D., Nutley, and W. Kimel, Highland Park, assignors to Hoffman-La Roche Inc., Nutley, N. J. Synthesis of thiolactones. 2,519,720, Aug. 22.
Surprenant, Joseph L., Drummondville, Quebec, Canada. Paper-cutting machine. 2,506,750, May 9.
Surratt, Billie M., assignor of one-third to S. W. Surratt and one-third to F. M. Massey, Dade City, Fla. Shield for agricultural implements. 2,503,079, Apr. 4.
Surratt, Samuel W., assignee: *See*—
Surratt, Billie M.
Surre, Milton S., and S. Csencsics, Erie, Pa.; said Csencsics assignor to said Surre. Truing device. 2,526,096, Oct. 17.
Surrey, Alexander R.: *See*—
Buck, Johannes S., Suter, and Surrey.

Surrey, Alexander R., Albany County, and R. A. Cutler, Rensselaer County, N. Y., assignors to Sterling Drug Inc., Wilmington, Del. α-phenyl-α-(4-quinolyl) acetonitriles and their preparation. 2,519,411, Aug. 22.

Surrey, Alexander R., Albany, N. Y., assignor to Sterling Drug Inc., Wilmington, Del. 2,3-diaryl-4-thiazolidones and their preparation. 2,520,178, Aug. 29.

Surrey, Alexander R., Albany County, assignor to Sterling Drug Inc., New York, N. Y. 4-thiazolidones and preparation thereof. 2,520,179, Aug. 29.

Surrey, Alexander R., Albany, N. Y., assignor to Sterling Drug Inc., Wilmington, Del. 9-[2-(2-hydroxyethylamino)ethylamino] acridine and its production. 2,531,010, Nov. 21.

Surrey, Alexander R., Albany, N. Y., assignor to Sterling Drug Inc., Wilmington, Del. 3-chloro-9-[2-(2-hydroxyethylamino)-ethylamino] acidine and its production. 2,531,011, Nov. 21.

Surrey, Alexander R., Albany, N. Y., assignor to Sterling Drug Inc., Wilmington, Del. 9-[2-(2-hydroxyethylamino)-ethylamino]-2-methoxyacridine and its production. 2,531,012, Nov. 21.

Surrey, Alexander R., Albany, N. Y., assignor to Sterling Drug Inc., Wilmington, Del. 9-[3-(2-hydroxyethylamino)-propylamino]-2-methoxyacridine and its production. 2,531,013, Nov. 21.

Surridge, Louis F., Detroit, Mich. Window lock. 2,524,940, Oct. 10.

Suska, Charles R., assignor to Aero Supply Mfg. Co. Inc., Corry, Pa. Lost motion adjustment for drive release couplings. 2,509,541, May 30.

Suska, Charles R., assignor to Aero Supply Mfg. Co., Inc., Corry, Pa. Temperature controlled mixing valve-diaphragm type. 2,511,792, June 13.

Suska, Charles R., assignor to Aero Supply Mfg. Co. Inc., Corry, Pa. Master lever and synchronizable multiple control. 2,516,433, July 25.

Sussenbach, Paul, assignor to The Presstite Engineering Company, St. Louis, Mo. Sealing composition. 2,510,727, June 6.

Sussin, David, South Fort Mitchell, assignor to The Kelley-Koett Manufacturing Company, Covington, Ky. X-ray illuminating mechanism. 2,534,637, Dec. 19.

Sussin, Max H., assignor to B. Sugarman, Chicago, Ill. Photoengraving copyholder. 2,512,182, June 20.

Sussin, Max H., assignor to Benjamin Sugarman, Chicago, Ill. Photoengraving lamp carrier. 2,519,609, Aug. 22.

Sussin, Max H., assignor to Benjamin Sugarman, Chicago, Ill. Film holder for photo-process cameras. 2,519,610, Aug. 22.

Sussin, Victor, Chicago, Ill., assignor to American Type Founders Incorporated, Elizabeth, N. J. Copyholder for cameras. 2,523,735, Sept. 26.

Sussman, Harry, Little Neck, N. Y., assignor to Radio Corporation of America. Radio receiver system. 2,493,093, Jan. 3.

Sussman, Sidney, Moorestown, N. J., assignor to The Permutit Company, New York, N. Y. Anion exchange resins. 2,518,956, Aug. 15.

Suter, Chester M.: *See*—
Buck, Johannes S., Suter, and Surrey.
Clinton, Raymond O., and Suter.

Suter, Gottlieb, Zurich, Switzerland. Vise having jaw recesses for mounting auxiliary jaw elements. 2,515,533, July 18.

Suter, Hans, assignor to Cilag Limited, Schaffhausen, Switzerland. 4′(β-ethyl)-morphonline ester of nicotinic acid and its production. 2,501,858, Mar. 28.

Suter, John F.: *See*—
Penn, George R., Jr., and Suter.

Suthard, James G., and R. A. Robinson, Long Beach, Calif., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Apparatus for mixing. 2,527,689, Oct. 31.

Sutherland, Daniel M., assignor to E. M. and D. C. Sutherland, Morrisville, Pa. Producing gilsonite suspensions. 2,493,507, Jan. 3.

Sutherland, Dorothy C., assignee: *See*—
Sutherland, Daniel M.

Sutherland, Edward, Haddonfield, N. J., assignor to The Budd Company, Philadelphia, Pa. Conveyer mechanism. 2,514,104, July 4.

Sutherland, Ethel M., assignee: *See*—
Sutherland, Daniel M.

Sutherland, Everett, Chicago, Ill. Meter reading recorder. 2,524,299, Oct. 3.

Sutherland, Frederick F., Cumberland, Md., assignor to Celanese Corporation of America. Tiltable packing table. 2,522,588, Sept. 19.

Sutherland, Frederick F., and D. K. Wilson, Cumberland, Md., assignors to Celanese Corporation of America. Apparatus for treating with liquid running yarns and threads. 2,521,807, Sept. 12.

Sutherland, Howard C., Mobile, Ala., assignor of one-third to W. Lindley and one-third to J. F. N. Wools, Olympia, Wash. Ice-cream container mouth guide. 2,503,525, Apr. 11.

Sutherland, James R., New Lebanon, N. Y., assignor to General Electric Company. Protective circuit for electrical windings. 2,497,699, Feb. 14.

Sutherland, Leslie H.: *See*—
Cislak, Francis E., and Sutherland.

Sutherland, Leslie H., Jr., Springdale, Conn., assignor to American Cyanamid Company, New York, N. Y. Antihistamines and preparation of the same. 2,498,227, Feb. 28.

Sutherland Paper Company, assignee: *See*—
Buttery, Kenneth T.
Buttery, Kenneth T., and Hubbard.
Stenger, Richard C.

Sutherland, Roy E., Fayette, Ala. Adjustable concave truss with controlled swivel. 2,523,545, Sept. 26.

Sutherland, William, assignee: *See*—
Bodnar, Joseph.

Sutliff, Wayne N.: *See*—
Miller, Ivan O., Sutliff, Shaffer, and Waggener.

Sutliff, Wayne N., Bakersfield, Calif. Grab tool. 2,505,073, Apr. 25.

Suto, Paul A., Manchester, assignor to C-Thru Ruler Company, Hartford, Conn. Instrument for drawing ellipses. 2,499,935, Mar. 7.

Sutphin, Eldon M., Verona, Pa. Bridge player accessory. 2,503,691, Apr. 11.

Sutter, Charles: *See*—
Heald, Robert F., Sutter, and Compa.

Sutter, Charles E., Chesaning, Mich. Lawn mower. 2,518,093, Aug. 8.

Sutter, Edwin L., Sharon, assignor to Tobe Deutschmann Corporation, Canton, Mass. Ballast unit. 2,514,015, July 4.

Sutter, Paul: *See*—
Holbro, Theodor, Sutter, and Kern.
Moergeli, Eduard, Sutter, and Kern.

Sutter, Paul, Binningen, and W. Kern, Sissach, assignors to Ciba Limited, Basel, Switzerland. 6,7-phthaloylquinazoline vat dyestuffs and making same. 2,525,380, Oct. 10.

Sutter, Walter E., Syracuse, and T. G. Custin, Baldwinsville, N. Y., assignors to General Electric Company. Time division pulse multiplex system. 2,519,083, Aug. 15.

Suttles, Green B., Jr., Selma, Ala. Animal sprayer. 2,524,641, Oct. 3.

Sutton, Alton C., Rochelle, Ill. Asparagus cutting machine. 2,503,975, Apr. 11.

Sutton, Boyce T.: *See*—
Sutton, James C. and B. T.

Sutton, Donald E., assignor to Hammond Machinery Builders, Inc., Kalamazoo, Mich. Machine for scorching or drying printing mats and the like. 2,501,922, Mar. 28.

Sutton, Harry G., Syracuse, assignor to United States Hoffman Machinery Corporation, New York, N. Y. Steam electric iron. 2,515,100, July 11.

Sutton, James C. and B. T., Lyman, S. C. Powder applicator for printing machines. 2,535,965, Dec. 26.

Sutton, Otis B.: *See*—
Piper, Glenn T.

Sutton, Otis B., Canton, assignor to The Hoover Company, North Canton, Ohio. Refrigeration. 2,508,000, May 16.

Sutton, Otis B., Canton, assignor to The Hoover Company, North Canton, Ohio. Electric iron with signaling means. 2,527,775, Oct. 31.

Sutton, Richard A., Alhambra, Calif., assignor to Bendix Aviation Corporation, Elmira Heights, N. Y. Hub brake for bicycles and the like. 2,531,750, Nov. 28.

Sutton, Roy R., Winfield, Kans. Tubeless tire. 2,530,213, Nov. 14.

Suwa, Ignaz: *See*—
Rubens, Harry S., and Suwa.

Suydam, James L., Cincinnati, Ohio. Aerial navigation computer. 2,512,184, June 20.

Suydam, Joseph W., Blue Point, N. Y. Eddy current loud speaker. 2,494,782, Jan. 17.

Suydam, William H., Jr., Glen Ridge, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Welding method and apparatus. 2,504,753, Apr. 18.

Svarz, Jerry: *See*—
Kaiser, Emil, and Svarz.

Svec, Frank A., Norwalk, Conn. Device for use in opening bivalve mollusks. 2,506,817, May 9.

Sveda, Michael, Cleveland, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of pyrosulfuryl chloride. 2,530,410, Nov. 21.

Sveinson, Thorkell, assignor to Selkirk Metal Products, Limited, Winnipeg, Manitoba, Canada. Hot-air discharging unit. 2,526,097, Oct. 17.

Svensjö, Nils E., Nockeby, assignor to Aktiebolaget Separator, Stockholm, Sweden. Centrifugal separation of sludge-containing liquids. 2,532,792, Dec. 5.

Svenska Aktiebolaget Bromsregulator, assignee: *See*—
Browall, Bert H.
Carlbom, Axel G. H.
Malmquist, Nils G. A.

Svenska Aktiebolaget Gasaccumulator, assignee: *See*—
Ahblom, Sven W.
Alexandersson, Harald V.
Grandqvist, Carl-Erik.
Malmquist, Nils G. A.

Svenska Cellulosa Aktiebolaget, assignee: *See*—
Lindblad, Karl R.

Svenska Maskinaktiebolaget Greiff, assignee: *See*—
Axelson, Eskil A. A., and Löfgren.

Svenska Mjolkprodukter Aktiebolag, assignee: *See*—
Hällqvist, Bror K., and Campbell.

Svenska Rayon Aktiebolaget, assignee: *See*—
Lindquist, Curt A. J.

Svenson, Ernest J., Rockford, assignor to Odin Corporation, Chicago, Ill. Fluid power, controlling means and associated mechanisms therefor. 2,494,841, Jan. 17.

Svenson, Ernest J., Rockford, assignor to Odin Corporation, Chicago, Ill. Hydraulic actuator mechanism. 2,505,809, May 2.

Svenson, Ernest J., Rockford, assignor to Odin Corporation, Chicago, Ill. Hydraulic actuator mechanism and control therefor. 2,505,810, May 2.

Svenson, Helmar, Milwaukee, Wis. Fishhook extractor. 2,533,152, Dec. 5.

Svensson, Algot P., Goteborg, Sweden. Photographic camera shutter. 2,512,815, June 27.

Svensson, Algot P., assignor to F. V. Hasselblad, Goteborg, Sweden. Focal-plane shutters of curtain type. 2,526,432, Oct. 17.

Svensson, Algot P., assignor to F. V. Hasselblad, Goteborg, Sweden. Mount for camera lenses. 2,526,433, Oct. 17.

Svensson, Robert: *See*—
Hedstrom, Sven E., and Svensson.

Svensson, Sven G., and N. B. Langefors, Sundbyberg, Sweden. Determination of unbalance in rotors. 2,500,013, Mar. 7.

Svensson, Yngve, and E. Nilsson, Goteborg, Sweden. Driving mechanism for multiplex cameras. 2,497,478, Feb. 14.

Sverdrup, Edward F., assignor to U. S. Rubber Reclaiming Company, Inc., Buffalo, N. Y. Reclaiming rubber. 2,494,593, Jan. 17.

Svoboda, Antonin, Cambridge, Mass. Mechanical computer. 2,498,308, Feb. 21.

Svoboda, Antonin, Cambridge, Mass. Multiplying linkage. 2,498,309, Feb. 21.

Svoboda, Antonin, Cambridge, Mass. Multiplying linkage. 2,498,310, Feb. 21.

Svoboda, Antonin, Cambridge, Mass. Mechanical divider. 2,498,311, Feb. 21.

Svoboda, Antonin, Cambridge, Mass. Multiplying and dividing linkage. 2,498,312, Feb. 21.

Svoekhotoff, Alexandre, Paris, France. Apparatus for automatically calling police help. 2,512,981, June 27.

Swaer, Arthur, assignee: *See*—
Rusch, Carl L.

Swain, Robert C., Riverside, and J. H. Paden, Glenbrook, Conn., assignors to American Cyanamid Company, New York, N. Y. Corrosion inhibitors. 2,512,590, June 20.

Swain, Robert W., Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Photographic illuminator. 2,516,270, July 25.

Swain, Saint E.: *See*—
Rolshausen, Ferdinand W., and Swain.

Swallen, Lloyd C., Lombard, assignor to Great Lakes Carbon Corporation, Morton Grove, Ill. Production of carbon bodies. 2,502,183, Mar. 28.

Swallen, Lloyd C., Lombard, assignor to Great Lakes Carbon Corporation, Morton Grove, Ill. Purification of siliceous minerals. 2,504,357, Apr. 18.

Swallen, Lloyd C., Lombard, and H. W. Nelson, Deerfield, assignors to Great Lakes Carbon Corporation, Morton Grove, Ill. Manufacturing dense shaped carbon articles. 2,522,766, Sept. 19.

Swallen, Lloyd C., Lombard, and H. W. Nelson, Deerfield, assignors to Great Lakes Carbon Corporation, Morton Grove, Ill. Carbon body and making. 2,527,595, Oct. 31.

Swallert, Sven A. N., assignee: *See*—
Nilsson, Sven A.

Swallow, John C., and D. K. Baird, Welwyn Garden City, and B. P. Ridge, Potters Bar, England, assignors to Imperial Chemical Industries Limited. Producing films. 2,497,376, Feb. 14.

Swallow, Leslie T., assignee: *See*—
Frye, De Moine H.

Swan, Fillmore D., assignor to Wingfoot Corporation, Akron, Ohio. Booster brake system. 2,494,319; Jan. 10.

Swan, Floyd G., Eureka, Calif. Spinner. 2,516,434, July 25.

Swan, Frank R.: *See*—
Gustafson, Carl A.

Swan, Jacob, Brooklyn, N. Y. Safety guard for foot presses, power presses, and die sets. 2,524,090, Oct. 3.

Swanback, Victor: *See*—
Jacobsen, Calle P., and Swanback.

Swaney, Miller W.: *See*—
Banes, Fred W., and Swaney.
Frolich, Per K., Vanderbilt, and Swaney.

Swaney, Miller W., Cranford, N. J., assignor to Standard Oil Development Company. Fungicidal composition comprising a copper acetylide. 2,521,424, Sept. 5.

Swaney, Miller W., Westfield, and L. Z. Jasion, Elizabeth, N. J., assignors to Standard Oil Development Company. Selectively eradicating weeds from carrot plots. 2,512,044, June 20.

Swaney, Miller W., Cranford, and A. H. Gleason, Westfield, N. J., assignors to Standard Oil Development Company. Polymerizing butadiene-1,3. 2,513,244, June 27.

Swank, Inc., assignee: *See*—
Bagnall, Joseph C.
Bagnall, Joseph C., Jr.
Ballou, Charles M.

Swank, Inc., assignee: *See*—Continued.
Bowder, David H.
Howard, Viola T.
Marien, Clement.
Mueller, Leo G.

Swank, Wilbert A., Dayton, Ohio. Audio fatigue unit. 2,494,594, Jan. 17.

Swann, James S., Homewood, assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Hopper door for railway cars. 2,493,468, Jan. 3.

Swann, James S., Homewood, assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Side plate and post for railway cars. 2,509,995, May 30.

Swann, Philip, Kildare, Hillbrow, Liss, England, and R. H. L. Sung, Seria, Brunei. Pile. 2,497,377, Feb. 14.

Swansey, Jesse J., Bay City, Tex. Chicken feeder. 2,525,246, Oct. 10.

Swanson, Alma P., Inglewood, Calif. Multiple garment hanger. 2,511,304, June 13.

Swanson, Bernard J., Fort Wayne, Ind. Ink applying instrument. 2,528,921, Nov. 7.

Swanson, Carl E.: *See*—
Bramley, Arthur, and Swanson.

Swanson, Clarence P., Shreveport, La. Refrigerator appliance. 2,522,318, Sept. 12.

Swanson, Dale E., Harlan, Iowa. Engine lifting tool. 2,500,436, Mar. 14.

Swanson, Donald F., Chicago, Ill. Coffee-making apparatus and automatic control means therefor. 2,493,932; Jan. 10.

Swanson, Donald H., Minneapolis, Minn. Keyhole illuminator. 2,529,234, Nov. 7.

Swanson, Elmer C., Larchwood, Iowa. Sack opening device. 2,528,562, Nov. 7.

Swanson, Emil M., Syracuse, N. Y. Bracelet. 2,506,396, May 2.

Swanson, Forrest R., assignor to Illinois Tool Works, Chicago, Ill. Fastener. 2,498,591, Feb. 21.

Swanson, Forrest R., assignor to Illinois Tool Works, Chicago, Ill. Fastener device. 2,504,358, Apr. 18.

Swanson, Fred W., assignee: *See*—
Reed, Harold B., Swanson, and Peters.

Swanson, G. A., Engineering Co., assignee: *See*—
Giblin, Thomas P.

Swanson, Gunnar E., New Britain, Conn. Lock. 2,527,086, Oct. 24.

Swanson, Harold G., North Hollywood, Calif., assignor to Republic Productions, Incorporated. Reversible spindle. 2,509,791, May 30.

Swanson, Hilbert E., Milwaukee, assignor to Unit Crane & Shovel Corp., West Allis, Wis. Material handling apparatus. 2,502,681, Apr. 4.

Swanson, Hilbert E., Milwaukee, assignor to Unit Crane & Shovel Corp., West Allis, Wis. Material handling machine. 2,529,200, Nov. 7.

Swanson, Hugo R., Binghamton, N. Y. Therapeutic unit. 2,527,039, Oct. 24.

Swanson, Oscar W., West Hartford, Conn., assignor to Underwood Corporation, New York, N. Y. Carriage return mechanism for record making machines. 2,533,153, Dec. 5.

Swanson, Robert E., Vancouver, British Columbia, Canada, assignor to Nathan Manufacturing Company, New York, N. Y. Multiple air pressure actuated horn. 2,502,354, Mar. 28.

Swanson, Stuart E., Hartford, assignor to Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn. Modification of wool to increase its harshness and fullness and to decrease its luster. 2,534,314, Dec. 19.

Swanson, Stuart E., Suffield, assignor to Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn. Treatment of wool to increase its harshness and fullness and to decrease its luster. 2,534,315, Dec. 19.

Swanson, Stuart E., Suffield, assignor to Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn. Treatment of wool to increase its harshness and decrease its luster. 2,534,316, Dec. 19.

Swanson, Stuart E., Suffield, assignor to Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn. Modification of B. A.-type wool to impart harshness and low luster thereto. 2,534,317, Dec. 19.

Swanson, Stuart E., Suffield, assignor to Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn. Modifying B. A.-type wool to impart harshness and low luster thereto. 2,534,318, Dec. 19.

Swanson, Stuart E., Suffield, assignor to Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn. Modification of B. A.-type wools. 2,534,319, Dec. 19.

Swanson, Stuart E., Suffield, assignor to Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn. Modification of B. A.-type wool. 2,535,022, Dec. 19.

Swanson, Wallace R., Seattle, Wash., assignor to Boeing Airplane Company. Fabric panel supporting means. 2,526,912, Oct. 24.

Swarovski, Daniel, Wattens, Tirol, Austria. Mass production of objects formed of moldable material. 2,525,465, Oct. 10.

Swarthout, Dorothy M., Kewaskum, Wis. Baking pan with separator blade therefor. 2,528,561, Nov. 7.

Swartout, Clotilde D., North Muskegon, Mich. Double bowl and cover. 2,507,425, May 9.

Swartout, Harold E., Davenport, Iowa. Gauge for wire-winding machines. 2,499,426, Mar. 7.
Swarts, Lewis E., Jr., Cambridge, Mass., assignor, by mesne assignments to the United States of America as represented by the Secretary of War. Wave guide antenna. 2,535,331, Dec. 26.
Swartswelter, Ernest E., Jr., assignor to Ace Storm Window Company, Youngstown, Ohio. Combination vent arm and handle for storm sashes. 2,508,199, May 16.
Swartwood, Kenneth, assignee: *See*—
McNair, Eric P., and Swartwood.
Swartz, William, Chicago, Ill. Packaging baked goods. 2,502,635, Apr. 4.
Swartzbaugh Manufacturing Company, The, assignee: *See*—
Allgeyer, Guy H.
Drobisch, Raymond W.
Roberts, Theron W.
Ryan, Marion E.
Swartzel, Karl D., Eggertsville, and C. L. Frederick, Williamsville, N. Y., assignors to Curtiss-Wright Corporation. Multichannel telemetering system with identical band-pass filters. 2,494,370; Jan. 10.
Swastek, Henry A., Chicago, Ill. Massage and shampoo device. 2,516,491, July 25.
Swayze, Harry E.: *See*—
Yates, William M. and Swayze.
Swearingen, Judsen S., San Antonio, Tex. Air separation process. 2,520,862, Aug. 29.
Swearingen, Lemuel D., Detroit, Mich. Collapsible Christmas tree stand. 2,500,215, Mar. 14.
Sweatt, Robert V., Jr., Memphis, Tex. Mechanic's creeper. 2,498,313, Feb. 21.
Swebilius, Carl G., Hamden, Conn. Ejector detent. 2,500,139, Mar. 7.
Swebilius, Carl G., Hamden, Conn. Action slide for firearms. 2,530,363, Nov. 14.
Swedien, Ellsworth W., assignor to Patent Management, Incorporated, Minneapolis, Minn. Automatic volume control for keyboard operated musical instruments. 2,497,331, Feb. 14.
Swedish Crucible Steel Company, assignee: *See*—
McElligott, Edward M.
Swedlund, Lloyd E., Lancaster, Pa., assignor to Radio Corporation of America. High-voltage cathode-ray tube corona ring. 2,508,001, May 16.
Sweeley, Edward A., Alexandria, Va., and N. T. Anderson, Washington, D. C., assignors to Fruit Growers Express Company. Heated refrigerator car. 2,493,425, Jan. 3.
Sweeney, Alfred W., Albion, Mich. Match holder. 2,526,833, Oct. 24.
Sweeney, B. K., Manufacturing Company, assignee: *See*—
Able, Edward T., and Krieger.
Sweeney, John F., Able, and MacKay.
Sweeney, James, Detroit, Mich. Easily detachable non-skid chain. 2,506,247, May 2.
Sweeney, John F.: *See*—
French, Leon B., and Sweeney.
Sweeney, John F., E. T. Able, and I. A. MacKay, assignors to B. K. Sweeney Manufacturing Company, Denver, Colo. Disk record vending machine. 2,535,332, Dec. 26.
Sweeney, Orland R., and L. K. Arnold, assignors to Iowa State College Research Foundation, Ames, Iowa. Countercurrent extraction apparatus. 2,497,700, Feb. 14.
Sweeney, Orland R., and L. K. Arnold, assignors to Iowa State College Research Foundation, Ames, Iowa. Solvent extraction apparatus and process. 2,501,880, Mar. 28.
Sweeney, Orland R., L. K. Arnold, and E. G. Hollowell, assignors to Iowa State College Research Foundation, Ames, Iowa. Solvent recovery by distillation. 2,504,053, Apr. 11.
Sweeney, William J., Summit, N. J., assignor to Standard Oil Development Company. Protective coating compositions. 2,522,469, Sept. 12.
Sweeny, Charles P.: *See*—
Hacklander, Hans, and Sweeny.
Sweeny, Charles P., Somerville, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Control system for electrostatic bonding. 2,504,754, Apr. 18.
Sweet, Andrew T., Salt Lake City, Utah, assignor to the United States of America as represented by the Secretary of the Interior. Reaction and stratifying container. 2,502,490, Apr. 4.
Sweet, Floyd H.: *See*—
Miller, Charles E., and Sweet.
Sweet, Floyd H., Euclid, assignor to The Marquette Metal Products Company, Cleveland, Ohio. Spindle whorl retainer. 2,500,717, Mar. 14.
Sweet, Floyd H., Euclid, assignor to The Marquette Metal Products Company, Cleveland, Ohio. Governor with built-in overspeed trip. 2,503,362, Apr. 11.
Sweet, John F., Wilmington, Calif. Cartridge fountain pen. 2,517,453, Aug. 1.
Sweet, Reginald C., assignor to North American Geophysical Company, Houston, Tex. Gravimeter. 2,523,075, Sept. 19.
Sweet, Webster C., Pittsburgh, Pa. Flour sifter. 2,525,734, Oct. 10.
Sweet, William I., Wayzata, Minn. Fishing spear. 2,509,113, May 23.
Sweetland, Ernest J., Piedmont, Calif. Bed construction. 2,523,076, Sept. 19.
Sweetman, George A., Trinidad, Colo. Fishhook. 2,531,995, Nov. 28.
Sweetman, John R.: *See*—
Pape, Clifford B., and Sweetman.
Sweetman, Laurence D., Oakland, Calif. Lariat. 2,503,567, Apr. 11.
Sweetser, Chauncey E., assignor to Norton Company, Worcester, Mass. Grinding wheel truing apparatus. 2,528,621, Nov. 7.
Sweger, Russell P., Rockford, Ill. Power transmission mechanism. 2,512,816, June 27.
Sweger, Russell P., assignor to Barber-Colman Company, Rockford, Ill. Movable contact structure. 2,532,468, Dec. 5.
Sweitzer, Carl W.: *See*—
Wiegand, William B., and Sweitzer.
Swem, Harry A.: *See*—
Zemanek, Arnold F., and Swem.
Zemanek, Arnold F., Swem, Treichler, Williams, and Kelly.
Swendiman, George A., Grand Forks, N. Dak. Jaw support. 2,507,617, May 16.
Swenson, Alfred G., Ontario, Calif., assignor to General Electric Company. Flatiron supporting means. 2,501,549, Mar. 21.
Swenson, Alfred G., Ontario, Calif., assignor to General Electric Company. Thermal cutout for flatirons or the like. 2,528,254, Oct. 31.
Swenson, Carl A.: *See*—
Holt, Oscar E., and Swenson.
Swenson, Carl E., Rockford, Ill. Dustproof bearing for sickles. 2,535,878, Dec. 26.
Swenson, Eric A., City Mills, Mass. Double-walled tank and discharge fitting therefor. 2,520,346, Aug. 29.
Swenson, Erich S., and E. W. Schwanz, assignors to The Flour City Ornamental Iron Co., Minneapolis, Minn. Metal oar. 2,527,040, Oct. 24.
Swenson, Gordon C., Erie, Pa. Reel. 2,524,406, Oct. 3.
Swenson, Hjalmer R., Rockford, Ill. Wall sander. 2,523,884, Sept. 26.
Swenson, John, Granite Co., Inc., The, assignee: *See*—
Garrison, Langdon I.
Swenson, Joseph W., Summit, N. J. Universal-type picture frame. 2,534,741, Dec. 19.
Swenson, Oscar J., Ithaca, assignor to The Cuban-American Sugar Company, New York, N. Y., and S. C. Johnson & Sons, Inc., Racine, Wis. Wax extraction. 2,499,008, Feb. 28.
Swenson, Oscar J., Ithaca, assignor to The Cuban-American Sugar Company, New York, N. Y., and S. C. Johnson & Son, Inc., Racine, Wis. Extracting wax from cachaza. 2,508,002, May 16.
Swenson, Walter R., Flushing, N. Y., assignor to The Dorr Company, Stamford, Conn. Apparatus for conducting ion exchange operations. 2,517,051, Aug. 1.
Swern, Daniel, Philadelphia, Pa., assignor to the United States of America as represented by the Secretary of Agriculture. Copolymers of unsaturated ethers. 2,516,928, Aug. 1.
Swern, Daniel, Philadelphia, and G. B. Dickel, Monongahela, Pa., assignors to the United States of America as represented by the Secretary of Agriculture. Esters of oleic acid with unsaturated alcohols. 2,527,597, Oct. 31.
Swetlik, Sylvan V., Kellnersville, Wis. Fish holder. 2,523,736, Sept. 26.
Swett, Arthur H., Jr., and E. C. Marshall, Montclair, assignors to American Tag Company of New Jersey, Belleville, N. J. Lock seal. 2,511,751, June 13.
Swett, Hinkley R., Sanford, Maine. Braiding stand. 2,524,490, Oct. 3.
Swibel, Max, Bronx, N. Y. Rack and ejector means for phonograph records. 2,495,611, Jan. 24.
Swietoslawski, Wojciech, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa. Separating basic organic compounds. 2,519,412, Aug. 22.
Swilik, Edward C., Cleveland, Ohio. Limited movement clutch. 2,533,848, Dec. 12.
Swindell-Dressler Corporation, assignee: *See*—
Hanff, Edward A.
Swinehart, Carl F., University Heights, assignor to The Harshaw Chemical Company, Cleveland, Ohio. Electrolytic production of fluorine. 2,534,638, Dec. 19.
Swinehart, Richard W., assignor to The Dow Chemical Company, Midland, Mich. Drilling fluids stable in the presence of brines rich in polyvalent cations. 2,510,153, June 6.
Swift, Clement K., Narberth, Pa., assignor to MacAndrews and Forbes Company, Camden, N. J. Making a foam-producing composition. 2,515,276, July 18.
Swift & Company, assignee: *See*—
Black, Howard C.
Bradford, Purdy.
Brown, Leo C.
Clardy, Le Roy.
De Moss, Leonard.
Graham, Clarence H.
Grettie, Donald P.
Gunther, James K., and Bradford.
Hale, Cedric, and Schauert.
Henney, Grover R.
Holloway, Donald F., and Young.
Koonz, Carl H.

Swift & Company, assignee: *See*—Continued.
Lager, Eric W., Prohaska, and Haase.
Leaders, William M.
Leaders, William M., and Argue.
Leaders, William M., and Norris.
Mattil, Karl F.
Patterson, William J.
Prohaska, James J.
Mattil, Karl F.
McDonald, George W., and Scott.
Roschen, Harry L., Ortscheid, and Ramsbottom.
Scott, Everett C.
Scott, Everette C., and McDonald.
Siems, Herman B.
Trelease, Richard D., and Koonz.
Truce, William E.
Walter, Charles T.
Williams, Beverly E.
Young, Harland H., and Christopher.

Swift, Edward, Chula Vista, Calif. Rock cutting machine. 2,523,601, Sept. 26.

Swift, Frank H., Portland, Oreg., assignor to Crown Zellerbach Corporation, San Francisco, Calif. Hydraulic-barker nozzle assembly producing composite oscillatory movement of discharging jet. 2,502,763, Apr. 4.

Swift, Franklin H. and W. F., Vineyard Haven, Mass. Automatic dispensing means for shaving brushes. 2,521,882, Sept. 12.

Swift, Gilbert: *See*—
Fearon, Robert E., Thayer, and Swift.
Thayer, Jean M., Fearon and Swift.
Thayer, Jean M., Swift and Fearon.

Swift, Gilbert, Red Bank, N. J. Mechanical position finder. 2,493,786; Jan. 10.

Swift, Gilbert, R. E. Fearon, and J. M. Thayer, assignors to Well Surveys, Incorporated, Tulsa, Okla. Neutron log. 2,515,745, July 18.

Swift, Irvin H.: *See*—
McLean, William B., and Swift.

Swift, William, assignor to Joseph Lucas Limited, Birmingham, England. Boring and other machines. 2,516,731, July 25.

Swift, William, and A. Goodman, assignors to Joseph Lucas Limited, Birmingham, England. Machine for use in the construction of commutators. 2,499,539, Mar. 7.

Swift, William F.: *See*—
Swift, Franklin H. and W. F.

Swift, William F., Vineyard Haven, Mass. Cribbage board. 2,531,589, Nov. 28.

Swigerd, Robert C., Los Angeles, Calif. Fishing reel. 2,513,689, July 4.

Swihart, Owen C., South Bend, Ind. Reflector for musical wind instruments. 2,494,783, Jan. 17.

Swilik, Edward C., Cleveland, assignor to Barnes Manufacturing Co., Mansfield, Ohio. Combination soap dish and faucet. 2,507,943, May 16.

Swimmer, Albert T.: *See*—
Thomas, Howard P., and Swimmer.

Swinburne, James, assignor to Carrier Corporation, Syracuse, N. Y. System for providing reheat in bus air conditioning. 2,515,842, July 18.

Swinden, Reginald K., Houston, Tex. Machine for conditioning shrimp. 2,515,101, July 11.

Swindin, Norman, London, England. Valve for fluids. 2,516,029, July 18.

Swindin, Norman, London, England. Cleaning device for submersible burner. 2,530,270, Nov. 14.

Swindin, Norman, London, England. Submerged flame burner. 2,530,271, Nov. 14.

Swinehart, Merle R., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electric switch. 2,517,052, Aug. 1.

Swinehart, Richard W., Midland, and S. R. Allen, Bay City, assignors to The Dow Chemical Company, Midland, Mich. Making carboxymethyl cellulose. 2,524,024, Sept. 26.

Swing, Inc., assignee: *See*—
Huth, Jack A.

Swingle, Donald R., assignor to Cumberland Case Co., Chattanooga, Tenn. Crate for paper milk containers. 2,496,965, Feb. 7.

Swirling Heat Corporation, assignee: *See*—
Schoenwetter, Reinhold D.

Swisher, Earl D., Des Moines, Iowa. Vehicle jack. 2,521,266, Sept. 5.

Swisher, Robert D.: *See*—
Marotta, Ralph, and Swisher.

Swiss "Borvisk" Company, assignee: *See*—
Borzykowski, Benno.

Swiss, Jack: *See*—
Seidel, Martin P., Swiss, and Arntzen.

Swiss, Jack, McKeesport, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Insulated wire suitable for high-temperature applications. 2,516,030, July 18.

Swiss Radium & Dial Painting Co., Inc., assignee: *See*—
Szeglin, Andrew.

Switlik Parachute Company, Inc., assignee: *See*—
Moran, Harold J.
Stretch, Albert T., Jr.

Switzer, Joseph L., Cleveland Heights, and R. A. Ward, Cleveland; said Ward assignor to said J. L. and R. C. Switzer, South Euclid, Ohio. Heterocyclic fluorescent coloring materials. 2,495,202, Jan. 17.

Switzer, Joseph L., Cleveland Heights, and R. C. Switzer, South Euclid, Ohio. Daylight fluorescent pigment compositions. 2,498,592, Feb. 21.

Switzer, Joseph L., Cleveland Heights, and R. C. Switzer, South Euclid, Ohio. Daylight fluorescent resinous sheeting materials. 2,498,593, Feb. 21.

Switzer, Marshall H., Oak Park, Ill., and C. O. Ball, Maumee, Ohio. Apparatus for heating and cooling foods. 2,513,898, July 4.

Switzer, Robert C., assignee: *See*—
Switzer, Joseph L., and Robert C.
Switzer, Joseph L., and Ward.

Swyers, Carl, St. Albans, W. Va. Can puncturing device. 2,535,333, Dec. 26.

Swyke, August J.: *See*—
McBrayer, Marvin L., and Swyke.

Sy, Elwood H.: *See*—
Shippy, Leo C., and Sy.

Sybenga, Richard, Chicago, Ill. Meat tenderizer. 2,533,849, Dec. 12.

Syfert, William W., Oklahoma City, Okla. Single-edge razor blade sharpener. 2,495,910, Jan. 31.

Sykes, Ben: *See*—
Cunningham, Leslie B. C., Ford, Barnes, Sykes, Hancock, and Robinson.

Sykes, Charles: *See*—
Rotherham, Leonard, and Sykes.

Sykes, Harry J.: *See*—
Vesterdal, Hans G., and Sykes.

Sykes, Robert E., Sheboygan, Wis. Displacement pump. 2,532,247, Nov. 28.

Sykes, Roger A., Fanwood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Piezoelectric crystal unit. 2,505,370, Apr. 25.

Sykes, Roger A., Fanwood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Shockproof terminal seal. 2,508,551, May 23.

Sykes, Wesley S., Los Angeles, Calif. Luggage section end wall having a peripheral undercut groove securing a buffer strip. 2,496,182, Jan. 31.

Sylvan, Joseph, Berkeley, Mich. Window and screen assembly. 2,525,322, Oct. 10.

Sylvander, Roy C., Ridgewood, assignor to Bendix Aviation Corporation, Teterboro, N. J. Distance per unit of fuel measure indicator. 2,500,585, Mar. 14.

Sylvania Electric Products Inc., assignee: *See*—
Anthony, Myron L., and Virkus.
Aske, Vernon H.
Barker, Charles E.
Bouchard, George H.
Bresee, William H.
Buckley, Cornelius J., and Hagelston.
Ellefson, Bennett S.
Fales, Forrest G.
Fletcher, Harlan B.
Frohock, Warren S.
Gardner, Roland M.
Gartner, Stanley J., and Barrett.
Gehrke, Forrest E.
Ginther, Robert J.
Haas, Paul.
Haas, Paul, and Wilson.
Hutter, Rudolf G. E.
Ishler, Harry K.
Kingston, Ronald E., and Marchisio.
Kingston, Walter E.
Knowlton, David H.
Kurtz, Jacob, and Waldie.
Levenson, Solomon.
Lowry, Erwin F., and Homer.
Lowry, Erwin F., Mager, and Keilholtz.
Mager, Eric L.
Marchisio, Robert G.
McCarthy, Henry J.
Nitardy, Carl.
O'Hearn, Francis T.
Parker, Henry W.
Payne, Elmer C.
Payne, Elmer C., Hayes, and Demb.
Pearce, George W.
Pease, Marshall C.
Pelfrey, Lowell S.
Quinn, Gerald S., and Mann.
Rich, Gerald C.
Rishell, George L.
Rochester, Nathaniel.
Sassaman, Paul H., and Kerstetter.
Schell, Charles E.
Schulman, James H.
Thomas, Ralph B.
White, Donald W., Jr., and Zabel.
Williams, Ralph H.

Sylvester, Frederick F., Springfield, N. J., assignor to The James Knights Company, Sandwich, Ill. Electrical component. 2,515,673, July 18.

Sylvester, Harcourt M., and E. I. Rusk, Rochester, N. Y., assignors to Bendix Aviation Corporation, South Bend, Ind. Fluid operated switch assembly. 2,494,213; Jan. 10.

Sylvester, Walter G.: *See*—
Mapes, Daniel, Sylvester, and Hayes.

Symington-Gould Corporation, The, assignee: *See*—
Blattner, Emil H.

Symmons, Paul C., West Roxbury, Mass. Mixing valve and diverter. 2,519,158, Aug. 15.
Symonds, Ralph F., Marblehead, assignor to New England Trawler Equipment Co., Chelsea, Mass. Winch. 2,503,177, Apr. 4.
Symonds, Ralph F., Marblehead, assignor to New England Trawler Equipment Co., Chelsea, Mass. Winch with friction clutch. 2,506,397, May 2.
Symonds, Ralph F., Marblehead, and M. Magnusson, Winchester, Mass. Towing device. 2,533,972, Dec. 12.
Symons, Arthur H., Chicago, Ill. Tie for wall forms. 2,507,061, May 9.
Symons, Loren G., Hollywood, Calif., assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Gyratory impact ball mill and grinding method. 2,500,908, Mar. 14.
Symons, Loren G., Hollywood, Calif., assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Vertical axis gyratory screen. 2,500,965, Mar. 21.
Symons, Robert C., Ottawa, Ontario, Canada, assignor to Timberland Equipment, Inc., New York, N. Y. Log loader. 2,525,735, Oct. 10.
Synchromatic Corporation, assignee: *See*— Jaye, Richard C.
Synck, Adolph J., and W. Vutz, Coldwater, Ohio, assignors, by mesne assignments, to Avco Manufacturing Corporation. Bearing construction for hay handling devices. 2,521,492, Sept. 5.
Syncro Machine Company, assignee: *See*— Bruestle, Carl O., and Wilken. McKeague, Arthur L.
Syndicate Glass, Inc., assignee: *See*— Walker, Carl R.
Synek, Peter, New York, N. Y. Apparatus for automatically making beads. 2,503,178, Apr. 4.
Synergistics, Inc., assignee: *See*— Coler, Myron A.
Synerholm, Martin E., Hastings on Hudson, N. Y., assignor to Boyce Thompson Institute for Plant Research, Inc. Dialkylamino alkyl piperate and its hydrochloride. 2,494,458; Jan. 10.
Syntex, S. A., assignee: *See*— Kaufmann, Stephen, and Rosenkranz. Rosenkranz, George, and Kaufmann.
Syntron Company, assignee: *See*— Alvord, Grove D.
Sypkens, Gabriel L.: *See*— Rinia, Herre, de Brey, Van Weenen, Boers, Sypkens, and van Heeckeren.
Syracuse Chilled Plow Co., Inc., assignee: *See*— Cook, Curtiss L., and Young. Young, Austin E.
Syracuse, Frances P., Los Angeles, Calif. Utility handbag having double compartment with individual closures and independently accessible bottle pockets. 2,533,850, Dec. 12.
Syrdal, Richard R., St. Louis Park, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Beam type of electron discharge tubes. 2,505,261, Apr. 25.
Syverson, Aldrich: *See*— Reuter, Louis F., and Syverson.
Syverud, Annar F., and B. G. Peterson, Minneapolis, Minn. Artificial hand. 2,528,322, Oct. 31.
Szabo, Fred, Corona, Calif. Support clamp. 2,533,974, Dec. 12.
Szabó, Henrik, assignor to Telefonaktiebolaget L M Ericsson, Stockholm, Sweden. Thermostatic switch enclosed in a receptacle. 2,527,108, Oct. 24.
Szabo, Joseph L.: *See*— Bruce, William F., Mueller, and Seifter, and Szabo.
Szabo, Margaret M., Detroit, Mich. Ruler. 2,522,908, Sept. 19.
Szager, Frank G., Inglewood, Calif. Drawer pull. 2,496,966, Feb. 7.
Szantay, Daniel, assignee: *See*— Eskuchen, Frank G.
Szegho, Constantin S., New York, N. Y., assignor to The Rauland Corporation, Chicago, Ill. Schmidt projector having cathode-ray tube comprising spherical mirror. 2,495,035, Jan. 17.
Szegho, Constantin S., assignor to The Rauland Corporation, Chicago, Ill. Unitary ceramic electron gun. 2,496,825, Feb. 7.
Szeglin, Andrew, Hempstead, assignor to Swiss Radium & Dial Painting Co., Inc., New York, N. Y. Fastener for wristbands. 2,500,649, Mar. 14.
Szekely, O. E., & Associates: *See*— Szekely, Otto E.
Szekely, Otto E., assignor to O. E. Szekely, G. Dorian, and F. R. Maxwell, copartners doing business as O. E. Ezekely & Associates, Philadelphia, Pa. Generator drive. 2,500,216, Mar. 14.
Szekely, Otto E., assignor, by mesne assignments, to O. E. Szekely & Associates, Inc., Philadelphia, Pa. Coupling. 2,523,928, Sept. 26.
Szekely, Otto E., assignor, by mesne assignments, to O. E. Szekely & Associates, Inc., Philadelphia, Pa. Drive means. 2,524,853, Oct. 10.
Szent-Gyorgyi, Albert, Woods Hole, Mass., K. Laki, and M. Gerendás, Budapest, Hungary. Preparation of thrombin. 2,495,298, Jan. 24.
Szent-Gyorgyi, Albert, Woods Hole, Mass. Clip. 2,502,289, Mar. 28.
Szent-Gyorgyi, Albert, Woods Hole, Mass., and K. Laki and M. Gerendás, Budapest, Hungary. Blood clotting preparation. 2,532,348, Dec. 5.
Szerenyi, Andrew, Toronto, Ontario, Canada. Beater. 2,509,706, May 30.
Szigeti, Bela: *See*— Forrester, William F., Hinde, and Szigeti.
Sziklai, George C.: *See*— Engstrom, Elmer W., and Sziklai. Kell, Ray D., and Sziklai. Schroeder, Alfred C., and Sziklai.
Sziklai, George C., Laurel Road, N. J., assignor to Radio Corporation of America. Radio altimeter utilizing phase comparison. 2,506,818, May 9.
Sziklai, George C., Princeton, N. J., assignor to Radio Corporation of America. Cathode-ray deflection type amplifier. 2,496,361, Feb. 7.
Sziklai, George C., Princeton, N. J., assignor to Radio Corporation of America. Frequency converter circuits. 2,508,048, May 16.
Sziklai, George C., Princeton, N. J., assignor to Radio Corporation of America. Neutralization of deflection field between photocathode and mosaic of pickup tubes. 2,517,807, Aug. 8.
Sziklai, George C., Princeton, N. J., assignor to Radio Corporation of America. Image recording and reproducing apparatus. 2,517,808, Aug. 8.
Sziklai, George C., Princeton, N. J., assignor to Radio Corporation of America. Television in natural color. 2,518,199, Aug. 8.
Sziklai, George C., Princeton, N. J., assignor to Radio Corporation of America. Multicolored record and reproducing system therefor. 2,527,463, Oct. 24.
Sziklai, George C., Princeton, N. J., assignor to Radio Corporation of America. Speed control system. 2,531,834, Nov. 28.
Sziklai, George C., Princeton, N. J., assignor to Radio Corporation of America. Reflex amplification utilizing camera tube. 2,532,793, Dec. 5.
Sziklai, George C., Princeton, N. J., assignor to Radio Corporation of America. Electron discharge device of the velocity modulation type. 2,534,537, Dec. 19.
Sziklai, George C., Princeton, N. J., and A. C. Schroeder, Feasterville, Pa., assignors to Radio Corporation of America. Cathode-driven oscillator. 2,509,280, May 30.
Sziklai, George C., Princeton, N. J., and A. C. Schroeder, Feasterville, Pa., assignors to Radio Corporation of America. Television system. 2,518,200, Aug. 8.
Sziklai, George C., Princeton, N. J., and S. Tarzian, Bloomington, Ind., assignors to Radio Corporation of America. Frequency modulation converter system. 2,528,187, Oct. 31.
Szitar, John E., Cleveland Heights, assignor to The Weatherhead Company, Cleveland, Ohio. Assembly of end caps and cylinders. 2,502,290, Mar. 28.
Sznycer, Bernard, New York, N. Y., assignor to Intercity Airline Company, Montreal, Quebec, Canada. Root for rotating wings. 2,499,696, Mar. 7.
Szper, Jonas A., Barking, assignor, by mesne assignments, to L. Fuller, London, and E. W. Sudlow, Leigh-on-Sea, England. Filling material for secondary dry-accumulator batteries. 2,526,591, Oct. 17.
Szubzda, Emil, New Bedford, Mass. Delivery slide for linotype machines. 2,512,842, June 27.
Szuecs, Joseph, Yonkers, assignor of one-tenth to G. M. Wiles, Roslyn, N. Y. Essence of mushroom and its preparation. 2,505,811, May 2.
Szwarc, Alexander, Montreal, Quebec, Canada. Water-vapor resistant coated paper. 2,496,566, Feb. 7.
Szwargulski, Alex N.: *See*— Korte, Alfred C., and Szwargulski.
Szydlowski, Josef, Bordes, France. Automatic control for superchargers. 2,506,248, May 2.
Szymanski, Stephen S., Holyoke, Mass. Cigarette case. 2,535,761, Dec. 26.
T & M Manufacturing Company, assignee: *See*— Silverman, Monte M.
T. & T. Vicars Limited, assignee: *See*— Crosland, Edward M. Grainger, George F. W. White, Percy.
T-Z Railway Equipment Co., assignee: *See*— Wilson, Otto E., and Sale.
Taaffe, John L., Inglewood, Calif. Slide rule. 2,527,776, Oct. 31.
Tabenkin, Benjamin, assignor to Hoffmann-La Roche Inc., Nutley, N. J. Production of riboflavin by termination process. 2,493,274, Jan. 3.
Taber, Ella, Beloit, Wis. Binder for shirt cuffs and plackets. 2,520,227, Aug. 29.
Taber, Irene D. and L. O., Chicago, and K. F. Spalding, Oak Park, Ill. Collapsible shopping bag. 2,505,440, Apr. 25.
Taber, Leland O.: *See*— Taber, Irene D. and L. O., and Spalding.
Taberlet, Fred R., Forest Hills, N. Y., assignor to Talon, Inc. Slider for adjustable fasteners. 2,502,901, Apr. 4.
Tabin, David, Freeport, N. Y. Animal trap. 2,504,359, Apr. 18.
Tabler, Herbert K., assignor to I. Tabler, Plymouth, Ill. Gate latch. 2,525,187, Oct. 10.
Tabler, Imogene, assignee: *See*— Tabler, Herbert K.

Tabor Olney Corporation, assignee: *See*—
Flosdorf, Earl W.
Flosdorf, Earl W., and Stokes, Jr.

Taborski, Alfred F., Buffalo, N. Y. Novelty device. 2,510,323, June 6.

Taborsky, Frank G., Maywood, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for measuring electrical characteristics. 2,507,324, May 9.

Tacchella, Andrew J., assignor to Steady Flow-Freezer Co., Portland, Oreg. Freezing machine. 2,508,435, May 23.

Tacchella, Andrew J., assignor to Steady-Flow Freezer Co., Portland, Oreg. Automatic control for the freezing of ice cream. 2,522,648, Sept. 19.

Tacchella, Andrew J., assignor, by mesne assignments, to Steady-Flow Freezer Co., Portland, Oreg. Making frozen food products. 2,527,984, Oct. 31.

Tack, Carl E., assignor to American Steel Foundries, Chicago, Ill. Rotor brake. 2,498,625, Feb. 21.

Tack, Carl E., assignor to American Steel Foundries, Chicago, Ill. Brakehead arrangement. 2,507,062, May 9.

Tack, Carl E., and W. A. Helsten, assignors to American Steel Foundries, Chicago, Ill. Brakehead arrangement. 2,507,063, May 9.

Tack, Carl E., and W. A. Helsten, assignors to American Steel Foundries, Chicago, Ill. Brakehead arrangement. 2,507,064, May 9.

Tack, Carl E., assignor to American Steel Foundries, Chicago, Ill. Brake hanger. 2,509,176, May 23.

Tack, Carl E., assignor to American Steel Foundries, Chicago, Ill. Brake beam, head and guide structure. 2,524,740, Oct. 3.

Tack, Carl E., assignor to American Steel Foundries, Chicago, Ill. Friction member. 2,529,235, Nov. 7.

Tack, Carl E., and F. E. Bachman, assignors to American Steel Foundries, Chicago, Ill. Shock absorber. 2,531,368, Nov. 21.

Tackett, Albert G., Bethel, Ohio. Trap hook. 2,498,612, Feb. 21.

Tackett, John O., assignor of one-third to W. T. Nickell, Jackson, Miss. Firearm holster. 2,531,170, Nov. 21.

Tadema, Harco J., Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Alkylation of aromatic compounds in liquid catalyst solutions. 2,510,937, June 6.

Tadych, Josephine, Mayfield, Ohio. Costume flower support. 2,507,837, May 16.

Taegtstroem, Ingemar, New York, N. Y., assignor to Jacques Kreisler Manufacturing Corporation, North Bergen, N. J. Cuff link construction. 2,516,732, July 25.

Taft, Julius R., Corpus Christi, Tex. Automatic electrical soldering ladle. 2,502,764, Apr. 4.

Taft-Pierce Manufacturing Company, The, assignee: *See*—
Stead, Clifford, and Meyer.

Taggart, Agnes E., administratrix, assignee: *See*—
Taggart, John A.

Taggart, Dawson M., Ruxton, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for testing cable elements. 2,501,481, Mar. 21.

Taggart, Donald C., Westfield, assignor to The General Cellulose Company, Inc., Garwood, N. J. Folded tissues and dispenser therefor. 2,529,853, Nov. 14.

Taggart, John A., deceased, Chicago, Ill.; A. E. Taggart, administratrix, assignor to herself. Building construction. 2,525,974, Oct. 17.

Tagmann, Eugene: *See*—
Hoffmann, Karl, and Tagmann.

Tainton Company, The, assignee: *See*—
Clayton, Erith T.

Tait, Harold C.: *See*—
Mitchell, Reginald G., Tait, Gilbert, and David.

Tait, Thomas: *See*—
Howes, Donald A., and Tait.

Tait, Wilfred E., Westport, and A. W. Stellpflug, Weston, Conn., assignors to American Safety Razor Corporation, Brooklyn, N. Y. Rotary film holder. 2,494,495; Jan. 10.

Tait, Wilfred E., Westport, and A. W. Stellpflug, Weston, Conn., assignors to American Safety Razor Corporation, Brooklyn, N. Y. Film cassette for cameras. 2,531,651, Nov. 28.

Tait, Wilfred E., and A. W. Stellpflug, New Canaan, Conn., assignors to American Safety Razor Corporation, Brooklyn, N. Y. Camera. 2,531,652, Nov. 28.

Tait, Wilfred E., and A. W. Stellpflug, New Canaan, Conn., assignors to American Safety Razor Corporation, Brooklyn, N. Y. Film cassette for cameras. 2,531,653, Nov. 28.

Tait, William H., Alperton, Wembley, England. Valve structure for passage of strip material through the wall of liquid treatment baths. 2,522,071, Sept. 12.

Tait, William O., Garden City, N. Y., assignor to The Sperry Corporation. Fluid operated motor valve. 2,526,709, Oct. 24.

Takahashi, C. T., assignee: *See*—
Nakayama, Frank Y.

Takats, Zoltan, Vestal, assignor to General Aniline & Film Corporation, New York, N. Y. Lateral film guiding means. 2,508,733, May 23.

Takats, Zoltan, Vestal, N. Y., assignor to Link Aviation, Inc. Diving and climbing target simulator for ground trainers. 2,510,529, June 6.

Takats, Zoltan, Vestal, N. Y. Power-driven eccentrically actuated circulatory earth cultivator. 2,517,733, Aug. 8.

Takewell, Robert B., Borger, Tex., assignor to J. M. Huber Corporation, Locust, N. J. Apparatus for producing carbon black. 2,518,094, Aug. 8.

Talbert, Henry A., Churchill, assignor to The Union Switch & Signal Company, Swissvale, Pa. Outlying track switch control for centralized traffic control systems of the coded track circuit type. 2,510,324, June 6.

Talbot, Curtis O.: *See*—
Heck, John T., Du Mais, and Talbot.

Talbot, David B., Britton, assignor of one-tenth to H. S. Brimm, one-tenth to H. W. Sims, and one-fifth to F. W. Jones, Oklahoma City, Okla. Alarm system. 2,498,613, Feb. 21.

Talbot, Frank A., Baltimore, Md., assignor of one-half to R. E. Barry, Washington, D. C. Mechanical movement. 2,513,758, July 4.

Talbot, Frank A., Baltimore, Md., assignor of one-half to R. E. Barry, Washington, D. C. Circuit maker and breaker. 2,528,922, Nov. 7.

Talbot, Howard H., assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Apparatus for sampling strip material. 2,519,159, Aug. 15.

Talbot, Irvin W., Rush Hill, Mo. Posthole boring machine. 2,522,848, Sept. 19.

Talbott, Warren E., Baltimore, Md. Hygrometer. 2,497,378, Feb. 14.

Talboys, Henry H., assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Gauging tool. 2,498,742, Feb. 28.

Talboys, Henry H., assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Vertical axis ball mill with flexible wall and impact means to receive material from the flexed wall. 2,516,161, July 25.

Talboys, Henry H., assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Set-off device. 2,530,588, Nov. 21.

Talboys, Henry H., and H. E. Erickson, assignors to Nordberg Manufacturing Co., Milwaukee, Wis. Hammer. 2,533,975, Dec. 12.

Talcott, James M., Los Angeles, Calif. Cartoon toy. 2,520,347, Aug. 29.

Talge, Foster L.: *See*—
Howell, Harry H.
Scott, Robert J.

Talge, Henry J.: *See*—
Howell, Harry H.
Scott, Robert J.

Taliaferro, Devillo C., East St. Louis, Ill. Holder for glass coffee makers. 2,525,005, Oct. 10.

Talk-O Products, Inc., assignee: *See*—
Vincent, Andrew W.

Tallaksen, Gustav J., assignee: *See*—
Carter, Alfred R.

Tallent, Roy, Limited, assignee: *See*—
Schall, Egon.

Tallis, Ernest E., and H. R. S. Clotworthy, Coventry, assignors to Courtaulds Limited, London, England. Aqueous alkali-metal alginate solution. 2,499,697, Mar. 7.

Tallmadge, Edgar, deceased, Waukesha, Wis.; E. M. Tallmadge, sole heir of E. Talmadge. Camera back. 2,531,751, Nov. 28.

Tallmadge, Edith M., sole heir: *See*—
Tallmadge, Edgar.

Tallman, Emma S., assignee: *See*—
Tallman, Leslie R.

Tallman, G. L., assignee: *See*—
Tallman, Leslie R.

Tallman, J. L., assignee: *See*—
Tallman, Leslie R.

Tallman, Leslie R., assignor of forty-five per cent to G. L. Tallman, twelve and one-half per cent to J. L. Tallman, and twelve and one-half per cent to E. S. Tallman, Shelbyville, Ill. Collapsible feeder head for balers. 2,509,996, May 30.

Tallman, Russell W., Des Moines, Iowa. Graphic chart device. 2,511,953, June 20.

Tallman, William B.: *See*—
Heth, Sherman C., and Tallman.

Tallman, William B., assignor to J. I. Case Company, Racine, Wis. Windrower leveling means. 2,530,668, Nov. 21.

Talmadge, Alberta M., assignee: *See*—
Hart, James F.

Talmage, Nathaniel A., Riverhead, N. Y. Rotatable disks for separating potatoes from debris. 2,494,417; Jan. 10.

Talon, Inc., assignee: *See*—
Babcock, Glenn A.
Carlile, Alfred E.
Clarke, Frank W.
Firing, Osborne.
Firing, Osborne, and Dorman.
Gould, Clarence D.
Poux, Noel J.
Taberlet, Fred R.

Talpey, Richard G., Rochester, N. Y., assignor to Stromberg-Carlson Company. Directional coupler. 2,523,254, Sept. 19.

Tal's Prestal Bender, Inc., assignee: *See*—
Mueller, Henry A.

Talvio, Erik A., Helsingfors, Finland, assignor of fifty per cent to William Stepanoff, San Francisco, Calif. Two-cycle internal-combustion engine. 2,516,031, July 18.

Tama, Manuel, Morrisville, Pa., assignor to Ajax Engineering Corporation, Trenton, N. J. Treating metals in induction furnaces. 2,499,540, Mar. 7.

Tama, Mario, Morrisville, Pa., assignor to Ajax Engineering Corporation, Trenton, N. J. Drum type induction furnace. 2,499,541, Mar. 7.

Tama, Mario, Morrisville, Pa., assignor to Ajax Engineering Corporation, Trenton, N. J. Installation for the measurement and the control of the temperature in a metal melting and particularly in a submerged resistor type induction furnace. 2,519,941, Aug. 22.

Tama, Mario, Morrisville, Pa., assignor to Ajax Engineering Corporation, Trenton, N. J. Discharging apparatus. 2,520,348, Aug. 29.

Tama, Mario, Morrisville, Pa., assignor to Ajax Engineering Corporation, Trenton, N. J. Induction apparatus for metal coating. 2,520,349, Aug. 29.

Tamagna, Irene G., New York, and J. Gorski, Long Beach, N. Y. Electrocardiogram reading device. 2,501,550, Mar. 21.

Tamburro, Francis P., Ozone Park, assignor to Willcox & Gibbs Sewing Machine Company, New York, N. Y. Presser device for sewing machines. 2,497,746, Feb. 14.

Tamm, Bror, Quincy, Mass. Folding grapnel anchor. 2,496,503, Feb. 7.

Tammen and Denison, Inc., assignee: *See*—
Denison, William E.

Tammen, Philip T., Breda, Netherlands, assignor, by mesne assignments, to American Enka Corporation, Enka, N. C. Manufacturing artificial chamois. 2,506,249, May 2.

Tammerfors Linne-Och Jernmanufaktur Aktiebolag, assignee: *See*—
Rantaniemi, Vaino V.

Tamoschat, William, assignor to D. D. Zell, New York, N. Y. Combined securing and decorative means for the edge portions of a flexible-walled container. 2,527,339, Oct. 24.

Tampa Aviation, Inc., assignee: *See*—
Haggerty, William B.

Tanberg, Ragnar, Dremmen, Norway. Manufacturing con tinuous electrodes. 2,495,148, Jan. 17.

Tanberg, Ragnar, assignor to Drammens Glassverk, Drammen, Norway. Apparatus for charging raw materials to melting furnaces. 2,525,323, Oct. 10.

Tanczyn, Harry, Baltimore, Md., assignor, by mesne assignments, to Armco Steel Corporation. Treatment of molten stainless steel. 2,510,154, June 6.

Tanczyn, Harry, Baltimore, Md., assignor, by mesne assignments, to Armco Steel Corporation. Treatment of molten stainless steel. 2,510,155, June 6.

Tandler, William S., D. S. Walker, and F. A. de Weiss, assignors, by mesne assignments, to Vendomatic Machine Corporation, New York, N. Y. Dispenser. 2,500,437, Mar. 14.

Tandler, William S., D. S. Walker, and F. A. de Weiss, assignors, by mesne assignments, to Vendomatic Machine Corporation, New York, N. Y. Dispensing and vending machine. 2,500,438, Mar. 14.

Tandler, William S., and D. S. Walker, assignors to Industrial Scientific Company, New York, N. Y. Pressure telemeter. 2,511,752, June 13.

Tandler, William S., D. S. Walker, and F. A. de Wiess, New York, and W. M. Teller, New Rochelle, assignors to Vendomatic Machine Corporation, New York, N. Y. Merchandise vending machine. 2,531,238, Nov. 21.

Tangeberg, Olov H. I.: *See*—
Gustavsson, Karl-Axel, Munch, and Tangeberg.

Tangerman, William J., Hammond, Ind., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Railway coupler operating device. 2,493,469, Jan. 3.

Tanguay, Harvey A., Central Falls, R. I. Feeler device for knitting machines. 2,493,557, Jan. 3.

Tanguy, George E., Syracuse, N. Y. Automatic counterbalancing means for load lifting apparatus. 2,526,613, Oct. 17.

Tank Fertilizer, Inc., assignee: *See*—
Aycock, Walter F.

Tank, Sophia, assignee: *See*—
Kent, Frederick W.

Tanke, Willard H., La Crosse, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Break-back implement attachment for tractors. 2,520,743, Aug. 29.

Tann, Fred A. and K. W. Westlund, assignors to Roadmaster Products Company, Los Angeles, Calif. Valve control for servomotors. 2,508,806, May 23.

Tann, William E., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Neoprene cement. 2,514,192, July 4.

Tannenbaum, Morris L., deceased, Bronx, N. Y.; A. J. Springer and W. H. Wachter, executors of said M. L. Tannenbaum. Combination cap and glareproof goggle. 2,523,885, Sept. 26.

Tanner, Charles A., Jr.: *See*—
Cauwenberg, Winfred J., and Tanner, Jr.
Ross, Lawrence E., and Tanner.

Tanner, Charles A., Jr., Collingswood, N. J., assignor to American Cyanamid Company, New York, N. Y. Preparation of titanium dioxde pigments. 2,503,692, Apr. 11.

Tanner, Charles A., Jr., Collingswood, N. J., assignor to American Cyanamid Company, New York, N. Y. Production of titanium dioxide. 2,505,344, Apr. 25.

Tanner, Charles A., Jr., Collingswood, N. J., assignor to American Cyanamid Company, New York, N. Y. Preparing nucleating agent and use of same in hydrolyzing titanium salt solutions in production of titanium oxide product. 2,516,604, July 25.

Tanner, Elo C., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Apparatus for cooling and dispensing beverages. 2,502,603, Apr. 4.

Tanner, Fritz, St. Gallen, assignor to Gebruder Buhler, Uzwil, Switzerland. Preparing the surfaces of grinding mill rolls. 2,518,836, Aug. 15.

Tanner, Grathy O., Houston, Tex. Combined clock and loud speaker unit. 2,532,963, Dec. 5.

Tanner, Louis V., Cleveland, Ohio. Heating torch. 2,502,604, Apr. 4.

Tanner, Robert R., Birmingham, assignor to Parker Rust Proof Company, Detroit, Mich. Producing ferrous sheet for manufacturing receptacles. 2,500,915, Mar. 14.

Tanner, Samuel B., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Ball-bearing screw and nut. 2,502,066, Mar. 28.

Tanvilac Company, The, assignee: *See*—
Chandler, Fred K.

Tanzer, George, Everett, Mass. Suit form pad. 2,528,021, Oct. 31.

Taplin, George V., and F. A. Bryan, Brighton, N. Y. Micropulverized therapeutic agents. 2,533,065, Dec. 5.

Taplin, George V., and F. A. Bryan, Brighton, N. Y. Micropulverized therapeutic compositions. 2,533,066, Dec. 5.

Taplin, John F., West Newton, Mass. Fluid resistor. 2,506,179. May 2.

Tapp, Ernest T. J., Hampshire, assignor to Walker and County Cars Limited, London, England. Telescopic vehicle body. 2,494,013; Jan. 10.

Tapp, Ernest T. J., and J. Davey, Fleet, assignors to Pest Control Limited, Harston, Cambridgeshire, England. Mechanism for adjusting the spacing of traction drive means for variable track vehicles. 2,535,762, Dec. 26.

Tapp, Harry F.: *See*—
Rapisarda, Edward D., and Tapp.

Tappan Stove Company, The, assignee: *See*—
Mayer, Charles M.
Sheidler, Robert G.

Tappert, John G., Philadelphia, Pa. Intermittent gear. 2,512,696, June 27.

Taren, Jack, and A. Leon, Los Angeles, Calif. Teeth-locking comb. 2,533,067, Dec. 5.

Tarex S. A., assignee: *See*—
Bodmer, Ernest.

Tarallo, Sebastian, Middletown, Conn. Wire clothespin. 2,513,759. July 4.

Taras, John, Alpha, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Preparation of sulfuric esters of leuco vat dyes. 2,507,944, May 16.

Tarbutton, James L., assignor to G. G. Prior, Columbus, Ohio. Ball bearing. 2,523,238, Sept. 19.

Tarlton, Frank H., Alvaston, assignor to Rolls-Royce Limited, Derby, England. Change-speed gear for motor vehicles. 2,504,904, Apr. 18.

Tarlton, Frank H., Alvaston, assignor to Rolls-Royce Limited, Derby, England. Synchromesh coupling. 2,532,648, Dec. 5.

Tarlton, Russell A., Kenton, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Depth of dip control apparatus. 2,508,200, May 16.

Tarnuzzer, Edmund C.: *See*—
La Piana, Fred G., and Tarnuzzer.

Tarrant, Fred K., Saratoga Springs, N. Y. Spreader hopper and mounting attachment. 2,496,504, Feb. 7.

Tarry, Howard C.: *See*—
Rickard, Ralph E., and Tarry.

Tartaglia, Richard A.: *See*—
Remington, Frederic, and Tartaglia.

Tarter, Henry G., assignor to Bendix Aviation Corporation, South Bend, Ind. Charge forming device. 2,495,299, Jan. 24.

Tarwater, Lawson, assignor of one-third to N. P. Marshall, one-third to W. S. Marshall, and one-third to G. H. Ide, Redlands, Calif. Combination lock nut and washer. 2,529,854, Nov. 14.

Tarzian, Peter J., Brooklyn, N. Y. Paper roll device. 2,517,809, Aug. 8.

Tarzian, Sarkes: *See*—
Sziklai, George C., and Tarzian.

Tassan, Gian M., assignor to Società Italiana Ernesto Breda Per Costruzioni Meccaniche, Milan, Italy. Sliding lock for breech bolts of automatic shotguns. 2,527,895, Oct. 31.

Tassano, Antone G., assignee: *See*—
Cahill, William H.

Tata Iron & Steel Co. Ltd., The, assignee: *See*—
Kuka, Kai-Kobads.

Tate, Albert E., assignee: *See*—
Streader, William J.

Tate, Herman D.: *See*—
Harris, Walter D., Tate, and Zukel.
Kulka, Marshall, and Tate.
Tate, Malcolm C., Stamford, Conn., assignor to The Baldwin Locomotive Works. Low load weighing accessory for testing machines. 2,501,623, Mar. 21.
Tate, Nelson H.: *See*—
Hull, Donald R., Phillips, and Tate.
Tate, William L., Liverpool, and A. A. Oakes, Nottingham, England. Permutation electric switch. 2,494,015; Jan. 10.
Tatnall, Joseph S., Gordon Heights, Del., assignor to Audiscope Corporation. Practice keyboard. 2,525,188, Oct. 10.
Tatosian, Harry G., Bronx, assignor to King Kone Corporation, New York, N. Y. Apparatus for making toast. 2,514,977, July 11.
Tatra narodni podnik, assignee: *See*—
Březek, Rudolf.
Tatra, národní podnik, Koprivnice, assignee: *See*—
Růžička, Jaroslav.
Tattersall, Alfred J., Preston, England. Rubber hot-water bottle. 2,512,448, June 20.
Tattle, William I., Toronto, Ontario, Canada, assignor, by mesne assignments, to Valcourt, Inc., Boonton, N. J. Puff-finishing machine. 2,518,201, Aug. 8.
Tatum, Joseph F., Hattiesburg, Miss. Safety plug. 2,514,911, July 11.
Tatum, William W.: *See*—
Slinger, Frank H., and Tatum.
Tau, Bruce E., assignor to Freyn Engineering Company, Chicago, Ill. Stove checker assembly. 2,493,470, Jan. 3.
Taub, Abraham, and M. Mattikow, New York, N. Y., assignors to Vodol Company, Chicago, Ill. Ointment base of glycerine with phosphatide and petrolatum. 2,532,206, Nov. 28.
Taub, Alex, assignor to Taub Engine Corp., Washington, D. C. Internal-combustion engine. 2,506,250, May 2.
Taub Engine Corp., assignee: *See*—
Taub, Alex.
Taub, William, Rehovoth, Palestine. 5-cycloheptenyl-5-ethyl barbituric acid and salts thereof. 2,501,551, Mar. 21.
Tauber, Francis W.: *See*—
Thor, Clifford J. B., Tauber, and Tripp.
Tanberg, Ragnar, Drammen, Norway. Feeding raw materials to smelting furnaces. 2,508,629, May 23.
Taubert, Charles F., assignor of one-half to E. H. Taubert, Scarsdale, N. Y. Making pile fabrics. 2,495,666, Jan. 24.
Taubert, Elizabeth H., assignee: *See*—
Taubert, Charles F.
Taulman, Flora L., assignee: *See*—
James, Lorenzo D.
Taunton Pearl Works, assignee: *See*—
Ormsbee, Willard A.
Rowan, Albert J.
Tauss, Morris E., Rockaway Park, N. Y. Innerspring construction for mattresses, cushions, and the like. 2,529,268, Nov. 7.
Tauty, René, Clichy, assignor to Society: Etudes et Fabrications Aeronautiques, S. A. R. L., Paris, France. Parachute rigging or harness. 2,527,972, Oct. 31.
Taverner, Robert V., Boulder, Colo. Fountain brush attachment for collapsible tubes. 2,505,441, Apr. 25.
Tawney, Pliny O., and J. G. Kuderna, Jr., Passaic, N. J., assignors to United States Rubber Company, New York, N. Y. Interpolymers of styrene, fumaric esters, and chlorinated alkenes. 2,498,099, Feb. 21.
Tawney, Pliny O., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Plasticized acrylonitrile-isobutylene copolymer. 2,504,054, Apr. 11.
Tawney, Pliny O., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Interpolymerization. 2,505,844, May 2.
Tawney, Pliny O., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Interpolymers of allyl alcohol and alkyl diesters of an alpha-unsaturated dicarboxylic acid. 2,507,871, May 16.
Tawney, Pliny O., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Preparation of maleimide and N-substituted derivatives. 2,524,145, Oct. 3.
Tawney, Pliny O., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Di-2-alkenyl phthalate polymers. 2,524,684, Oct. 3.
Tawney, Pliny O., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Polymeric materials derived from di-2-alkenyl phthalates. 2,524,685, Oct. 3.
Tawney, Pliny O., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Interpolymers of styrene, an allylic fumarate, and an allylic alcohol. 2,526,434, Oct. 17.
Tawney, Pliny O., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. N-methylol maleimide. 2,526,517, Oct. 17.
Tawney, Pliny O., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Dialkyl 2-alkoxyethanephosphonates and preparing. 2,535,172, Dec. 26.
Tawney, Pliny O., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. 3-phosphonopropane-1,1-dicarboxylic acid esters and preparation. 2,535,173, Dec. 26.
Tawney, Pliny O., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Mercaptoethanephosphonates. 2,535,174, Dec. 26.
Tawney, Pliny O., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Nitroalkanephosphonates. 2,535,175, Dec. 26.
Taylor, Albert H., Long Beach, Calif. Supporting frame for food grinders and the like. 2,516,271, July 25.
Taylor, Albert H., Prince Georges County, Md. Oscilloscope sweep circuit. 2,519,413, Aug. 22.
Taylor, Allan J.: *See*—
Beem, Marvel D., and Taylor.
Taylor, Allan J., Los Angeles, assignor of one-half to M. Beem, West Los Angeles, and one-half to The Beem Foundation, Los Angeles, Calif. Invalid's bed. 2,500,741, Mar. 14.
Taylor, Allan J., Los Angeles, assignor of one-half to M. Beem, West Los Angeles, and one-half to The Beem Foundation, Los Angeles, Calif. Invalid's bed. 2,500,742, Mar. 14.
Taylor, Allen R.: *See*—
Conlon, Thomas A., Davidson, Taylor, Richardson, Riniker, and Beitzel.
Taylor, Arthur W. C., H. N. Rose, and T. Alderson, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited. Dehydrogenation of organic compounds. 2,503,641, Apr. 11.
Taylor, Auburn, Charleston, W. Va. Folding table leg structure. 2,500,389, Mar. 14.
Taylor, Auburn, Charleston, W. Va. Collapsible box unit. 2,532,863. Dec. 5.
Taylor, Barney L., Garrett Park, Md. Stereoscopic viewing device. 2,528,673, Nov. 7.
Taylor, Basil C., Detroit, Mich. Golf practicing apparatus. 2,510,266, June 6.
Taylor, Ben, assignee: *See*—
Merritt, Richard I.
Taylor, Byron M., San Diego, Calif. Arch support. 2,530,637, Nov. 21.
Taylor, Charles H., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Nozzle for suction cleaners. 2,495,875, Jan. 31.
Taylor, Charles H., West Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Brush roll adjustment for suction cleaners. 2,495,876, Jan. 31.
Taylor, Charles H., New Barnet, assignor to The Rawlplug Company Limited, London, England. Anchoring device. 2,525,736, Oct. 10.
Taylor, Charles R.: *See*—
Woods, Arthur P., Jr., and Taylor.
Taylor, Charles R., Scott City, Kans. Exhaust pipe end cover. 2,494,016; Jan. 10.
Taylor, Charles S., Los Angeles, Calif., assignor, by mesne assignments, to McClintock-Taylor, Inc. Decontaminator for petroleum fluids. 2,525,154, Oct. 10.
Taylor, Clarence E., and S. J. Gwoosh, Newark, N. J. Cigarette lighter. 2,524,239, Oct. 3.
Taylor, Clarence R., Chicago, assignor to Whiting Corporation, Harvey, Ill. Radiant tube type annealing oven. 2,513,597, July 4.
Taylor, Clement F., Peabody, C. W. McCarty, Swampscott, and A. G. Stimson, Lynnfield, Mass., assignors to General Electric Company. Exposure meter instrument. 2,509,893, May 30.
Taylor, Daniel H., South Pasadena, Calif. Power transmission belt guide. 2,499,173, Feb. 28.
Taylor, David: *See*—
Mansfield, Samuel A., Taylor, and Smith.
Taylor, Dennis: *See*—
Bowen, Edward G., Taylor, and Budden.
Taylor, Don, Detroit, Mich. Hair shaper. 2,530,917, Nov. 21.
Taylor, Don, Detroit, Mich. Hair shaper. 2,530,918, Nov. 21.
Taylor, Donald G., Los Angeles, Calif. Counterbalanced closure. 2,523,929, Sept. 26.
Taylor, Earl M.: *See*—
Alger, Milton W., and Taylor.
Taylor, Edward C., Valley Stream, and A. F. Brenneis, Brooklyn, N. Y. Cable bending and twisting machine. 2,494,595, Jan. 17.
Taylor, Edward C., Valley Stream, N. Y. Current-control apparatus for potential-measuring apparatus. 2,497,918, Feb. 21.
Taylor, Edward C., and W. H. Hoppmann, II, Valley Stream, and F. Lager, New York, N. Y. Velocity measuring apparatus adapted for use in impact testing machines. 2,503,307, Apr. 11.
Taylor, Edward C., Valley Stream, and F. Lager, New York, N. Y. Specimen mounting for high-speed tensile testing. 2,520,979, Sept. 5.
Taylor, Elmer H., assignor to The Chase-Shawmut Company, Newburyport, Mass. Circuit breaker. 2,496,072, Jan. 31.
Taylor, Elmer H., assignor to The Chase-Shawmut Company, Newburyport, Mass. Plug type fuse. 2,527,160, Oct. 24.
Taylor, Elzie R., Gomer, Ohio. Antenna mounting. 2,530,740, Nov. 21.
Taylor Engines Inc., assignee: *See*—
Taylor, Lloyd M.
Taylor, Eric H., Buxton, England. Thermally controlled electric switch. 2,503,008, Apr. 4.

Taylor, Eugene V., Chicago, Ill. Vertical axis food grinder or comminutor. 2,495,948, Jan. 31.
Taylor Fibre Co., assignee: *See*—
Muller, George J.
Scherer, Wayne R.
Taylor, Florence E., executrix: *See*—
Taylor, Robert S.
Taylor Forge & Pipe Works, assignee: *See*—
Taylor, James H.
Taylor, Francis J., Jr., Baltimore, Md., assignor, by mesne assignments, to T. A. Sulkie. Stapling machine. 2,500,217, Mar. 14.
Taylor, Frank, assignor to Thomas Taylor & Sons, Inc., Hudson, Mass. Apparatus for tensioning strands. 2,499,888, Mar. 7.
Taylor, Frank C., Jr., Ann Arbor, assignor to The Dow Chemical Company, Midland, Mich. Keeping hot propylene glycol noncorrosive to metals. 2,517,734, Aug. 8.
Taylor, Frank F., Co., assignee: *See*—
Gill, Donald W.
Taylor, Forrest H.: *See*—
Baxmeyer, Charlotte, Meyersieck, and Taylor.
Taylor, Garthwood R.: *See*—
Martin, Thomas B., Berninger, Haines, May, Theobald, Taylor, and Neudeck.
Taylor, George F., Milltown, Wis. Wall vent. 2,530,919, Nov. 21.
Taylor, George H., Jr., Fort Lauderdale, Fla. Frequency multiplier system. 2,496,026, Jan. 31.
Taylor, Harry, V. E. Hunt, and R. Melcher, Los Angeles, Calif. Screw mounting for platforms or trays. 2,531,925, Nov. 28.
Taylor, Harry W., West Collingswood, N. J., assignor to Radio Corporation of America. Apparatus for forming heat activatable material by dielectric heating. 2,521,808, Sept. 12.
Taylor, Horace P., and C. F. Oliver, Paces, Va. Tree or brush puller attachment for tractors. 2,505,923, May 2.
Taylor, Howard A., assignee: *See*—
Natland, Manley L.
Taylor, Howard A., assignor of one-half to M. L. Natland, Long Beach, Calif., and one-half to L. Callahan. Apparatus for drilling wells. 2,520,517, Aug. 29.
Taylor Instrument Companies, assignee: *See*—
Caldwell, William I.
Dickson, Charles H.
Howard, George E.
Olson, Raymond E.
Olson, Raymond E., and Heller.
Ziegler, John G.
Zuehlke, Arthur A.
Taylor, Jack W.: *See*—
Young, Leonard W., and Taylor.
Taylor, James, and A. H. Phillips, Saltcoats, Scotland, assignors to Imperial Chemical Industries Limited, Safety sheathed blasting explosive cartridge. 2,513,531, July 4.
Taylor, James, Saltcoats, and J. M. Holm, West Kilbride, Scotland, assignors to Imperial Chemical Industries Limited. Pesticidal or insect-repellant fumigating compositions. 2,532,349, Dec. 5.
Taylor, James H., Oak Park, assignor to Taylor Forge & Pipe Works, Cicero, Ill. Method of and machine for making pipe fittings. 2,534,185, Dec. 12.
Taylor, James W., Los Angeles, Calif. Shoe heel. 2,535,102, Dec. 26.
Taylor, John R., Westmount, Quebec, assignor to R. K. Wurtele, Goderich, Ontario, Canada. Sodium bicarbonate production. 2,527,340, Oct. 24.
Taylor, Lawrence H., New York, N. Y. Establishing electrical connections in electrical apparatus. 2,502,291, Mar. 28.
Taylor, Lloyd M., San Leandro, assignor to Taylor Engines Inc., Oakland, Calif. Intake manifold. 2,506,180, May 2.
Taylor, Lorenzo D.: *See*—
MacMahon, James D., and Taylor.
Taylor, Maurice C., Niagara Falls, N. Y., assignor to Mathieson Chemical Corporation. Dichlorostyrene as accelerator in the polymerization of butadiene-1,3 with styrene. 2,529,201, Nov. 7.
Taylor, Maurice K., Eastlothian, Scotland, assignor to Ferranti Limited, Hollinwood, near Oldham, England. Piezoelectric multiplying device. 2,513,899, July 4.
Taylor, Maurice K., East Lothian, Scotland. Detection of phenomena capable of setting up vibration. 2,524,579, Oct. 3.
Taylor, Maurice K., assignor to Ferranti Limited, Hollinwood, England. Wave-signal responder system. 2,524,491, Oct. 3.
Taylor, Maurice K., Hollinwood, and F. C. Williams, Manchester, assignors to Ferranti Limited, Hollinwood, England. Thermionic-valve system. 2,495,949, Jan. 31.
Taylor, Maurice K., Belmont, Scotland, and A. D. Knowles, Chadderton, assignors to Ferranti Limited, Hollinwood, England. Measurement or variation of physical states of materials. 2,508,081, May 16.
Taylor, Maurice K., Hollinwood, and R. S. Paulden, Burnage, assignors to Ferranti Limited, Hollinwood, England. Wave-signal responder system. 2,524,495, Oct. 3.
Taylor, Max D., Jackson, Mich. Shirt construction. 2,494,496; Jan. 10.
Taylor, Merritt I., Richmond, Va. Cluster controller. 2,506,118, May 2.
Taylor, Merritt I., Richmond, Va. Honeycomb uncapping machine. 2,531,709, Nov. 28.
Taylor Metal Products Company, assignee: *See*—
Taylor, Richard G.
Taylor, Milton C., assignor to The Bastian-Blessing Company, Chicago, Ill. Coin controlled vending machine. 2,518,095, Aug. 8.
Taylor, Morris P., Stanford University, Calif. Clamping and shock absorbing device. 2,519,721, Aug. 22.
Taylor, Moulton B.: *See*—
Sparks, Earl C., Jr., and Taylor.
Taylor, Moulton B., Longview, Wash. Automatic pilot for small and pilotless aircraft. 2,527,598, Oct. 31.
Taylor, Myron L.: *See*—
Lawrence, Donald M., Gregg, and Taylor.
Taylor, Neil B., assignor to Motorola, Inc., Chicago, Ill. Remote control system. 2,524,300, Oct. 3.
Taylor, Norman H., Manchester, Mass., and R. M. Wilmotte, said Taylor assignor to R. M. Wilmotte, Washington, D. C. Automatic electronic tolerance monitor. 2,532,964, Dec. 5.
Taylor, Norman W., Cleveland Heights, assignor to The Warner & Swasey Company, Cleveland, Ohio. Hydraulic power system. 2,501,483, Mar. 21.
Taylor, Oliver I., assignee: *See*—
Baker, George L.
Taylor, Owen L., Beaver Falls, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Mechanical interlock. 2,525,501, Oct. 10.
Taylor, Owen L., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Speed-torque control for wound-rotor induction motors. 2,501,361, Mar. 21.
Taylor, Owen L., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Latch for contactors. 2,523,163, Sept. 19.
Taylor, Paul A., assignor to Ideal Manufacturing Company, Des Moines, Iowa. Pulsator apparatus for milking machines. 2,516,354, July 25.
Taylor, Ralph B., Sr., East Cleveland, Ohio, and R. Whewell, Jr., New Bedford, Mass., assignors to The Warner & Swasey Company, Cleveland, Ohio. Cloth cutter. 2,530,134, Nov. 14.
Taylor, Ralph E.: *See*—
Wilson, Douglas W., and Taylor.
Taylor, Reginald, and G. T. Baker, Liverpool, England, assignors to Automatic Electric Laboratories Inc., Chicago, Ill. Two-motion type automatic telephone switch arranged for testing two or more lines of a selected group simultaneously. 2,504,755, Apr. 18.
Taylor, Reginald and G. T. Baker, Liverpool, England, assignors to Automatic Electric Laboratories Inc., Chicago, Ill. Interconnecting arrangement between telephone systems of the Strowger and Rotary revertive control types. 2,508,656, May 23.
Taylor, Richard G., assignor to Taylor Metal Products Company, Mansfield, Ohio. Disk spacer. 2,527,234, Oct. 24.
Taylor, Riley H., Portland, Oreg. Electric heating system with modulating control. 2,498,054, Feb. 21.
Taylor, Robert C.: *See*—
Hunter, James B., Taylor, and Young.
Taylor, Robert J.: *See*—
Webb, Wesley L., Randolph, and Taylor.
Taylor, Robert L., Akron, Ohio. Auto road sander. 2,531,654, Nov. 28.
Taylor, Robert S., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Gas burner igniter. 2,515,102, July 11.
Taylor, Robert S., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Ice tray. 2,535,176, Dec. 26.
Taylor, Robert S., Seattle, Wash., F. E. Taylor, executrix of said R. S. Taylor. Synchronizing clutch for speed change systems. 2,498,464, Feb. 21.
Taylor, Robert S., deceased, Seattle, Wash.; F. E. Taylor, executrix of said R. S. Taylor. Transmission lubrication. 2,518,837, Aug. 15.
Taylor, Roy J., Kew Gardens Mills, assignor to Chas. Pfizer & Co., Inc., New York, N. Y. Two tower process for recovery of streptomycin employing cation-exchange resins. 2,528,188, Oct. 31.
Taylor, Samuel M., Chicago, Ill. Tape punching machine. 2,507,618, May 16.
Taylor, Smith & Taylor Company, assignee: *See*—
Bower, James A.
Taylor, Smith & Taylor Company, The, assignee: *See*—
Bower, James A.
Taylor, Stanford E., Levittown, N. Y. Timed reading device. 2,535,243, Dec 26.
Taylor, Taylor & Hobson Limited, assignee: *See*—
Cook, Gordon H.
Warmisham, Arthur.
Taylor, Theodore R., Spokane, Wash. Device for producing margined photographs. 2,524,941, Oct. 10.
Taylor, Thomas, & Sons, Inc., assignee: *See*—
Taylor, Frank.
Taylor, Vernon A., Corona, N. Y. Aircraft emergency exit system. 2,522,849, Sept. 19.
Taylor, Victor E., Nampa, Idaho. Electric shoe shiner with movable shoe polish applying receptacle. 2,493,426, Jan. 3.

Taylor, Walter P., New Rochelle, N. Y. Phosphorescent panel sign. 2,509,707, May 30.
Taylor, William, Salford, England. Mobile crane. 2,502,108, Mar. 28.
Taylor, William F., Tulsa, Okla. Combination woodworking lathe and drill press bearing. 2,517,608, Aug. 8.
Taylor, William H.: *See*—
Jorgensen, Clarence H., and Taylor.
Taylor, William H., Leavenworth, Kans. Crosstie and rail anchor assembly. 2,517,810, Aug. 8.
Taylor, William H., San Leandro, Calif. Magnet-operated switch. 2,495,149, Jan. 17.
Taylor, William H., Waukesha, Wis. Sweeper for land mines. 2,496,423, Feb. 7.
Taylor, William P., assignor to The Champion Paper and Fibre Company, Hamilton, Ohio. Apparatus for coating paper. 2,534,320, Dec. 19.
Taylor, William P., assignor to The Champion Paper and Fibre Company, Hamilton, Ohio. Coating method and apparatus. 2,534,321, Dec. 19.
Taylor, William R., Jr., Cleveland Heights, Ohio. Shuttle binder box. 2,498,970, Feb. 28.
Taylor-Winfield Corporation, assignee: *See*—
Riley, Joseph J.
Seeloff, Melvin M.
Smith, Clyde E.
Thomas, Charles W., and Smith.
Taylor-Winfield Corporation, The, assignee: *See*—
Coates, Clyde E.
Seeloff, Melvin M. A.
Smith, Clyde E.
Tea, Clark A., assignor to The Murray Corporation of America, Detroit, Mich. Transmission mechanism. 2,509,997, May 30.
Teach, Max K., assignor to The Columbus Show Case Company, Columbus, Ohio. Tiltable shelf construction for merchandise display cases. 2,517,735, Aug. 8.
Teague, Ernest D., Welwyn Garden City, England, assignor to Norton Company, Worcester, Mass. Organic bonded abrasive product. 2,529,712, Nov. 14.
Teague, Jackson U., Powellsville, N. C. Meat hanger. 2,505,159, Apr. 25.
Teague, Merwyn, C., Ridgewood, N. J., assignor to United States Rubber Company, New York, N. Y. Leather-like material. 2,533,976, Dec. 12.
Teague, Walter D., Jr., Alpine, assignor to Bendix Aviation Corporation, Teterboro, N. J. Cabin supercharger control means and system. 2,507,945, May 16.
Teahen Associates, Inc., assignee: *See*—
Teahen, James M.
Goetz, Harry F.
Teahen, James M., assignor to Teahen Associates, Inc., Detroit, Mich. Flushing apparatus. 2,501,589, Mar. 21.
Teal, Eric F., and E. P. Davey, Wealdstone, England, assignors to Eastman Kodak Company, Rochester, N. Y. Sensitive photographic materials. 2,500,140, Mar. 7.
Teal, Harry H.: *See*—
Kelly, John H., and Teal.
Tear, Harry R., Evanston, assignor to Stewart-Warner Corporation, Chicago, Ill. Lubricant operated coupler. 2,533,637, Dec. 12.
Tear, James D., Great Neck, N. Y., assignor to The Sperry Corporation. Stable vertical mechanism. 2,504,604, Apr. 18.
Teare, William H., Ballston Lake, N. Y., assignor to General Electric Company. Initiating the arc in mercury-pool tubes. 2,523,789, Sept. 26.
Teasdale, Frank, Chandler, Ariz. Book lock. 2,506,846, May 9.
Tecalemit Limited, assignee: *See*—
Le Clair, Camille C. S.
Tecalemit Societe Anonyme, assignee: *See*—
Billon, Marcel M. M.
Techne (Cambridge) Limited, assignee: *See*—
De Bruyne, Norman A.
Technical Specialties Company, assignee: *See*—
Decker, William E.
Technicolor Motion Picture Corporation, assignee: *See*—
Clark, John R., Jr.
Clark, Lauriston E.
Pohl, Wadsworth E.
Rackett, Gerald F.
Tull, Alan G.
Technicon Cardiograph Corporation, assignee: *See*—
Gorham, George.
Technitrol Engineering Company, Inc., assignee: *See*—
Sharpless, Thomas K., and Eichert.
Technology Instrument Corporation, assignee: *See*—
Packard, Lucius E.
Teck, Edward A.: *See*—
Weber, John A., and Teck.
Tecnica Industrial y Comercial Sociedad Anonima Tecosa, assignee: *See*—
Clausen, Heriberto E. G. J., and Fabia.
Tecumseh Refrigeration Sales and Engineering Company, assignee: *See*—
Touborg, Jens.
Tedrick, William V., Reynoldsburg, Ohio, assignor to Curtiss-Wright Corporation. Adjustable stop attachment for height gauges. 2,519,942, Aug. 22.

Tedstrom, A. W., administrator: *See*—
King, Frank A.
Teece, Cecil A. S., Barton, Canberra, Australia. Automatic control for burst firing. 2,532,794, Dec. 5.
Teel, Jess E., assignee: *See*—
Bates, Harry U., and Perkins.
Teele, Ray P., Jr., Berkeley, Calif., assignor to the United States of America as represented by the Secretary of Commerce. Blackout automobile headlight mask. 2,507,552, May 16.
Teele, Ray P., Jr., Berkeley, Calif., assignor to the United States of America as represented by the Secretary of Commerce. Headlamp for motor vehicles. 2,518,505, Aug. 15.
Teemsma, William L., Rutherford, N. J. Machine for forming rosettes. 2,528,622, Nov. 7.
Teepe, Laurens J. M., Eerbeek, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Plant for treating objects in a liquid. 2,505,371, Apr. 25.
Teeple, John H., Caldwell, N. J., and A. Strickler, New York, N. Y., assignors to Celanese Corporation of America. Interferometer means for thickness measurements. 2,518,647, Aug. 15.
Teerlink, James, and J. D'Mohowski, Chicago, and N. E. Pearson, Evergreen Park, Ill., assignors to Chains, Inc. Method and apparatus for inserting attachment links in conveyer chains. 2,499,336, Feb. 28.
Teeters, Wilber O., River Edge, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Hydrogenation of nitroxylene to produce xylidine. 2,526,913, Oct. 24.
Teetor, Macy O., New Castle, Ind. Magnetic writing pad. 2,497,332, Feb. 14.
Teetor, Macy O., New Orleans, La. Magnetic door catch. 2,508,305, May 16.
Teetor, Ralph R., Hagerstown, Ind. Speed control device for resisting operation of the accelerator. 2,519,859, Aug. 22.
Teevin, Andrew P., Detroit, Mich. Variable snap gauge. 2,521,883, Sept. 12.
Teffault, George J., Royal Oak, Mich. Illuminated gun sight. 2,529,057, Nov. 7.
Tefft, Ivan D., and M. S. Baker, assignors to The Parker Pen Company, Janesville, Wis. Mechanical pencil with push-button type lead feeding means. 2,503,080, Apr. 4.
Tegge, Bruce R., Roselle, N. J., assignor to Standard Oil Development Company. Low-temperature polymerization at the freezing point of the polymerizate material. 2,529,318, Nov. 7.
Te Grotenhuis, Theodore A., Olmsted Falls, Ohio. Making synthetic rubber-carbon black compositions without mastication. 2,512,697, June 27.
Teichman, Joseph R., Perry, Mich. Rotary cutter vine lifter. 2,510,728, June 6.
Teichmann, Charles F., Mount Vernon, assignor to Texaco Development Corporation, New York, N. Y. Control system for closure means. 2,499,889, Mar. 7.
Teigen, Ferdinand A., assignor to United States Air Conditioning Corporation, Minneapolis, Minn. Processing potatoes. 2,524,182, Oct. 3.
Teigman, Max, New York, N. Y. Automatically variable cone friction drive. 2,526,435, Oct. 17.
Teitel, Sidney: *See*—
Goldberg, Moses W., and Teitel.
Tekel, Ralph: *See*—
Natelson, Samuel, Kramer, and Tekel.
Telasco, Joseph, New York, N. Y. Stick holder for frozen lollipops. 2,508,201, May 16.
Telasky, Clifford H., assignee: *See*—
Telasky, Sam.
Telasky, Sam, assignor of fifty per cent to C. H. Telasky, Bloomville, N. Y. Smoothing plane. 2,497,701, Feb. 14.
Telbizoff, Louis E., Monroe, Mich. Speed controlling mechanism for revolving doors. 2,511,793, June 13.
Telbizoff, Louis E., Monroe, Mich. Variable area nozzle. 2,531,896, Nov. 28.
Telechron, Inc., assignee: *See*—
Boyles, Robert L.
Prophet, Otto O.
Telecommunication Labs., Inc., assignee: *See*—
Parker, Louis W.
Teleflex Incorporated, assignee: *See*—
Brouse, William H. D.
Teleflex Products Limited, assignee: *See*—
Pile, Sydney.
Keen, Charles P.
Telefonaktiebolaget, L. M. Ericsson, assignee: *See*—
Ahlberg, Curt F.
Alfvén, Hannes O. G., and Romanus.
Blomberg, Knut H.
Engqvist, Erik I.
Ericsson, Eric A.
Ericsson, Erik A., and Jacobaeus.
Franzén-Lutz, Britta and Lutz.
Holmqvist, Seth A.
Jacobaeus, Anton C.
Jonsson, Johan A.
Jörgensen, Anders O.
Lundkvist, Karl A.
Nilsson, Nils E., and Johnson.
Peterson, Nils V.

Telefonaktiebolaget L. M. Ericsson, assignee: *See*—Con.
Rapp, John A. D. Y.
Rodhe, Sven M.
Sohlberg, Carl O.
Spanne, Henning.
Szabó, Henrik.
Thunell, Karl H., and Vigren.
Vigren, Stan D., Broberg, and Olsson.
Wiberg, Eric A.

Telegraph Condenser Company Limited, The, assignee: *See*—
Sporing, Percy A.
Sporing, Percy A., and Johnson.

Tele-Industrie S. A. R. L., assignee: *See*—
De France, Henri G., and Bocquel.

Telenik, Eugene, New York, N. Y. Machine for ashing, roughing, and polishing articles made of plastic. 2,495,036, Jan. 17.

Telephone & Electrical Industries Pty. Limited, assignee: *See*—
Harvey, Hubert.

Telephone Manufacturing Company Limited, assignee: *See*—
Harrison, Kenneth W.
Tillman, John R.

Telephonics Corporation, assignee: *See*—
Weidenman, William T.

Teleregister Corporation, The, assignee: *See*—
Bush, George L.

Teletone Radio Corporation, assignee: *See*—
Ostreicher, Warren J.
Ostreicher, Warren J., and Mautner.
Singer, Benjamin.

Teletype Corporation, assignee: *See*—
Keyes, George G.
Levin, Carl A.
Lorenz, Otto A., and Yarnell.
Nilson, Arthur N.
Potts, Louis M.
Richardson, Henry I.
Schuler, Reginald G.
Sim, Gordon.
Vee, Richard F.
Zenner, Walter J.

Television Associates, Inc., assignee: *See*—
Eddy, William C.

Telex Inc., assignee: *See*—
Gilbert, Russell C., and Wilbrecht.
Mullin, Clayton D.

Telfor, Clarence F., St. Clair Shores, and C. Pallenberg, Detroit, Mich. Bevel gear holder. 2,511,954, June 20.

Telford, Ronald, Newport, Isle of Wight. Switch means for indicating time intervals. 2,523,602, Sept. 26.

Tell, Philip, Madison, N. J. Assembling strung bead necklaces. 2,529,059, Nov. 7.

Tell, Philip, Madison, and A. Lehrhoff, Morristown, N. J. Device for predetermining fitting lengths of ornament strings. 2,529,058, Nov. 7.

Tell, Sven A., Akeslund, assignor to Ingerjorsfirman Ljung & Lindqvist, Stockholm, Sweden. Pulling and stretching device. 2,511,305, June 13.

Tell-A-Turn Corporation, assignee: *See*—
Bucky, Peter A.

Tellefsen, Thomas E., Seattle, Wash. Toy bathtub. 2,533,534, Dec. 12.

Teller, William M.: *See*—
Tandler, William S., Walker, De Wiess, and Teller.

Tellier, Andre, New York, N. Y. World clock. 2,496,826, Feb. 7.

Tellier, Andre, New York, N. Y. Educational apparatus. 2,496,827, Feb. 7.

Tellier, Andre, New York, N. Y. Safety drinking cup. 2,529,114, Nov. 7.

Tellier, Andre, New York, N. Y. Educational apparatus. 2,533,535, Dec. 12.

Tellier, Joseph C., Penn Wynne, assignor to Philco Corporation, Philadelphia, Pa. Frequency modulation receiver. 2,520,480, Aug. 29.

Tellier, Joseph C., Penn Wynne, and H. W. Wilson, Jr., assignors, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Superregenerative receiver. 2,511,086, June 13.

Tellkamp, Bernhard F.: *See*—
Zabel, Harold H., Thomson, and Tellkamp.

Tellkamp, Bernhard F., Whitefish Bay, assignor to Allen-Bradley Company, Milwaukee, Wis. Variable resistor apparatus. 2,514,682, July 11.

Tellkamp, Bernhard F., Whitefish Bay, assignor to Allen-Bradley Company, Milwaukee, Wis. Electronic timer. 2,515,477, July 18.

Telschow, William F., Rutherford, assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Package spout. 2,510,530, June 6.

Temko, Richard S.: *See*—
Simon, Justin, and Temko.

Temmer, Joseph, Escanaba, Mich. Animal tether. 2,502,807, Apr. 4.

Tempe, Andre, West Orange, N. J. Knife. 2,518,838, Aug. 15.

Tempel, Earle D., assignee: *See*—
Farkas, John W.

Temperley, John, assignor to Walmsleys (Bury) Limited, Bury, England. Apparatus for the manufacture of paper. 2,528,189, Oct. 31.

Temple Full Fashioned Hosiery Mills, Inc., assignee: *See*—
Johnson, Robert H.

Temple, George L.: *See*—
Bone, Herbert L., Temple, and Logan.

Temple, Hiram E., Los Angeles, Calif. Train fusee discharger. 2,535,820, Dec. 26.

Temple, Lemuel M., Scarsdale, N. Y., assignor to Raytheon Manufacturing Company, Newton, Mass. Radio tuning device. 2,496,424, Feb. 7.

Temple, Lemuel M., Scarsdale, N. Y., assignor to Raytheon Manufacturing Company, Newton, Mass. Radio tuning device. 2,509,193, May 23.

Temple, Marvin D.: *See*—
Begun, Semi J., and Temple.

Temple, Paul C., assignor to A. W. Cash Company, Decatur, Ill. Pressure regulating valve. 2,519,798, Aug. 22.

Temple, Robert, Swissvale, Pa., assignor to Temple Velocity Equipment, Inc., Wilmington, Del. Explosively actuated driving tool with electric lock. 2,501,362, Mar. 21.

Temple, Robert B., Grosse Pointe, Mich., assignor to The Budd Company, Philadelphia, Pa. Dual wheel mounting. 2,507,285, May 9.

Temple, Robert B., Grosse Pointe, Mich., assignor to The Budd Company, Philadelphia, Pa. Attaching means for surface hardened parts such as plows. 2,519,326, Aug. 15.

Temple, Stanley A., Lakewood, assignor, by mesne assignments, to Portable Industries, Inc., Cleveland, Ohio. Tool. 2,533,851, Dec. 12.

Temple Velocity Equipment, Inc., assignee: *See*—
Temple, Robert.

Templeman, William G.: *See*—
Sexton, William A., Slade, and Templeman.

Templeton, Kenly & Co., assignee: *See*—
McMillan, John L.

Templeton, William G., Statesville, N. C. Oilcan operator. 2,526,436, Oct. 17.

Temprite Products Corporation, assignee: *See*—
Graham, Frank O.
Wyllie, John, Jr.

Tenborg, Iona M., Richmond, Calif. Pie and cake cutter. 2,504,756, Apr. 18.

Tendler, Jack, Washington, D. C. Card retaining device. 2,526,297, Oct. 17.

Ten Eyck, William A., assignor to Bercut-Richards Packing Company, Sacramento, Calif. Vegetable blanching apparatus. 2,517,942, Aug. 8.

Tenger, Jan: *See*—
Aninga, Johannes B., and Tenger.

Tennefos, Peter E., Fargo, N. Dak. Motor control and piston position indicating device. 2,520,071, Aug. 31.

Tenner, Alfred S., Meadville, Pa. Locking means for outboard motors. 2,529,432, Nov. 7.

Tennessee Coal, Iron and Railroad Company, assignee: *See*—
Hayes, Willie.
Heide, Samuel S.
Lathem, Guy W., and Rodgers.
Moss, Percy H.
Orr, Robert H.
Rodgers, Howard C.
Thomas, Roscoe R.

Tennessee Copper Company, assignee: *See*—
Harike, George E.

Tennessee Eastman Corporation, assignee: *See*—
Hasche, Rudolph L.

Tennessee Valley Authority, assignee: *See*—
Bridger, Grover L.
Evans, Llewellyn.
Hardin, Stanford A.
Harvey, Stewart A., and Bridger.
Hubbuch, Theodore N.
McFarlin, Charles J.

Tenney, Brainard W.: *See*—
Hardin, Clarence N., and Tenney.

Tenney, Dwight, Verona, N. J., assignor, by mesne assignments, to The Standard Stoker Company, Inc., New York, N. Y. Producing bread dough in a mixer at predetermined temperatures. 2,514,301, July 4.

Tenney, William L., Crystal Bay, Minn. Two-stroke cycle engine cylinder and pump. 2,522,649, Sept. 19.

Te Nuyl, Johannes A., Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Air register for burners. 2,515,843, July 18.

Teobald, Phillip E.: *See*—
Martin, Thomas B., Berninger, Haines, May, Theobald, Taylor, and Neudeck.

Teplitz, Alfred, Pittsburgh, Pa. Electrolytic apparatus for cleaning strip. 2,535,966, Dec. 26.

Tepper, J. J., Corporation, assignee: *See*—
Lessler, Lew W.

Terdina, Frank, and W. E. Skidmore, Seattle, Wash., assignors to Boeing Airplane Company. Lead screw stop means. 2,497,424, Feb. 14.

Terhorst, George C., Pittsburgh, Pa. Fish lure. 2,534,482, Dec. 19.

Terkel, Maryan, East Sydney, and H. Silberman, Meadowbank, near Sydney, assignors to National Chemical Products Pty. Limited, East Sydney, New South Wales, Australia. Cosmetic creams. 2,520,980, Sept. 5.

Terlecki, Renat, and R. C. Leigh, assignors to British Telecommunications Research Limited, Taplow, England. Electric band-pass filter. 2,525,566, Oct. 10.
Terlinde, Edward H., St. Paul, Minn. Accordion key holder. 2,514,978, July 11.
Terlizzi, Paul M., Washington, D. C., and V. F. Saitta, U. S. Navy. Dry cell having a plastic case. 2,505,014, Apr. 25.
Terminal Island Sea Foods, Ltd., assignee: *See*—
Shaw, Paul A.
Terpak, Stephen, Pittsfield, Mass., assignor to General Company. Pressure responsive indicating device. 2,497,702. Feb. 14.
Terre Haute Cooperage, Inc., assignee: *See*—
Richards, Edward E.
Terre, Victor J.: *See*—
Messine, Victor J.
Terrill, John B., Jr.: *See*—
Stout, William H., and Terrill, Jr.
Terroni, Teseo B. D., and J. R. Cannon, assignors to Automatic Telephone & Electric Company Limited, Liverpool, England. Indicating arrangement. 2,523,456, Sept. 26.
Terry, Augustus P., Berkeley, Calif. Flue damper with latching means. 2,497,425, Feb. 14.
Terry, Bennett F., Stamford, Conn. Photoprinting processes. 2,493,838; Jan. 10.
Terry, Bennett F., Stamford, Conn. Preparing aluminum plates to receive silver halide emulsion. 2,494,729, Jan. 17.
Terry, Charles W., Tulsa, Okla. Receptacle support. 2,520,818, Aug. 29.
Terry, Daniel H., Plainfield, N. J., and C. W. Croco, Swarthmore, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Substituted gamma-2-thenoyl-butyric acid. 2,497,145, Feb. 14.
Terry, David, Orange, N. J. Scoring tool. 2,507,187, May 9.
Terry, George C., Flushing, N. Y. Clothes clamp. 2,496,109, Jan. 31.
Terry, John F., Washington, D. C. Special package. 2,512,001, June 20.
Terry, Matson C.: *See*—
Peltier, Frank D., and Terry.
Terry, Robert S., Indianapolis, Ind. Dart. 2,504,757, Apr. 18.
Terry, Samuel, El Monte, Calif. Astrological clock disk. 2,527,777, Oct. 31.
Terry, Victor J., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Facsimile device. 2,527,599, Oct. 31.
Terry, Victor J., and E. A. Foulkes, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Vibrating device. 2,523,341, Sept. 26.
Teruya, Jenshiro, Hartford, Conn., and K. Kaneshiro, Honolulu, Territory of Hawaii. Double window sash. 2,503,081, Apr. 4.
Teskey, Mark H., Killarney, Manitoba, Canada. Frozen meat cutter knife guiding assembly. 2,495,394, Jan. 24.
Tesla National Corporation, assignee: *See*—
Vackář, Jiří.
Tesmer, Earl E., Seattle, Wash. Flexible positioner. 2,510,198, June 6.
Tessmann, Alfred H., Chattanooga, Tenn. Armor rod clamp. 2,521,192, Sept. 5.
Tessmer, Raymond G., Sr., Tonawanda, assignor to Arnold Jacobowitz, Buffalo, N. Y. Filter device. 2,508,976, May 23.
Tessin, Laurence H., assignor of one-half to L. M. Weeks, Grand Rapids, Mich. Portable fire escape device. 2,500,884, Mar. 14.
Testi, Nicholas, assignor to Gillette Safety Razor Company, Boston, Mass. Blade magazine. 2,508,436, May 23.
Te Strake, Lambertus, Deurne, Netherlands. Warp knitting machine. 2,505,372, Apr. 25.
Testut, Charles L., and A. Zanetti, New York, N. Y. Fixture for testing cylinders. 2,528,563, Nov. 7.
Teszner, Stanislas, Paris, France. Electric heating plate. 2,500,885, Mar. 14.
Teter, John W., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Reactivating reduced metal oxide catalysts. 2,500,776, Mar. 14.
Teter, John W., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Preparing a cracking or reforming feedstock. 2,532,128, Nov. 28.
Teter, John W., and L. E. Olson, Chicago, Ill., assignors to Sinclair Refining Company, New York, N. Y. Preparing amines and nitriles from ammonia and olefins. 2,520,181, Aug. 29.
Tetlow, William E.: *See*—
McLean, Andrew, Tetlow, and Munro.
Tetzlaff, Walter R., Kalamazoo, Mich. Fence post. 2,515,615, July 18.
Teva Chemical Manufacturing Company Limited, assignee: *See*—
Stein, Berthold.
Tewin Industries, Inc., assignee: *See*—
Higgins, Eric B.
Tewksbury, John M., Skowhegan, Maine. Directive antenna system. 2,526,098, Oct. 17.
Texaco Development Corporation, assignee: *See*—
Garrison, Allen D.
Gee, William P.
Grahame, James H.
Hare, Donald G. C.
Herzog, Gerhard.
Herzog, Gerhard, and Garrison.
Kiersted, Wynkoop, Jr.
Nestle, Alfred C.
Rees, Harry V.
Siegert, Arnold J. F., and Watt.
Strawinski, Raymond J.
Tiechmann, Charles F.
Wolf, Alexander.
Texagon Mills Inc., assignee: *See*—
Staff, Aaron S.
Texas A. and M. Research Foundation, assignee: *See*—
Kirkbride, Chalmer G., and Burtis.
Texas Company, The, assignee: *See*—
Albert, Edward V., Randall, and Barber.
Anné, Charles T., and Nelson.
Arnold, George B., and Hess.
Arnold, George B., Hess, and Stewart.
Arnold, George B., and Kovach.
Arnold, George B., and Skelton.
Ashburn, Harry V., Barnett and Puryear.
Atwell, Harold V.
Barber, Everett M.
Beavon, David K.
Bermingham, James A., Jr.
Bruner, Frank H.
Carkeek, Charles R.
Coley, John R.
Crumrine, Kenneth G.
Davies, James A.
Devaney, Lawrence W.
Eastman, Du Bois.
Evans, Leon M., and Heath.
Fairbairn, George C.
Fenney, William N.
Herzog, Gerhard.
Herzog, Gerhard, and Crumrine.
Hess, Howard V.
Kapp, Robert P., and Knisely.
Kemp, Lebbeus C., Jr.
Kessler, Gordon A.
Kluge, Herman D.
Kluge, Herman D., and Knowles.
Knowles, Edwin C., Eckert, and Puryear.
Kremer, John T.
Kreuz, Kenneth L.
Kreuz, Kenneth L., and Sanderson.
Langer, Theodore W., and Puryear.
Lee, Burton D.
Manley, Robert E.
Moore, Frank J., and Stewart.
Patterson, John A., and Culnane.
Sensel, Eugene E., and Beck.
Sensel, Eugene E., Millendorf, and Beck.
Skelton, William E., and Arnold.
Smith, William R.
Veltman, Preston L., and Goldsby.
Watson, Claude W.
Whaley, Thomas H., Jr.
Texas Foundries, Inc., assignee: *See*—
Yeoman, Ray C.
Texas Gulf Sulphur Company, assignee: *See*—
Zemanek, Arnold F., and Swem.
Zemanek, Arnold F., Swem, Trichler, Williams, and Kelly.
Texas Lawn Sprinkler Company, Inc., assignee: *See*—
Snoddy, Max E.
Texas Toy Horse Manufacturing Company, Ltd., assignee: *See*—
Card, James V.
Tex-O-Kan Flour Mills Company, assignee: *See*—
Thrasher, William B.
Texsun Citrus Exchange, assignee: *See*—
Burdick, Everett M., and Allen.
Burdick, Everette M., and Maurer.
Textile Machine Works, assignee: *See*—
Crawford, Joseph W.
Haehnel, Herbert E.
Textile Mills Company, assignee: *See*—
Pattison, Grange K.
Textile Trimming & Boarding Machine Company, assignee: *See*—
Stout, Harold E.
Thacker, Carlisle M.: *See*—
Bell, Richmond T., and Thacker.
Thacker, Millard F., Fort Sam Houston, Tex. Range finder for rifles. 2,520,072, Aug. 22.
Thacker, Ralph S., Windsor Hills, Calif. Electrical contact device. 2,497,568, Feb. 14.
Thacker, William J., Glen Allen, Va. Machine for making cinder, concrete, or similar blocks. 2,496,682, Feb. 7.
Thaheld, Fred A., Brea, Calif., assignor, by mesne assignments, to Diesel Power Inc., Pittsburgh, Pa. Fuel injection pump. 2,503,458, Apr. 11.
Thaheld, Fred A., Brea, Calif., assignor, by mesne assignments, to Diesel Power Inc., Pittsburgh, Pa. Diesel engine idling control. 2,530,741, Nov. 21.

Thaheld, Fred. A., Brea, assignor to Diesel Power, Inc., Los Angeles, Calif. Operating Diesel-type internal-combustion engines. 2,534,322, Dec. 19.
Thal, Adolph F., Elmhurst, Ill. Variable area sliding vane transmission having rotatable fluid transfer unit between rotors. 2,524,278, Oct. 3.
Thalman, Sally W., assignor to The Warner Brothers Company, Bridgeport, Conn. Foundation garment. 2,519,611, Aug. 22
Thalman, Sally W., assignor to The Warner Brothers Company, Bridgeport, Conn. Foundation garment. 2,529,115, Nov. 7.
Thames, Frank C., San Antonio, Tex. Garden irrigator. 2,511,486, June 13.
Thape, Theodore: *See*—
Gravelle, Frank F., and Thape.
Tharaldsen, Therald W., Drammen, Norway. Freezing apparatus. 2,531,087, Nov. 21.
Tharp, Fred L., East Detroit, Mich. Door check. 2,506,284, May 2.
Tharratt, Alexander, Hessle, England, assignor to Blackburn and General Aircraft Limited. Mounting rockets on aircraft. 2,506,976, May 9.
'T Hart, Marius, Han H., and K. A. Weeda, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif. Reactivation of cobalt oxo catalyst. 2,529,236, Nov. 7.
Thatcher, Linden A., assignor to Pitney-Bowes, Inc., Stamford, Conn. Coin controlled device. 2,499,121, Feb. 28.
Thatcher, Robert R.: *See*—
Dinger, Edward H., and Thatcher.
Thayer, Chester D.: *See*—
Roehner, Theodore G., and Thayer.
Thayer, Helen I., assignor to Koppers Company, Inc., Pittsburgh, Pa. Preparation of 2-picoline sulphur condensation products. 2,496,319, Feb. 7.
Thayer, Helen I., assignor to Koppers Company, Inc., Pittsburgh, Pa. Recovery of phthalic anhydride from still residue. 2,526,710, Oct. 24.
Thayer, Jean M.: *See*—
Fearon, Robert E., Thayer, and Swift.
Swift, Gilbert, Fearon, and Thayer.
Thayer, Jean M., R. E. Fearon, and G. Swift, assignors to Well Surveys, Incorporated, Tulsa, Okla. Method and apparatus for producing neutron logs of drill holes. 2,515,534, July 18.
Thayer, Jean M., G. Swift, and R. E. Fearon, assignors to Well Surveys, Incorporated, Tulsa, Okla. Method and apparatus for neutron well logging. 2,515,535, July 18.
Thayer, Joseph T., Jr., Hatboro, assignor to Henry Disston and Sons, Inc., Philadelphia, Pa. Lawn rake. 2,497,192, Feb. 14.
Thayer, Norman C., Como, Colo. Automatic toggle actuated grip wrench. 2,499,201, Feb. 28.
Thayer, Richard D., Worcester, Mass. Recording stylus feed means. 2,528,190, Oct. 31.
Thayer, Russell M., Kenmore, N. Y., assignor to The Linde Air Products Company. Dispensing and measuring the quantity of liquefied gases. 2,502,184, Mar. 28.
Thayer, Walter J.: *See*—
Curran, Stanley T., and Thayer.
Thearle, Ernest L.: *See*—
Schnell, Frank A., and Thearle.
Theatre Specialties, Incorporated, assignee: *See*—
Ownbey, Lloyd C.
Theiler, Hans J., assignor to Whitin Machine Works, Whitinsville, Mass. Bobbin marking machine. 2,501,106, Mar. 21.
Theillaumas, Clement M., Boulogne-Billancourt, France, assignor to International Standard Electric Corporation, New York, N. Y. Sensitive gas tube pulse receiving and repeating system. 2,498,723, Feb. 28.
Theilman, Milton R., Cincinnati, assignor to L. Demsey, Cleveland, Ohio. Storm sash. 2,495,877, Jan. 31.
Theimer, Leo, New York, N. Y. Leveling apparatus and method. 2,505,812, May 2.
Theimer, Oscar, New York, N. Y. Turbine. 2,524,549, Oct. 3.
Theis, Victor M., Chicago, Ill. Table with mechanism whereby its top may be increased or decreased. 2,522,202, Sept. 12.
Theisen, Eugene J., East Orange, N. J. Key-operated adding machine. 2,513,532, July 4.
Theisen, John P.: *See*—
Farr, Edward A., and Theisen.
Thelander, W. Vincent, Auburn, Ind., assignor to Dana Corporation, Toledo, Ohio. Automatic clutch. 2,513,378, July 4.
Thelander, W. Vincent, Auburn, Ind., assignor to Dana Corporation, Toledo, Ohio. Friction clutch plate. 2,513,379, July 4.
Thelander, W. Vincent, Auburn, Ind., assignor to Dana Corporation, Toledo, Ohio. Friction clutch. 2,519,414, Aug. 22.
Thelander, W. Vincent, Auburn, Ind., assignor to Dana Corporation, Toledo, Ohio. Clutch plate. 2,520,180, Aug. 29.
Thelander, W. Vincent, Auburn, Ind., assignor to Dana Corporation, Toledo, Ohio. Friction clutch plate. 2,524,146, Oct. 3.
Thelander, W. Vincent, Auburn, Ind., assignor to Dana Corporation, Toledo, Ohio. Friction clutch plate. 2,524,147, Oct. 3.
Thelander, W. Vincent, and E. M. De Coursey, Auburn, Ind., assignors to Dana Corporation, Toledo, Ohio. Axially engaging opposed clutch. 2,515,277, July 18.
Thelin, George W., Wellesley, assignor to Fenwal Incorporated, Ashland, Mass. Fire detector cable. 2,501,457, Mar. 21.
Themak, Edward, Northport, assignor to Davis & Geck, Inc., Brooklyn, N. Y. Reel for metal sutures. 2,499,890, Mar. 7.
Themascus, John, Sr., Chicago, Ill. Toaster. 2,526,437, Oct. 17.
Theobald, Clement W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. 5-alkoxy sebacic acid and process. 2,499,797, Mar. 7.
Theodorackis, Manuil G., Johannesburg, Transvaal, Union of South Africa. Preventing theft of cycles. 2,532,864, Dec. 5.
Théonville, Wilhelmus, Zurich, Switzerland, assignor to Maatschappij Van Berkel's Patent N. V., Rotterdam, Netherlands. Apparatus for weighing and establishing volume of loose material. 2,526,298, Oct. 17.
Theratronics Limited, assignee: *See*—
MacPhail, Angus.
Theriault, Lucien, New Haven, Conn. Self-locking electrical connector. 2,498,743, Feb. 28.
Theriault, Raymond J., Glenside, assignor to The Budd Company, Philadelphia, Pa. Body construction, especially for railway cars. 2,504,658, Apr. 18.
Therm Alarm Company, Inc., The, assignee: *See*—
Torrisi, Anthony A.
Thermacote Company, assignee: *See*—
Derby, Marshall T.
Thermactor Corporation, assignee: *See*—
Ackley, Charles S.
Thermal Liquids, Inc., assignee: *See*—
Oaks, Orion O.
Thermo Electric Fuse Corp.: *See*—
Carle, Rene.
Therolf, Harold L., Los Nietos, Calif. Rubber insert type reciprocating valve. 2,521,314, Sept. 5.
Therriault, Norris H.: *See*—
Schaberg, Fred H., and Therriault.
Thetford, Charles H., Graham, Tex. Truck body. 2,504,467, Apr. 18.
Thévenaz, Jean, Yverdon, assignor to Paillard S. A., Sainte-Croix, Switzerland. Device for cinematographic apparatus intended for restoring automatically the length of the film loop comprised between the objective and the driving roller. 2,494,842, Jan. 17.
Thévenaz, Jean, Sainte-Croix, Switzerland, assignor to Paillard S. A. Device for maintaining a section of a band in lateral position whilst being subjected to a forward movement. 2,535,334, Dec. 26.
Thévenaz, Louis, Les Rasses, near Sainte-Croix, Switzerland, assignor to Hermann Thorens Societe Anonyme. Talking machine with record changer. 2,512,121, June 21.
Thevenin, Marcel, Champagnole, France. Apparatus for chill casting. 2,535,335, Dec. 26.
Thew Shovel Company, The, assignee: *See*—
Zeilman, Roy H.
Thexton Manufacturing Company, assignee: *See*—
Worel, Glen J.
Thias, Edwin P., Hollywood, and W. W. White, Altadena, Calif., assignors to Standard Coil Products Co., Inc., Chicago, Ill. Circuit component selecting unit. 2,496,183, Jan. 31.
Thias, Edwin P., Hollywood, and W. W. White, Altadena, Calif., assignors to Standard Coil Products Co., Inc., Chicago, Ill. Switch structure. 2,501,456, Mar. 21.
Thias, Edwin P., Hollywood, and W. W. White, Altadena, Calif., assignors to Standard Coil Products Co., Inc., Chicago, Ill. Variable capacitor. 2,504,758, Apr. 18.
Thibaudat, Albert: *See*—
Guillaume, Andre, and Thibaudat.
Thibault, Joseph, assignor to Casco Products Corporation, Bridgeport, Conn. Automobile sun visor. 2,497,050, Feb. 7.
Thibault, Joseph O., assignor to Automatic Devices Corporation, Bridgeport, Conn. Illuminated cigar lighter. 2,506,181, May 2.
Thibeaux, Albert, Freeport, Tex. Bearing. 2,514,526, July 11.
Thibodeau, Wilfred E., Cleveland, Ohio. Describing arcs of large radii. 2,499,427, Mar. 7.
Thibodeau, Wilfred E., Franklin Township, Summit County, Ohio. Arc scriber. 2,505,015, Apr. 25.
Thibodeaux, Alvin J.: *See*—
Thibodeaux, Edward L. and A. J.
Thibodeaux, Edward L. and A. J., Demopolis, Ala. Ice-scoring machine. 2,514,912, July 11.
Thiegs, Bernard J.: *See*—
Dieter, Curtis E., and Thiegs.
Thiel, Arlin J., Shawano, Wis. Trailer chassis. 2,523,790, Sept. 26.
Thiele, Berthold R., Ripon, assignor to E. R. Wagner Manufacturing Company, Milwaukee, Wis. Latch. 2,527,202, Oct. 24.
Thiele, Charles F., Old Greenwich, Conn. Indicator and control device. 2,533,068, Dec. 5.
Thiele, Theodore H.: *See*—
Jenkins, Wayne E., and Thiele.

Thielking, Karl F.: *See*—
Edson, Arthur W., and Thielking.
Thielman, Noral W.: *See*—
Rempt, Henry F., and Thielman.
Thien-Chi, Nguyen: *See*—
Gallet, Georges, and Chi.
Thienemann, Rolf A., Chicago, Ill. Gem viewer. 2,533,747, Dec. 12.
Thiermann, Estelle, Chicago, Ill. Device for washing vegetables and the like. 2,535,967, Dec. 26.
Thierry, John A.: *See*—
Hoar, Roger S., and Thierry.
Thierry, John A., assignor to Bucyrus-Erie Company, South Milwaukee, Wis. Differential cylinder-piston assembly. 2,511,883, June 20.
Thiess, Ludwig E., Schenectady, N. Y., assignor to General Electric Company. Ceramic sealing compositions. 2,511,679, June 13.
Thimblethorpe, June S. and W. S., London, England. Electric stove for heating and cooking. 2,494,843, Jan. 17.
Thimblethorpe, Wilfred S.: *See*—
Thimblethorpe, June S. and W. S.
Thiokol Corporation, assignee: *See*—
Bertozzi, Eugene R.
Fettes, Edward M.
Patrick, Joseph C.
Patrick, Joseph C., and Davis.
Patrick, Joseph C., and Ferguson.
Thirard, Armond H. J., and J. R. Dicop, Columbes, France. Optical image separating device with plural prism for dividing the light beam for colored photography and cinematography. 2,527,896, Oct. 31.
Thirdborough, Walter R.: *See*—
Forman, Arthur W., and Thirdborough.
Third National Bank and Trust Company of Dayton, Ohio, The, assignee: *See*—
Dolan, Joseph W.
Thirsk, James H.: *See*—
Spruance, Frank P., Jr., and Thirsk.
Thiry, George L., Milwaukee, Wis., assignor to McGraw Electric Company. Electric switch construction. 2,519,205, Aug. 15.
Thoenen, Marie, assignee: *See*—
Bruen, George C.
Tholl, John E., Needham, assignor to American Tool & Machine Co., Hyde Park, Mass. Controlling mechanism for centrifugal separators. 2,498,314, Feb. 21.
Thom, Melvin A., Brighton, N. Y. Wire-wound electrical resistor. 2,524,550, Oct. 3.
Thoma, Joseph C.: *See*—
Larsen, Harold R., and Thoma.
Thomander, Veron S., Maplewood, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Moving coil instrument with magnetic compensating shunts. 2,513,900, July 4.
Thomann, Frederick A.: *See*—
Neighbour, Leonard B., and Thomann.
Thomann, Robert A.: *See*—
Hyle, Jacob A., and Thomann.
Thomas, Albert, Munhall, Pa. Adjustable toolholder. 2,511,884, June 20.
Thomas, Albert G., Lynchburg, Va. Automatic roaster. 2,493,903; Jan. 10.
Thomas, Albert M., New York, N. Y. Boring bar holder. 2,497,059, Feb. 7.
Thomas, Albert R., deceased, Evansville, Ind., by The National City Bank, administrator, and P. Edberg, Evansville, Ind., assignors to Servel, Inc., New York, N. Y. Absorption refrigeration system, including a purge arrangement. 2,494,972, Jan. 17.
Thomas, Albert R., deceased, Evansville, Ind., by The National City Bank, administrator, Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Vacuum type water absorption refrigerating system. 2,518,202, Aug. 8.
Thomas, Albert R., deceased, late of Evansville, Ind., by The National City Bank, Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Absorption refrigeration apparatus. 2,522,410, Sept. 12.
Thomas, Arthur, Wallington, England, assignor to Powers-Samas Accounting Machines Limited. Printing element for typewriter printing machines. 2,494,014, Jan. 10.
Thomas, Arthur, Wallington, and A. H. Gausden, Chipstead, assignors to Powers-Samas Accounting Machines Limited, London, England. Record card controlled statistical machine. 2,496,138, Jan. 31.
Thomas, Arthur, Wallington, assignor to Powers-Samas Accounting Machines Limited, London, England. Actuator for accumulators in calculating machines. 2,516,032, July 18.
Thomas, Arthur, Wallington, F. S. Rhodes, Thornton Heath, and M. R. Brown, Putney, assignors to Powers-Samas Accounting Machines Limited, London, England. Machine for verifying perforated record cards. 2,516,033, July 18.
Thomas, Arthur F., executor: *See*—
Redcliffe, Frederick J.
Thomas, Bernard S., Washington, D. C. Injection mold for plastic materials. 2,524,858, Oct. 10.
Thomas & Betts Co., The, assignee: *See*—
Bergan, Martin D.
Clapp, Jerome B.
Graham, Maxwell A.
Moore, Albert J.
Thomas, George C., Jr.
West, John W.
Thomas, Cecil A. P., assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Warm air and hot-water heating apparatus. 2,529,977, Nov. 14.
Thomas, Charles A., Fort Wayne, Ind., assignor to General Electric Company. Stator for universal electric motors. 2,502,185, Mar. 28.
Thomas, Charles A., Fort Wayne, Ind., assignor to General Electric Company. Rotor winding. 2,509,746, May 30.
Thomas, Charles A., Fort Wayne, Ind., assignor to General Electric Company. Dynamoelectric machine with residual field compensation. 2,510,669, June 6.
Thomas, Charles A., Fort Wayne, Ind., assignor to General Electric Company. Dynamoelectric machine commutation. 2,521,551, Sept. 5.
Thomas, Charles A., Fort Wayne, Ind., assignor to General Electric Company. Brush rigging. 2,532,827, Dec. 5.
Thomas, Charles A., Jr.: *See*—
Zvanut, Frank J., Kreager, and Thomas.
Thomas, Charles C., Medford, assignor to North American Research Corporation, Cambridge, Mass. Camless regulator for grading devices. 2,531,369, Nov. 21.
Thomas, Charles D.: *See*—
Allen, Howard G., and Thomas.
Allen, Howard G., Thomas, and Miller.
Thomas, Charles P.: *See*—
Piatt, Howard I., and Thomas.
Thomas, Charles W., and C. E. Smith, assignors to The Taylor-Winfield Corporation, Warren, Ohio. Sequence timing apparatus. 2,493,839, Jan. 10.
Thomas, Chester A.: *See*—
Babson, Henry B., and Thomas.
Thomas, Chester A., Crystal Lake, Ill., assignor to Babson Bros. Co. Parlor stall. 2,528,255, Oct. 31.
Thomas, Chester L., Denver, Colo. Dental floss holder. 2,510,194, June 6.
Thomas, Cliff S., Jefferson County, Ala. Adjustable supporting stand. 2,515,911, July 18.
Thomas, Donald E.: *See*—
Cowley, Greer W., and Thomas.
Thomas, Earl E., Detroit, and S. T. Coughlan, Dearborn, Mich., assignors to Thomas Roller Painting Equipment Corporation. Painting roller of the detachable sleeve type. 2,520,863, Aug. 29.
Thomas, Floris E., Chicago, Ill. Display rack for panels. 2,532,965, Dec. 5.
Thomas, Frank G.: *See*—
Chesus, Frank O., and Thomas.
Thomas, Frank W.: *See*—
Simon, Eli, and Thomas.
Thomas, George C., Jr., assignor to The Thomas & Betts Co., Elizabeth, N. J. Cable connector toe-in-type. 2,506,398, May 2.
Thomas, George F., River Forest, assignor to Stewart-Warner Corporation, Chicago, Ill. High-pressure lubricant receiving fitting. 2,504,055, Apr. 11.
Thomas, Gertrude H.: *See*—
Kephart, Helen E., and Thomas.
Thomas, Gretchen G., Kokomo, Ind. Mattress or box spring cover. 2,499,698 Mar. 7.
Thomas, Henry, Chinford, England, assignor to U. S. Slicing Machine Company, Inc., La Porte, Ind. Masking plate for rotary disk knife slicing machines. 2,513,598, July 4.
Thomas, Henry C., and A. S. Tomcufcik, New Haven, Conn., assignors to the United States of America as represented by the United States Atomic Energy Commission. Treatment of pitchblende ores. 2,506,945, May 9.
Thomas, Henry P., Fayetteville, N. Y., assignor to General Electric Company. Air flow interlock switch. 2,493,603, Jan. 3.
Thomas, Howard P., and A. T. Swimmer, assignors to The General Fireproofing Company, Youngstown, Ohio. Desk construction. 2,525,975, Oct. 17.
Thomas Hydraulic Speed Controls, Inc., assignee: *See*—
Thomas, John R.
Thomas, James M., Oklahoma City, Okla. Extension drive shaft and handle grip for rotatable and angularly adjustable tools. 2,498,465, Feb. 21.
Thomas, Jesse B., Jackson Heights, N. Y., assignor, by mesne assignments, to United States of America as represented by the United States Atomic Energy Commission. Packless valve. 2,495,081, Jan. 17.
Thomas, John C., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of cellulose sulfate. 2,511,229, June 13.
Thomas, John C., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Pest control compositions containing beta-acyl acrylates. 2,532,579, Dec. 5.
Thomas, John R., assignor to Thomas Hydraulic Speed Controls, Inc., Wichita, Kans. Gear type variable speed hydraulic clutch. 2,526,914, Oct. 24.
Thomas, John R., assignor to Thomas Hydraulic Speed Controls, Inc., Wichita, Kans. Variable speed hydraulic clutch. 2,531,014, Nov. 21.
Thomas, Joseph J., Los Angeles, Calif. Muffler with inner flexible corrugated conduit. 2,528,674, Nov. 7.

Thomas, Joseph M., Durham, N. C. Spherical calculator. 2,506,251, May 2.
Thomas, Lawrence E.: *See*—
Dike, George A., Thomas, and Granger.
Thomas, Leighton J., Philadelphia, Pa., assignor to The Electric Storage Battery Company. Preparing sealing composition for storage batteries. 2,504,605, Apr. 18.
Thomas, Leon H., Canoga Park, Calif. Soil pipe joint runner. 2,501,484, Mar. 21.
Thomas, Le Roy E., Cleveland, Ohio. Periscope spectacles. 2,523,975. Sept. 26.
Thomas, Lewis A.: *See*—
Canfora, Arthur E., and Thomas.
Thomas, Lewis A., Brooklyn, N. Y., J. A. Spencer, Teaneck, N. J., and E. R. Shenk, Brooklyn, N. Y., assignors to Radio Corporation of America. Morse code printing system. 2,534,387, Dec. 19.
Thomas, Lucius P., Jr., Collingswood, N. J., assignor to Radio Corporation of America. Amplitude and frequency discriminatory gating circuit. 2,535,821, Dec. 26.
Thomas, Manville, Wausau, assignor to Marathon Corporation, Rothschild, Wis. Carton. Re. 23,266, Sept. 5.
Thomas, Manville, Wausau, assignor to Marathon Corporation, Rothschild, Wis. Carton. 2,505,442, Apr. 25.
Thomas, Matthew J., Los Angeles, Calif. Juice extracting machine. 2,513,974, July 4.
Thomas, Michael L., Jr.: *See*—
Thomas, Michael L., Sr. and M. L. Jr.
Thomas, Michael L., Sr. and M. L., Jr., Lenoir City, Tenn. Automatic door latch release system. 2,509,542, May 30.
Thomas, Percival E., assignor to Sterling Industries Limited, London, England. Packing device. 2,516,811, July 25.
Thomas, Percy H., Washington, D. C., assignor to the U. S. of America as represented by the Chairman of the Federal Power Commission. Aerogenerator tower. 2,511,023, June 13.
Thomas, Peter, Augusta, Maine. Hydraulic snow shovel. 2,498,144, Feb. 21.
Thomas, Ralph B., Beverly, assignor to Sylvania Electric Products Inc., Salem, Mass. Protective device for use in soldering operations. 2,506,047, May 2.
Thomas, Ralph W.: *See*—
Evans, Kenneth R., and Thomas.
Thomas, Raymond E.: *See*—
Johnson, Charles C., and Thomas.
Thomas, Raymond G., Washington, D. C. Vapor injector. 2,534,483, Dec. 19.
Thomas, Richard, Bromborough, England, assignor to Lever Brothers Company. Treating textile materials and the resulting products. 2,528,323, Oct. 31.
Thomas, Richard, Bromborough, England, assignor to Lever Brothers Company. Treating paper and the resulting products. 2,528,324, Oct. 31.
Thomas, Richard, Westwood Village, Calif. Shutter and lens system for highspeed color cameras. 2,530,793, Nov. 21.
Thomas, Richard H., assignor to Economy Pumps, Inc., Hamilton, Ohio. Pumping apparatus for sumps. 2,531,752, Nov. 28.
Thomas, Robert M.: *See*—
Calfee, John D., and Thomas.
Lightbown, Irving E., Sparks, and Thomas.
Small, Augustus B., and Thomas.
Williams, Dwight, Thomas, and Haines.
Thomas, Robert M., South Charleston, W. Va., assignor to Food Machinery and Chemical Corporation, New York, N. Y. Stabilization of halogenated organic compounds. 2,493,427, Jan. 3.
Thomas, Robert W. and L. Skeel, Meadsville, Pa., said Skeel assignor to said Thomas. Inserted blade cutter. 2,508,437, May 23.
Thomas Roller Painting Equipment, Corporation, assignee: *See*—
Thomas, Earl E., and Coughlan.
Thomas, Roscoe R., Fairfield, Ala., assignor to Tennessee Coal, Iron and Railroad Company. Reciprocating pusher for discharge ends of chain-and-skid conveyers. 2,525,189, Oct. 10.
Thomas, Rosetta J., and W. H. Hochmuth, assignors to John Rissman & Son, Danville, Ill. Garment structure. 2,527,973, Oct. 31.
Thomas, Rosswell W., Bartlesville, Okla., assignor to Phillips Petroleum Company. Portable liquefied gas container. 2,514,147, July 4.
Thomas, Roy R., assignor to L. G. McLean, Spokane, Wash. Sickle bar elevator. 2,496,608, Feb. 7.
Thomas, Roy R., assignor to L. G. McLean, Spokane, Wash. Motion converting mechanism. 2,515,616, July 18.
Thomas, Stanley R., Lyons, Mich., and L. A. Toth, assignors to The Torrington Company, South Bend, Ind. Bearing assembly. 2,506,525, May 2.
Thomas, Thomas H., assignor to Bendix Aviation Corporation, South Bend, Ind. Clutch control mechanism. 2,510,042, May 30.
Thomas, Thomas H., assignor to Bendix Aviation Corporation, South Bend, Ind. Clutch control mechanism. 2,531,710, Nov. 28.
Thomas, Thomas H., assignor to Bendix Aviation Corporation, South Bend, Ind. Clutch control mechanism. 2,531,711, Nov. 28.
Thomas, Thomas W., Portland, Oreg. Water heater. 2,504,092, Apr. 11.
Thomas, Tom, Houston, Tex. Wheelbarrow booster. 2,532,966, Dec. 5.
Thomas, Walter M.: *See*—
Drechsel, Erhart K., and Thomas.
Kropa, Edward L., and Thomas.
Thomas, Wilfred, Albany, N. Y. Airfoil conditioning means. 2,514,105, July 4.
Thomas, Wilfred, Albany, N. Y. Landing gear for airplanes. 2,526,711, Oct. 24.
Thomas, William, San Francisco, Calif. Desk or pocket bevel. 2,529,640, Nov. 14.
Thomas, William A., Oakmont, assignor to Blaw-Knox Company, Pittsburgh, Pa. Apparatus for burning pulverized fuel. 2,494,070, Jan. 10.
Thomas, William G., Avon, N. J. Changeable selective circuit. 2,519,415, Aug. 22.
Thomas, William R., assignor to Thoren Engineering Company, Hazleton, Pa. Idler pulley construction. 2,513,599, July 4.
Thomas, William S., Williamsport, Pa., assignor, by mesne assignments, to P. Zayac, Johnson City., J. Marconi, Endicott, and H. C. Schloer, Vestal, N. Y. Battery terminal connector. 2,531,307, Nov. 21.
Thomas, William S., Williamsport, Pa., assignor, by mesne assignments, to P. Zayac, Johnson City, J. Marconi, Endicott, and H. C. Schloer, Vestal, N. Y. Making battery terminal connectors. 2,531,308, Nov. 21.
Thomas, William S., Williamsport, Pa., assignor, by mesne assignments, to P. Zayac, Johnson City, J. Marconic, Endicott, and H. C. Schloer, Vestal, N. Y. Terminal connector. 2,531,309, Nov. 21.
Thomason, Falls L., Charlotte, N. C. Lubrication apparatus for twister rings. 2,495,300, Jan. 24.
Thomassin, Pierre, assignor to Etablissements Ad. Mischler (Société à Responsabilité Limitée), Fretigney, France. Mechanism for controlling roller shutters or like closing means. 2,526,173, Oct. 17.
Thome, Raymond O., Hudson, Wis. Bottle candler. 2,523,164, Sept. 19.
Thomforde, Lawrence W., assignee: *See*—
Biery, Arthur.
Thompson, Albert R.: *See*—
Luhdorff, Frederick H., and Thompson.
Thompson, Albert R., Los Gatos, Calif., assignor to Food Machinery and Chemical Corporation. Cutting machine. 2,519,985, Aug. 22.
Thompson, Albert R., Los Gatos, Calif., assignor to Food Machinery and Chemical Corporation. Continuously rotating turrets with pear peeling, coring, and splitting means. 2,526,712, Oct. 24.
Thompson, Alfred E., assignor to Creed and Company Limited, Croydon, England. Printing telegraph apparatus. 2,502,491, Apr. 4.
Thompson, Alfred E., assignor to Creed and Company Limited. Croydon, England. Removable tape roll holder for printing machines. 2,504,759, Apr. 18.
Thompson, Alfred E., and R. D. Salmon, Croydon, England, assignors to International Standard Electric Corporation, New York, N. Y. Telegraph transmitter. 2,498,724. Feb. 28.
Thompson, Alfred W., and E. A. Weinberg, assignors to The Ludlow Valve Manufacturing Co., Inc., Troy, N. Y. Check valve. 2,496,898, Feb. 7.
Thompson, Alvah I., Ridgefield Park, N. J., assignor to The Bristol Company, Waterbury, Conn. Insulated thermocouple utilizing an anodized surface. 2,517,053, Aug. 1.
Thompson, Andrew C., and C. Gill., Madera, Calif. Windrow turner. 2,519,005, Aug. 15.
Thompson, Arthur C., Montreal, Quebec, Canada. Box or crate. 2,493,701, Jan. 3.
Thompson, Arthur C., Montreal, Quebec, Canada. Box or crate. 2,519,860, Aug. 22.
Thompson, Arthur H., assignor to Thompson-Bremer & Co., Chicago, Ill. Lock washer. 2,518,399, Aug. 8.
Thompson-Bremer & Co., assignee: *See*—
Thompson, Arthur H.
Thompson, Claude V., assignee: *See*—
Tisdale, Shirley T.
Thompson, Clifford J., Davenport, Fla., assignor to Fruit Growers Express Company. Temperature measuring apparatus. 2,514,106, July 4.
Thompson, Coel R., assignee: *See*—
Bennett, William R., Sr.
Thompson, Donald C., Roanoke, Va., assignor to American Viscose Corporation, Wilmington, Del. Wound package treating apparatus. 2,527,663, Oct. 31.
Thompson, Dorothy D., Sweet Briar, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing halogen substituted aliphatic acid esters of cellulose. 2,518,203, Aug. 8.
Thompson, Edgar, Nolan, W. Va. Refrigeration motor control. 2,519,006, Aug. 15.
Thompson, Elmer O., Grasmere, N. Y., assignor to Philco Corporation, Philadelphia, Pa. Mounting unit for phonograph tone-arms. 2,506,692, May 9.
Thompson, Elmer O., Grasmere, N. Y., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Phonograph apparatus. 2,508,845, May 23.
Thompson, Elton H., assignee: *See*—
Brooks, Edward H., Sr.

Thompson, Errol M., Brockton, and E. M. Thompson, Jr., Natick, Mass. Shoe bottom filling machine. 2,523,886, Sept. 26.

Thompson, Errol M., Jr.: *See*—
Thompson, Errol M. and E. M., Jr.

Thompson, Everett E., Sr., Lynwood, Calif. Flexible floor mat or platform. 2,525,277, Oct. 10.

Thompson, Floyd L., Houston, Tex. Air-heating unit for buildings. 2,496,505, Feb. 7.

Thompson, Frank E., Jr., Grand Rapids, Mich. Marine propeller. 2,498,348, Feb. 21.

Thompson, Frederick C.: *See*—
Zimmerman, Ralph H., Gordon, and Thompson.

Thompson, George W., United States Navy. Device for demonstrating the circuits and fields of electrical motors and generators. 2,518,506, Aug. 15.

Thompson, Gladys G., St. Louis, Mo. Sachet. 2,529,578, Nov. 14.

Thompson Grinder Company, The, assignee: *See*—
Baldenhofer, William G.
Summers, Otto M.
Wilson, John C.

Thompson, H. I., Company, The, assignee: *See*—
Parker, Leon, and Zack.

Thompson, Harold L., Havre, Mont. Oil retainer for crankcase oil dippers. 2,498,019, Feb. 21.

Thompson, Harry H.: *See*—
Johnson, Theodore A., and Thompson.

Thompson, Henry A., Heber Springs, Ark. Rotatable head lamp assembly. 2,512,817, June 27.

Thompson, Henry E., Dobbs Ferry, N. Y., assignor to Anaconda Wire & Cable Company. Vulcanizing seal. 2,517,054, Aug. 1.

Thompson, Henry T., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Phenolic color formers. 2,498,466, Feb. 21.

Thompson, Henry T., Easton, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Synthesis of iminodiacetonitrile. 2,511,487, June 13.

Thompson, Howard A., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Coded signaling apparatus. 2,499,202, Feb. 28.

Thompson, Ivan P.: *See*—
Bucknam, James H., and Thompson.

Thompson, J. Clay, assignee: *See*—
Schumacher, Henry E.

Thompson, James E., assignor of one-half to W. S. McNear, San Jose, Calif. Holder and cutter for ampoules. 2,508,696, May 23.

Thompson, James E., assignor of fifty per cent to W. S. McNear, San Jose, Calif. Ampoule file and blade holder. 2,514,812, July 11.

Thompson, James W., Alexandria, La. Bleacher structure. 2,532,649, Dec. 5.

Thompson, John I.: *See*—
MacDonald, Stuart P., and Thompson.

Thompson, John I., Bay Head, N. J., and R. Flowers, assignors to Mitchell Canneries, Inc., Thomasville, Ga. Ambrosia. 2,534,484, Dec. 19.

Thompson, John W.: *See*—
Boyle, James M., and Thompson.

Thompson, Joseph C., Davenport, Iowa. Spinograph method and apparatus. 2,532,967, Dec. 5.

Thompson, Joseph J.: *See*—
Raymer, Morris M., and Thompson.

Thompson, Josephus, Covington, assignor of one-third to Grossman Music Company, Cleveland, Ohio. Musical humming instrument. 2,513,600, July 4.

Thompson, Kenneth C., Chicago, Ill. Foam forming device. 2,511,420, June 13.

Thompson, Kenneth W., Franklin Square, N. Y. Work Holder. 2,520,518, Aug. 29.

Thompson, Leland E.: *See*—
Bond, Donald S., Gerlach, and Thompson.
Bond, Donald S., and Thompson.

Thompson, Leland E., Merchantville, N. J., assignor to Radio Corporation of America. Radio relaying. 2,507,739, May 16.

Thompson, Leland E., Merchantville, N. J., assignor to Radio Corporation of America. Radio relaying. 2,514,425, July 11.

Thompson, Leland E., Merchantville, N. J., assignor to Radio Corporation of America. Frequency control of high-frequency oscillations. 2,529,579, Nov. 14.

Thompson, Lewis S., Red Bank, N. J. Smoking and freezing meat, fish, and poultry. 2,506,908, May 9.

Thompson, Lincoln, Cheshire, and D. F. Balmer, assignors to The Soundscriber Corporation, New Haven, Conn. Apparatus for indicating that telephone conversation is being recorded. 2,528,459, Oct. 31.

Thompson, Lionel D., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Safety means for internal-combustion engines. 2,518,400, Aug. 8.

Thompson, Louis A., Rocky River, assignor to NEA Service, Inc., Cleveland, Ohio. Facsimile transmitter and receiver. 2,523,400, Sept. 26.

Thompson, Louis A., Rocky River, assignor to NEA Service, Inc., Cleveland, Ohio. Limiter circuit. 2,523,401, Sept. 26.

Thompson, Louis A., Rocky River, assignor to NEA Service, Inc., Cleveland, Ohio. Photographic facsimile recorder using a crater lamp. 2,535,610, Dec. 26.

Thompson, Louis A., Rocky River, assignor, to NEA Service, Inc., Cleveland, Ohio. Frequency modulated picture receiver. 2,535,611, Dec. 26.

Thompson, Lyman F., Fayetteville, Ark. Liquid discharging and collecting apparatus for cleaning. 2,531,370, Nov. 21.

Thompson, Lyndon G.: *See*—
Buckley, Walter D., McCoy, and Thompson.

Thompson Mfg. Co., Inc., assignee: *See*—
Thompson, William M.

Thompson, Milton L., Huntingdon Valley, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Frequency conversion system. 2,516,272, July 25.

Thompson, Norman F., Akron, Ohio, assignor to Stewart-Warner Corporation, Chicago, Ill. Electronic pulse time interval discriminator with maximum interval gate. 2,499,613, Mar. 7.

Thompson, Norman J., Newton, assignor to Factory Mutual Research Corporation, Boston, Mass. Fire-extinguishing apparatus. 2,498,512, Feb. 21.

Thompson, Norman J., Newton, assignor to Factory Mutual Research Corporation, Boston, Mass. Fire protection apparatus. 2,513,975, July 4.

Thompson, Oral A., St. Louis, Mo. Reeling apparatus. 2,517,055, Aug. 1.

Thompson, Parke H.: *See*—
Hawkins, George L., and Thompson.

Thompson, Parke H., Kirkwood, assignor to Amp Corporation, St. Louis, Mo. Fuse. 2,495,431, Jan. 24.

Thompson, Parke H., Kirkwood, assignor to Amp Corporation, St. Louis, Mo. Fuse. 2,495,432, Jan. 24.

Thompson, Parke H., Kirkwood, assignor, by mesne assignments, to M. L. J. Lambert, doing business as Crystal-Flo Products Company, St. Louis, Mo. Gas dissolving apparatus. 2,531,655, Nov. 28.

Thompson, Peyton M., assignor to Richmond Manufacturing Company, Lockport, N. Y. High-speed sifter. 2,500,966, Mar. 21.

Thompson, Peyton M., assignor to Richmond Manufacturing Company, Lockport, N. Y. Gyratory sifter. 2,511,885, June 20.

Thompson Products, Inc., assignee: *See*—
Alldredge, Marshall H.
Anderson, David E.
Banister, Robert T.
Booth, James H.
Burkhardt, Otto M.
Curtis, Russell R.
Graham, Matthew P.
Gauthier, Fred J.
Holm, Thor O.
Lindner, Ralph L., and Hayes.
Norton, Samuel H.
Richards, Kenneth F.
Ricks, Bernard E., and Marquis.
Roth, Jay M., and Aspelin.
Roth, Jay M., and Bodensieck.
Snyder, Jacob R.
Spotz, Donald R.
Van Hartesveldt, Carroll H.

Thompson, Ralph B., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Stabilization of organic compounds. 2,498,630, Feb. 28.

Thompson, Ralph B., Riverside, and H. S. Bloch, assignors to Universal Oil Products Company, Chicago, Ill. Polymerization of aromatic polyfulvenes. 2,512,698, June 27.

Thompson, Ralph B., and J. A. Chenicek, Riverside, assignors to Universal Oil Products Company, Chicago, Ill. Stabilization of organic compounds. 2,518,577, Aug. 15.

Thompson, Ralph B., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Stabilization of phenylene diamines and aminophenols with amine-sulfur dioxide reaction products. 2,521,425, Sept. 5.

Thompson, Ralph L., Mineola, N. Y. Binary counting circuit. 2,519,513, Aug. 22.

Thompson, Raymond A., assignor to Anderson Coach Company, East Tawas, Mich. Extendible counter assembly. 2,532,041, Nov. 28.

Thompson, Randall L.: *See*—
Hitchings, George H., and Thompson.

Thompson, Reynald E., assignor to Motorola, Inc., Chicago, Ill. Automatic tuner. 2,510,156, June 6.

Thompson, Robert B., Wilton, N. Munro, Greenwich, Conn., and A. D. Marriott, White Plains, assignors to The Dorr Company, New York, N. Y. Liquid clarifying apparatus. 2,525,842, Oct. 17.

Thompson, Robert F., Narrows, Va., assignor to Celanese Corporation of America. Preparation of cellulose derivatives. 2,498,773, Feb. 28.

Thompson, Robert H.: *See*—
Budd, Wilbert H., Arisman, and Thompson.

Thompson, Robert O., Philadelphia, Pa. Expansion safety valve. 2,522,145, Sept. 12.

Thompson, Robert R.: *See*—
Balls, Arnold K., and Walden, and Thompson.

Thompson, Robert R., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Electrical prospecting method. 2,531,088, Nov. 21.

Thompson, Ross, Durham, assignor of one-half to E. N. Howard, Raleigh, N. C. Fire protection for curing tobacco in barns. 2,516,355, July 25.

Thompson, Roy H., Shorewood, Wis. Frozen food cutter blade. 2,517,362, Aug. 1.
Thompson, Roy J., Gary, Ind., assignor to Inland Steel Company, Chicago, Ill. Machine for forming threaded openings. 2,493,933, Jan. 10.
Thompson, Russell A., Pinehurst, Wash. Pen or pencil holder. 2,501,552, Mar. 21.
Thompson, Russell G., assignor to Eastman Kodak Company, Rochester, N. Y. Facsimile system with selected area scanning. 2,510,200, June 6.
Thompson, Russell G., assignor to Eastman Kodak Company, Rochester, N. Y. Facsimile copying apparatus. 2,529,978, Nov. 14.
Thompson, Thomas C., Baltimore, Md. Reel. 2,503,526, Apr. 11.
Thompson, Thomas R., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Azamerocyanine dyes and the preparation thereof. 2,496,899, Feb. 7.
Thompson, Thomas R., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Preparing trinuclear cyanine dyes. 2,504,468, Apr. 18.
Thompson, Thomas R., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Preparing trinuclear cyanine dyes containing a terminal 5-membered nitrogenous heterocyclic ring system. 2,518,730, Aug. 15.
Thompson, Thomas R., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Symmetrical and unsymmetrical tetranuclear cyanine dyes and preparing the same. 2,518,731, Aug. 15.
Thompson, Thomas R., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Thiazolone cyanine dye intermediates. 2,535,992, Dec. 26.
Thompson, Thomas R., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Preparing trinuclear cyanine dyes. 2,535,993, Dec. 26.
Thompson, Thomas R., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Preparing trinuclear cyanine dyes containing a terminal 5-and 6-membered heterocyclic ring system. 2,535,994, Dec. 26.
Thompson, Thomas R., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Photographic emulsions containing trinuclear cyanine dyes. 2,535,995, Dec. 26.
Thompson, Tom H., Mamaroneck, N. Y., assignor to Thompson-Wade Corporation, Detroit, Mich. Bearing. 2,512,185, June 20.
Thompson, Viola, Washington, D. C. Hand-operated nutcracker with shields. 2,521,552, Sept. 5.
Thompson, Virginia C., Arlington, Va. Irrigation tray for administering enemas to babies. 2,535,336, Dec. 26.
Thompson-Wade Corporation, assignee: *See*—
Thompson, Tom H.
Thompson, Walter, Hamilton, and C. Brooks, Bethel, Ohio. Adjustable hacksaw frame. 2,526,438, Oct. 17.
Thompson, Walter C.: *See*—
Goldberg, Harold, and Thompson.
Thompson, Wilford L., Baton Rouge, La. Baby creeper. 2,505,310, Apr. 25.
Thompson, William D., San Diego, Calif. Focus determining device for photographic enlargers. 2,493,558, Jan. 3.
Thompson, William E., Nutwood, Ohio, assignor to General Electric Company. Internal ring gas burner. 2,531,015, Nov. 21.
Thompson, William G., Clinton, Mass., and S. J. Clark, Cheshire, Conn. Linstick holder. 2,523,457, Sept. 26.
Thompson, William H., Chatham, assignor to Davis Engineering Corporation, Elizabeth, N. J. Double effect salt-water still. 2,513,901, July 4.
Thompson, William M., assignor to Thompson Mfg. Co., Inc., Erie, Pa. Fire extinguishing system. 2,521,193, Sept. 5
Thompson, William R.: *See*—
Lane, Albert E., and Thompson.
Thompson, William S., Oklahoma City, Okla. Safety thermal gas-flow control. 2,493,702, Jan. 3.
Thompson, Willie M., Loraine, Tex. Draftsman's instrument rack. 2,518,401, Aug. 8.
Thompson, Willis F., Portland, Maine, assignor to The Alden Speare's Sons Co. Convertible knife sharpener. 2,498,018, Feb. 21.
Thompson, Wirt L., Jr., Fairfield, Conn., assignor to American Viscose Corporation, Wilmington, Del. Twisted yarn-like structure and producing it. 2,535,376, Dec. 26.
Thompsonville Trust Company, The, executor: *See*—
Turgeon, Edmond.
Thomsen, Alfred M., San Francisco, Calif. Converting woody substances. 2,510,668, June 6.
Thomsen, Alfred M., San Francisco, Calif. Regenerating a spent cooking liquor resulting from the digestion of a cellulose-lignin complex. 2,518,957, Aug. 15.
Thomsen, Soren M., Pennington, N. J., assignor to Radio Corporation of America. Preparing zinc selenide. 2,534,562, Dec. 19.
Thomsen, Soren M., Pennington, and F. H. Nicoll, Princeton, N. J., assignors to Radio Corporation of America. Depositing silica films and preparation of solutions therefor. 2,505,629, Apr. 25.
Thomson, Alec, and G. D. Buffington, Akron, Ohio. Incision spreader. 2,531,171, Nov. 21.
Thomson, E. Craig, Boston, assignor to Combustion Control Corporation, Cambridge, Mass. Electrical contactor. 2,520,981, Sept. 5.
Thomson, E. Craig, Boston, assignor to Photoswitch, Incorporated, Cambridge, Mass. Electronic control apparatus. 2,534,323, Dec. 19.
Thomson, Elihu C., Boston, assignor to Photoswitch, Incorporated, Cambridge, Mass. Electrode system. Re. 23,282, Oct. 10.
Thomson, Homer G.: *See*—
Zabel, Harold H., Thomson, and Tellkamp.
Thomson, James, and T. McCulloch, assignors to Mavor & Coulson, Limited, Glasgow, Scotland. Drive for endless chain scraper conveyers. 2,523,887, Sept. 26.
Thomson, John: *See*—
Miller, Clarence A., and Thomson.
Miller, Clarence A., Thomson, and Ryno.
Thomson, John B., Plandome, N. Y. Clamping device. 2,498,315, Feb. 21.
Thomson, John B., Plandome, N. Y. Ball bearing for linear motion. 2,503,009, Apr. 4.
Thomson, John B., Plandome, N. Y. Ball bearing for linear motion. 2,509,749, May 30.
Thomson, Kenneth W., assignor to Eastman Kodak Company, Rochester, N. Y. Film tensioning device. 2,514,683, July 11.
Thomson, Robin H. K., Kilwinning, and D. Traill, Ardrossan, Scotland, assignors to Imperial Chemical Industries Limited. Increasing the strength of insolubilized artificial protein filaments. 2,506,252, May 2.
Thomson, Robin H. K., Kilwinning, and D. Traill, Ardrossan, Scotland, assignors to Imperial Chemical Industries Limited. Increasing the strength of insolubilized artificial protein filaments. 2,506,253, May 2.
Thomson, Robin H. K., Kilwinning, and W. A. Caldwell, West Kilbride, Scotland, assignors to Imperial Chemical Industries Limited. Production of insolubilized protein artificial filamentary products. 2,532,350, Dec. 5.
Thomson, Robin H. K., Kilwinning, Scotland, assignor to Imperial Chemical Industries Limited. Production of insolubilized protein artificial filamentary products. 2,533,297, Dec. 12.
Thomson, Ronald H., Middlesex, assignor to Rotax Limited, London, England. Electric switch. 2,515,324, July 18.
Thomson, Sidney S., and C. A. Hendrix, Flora, Ind. Squirrel-call sound box. 2,515,023, July 11.
Thomson, Thomas: *See*—
Whitworth, Edward, and Thomson.
Thomson, Thomas, Kilmarnock, Scotland, and J. S. Shufflebotham, Staffordshire, England, assignors to Imperial Chemical Industries Limited. Electrically ignitable power gas generating blank cartridges. 2,518,958, Aug. 15.
Thomson, Thomas B., Jr.: *See*—
Giffen, Harvey D., and Thomson, Jr.
Thomson, William R., Ottawa, Ontario, Canada. Paper reeling method and apparatus. 2,528,713, Nov. 7.
Thomte, Sten E. A., assignor to Aktiebolaget Malcus Holmquist, Halmstad, Sweden. Arrangement at centerless grinding machines. 2,520,228, Aug. 29.
Thonger, Thurland G., Manhasset, N. Y., assignor to Poor and Company, Chicago, Ill. Compromise joint. 2,531,656, Nov. 28.
Thonney, Paul, Dixie, Wash. Emergency fire escape ladder. 2,518,839, Aug. 15.
Thor, Clifford J. B., Western Springs, F. W. Tauber, and G. E. Tripp, assignors to The Visking Corporation, Chicago, Ill. Preparing colored casings. 2,521,101, Sept. 5.
Thor Corporation, assignee: *See*—
Gerhardt, Andrew H.
Thoren Engineering Company, assignee: *See*—
Thomas, William R.
Thorens, André, Yverdon, Switzerland, assignor to Paillard S. A., Sainte-Croix. Typewriter cleaning device. 2,517,257, Aug. 1.
Thorens, Hermann, Societe Anonyme, assignee: *See*—
Nicole, Amédée.
Thorens, Hermann, S. A., assignee: *See*—
Piton Charles.
Thoresen, Halfdan R., Brooklyn, N. Y. Utensil receptacle. 2,516,273, July 25.
Thoresen, Oscar, Pittsburgh, Pa. Top and spinning device therefor. 2,534,538, Dec. 19.
Thorkelson, Nils H.: *See*—
Pierce, George L., and Thorkelson.
Thorn Electrical Industries Limited, assignee: *See*—
Kember, Raymond C.
Levy, Hans R.
Thorn, John P.: *See*—
Vanderbilt, Byron M., and Thorn.
Thornbery, John H., Whitefish Bay, assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Lead connector and cap. 2,503,459, Apr. 11.
Thornbery, John H., Whitefish Bay, assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Automatic safety cutoff for gas burners. 2,517,363, Aug. 1.
Thornburg, John L., Bremerton, Wash. Corner clamp. 2,498,725, Feb. 28.
Thorndike, James O., Whitman, Mass. Attachment for adjusting the pitch of a level body. 2,520,700, Aug. 29.
Thorndyke, Keith, Pipestone, Minn. Portable arc welder. 2,530,487, Nov. 21.

Thorne, Charles L., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Deflection wave generator. 2,493,044, Jan. 3.

Thorne, Leonard R., Edmonton, Alberta, Canada. Overhead loader yoke mechanism. 2,518,096, Aug. 8.

Thorness, Rudolph B. : *See*—
Nier, Alfred O. C., Goertzel, and Thorness.

Thornhill, Charles W., assignor to Thornhill-Craver Company, Houston, Tex. Closure for pressure vessels. 2,520,864, Aug. 29.

Thornhill-Craver Company, assignee : *See*—
Thornhill, Charles W.

Thornhill, Dexter R. : *See*—
Pittenger, Glenn C., and Thornhill.

Thornhill, Fred S. : *See*—
Amon, Fred H., and Thornhill.

Thornhill, Homer E., Houston, Tex. Valve cover. 2,499,614, Mar. 7.

Thornhill, Peter W., assignor to Levitation Limited, and Automotive Products Company Limited, Leamington Spa, England. Packing device for fluid pressure apparatus. 2,513,533, July 4.

Thornhill, Peter W., assignor to Automotive Products Company Limited and Levitation Limited, Leamington Spa, England. Sealing means for fluid pressure apparatus. 2,518,097, Aug. 8.

Thornley, Edwin M., Bloomington, Ill. Track gauging apparatus. 2,532,745, Dec. 5.

Thornton, Arthur C., Yeadon, England. Drive transmission for autocycles. 2,493,275, Jan. 3.

Thornton, Kirby F., and L. W. Schumm, New Kensington, assignors to Aluminum Company of America, Pittsburgh, Pa. Extrusion apparatus. 2,530,669, Nov. 21.

Thornton-Norris, George, London, England. Instrument for indicating the operating time of vehicles and other devices. 2,533,638, Dec. 12.

Thornton, Reginald, Kyogle, New South Wales, Australia. Livestock feed grinder and feeding machine. 2,509,946, May 30.

Thornton, Wilfred R., Toronto, Ontario, Canada. Shower head. 2,493,840, Jan. 10.

Thorobred Photo Service, Inc., assignee : *See*—
Hunter, Frank B.

Thorp, Allan, assignor to Arthur Burroughs and Company Limited, Formby, England. Toy water borne projectile. 2,519,298, Aug. 15.

Thorp, Clark E., and L. C. Kinney, assignors, by mesne assignments to The Meyercord Co., Chicago, Ill. Drying printing inks. 2,528,850, Nov. 7.

Thorp, Joel R., assignor to The Fulton Company, West Allis, Wis. Defroster. 2,519,514, Aug. 22.

Thorpe, Edward C., and W. C. Shiew, Dodge City, Kans. Egg separator. 2,496,567, Feb. 7.

Thorpe, Jay L., Detroit, Mich. Air cleaner and deodorizer. 2,526,782, Oct. 24.

Thorsen, E. M., assignee : *See*—
Bruen, George C.

Thorsheim, Joseph O., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Snap switch. 2,509,194, May 23.

Thorsheim, Joseph O., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control device. 2,522,411, Sept. 12.

Thorsheim, Joseph O., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Motor control system. 2,529,116, Nov. 7.

Thostenson, Lewis D., Inglewood, Calif., assignor to Salsbury Corporation. Front end support for motor vehicles. 2,499,936, Mar. 7.

Thostenson, Lewis D., Inglewood, Calif., assignor to Salsbury Corporation. Steering shaft bearing structure for motor vehicles. 2,499,937, Mar. 7.

Thostenson, Lewis D., Inglewood, assignor to Salsbury Corporation, Los Angeles, Calif. Automatic clutch. 2,521,884, Sept. 12.

Thrasher, William B., San Antonio, assignor to Tex-O-Kan Flour Mills Company, Dallas, Tex. Removing seed coat from grain. 2,530,272, Nov. 14.

Three Dimension Company, assignee : *See*—
Lewis, George K.

Threewit, Donald M., Inglewood, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Terminal connection for control cables. 2,493,841, Jan. 10.

Thring, Meredith W. : *See*—
Bangham, Donald H., Bennett, Mayorcas, Pirani, and Thring.

Throckmorton, John W., assignor to Petro-Chem Process Company, Incorporated, New York, N. Y. Furnace cone of separable construction. 2,512,396, June 20.

Throckmorton, John W., and J. S. Wallis, assignors to Petro-Chem Process Company Incorporated, New York, N. Y. Bubble tower construction and fractionating vapors. 2,507,325, May 9.

Throckmorton, Paul J., Memphis, Tex. Poultry feeder. 2,496,828, Feb. 7.

Throdahl, Monte C. : *See*—
Beaver, David J., and Throdahl.

Thropp, William R. & Sons Co., assignee : *See*—
Conner, Kenneth B.

Thrush, H. A., & Company, assignee : *See*—
Thrush, Homer A.
Thrush, Marquis O.

Thrush, Harold J., Gary, Ind. Garment hanger. 2,518,098, Aug. 8.

Thrush, Homer A., assignor to H. A. Thrush & Company, Peru, Ind. Thermostatic mixing valve. 2,520,446, Aug. 29.

Thrush, Marquis O., assignor to H. A. Thrush & Company, Peru, Ind. Water circulator. 2,515,811, July 18.

Thull, John F., Minneapolis, assignor to Brown & Bigelow, St. Paul, Minn. Selectable index. 2,532,129, Nov. 28.

Thunbo, Anton P. R., assignor to Dansk Skrivemaskinefabrik ved Foss, Rindom & Lauritzen, Copenhagen, Denmark. Typewriter manifolding device. 2,532,431, Dec. 5.

Thunder, Harold G. : *See*—
Lane, Guy M., and Thunder.

Thunell, Karl H., Nockeby, and S. D. Vigren, Stockholm, assignors to Telefonaktiebolaget L M Ericsson, Stockholm, Sweden. System for obtaining successive operation of the selecting magnets in crossbar switches. 2,499,542, Mar. 7.

Thuras, Albert, deceased, late of New London, Conn. ; by National Bank of Commerce, administrator, New London, Conn., assignor to the United States of America. Hydrophone. 2,521,136, Sept. 5.

Thurman, Oliver, Jr., Mount Tabor, N. J., assignor to Air Reduction Company, Incorporated. Double rectilinear torch machine. 2,496,110, Jan. 31.

Thursby, Arthur H., Chicago, Ill., assignor to Inland Container Corporation, Indianapolis, Ind. Palletized container. 2,494,730, Jan. 17.

Thurston, Aurora E., New York, N. Y., assignor to Majestic Specialties, Inc., Cleveland, Ohio. Skirt. 2,514,613, July 11.

Thurston, Frank M., and G. E. Justice, assignors to Houston Oil Field Material Company, Inc., Houston, Tex. Safety pipe joint. 2,508,306, May 16.

Thurston, Gerald, assignor to Lightolier Company, New York, N. Y. Picture frame containing bed light and indirect light units. 2,529,713, Nov. 14.

Thurston, Herbert H. : *See*—
Mock, Frank C., and Thurston.

Thurston, Jack T., Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y. Cation exchange resins. 2,525,247, Oct. 10.

Thurston, Jack T., Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y. Coating compositions. 2,526,439, Oct. 17.

Thurston, Jack T., and D. W. Kaiser, Riverside, Conn., assignors to American Cyanamid Company, New York, N. Y. Azo guanamines. 2,493,703, Jan. 3.

Thurston, Jack T., Cos Cob, and D. W. Kaiser, Stamford, Conn., assignors to American Cynamid Company, New York, N. Y. Heterocyclic guanamines. 2,535,968, Dec. 26.

Thurston, Norman R., Waverly, assignor to Eureka Specialty Printing Co., Scranton, Pa. Mounting corner. 2,493,276, Jan. 3.

Thurston, Paul L., Martinsburg, W. Va., assignor to Interwoven Stocking Company, New Brunswick, N. J. Article of hosiery and making the same. 2,512,728, June 27.

Thurston Manufacturing Company, assignee : *See*—
Redinger, Joseph M.

Thurston, William H., Contra Costa, assignor to Shell Development Company, San Francisco, Calif. Close-coupled electrical transformer. 2,535,554, Dec. 26.

Thurstone, Louis L. : *See*—
Thurstone, Thelma S., and L. L.

Thurstone, Thelma G. and L. L., Chicago, Ill. Postage scale device. 2,523,342, Sept. 26.

Thwaites, Leslie B., Cubbington, near Leamington Spa, England. Distributor for manure or the like material. 2,519,799, Aug. 22.

Thynell, Gustave M., Naugatuck, assignor to The Bristol Company, Waterbury, Conn. Telemetric apparatus. 2,493,508, Jan. 3.

Thynne, Arthur W. F., London, England, and D. H. Hewitt, deceased, late of London, England, by E. Booth, Richmond, and R. H. Buckle, Barnt Green, England, executors, assignors, by mesne assignments, to The Sherwin-Williams Company, Cleveland, Ohio. Composition for inhibiting fouling. 2,525,155, Oct. 10.

Thys, Edouard, Sacramento, Calif. Arc furnace tilting and adjusting mechanism. 2,529,319, Nov. 7.

Tiahnybik, Leon, assignee : *See*—
Klaus, John B.

Tibbetts, Willis F. : *See*—
Geddes, John W., and Tibbetts.

Tibble, John : *See*—
Lanegan, Frederick E., and Tibble.

Tice, Irvin D., Chicago, Ill. Washing machine. 2,523,165, Sept. 19.

Tice, Reuben S., Monterey, Calif. Building heating system. 2,503,600, Apr. 11.

Tice, Reuben S., Monterey, Calif. Electric floor heating system. 2,503,601, Apr. 11.

Tice, Reuben S., Monterey, Calif. Soldering iron. 2,523,638, Sept. 26.

Tice, Reuben S., Monterey, Calif. Electrical heating system. 2,533,409, Dec. 12.

Tichenor, Don L., assignor to United Steel & Wire Company, Battle Creek, Mich. Bottle crate. 2,519,800, Aug. 22.

Tichenor, Edwin L., Clifton, and W. Cremins, Montclair, N. J., assignors to Curtiss-Wright Corporation. Contour welding machine. 2,522,146, Sept. 12.

Tichenor, Harold D., Pimento, assignor to Wabash Fibre Box Co., Terre Haute, Ind. Egg case. 2,528,256, Oct. 31.
Tichenor, Robert L., East Orange, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Battery charging method. 2,503,179, Apr. 4.
Tickle, Arthur, Engineering Works, Inc., assignee: *See*— Kunicki, Joseph.
Tidd, Edwin B., Mount Prospect, assignor to Bell & Gossett Company, Morton Grove, Ill. Fitting. 2,500,621, Mar. 14.
Tiddy, William, Manhasset, N. Y., assignor to Allied Chemical & Dye Corporation. Utilizing coke oven gas and waste pickle liquor for the production of ammonium sulfate. 2,511,306, June 13.
Tiddy, William, Manhasset, N. Y., and F. D. Cooper, Ashland, Ky., assignors to Allied Chemical & Dye Corporation. Utilization of impure coke-oven gas and waste pickle liquor in the manufacture of ammonium sulfate. 2,511,307, June 13.
Tideman, Carl W., Framingham, Mass. Toothbrush holder. 2,522,470, Sept. 12.
Tide Water Associated Oil Company, assignee: *See*— Bishop, John W.
Devol, Lee T., and Ayers.
Dobbs, William D.
Leath, William M.
Lewis, Arthur W.
Revukas, Anthony J.
Tidings Corporation of America, assignee: *See*— Avedikian, Souren Z. and D. G.
Tidrick, Kenneth H: *See*— Butler, Edwin I., Madsen, and Tidrick.
Tidwell, Eldon G., Cherokee, Okla. Scraper. 2,514,169, July 4.
Tiedemann, Julius B., assignor to A. O. Smith Corporation, Milwaukee, Wis. Electric flash welding cylindrical members and product thereof. 2,524,369, Oct. 3.
Tiedje, Richard T., assignor to J. Schilling, Los Angeles, Calif. Sealed unitary compressor. 2,517,145, Aug. 1.
Tiegs, Harriott H., Gardena, Calif. Collapsible ironing tray. 2,514,813, July 11.
Tierney, Marcus M., St. Paul, Minn. Box and support. 2,534,742, Dec. 19.
Tierney, Samuel, Jr., Westfield, assignor to Breeze Corporations, Inc., Newark, N. J. Electrical shield with slide fastener. 2,522,072, Sept. 12.
Tietig, Chester, Park Hills, Ky. Process and apparatus for preparing concrete. 2,533,852, Dec. 12.
Tiffany, Belle, administratrix: *See*— Tiffany, Ray.
Tiffany, Ray, El Paso, Tex., B. Tiffany, administratrix of said R. Tiffany, deceased. Muzzle brake. 2,499,428, Mar. 7.
Tifft, Dalmar A., assignor to Chrome-Gold Alloys Inc., Averill Park, N. Y. Alloys and dentures made thereof. 2,506,526, May 2.
Tifft, Emerson B., assignor to Draper Corporation, Hopedale, Mass. Loom shuttle. 2,501,624, Mar. 21.
Tiganik, Leonhard, Skoghall, assignor to Uddeholms Aktiebolag, Uddeholm, Sweden. Alkylating alkoxy silanes. 2,521,267, Sept. 5.
Tiger, Howard L., Hewlett, assignor to The Permutit Company, New York, N. Y. Briquette for desalting seawater. 2,494,784, Jan. 17.
Tigerschiöld, Bo M., Degerfors, Sweden. Bottom-casting ingots in molds. 2,509,618, May 30.
Tigges, Alexander J., New York, and G. D. Braddon, Wellsville, assignors to The Air Preheater Corporation, New York, N. Y. Flexible circumferential seal for rotary heat exchangers. 2,517,512, Aug. 1.
Tigges, Eberhard, San Francisco, Calif. Pocket lighter. 2,532,650, Dec. 5.
Tilbury, Lyle C., Hunt, Tex. Gate. 2,518,260, Aug. 8.
Tilden, Carl V., Altadena, Calif. Drill bit. 2,506,474, May 2.
Tiley, John W., assignor to Philco Corporation, Philadelphia, Pa. Helical beam antenna. 2,503,010, Apr. 4.
Tilford, Paula, Newark, N. J. Frying pan having areas of greater heat sensitivity. 2,515,617, July 18.
Tiller, Louin: *See*— Harrison, Elmer P., Hunt, and Tiller.
Hunt, Orville A., and Tiller.
Tillery, Claude: *See*— Farmer, James O., Carroll, and Tillery.
Tillery, Hubert B., assignor of one-half to L. D. Tillery, Kansas City, Mo. Garment hanger guard and making same. 2,510,043, May 30.
Tillery, Hubert B., assignor of one-half to L. D. Tillery, Kansas City, Mo. Garment hanger guard. 2,510,044, May 30.
Tillery, L. D., assignee: *See*— Tillery, Hubert B.
Tilley Lamp Company Limited, The, assignee: *See*— Colle, William G.
Tilli, Vincent L., Philadelphia, Pa. Fixture. 2,523,343, Sept. 26.
Tilliet, Jean E., Neuilly-sur-Seine, France. Fuel injection for internal-combustion engines. 2,503,642, Apr. 11.
Tillitson, Edward W., Grosse Pointe, assignor to Parke, Davis & Company, Detroit, Mich. Stabilized organic compounds and obtaining the same. 2,493,471, Jan. 3.
Tillman, Ferdinand J., St. Louis, Mo. Typewriter calculating machine. Re. 23,244, June 20.
Tillman, John R., North Harrow, assignor to Telephone Manufacturing Company Limited, London, England. Valve modulator. 2,504,469, Apr. 18.
Tillman, John R., North Harrow, England. Electron discharge tube circuits. 2,516,812, July 25.
Tillman, Lambert J., Toledo, Ohio. Door mechanism for railway cars. 2,533,536, Dec. 12.
Tillotson, James H., Spartanburg, S. C. Axially shifting type adjustable tire removing machine. 2,504,760, Apr. 18.
Tillotson, Le Roy C.: *See*— Lewis, Willard D., and Tillotson.
Tillou, Richard G., Lombard, assignor to W. H. Miner, Inc., Chicago, Ill. Combined spring and snubber for railway car trucks. 2,525,976, Oct. 17.
Tills, John W., Upton, England. Vapor stream vacuum pump. 2,501,923, Mar. 28.
Tilly, James O., Tulsa, Okla. Letter and package opener. 2,535,555, Dec. 26.
Tilly, Joseph G.: *See*— Broussard, Rene J., and Tilly.
Tillyer, Edgar D., assignor to American Optical Company, Southbridge, Mass. Lenticular cataract lens. 2,518,099, Aug. 8.
Tillyer, Edgar D., assignor to American Optical Company, Southbridge, Mass. Glass composition. 2,524,719, Oct. 3.
Tillyer, Edgar W., assignor to American Optical Company, Southbridge, Mass. Multifocal aphakic lens. 2,517,609, Aug. 8.
Timber Engineering Company, assignee: *See*— Farber, Eduard.
Farber, Eduard, and Sciascia.
Timberlake, Journey F., assignor of one-half to H. L. Settle, Charlottesville, Va. Indicating device for bowling alleys having elevatable pin receiving means. 2,520,662, Aug. 29.
Timberland Equipment, Inc., assignee: *See*— Symons, Robert C.
Timber Structures, Inc., assignee: *See*— Payzant, Henry H.
Time, Inc., assignee: *See*— Moe, William W.
Time, Incorporated, assignee: *See*— Braunworth, Albert.
Peery, Walter E.
Time Saver Corporation of America, assignee: *See*— Fox, Filbert G.
Times Facsimile Corporation, assignee: *See*— Cooley, Austin G.
Grafstein, Paul L., and Cooley.
Schauer, Joseph.
Shonnard, John R.
Shonnard, John R., and Schauer.
Timken-Detroit Axle Company, The, assignee: *See*— Brownyer, Nelson R.
Buckendale, Lawrence R.
Cook, Charles A.
Haugen, Edmond H.
Keese, Beverly W.
Keese, Beverly W., and Cook.
Morgan, Mathew B.
Powers, Milton A.
Simi, Hendrick E.
Super, Ralph K.
Wilson, John A.
Timken Roller Bearing Company, The, assignee: *See*— Bonte, Frederick R.
Holsing, Robert H.
Laase, Charles A.
Mills, John P.
Timken Silent Automatic Division, The Timken-Detroit Axle Company, assignee: *See*— Suman, Robert W.
Timm Aircraft Corporation, assignee: *See*— Timm, Otto W.
Timm, Otto W., assignor to Timm Aircraft Corporation, Van Nuys, Calif. Vacuum cleaner. 2,503,568, Apr. 11.
Timmer, William F.: *See*— Webber, Charles S., and Timmer.
Timmerbeil, Ewald R., assignee: *See*— Van Dijk, Edsger W.
Timmerman, Julius W., Jr., Springfield, and R. E. Bold, Drexel Hill, Pa., assignor to General Electric Company. Control arrangement for fluid operated circuit breakers. 2,500,777, Mar. 14.
Tincler, George A., Union City, Pa., and R. H. Gill, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Explosively actuated power tool for upsetting tubular rivets. 2,507,740, May 16.
Tinder, Viola E., Auburn, Calif. Salad bowl. 2,533,853, Dec. 12.
Tingle, William W., Glendale, Calif. Variable capacity hydraulic rotary pump or motor. 2,510,609, June 6.
Tingley, Iva R., Santa Barbara, Calif. Adjustable holder for cut flowers. 2,496,758, Feb. 7.
Tinius Olsen Testing Machine Company, assignee: *See*— Sundby, Harold C.
Tink, Robert M., Los Angeles, Calif. Electrically generating tones. 2,525,156, Oct. 10.
Tinker, Malcolm H., assignor to B. F. Perkins & Son, Inc., Holyoke, Mass. Apparatus for testing the crush strength of paper. 2,518,959, Aug. 15.

Tinker, Theodore B. : *See*—
Leo, Arnold G., and Tinker.

Tinker, Townsend, Orchard Park, assignor to Ross Heater & Manufacturing Co., Inc., Buffalo, N. Y. Heat exchanger. 2,498,145, Feb. 21.

Tinkham, Charles W., Baltimore, Md. Static wheel balancer. 2,506,002, May 2.

Tinkham, Russell J., assignor to Magnecord, Inc., Chicago, Ill. Wire and tape driving means. 2,499,699, Mar. 7.

Tinkham, Russell J., and R. L. Landon, assignors to Magnecord, Inc., Chicago, Ill. Magnetic recording and reproducing apparatus. 2,499,700, Mar. 7.

Tinkham, Russell J., assignor to Armour Research Foundation of Illinois Institute of Technology, Chicago, Ill. Magnetic recorder for producing multiple duplicate records. 2,503,925, Apr. 11.

Tinley, Ernest L. : *See*—
Picton, John B., and Tinley.

Tinley, Ernest L., assignor to Joshua Bigwood & Son Limited, Wolverhampton, England. Gripping device for sheet metal stretching machines. 2,522,319, Sept. 12.

Tinnerman, Albert H., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Sheet metal spring clip with clasp means. 2,535,879, Dec. 26.

Tinnerman, George A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Fastening device. 2,495,037, Jan. 17.

Tinnerman, George A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Self-clinching fastening device. 2,501,701, Mar. 28.

Tinnerman, George A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Fastening device. 2,502,539, Apr. 4.

Tinnerman, George A., assignor to Tinnerman Products Inc., Cleveland, Ohio. Fastening device for electric wires. 2,512,982, June 27.

Tinnerman, George A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Fastening device. 2,516,274, July 25.

Tinnerman, George A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Fastening device. 2,523,239, Sept. 19.

Tinnerman George A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Fastening device. 2,525,977, Oct. 17.

Tinnerman, George A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Fastening device. 2,528,675, Nov. 7.

Tinnerman, George A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Rod joint or connection. 2,530,554, Nov. 21.

Tinnerman Products, Inc., assignee : *See*—
Flora, Laurence H.
Hartman, Richard A.
Judd, Charles H.
Snyder, Everett S., and Johnson.
Tinnerman, Albert H.
Tinnerman, George A.

Tinsley, James D., Bakersfield, Calif. Clothespin. 2,508,307, May 16.

Tinsley, James D., Bakersfield, Calif. Cutter blade can opener. 2,510,195, June 6.

Tinsley, John S. : *See*—
Klug, Eugene D., and Tinsley.

Tinsley, John S., assignor to Hercules Powder Company, Wilmington, Del. Apparatus for the preparation of thermoplastic materials. 2,513,434, July 4.

Tinsley, John S., and P. B. Welldon, assignors to Hercules Powder Company, Wilmington, Del. Preparation of chlorinated polymers. 2,511,605, June 13.

Tinsley, Stanley G., Billingham, England, assignor to National Lead Company, New York, N. Y. Frit suspension and making and applying. 2,526,299, Oct. 17.

Tippen, Frank J., Coventry, England. Wear distribution device for friction wheels. 2,527,203, Oct. 24.

Tippet, Philip V., assignor to Farrel-Birmingham Company, Incorporated, Ansonia, Conn. Intermediate carrier for cane mills. 2,507,067, May 9.

Tipton, Elizabeth B., executrix : *See*—
Tipton, William D.

Tipton, Eugene B. : *See*—
Jackson, Joseph L., and Tipton.

Tipton Furniture Company, Inc., assignee : *See*—
Kirkwood, Walter B., and Stevens.

Tipton Mfg. Co., Inc., assignee : *See*—
Ehlert, Elmer R.

Tipton, William D., Stoneleigh, Md. ; E. B. Tipton, executrix of said W. D. Tipton, deceased, assignor of one-half to M. K. Murphy, Detroit, Mich. Automatic power transmission. 2,505,160, Apr. 25.

Tip-Top Products Company, assignee : *See*—
Bolduc, Emile P.
Renstrom, Carl W., Hoffmann, and Gresham.

Tire-Larm Co., assignee : *See*—
Siever, Paul.

Tiscione, Anthony, Brooklyn, N. Y. Switch controlled electric light socket. 2,524,496, Oct. 3.

Tiscione, Anthony, Brooklyn, N. Y. Bubbling fluid ornamental display device. 2,530,794, Nov. 21.

Tiscione, Anthony, Brooklyn, N. Y. Electric light socket. 2,534,804, Dec. 19.

Tisdale, Leo S., Sr., Meridian, Miss. Antenna input circuit for radio receivers. 2,529,202, Nov. 7.

Tisdale, Norman F., Pittsburgh, and E. A. Lucas, Washington, Pa., assignors to Molybdenum Corporation of America, New York, N. Y. Production of a ferrous composition and article therefor. 2,509,281, May 30.

Tisdale, Shirley T., assignor, by mesne assignments, of five per cent to C. V. Thompson and five per cent to M. M. Braly, Ada, Okla. Automatic rotary drill pipe holder. 2,535,464, Dec. 26.

Tishler, Max : *See*—
Babson, Robert D., and Tishler.
Howe, Eugene E.
Pfister, Karl, III, and Tishler.
Pierson, Earl H., and Tishler.
Sheehan, John C., Mozingo, Folkers, and Tishler.
Wilson, Evelyn, Weijlard and Tishler.

Tishler, Max, Rahway, and E. E. Howe, Linden, assignors to Merck & Co., Inc., Rahway, N. J. Preparation of acetamidomalonates. 2,521,809, Sept. 12.

Tishler, Max, Westfield, and E. E. Howe, Boundbrook, assignors to Merck & Co., Inc., Rahway, N. J. Preparing α-acylamido acetoacetic ester. 2,521,810, Sept. 12.

Tishler, Max, Rahway, N. J., and J. W. Wellman, Pittsfield, Mass., assignors to Merck & Co., Inc., Rahway, N. J. Preparation of crystalline salts of riboflavin. 2,531,712, Nov. 28.

Tisie, Patrick B., Detroit, Mich. Portable riveter. 2,515,674, July 18.

Tiso, John E. : *See*—
Schaab, Rudolph S., and Tiso.

Tissot-Dupont, André L. H., Annecy, France. Cigarette lighter. 2,498,316, Feb. 21.

Titan Company, Inc., assignee : *See*—
Oppegaard, Assur G.

Titan Tool Company, assignee : *See*—
McKean, Boyd A.

Titcomb, Albert S., South Warren, R. I. Abrasive block or segment. 2,501,422, Mar. 21.

Titley, Walter J., Santa Monica, Calif. Platform for converting the after compartment of an automobile. 2,503,602, Apr. 11.

Titmus, Richard A., Petersburg, Va. Waterproof cement vault. 2,527,464, Oct. 24.

Titterton, Ernest W., Harwell, Bidcot, England. X-ray system. 2,534,758, Dec. 19.

Titterton, Ernest W., Harwell, Didcot, England, assignor to the United States of America as represented by the United States Atomic Energy Commission. Coincidence circuit. 2,535,377, Dec. 26.

Titterton, Ernest W., Harwell, Bidcot, England, and H. G. Voorhies, Cambridge, Mass., said Voorhies assignor to the United States of America as represented by the United States Atomic Energy Commission. High-voltage generator circuits. 2,524,240, Oct. 3.

Toastwell Company, Incorporated, The, assignee : *See*—
McCullough, Paul J.
Pavelka, Joseph.

Tobey, Raymond E., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Refrigerator having an automatically controlled secondary refrigerant system. 2,500,778, Mar. 14.

Tobey, Raymond E., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Refrigeration apparatus. 2,519,943, Aug. 22.

Tobias, Arthur A., assignor to R. T. Moloney, Chicago, Ill. Spiral grinding machine. 2,503,926, Apr. 11.

Tobias, Roscoe C., Aurora, Ill. Bird feeder. 2,504,282,

Tobiasson, George T. : *See*—
Morrell, Jacque C., and Tobiasson.
Morrell, Jacque C., Tobiasson, and Wright.

Tobin, Kenneth J. : *See*—
Nampa, Sulo M., Tobin, and Dunlap.

Tobin, Max, and F. J. Rogers, New York, N. Y. Simulated racing apparatus. 2,530,555, Nov. 21.

Tobler, Henry, Jr., Yonkers, assignor, by mesne assignments, to Allied Process Corporation, New York, N. Y. Gas generator. 2,531,657, Nov. 28.

Toby, Fred L. : *See*—
Toby, Max E. and F. L.

Toby, Max E. and F. L., San Francisco, Calif., assignors to Niagara Duplicator Co. Variable speed motor drive mechanism. 2,503,425, Apr. 11.
Apr. 18.

Todd, Earl, Indianapolis, Ind. Single column elevator device. 2,527,897, Oct. 31.

Todd, Earl, Kokomo, assignor to Aerl, Inc., Indianapolis, Ind. Electric hoist structure. 2,514,563, July 11.

Todd, Everett W., assignor to The Massey-Harris Company, Racine, Wis. Direct-coupled tractor plow. 2,505,580, Apr. 25.

Todd, Floyd B., Merriam, Kans. Grain drying and treating apparatus of the treated material vibrating type. 2,497,703, Feb. 14.

Todd, George D., Jr., assignee : *See*—
Smith, George R.

Todd, George H. : *See*—
Axtell, Willard G., and Todd.

Todd, Harry O., Dayton, Ohio, assignor to Parker Brothers, Inc., Salem, Mass. Stock market board game apparatus used with two contrasting dice. 2,526,300, Oct. 17.

Todd, John B. : *See*—
Henry, Philip S. H., McDonald, and Todd.

Todd, John C., Greenville, S. C. Shuttle feeler mechanism. 2,508,807, May 23.

Todd, Keith H., P. L. Eisinger, and J. C. Vogt, Baltimore, Md. Container having a slidably extensible pouring spout. 2,497,569, Feb. 14.
Todd, Max E.: *See*—
Fletcher, William A., Sample, and Todd.
Nichols, Charles A., Todd, Fletcher, and Keller.
Todd, Russell T., assignor to The McKay Machine Company, Youngstown, Ohio. Metal strip uncoiler. 2,508,977, May 23.
Todd, Seldon P., Amherst, M. L. Myers, Lynchburg, and W. J. Cauwenberg, Piney River, Va., assignors to American Cyanamid Company, New York, N. Y. Production of titanium dioxide pigment from high titanium dioxide content slags. 2,531,926, Nov. 28.
Todd, Virgil H., Rockford, Ill. Crucible skimmer. 2,494,270, Jan. 10.
Todd, William, Neptune City, N. J., assignor to the United States of America as represented by the Secretary of War. Radio pulse receiver interference eliminator. 2,512,699, June 27.
Todd, William L., New Smyrna Beach, Fla., and A. H. Feibel, Cincinnati, Ohio, assignors to The Kelley-Koett Manufacturing Co., Covington, Ky. X-ray equipment mounting column. 2,522,147, Sept. 12.
Todoroff, Alexander N., Chicago, Ill. Film processing equipment. 2,524,686, Oct. 3.
Toensfeldt, Kurt, Port Washington, N. Y., assignor to Combustion Engineering-Superheater, Inc. Control means for electric steam generators. 2,535,569, Dec. 26.
Toews, Peter J., assignor to Dough-King, Inc., Minneapolis, Minn. Doughnut machine. 2,530,920, Nov. 21.
Tofflemire, Benjamin F., Lafayette, Calif. Intraoral fracture and orthodontic appliance. 2,502,902, Apr. 4.
Tofflemire, Benjamin F., Lafayette, Calif. Dental matrix retainer. 2,502,903, Apr. 4.
Toft, Norman P., London, England, assignor to R. Hoe & Co. Inc., New York, N. Y. Doctor blade mechanism for use in rotary intaglio printing machines. 2,497,520, Feb. 14.
Tognola, Tullio, Sidney, and W. C. Smith, Oneonta, assignors to Bendix Aviation Corporation, New York, N. Y. Ignition apparatus. 2,506,560, May 2.
Tognola, Tullio, Sidney, assignor to Bendix Aviation Corporation, New York, N. Y. Governor. 2,519,801, Aug. 22.
Toidey Company, Gertrude A. Muller, Inc., The, assignee: *See*—
Singleton, Arthur E.
Tolan, James E., Narberth, Pa., assignor to Warren Webster & Company, Camden, N. J. Radiator bracket. 2,501,147, Mar. 21.
Toland, William C., Brookline, A. P. Reynolds, Wellesley, and M. H. Hamilton, Lexington, Mass. Lithographic printing plate. 2,532,865, Dec. 5.
Toland, William C., Brookline, and M. H. Hamilton, Lexington, Mass. Method and plate for lithographic printing. 2,532,866, Dec. 5.
Toland, William G., Jr., Richmond, assignor to California Research Corporation, San Francisco, Calif. Preparation of isophthalic acid. 2,531,172, Nov. 21.
Toland, William G., Jr., Richmond, assignor to California Research Corporation, San Francisco, Calif. Preparation of terephthalic acid. 2,531,173, Nov. 21.
Tolbert, Philip L., Indianapolis, Ind. Overtire. 2,524,551, Oct. 3.
Tole, John, Milwaukee, Wis. Wax warmer. 2,499,337, Feb. 28.
Toledo Scale Company, assignee: *See*—
Bohannan, Robert S.
Bradley, Robert O.
Brown, James D.
Hart, Norman E.
Hart, Norman E., and Guss.
Marco, Salvatore M., and Davis.
Marshall, Charles O., Jr.
Marshall, Charles O., Jr., and Yeasting.
Moree, Leland E.
Pease, William M.
Richard, Grant M.
Robinson, Bruce E.
Weckerly, Mark A.
Williams, Lawrence S.
Winberg, Travis W., and Ames.
Wood, George R.
Toledo Steel Tube Company, The, assignee: *See*—
Myers, Hubert A.
Toleik, John A., Berwyn, Ill. Centrifugal casting machine. 2,507,388, May 9.
Toleman, Stewart L.: *See*—
Kramer, Irvin R., Toleman, and Haswell.
Tollenaar, Frederik D., assignor to Nederlandse Organisatie voor Toegepast-Natuurwetenschappelijk Onderzoek, ten behoeve van de Voeding, Utrecht, Netherlands. Stabilization of edible fats, oils, and foods containing fats and oils. 2,502,109, Mar. 28.
Toller-Bond, Dudley H.: *See*—
O'Brien, William J., and Toller-Bond.
Toller-Bond, Dudley H., assignor to The Decca Record Company, Limited, London, England. Aerial system. 2,508,657, May 23.
Tolley, Donald B.: *See*—
Harvey, William D., and Tolley.
Tolley, Donald B., Macomb, Ill., assignor to Globe American Corporation, Kokomo, Ind. Automatic liquid container. 2,509,375, May 30.
Tollison, Paul L.: *See*—
Roesen, Oscar C., Ricards, and Tollison.
Tollison, Paul L., North Plainfield, N. J., and C. S. Caffrey, Port Washington, N. Y., assignors to Wood Newspaper Machinery Corporation, Plainfield, N. J. Web severing mechanism. 2,518,960, Aug. 15.
Tolliver, Keith W., Homewood, Ill. Chuck construction. 2,533,154, Dec. 5.
Tolman, Leo L.: *See*—
Martin, Gustav J., and Tolman.
Tolson, Wilson J., Lancaster, Pa., assignor to Radio Corporation of America. Grid cathode assembly for cathode-ray tubes. 2,510,267, June 6.
Tolson, Wilson J., Riverton, Utah, assignor to Radio Corporation of America. Plate support. 2,525,737, Oct. 10.
Tolstoouhov, Alexander V.: *See*—
Friedman, Harris L.
Tom, John E., East Cleveland, assignor, by mesne assignments, to Earl Realty Company, Cleveland, Ohio. Tractor mower connection. 2,523,166, Sept. 19.
Tom, John E., East Cleveland, assignor, by mesne assignments, to Earl Realty, Company, Cleveland, Ohio. Power garden tractor. 2,532,580, Dec. 5.
Tom, Theodore B., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Stabilized motor fuel. 2,506,847, May 9.
Tomala, B. Louis, Chicago, Ill., assignor to C. W. Musser, Niles, Mich. Reel. 2,515,430, July 18.
Tomalis, Joseph J., deceased, Providence, R. I., by L. D. Tomalis, administratrix, Detroit, Mich.; said J. J. Tomalis assignor to American Screw Company, Providence, R. I. Screw driver having cruciform shaped bit. 2,507,231, May 9.
Tomalis, Lillian D., administratrix: *See*—
Tomalis, Joseph J.
Toman, Edward J., San Bernardino, Calif. Vegetable and fruit slicer. 2,510,435, June 6.
Tomarin, Harry A., Cincinnati, assignor to Loroco Industries Incorporated, Reading, Ohio. Support shield for hangers. 2,534,081, Dec. 12.
Tomarin, William, Cincinnati, Ohio. Can body construction. 2,496,568, Feb. 7.
Tomcufcik, Andrew S.: *See*—
Thomas, Henry C., and Tomcufcik.
Tomczyk, Alphonse J., Chicago, and M. C. Spreitzer, Des Plaines, Ill. Airplane type kite. 2,493,704, Jan. 3.
Tomel, Michael J., Richmond Hill, N. Y. Sectional header for auto radiators. 2,498,594, Feb. 21.
Tomer, Robert B.: *See*—
Greenhalgh, John, Pinkham, and Tomer.
Tomkins, Walter M., Hinsdale, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Method and apparatus for gassing the contents of cans. 2,518,100, Aug. 8.
Tomkins, Walter M., Hinsdale, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Can arranging and bagging method and apparatus. 2,535,880, Dec. 26.
Tomlin, Emile A., Cambridge, Mass. Hole burning torch tip. 2,531,174, Nov. 21.
Tomlin, Stanley G., Aldwych, London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Electron velocity modulation device. 2,502,492, Apr. 4.
Tomlin, Stanley G., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Electron discharge apparatus. 2,520,182, Aug. 29.
Tomlin, Stanley G., London, England, assignor by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Electron discharge device of the electron velocity modulation type. 2,521,763, Sept. 12.
Tomlin, Stanley G., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Electron discharge device of the electron velocity modulation type. 2,523,344, Sept. 26.
Tomlines, Thomas F. I., Rockville Centre, N. Y., assignor to the United States of America as represented by the Secretary of the Navy. Gear train. 2,513,217, June 27.
Tomlinson, Fay M., Lakewood, assignor to The Warner & Swasey Company, Cleveland, Ohio. Hydraulic control for machine tools. 2,505,221, Apr. 25.
Tomlinson, John E., Los Angeles, Calif. Automatic screen door hook. 2,526,979, Oct. 24.
Tomlinson, Kent, assignor, by mesne assignments, to E. J. Albright, Chicago, Ill. Plucking feathers. 2,512,843, June 27.
Tomlinson, Kent, assignor, by mesne assignments, to E. J. Albright, Chicago, Ill. Feather plucking finger. 2,524,942, Oct. 10.
Tomlinson, Lloyd E., assignor to Hydro-Aire, Incorporated, Los Angeles, Calif. Hydraulic pump and motor transmission with motor displacement responsive to motor speed and fluid pressure. 2,518,578, Aug. 15.
Tomlonson, Thomas H.: *See*—
Schultz, Aage V., and Tomlonson.
Tompkins, Albert H., Springfield, Mass. Breechblock for firearms. 2,500,103, Mar. 7.

Tompkins, Howard E., Media, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Electrical phase shift system. 2,529,117. Nov. 7.

Tompkins, Howard E., Media, and W. E. Bradley, Swarthmore, assignors, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Method and apparatus for producing a helical magnetic sound track on a wire record. 2,511,606, June 13.

Tompsett, Alan L. L.: *See*—
Gadsby, John, and Tompsett.

Tomoser, Herbert, Kenmore, assignor to Twentieth Century Valve Corporation, Inc., New York, N. Y. Valve. 2,509,656, May 30.

Toms, Frank H., Detroit, Mich. Shade roller operating device. 2,532,867, Dec. 5.

Tondora, Joseph, Linden, N. J. Combined window sash and screen. 2,494,844, Jan. 17.

Tone Products Corporation of America, assignee: *See*—
Strauss, Irving, and Kaye.

Toney, Charles D.: *See*—
Wright, John G., Toney, Watkins and Sudan.

Toney, Gordon B.: *See*—
Barnhart, John, and Toney.

Toney, John R., Los Angeles, Calif. Egg holder. 2,531,955, Nov. 28.

Toney, Nathan A., Brattleboro, Vt. Combined salt and pepper shaker. 2,504,905, Apr. 18.

Tong, George C., St. Louis, Mo. Heat therapy appliance. 2,495,356, Jan. 24.

Tongue, Thomas O.: *See*—
Legal, Casimer C., Tongue, and Wight.
Wight, Edward H., and Tongue.

Tonn, Howard H., Arvada, assignor to Spectro Manufacturing & Sales, Inc., Wheatridge, Colo. Extensible Gate. 2,531,310, Nov. 21.

Tonnar, Paul B., Pittsburgh, Pa., assignor to Carnegie-Illinois Steel Corporation. Blast furnace stock line repairing. 2,513,068, June 27.

Tonno-Shield Corporation, assignee: *See*—
Edlund, Henry K., Monjar, Shuman, and De Tamble.

Toogood, Loren S., La Grange, assignor to J. P. Seeburg Corporation, Chicago, Ill. Wind and rewind machine for magnetic recording media. 2,526,783, Oct. 24.

Toohey, Timothy R., Gagetown, Mich. Garden tractor wheel drive. 2,510,434, June 6.

Tooke Bros. Limited, assignee: *See*—
Woodward, Hermon H.

Tooker, Frank H.: *See*—
Cleaveland, Le Roy A., and Tooker.

Tooley, Fay V., R. G. Russell, and R. B. Wiley, Newark, assignors to Owens-Corning Fiberglas Corporation, Toledo, Ohio. Apparatus for increasing the homogeneity of molten glass. 2,515,478, July 18.

Tooley, Fay V., Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation. Apparatus for mixing molten glass. 2,520,577, Aug. 29.

Toombs, Harold, Greenwood, Ind. Holder for spools of ribbon and the like. 2,526,440, Oct. 17.

Toomey, John F., Floral Park, N. Y., and R. L. Cordell, Tulsa, Okla. Motor-driven switching mechanism. 2,506,621, May 9.

Toone, Conrad, Rochester, Ind., assignor to Armour and Company, Chicago, Ill. Making cheese. 2,520,183, Aug. 29.

Toops, Glynn H., Sharon, Pa., assignor to General American Transportation Corporation, Chicago, Ill. Welding pressure vessels. 2,511,553, June 13.

Toorell, Sture, assignor to Aktiebolaget Facit, Atvidaberg, Sweden. Aligning means for crawl-carry transfer mechanism. 2,529,747, Nov. 14.

Toot, David F., Huntington Woods, Mich., and V. E. Matulaitis, Rochester, N. Y., assignors to Chrysler Corporation, Highland Park, Mich. Steering-by-driving mechanism and electric control therefor. 2,525,190, Oct. 10.

Tootal Broadhurst Lee Company Limited, assignee: *See*—
Foulds, Robinson P.

Topanelian, Edward, Jr., assignor to Gulf Research & Development Company, Pittsburgh, Pa. Rotary fluid unit for take-off under variable control. 2,509,321, May 30.

Topham, Laurence E., Wenham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Mechanism for clamping and operating on workpieces. 2,512,753, June 27.

Topham, Laurence E., Wenham, and C. L. Knott, Beverly, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Automatic copying lathe for shoe lasts. 2,531,590, Nov. 28.

Topham, Laurence E., Wenham, and G. P. S. Cross, Beverly, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Apparatus for forming a hinge surface on a last block. 2,535,465, Dec. 26.

Topper, Oscar T., Santa Monica, Calif. Stroller. 2,534,539. Dec. 19.

Topping, Hunter L.: *See*—
Stuck, Kenneth H., and Topping.

Torburn, Gustav P., San Carlos, Calif. Prefabricated railway refrigerator car. 2,529,641, Nov. 14.

Torburn, Gustav P., San Mateo, Calif. Railway car door ladder. 2,517,811, Aug. 8.

Torcheux, Emile: *See*—
Vaudoux, Henry, and Torcheux.

Torcheux, Emile, Paris, France, assignor to Societe Francaise Radio-Electrique. Electromechanical remote-control device. 2,505,262, Apr. 25.

Toreson, Ethel A. H., Minneapolis, Minn. Manicuring device. 2,506,254, May 2.

Torkelson, Frank C., Salt Lake City, Utah, assignor to Western School Supply Company, Inc. Bleacher construction. 2,503,363, Apr. 11.

Torkelson, Torkel E., Baldwin, assignor to The Fairbanks Company, New York, N. Y. Pressed steel caster and making. 2,500,886, Mar. 14.

Tormey, Thomas A., Woodside, N. Y. Competitive labyrinth game board. 2,525,738, Oct. 10.

Torn, William R., assignor to Operadio Manufacturing Company, St. Charles, Ill. Intercommunication system. 2,500,141, Mar. 7.

Tornberg, Isidor: *See*—
Eisenberg, Daniel, and Tornberg.

Tornblom, Nils A., Chicago, Ill., assignor to Appleton Electric Company. Drain fitting. 2,516,096, July 18.

Tornblom, Nils A., assignor to Appleton Electric Company, Chicago, Ill. Vented explosion-proof lighting fixture. 2,530,135, Nov. 14.

Törnborg, Algot K. G. B., Nassjo, Sweden. Groove cutting tool. 2,515,810, July 18.

Tornquist, Earl L., Elmhurst, assignor of one-half to J. A. Dienner, Evanston, Ill. Film developing reel. 2,509,708, May 30.

Tornquist, William R., Aiken, S. C., and L. H. Vandermark, Maplewood, N. J., assignors to United Merchants and Manufacturers, Inc., Wilmington, Del. Composition and method for treating textile products. 2,526,301, Oct. 17.

Toronto Carpet Manufacturing Co. Limited, assignee: *See*—
Watson, Frederick W.

Torphammar, Nils G. Y.: *See*—
Landberg, Erik A., and Torphammar.

Torq Electric Manufacturing Company, The, assignee: *See*—
Greenhut, Joseph.

Torrance, Frank W., Hamilton, Ontario, Canada. Reaction and fluid lock rotary hydraulic driving unit. 2,511,135, June 13.

Torrence, Maynard F., Woodstown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Curing of chloroprene polymers. 2,518,579, Aug. 15.

Torres, Jose A. L., Utuado, P. R. Combination tooth paste tube and toothbrush. 2,498,829, Feb. 28.

Torresen, Carel T., Santa Monica, Calif. Fastener adjuster. 2,517,364, Aug. 1.

Torretti, Theodore T., Trenton, N. J., assignor to the United States of America as represented by the Secretary of War. Antenna. 2,493,787, Jan. 10.

Torrington Company, The, assignee: *See*—
Thomas, Stanley R., and Toth.

Torrington Manufacturing Company, The, assignee: *See*—
Murray, John M.

Torrisi, Anthony A., assignor to The Therm Alarm Company, Inc., Lawrence, Mass. Safety and alarm apparatus. 2,522,850, Sept. 19.

Torsch, Charles E., Lancaster Township, Lancaster County, Pa., assignor to Radio Corporation of America. Cathode-ray beam deflector. 2,494,459, Jan. 10.

Torsch, Charles E., Lancaster Township, Lancaster County, Pa., assignor to Radio Corporation of America. Synchronizing system. 2,504,235, Apr. 18.

Torsch, Charles E., Towson, Md., assignor to Radio Corporation of America. Cathode-ray tube deflection system. 2,510,027, May 30.

Torsney, Edward, assignee: *See*—
Meany, Vincent J.

Tortorelli, Adolfo: *See*—
Tortorelli, Adriano and A.

Tortorelli, Adriano and A., Siena, Italy. Refrigerated showcase having means for preventing condensation. 2,506,977, May 9.

Tosoni, Anthony L., and P. J. Moloney, assignors to The Governors of the University of Toronto, Toronto, Ontario, Canada. Insoluble salts of penicillin. 2,521,758, Sept. 12.

Tostenrud, Ralph L., and H. F. Irmiter, Armstrong, Iowa. Stalk pulverizer. 2,527,974, Oct. 31.

Tota, Kenneth P., Elmira, N. Y., assignor to Bendix Aviation Corporation. Engine starter control switch. 2,532,968, Dec. 5.

Totebrush, Inc., assignee: *See*—
Stacey, Ted R., and Lesner.

Toth, Barnabas P., assignor to Barnaby Manufacturing and Tool Company, Bridgeport, Conn. Floating chuck adapter. 2,497,426, Feb. 14.

Toth, Emerick, Takoma Park, Md. Full-wave noise-peak and output limiter. 2,493,045, Jan. 3.

Toth, Emerick, Takoma Park, Md. Noise reducing network. 2,497,103, Feb. 14.

Toth, Emerick, Takoma Park, Md. Radio receiver alignment system. 2,499,429, Mar. 7.

Toth, Emerick, Takoma Park, Md. Selective amplifier system. 2,505,813, May 2.

Toth, Emerick, Takoma Park, Md. Miniature acorn-tube socket with floating contacts. 2,536,011, Dec. 26.

Toth, John J., assignee: *See*—
Toth, Joseph, Sr.

Toth, Joseph, Jr., assignee: *See*—
Toth, Joseph, Sr.
Toth, Joseph, Sr., Fairfield, assignor to John J. and Joseps Toth, Jr., Bridgeport, Conn. Tool. 2,504,093, Apr. 11.
Toth, Julius, and G. J. Freese, East McKeesport, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Shock-resisting thermally-responsive device. 2,501,363, Mar. 21.
Toth, Leo A.: *See*—
Thomas, Stanley R., and Toth.
Toth, Louis, Flushing, N. Y. Latch. 2,529,748, Nov. 14.
Totebrush, Inc., assignee: *See*—
Stacey, Ted R., and Lesner.
Totman, Clifford E., Rio Vista, Calif., assignor to International Harvester Company. Compression control for baling presses. 2,518,402, Aug. 8.
Tots Superwear Co., assignee: *See*—
Norvich, Samuel G.
Totten, Alfred H., Youngstown, Ohio. Two-stage vapor condenser. 2,531,753, Nov. 28.
Totten, Randolph J., Yardville, N. J. Straw cutter. 2,522,320, Sept. 12.
Toubhans, René H., San Leandro, Calif. Fabric folding machine. 2,506,182, May 2.
Touborg, Jens, assignor to Tecumseh Refrigeration Sales and Engineering Company, Tecumseh, Mich. Externally finned hermetic compressor. 2,493,171, Jan. 3.
Touchberry, Alice, Palm Beach, Fla. Apparatus for colonic therapy 2,506,183, May 2.
Touchett, Lawrence P., Fond du lac, Wis., assignor to E. Z. Paintr Corporation. Ventilator. 2,529,462, Nov. 7.
Tougas, Mercel S., Vermilion, Ohio. Push-and-pull exerciser. 2,530,921, Nov. 21.
Touhey, Carl J., Lakewood, Ohio, assignor to Moline Iron Works, Moline, Ill. Journal box lid and spring assembly. 2,512,291, June 20.
Toulmin, Harry A., Jr., assignor to The Commonwealth Engineering Company of Ohio, Dayton, Ohio. Manufacturing butter. 2,505,654, Apr. 25.
Toulmin, Harry A., Jr., assignor to New Wrinkle, Inc., Dayton, Ohio. Producing ornamental wrinkle films. 2,511,024, June 13.
Toulmin, Harry A., Jr., Dayton, Ohio, assignor to Industrial Metal Protectives, Inc., Wilmington, Del. Wire and strip painting apparatus. 2,527,465, Oct. 24.
Toulmin, Harry A., Jr., and J. E. Berman, Dayton, Ohio, assignors to Industrial Metal Protectives, Inc., Wilmington, Del. Wire rope and manufacturing same. 2,509,894, May 30.
Toulon, Pierre M. G., Neuilly-sur-Seine, France. Generator of multiple voltages at different frequencies. 2,513,760. July 4.
Toulon, Pierre M. G., Neuilly-sur-Seine, France, assignor to Products & Licensing Corporation, New York, N. Y. Multiunit electron discharge tube. 2,534,688, Dec. 19.
Toulon, Pierre M. G., Paris, France. Electroionic relay and its application to the scanning. 2,499,233, Feb. 28.
Touraton, Emile, R. Zwobada, and A. Gratzmuller, Paris, France, assignors to International Standard Electric Corp., New York, N. Y. Resonator for velocity modulation tubes. 2,527,600. Oct. 31.
Tourres, Jacques, Le Havre, France. Method and a machine for the production of drinking glasses and similar glass articles. 2,523,737, Sept. 26.
Tourshou, Simeon I., Philadelphia, Pa., assignor to Radio Corporation of America. Pulse forming circuit. 2,499,234, Feb. 28.
Tousignan, Eugene J.: *See*—
Bortner, William A., Collins, and Tousignan.
Tousjeux et Nouveautés S. A., assignee: *See*—
Kohler, Paul.
Tousley, Nelson E.: *See*—
L'Hollier, Leslie H., and Tousley.
Touton, Rush D., Wynnewood, assignor to Wurton Machine Company, Philadelphia, Pa. Device for controlling air condition. 2,528,982. Nov. 7.
Tow, James O., Huntington Park, assignor to McCullough Tool Company, Los Angeles, Calif. Gun perforator. 2,509,657, May 30.
Tow, James O., Huntington Park, assignor to McCullough Tool Company, Los Angeles, Calif. Gun perforator. 2,530,844, Nov. 21.
Towar, Scott C., Burbank, Calif. Vaporizer type oil burner. 2,533,854, Dec. 12.
Towe, Amos M., Dayton, Ohio. Swing. 2,516,275, July 25.
Tower, Emery, Flint, Mich. Nonskid emergency shoe for motor vehicle wheels. 2,513,691. July 4.
Tower, George C., Bethany, assignor to B. S. Russell, New Haven, Conn. Well drilling machine. 2,522,412, Sept. 12.
Tower, Miles E., Boise, Idaho. Pulling device. 2,503,426, Apr. 11.
Tower, Paul, Los Angeles, Calif. Contact-type electrode holder. 2,525,381, Oct. 10.
Towle, Warren L., Akron, Ohio, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Photochemical production of benzene hexachloride. 2,534,485, Dec. 19.
Towler, Frank H.: *See*—
Towler, John M. and F. H.
Towler, John M., Harrogate, and F. H. Towler, Otley, England. Self-aligning journal bearing. 2,509,177, May 23.
Towler, John M., Thruscross, Summerbridge, near Harrogate, and F. H. Towler, Dob Park, near Otley, assignors to Electraulic Presses Limited, Rodley, England. Variable throttle valve. 2,531,371, Nov. 21.
Towler & Son Limited, assignee: *See*—
Porteous, William K.
Towmotor Corporation, assignee: *See*—
Cirillo, Lee.
Crawford, John T.
Frischmann, Joseph A.
Wessman, Daniel.
Towne, Edmund B., and J. B. Dickey, assignors to Eastman Kodak Company, Rochester, N. Y. Preparing 1,1,1-trifluoro-2-bromoethane. 2,500,218, Mar. 14.
Towne, Gene, Seattle, Wash. Three-dimensional picture. 2,514,814, July 11.
Townend, Robert V.: *See*—
Kelly, Donald H., and Townend.
Hammarén, Berndt W., Florio, and Townend.
Hammaren, Berndt W., and Townend.
Towner, Charles E., Oak Lawn, assignor to Crane Co., Chicago, Ill. Furnace refractory support. 2,517,258, Aug. 1.
Towner, Orrin W., Anchorage, Ky., assignor to the United States of America as represented by the Secretary of the Navy. Line-tuned oscillator. 2,531,713, Nov. 28.
Towner, Stanley H., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Differential galvanometer movement. 2,498,726, Feb. 28.
Towner, Stanley H., and P. A. Childs, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Electromagnetic relay. 2,510,157, June 6.
Townes, Charles H: *See*—
Darlington, Sidney, Townes and Wooldridge.
Townill, John, administrator: *See*—
Townill, Peter.
Townill, Peter, deceased, Plainfield, Ill.; J. Townill, administrator. Wrecking bar. 2,494,214, Jan. 10.
Townley, Holden B., Cleveland Heights, assignor to Perfection Stove Company, Cleveland, Ohio. Fuel oil measuring means with dipping trap chamber. 2,524,148, Oct. 3.
Townsend, Albert J., Lima, Ohio. Steam engine and operating the same. 2,517,943. Aug. 8.
Townsend, Albert J., Lima, Ohio, and J. J. Kirchhof, Tenafly, N. J.; said Kirchhof, assignor, by mesne assignments, to Franklin Railway Supply Company, Wilmington, Del. Locomotive construction providing improved tractive effort characteristics. 2,518,403, Aug. 8.
Townsend Engineering Company, assignee: *See*—
Townsend, Ray T.
Townsend, Frank L., Chicago, Ill. Combination full flow and by-pass filter. 2,507,125, May 9.
Townsend, Frank L., Chicago, Ill. Disk type filter unit. 2,507,126, May 9.
Townsend, Harold E., Elmira, N. Y. Pedal extension. 2,504,056. Apr. 11.
Townsend, Harold E., assignor to Trayer Products, Incorporated, Elmira, N. Y. Bicycle handle bar support. 2,523,402. Sept. 26.
Townsend, James A., Dayton, Ohio. Liquid rate-of-flow indicator. 2,519,416. Aug. 22.
Townsend, John S., Chicago, Ill., assignor to Carnegie-Illinois Steel Corporation. Charging box loader. 2,518,404, Aug. 8.
Townsend, Lawrence E., Garrison, N. Dak. Core lifting arrangement for deep well drills. 2,499,543. Mar. 7.
Townsend, Le Roy E., West Los Angeles, Calif. Fishing lure. 2,515,103, July 11.
Townsend, Maurice C., Hartford City, Ind. Water fountain for poultry. 2,530,922, Nov. 21.
Townsend, Paul H., and H. R. Schemm, assignors to Huron Portland Cement Company, Detroit, Mich. Air activated conveyer. 2,527,466, Oct. 24.
Townsend, Ray T., assignor to Townsend Engineering Company, Des Moines, Iowa. Skinning machine. Re. 23,222. Apr. 25.
Townsend, Ray T., assignor to Townsend Engineering Company, Des Moines, Iowa. Skinning machine. 2,522,728. Sept. 19.
Townsend, Samuel E., Haddonfield, assignor to The Esterbrook Pen Company, Camden, N. J. Writing instrument. 2,513,380. July 4.
Townshend, Basil W. O., Croydon, England. Lifesaving equipment for air and other craft. 2,510,843. June 6.
Townshend, John H., Wells, assignor to Scophony Limited, London, England. Bearing protector for dynamic balancing machines. 2,527,898, Oct. 31.
Towse, Roy S., Weiser, Idaho. Come-along for chains. 2,497,805, Feb. 14.
Towson, Sheldon K., assignee: *See*—
Golrick, Albert R.
Toy, Arthur D. F., Chicago, Ill., assignor to Victor Chemical Works. Laminates and polymers of alkenyl esters of arylphosphonic acids. 2,497,637, Feb. 14.
Toy, Arthur D. F., Chicago, Ill., assignor to Victor Chemical Works. Copolymers of alkenyl diesters of alkenylphosphonic acids with methyl methacrylate. 2,497,638, Feb. 14.
Toy, Arthur D. F., Chicago, Ill., assignor to Victor Chemical Works. Producing tetraethyl pyrophosphate. 2,504,165, Apr. 18.

Tozzi, Armand A., Bronx, N. Y. Ice bucket lining. 2,524,497, Oct. 3.

Trabucco, Vincent R., assignor to Steger Products Mfg. Corp., Steger, Ill. Stroller. 2,517,736, Aug. 8.

Tracerlab, Inc., assignee: *See*—
Carlin, Jack R., and Clarke.

Tracy, Bertrand P., Company, assignee: *See*—
Weissert, Elwood W.

Tracy, Glen M., assignor to Wright Machinery Company, Durham, N. C. Weighing machine. 2,522,767, Sept. 19.

Tracy, Michael J., Robertson, Mo. Operating means for window structures. 2,525,739, Oct. 10.

Tracy, William L., Port Washington, N. Y., assignor to The Sperry Corporation. Gimbal mounting structure. 2,504,166, Apr. 18.

Tracy, William L., Port Washington, O. E. Esval, Huntington, N. Y., and J. W. Robbins, Westwood, Mass., assignors to The Sperry Corporation. Gyroscopic apparatus. 2,514,426, July 11.

Trad, Victor, Deal, N. J. Timing device. 2,533,410, Dec. 12.

Trada, Albert L., Coeur d'Alene, Idaho. Lure clip for fishhooks. 2,522,073, Sept. 12.

Trade-Wind Motorfans, Inc., assignee: *See*—
Ott, Oran W.

Traeger, Elmer A.: *See*—
Kennedy, Jesse J., and Traeger.

Traffic Transport Engineering, Inc., assignee: *See*—
Stuart, Clarence C.

Trafton, Warren L., assignor to United-Carr Fastener Corporation, Cambridge, Mass. Closure member. 2,497,827, Feb. 14.

Trail-A-Boat Co., assignee: *See*—
Eichner, Ferdinand R.

Trail, Herbert H., assignor to Fuller Manufacturing Company, Kalamazoo, Mich. Transmission oil filter means. 2,499,798, Mar. 7.

Trailmobile Company, The, assignee: *See*—
Black, James J.

Traill, David: *See*—
Thomson, Robin H. K., and Traill.

Traill, David, Ardrossan, and G. K. Simpson, Fairlie, Scotland, assignors to Imperial Chemical Industries Limited. Improving the strength of artificial insolubilized protein filaments. 2,535,103, Dec. 26.

Trainer, Richard P.: *See*—
Kunreuther, Frederick, and Trainer.

Training Devices, Inc., assignee: *See*—
Bohl, William F., Jr.

Trainor, Foster J., assignor to Disto Corporation, Holly Hill, Fla. Electric snap switch. 2,498,020, Feb. 21.

Trainor, Foster J., assignor to Disto Corporation, Holly Hill, Fla. Snap action clamping device. 2,503,854, Apr. 11.

Trainor, Foster J., assignor to Disto Corporation, Holly Hill, Fla. Electric snap switch. 2,524,408, Oct. 3.

Trainor, Foster J., Holly Hill, Fla. Electric snap switch. 2,524,409, Oct. 3.

Trainor, Foster J., Holly Hill, Fla. Electric snap switch. 2,524,410, Oct. 3.

Trainor, Foster J., Holly Hill, Fla. Electric snap switch. 2,524,411, Oct. 3.

Trammell, William E., Atlanta, Ga. Attachment for fastening tables to automobile instrument panels. 2,510,436, June 6.

Tramontini, Vernon N.: *See*—
Allen, George W., and Tramontini.
Fairbanks, Gordon J., and Tramontini.

Tramontini, Vernon N., Indianapolis, Ind., assignor to Stewart-Warner Corporation, Chicago, Ill. Heater control system with time-delay switch. 2,535,969, Dec. 26.

Tramontini, Vernon N., and G. W. Allen, Indianapolis, Ind., assignors to Stewart-Warner Corporation, Chicago, Ill. Heat exchanger and combustion chamber construction for internal-combustion air heaters. 2,494,785, Jan. 17.

Trane Company, The, assignee: *See*—
Hicke, Gerald E.
Ringquist, Clarence L., and Miner.
Trane, Reuben N.

Trane, Reuben N., assignor to The Trane Company, La Crosse, Wis. Air distributor. 2,525,157, Oct. 10.

Tranin Egg Products Company, assignee: *See*—
Payton, Allen L.

Transandean Associates, Inc., assignee: *See*—
Case, Rogers.

Trans-Continental Industries, Incorporated, assignee: *See*—
Wilsdorf, Walter F., Sr.

Transducer Corporation, assignee: *See*—
Johnson, Ernest W.

Transit Freese, Inc., assignee: *See*—
Peckinpaugh, Thomas L.

Transit Research Corporation, assignee: *See*—
Piron, Emil H.
Rossell, William T.

Transmission & Gear Company, The, assignee: *See*—
Gerst, Chris.

Transresearch of California, assignee: *See*—
Pond, William B.

Transue, Elmer, Plattsburg, Mo. Electric water heater for stock tanks. 2,509,460, May 30.

Tranter, Watson W., E. M. Asbridge, and H. C. Hollinger, assignors to A. B. Farquhar Company, York, Pa. Baler. 2,513,690, July 4.

Trapet, Maurice, Los Angeles, Calif. Portable tool with swivel head. 2,496,027, Jan. 31.

Trapman, Franciscus J. J., Bussum, Netherlands. Door closing device. 2,502,605, Apr. 4.

Trapnell, Buel L., Pulaski, Ga. Educational device. 2,494,497, Jan. 10.

Trask, Allen, Chicago, Ill. Compressor suction valve. 2,506,751, May 9.

Trask, Allen, Chicago, Ill. Compressor. 2,509,376, May 30.

Trask, Allen, Chicago, Ill. Compressor. 2,509,377, May 30.

Traska, William, Stamford, assignor to Electrolux Corporation, Old Greenwich, Conn. Receptacle. 2,499,799, Mar. 7.

Tratsch, Walter A., Chicago, Ill. Coin-operated weighing machine. 2,500,102, Mar. 7.

Tratsch, Walter A., Chicago, Ill. Pneumatic pistol. 2,526,592, Oct. 17.

Tratzik, Frederick: *See*—
Bowan, Walter J., and Tratzik.

Trau, Isidor K., assignor to Cavalier Cravat Company, Louisville, Ky. Necktie and construction. 2,499,286, Feb. 28.

Traub, Ellis, Worcester, Mass. Renewable dart target. 2,506,475, May 2.

Traube, Abraham, Brooklyn, N. Y. Stop mechanism for rotary containers. 2,527,041, Oct. 24.

Trauger, Guy A., Livermore, Iowa. Machine for breaking up surface material. 2,520,229, Aug. 29.

Traugott, John E., and B. B. De Libero, New York, N. Y. Radio receiver employing plug-in components. 2,526,834, Oct. 24.

Traum, David, Company, Incorporated, assignee: *See*—
Booth, Herbert G.

Traupel, Walter, assignor to Sulzer Frères Société Anonymé, Winterthur, Switzerland. Gas turbine plant. 2,493,509, Jan. 3.

Traupel, Walter, assignor to Sulzer Frères, Société Anonyme, Winterthur, Switzerland. Apparatus for operating gas turbine plants. 2,494,320, Jan. 10.

Traupel, Walter, assignor to Sulzer Freres, Societe Anonyme, Winterthur, Switzerland. Gas turbine plant. 2,513,601, July 4.

Trausneck, Herbert R.: *See*—
Wallen, George R., and Trausneck.

Trautman, Charles E., Cheswick, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Oil compositions containing amine salts of boro-diol complexes. 2,497,521, Feb. 14.

Trautman, Charles E., Cheswick, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Nonfoaming hydrocarbon oil compositions. 2,515,024, July 11.

Trautman, Raymond B., Minneapolis, Minn. Artificial hand. 2,494,460, Jan. 10.

Trautman, Walter C., Los Angeles, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind. Relief valve. 2,504,470, Apr. 18.

Trautman, Walter C., Los Angeles, Calif. Pressure control switch. 2,507,065, May 9.

Trautman, Walter C., Los Angeles, Calif. Pressure controlled switch. 2,507,066, May 9.

Trautman, Walter C., Los Angeles, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind. Airplane control system. 2,532,469, Dec. 5.

Trautner, Wagn, Syracuse, N. Y. Adjustable bracket. 2,512,397, June 20.

Trautvetter, George: *See*—
Ledwinka, Joseph, and Trautvetter.

Traver, Harry G., Cranford, N. J. Rotary land tilling apparatus. 2,501,364, Mar. 21.

Traver, Harry G., Cranford, N. J. Plow and pulverizer. 2,524,943, Oct. 10.

Traver, Harry G., Cranford, N. J. Helicopter having adjustable rotors and stabilizing fins. 2,532,683, Dec. 5.

Traversac, René M., assignor to "Parmoy," Paris, France. Automatic camera with cutoff means. 2,534,837, Dec. 19.

Travilla, James C., Jr., Swarthmore, Pa., assignor to General Steel Castings Corporation, Granite City, Ill. Railway truck structure. 2,496,829, Feb. 7.

Travilla, James C., Jr., Swarthmore, Pa., assignor to General Steel Castings Corporation, Granite City, Ill. Railway pilot structure. 2,519,944, Aug. 22.

Travilla, James C., Jr., University City, Mo., assignor to General Steel Castings Corporation, Granite City, Ill. Railway truck with lateral motion bolster. 2,496,644, Feb. 7.

Travilla, James C., Jr., University City, Mo., assignor to General Steel Castings Corporation, Granite City, Ill. Railway truck bolster suspension. 2,510,353, June 6.

Travilla, James C., Jr., University City, Mo., assignor to General Steel Castings Corporation, Granite City, Ill. Railway truck. 2,533,639, Dec. 12.

Travis, Bartlett H., Garden City, N. Y. Gas burner safety device. 2,503,927, Apr. 11.

Travis, Don C., Kenosha, Wis., assignor, by mesne assignments, to Abbey Rents, Los Angeles, Calif. Collapsible wheel chair. 2,522,729, Sept. 19.

Travis, Paul H., Leonard, and H. M. Davidson, Detroit, Mich., said Davidson assignor to said Travis. Door check structure. 2,507,389, May 9.
Travis, Pierce M., Ridgewood, N. J., assignor of one-fourth to J. D. Silverman and one-fourth to M. Hirsch, New York, N. Y. Stabilized dispersions and shaped articles made therefrom. 2,517,737, Aug. 8.
Travis, Reginald S., Olympia, Wash. Ball-and-socket type oarlock. 2,518,648, Aug. 15.
Traweek, Mary D., assignee: *See*— Darby, Jabez B.
Traxler, Eugene R., Stowe, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Multiple belt mule drive. 2,522,148, Sept. 12.
Tray-Hart, Inc., assignee: *See*— Reinhart, Howard A., and Selvey.
Trayer Products, Incorporated, assignee: *See*— Townsend, Harold E.
Traylor, Samuel W., Jr., Allentown, Pa. Gyratory crusher having a floating ring. 2,498,774, Feb. 28.
Traylor, Samuel W., Jr., Allentown, Pa. Gyratory crusher with power head adjustment. 2,510,437, June 6.
Treacy, Cyril S., Scarsdale, assignor to Mamaroneck Chemical Corporation, Mamaroneck, N. Y. Producing a modified candelilla wax. 2,521,553, Sept. 5.
Treadwell Construction Company, assignee: *See*— Davis, Harry A., and Ruhl.
Treadwell Engineering Company, assignee: *See*— Seastrom, Erik G.
Treadwell, Harry A.: *See*— Fletcher, James H., Treadwell, and Wallace.
Tree, Charles, Racine, Wis. Taper boring head. 2,517,738, Aug. 8.
Tree, George, Gary, Ind., assignor to Carnegie-Illinois Steel Corporation. Pendulum-type bumper for arresting metal masses descending gravity skids onto a conveyer. 2,515,675, July 18.
Trees, Leonard E., Ceylon, Minn., assignor to B. A. Reemtsma, Garner, Iowa. Adjustable clothesline tightener. 2,525,382, Oct. 10.
Treesdale Laboratories, Inc., assignee: *See*— McCarthy, James F.
Trefil, James: *See*— Petrie, Eugene C., and Trefil.
Trefil, James, Berwyn, assignor to Crane Co., Chicago, Ill. Diaphragm valve. 2,504,057, Apr. 11.
Trefz, Otto, Philadelphia, Pa. Bevel protractor. 2,498,867, Feb. 28.
Tregear, Tamino W., Seattle, Wash. 2,506,119, May 2.
Treglown, George, and C. E. Broders, assignors, by mesne assignments, to Govro-Nelson Company, Detroit, Mich. Automatic feed head. 2,532,207, Nov. 28.
Tregoning, William C., Shaker Heights, assignor to The Clark Controller Company, Cleveland, Ohio. Circuit selector switch. 2,498,614, Feb. 21.
Treichler, Herbert E.: *See*— Zemanek, Arnold F., Swem, Treichler, Williams, and Kelly.
Zemanek, Arnold F., and Treichler.
Trelease, Richard D., and C. H. Koonz, assignors to Swift & Company, Chicago, Ill. Feeding device. 2,494,147, Jan. 10.
Treloar, Lester D., Fort Dodge, Iowa. Oven. 2,520,578, Aug. 29.
Treloar, Stanford L., and J. G. Innes, Toronto, Ontario, Canada. Comb. 2,535,612, Dec. 26.
Tremblay, Bernard G.: *See*— Lindstrom, Ture, and Tremblay.
Tremblay, Bernard G., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Composite metal electric contact member. 2,504,906, Apr. 18.
Tremolada, Guglielmo R., assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif. Wash pipe for rotary swivels. 2,496,569, Feb. 7.
Tremolada, Guglielmo R., assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif. Swivel suspension means. 2,506,655, May 9.
Trempel, Larry G., Decatur, Ill., and M. E. Frink, Tacoma, Wash., assignors to A. E. Staley Manufacturing Co., Decatur, Ill. Preparation of cakes with liquid oil. 2,532,523, Dec. 5.
Trenholm, Kenneth S., assignor of 5 per cent to L. L. Claydon, San Diego, Calif. Shielded service signal for counters. 2,496,073, Jan. 31.
Trent, Florence Y., Beaver, Pa. Shoulder protector for shoulder straps. 2,501,749, Mar. 28.
Trenton Chemical Company, assignee: *See*— Kilander, Acton K., and Edsall.
Trepagnier, Joseph H.: *See*— Sturgis, Bernard M., and Trepagnier.
Trepagnier, Joseph H., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Azo dyes formed from p-nitroanilines and 2-hydroxy-7-benzo-(c) carbazoles and their formation on the fiber. 2,499,800, Mar. 7.
Tresise, Raleigh E., Cleveland Heights, and P. D. Kendall, Maple Heights, assignors to Paravox, Inc., Cleveland, Ohio. Hearing aid chassis and assembly. 2,496,683, Feb. 7.
Tresise, Raleigh E., Cleveland Heights, and P. D. Kendall, Maple Heights, assignors to Paravox, Inc., Cleveland, Ohio. Molded chassis for hearing aid apparatus. 2,500,301, Mar. 14.
Tressler, Donald K., assignee: *See*— Milleville, Howard P.
Trevaskis, Henry, Birmingham, assignor to Dunlop Rubber Company Limited, London County, England. Brake for aircraft wheels having retractable supports. 2,502,110, Mar. 28.
Trevaskis, Henry W., Solihull, Birmingham, assignor to Dunlop Rubber Company Limited, London County, England. Fluid operated brake system. 2,494,461, Jan. 10.
Trevaskis, Henry W., Solihull, assignor to Dunlop Rubber Company Limited, London, England. Control device for power-operated members. 2,511,384, June 13.
Trevaskis, Henry W., Solihull, assignor to Dunlop Rubber Company Limited, County of London, England. Master cylinder. 2,525,740, Oct. 10.
Trevisan, Bruno, assignor to Papierfabrik Balsthal A. G., Balsthal, Swizerland. Paper machine. 2,535,970, Dec. 26.
Trevor, Bertram: *See*— Peterson, Harold O., and Trevor.
Trevor, Bertram, Riverhead, N. Y., assignor to Radio Corporation of America. Diversity receiver system. 2,505,074, Apr. 25.
Trevor, Bertram, and K. G. MacLean, Riverhead, N. Y., assignors to Radio Corporation of America. Transmitter monitor. 2,510,531, June 6.
Trewin, Charles S., North Plainfield, N. J., and R. A. Gerhard, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y. Casting metal. 2,509,079, May 23.
Triangle Package Machinery Compnay, assignee: *See*— Muskat, Louis R.
Trible, Winthrop: *See*— Buckles, John Q., Lensky, and Trible.
Tribble, Talmadge B., Evanston, assignor to Flavor Corporation of America, Chicago, Ill. Emulsoids. 2,508,978, May 23.
Trickey, Elwood B.: *See*— Manske, Richard H. F., Trickey, and Myers.
Tri-Clover Machine Co., assignee: *See*— Ebert, Walter.
Hinrichs, Ferdinand.
Moses, John H., and Kessler.
Trico Products Corporation, assignee: *See*— Hess, Willis C.
Horton, Erwin C.
Horton, Erwin C., and Rappl.
Oishei, John R.
Oishei, John R., Horton, and Scinta.
Oishei, John R., and Rappel.
Rappl, Anton.
Schaal, Earl V.
Triggs, Melvin V., Alhambra, Calif. Polishing machine. 2,532,581, Dec. 5.
Trilich, Bertram L., Winnetka, assignor to The Munising Paper Company, Chicago, Ill. Self-sealing wrapping material. 2,529,060, Nov. 7.
Trimbach, Clem G., Eggertsville, N. Y., assignor to the United States of America as represented by the Secretary of the Air Force. Tow target carrier. 2,523,738, Sept. 26.
Trimbach, Clem G., Eggertsville, and J. C. Parkin, Buffalo, N. Y., assignors to Curtiss-Wright Corporation. Apparatus for alignment of guns and gun sights. 2,516,435, July 25.
Trimble, Charles H., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for adjusting spring tensions. 2,526,915, Oct. 24.
Trimble, Elmer R., assignor to Armstrong Cork Company, Lancaster, Pa. Adhesive compositions. 2,514,427, July 11.
Trimble, George S., Jr., Towson, assignor to The Glenn L. Martin Company, Middle River, Md. Upper hinged aileron. 2,507,741, May 16.
Trimble, Joe T., Tulsa, Okla. Film drier. 2,495,612, Jan. 24.
Trimble, Joseph M.: *See*— Kottkamp, Norman C., Bailey, Trimble, and Langsenkamp.
Trimble Nurseryland Furniture, Inc., assignee: *See*— Baxter, William C.
De Puy, Charles T.
De Puy, Charles T., and Baxter.
Trimble, Robert A.: *See*— Archibald, Raymond C., and Trimble.
Trimble, Roy L., assignor to Eureka Williams Corporation, Bloomington, Ill. Soleplate for irons and making the same. 2,524,944, Oct. 10.
Trimm, Ernest L., and N. Arnow, Norfolk, Va. Portable spraying apparatus for molten materials. 2,530,186, Nov. 14.
Trinder, John H., Washington, D. C. Tampon for control of intractable nasal hemorrhages. 2,493,326, Jan. 3.
Trindle, William H., Salem, Oreg. Wheel balancing machine. 2,524,407, Oct. 3.
Trine Manufacturing Corporation, assignee: *See*— Kalwo, Ludwig J.
Tringali, Matthew L.: *See*— Davis, Herbert L., and Tringali.
Trinity Manufacturing Company, assignee: *See*— Miller, Milton C., Jr., and Lovick.
Triolo, Thomas: *See*— Seagaard, John, and Triolo.

Triplett Electrical Instrument Co., The, assignee: *See*—
De Lamater, Paul.
Klay, George H.
Triplett, William R.

Triplett, William R., assignor to The Triplett Electrical Instrument Co., Bluffton, Ohio. Electrical instrument construction. 2,506,003, May 2.

Tripp, Chester D., Chicago, Ill., assignor to Grip Nut Company, South Whitley, Ind. Thread gripping lock nut. 2,519,417, Aug. 22.

Tripp, George E.: *See*—
Thor, Clifford J. B., Tauber, and Tripp.

Tripp, Roswell C., assignee: *See*—
Shively, John J.

Trissler, Charles S., Elkins, assignor of fifty per cent to E. Phillips, Parsons, W. Va. Tractor blade fork. 2,500,887, Mar. 14.

Trist, Arthur R., Woking, England. Changing the physical state of a substance. 2,512,471, June 20.

Trist, Edward R., Washington, D. C. Electric heater. 2,495,788, Jan. 31.

Tri-State Engineering Company, assignee: *See*—
Coit, Burton C., Jr.

Tri-State Plastic Molding Co., assignee: *See*—
Yates, Cy J.

Tritsmans, Remi G., and S. P. Hendricx, assignors to Gevaert Photo-Producten N. V., Antwerp-Mortsel, Belgium. Mixed cellulose esters and making same. 2,512,983, June 27.

Tritt, Forest G., Barberton, and D. R. Phillips, Canal Fulton, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Heat-treating hollow articles. 2,515,064, July 11.

Triumph Laboratories Inc., assignee: *See*—
D'Arcy, James M.

Trobeck, Karl G.: *See*—
Heijmer, Gustaf B., Sandå, and Trobeck.

Trocki, Bernard J., Erie, Pa. Grinding fixture. 2,527,778, Oct. 31.

Trocki, Carl A., Detroit, Mich. Adjustable boring tool chuck. 2,507,286, May 9.

Troëng, Ivan, Alvsjo, Sweden. Boat. 2,521,268, Sept. 5.

Trofimov, Lev A., assignee: *See*—
Canfield, Harry R.

Trofimov, Lev A., Willoughby, Ohio. Arc furnace control. 2,518,580, Aug. 15.

Trojan Powder Company, assignee: *See*—
Lyte, George A.
Morgan, Robert W., Trometer, and Sahs.
Williams, David G.
Wyler, Joseph A.

Trojnar, Thaddeus J.: *See*—
Slifkin, Sam C., and Trojnar.

Troller, Theodor H., New Philadelphia, Ohio, assignor, by mesne assignments, to Joy Manufacturing Company. Pitch adjusting mechanism. 2,495,433, Jan. 24.

Troller, Theodor H., New Philadelphia, Ohio, assignor to Joy Manufacturing Company. Variable pitch propeller. 2,495,434, Jan. 24.

Trom, Eugene D., Blooming Prairie, Minn. Device for maintaining reserve supply in liquid supply tanks. 2,532,379, Dec. 5.

Tromp, Theodoor P., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Glass to metal seal for high-frequency electric discharge tubes. 2,520,663, Aug. 29.

Tropper, Moses, Forest Hills, N. Y. Swivel-joint assembly. 2,511,308, June 13.

Trosper, James E., Danville, Ill. Track switch stand. 2,520,289, Aug. 29.

Trossen, Clarence A., assignee: *See*—
Dressel, Merle N.

Trost, Henry W., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Illuminating device. 2,515,844, July 18.

Trostler, William, Cleveland Heights, assignor to Lee Products Company, Cleveland, Ohio. Sudsing device for an aspirating apparatus. 2,514,107, July 4.

Troth, Lawrence E., Chevy Chase, Md. Pickup delivery truck. 2,530,097, Nov. 14.

Trott, Barnet S., assignor to Garod Radio Corporation, Brooklyn, N. Y. Antenna equalizer. 2,498,744, Feb. 28.

Trott, Barnet S., Kew Gardens, assignor to Garod Radio Corporation, Brooklyn, N. Y. Scan magnitude control for cathode-ray tubes. 2,510,670, June 6.

Trott, Frank R.: *See*—
White, Eric L. C., and Trott.

Trotter, Albert L., Wichita, Kans. Removable floor unit for transporting equipment. 2,498,146, Feb. 21.

Trotter, Charles, and Y. Pajari, Sudbury, Ontario, Canada. Time-locking instrument for surveying inclination and direction of boreholes. 2,508,899, May 23.

Trotter, Harry D., Kansas City, Kans., assignor to Phillips Petroleum Company. Regenerating a fixed bed catalyst. 2,505,263, Apr. 25.

Trotter, Harry D., Sweeny, Tex., assignor to Phillips Petroleum Company. Continuously heating hydrocarbon fluids. 2,505,871, May 2.

Troupe, Donald F., assignor to The Vendo Company, Kansas City, Mo. Steam food defroster. 2,500,219, Mar. 14.

Troupe, William B.: *See*—
Hess, Frederic O., Maud, and Troupe.

Trousdale, Robert B., Rochester, N. Y., assignor to Stromberg-Carlson Company. Secondary emission tube ring circuit. 2,512,984, June 27.

Trout, Allan E., Sharp Park, Calif. Baby food formula container. 2,519,986, Aug. 22.

Trout, Norwood S., Jr.: *See*—
Dickey, John W., and Trout.

Troutman, Chester E., Sylvania, Ohio. Mole trap. 2,525,383, Oct. 10.

Troutman, Harvey D.: *See*—
Long, Loren M., and Troutman.

Troutman, Lester L., El Monte, Calif. Truck loader. 2,525,384, Oct. 10.

Trowbridge, Charles A., Newton, assignor, by mesne assignments, to Snyder Mfg. Co., Philadelphia, Pa. Antenna construction. 2,528,400, Oct. 31.

Troxler, Franz: *See*—
Hofmann, Albert, and Troxler.
Stoll, Arthur, Hofmann, and Troxler.

Troy, Leonard S., Clarks Summit, Pa. Electric governor and idle control. 2,499,263, Feb. 28.

Troy, Max, New York, N. Y. Laundry drying and fluffing machine. 2,506,476, May 2.

Troy Sunshade Company, The, assignee: *See*—
Ellis, Johnstone D.
Geremia, Leo F.

Troy, Walter C., Pittsburgh, Pa. Fixture for supporting and traversing drapes and the like. 2,527,860, Oct. 31.

Troyan, James E.: *See*—
Schulze, Walter A., and Troyan.

Troyan, James E., Phillips, Tex., assignor to Phillips Petroleum Company. Emulsion polymerization with a composition comprising diazo thioetherferricyanide-mercaptan-dihydroxy aromatic compound. 2,508,734, May 23.

Troyer, Abner J., Smithville, Ohio. Seed potato cutter. 2,503,976, Apr. 11.

Truax, Harry, assignor to Indiana Farm Bureau Co-Operative Association, Inc., Indianapolis, Ind. Conveyer. 2,509,543, May 30.

Trubenizing Process Corporation, assignee: *See*—
Liebowitz, Benjamin.
Loew, Theodore.
Moses, Adolph.

Trubert, René, Viroflay, France. Thermostatic mixer. 2,517,056, Aug. 1.

Truce, William E., La Fayette, Ind., assignor to Swift & Company, Chicago, Ill. Purifying lactalbumin. 2,494,148, Jan. 10.

Trucksess, David E., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Voltage regulation. 2,493,094, Jan. 3.

True, Martin E., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Automatic drill pipe elevator. 2,507,127, May 9.

True, Oscar D.: *See*—
Conley, Joseph T., and True.

True, Wiley, assignee: *See*—
Baker, William E.

Truell, Rohn, Princeton, N. J., assignor to Radio Corporation of America. Electron discharge device employing cavity resonators. 2,506,752, May 9.

Truelove, Albert E., Westfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Refrigeration apparatus having a damper controlled by a thermostat. 2,500,779, Mar. 14.

Trueman, Paul T.: *See*—
Robinson, Grant R., and Trueman.

Truesdell, Francis W., Lynn, Mass., assignor to General Electric Company. Time switch rider. 2,535,001, Dec. 19.

Truesdale, R. G., Co., Inc., assignee: *See*—
Truesdale, Robert G.

Truesdale, Robert G., assignor to R. G. Truesdale Co., Inc., Rehoboth, Mass. Serum inoculator. 2,512,882, June 27.

Truitt, Joseph A., West Chester, Pa., assignor to American Viscose Corporation, Wilmington, Del. Treatment of filaments. 2,513,381, July 4.

Tru-Mark Mfg., Inc., assignee: *See*—
Diuk, Stanley.

Trumbo, Adam L., Lancaster, Ky. Hemp breaking machine. 2,496,570, Feb. 7.

Trumbull Electric Manufacturing Company, assignee: *See*—
Carlson, Elmer T.
Fleming, William J.
Getchell, Benjamin E.
Goodell, Paul H.
Hammerly, Herman J.
Hammerly, Herman J., and Veitch.
Rowe, Raymond N.
Veitch, Albert M.

Trump, Frederick O., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Front and rear delivery means for dry printing machines. 2,499,840, Mar. 7.

Trump, Frederick O., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Developer vaporizing and distributing means for dry developing machines. 2,503,225, Apr. 4.

Trump, Frederick O., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Sheet material delivery means. 2,533,184, Dec. 5.
Trump, Frederick O., and S. K. Bishop, Binghamton, assignors to General Aniline & Film Corporation, New York, N. Y. Developing means for a dry type developing machine. 2,515,144, July 11.
Trump, John G., Winchester, Mass., assignor to Research Corporation, New York, N. Y. Apparatus for reducing destructive transients in electrostatic belt generators. 2,501,881, Mar. 28.
Trump, John G., Winchester, and R. W. Cloud, Lexington, Mass., assignors to Research Corporation, New York, N. Y. High-voltage high-vacuum acceleration tube. 2,501,882, Mar. 28.
Trump, John G., Winchester, and R. W. Cloud, Lexington, Mass., assignors to Research Corporation, New York, N. Y. Charge transferring means for high-voltage electrostatic apparatus. 2,503,224, Apr. 4.
Trump, John G., Winchester, and R. W. Cloud, Lexington, Mass, assignors to Research Corporation, New York, N. Y. High-voltage evacuated acceleration tube for increasing the total voltage and voltage gradient thereof. 2,521,426, Sept. 5.
Trumpler, Paul R., Ridgewood, assignor to The M. W. Kellogg Company, Jersey City, N. J. Making heat exchangers. 2,500,501, Mar. 14.
Truran, Charles, Detroit, Mich. Pushcart. 2,504,907, Apr. 18.
Truskey, Gerald R.: *See*——
Wiper, Thomas I. and A., and Truskey.
Trussell, Clarence D., Turnwood, N. Y. Mechanical binding. 2,502,493, Apr. 4.
Trustees of Amherst College, The, assignee: *See*—
Scotté, Oscar E.
Trustees of The University of Pennsylvania, The, assignee: *See*—
Ehrenstein, Maximilian R.
Truth Tool Company, assignee: *See*—
Felton, Walter J.
Tryon, Philip F., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Preparation of acyloxymethyl oxazolines. 2,504,951, Apr. 25.
Tryon, Philip F., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Condensation products of diamines and fatty acids. 2,520,102, Aug. 22.
Tryon, Robert M., Compton, Calif., assignor to Radio Corporation of America. Voltage regulator circuit. 2,504,908, Apr. 18.
Tsang, Chi M.: *See*—
Dwyer, Martin, and Tsang.
Tschappat, William F., Pittsburgh, Pa., assignor to The American Metal Company, Limited, New York, N. Y. Purification of brasses and bronzes. 2,516,536, July 25.
Tschirgi, Walter A.: *See*—
Reiman, Walter, Arnold, and Tschirgi.
Tschohl, Harry J., and E. M. Hanson, Mankato, Minn. Traction grip. 2,532,380, Dec. 5.
Tschopp, Louis R., Buffalo, N. Y. Illuminated sign with interchangeable sign elements. 2,532,651, Dec. 5.
Tschumi, Otto, assignor to Autophon Aktiengesellschaft, Soleure, Switzerland. Rectifier arrangement for switching purposes. 2,503,011, Apr. 4.
Tschumi, Otto, assignor to the firm Autophon Aktiengesellschaft, Soleure, Switzerland. Arrangement for call control in two-way systems with selector installation. 2,517,259, Aug. 1.
Tschumi, Otto, assignor to Autophon Aktiengesellschaft, Soleure, Switzerland. Double-acting rectifier arrangement cooperating with at least one alternating current-excited electromagnet, particularly an electromagnetic relay 2,529,118, Nov. 7.
Tschumi, Otto, assignor to Autophon Aktiengesellschaft, Soleure, Switzerland. Synchronizing device for stepping mechanisms. 2,532,582, Dec. 5.
Tschus, Louis, Columbus, Ohio. Fishing reel. 2,493,428, Jan. 3.
Tubbs, Charles L., Los Angeles, Calif. Vapor engine driven by expansion and contraction of vapor. 2,513,692, July 4.
Tubbs, Lester G., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Regulator. 2,504,909, Apr. 18.
Tubbs, Lester G., and G. P. Lessmann, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Remote indicating system. 2,498,317, Feb. 21.
Tubbs, Riley R., Arkansas City, Kans. Closure plug and seal for diverse elongated pipe-cleaning elements. 2,499,801, Mar. 7.
Tube Patents Limited, assignee: *See*—
Lamont, Boyd N. R.
Tube Reducing Corporation, assignee: *See*—
Coe, George B.
Tube Turns, Inc., assignee: *See*—
McLaughlin, Carl B., Ochs, and Redmon.
Tubular Rivet and Stud Company, assignee: *See*—
Doyle, Thomas J.
Tuck, Edward, Takoma Park, Md. Mounting and controlling electric discharge devices. 2,501,485, Mar. 21.
Tuck, Ralph, Oakland, T. E. Hughes, Berkeley, and A. U. Rigby, San Leandro, Calif. Shock and sway resisting overload spring. 2,493,172, Jan. 3.
Tuck, Ralph J., Sparrows Point, Md. Combined drawers and shirttail garter. 2,508,049, May 16.
Tucker, Aubrey C., Howard Beach, N. Y. Work holder. 2,500,967, Mar. 21.
Tucker, Augustine J., Houston, Tex. Marine drilling. 2,512,783, June 27.
Tucker, Charles D., assignor to Drafto Corporation, Cochranton, Pa. Metal disintegrating device. 2,495,038, Jan. 17.
Tucker Corporation, assignee: *See*—
Lyman, Kenneth E.
Tucker, Preston T.
Tucker, Emmitt M., J. M. and E. M. Tucker, Jr., Medford, Oreg., assignors to Tucker & Sons, Grass Valley, Calif. Fixed wing aircraft convertible to a rotary wing aircraft. 2,511,025, June 13.
Tucker, Emmitt M., Jr.: *See*—
Tucker, Emmitt M., J. M., and E. M., Jr.
Tucker, Harry M., Dayton, Ohio. Synchronous motor demonstrator. 2,515,278, July 18.
Tucker, Henry D.: *See*—
Plauka, John W., and Tucker.
Tucker, Jacob S., Cleveland, Ohio. Reconditioning and converting containers. 2,523,639, Sept. 26.
Tucker, Jesse D., Huntington Park, Calif. Wheel motor unit. 2,514,460, July 11.
Tucker, Joseph M.: *See*—
Tucker, Emmitt M., J. M., and E. M., Jr.
Tucker, Mana L., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Water swivel for diamond drills. 2,496,830, Feb. 7.
Tucker, Nathaniel B., Glendale, assignor to The Procter & Gamble Company, Cincinnati, Ohio. Detergent composition. 2,527,078, Oct. 24.
Tucker, Preston T., Ypsilanti, Mich., assignor to Tucker Corporation, Chicago, Ill. Independent wheel suspension. 2,501,796, Mar. 28.
Tucker, Preston T., Ypsilanti, Mich., assignor to Tucker Corporation, Chicago, Ill. Fluid pressure operated disk brake. 2,535,763, Dec. 26.
Tucker & Sons, assignee: *See*—
Tucker, Emmitt M., J. M., and E. M., Jr.
Tucker, Thomas E., Minneapolis, Minn. Live bait container. 2,518,581, Aug. 15.
Tucker, Thomas T., assignor to Belle Weather Incorporated, Atlanta, Ga. Testing apparatus with sound absorbing panels forming air passages. 2,519,160, Aug. 15.
Tucker, Thomas T., Atlanta, Ga. Acoustic testing structure including sound absorbing panels. 2,519,161, Aug. 15.
Tucker, Thomas T., Atlanta, Ga. Acoustic testing structure including sound absorbing panels. 2,519,162, Aug. 15.
Tucker, Warren R.: *See*—
Brehm, Robert W., and Tucker.
Tucker, Warren R., Dayton, Ohio, assignor to H-P-M Development Corporation, Wilmington, Del. Hydraulic pump and system. 2,504,606, Apr. 18.
Tucker, Warren R., Dayton, Ohio, assignor to H-P-M Development Corporation, Wilmington, Del. Hydraulic motor control. 2,526,835, Oct. 24.
Tucker, William M., Rochester, and R. L. Flint, Point Pleasant, assignors to Eastman Kodak Company, Rochester, N. Y. Silver strike electrolyte and plating. 2,525,567, Oct. 10.
Tuckerman, Bryant: *See*—
McNish, Alvin G., and Tuckerman.
Tudor, Harold T., assignee: *See*—
Campbell, Colin J.
Tuel, Lewis F., Bakersfield, Calif. Sand line spooler. 2,495,039, Jan. 17.
Tuerck, Karl H. W.: *See*—
Elce, Alec, Stanley, and Tuerck.
Graven, Ernest C., Harbard, and Tuerck.
Hall, Reginald H., and Tuerck.
Tuerff, Frank A., South Orange, assignor to Vulcan Safety Razor Corporation, Maplewood, N. J. Magazine or container for holding and dispensing razor blades. 2,520,481, Aug. 29.
Tuft, Miles H., Lancaster, Calif., assignor to Deere Manufacturing Co. Gatherer for corn harvesters. 2,518,732, Aug. 15.
Tuft, Miles H., Ottumwa, Iowa, assignor, by mesne assignments, to Deere Manufacturing Co. Crop gathering means for harvesters. 2,507,742, May 16.
Tuft, Miles H., San Gabriel, Calif., assignor, by mesne assignments, to Deere Manufacturing Co. Agricultural implement. 2,499,615, Mar. 7.
Tuft, Miles H., San Gabriel, Calif., assignor to Deere Manufacturing Co. Wire tying mechanism. 2,512,754, June 27.
Tuggle, Dewey R., Birmingham, Ala. Core retainer for centrifugal molds. 2,523,603, Sept. 26.
Tulagin, Vsevolod, Phillipsburg, N. J., and R. F. Coles, Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y. Magenta phenazonium dyestuff images from 6-substituted-8-hydroxyquinoline couplers. 2,524,741, Oct. 3.
Tulagin, Vsevolod, Phillipsburg, N. J., and W. A. Schmidt, Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y. Production of phenazonium dyestuff images. 2,525,502, Oct. 10.

Tulagin, Vsevolod, Phillipsburg, N. J., and W. A. Schmidt, Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y. Production of phenazonium dyestuff images. 2,525,503, Oct. 10.

Tull, Alan G., Purley, England, assignor to Technicolor Motion Picture Corporation, Los Angeles, Calif. Elimination of preservative sulfite from photographic developers prior to use in color development. 2,506,622, May 9.

Tull, Robert H., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Beverage cooling apparatus having a quick cooling reservoir. 2,495,878, Jan. 31.

Tull, Robert H., Springfield, Mass., assignor, by mesne assignments, to Westinghouse Electric Corporation, East Pittsburgh, Pa. Shell and tube heat exchanger having zig-zag tubes. 2,519,084, Aug. 15.

Tull, Russell F., Malahat, British Columbia, Canada. Cement mixer. 2,508,697, May 23.

Tull, William J., Cambridge, Mass., and W. Proctor, Long Beach, Calif., assignors, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Automatic range tracking and memory circuit. 2,516,356, July 25.

Tullar, Benjamin F., Grosse Pointe Woods, assignor to Parke, Davis & Company, Detroit, Mich. Preparing arsenic compounds. 2,516,276, July 25.

Tullgren, Lester C., Minneapolis, Minn., and J. S. Bonkiewicz, Jr., Lodgepole, Nebr. Overshoe with down folding upper. 2,499,701, Mar. 7.

Tullgren, Lester C., Minneapolis, Minn., and J. S. Bonkiewicz, Jr., Lodgepole, Nebr. Tumble men toy. 2,503,142, Apr. 4.

Tullgren, Lester C., Minneapolis, Minn., and J. S. Bonkiewicz, Jr., Lodgepole, Nebr. Electric iron and iron elevating means. 2,511,309, June 13.

Tullock, Charles W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymeric materials. 2,516,162, July 25.

Tullock, Charles W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymeric materials. 2,517,610, Aug. 8.

Tully, Edward E., Bebington, and R. G. Norris, Huyton, near Liverpool, assignors to Hotentot Industries Limited, Liverpool, England. Liquid heating apparatus. 2,513,435, July 4.

Tumminelli, Joseph, Newark, N. J. Device for dressing razor straps and the like. 2,495,911, Jan. 31.

Tungett, George, T. R. Helms, and O. Morris, assignors to Helms Industrial Development Company, Grand Rapids, Mich. Towing device. 2,494,526, Jan. 10.

Tung-Sol Lamp Works Inc., assignee: *See*—
Atkins, Carl E.
Miner, Robert S., Jr., and Klekamp, Jr.
Sitzer, Philip.
Wittek, Leslie.

Tunley, Allan A., assignor to Baker Perkins Limited, Peterborough, England. Apparatus for strickling molds. 2,509,322, May 30.

Tunley, Allan A., assignor to Baker Perkins Limited, Peterborough, England. Rod arrangement for conveyer plaques. 2,520,073, Aug. 22.

Tunstall, Henry C., Lake City, S. C. Climbing toy. 2,518,840, Aug. 15.

Tunstall, Wilfred, Los Angeles, Calif. House planning means. 2,522,149, Sept. 12.

Tuohy, Kevin M., assignor to Solex Laboratories, Inc., Los Angeles, Calif. Contact lens. 2,510,438, June 6.

Tuohy, John F., Olean, N. Y. Coin inserter for cigarette packages. 2,502,186, Mar. 28.

Turak, Anthony, Cleveland, Ohio. Dispensing device. 2,508,308, May 16.

Turbett, George R.: *See*—
Anderson, Nelson E., and Turbett.

Turbo-Mixer Corporation, The, assignee: *See*—
Moul, James E.

Turbyfill, Charles W., Marshall, Tex. Adjustable container. 2,513,693, July 4.

Turchan, John, Akron, Ohio. Hook setter for fishing tackle. 2,526,980, Oct. 24.

Turchan, Manuel, Dearborn, and C. Walker, Detroit, Mich. Combination jackscrew and hydraulic cylinder for machine tools. 2,508,587, May 23.

Turck, Joseph A. V., Wilmette, assignor to Felt & Tarrant Manufacturing Company, Chicago, Ill. Calculating machine. 2,527,467, Oct. 24.

Turck, Joseph A. V., Wilmette, assignor to Felt & Tarrant Manufacturing Company, Chicago, Ill. Calculating machine. 2,531,089, Nov. 21.

Turco, Joseph J., Franklin, Mass. Combination sleeping bag and blanket. 2,504,761, Apr. 18.

Turco Products, Inc., assignee: *See*—
Brown, Keith E., Clark, and Jackson.
Kohl, Arthur L.
Miller, Earvy R.

Turek, James R.: *See*—
Fredrickson, Edward A., and Turek.

Turgeon, Edmond, Thompsonville, Conn.; The Thompsonville Trust Company, Thompsonville, Conn., executor of said Edmond Turgeon, deceased, assignor to P. L. Putriment, Enfield, D. C. Morell, East Windsor, J. J. Mazurek, Enfield, Conn., and E. F. Saletnik, Springfield, Mass. Rotary impact type screw driver. 2,514,732, July 11.

Turgasen, Vernon L., Crete, Ill. Margarine product and forming. 2,526,302, Oct. 17.

Turinsky, Otto: *See*—
Ralston, Anderson W., Turinsky, and Van Akkeren.
Ralston, Anderson W., Turinsky, and Christensen.

Turk, Amos, Brooklyn, N. Y., and P. D. Boone, Washington, D. C. Oxidation of olefinic fatty acids and esters thereof. 2,530,923, Nov. 21.

Turk, Amos, Mount Lebanon, Pa., assignor to the United States of America as represented by the Secretary of the Navy. Purification of cyclopentanone. 2,513,534, July 4.

Turk, Anthony G.: *See*—
Finneburgh, Lewis H., Jr., Friedberg, and Turk.

Turkel, Henry, Detroit, Mich. Biopsy needle. 2,496,111, Jan. 31.

Turkel, Henry, Detroit, Mich. Skin biopsy needle. 2,516,492, July 25.

Turkowski, Walter, Hollywood, Ill. Venetian blind. 2,529,714, Nov. 14.

Turlay, Joseph D.: *See*—
Kissinger, Lewis E., Duncan, Ellison, and Turlay.

Turlay, Joseph D., Montgomery County, Md. Resilient support for the firing control mechanism of a marine mine. 2,493,788, Jan. 10.

Turley, James F., Fort Wayne, Ind. Body positioner for embalmers. 2,502,765, Apr. 4.

Turley, Jerome W., assignor of one-third to E. G. Cucchetti and one-third to S. Bahoosh, East Orange, N. J. Fluid applicator. 2,534,082, Dec. 12.

Turman, Ross J., Medford, Oreg. Frame for modifying lawn mower. 2,532,746, Dec. 5.

Turnbow, Grover D., Oakland, and A. V. Osborne, Mill Valley, Calif., assignors, by mesne assignments, to Chester-Jensen Company, Chester, Pa. Mixing device. 2,513,382, July 4.

Turnbull, David C., Mishawaka, Ind., assignor to American Wheelabrator & Equipment Corporation. Casting screw threads on blast nozzles and the like. 2,508,874, May 23.

Turnbull, Eileen M., assignee: *See*—
Turnbull, Robert B.

Turnbull, Leonard F.: *See*—
Quick, Donald, and Turnbull.

Turnbull, Robert B., Holly, assignor of one-third to E. M. Turnbull and one-third to J. H. Bush, Flint, Mich. Sheet material toy aircraft. 2,529,979, Nov. 14.

Turnbull, William G., Jr., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Support and cord assembly for hand telephones. 2,530,556, Nov. 21.

Turner, Al E., deceased, El Monte, Calif.; A. R. Turner, administratrix. Gas wall heater. 2,506,120, May 2.

Turner, Alfred H., Collingswood, N. J., assignor to Radio Corporation of America. Push-button ultra high frequency tuner. 2,522,973, Sept. 19.

Turner, Annis R., administratrix: *See*—
Turner, Al E.

Turner, Archibald J., assignor to Wilson Athletic Goods Mfg. Co., Inc., Chicago, Ill. Baseball mitt. 2,528,802, Nov. 7.

Turner, Arthur F., Brighton, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Metallic mirror and making same. 2,519,722, Aug. 22.

Turner Brass Works, assignee: *See*—
Vanderbeek, Willard F.

Turner Bros. Inc., assignee: *See*—
Nixon, William O.

Turner, C. Neal, assignor to The Eclipse Lawn Mower Co., Prophetstown, Ill. Shock absorbing handle for power mowers. 2,535,466, Dec. 26.

Turner, Charles H., Webster, Mass., assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Window mounting. 2,532,130, Nov. 28.

Turner, Charles R., Enfield, assignor to Proctor Electric Company, Philadelphia, Pa. Cooking device. 2,528,191, Oct. 31.

Turner, Claude A., Dallas, Tex. Saddle stool. 2,508,932, May 23.

Turner, Delber W., Houston, Tex., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Electrical apparatus for treating emulsions. 2,527,690, Oct. 31.

Turner, Edgar P., Fanwood, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Airplane automatic pilot. 2,513,120, June 27.

Turner, Edgar P., Fanwood, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Dust-bag connector for vacuum cleaners. 2,523,739, Sept. 26.

Turner, Edgar P., Fanwood, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Casing members of vacuum cleaners and latches therefor. 2,532,432, Dec. 5.

Turner, Edgar P., Fanwood, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Carbon pile rheostat. 2,536,012, Dec. 26.

Turner, Edgar P., Fanwood, and R. Happe, Pittstown, assignors to The Singer Manufacturing Company, Elizabeth, N. J. Switch locking means for portable electric tools. 2,503,226, Apr. 4.

Turner, Edgar P., Fanwood, and F. N. Strader, Neshanic, assignors to The Singer Manufacturing Company, Elizabeth, N. J. Rotor bearing lubrication structure. 2,504,094, Apr. 11.

Turner, Edgar P., Fanwood, R. Happe, Pittstown, and R. D. Ingalls, New Providence, assignors to The Singer Manufacturing Company, Elizabeth, N. J. Electric motor with clutch-brake device. 2,510,917, June 6.
Turner, Edgar P., Fanwood, and F. A. Hayes, Middletown, assignors to The Singer Manufacturing Company, Elizabeth, N. J. Lubricating means for electric motor-clutch drives. 2,531,175, Nov. 21.
Turner, Edwin E., Jr., West Roxbury, Mass., assignor to Raytheon Manufacturing Company. Distance measuring system. 2,496,900, Feb. 7.
Turner, Edwin E., Jr., West Roxbury, assignor to Tobe Deutschmann, Canton, Mass. Fluorescent ballast. 2,515,676, July 18.
Turner, Frank G., assignor of nine-twentieths to J. D. Bilbao, and two-twentieths to H. Povey, Twin Falls, Idaho. Double-acting drill bit. 2,519,861, Aug. 22.
Turner, Frederick W.: *See*—
Marcus, Jerome R., and Turner.
Turner, Guilford S., Jr., assignor to Morris B. Brewster Co. Inc., Chicago, Ill. Sand delivery pipe nozzle. 2,528,801, Nov. 7.
Turner, Guy M., Greensboro, N. C. Trussed skid. 2,500,718, Mar. 14.
Turner, Harold S.: *See*—
Goldberg, Alan A., and Turner.
Turner, Harry J., Detroit, Mich. Door guiding means. 2,497,243, Feb. 14.
Turner, Henry J., Birkenfeld, Oreg. Adjustable seat. 2,519,163, Aug. 15.
Turner, James J., Dayton, Ohio. Device to stiffen shirt collars. 2,508,126, May 16.
Turner, James P., Sylvester, Tex. Cattle treating apparatus. 2,499,174, Feb. 28.
Turner, Jesse O., Denison, Tex. Machine for harvesting peanuts. 2,533,537, Dec. 12.
Turner, John, Boston, Mass. Reclining chair. 2,530,924, Nov. 21.
Turner, John L., East St. Louis, Ill., assignor to W. N. Matthews Corporation, St. Louis, Mo. Fuse switch. 2,535,822, Dec. 26.
Turner, John R.: *See*—
Reynolds, Warren S., and Turner.
Turner, John R., Fort Wayne, and L. Sair, Decatur, assignors, by mesne assignments, to Soya Derivatives, Inc., Fort Wayne, Ind. Preparation of marshmallow. 2,520,581, Aug. 29.
Turner, Joseph L., Fair Haven, and H. V. Alessandroni, Rumson, N. J., assignors to National Lead Company, New York, N. Y. Electro-recovery of metals. 2,529,237, Nov. 7.
Turner, Isaac W., Pittsburgh, Pa. Fishing lure. 2,527,468, Oct. 24.
Turner, Leslie B., Cowan, Ind. Folding bed construction. 2,509,544, May 30.
Turner, Lester W., Phoenixville, Pa. Safety rod for folding gates. 2,520,664, Aug. 29.
Turner Manufacturing Company, assignee: *See*—
Beaver, Hartsell W.
Turner, Ralph, and L. Howell, Cornell, Ill. Rotary weed cutter. 2,494,271, Jan. 10.
Turner, Ransom H., Great Neck, N. Y., assignor to Mergenthaler Linotype Company. Ejecting mechanism for slug casting machines. 2,531,311, Nov. 21.
Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Pneumatic thread holder for weft replenishing looms. 2,501,423, Mar. 21.
Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Pneumatic thread holder for weft replenishing looms. 2,505,443, Apr. 25.
Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Thread control for loom thread cutters. 2,509,378, May 30.
Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Tension for loom shuttles. 2,518,961, Aug. 15.
Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Pneumatic thread remover for weft replenishing looms. 2,520,579, Aug. 29.
Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Lock for pneumatic thread removers. 2,520,580, Aug. 29.
Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Letoff mechanism for looms. 2,526,303, Oct. 17.
Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Thread control for weft replenishing looms. 2,531,176, Nov. 21.
Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Thread holder for weft replenishing looms. 2,531,177, Nov. 21.
Turner, Richard J.: *See*—
Crossley, Moses L., Dreisbach, Turner, and Hofmann.
Crossley, Moses L., Turner, and Dreisbach.
Turner, Richard J., Somerville, and H. W. Stewart, Plainfield, N. J., assignors to American Cyanamid Company, New York, N. Y. 1-carbalkoxy-4-substituted piperazines. 2,535,971, Dec. 26.
Turner, Robert W., Port Jefferson, Ohio. Applicator for applying coating material to roofs and similar surfaces. 2,517,057, Aug. 1.
Turner, Roscoe S., New York, N. Y. Solvent or disinfectant dispenser. 2,527,975, Oct. 31.
Turner, Thomas L., Bronx, N. Y. Electric vaporizer. 2,519,515, Aug. 22.
Turner, Vincent: *See*—
Garthwait, Clyde W., and Turner.
Turner, Willard, Elgin, E. C. Elliott, Park Ridge, Ill., and I. Richlin, Alhambra, Calif., assignors, by mesne assignments, to The Borden Company, New York, N. Y. Recovery of estrogens from urine. 2,519,516, Aug. 22.
Turner, Willard H., Los Angeles, Calif., assignor to Radio Corporation of America. Phono-cue system. 2,500,014, Mar. 7.
Turner, William E., assignor to O. B. Andrews Company, Chattanooga, Tenn. Bobbin box. 2,531,090, Nov. 21.
Turner, William E., assignor to L. K. Maulsby, San Antonio, Tex. Nut sheller. 2,506,848, May 9.
Turner, William R., Drexel Hill, and R. G. Heiligmann, Yeadon, assignors to The Atlantic Refining Company, Philadelphia, Pa. Wax composition containing propylene-butadiene polymer. 2,514,979, July 11.
Turnes, Angel N., Bronx, N. Y. Cosmetic carrier and applicator. 2,521,269, Sept. 5.
Turney, Thevor H., Liverpool, England, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Electrical resonator. 2,507,426, May 9.
Turnidge, William O., Weiser, Idaho. Suspended closure for mailboxes. 2,527,601, Oct. 31.
Turnipseed, Iven, Glendale, Calif. Electrically heated lunch box. 2,513,218, June 27.
Turnquist, Alexander N., Glen Ellyn, Ill. Air circulating system. 2,509,022, May 23.
Turnquist, Alexander N., Glen Ellyn, Ill. Fluid-propelled airplane. 2,511,607, June 13.
Turpin, Alexander J., Stewart Manor, assignor to Hauck Manufacturing Company, Brooklyn, N. Y. Vapor discharge plug for liquid fuel burners. 2,511,753, June 13.
Turpin, Alexander J., Stewart Manor, assignor to Hauck Manufacturing Company, Brooklyn, N. Y. Pipe joint. 2,511,754, June 13.
Turpin, Alexander J., Stewart Manor, and M. J. Parker, New York, assignors to Hauck Manufacturing Company, Brooklyn, N. Y. Atomizing burner for fluid fuels. 2,511,755, June 13.
Turpin, Alexander J., Stewart Manor, N. Y., and A. F. Schumann, Lower Merion, Pa. Radiant gas burner having concentric gas and air nozzles. 2,515,158, July 11.
Turpin, William W., East Orange, N. J., assignor to General Electric Company. Self-contained air conditioning unit. 2,529,203, Nov. 7.
Turrall, George, London, England, assignor to R. Hoe & Co. Inc., New York, N. Y. Switch or deflector device for directing the products of printing machines. 2,526,916, Oct. 24.
Turrettini, Fernand, Bellevue-Geneva, assignor to Societe Genevoise d'Instruments de Physique, Geneva, Switzerland. Thread grinding machine. 2,513,694, July 4.
Turrettini, Fernand W., Bellevue-Geneva, assignor to Societe Genevoise d'Instruments de Physique, Geneva, Switzerland. Friction reducing device for machine tools. 2,526,518, Oct. 17.
Tursky, Charles M., Englewood, N. J. Writing instrument. 2,500,439, Mar. 14.
Tusay, John, Highland Park, Mich. Hair curling device. 2,498,830, Feb. 28.
Tustin, Arnold, Sheffield, England, assignor, by mesne assignments, to General Electric Company. Rotating machine. 2,520,582, Aug. 29.
Tuten, James M., Greenville, S. C., assignor to Draper Corporation, Hopedale, Mass. Shuttle position detector mechanism. 2,497,281, Feb. 14.
Tuten, James M., Greenville, S. C., assignor to Draper Corporation, Hopedale, Mass. Loom frame and parts. 2,504,939, Apr. 18.
Tuthill, Roger W., and A. U. Welch, Jr., Holyoke, Mass., assignors to General Electric Company. Fluid cooled welding apparatus. 2,527,235, Oct. 24.
Tutt, Richard, Jr., and J. R. Hubbard, assignors to Peter Cooper Corporations, Gowanda, N. Y. Coating compositions and making the same. 2,513,121, June 27.
Tuttle, Clifton M., Huntington Station, assignor to Eastman Kodak Company, Rochester, N. Y. Method and apparatus for inspecting light-sensitive coatings. 2,521,953, Sept. 12.
Tuttle, Clifton M., Huntington Station, and F. M. Brown, assignors to Eastman Kodak Company, Rochester, N. Y. Apparatus for making color prints. 2,521,954, Sept. 12.
Tuttle, Earl, Fond du Lac, Wis. Fishing rod holder. 2,519,612, Aug. 22.
Tuttle, Eugene F., North Hollywood, Calif. Food machine. 2,507,838, May 16.
Tuttle & Kift, Inc., assignee: *See*—
Tuttle, William R.
Tuttle, Malcolm H., New Rochelle, N. Y. Gas-fired muffle furnace. 2,494,530, Jan. 10.
Tuttle, Malcolm H., New Rochelle, N. Y. Method of and apparatus for cracking tarry materials. 2,495,613, Jan. 24.
Tuttle, William R., Riverside, assignor to Tuttle & Kift, Inc., Chicago, Ill. Circuit interrupter for infinitely variable electric switches. 2,503,082, Apr. 4.
Tuttle, William R., Riverside, assignor to Tuttle & Kift, Inc., Chicago, Ill. Hinged heating unit. 2,506,554, May 2.
Tuttle, William R., Riverside, assignor to Tuttle & Kift, Inc., Chicago, Ill. Electric heater. 2,508,552, May 23.

Tuttle, William R., and W. J. Beldue, assignors to The Kurlash Company, Inc., Rochester, N. Y. Eyelash curler. 2,506,121, May 2.
Tveten, Gunnar, Aker, near Oslo, Norway. Extensible ski stick. 2,512,985, June 27.
Twedell, John A.: *See*—
Armstrong, Norman F., and Twedell.
Tweden, Arnold R., Englewood, Colo. Steering post extension for tractors. 2,512,240, June 20.
Tweed, Henry L., deceased, Winnipeg, Manitoba, Canada; A. E. Johnston, administrator of said H. L. Tweed. Combined cribbage board and cardholder. 2,513,219, June 27.
Tweedale, Ralph L.: *See*—
Harrington, Ferris T., and Tweedale.
Tweedale, Ralph L., Birmingham, assignor to Vickers Incorporated, Detroit, Mich. Power transmission. 2,493,510, Jan. 3.
Tweedale, Ralph L., Birmingham, assignor to Vickers Incorporated, Detroit, Mich. Power transmission valve. 2,495,395, Jan. 24.
Tweedale, Ralph L., Birmingham, assignor to Vickers Incorporated, Detroit, Mich. Compressor. 2,508,309, May 16.
Twele, Karl A. W., Philadelphia, and A. D. Canner, Upper Darby, Pa., assignors to General Electric Company. Electroplating apparatus. 2,519,945, Aug. 22.
Twells, Robert, Fostoria, Ohio. Gauge. 2,495,789, Jan. 31.
Twells, Robert, Fostoria, Ohio. Producing ceramic gauges. 2,525,324, Oct. 10.
Twemlow, Edwin: *See*—
Foden, William, and Twemlow.
Tweney, George H., and R. J. Miller, assignors to Bendix Aviation Corporation, Detroit, Mich. Frame structure for airplanes. 2,500,015, Mar. 7.
Twente, Herbert H., assignee: *See*—
Gearhart, Roy E.
Twentieth Century-Fox Film Corporation, assignee: *See*—
Gordon, James B.
Grignon, Lorin D.
Stack, John D.
Twentieth Century Valve Corporation, Inc., assignee: *See*—
Tomoser, Herbert.
Twin Disc Clutch Company, assignee: *See*—
Black, James B.
Black, James B., and Shurts.
Foster, Maurice.
Foster, Maurice E., and Yokel.
Wolf, Lloyd J.
Twining, Millicent C., Cape May, N. J. Recessed game board and playing pieces therefor. 2,506,184, May 2.
Twist, Edward C., assignor of fifty per cent to A. V. Fish, Tulsa, Okla. Fish plug. 2,534,639, Dec. 19.
Twist, Lee E., Los Angeles, Calif. Self-leveling hydraulic lift system. 2,510,610, June 6.
Twitty, Frank L., Bronxville, N. Y. Comb and brush combination. 2,531,239, Nov. 21.
Tydeman, Clarence W., San Bruno, assignor to General Engineering and Drydock Company, San Francisco, Calif. Portable turning lathe. 2,519,087, Aug. 15.
Tydings, Kenneth S., Long Beach, and J. Shangold, Valley Stream, N. Y. Footwear with slanting sole. 2,518,649, Aug. 15.
Tyler, Charles, Long Beach, Calif. Drawing board and T-square combination. 2,501,296, Mar. 21.
Tyler Fixture Corporation, assignee: *See*—
Shreve, Clifford B.
Tyler, Leslie J., assignor to Dow Corning Corporation, Midland, Mich. Dicarboxyphenylsilanes. 2,517,146, Aug. 1.
Tyler, Merle D., Villa Park, Ill. Indexing device. 2,508,310, May 16.
Tyler, Mortimer G.: *See*—
Brier, Kenneth C., and Tyler.
Tyll, Nick J., San Francisco, Calif. Lathe tool bit container. 2,527,161, Oct. 24.
Tylutki, Mitchell A.: *See*—
Mott, Chester, Chouinard, and Tylutki.
Tymatics, Inc., assignee: *See*—
Cook, Harold M.
Tynan, Andrew G., and J. H. Guyton, Kokomo, Ind., assignors to General Motors Corporation, Detroit, Mich. Electronically controlled tuning means. 2,494,017, Jan. 10.
Tynan, James J., Stratford, Conn. Stethoscope with valved sound passage. 2,513,827, July 4.
Tyran, Leo W., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Silicon-containing polymer preparation. 2,532,583, Dec. 5.
Tyrner, Joseph M., Mendham Township, Morris County, N. J., assignor to Air Reduction Company, Incorporated. Automatically steered tracer. 2,522,851, Sept. 19.
Tyrner, Joseph M., New York, N. Y., assignor to Air Reduction Company, Incorporated. Multiple switch. 2,514,913, July 11.
Tyrner, Joseph M., New York, N. Y. Amplifier generator. 2,528,478, Oct. 31.
Tyrner, Joseph M., New York, N. Y., assignor to Air Reduction Company, Incorporated. Electric arc welding. 2,533,069, Dec. 5.
Tyrner, Joseph M., New York, N. Y., assignor to Air Reduction Company, Incorporated. Electric switch. 2,535,556, Dec. 26.
Tyrner, Joseph M., New York, N. Y., and N. E. Anderson, Scotch Plains, N. J., assignors to Air Reduction Company, Incorporated. Electric arc welding system. 2,517,739, Aug. 8.
Tyrner, Joseph M., New York, N. Y., and N. E. Anderson, Scotch Plains, N. J., assignors to Air Reduction Company, Incorporated. Arc welding method and apparatus. 2,529,715, Nov. 14.
Tyrrell, Warren A., Fairhaven, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave guide with phase compensating paired bends. 2,493,842, Jan. 10.
Tyrrell, William G., Seattle, Wash. Fluid operated material ejector for rotary can filling machines. 2,498,100, Feb. 21.
Tyrseck, Walter J., assignor to Robertson Paper Box Co., Inc., Montville, Conn. Carton. 2,513,902, July 4.
Tyrseck, Walter J., assignor to Robertson Paper Box Company Incorporated, Montville, Conn. Carton. 2,533,070, Dec. 5.
Tyson, Benjamin F., Bayside, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Wave-signal selector system. 2,513,761, July 4.
Tyson-Caffey Corporation, assignee: *See*—
Tyson, James D., Jr.
Tyson, James D., Jr., assignor to Tyson-Caffey Corporation, Carthage, N. C. Article carrier. 2,513,762, July 4.
Tyson, John D.: *See*—
Meng, Frederick H., and Tyson.
Tyson, Levi D., Elkhart, Ind., assignor, by mesne assignments, to Gisholt Machine Company. Hydraulic system for plural motor operation. 2,499,235, Feb. 28.
Uarco Incorporated, assignee: *See*—
Lach, John.
Uber, Jay J., Westfield, Mass. Vacuum cleaner nozzle. 2,517,058, Aug. 1.
Udale, Blair P., Oceanside, Calif. Gas absorber. 2,510,532, June 6.
Udale, Blair P., Detroit, Mich. Apparatus for gas analysis. 2,510,533, June 6.
Udale, Stanley M.: *See*—
Holley, Danforth, and Udale.
Udale, Stanley M., Detroit, Mich., assignor to G. M. and E. Holley. Exhaust driven supercharger for automotive vehicles. 2,508,311, May 16.
Udale, Stanley M., Detroit, Mich., assignor to G. M. and E. Holley. Manifold injection carburetor. 2,508,312, May 16.
Udale, Stanley M., Detroit, Mich., assignor to G. M. Holley and E. Holley. Two-stage gas turbine. 2,511,385, June 13.
Uddeholms Aktiebolag, assignee: *See*—
Tiganik, Leonhard.
Udelman, Jaime, Maracay, Venezuela. Rotary engine or turbine. 2,530,925, Nov. 21.
Udin, Harry: *See*—
Heberlein, Max F. W., and Udin.
Udy, Marvin J., Niagara Falls, N. Y. Chromate production. 2,494,215, Jan. 10.
Udy, Marvin J., Niagara Falls, N. Y. Production of chromate. 2,493,789, Jan. 10.
Udy, Marvin J., Niagara Falls, N. Y., assignor to Guaranty Investment Corporation, Limited, Montreal, Quebec, Canada. Exothermic composition for use in molds for casting molten metal. 2,513,602, July 4.
Udylite Corporation, The, assignee: *See*—
Brown, Henry.
Phillips, William M., Jr.
Uehling, Fritz F., Passaic, N. J. Determining electrical resistance values. 2,508,478, May 23.
Ufer, Paul R., Truman, Minn. Push-type full vision swather. 2,501,424, Mar. 21.
Uhing, Eugene H.: *See*—
McKinney, Leonard L., Uhing, and Cowan.
Uhl, Edward G.: *See*—
Skinner, Leslie A., and Uhl.
Uhlig, Edwin C., Greenwood, R. I., assignor to United States Rubber Company, New York, N. Y. Making liquid filled golf ball cores. 2,524,687, Oct. 3.
Uhlmann, Erich, Ludvika, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Indirect forced commutation of static current converters in two-way connection. 2,526,053, Oct. 17.
Uhlmann, Erich, Ludvika, assignor to Allmana Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Ionic valves with resistance igniter. 2,535,467, Dec. 26.
Uhrenholdt, Emanuel, Clearwater, Nebr. Hog feeder. 2,525,385, Oct. 10.
Uhrenholdt, Emanuel, Clearwater, Nebr. Hog feeder. 2,533,538, Dec. 12.
Ulrich, Raymond M., Roanoke, Ill. Quick disconnect hydraulic coupler. 2,533,640, Dec. 12.
Ukropina, Bozidar J., assignor to United Concrete Pipe Corporation, Baldwin Park, Calif. Casting concrete pipes and the like. 2,526,174, Oct. 17.
Ulasich, Frank M., Spencer, Iowa. Apparatus for whirling and etching photoengraving plates. 2,509,848, May 30.
Uldbjerg, Niels, Hasseris, near Aalborg, Denmark. Pipe cleaner. 2,517,740, Aug. 8.

Ulfves, Carl A., Auburn, assignor to Stevens Walden, Inc., Worcester, Mass. Detachable hammer tip. 2,515,431, July 18.
Ulfves, Carl A., Auburn, Mass. Detachable hammer tip. 2,499,802, Mar. 7.
Uline, William A.: *See*—
Frei, Jakob R., and Uline.
Ulinski, Bronislaus, Chicago, Ill., assignor to The Yale & Towne Manufacturing Company, Stanford, Conn. Motor control apparatus. 2,510,028, May 30.
Ulinski, Bronislaus, Chicago, Ill., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Industrial truck. 2,528,401, Oct. 31.
Ullman, Henry K., Washington, D. C. Striking device. 2,497,244, Feb. 14.
Ullmann, Harry M., Bethlehem, Pa.; R. M. Ullmann, executrix of said H. M. Ullmann, deceased. Reacting blown nondehydrated castor oil with maleic anhydride, products, and compositions thereof. 2,502,606, Apr. 4.
Ullmann, Rachel M., executrix: *See*—
Ullmann, Harry M.
Ullom, Josephus T.: *See*—
Hassold, Victor C., and Ullom.
Ullrich, Adolph E., Milwaukee, Wis. Trouser and skirt hanger. 2,496,238, Jan. 31.
Ullrich, Edward H., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Electrical wave signaling system. 2,520,184, Aug. 29.
Ulm, Reign C.: *See*—
Prager, Frank D., and Ulm.
Ulm, Reign C., assignor to Graver Tank & Mfg. Co., Inc., East Chicago, Ind. Making floating roofs. 2,531,897, Nov. 28.
Ulm, Reign C., assignor to Graver Tank & Mfg. Co., Inc., East Chicago, Ind. Floating roof with flexible deck and central weights. 2,531,898, Nov. 28.
Ulmann, Bernhard, Co., Inc., assignee: *See*—
Samuels, Sydney J.
Ulmer, Henry J., Ramsey, N. J. Implement for handling printing forms. 2,499,841, Mar. 7.
Ulmer, James C., Alta, Calif. Buckle for overall suspender straps. 2,520,583, Aug. 29.
Ulrich, Arthur E., Buffalo, H. F. Hume, and C. J. Arcarese, Cheektowaga, and F. I. Steele, Snyder, N. Y., assignors to Curtiss-Wright Corporation. Aircraft cabin enclosure and mounting means therefor. 2,493,904, Jan. 10.
Ulrich, Emery G., deceased, Toledo, Ohio; V. R. Ulrich, administratrix of said E. G. Ulrich, assignor to V. R. Ulrich. Truck coupling. 2,513,258, June 27.
Ulrich, Frederick: *See*—
Disinger, Claude, and Ulrich.
Ulrich, Frederick, Jersey City, and C. Disinger, South Plainfield, assignors to Conmar Products Corporation, Newark, N. J. Automatic lock slider for slide fasteners. 2,523,740, Sept. 26.
Ulrich, Lester J.: *See*—
Stevenson, Charles P., and Ulrich.
Ulrich, Raymond M., Roanoke, Ill. Shovel loader. 2,501,797, Mar. 28.
Ulrich, Raymond M., Roanoke, Ill. Bucket return for tractor loaders. 2,510,611, June 6.
Ulrich, Vivian R., administratrix, assignee: *See*—
Ulrich, Emery G.
Ulseth, Thomas M., Detroit, Mich., assignor to Chicago Rawhide Manufacturing Company, Chicago, Ill. Seal. 2,509,461, May 30.
Ultra Chemical Works, Inc., assignee: *See*—
Linkletter, Harry, and Van Kirk.
Ultrasonic Corporation, assignee: *See*—
Horsley, Caperton B.
Horsley, Caperton B., and Seavey.
Seavey, Gordon C., and Horsley.
Uman, Leo, New York, N. Y. Ash tray. 2,520,746, Aug. 29.
Umbenhauer, Robert L., Barberton, Ohio. Audio-frequency amplifier. 2,512,398, June 20.
Umhoefer, Robert R.: *See*—
Dawsey, Lynn H., Umhoefer, and Muehlhausser.
Umhoefer, Robert R., Kenmore, assignor to Buffalo Electro-Chemical Company, Inc., Tonowanda, N. Y. Preparation of 2-phenylanthraquinone. 2,499,702, Mar. 7.
Umphrey, Jacob J., Coloma, assignor to Joe F. Reed, Watervliet, Mich. Mechanical radially expanding clutch structure. 2,507,553, May 16.
Uncas Manufacturing Company, assignee: *See*—
Barbieri, Nicholas.
Underhill, Eliot, San Francisco, Calif. Current tow motor. 2,509,323, May 30.
Underwood, Arthur F.: *See*—
Bidwell, Joseph B., and Underwood.
Underwood, Arthur F., Grosse Pointe, and J. M. Stone, Grosse Pointe Park, assignors to General Motors Corporation, Detroit, Mich. Bearing. 2,532,795, Dec. 5.
Underwood, Chauncey S., assignor of one-half to C. Williard, Perry, Mo. Animal holding device. 2,522,471, Sept. 12.
Underwood, Cloyd L., La Mesa, Calif. Apparatus for testing refrigeration controls. 2,526,713, Oct. 24.
Underwood Corporation, assignee: *See*—
Anderson, Walter A.
Gianninoto, Frank.
Hartman, Herman G.
Holton, Jesse A., Sr.
Moore, Walter R.
Schaefer, Bernard E.
Sundstrand, Oscar J.
Swanson, Oscar W.
Von Hacht, William S.
Wise, Elmer L.
Yaeger, Harry C.
Underwood, Harold B.: *See*—
Jones, Donald L., Stark, and Underwood.
Underwood, Harold B., Detroit, Mich., assignor to Ford Motor Company, Dearborn, Mich. Chaplet coating. 2,507,068, May 9.
Underwood, Harold W., and W. Broker, Cincinnati, Ohio. Armrest cover. 2,520,584, Aug. 29.
Underwood, James E., Oakmont, assignor to Aluminum Company of America, Pittsburgh, Pa. Mechanism for removing stacked articles from a chamber. 2,504,236, Apr. 18.
Underwood, James E., Phoenixville, assignor to The West Company, Philadelphia, Pa. Container-sealing machine. 2,507,427, May 9.
Underwood, Leo, Bigelow, Ark. Two-position mobile power saw. 2,497,639, Feb. 14.
Underwood, Shirl: *See*—
Bullman, Louis K., and Underwood.
Undy, Gustav E., Detroit, assignor, by mesne assignments, to Weltronic Company, Southfield Township, Oakland County, Mich. Timing control system. Re. 23,208, Mar. 14.
Undy, Gustav E., assignor to Weltronic Company, Detroit, Mich. Phase control system. 2,523,167, Sept. 19.
Ungar, Gustave A., New Rochelle, assignor to Equi-Flow, Inc., New York, N. Y. Main and auxiliary pumps for impure liquid. 2,500,719, Mar. 14.
Unger, Abraham, South Orange, assignor to Duro-Persian Mfg. Co., Inc., East Newark, N. J. Folded strip. 2,493,559, Jan. 3.
Unger, Dolores J., executrix: *See*—
Unger, Hector F.
Unger, Hector F., Hood River, Oreg.; D. J. Unger, executrix of said H. F. Unger. Turbine sprinkler. 2,505,582, Apr. 25.
Unger, Magnus, Pittsfield, Mass., assignor to General Electric Company. Drying gas in electrical apparatus. 2,505,581, Apr. 25.
Ungerer, Roland B.: *See*—
Du Bois, George B., and Ungerer.
Unifold Mailing Machines, Inc., assignee: *See*—
Bamber, John R.
Union Asbestos & Rubber Company, assignee: *See*—
Kuellmar, Adolph G.
Moorman, Charles L.
O'Connor, Arthur F.
Union Bag and Paper Corporation, assignee: *See*—
Davis, William L.
Prawdzik, Charles J.
Union Carbide and Carbon Corporation: *See*—
Franks, Russell, and Binder.
Union Carbide and Carbon Corporation, assignee: *See*—
Allen, Ivey, Jr., Marshall, and Wightman.
Bagley, Glen D.
Bender, Howard L., Farnham, and Guyer.
Cahodon, Nelson C.
Courtney, Robert P.
Duce, Ralph E.
Dunn, Jesse T.
Feild, Theophilus A., Jr.
Fowler, George W.
Greider, Clarence E.
Groff, Frazier.
Higgins, Sigfried.
Hoaglin, Raymond I., and Hirsh.
Humbarger, Frank F., Pierson, and Schepman.
Jargstorff, George W., and Joslin.
Johnson, Harry V., and Stieber.
Lanham, William M.
Marshall, Walter R.
McKinstry, Earl L., and Roseman.
Morison, Charles W.
Newton, Lawrence W.
Offenbauer, Charles M.
Penn, George R., Jr., and Suter.
Pierson, Ralph C.
Roberts, F. H. and Fife.
Schuh, Charles H.
Shechter, Leon, and Whelan, Jr.
Slyh, John A., Janes, and Doying.
Spessard, Clayton I.
Wilson, Alexander L.
Winter, Lester L.
Wissler, William A.
Young, Frank G.
Union Cold Storage Company Limited, assignee: *See*—
Larkin, Ernest E.
Union des Verreries Mecaniques Belges, S. A., assignee: *See*—
Brichard, Edgard.

Union Fork & Hoe Company, The, assignee: *See*—
Lado, Anthony L.
Riehl, William L.
Union Hardware Company, assignee: *See*—
Jack, Edward M.
Union Ice Company, The, assignee: *See*—
Bobby, Frederick J.
Union Manufacturing Company, assignee: *See*—
Church, Albert E.
Union Metal Manufacturing Company, The, assignee: *See*—
Anderson, Wilbur C., and Riemenschneider.
Union Oil Company, assignee: *See*—
Fleck, Raymond N., and Nahin.
Union Oil Company of California, assignee: *See*—
Albaugh, Frederick W.
Battles, Willis R., and Wade.
Berg, Clyde H. O.
Berg, Clyde H. O., and Jones.
Deery, Roland F.
Doumani, Thomas F.
Doumani, Thomas F., and Cuneo.
Farkas, Adalbert.
Farkas, Adalbert, and Smith.
Fischer, Paul W., and Rogers.
Kimble, Dwight M.
Lake, George R., and Stribley.
Linford, Hooper.
Martes, Richard W.
Mattson, Raymond W.
McKinnis, Art C.
Moore, Charles C., and Fischer.
Nahin, Paul G., and Huffman.
Parker, Robert L., Jr.
Parker, Robert L., Jr., and Huffman.
Polly, Orville L.
Reed, Homer C., and Holt.
Skinner, Davis A., and Doumani.
Vold, Marjorie J.
Vold, Marjorie J., and Mertes.
Wilson, Chester E.
Zinszer, Richard H.
Union Plate and Wire Co., assignee: *See*—
Apps, William H.
Union Special Machine Company, assignee: *See*—
Christensen, Norman V., and Rubel.
Christensen, Norman V., and Sauer.
Claussner, Robert E.
Hayes, Robert A., and Rykert.
Le Vesconte, Harold J., and Schweda.
Le Vesconte, Harold J., Schweda, and Smith.
Peterson, Albert C.
Rubel, Charles F.
Sauer, George.
Sauer, George, and Smith.
Schoij, Edgar.
Smith, Clarence C.
Union Starch & Refining Company, assignee: *See*—
Cleland, James E., and Longenecker.
Union Steel Products Company, assignee: *See*—
Emigholz, Lawrence F., and Averill.
Union Switch and Signal Company, assignee: *See*—
Fisher, Arthur W., and Wells.
Union Switch & Signal Company, The, assignee: *See*—
Allen, Earl M.
Ashworth, Harry E.
Baughman, George W.
Bone, Herbert L.
Bone, Herbert L., Temple, and Logan.
Bossart, Paul N.
Bossart, Paul N., and Marlowe.
Brannen, Paul M.
Breisch, Edgar W.
Breisch, Edgar W., and Doriot.
Breisch, Edgar W., Reed, and Golladay.
Cadman, Ira F.
Claus, William H.
Doriot, Kenneth E.
Doucette, Adrian R.
Failor, Charles W.
Gilson, Robert M.
Golladay, Lawrence R.
Gracey, William R., Jr.
Grondahl, Lars O., and Bossart.
Grosjean, Wilbur V.
Hays, Thomas W.
Hedding, Linnie K.
Hedding, Linnie K., and Zierdt.
Jackel, Arthur P., and Nicholson.
Jerome, Arthur L.
Laurenson, Robert M.
Logan, John W., Jr., and Jefferson.
Marlowe, Elbert W.
Martin, Paul N.
Maxwell, Thomas.
McGowan, Kenneth J. J.
McWhirter, William C.
Myers, John R.
Nicholson, Frank H.
O'Hagan, Bernard E., and Martin.
Pascoe, Frank T.
Pascoe, Frank T., and Jerome.
Shearer, Robert E.
Shields, Charles B.
Union Switch & Signal Company, The, assignee: *See*—Continued.
Sorensen, Andrew J.
Staples, Crawford E.
Talbert, Henry A.
Thompson, Howard A.
Van Tassel, Harry C., and Brannen.
Volz, Carl.
Walker, Alec H. B.
Wallace, Herbert A.
Wells, Wesley B.
Werner, John E., and Bechtol.
Werner, John E., Bechtol and Breisch.
Union Totalisator Company Limited, The, assignee: *See*—
Handley, John.
Unipress Company, Incorporated, The, assignee: *See*—
Maxwell, Ira C.
Maxwell, Ira C., and Langen.
Unit Crane & Shovel Corp., assignee: *See*—
Rueter, Earle F.
Swanson, Hilbert E.
United Aircraft Corporation, assignee: *See*—
Anderson, John E.
Austin, Chester R., and Rogers.
Baker, John G.
Beardsley, Guy E., Jr.
Bodger, Walter K.
Brewster, James H., III.
Buck, Richard S.
Campbell, Paul J.
Carlson, Russell M.
Carter, Richard H.
Clark, John R., and McFarland.
Clark, John R., and Mina.
Clark, John R., and Pickett.
Coar, Richard J.
Coursen, John W., and Schweitzer.
Cronstedt, Val, and King.
Cronstedt, Val, Sprenkle, and Kalitinsky.
Dissel, Theodore A., and Newell.
Fox, Samuel S.
Fransson, Karl E.
Gluhareff, Michael E.
Greenwood, Ernest J.
Heffernan, Robert C.
Heffernan, Robert C., and Dickerman.
Heintze, Carl P.
Highberg, Axel L., Newcomb, and Soderberg.
Hoffmann, Anton R., and Crump.
Hooker, Ralph J.
Howes, Benjamin T.
Hunt, William E.
Jensen, Harry T., and Hiller.
Jordan, Donald J.
Kalitinsky, Andrew.
Kalitinsky, Andrew, and Soderberg.
Labensky, Boris P.
Lampton, Glen T.
Lee, John G.
Martin, Erle.
Martin, Erle, and Beebe, Jr.
Martin, Erle, and Rhines.
McFarland, Donald L.
Meitzler, Donald E.
Meloy, George E.
Moeller, Constand A.
Moffatt, Elbert M.
Newcomb, Philip P.
Newman, Arnold C., and Woodward.
Park, Richard B.
Pierce, Wayne M., Jr.
Richmond, Nelson R.
Roth, Morris E.
Sabbia, Jerome R.
Schultz, Carl.
Schweitzer, Edwin J., and Jordan.
Shoemaker, James M.
Sikorsky, Igor I.
Sikorsky, Igor I., Hunt, and Katzenberger.
Smith, Charles B.
Soderberg, Carl R.
Strickland, Henry R.
Wallace, Rudolf N.
Ward, Leslie A.
Weinfurt, William J.
Williams, George L.
United Aircraft Products, Inc., assignee: *See*—
Booth, Harry T.
Warrick, Edward C., and Cruzan.
Wolcott, Glenn W.
United Air Lines, Inc., assignee: *See*—
Buckthal, Elmer P.
Lebert, Herbert A.
Mentzer, William C., and Anderson.
United American Soda Fountain Corporation, assignee: *See*—
Hood, Roger W.
United Board & Carton Corporation, assignee: *See*—
Allen, William H.
Cochrane, Louis W.
United Broadcasting Company, assignee: *See*—
Smith, Carl E.

United Buff Products Corporation, assignee: *See*—
Mollica, Frank.
United Carbon Company, Inc. (Maryland), assignee: *See*—
Skoog, Robert W., and W. F. Seeger.
United-Carr Fastener Corporation: *See*—
Bedford, William A., Jr.
United-Carr Fastener Corporation, assignee: *See*—
Amesbury, Robert R.
Bedford, William A., Jr.
Bennett, John.
Churchill, Wilmer H.
Clark, Geoffrey W.
Griffin, Theodore R.
Heath, Clarence W.
Howard, Forbes.
Jones, Walter I.
Karl, Joseph.
Kohler, John H.
Murphy, Howard J.
Peters, James F., Jr.
Petri, Henry L.
Trafton, Warren L.
Van Buren, Harold S., Jr.
Wagstaff, George.
Woodward, Clement A.
United Chromium, Incorporated, assignee: *See*—
Dubpernell, George.
Stareck, Jesse E.
Stareck, Jesse E., and Passal.
United Concrete Pipe Corporation, assignee: *See*—
Ukropina, Bozidar, J.
United Electric Controls Company, assignee: *See*—
Leupold, Henry G.
United Elevator Service, Inc., assignee: *See*—
Di Giovanni, Joseph.
United Engineering & Foundry Company, assignee: *See*—
Edstrom, Eric H.
Stone, Morris D.
Talbot, Howard H.
United Engineers & Constructors Inc., assignee: *See*—
Haug, John S.
United Fruit Company, assignee: *See*—
Carlile, John F.
United Gas Improvement Company, The, assignee: *See*—
Chaney, Newcomb K., and Jordan.
United Helicopters, Inc., assignee: *See*—
Hiller, Stanley, Jr., and Sigler.
United Kingdom Optical Company, Limited, assignee: *See*—
Clay, Reginald S., and Moore.
United Last Company, assignee: *See*—
Loewer, Henry F.
Loewer, Henry F., and Porter.
United Lens Corporation, assignee: *See*—
Coulter, Guy H.
United Merchants & Manufacturers, Inc., assignee: *See*—
Egger, Luis G.
Fountain, Harold, and Murphy.
Houth, Joseph W., and P. L. and F. T. Miller.
Mantell, Charles L.
Mantell, Charles L., and Dabrowski.
Mantell, Charles L., and Heim.
Tornquist, William R., and Vandermark.
Weiss, Eric E.
United Piece Dye Works, The, assignee: *See*—
Schlesinger, Gabriel J.
Sinclair, Gabriel J.
United Products Company, The, assignee: *See*—
Ball, Charles O.
United Shoe Machinery Corporation, assignee: *See*—
Baker, Corwin W.
Bertrand, Frederic E.
Bertrand, Frederic E., and Clark.
Blanchard, Benjamin B.
Boothroyd, Hubert.
Bradley, Robert W.
Bradley, Robert W., and Juhola.
Bradley, Robert W., and Wildman.
Bray, William N.
Brophy, John J.
Brostrom, Charles G.
Brown, Fred H.
Burby, Philip E.
Chase, Ernest E., Nokes, Stratton, and Goodhue.
Choice, Frank C.
Choice, Frank C., and James.
Clark, Alfred S.
Clarke, Thomas B.
Clarke, Thomas B., and Rivington.
Cole, Frank E.
Collins, George H.
Cummings, Roy W., and Burke.
Dixon, Paul H., and Hannable.
Duplessis, Rene E.
Eastman, Fred C.
Edgar, David.
Elch, Frank A., and Monfils.
Elliott, Harold E., and Barton.
Elliott, Harry D.
Engel, Karl.
Eppler, Andrew, Jr.
Ewart, John M.
Finn, Sidney J.
Fitzgerald, Charles F.
United Shoe Machinery Corporation, assignee: *See*—Con.
Forman, Arthur W., and Thirdborough.
Frampton, Stanley E.
Fredericksen, James P.
Gookin, Sylvester L.
Griswold, Stanley M.
Gross, Charles J.
Haas, Otto R.
Hart, Fred V.
Hart, George T., and Seymour.
Hazelton, George, Barker, and Gibson.
Hollick, John G.
Holmgren, Eric A.
James, Lawrence T.
Jorgensen, Bernhardt.
Knott, Clyde L.
Knowlton, Norwood H.
Leahy, James F.
Le Blanc, Arthur R.
Lyness, Horatio S.
Macdonald, Lester S.
MacKenzie, Wilbur L.
Maeser, Mieth.
Mawbey, Lawrence.
Miller, Lloyd G.
Morrill, Alfred R.
Mulhern, Laurence H., and Spugnardi.
Naugler, Walter E., and Stacey.
Patten, Harry B.
Paulsen, Hans C.
Phillips, Harry.
Pratt, John W.
Putnam, Robert C.
Ray, Eugene J.
Reinhold, Frank W., and Maciejowski.
Richardson, George K.
Roper, Joseph C., Jr.
Roske, Milton H.
Ryan, George F.
Senfleben, Paul W.
Slinkard, Raymond L., and Miller.
Stacey, Ernest W.
Stacey, Ernest W., and Reinhold.
Stacey, Ernest W., and Willhauck.
Standish, John F.
Stritter, Karl A.
Topham, Laurence E.
Topham, Laurence E., and Cross.
Topham, Laurence E., and Knott.
Wedger, Walter H.
Whelton, John M., and Burke.
White, Percy, and Keall.
Whitmore, Robert A.
Woodman, Charles K., and Ferland.
United Specialties Company, assignee: *See*—
Blair, Mark L., and Heitzmann.
Moler, Maurice T.
United Steel Companies Limited, The, assignee: *See*—
Bardgett, William E.
United Steel & Wire Company, assignee: *See*—
Tichenor, Don L.
United Wallpaper, Inc., assignee: *See*—
Atkinson, Ralph L., and Hopkins.
Staunton, Le Roy, Atkinson, and Hopkins.
United States Air Conditioning Corporation, assignee: *See*—
Ewald, Warren, and Miller.
Teigen, Ferdinand A.
United States Air Force, United States of America as represented by the Secretary of the, assignee: *See*—
Frank, Ernest, and Mozley.
Hartley, Emmett C.
U. S. Asbestos Cement Pipe Company, assignee: *See*—
Ferla, John.
United States Atomic Energy Commission, United States of America as represented by the, assignee: *See*—
Agron, Paul A., and Weller.
Ahlberg, Jacob E., and Hiskey.
Anderson, Herbert L.
Anderson, Herbert L., and Koontz.
Angerman, Albert H.
Backus, John G.
Baker, Benjamin P., Shriver, and Van Sickle.
Baker, William R.
Baker, William R., and Kerns.
Beams, Jesse W.
Beams, Jesse W., Snoddy, and Hoxton.
Beck, Clifford K., and Kirkpatrick.
Benning, Anthony F.
Blair, John M., and Hush.
Boorse, Henry A., and Boeker.
Borst, Lyle B.
Boyer, Robert Q.
Bradley, Wendell H.
Brown, Harrison S., and Hubble.
Brown, Robert J. S.
Brown, Robert J. S., and Weiss.
Burford, William B., III, and Anderson.
Burford, William B., III, and Weber.
Cady, George H.
Calvin, Melvin, and Yankwich.
Carter, James H., and Daane.
Chupp, Warren W.
De Pangher, John.

United States Atomic Energy Commission, United States of America as represented by the, assignee: *See*—Con.
Dodson, Richard W., and Beamer
Downing, Frederick B.
Duffey, Dick.
East, Jack K., and English.
Evans, Quentin J., and Kushner.
Ewalt, Wolford M.
Fermi, Enrico.
Fried, Sherman, and Davidson.
Fries, Bernard A.
Froman, Darol K.
Fulbright, Harry W.
Gifford, John F.
Graves, Elizabeth R.
Hainer, Raymond M.
Hammel, Jay E.
Hansen, William W.
Henriques, Frederick C., Jr.
Holmes, John A.
Hopper, Dwight L.
Jacobs, Robert B.
Janssen, William H., and Mikelson.
Johnson, Milton E.
Kanne, William R.
Kennedy, Joseph W., Baker, and Wiegand.
Kerns, Quentin A.
Kilpatrick, Martin.
King, L. D. Percival.
Kinslow, Ray.
Kirshenbaum, Isidor, and McCaulay.
Lawrence, Ernest O., Waithman, and Schmidt.
Loevinger, Robert.
MacLeish, Kenneth G.
Malm, John G., and Hutchison.
Manley, John H.
McBee, Earl T., and Newcomer.
McHarness, Robert C., and Benning.
McMahon, Jerome B., and Abbott.
Molloy, Everett W.
Molloy, Everett W., and Hinch.
Neil, Hugh G.
Newton, Amos S.
Newton, Amos S., and Johnson.
Nier, Alfred O. C., Goertzel, and Thorness.
Perkins, Melvin A.
Perret, William R., and Davis.
Plesset, Ernst H.
Powell, Wilson M.
Rathkamp, William R.
Reiber, Harold G.
Reid, Allen F.
Reid, John D.
Reingheim, Richard S.
Rosen, Raphael.
Rossi, Bruno B., and Allen.
Sands, Matthew L.
Sands, Matthew L., Frisch, and Elmore.
Schaeffer, George W., and Barbaras.
Schlesinger, Hermann I., and Schaeffer.
Segre, Emilio G., and Chamberlain.
Shank, Walter B., Gurinsky, and Creutz.
Sherwood, Donnelle W.
Simpson, Albert R.
Simpson, John A., Jr.
Smith, Douglas W.
Smith, Waverly Q., and Struthers.
Snell, Arthur H., and Miller.
Stang, Louis G., Jr.
Stauffer, Lynn H., and Snyder.
Stilmar, Frederic B., Struve, and Lulek.
Stoltenberg, Glenn R.
Straus, Henry A.
Strickland, Gerald.
Thomas, Henry C., and Tomcufcik.
Thomas, Jesse B.
Titterton, Ernest W.
Titterton, Ernest W., and Voorhies.
Warf, James C.
Watson, George R.
Watt, Robert D., and Watson.
Webb, Herbert J.
Whitaker, George C.
Wiegand, Clyde E., and Segre.
Wilhelm, Harley A., and Gerald.
Wilson, Volney C.
Wirth, Henry E.
Wisner, Raymond R.
Zurcher, Ernest.
United States Automatic Box Machinery Co., Inc., assignee: *See*—
Cote, Omer E.
U. S. Automatic Corporation, assignee: *See*—
Nord, Eric T.
U. S. Blind Stitch Machine Corp., assignee: *See*—
Buono, Mario.
U. S. Bobbin & Shuttle Co., assignee: *See*—
Segee, James E., and Gosselin.
U. S. Electrical Motors, Inc., assignee: *See*—
Evans, William M.
Luenberger, Frederick O.
United States Engineering Co., assignee: *See*—
Panik, Joseph J., and Wilbur.
United States Envelope Company, assignee: *See*—
Heywood, Vincent E.
United States Finishing Company, The, assignee: *See*—
Balassa, Ladislaus.
United States Gypsum Company, assignee: *See*—
Camp, Thomas P.
Camp, Thomas P., and Kolmodin.
Cumfer, Donald A.
Dailey, Manvel C., and Parsons.
Mohrer, Henry Z.
Nelson, William L.
Nies, Brainard W., and Duffy.
Stitt, Roger H.
Willey, Grant S., and Ruthman.
Wise, John K.
United States Hoffman Machinery Corporation, assignee: *See*—
Armstrong, Francis J.
Armstrong, Francis J., and Hamlin.
Fitpold, Joseph E.
Sutton, Harry G.
U. S. Industrial Chemicals, Inc., assignee: *See*—
Christ, Robert E.
Earhart, Kenneth A.
Hammond, John A. S.
Hasselstrom, Torsten.
Hodge, Howard M.
Schultze, John E.
Wachs, Herman.
Wachs, Herman, and Kulka.
United States Instrument Corporation, assignee: *See*—
Cleaveland, Le Roy A., and Tooker.
Warnke, Herbert R.
United States Loc-Bloc Corporation, assignee: *See*—
Clark, Morton, and Priestly.
U. S. Machine Corporation, assignee: *See*—
Winkler, Herman E. and C. J.
U. S. Manufacturing Corporation, assignee: *See*—
Hobbs, Charles B.
United States Motors Corporation, assignee: *See*—
Johnson, Harry G., and Kalous.
United States of America, assignee: *See*—
Fieser, Louis F., and Van Loenen.
Forrester, Jay W., and Everett.
Thuras, Albert.
Welch, Henry.
United States Radium Corporation, assignee: *See*—
Wallhausen, Clarence W.
United States Rubber Company, assignee: *See*—
Arbib, Richard H.
Aune, Alan E.
Battin, Harold T.
Becker, Arthur H.
Benson, Arthur E.
Benson, Arthur E., Howe, and Mosshart.
Brown, Robert W.
Brucksch, William F., Jr.
Buckwalter, Howard M., and Montgomery.
Cady, John E., and Mulbarger.
Carlin, Frank J.
Case, Richard Y.
Clarkson, Robert J.
Cowgill, William W.
Cunningham, Marion M.
Cunningham, Marion M., and McDowell.
Daly, Lawrence E.
Eger, Ernst.
Feldman, John E.
Fisk, Charles F.
Foster, Boutwell H.
Foster, Boutwell H., and Battin.
Gartrell, Robert D.
Gartrell, Robert D., Carroll and Hansen.
Green, Alfred J.
Gyana, Eugene E.
Haefele, John W.
Harding, Watson G.
Harris, Walter D., and Kerr.
Harris, Walter D., Tate, and Zukel.
Holbrook, Frederic L., and Cutting.
Holroyd, George C., and Almand.
Huff, Curtis E., and Zimmerman.
Hunter, Byron A., and Sundholm.
Hurt, Victor H.
Jurgeleit, Herbert F.
Kerr, Henry H.
Kerr, Kenneth W.
Kharasch, Morris S.
Kuderna, Jerome G., Jr., and Snyder.
Kulka, Marshall, and Tate.
Ladd, Elbert C.
Ladd, Elbert C., and Little.
Ladd, Elbert C., and Sargent.
Landgraf, Stephen V.
Lewis, Frederick M., and Doak.
Lightfoot, William J.
Linscott, Chester E.
Mann, James U.
Manske, Richard H. F., Trickey, and Myers.
McNeill, George K.
Meeker, Robert E., and Segrave.
Messer, William E., Neklutin, and Reynolds.
Meyer, Albert W.

United States Rubber Company, assignee: *See*—Continued.
Mooney, Melvin.
Mulbarger, Francis A., and Hiatt.
Paul, Philip T., and Skaptason.
Paulsen, Robert M.
Peterson, Harold S., and Anderson.
Prill, Erhard J.
Rhines, Chester E., and Linscott.
Rhodes, Thomas J.
Richmond, Henry H.
Romeyn, Hendrick, Jr., and Ferrell.
Rumbold, John S.
Schoene, Dwight L.
Schoene, Dwight L., and Chambers.
Smith, Omar H.
Smith, Omar H., and Roach.
Snyder, Robert H.
Stiteler, Charles H., and Little.
Strickhouser, Sherman I.
Sundholm, Norman K.
Tawney, Pliny O.
Tawney, Pliny O., and Kuderna.
Teague, Merwyn C.
Uhlig, Edwin C.
Van Buskirk, Edward C., Streed, and Flood.
Wallace, Edward H.
Walling, Cheves T., and Snyder.
Weston, Gerritt V. I.
Wilzbach, Kenneth E.
U. S. Rubber Reclaiming Company, Inc., assignee: *See*—
Sverdrup, Edward F.
United States Safety Service Co., assignee: *See*—
Moeller, William C.
U. S. Safety Table Corp., assignee: *See*—
Marantz, Leon A.
U. S. Slicing Machine Company, Inc., assignee: *See*—
Brustowsky, Morris.
Gierke, Walter W., Brownsey, and Frye.
Klingens, Cornelis.
Stukart, Hendrik.
Thomas, Henry.
Van Duyn, Adrianus.
United States Steel Corporation of Delaware, assignee: *See*—
Hammerstrom, Karl R.
Reed, Thomas F.
Sosman, Robert B.
United States Stoneware Company, The, assignee: *See*—
Frye, Eugene R.
U. S. Thermo Control Company, The, assignee: *See*—
Jones, Frederick M.
Patterson, Everett M., and Klein.
Patterson, Everett M., and McAloon.
United States Time Corporation, The, assignee: *See*—
Brazee, Henry S., and Claffey.
United States Vanadium Corporation, assignee: *See*—
Burwell, Blair.
Carosella, Michael.
U. S. Vitamin Corporation, assignee: *See*—
Freedman, Louis, and Green.
Universal Atlas Cement Company, assignee: *See*—
Lobaugh, Frank E.
Ludwig, Norman C.
Universal Bulb Corporation, assignee: *See*—
Cronquist, Nils R.
Universal Camera Corporation, assignee: *See*—
Johanson, Sten.
Universal Diving Service Company, assignee: *See*—
Rowley, George B., and Clements.
Universal Door Carrier, Inc., assignee: *See*—
Shattuck, Daniel W.
Universal Drafting Machine Corporation, assignee: *See*—
Little, Charles H.
Universal Engineering Corporation, assignee: *See*—
Berg, Egon G., and Voorderman.
Universal Exploration Company, assignee: *See*—
Woodard, Stanley W.
Universal Fountain Pen & Pencil Company, assignee: *See*—
Coler-Dark, Leslie.
Morris, Hy D.
Universal Fountain Pen & Pencil Company, Inc., assignee: *See*—
Andauer, Alfred M.
Universal Match Corporation, assignee: *See*—
Ellern, Herbert.
Universal Moulded Products Corporation, assignee: *See*—
Nebesar, Robert J.
Universal Oil Products Company, assignee: *See*—
Adams, George F.
Berger, Charles V.
Bloch, Herman S.
Bloch, Herman S., and Hoffman.
Bockman, Theodore.
Chenicek, Joseph A.
Collins, Robert B.
Danforth, Joseph D.
Deanesly, Richard M.
Delattre-Seguy, Jean.
Ehrhardt, Charles H.
Gallaway, William S., and Fenske.
Gantt, James E.
Geiser, Edward M.
Gleim, William K. T., and Chenicek.
Universal Oil Products Company, assignee: *See*—Con.
Grote, Henry W.
Hartwig, Karl T.
Hervert, George L.
Hoekstra, James.
Huff, Lyman C.
Hulsberg, Herbert A.
Ipatieff, Vladimir N., and Pines.
Kassel Louis S.
Linn, Carl B.
Mavity, Julian M.
McAfee, Jerry.
Oberding, Harold J.
Pines, Herman, and Ipatieff.
Pines, Herman, and Kvetinskas.
Pines, Herman, and Vesely.
Rosenwald, Robert H.
Rosenwald, Robert H., and Chenicek.
Schaad, Raymond E.
Schmerling, Louis.
Thompson, Ralph B.
Thompson, Ralph B., and Bloch.
Thompson, Ralph B., and Chenicek.
Watson, Charles C.
Watkins, Charles H.
Webb, Glenn M., and Moehl.
Universal Products Company Incorporated, assignee: *See*—
Dunn, George E.
Universal Products Corporation, assignee: *See*—
Van Leer, Oscar, and Zook.
Universal Properties, Inc., assignee: *See*—
Martin, Earnest E.
Universal Railway Devices Co., assignee: *See*—
Bartsch, Herbert E.
Universal Tip & Equipment Company, assignee: *See*—
Eicher, Clyde M.
Universal Zonolite Insulation Company, assignee: *See*—
Rea, Robert F.
University Loudspeakers, Inc., assignee: *See*—
Levy, Sidney E.
University of California, The Regents of the, assignee: *See*—
Boelter, Llewellyn M. K., Dunkle, Gier, and Martinelli.
Calvin, Melvin.
Calvin, Melvin, and Latimer.
University of Illinois, Board of Trustees of the, assignee: *See*—
Fellows, Julian R.
Kerst, Donald W.
Miles, John C.
University of Michigan, Regents of the, assignee: *See*—
Blicke, Frederick F.
University of Minnesota, Regents of the, assignee: *See*—
Davis, Edward W.
Gisvold, Ole.
Lundberg, Walter O.
Schmitt, Otto H.
Sollner, Karl, Carr, and Gregor.
University of Pennsylvania, The Trustees of the, assignee: *See*—
Ehrenstein, Maximilian R.
University of Rochester, assignee: *See*—
Urbach, Franz.
University of Toronto, The Governors of the, assignee: *See*—
Tosoni, Anthony L., and Maloney.
University of Wyoming, The, assignee: *See*—
Fisk, Henry G.
Unk, Jacob M., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Mechanical movement. 2,508,313, May 16.
Unk, Jacob M., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Device for arresting a shaft. 2,530,795, Nov. 21.
Unkauf, Henry C.: *See*—
Slifkin, Sam C., and Unkauf.
Unkauf, Henry C., Endicott, assignor to General Aniline & Film Corporation, New York, N. Y. Alkyl malonamates as azo coupling components in diazotype layers. 2,533,185. Dec. 5.
Unke, Herman A., Parma Heights, Ohio. Thread protector. 2,523,930, Sept. 26.
Unkefer, Gilbert G., assignor to The Harshaw Chemical Company, Cleveland, Ohio. Preparation of metallic soaps. 2,528.803, Nov. 7.
Unruh, Cornelius C.: *See*—
Kenyon, William O., and Unruh.
Kenyon, William O., Unruh, and Fowler.
Unschuld, Henry M., Chicago, Ill. Soybean oil refining process. 2,516,733, July 25.
Unschuld, Henry M., Chicago, and J. G. Alther, Evanston, Ill., said Alther assignor to said Unschuld. Removing sulfur from oils. 2,504,058, Apr. 11.
Unsinger-AP Corporation, assignee: *See*—
Unsinger, Philip H.
Unsinger, Philip H., Fremont, Ohio, assignor to Unsinger-AP Corporation. Implement or toolholder. 2,507,872, May 16.
Unterberger, Edward, assignee: *See*—
Ichelson, Rose R.
Unterberger, Frank D., assignor to S. Kinchem, Murrysville, Pa. Door and window structure. 2,506,978, May 9

Unterschuetz, Siegfried O., Chicago, and G. P. Gaspar, Cicero, Ill. Electric switch. 2,523,077, Sept. 19.
Unwin, Kenneth J., assignor to Quaker Foundation, Inc., Kenosha, Wis. Leveling bridge. 2,496,645, Feb. 7.
Upchurch, Fern G., Los Angeles, Calif. Removable cold wave or dye pan for beauticians' wash sinks. 2,496,684, Feb. 7.
Upham, Edward W.: *See*—
Calkins, William G., and Upham.
Upham, John D.: *See*—
Hudson, Thomas B., and Upham.
Upjohn Company, The, assignee: *See*—
Colingsworth, Donald R.
Cookson, Leonard T., and Klettke.
Correll, John T.
Cracas, Louis J.
Haines, William J., and Johnson.
Heinzelmann, Richard V.
Hunter, James H., and Korman.
Levin, Robert H., and McIntosh.
Levin, Robert H., McIntosh, and Spero.
Reitsema, Robert H.
Smith, William R.
Weisblat, David I., and Lyttle.
Wright, John B.
Upper, Frederick A., and R. A. Baumgartner, assignors to The Carborundum Company, Niagara Falls, N. Y. Fibrous polishing device. 2,532,248, Nov. 28.
Upson, Robert W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymeric compounds from hydrocarbon silane diols and polyisocyanates or polyisothiocyanates. 2,511,310, June 13.
Upson, Robert W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymeric boronamides. 2,517,944, Aug. 8.
Upson, Robert W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymeric organosilanolboronic acid reaction products and making same. 2,517,945, Aug. 8.
Upton, Edward J.: *See*—
pool, William, and Upton.
Upton, Lee O.: *See*—
Fraser, Walter A., Kreidl, and Upton.
Upton, Ross P., Watertown, Conn. Cutting glass. 2,507,841, May 16.
Urbach, Franz, assignor to University of Rochester, Rochester, N. Y. Rendering infrared radiation visible employing doubly activated alkaline earth sulfide phosphors. 2,522,074, Sept. 12.
Urban, Frank, Buffalo, N. Y. Closure means for cloth receptacles. 2,528,192, Oct. 31.
Urban, Frank K., Cleveland, Ohio. Safety device. 2,519,613, Aug. 22.
Urban, Rose, New York, N. Y. Combination game. 2,533,904, Dec. 12.
Urban, William J., Glen Ellyn, assignor to American Ore Reclamation Company, Chicago, Ill. Sprocket wheel tooth and pallet contact means. 2,534,186, Dec. 12.
Urban, William J., Glen Ellyn, assignor to American Ore Reclamation Company, Chicago, Ill. Sprocket wheel and tooth therefor. 2,534,187, Dec. 12.
Urbano, Joseph V., Newark, N. J. Clamp mechanism for setting adhesively bound brake shoe linings. 2,515,746, July 18.
Urech, Ernst: *See*—
Isler, Hans, Schellenberg, and Urech.
Miescher, Karl, Marxer, and Urech.
Urick, Robert J., San Diego, Calif. Radio controlled bearing repeater. 2,519,418, Aug. 22.
Urison, Jacques, Paris, P. de Calignon, Lannemezan, and G. Pingard, Thann, assignors to Societe Pyreneenne de Carburants et Solvants, Paris, France. Destructive distillation of vegetable matter with caustic and lime. 2,495,396, Jan. 24.
Urist, Harold, and G. J. Martin, assignors to The National Drug Company, Philadelphia, Pa. Sulfanilic acid derivatives. 2,504,471, Apr. 18.
Urmetz, Walter W., Parma, assignor to The Ferro Engineering Company, Cleveland, Ohio. Ingot mold and hot top. 2,495,992, Jan. 31.
Urquhart, Archibald M., Los Angeles, assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif. Blanking and piercing device. 2,494,018, Jan. 10.
Urquhart, Noel: *See*—
Masterson, Earl E., and Urquhart.
Urschel, Bertis H., assignor to The Urschel Engineering Company, Bowling Green, Ohio. Vehicle axle. 2,512,186, June 20.
Urschel Engineering Company, The, assignee: *See*—
Urschel, Bertis H.
Urschel, Gerald W.: *See*—
Urschel, Joe R. and G. W.
Urschel, Joe R., Valparaiso, Ind. Machine for predeterminedly shaping and cutting away surface portions of deformable substances. 2,520,982, Sept. 5.
Urschel, Joe R. and G. W., Valparaiso, Ind. Machine for clipping onions and the like. 2,494,914, Jan. 17.
Ushanoff, Vaselei V., Los Angeles, Calif. Anterior bridge plastic teeth. 2,514,592, July 11.
Ushanoff, Vaselei V., Hollywood, Calif. Anterior dental tray. 2,533,855, Dec. 12.
Usselman, George L., Port Jefferson, N. Y., assignor to Radio Corporation of America. Frequency shift keying stage. 2,494,321, Jan. 10.
Usselman, George L., Port Jefferson, N. Y., assignor to Radio Corporation of America. Electronic keying circuit with one negative and one positive voltage output. 2,497,965, Feb. 21.
Usselman, George L., Port Jefferson, N. Y., assignor to Radio Corporation of America. Mounting base for water-cooled transmitter tubes. 2,502,904, Apr. 4.
Usselman, George L., Port Jefferson, N. Y., assignor to Radio Corporation of America. Single side band modulator. 2,507,178, May 9.
Usselman, George L., Port Jefferson, N. Y., assignor to Radio Corporation of America. Oscillation frequency multiplier circuit. 2,512,729, June 27.
Usselman, George L., Port Jefferson, N. Y., assignor to Radio Corporation of America. Direct current limiter and counter circuit. 2,515,677, July 18.
Usselman, George L., Port Jefferson, N. Y., assignor to Radio Corporation of America. Oscillatory energy generating and modulating system. 2,515,971, July 18.
Usselman, George L., and L. L. Young, Port Jefferson, N. Y., assignors to Radio Corporation of America. Heat dissipating jacket. 2,513,828, July 4.
Usteri, Eduard: *See*—
Graenacher, Charles, Usteri, and Geiger.
Usteri, Eduard, Basel, and C. Graenacher, Riehen, assignors to Ciba Limited, Basel, Switzerland. New tetrachlorethyl ethers of phenols and products obtainable therefrom and the use of the latter products. 2,502,355, Mar. 28.
Utecht, John W.: *See*—
Hoffmann, Elmer L., and Utecht.
Utica Drop Forge & Tool Corporation, assignee: *See*—
Barnes, William A.
Utilities Distributors, Inc., assignee: *See*—
Anderson, Eric M.
Janson, Harry W., and Rodgers.
Utility Appliance Corp., assignee: *See*—
Abbott, John H.
Utility Trailer Manufacturing Company, assignee: *See*—
Bennett, Walter.
Utley, Azle H., Auburn, Calif. Movable bed pneumatic stratifier. 2,513,603, July 4.
Utterback, Ernest: *See*—
Bergstrom, Eric V., and Utterback.
Utterback, Ernest, New York, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated. Heater. 2,499,703, Mar. 7.
Utterback, Ernest, New York, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated. Insulated conduit. 2,520,482, Aug. 29.
Utterback, Ernest, New York, N. Y., and E. V. Bergstrom, Short Hills, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Heating granular solids. 2,499,704, Mar. 7.
Utz, Chester C., Southfield Township, Oakland County, assignor to Chrysler Corporation, Highland Park, Mich. Motor vehicle stabilizer. 2,517,611, Aug. 8.
Utz, Edward J.: *See*—
Carothers, Thomas A., Des Jardins, and Utz.
Vaccaro, Joe: *See*—
Winzler, Robert A., and Vaccaro.
Vackář, Jiří, assignor of one-half to Tesla National Corporation, Prague, Czechoslovakia. Balanced feedback for symmetric cathode followers. 2,523,240, Sept. 19.
Vacu-Dry Company, assignee: *See*—
Ketcham, Edward K., May, and Jagow.
Vacuum Can Company, assignee: *See*—
Verheyden, James A.
Verheyden, James A., and Haloski.
Vacuum Cleaner Corporation of America, assignee: *See*—
Meletti, Adolph.
Vacuum Concrete Inc., assignee: *See*—
Billner, Karl P.
Vacuum Grip Cover Company, Inc., assignee: *See*—
Harben, William C.
Værnet, Carl, Odder, Denmark. Pharmaceutical preparation for implantation. 2,517,513, Aug. 1.
Vagim, Edward J., Fresno, Calif. Feeding device for nonfree-flowing materials in bulk with adjustable flow control plate and elongated handle therefor. 2,532,584, Dec. 5.
Vâhl, László, Muiderberg, and A. W. Jansen, Rijswijk, assignors to Centraal Bureau van de Tuinbouwveilingen in Nederland, the Hague, Netherlands. Pretreating vegetable materials. 2,515,025, July 11.
Vahle, Julius, Syracuse, N. Y., assignor to General Electric Company. Variable reactance device. 2,494,596, Jan. 17.
Vahle, Julius, and P. D. Heath, Syracuse, N. Y., assignors to General Electric Company. Automatic tuning system. 2,523,791, Sept. 26.
Vahle, Raymond: *See*—
Benoit, Leon, and Vahle.
Vahlteich, Hans W.: *See*—
Gooding, Chester M., Vahlteich, and Neal.
Vahlteich, Hans W., Edgewater, R. H. Neal, North Bergen, N. J., and C. M. Gooding, Staten Island, assignors to The Best Foods, Inc., New York, N. Y. Compositions, including esters of citric acid. 2,523,792, Sept. 26.
Valda, George J.: *See*—
Valda, Theodore F. and G. J.
Valda, Theodore F. and G. J., High Bridge, N. J. Vial supporting means for spirit levels. 2,502,905, Apr. 4.

Vail, John H., Muskegon, Mich., assignor to Anaconda Wire and Cable Company. Preparing solutions of mixtures of siloxane resin and polyvinyl acetal resin, wherein cresylic acid is used as one of the solvents. 2,506,320, May 2.
Vail, Robert P., Pampa, Tex., assignor to Cabot Shops, Inc., Boston, Mass. Pumping unit. 2,515,360, July 18.
Vaksvik, Adrian J., and M. B. Arisman, assignors to Chicago Telephone Supply Corporation, Elkhart, Ind. Snap switch. 2,529,716, Nov. 14.
Valasek, Otakar, Chicago, Ill. Supporting bracket. 2,527,899, Oct. 31.
Valbert, Louis W., assignee: *See*—
Horan, Maurice K., and Cade.
Valbuena Casado, Daniel, Valladolid, Spain. Cylinder and piston arrangement for internal-combustion engines. 2,514,016, July 4.
Valco Manufacturing Company, assignee: *See*—
Cousineau, John B.
Dopyera, Louis.
Valcourt, Inc., assignee: *See*—
Tattle, William I.
Valcourt, Louis E., East Providence, assignor to Kestenman Bros. Mfg. Co., Providence, R. I. Expansible band or bracelet. 2,518,507, Aug. 15.
Valcourt, Louis E., East Providence, assignor to Kestenman Bros. Mfg. Co., Providence, R. I. Clasp or connector for watch-bracelets and the like. 2,522,650, Sept. 19.
Valdettaro, Alarico A., assignor, by mesne assignments, to Sarkes Tarzian, Inc., Bloomington, Ind. Combined chassis and multichannel tuner. 2,497,747, Feb. 14.
Valen, Otto, Trondheim, assignor to A/S Lysøsund Sildoljeog Kraftforfabrik, Lysøsund pr. Trondheim, Norway. Procedure for making fodder meal and oil from animal raw materials. 2,534,640, Dec. 19.
Valensi, Georges, Paris, France. Scanning system for television receivers. 2,495,790, Jan. 31.
Valente, Anthony S., Rockville Centre, assignor to V. S. Anthony Company, Inc., West Hempstead, N. Y. Device for administering oxygen. 2,508,050, May 16.
Valenti, Angelo F., Cleveland, Ohio. Rotary food grater. 2,524,335, Oct. 3.
Valentine, Harold E., New Malden, England, assignor to General Electric Company. Bending sealed glass tubes. 2,508,127, May 16.
Valentine, Harold G., assignor to Norton Laboratories, Inc., Lockport, N. Y. Fishhook holder. 2,501,425, Mar. 21.
Valentine, Harry J., Sr., assignee: *See*—
Hearn, Benjamin F., Crowder, and Valentine.
Valentine, Kenneth A., Mesilla Park, N. Mex. Key holder. 2,534,151, Dec. 12.
Valentine Laboratories, Inc., assignee: *See*—
Boylan, Louis A.
Braaten, Earl E.
Valentine, Loyd L., Atlantic, Iowa. Garment hanger. 2,532,969, Dec. 5.
Valentine, Richard J., Claremont, Calif. Deodorizing device for pipes. 2,502,292, Mar. 28.
Valentine, Stanley, Jr.: *See*—
Smart, Lee, and Valentine.
Valeton, Josué J. P.: *See*—
Haantjes, Johan, and Valeton.
Valin, Maurice, Chartres, France. Trailer draft device. 2,516,813, July 25.
Valk, William E.: *See*—
Chilton, Roland.
Valko, Emeric I.: *See*—
DuBois, Adrien S., and Valko.
Vallarino, Antonio R.: *See*—
Ostlund, Evert M., Silver, and Vallarino.
Vallely, Joseph G., Du Bois, Pa. Locomotive draft chamber. 2,532,208, Nov. 28.
Vallerie, John E., Norwalk, Conn. Producing oil films. 2,496,362, Feb. 7.
Vallerie, John E., Norwalk, Conn. Method and apparatus for conditioning motors. 2,525,978, Oct. 17.
Valley Industries, Inc., assignee: *See*—
Pape, Clifford B., and Sweetman.
Valley Welding & Boiler Co., assignee: *See*—
Hebert, John W.
Valpey, Henry H., Cincinnati, Ohio. Transcribing device. 2,528,325, Oct. 31.
Valve Engineering Company, assignee: *See*—
Caldwell, Walter T.
Valyi, Emerik I., assignee: *See*—
Valyi, Ilsabe E.
Valyi, Ilsabe E., Coldwater, Mich., assignor to E. I. Valyi, New York, N. Y. Investment compositions and producing refractory molds therefrom. 2,521,614, Sept. 5.
Van Ackeren, Joseph, Aspinwall, assignor to Koppers Company, Inc., Pittsburgh, Pa. Gas burner for coke ovens. 2,507,554, May 16.
Van Ackeren, Joseph, assignor to Koppers Company, Inc., Pittsburgh, Pa. Apparatus for adding liquid to control the bulk density of coking coal. 2,510,158, June 6.
Van Ackeren, Joseph, assignor to Koppers Company, Inc., Pittsburgh, Pa. Bleeder device interconnecting wall headers of coke-oven underfiring system. 2,516,929, Aug. 1.
Vanadia, Frank, Mount Vernon, N. Y. Shank connection for the presser foot of a sewing machine and producing same. 2,526,304, Oct. 17.
Vanadium Corporation of America, assignee: *See*—
Dunn, Holbert E., Rathmann, and Parkman.
Weinig, Arthur J.
Van Akkeren, Leon: *See*—
Ralston, Anderson W., Turinsky, and Van Akkeren.
Van Allen, Charles R., Williston, N. Dak. Automatic disk blade grinder. 2,528,193, Sept. 31.
Van Alphen, Pieter M., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Manufacturing an optical element. 2,530,742, Nov. 21.
Van Alsburg, Jerold H., and W. C. De Roo, assignors to Hart & Cooley Manufacturing Company, Holland, Mich. Air distributor. 2,504,472, Apr. 18.
Van Alstyne, Howard M., and W. Bell, assignors to F. C. Huyck & Sons, Rensselaer, N. Y. Picking mechanism for looms. 2,517,454, Aug. 1.
Van Alstyne, Roy, and E. J. Rothchild, Seattle, Wash.; said Van Alstyne assignor to said Rothchild. Fluid drive mechanism. 2,526,175, Oct. 17.
Van Amstel, Johannes J. A. P., Eindhoven, Netherlands, assignor to Hartford National Bank & Trust Co., Hartford, Conn., as trustee. Manufacturing blocking-layer cells of the selenium type. 2,502,540, Apr. 4.
Van Andel, Alfred C.: *See*—
Jackson, Carey B., Beahm, and Van Andel.
Jackson, Carey B., and Van Andel.
Van Andel, Eleonoor E., Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Preparation of N-halo derivatives of organic sulfonamides. 2,495,489, Jan. 24.
Van Antwerpen, Martin, Milwaukee, Wis. Combination presser and sealer. 2,496,609, Feb. 7.
Van Antwerpen, Martin, Wauwatosa, Wis. Machine for fabricating a cushioning packaging strip. 2,504,473, Apr. 18.
Van Arkel, Ralph W., assignor of fifty per cent to R. B. Kempenaar, Oskaloosa, Iowa. Fishhook. 2,534,152, Dec. 12.
Van Armbruster, Cecil, New Holland, Pa., and E. Bylund, assignors to John Oster Manufacturing Company, Racine, Wis. Mechanical movement suitable for use as transmission for electric hair clippers. 2,510,844, June 6.
Van Armbruster, Cecil, Mount Morris, Ill., and E. Bylund, assignors to John Oster Manufacturing Company, Racine, Wis. Mechanical movement. 2,513,383, July 4.
Van Arsdale Corporation, assignee: *See*—
Baltes, Lawrence.
Van Atta, Lester C., Winchester, Mass., assignor, by mesne assignments to the United States of America as represented by the Secretary of War. Antenna. 2,530,098, Nov. 14.
Van Auken, Howard C., Manhasset, N. Y., assignor to The Sperry Corporation. Multiple variable-speed drive. 2,512,700, June 27.
Van Auken, Milo E., assignor to James R. Kearney Corporation, St. Louis, Mo. Clamp means. 2,504,360, Apr. 18.
Van Ausdall, Carl, Liberty, Ind. Sickle bar attachment. 2,509,114, May 23.
Van Ausdall, Carl, Liberty, Ind. Milling machine attachment. 2,519,206, Aug. 15.
Van Ausdall, Carl, Liberty, Ind. Garden tractor. 2,535,614. Dec. 26.
Van Ausdall, Carl, Liberty, Ind. Garden tractor. 2,535,615. Dec. 26.
Van Beckum, Fredericus A., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Voltage stabilizing tube. 2,534,389, Dec. 19.
Van Beek, Hermanus J., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Circuit for delayed automatic amplification control. 2,521,493, Sept. 5.
Van Belle, Thomas B., Philadelphia, Pa. Laying carpets. 2,529,463, Nov. 7.
Van Benschoten, Lloyd C., Schenectady, N. Y. Pencil attachment. 2,535,823, Dec. 26.
Van Benschoten, Walter, Santa Monica, Calif. Clutch mechanism. 2,522,974, Sept. 19.
Van Berg, Charles F., Goose Creek, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Polymerizing hydrocarbons. 2,523,168, Sept. 19.
Van Bever, Edmond, Chepachet, R. I. Adjustable arbor. 2,518,508, Aug. 15.
Van Blarcom, George E., Coldwater, Mich. Air pistol. 2,526,305, Oct. 17.
Van Briggle, Howard, Los Angeles, Calif. Body preserving and burial vault unit. 2,514,684, July 11.
Van Bruggen, Marinus G.: *See*—
Verwey, Evert J. W., and van Bruggen.
Van Brunt, George H., Los Angeles, Calif. Mousetrap. 2,511,519, June 13.
Van Brunt, John Deere, Company, assignee: *See*—
Hyland, William A.
Hyland, William A., and Borngraeber.
Starr, John H.
Van Buren, Harold S., Jr., assignor to United-Carr Fastener Corporation, Cambridge, Mass. Three-side lock snap fastener. 2,523,241, Sept. 19.

Van Buren, Harry, Dallas, Tex. Copyholder. 2,533,856, Dec. 12.

Van Buskirk, Carroll F.: *See*—
Brenner, Ray A., Lenox, Shearer, Van Buskirk, and Watkins.

Van Buskirk, Edward C., and D. D. M. Streed, South Bend, and J. H. Flood, Mishawaka, Ind., assignors to United States Rubber Company, New York, N. Y. Adhesive composition and structure embodying same. 2,530,099, Nov. 14.

Van Camp, John E., Los Angeles, Calif. Chair convertible to bed. 2,503,527, Apr. 11.

Van Camp, Roscoe C., Madison, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Latch for carriage and translating device of phonographs. 2,520,290, Aug. 29.

Vance, Donald W., Pasadena, assignor to Kelite Products, Inc., Los Angeles, Calif. Aqueous composition for treating iron and steel. 2,493,327, Jan. 3.

Vance, Fred E., Sublette, Kans. Safety lock for grain elevator man lifts. 2,497,245, Feb. 14.

Vance, Robert L.: *See*—
Menzel, Paul R., Ronci, and Vance.
Morton, Jack A., and Vance.

Vance, Robert L., Westfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric discharge device. 2,515,361, July 18.

Vance, Thomas E.: *See*—
Magoun, James E., and Vance.

Vance, Walter S., assignor, by mesne assignments, to Bendix Aviation Corporation (Delaware), Detroit, Mich. Compound filter. 2,523,793, Sept. 26.

Vancil, Edgar D.: *See*—
Hassman, Fred A., and Vancil.

Vancil, Von L., Freeport, Tex. Window operator with a combined temperature and rain responsive control. 2,499,544, Mar. 7.

Van Cleve, Charles I., Lynchburg, Va. Bottom dispensing steam food conditioner. 2,532,868, Dec. 5.

Van Daele, Leon M., and J. J. Ballet, Antwerp, Belgium. System for the protection of transmission lines using alternating currents. 2,495,791, Jan. 31.

Van de Graaff, Robert J., Belmont, and W. W. Buechner, Cambridge, Mass., assignors, by mesne assignments, to Research Corporation, New York, N. Y. Apparatus for generating an accurately focused beam of charged particles and for related purposes. 2,517,260, Aug. 1.

Van Degrift, Thomas C., assignor to General Motors Corporation, Detroit, Mich. Torsional vibration indicator calibrator. 2,522,472, Sept. 12.

Van de Laar, Francis, and O. A. Robberts, assignors to Weegwerktuigenfabriek Alfra, Amsterdam, Netherlands. Pendulum scale. 2,527,042, Oct. 24.

Van de Lee, Albertus: *See*—
Vivie, Wilhelmus L. L., and van de Lee.

Vandeloo, Arthur A.: *See*—
Morrison, Willard L., Jr., and Vandeloo.

Vandemark, Fred J., Memphis, Tenn. Trailer. 2,513,604, July 4.

Van den Akker, Johannes A.: *See*—
Sears, George R., Rae, and van den Akker.

Van den Akker, Johannes A., assignor to The Institute of Paper Chemistry, Appleton, Wis. Creep testing apparatus. 2,506,048, May 2.

Van den Berg, Dirk A., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Dynamoelectric machine stator. 2,496,831, Feb. 7.

Van den Berge, Hendrik J.: *See*—
De Lange, Cornelis, Goede, and van den Berge.

Van den Blink, Willem P.: *See*—
Bienfait, Henri, van den Blink, and Boon.
Bienfait, Henri, van den Blink, Gilsing, and Jansen.

Van den Broek, Jan A., assignor to Argus, Incorporated, Ann Arbor, Mich. Reversible slide film feed. 2,505,016, Apr. 25.

Van den Broek, Jan A., assignor, by mesne assignments, to Bradfield and Bidwell, Inc., Ann Arbor, Mich. Projector. 2,534,083, Dec. 12.

Van den Broek, Jan A., assignor, by mesne assignments, to Bradfield and Bidwell, Inc., Ann Arbor, Mich. Projection apparatus. 2,534,084, Dec. 12.

Van den Broek, Wouter, Driebergen, Netherlands. Fluid current drier for grass and the like. 2,520,747, Aug. 29.

Vandenburgh, Charles D.: *See*—
Kulp, Maurice P., Vandenburgh and Chance.

Van den Bussche, Hendrik K. J., Delft, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Flame pocket fluid fuel burner. 2,515,845, July 18.

Van der Auwera, Laurent A.: *See*—
Van Dormael, André E., and van der Auwera.

Van der Auwera, Laurent A., Mortsel-Antwerp, and A. E. Van Dormael, Heverlee-Louvain, assignors to Gevaert Photo-Producten N. V., Mortsel-Antwerp, Belgium. Colored photographic layers. 2,525,052, Oct. 10.

Van Derbeck, Marie T., El Monte, Calif. Detachable coat hanger cover. 2,525,158, Oct. 10.

Vanderbeek, Willard F., assignor to Turner Brass Works, Sycamore, Ill. Lavatory leg assembly. 2,535,613, Dec. 26.

Van der Berge, Hendrik J., and C. G. Schrameyer, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Apparatus for winding wire on an annular body. 2,516,734, July 25.

Vanderbilt, Byron M.: *See*—
Frolich, Per K., Vanderbilt, and Swaney.
Serniuk, George E., and Vanderbilt.

Vanderbilt, Byron M., Westfield, N. J., and F. Bascom, Staten Island, N. Y., assignors to Standard Oil Development Company. Interpolymers of a styrene, an acrylonitrile, and a conjugated diolefin. 2,527,162, Oct. 24.

Vanderbilt, Byron M., Westfield, and J. P. Thorn, Cranford, N. J., assignors to Standard Oil Development Company. Preparation of alkali alkyl xanthates. 2,534,085, Dec. 12.

Vanderbilt, R. T., Co., Inc., assignee: *See*—
Brooks, Lester A.
Feustel, William K., and Hutchins.
Johnston, Norman F.
Russell, William F.
Wheeler, Gordon K.

Vander Clute, William W., assignor to Round Root Corporation, Elizabeth, N. J. Welded coupling. 2,495,615, Jan. 24.

Vandergriff, Arvel L., Columbus, Ga., assignor to Lummus Cotton Gin Company. Belt tightener. 2,513,436, July 4.

Vandergrift, Ercel C., Sr., and A. Naffin, Detroit, Mich. Crane arrangement for wrecking trucks. 2,497,379, Feb. 14.

Van der Heem, Jan, assignor, by mesne assignments, to J. van der Heem, Voorburg, and Van der Heem N. V., The Hague, Netherlands. Pipe connection. 2,500,720, Mar. 14.

Van der Heem, Jan, Voorburg, assignor to Van Der Heem, N. V., The Hauge, Netherlands. Locking mechanism for the hose connecting member for suction cleaners. 2,522,075, Sept. 12.

Van Der Heem, N. V., assignee: *See*—
Van der Heem, Jan.

Vanderhide, Robert E., Cleveland Heights, Ohio. Automatic drilling machine. 2,524,149, Oct. 3.

Van der Hoeven, Bernard J. C., Beaver, assignor to Koppers Company, Inc., Pittsburgh, Pa. Heat control in catalytic hydrogenation reactions. 2,515,279, July 18.

Vanderhoofven, Leonard, Sr., assignor of fifty percent to E. E. Dunston, Delta, Colo. Radially arranged rotary disk slicer for cored fruit. 2,518,962, Aug. 15.

Van De Riet, George, Chicago, Ill. Cabinet having closure-operated tray. 2,523,976, Sept. 26.

Vanderjagt, Barend G. H.: *See*—
Van der Jagt, Barend G. H.

Van der Jagt, Barend G. H., Washington, D. C., now by change of name B. G. H. Vanderjagt. Making upholstery material from palmetto fibers. 2,520,483, Aug. 29.

Van der Knaap, Pieter D., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Mixing circuit. 2,512,399, June 20.

Vander Linden, Frank A.: *See*—
Murphy, Frank L., and Vander Linden.

Van der Mark, Jan, A. Venis, G. P. Roszbach, and L. Blok, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Pulsing arrangement. 2,509,998, May 30.

Vandermark, Louis H.: *See*—
Tornquist, William R., and Vandermark.

Vandermark, Louis H., Augusta, Ga. Necktie. 2,495,614, Jan. 24.

Van der Meer, Willem A.: *See*—
Lolkema, Jan, and van der Meer.

Van der Poel, Johannes M., Eindhoven, Netherlands, assignor to General Electric Company. Gas-filling and sealing vessels. 2,494,915, Jan. 17.

Vanderpool, Clarence D., Jr., Towanda, Pa. Fishing line float. 2,530,100, Nov. 14.

Van der Pyl, Edward: *See*—
Jeppson, George N., and Van der Pyl.
Jeppson, George N., Van der Pyl, and Howe.

Van der Rohe, Ludwig M., and W. Peterhans, Chicago, Ill. Apparatus for the production of dot-composed negatives. 2,532,585, Dec. 5.

Vander Schuur, Cornelius, and J. Hoogerhyde, assignors to Hoogerhyde Metal Products Company, Grand Rapids, Mich. Bean stacker. 2,500,441, Mar. 14.

Van der Schuur, John K., Oakland, Calif. Clamp glide. 2,494,676, Jan. 17.

Van Der Sluys, William, Detroit, assignor, by mesne assignments, to Chrysler Corporation, Highland Park, Mich. Link stabilized railway truck. 2,498,745, Feb. 28.

Van der Spek, Johannes J., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Contact pin for electric discharge tubes. 2,509,709, May 30.

Van der Tuuk, Jacob H., and J. J. Smit, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. X-ray tube. 2,496,112, Jan. 31.

Van der Tuuk, Jacob Hermannus, and B. Combee, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Rotary X-ray tube. 2,499,545, Mar. 7.

Vanderveld, Anthony, assignor to Grand Rapids Store Equipment Company, Grand Rapids, Mich. Sliding door lock. 2,512,217, June 20.

Vander Velde, Edward J., Huntington Woods, assignor to Vickers Incorporated, Detroit, Mich. Unloading valve. 2,495,879, Jan. 31.

Vandervell Products Limited, assignee: *See*—
Green, David F., and Salmon.

Vander Weele, John C.: *See*—
Britton, Edgar C., Vander Weele, and Livak.

Vander Weele, John C., assignor to The Dow Chemical Company, Midland, Mich. Production of beta-methylmercaptopropionaldehyde. 2,521,677, Sept. 12.

Van der Werff, Willem, Haarlem, assignor to Werkspoor N. V., Amsterdam, Netherlands. Centrifugal bowl separator. 2,495,950, Jan. 31.

Van der Willigen, Paul C., and S. D. Boon, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Article for electric arc welding one metallic workpiece to another. 2,509,999, May 30.

Van der Willigen, Paul C., and S. D. Boon, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Method and article for electric arc welding one metallic workpiece to another. 2,510,000, May 30.

Van der Woude, Fritz R., assignor to The General Industries Company, Elyria, Ohio. High-inertia phonograph turntable. 2,505,264, Apr. 25.

Van der Zalm, Willem: *See*—
Plusje, Mathijs H. R. J., and van der Zalm.

Vander Zanden, Clarence J., Banks, Oreg. Retractable rudder. 2,532,042, Nov. 28.

Vanderzee, Harry H., assignor to Ami, Incorporated, Grand Rapids, Mich. Card title holder. 2,519,299, Aug. 15.

Van der Ziel, Aldert: *See*—
Alma, Gerrit H. P., Knol, Kuiper, Prakke, Strutt, and van der Ziel.
Knol, Kornelis S., Strutt, van der Ziel, and van Weel.
Knol, Kornelis S., and van der Ziel.
Strutt, Maximiliaan J. O., and van der Ziel.
Strutt, Maximiliaen J. O., Van der Ziel, and Knol.

Van der Ziel, Aldert, and M. J. O. Strutt, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Mixer circuit. 2,503,780, Apr. 11.

Van Deventer, Harry R., New York, N. Y. Telephone-phonograph system. 2,501,486, Mar. 21.

Van Deventer, Ralph E., assignor to Packard Motor Car Company, Detroit, Mich. Conditioning metal members for a welding operation. 2,495,150, Jan. 17.

Vandeveer, Boyd K.: *See*—
Kinney, Wesley R., and Vandeveer.

Van de Weg, Hendrik: *See*—
De Jager, Frank, and van de Weg.
Staal, Cornelis J. H. A., and van de Weg.

Van de Ziel, Aldert: *See*—
Knol, Kornelis S., Strutt and van der Ziel.

Vandier, Jacques, assignor to Office Technique International (O. T. I.), Paris, France. Fastening arrangement between two members designed to fit into one another. 2,493,277, Jan. 3.

Van Dijck, Willem J. D., The Hague, and L. A. Ginsel, Nootdorp, assignors to Nederlandsche Centrale Organisatie Voor Toegepast-Natuurwetenschappelijk Onderzoek, The Hague, Netherlands. Apparatus for measuring radiation. 2,496,239. Jan. 31.

Van Dijck, Willem J. D., the Hague, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Incorporation of hydrophilic material into organic media. 2,515,145, July 11.

Van Dijk, Edsger W., Rotterdam, assignor to E. R. Timmerbell, Arnhem, Netherlands. Stapling machine. 2,500,721, Mar. 14.

Vandiver, William R., Tulsa, Okla. Multiple gas burner. 2,497,104. Feb. 14.

Van Dolah, Robert W., Wyoming, G. L. Christenson, Cincinnati, and R. S. Shelton, Mariemont, Ohio, assignors, by mesne assignments, to Chas. Pfizer & Co., Inc. Purification of antibiotics by ion exchange procedures. 2,528,022, Oct. 31.

Van Dongen, Leendert F. K., Habana, Cuba, assignor to Foster Wheeler Corporation, New York, N. Y. Treatment of rock asphalt oil shales, and like material. 2,524,859, Oct. 10.

Van Doorne, Hendrik, and W. G. Sanders, Amsterdam, Netherlands. Set shift device. 2,510,439, June 6.

Van Dormael, André E.: *See*—
Van der Auwera, Laurent A., and Van Dormael.

Van Dormael, André E., Heverlee-Louvain, and L. A. Van der Auwera, assignors to Gevaert Photo-Producten N. V., Mortsel-Antwerp, Belgium. Producing antihalation photographic article. 2,529,890, Nov. 14.

Van Dormael, André E., Heverlee (Louvain), assignor to Gevaert Photo-Producten N. V., Antwerp-Mortsel, Belgium. N-acetonyl-pyridinium chloride as an azo coupling component in diazotypes. 2,531,091, Nov. 21.

Van Dornick, Edward M., Buena Vista, Calif, assignor to Arabian American Oil Company, New York, N. Y. Separator. 2,533,977, Dec. 12.

Van Dorp, David A., and J. F. Arens, Oss, Netherlands, assignors to Organon, Inc., Orange, N. J. Making C_{18} unsaturated ketone related to vitamin A. 2,525,568, Oct. 10.

Van Dusen, Charles H., Jr., Willoughby, Ohio, assignor to Addressograph-Multigraph Corporation, Wilmington, Del. Planographic repellent solution and preparing the same. 2,515,536, July 18.

Van Dusen Engineering Company, assignee: *See*—
Van Dusen, Laurence W.

Van Dusen, Frederick J., and W. A. Burke, New York, N. Y. Device for swinging ships. 2,531,484, Nov. 28.

Van Dusen, Laurence W., assignor to Van Dusen Engineering Company, San Diego, Calif. Juice extractor. 2,518,650, Aug. 15.

Van Duuren, Hendrik C. A., Wassenaar, Netherlands. Signal storing and code converting radio telegraph system. 2,518,405, Aug. 8.

Van Duyn, Adrianus, Hillegersberg, Netherlands, assignor to U. S. Slicing Machine Company, Inc. Food clamping device for food slicers. 2,505,345, Apr. 25.

Van Duyn, Adrianus, Hillegersberg, Netherlands, assignor to U. S. Slicing Machine Company, Inc., La Porte, Ind. Slicing machine food carriage. 2,520,110, Aug. 22.

Van Duzer, Clarence E., assignor to R. A. Van Duzer, Cleveland, Ohio. Adjustable light shield for trouble lamp guards. 2,510,001, May 30.

Van Duzer, Richard A., assignee: *See*—
Van Duzer, Clarence E.

Van Dyck, Kenneth A.: *See*—
Crapsey, Arthur H., Jr., and Van Dyck.

Van Dyke Instruments, Inc., assignee: *See*—
Van Dyke, William D.

Van Dyke, Louise, Chattanooga, Tenn., and W. D. Van Dyke, Glendale, Calif., assignors to Van Dyke Textigraph Company, Chattanooga, Tenn. Turfing device. 2,527,163, Oct. 24.

Van Dyke Textigraph Company, assignee: *See*—
Van Dyke, Louise and W. D.

Van Dyke, William D.: *See*—
Van Dyke, Louise and W. D.

Van Dyke, William D., assignor to Van Dyke Instruments, Inc., Tarzana, Calif. Indicating device. 2,532,970, Dec. 5.

Van Eastenbridge, John L., Richmond Hill, N. Y. Ash tray and lamp structure. 2,508,202, May 16.

Van Eck, Arthur T., Grand Rapids, Mich. Welding gun. 2,519,614, Aug. 22.

Van Eck, Herman C.: *See*—
Shipley, Calvin W., and Van Eck.

Van Eldik, Pieter F.: *See*—
Alma, Gerrit H. P., and Van Eldik.
Buys, Pieter K., and van Eldik.

Van Embden, Hendrik J. M.: *See*—
Holst, Gilles, and van Embden.

Van Eps, Fred, Plainfield, N. J. Device for cutting the terminal eccentric run-out groove on phonograph records. 2,493,511, Jan. 3.

Van Ess, Paul R.: *See*—
Griffin, John R., Jr., and Van Ess.

Vanet, Paul: *See*—
Veyret, Louis, and Vanet.

Vanet, Paul, Le Vesinet, assignor to La Cellophane, Paris, France. Drafting instrument. 2,524,642, Oct. 3.

Van Every, Bliss: *See*—
Scriven, Alonson E., and Van Every.

Van Every, Bliss E., assignor to Colonial Radio Corporation, Buffalo, N. Y. Touch latch. 2,517,059, Aug. 1.

Van Every, Earl E., Butler, Pa. Outside tubing packer. 2,516,034, July 18.

Van Eyck, Benjamin, Muskegon, Mich. Foundation machine. 2,526,176, Oct. 17.

Van Fleet, Paul T., Harrodsburg, Ky. Carton opener. 2,505,161, Apr. 25.

Vang, Alfred, New York, N. Y. High-frequency radiant heating. 2,521,955, Sept. 12.

Van Geel, Willem C., and A. J. Dekker, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Blocking-layer cell. 2,501,798, Mar. 28.

Van Gelder, John, Oklahoma City, Okla. Brace and adjuster for rearview mirrors. 2,526,306, Oct. 17.

Van Gelder, Zeger, and A. J. W. M. van Overbeek, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn. as trustee. Circuit arrangement comprising a cathode-ray tube. 2,532,747, Dec. 5.

Van Gessel, Karel M., Scarsdale, assignor, by mesne assignments, to Philips Laboratories, Inc., Irvington on Hudson, N. Y. Electrical discharge device. 2,508,979, May 23.

Van Gilder, Carll F.: *See*—
Schneider, Helmuth G., Van Gilder, and Peters.

Van Gilder, Carll F., Roselle, and T. J. Peters, Jr., Somerville, N. J., assignors to Standard Oil Development Company. Purification of phenols. 2,499,236, Feb. 28.

Van Gilder, Carll F., Roselle, N. J., assignor to Standard Oil Development Company. Stabilization of low unsaturation isoolefinic copolymers. 2,500,780, Mar. 14.

Vangor, William, Bridgeport, Conn. Micrometer height gauge. 2,535,881, Dec. 26.

Van Gorcum, Adriaan H.: *See*—
Bouwers, Albert, Becker, and van Gorcum.

Van Halteren, Andrew S., East Lansing, assignor to Motor Wheel Corporation, Lansing, Mich. Brake drum. 2,493,173, Jan. 3.

Van Ham, Ernest E., assignor to Jerguson Gage & Valve Company, Somerville, Mass. Liquid level indicating gauge. 2,510,729, June 6.

Van Hartesveldt, Carroll H., Rosemont, Pa., assignor to Thompson Products, Inc., Cleveland, Ohio. Antidetonant fuel. 2,504,361, Apr. 18.

Van Heeckeren, Willem J.: *See*—
Rinia, Herre. de Brey, Van Weenen, Boers, Sypkens. and van Heeckeren.

Van Heeckeren, William J., Eindhoven, Netherlands, assignor to Hartford National Bank & Trust Co., Hartford, Conn., as trustee. Hot-gas engine with means to prevent heating of cooler upon stoppage. 2,508,314, May 16.

Van Heeckeren, Willem J., Eindhoven, Netherlands, assignor to Hartford National Bank & Trust Co., Hartford, Conn., as trustee. Reciprocating engine with start-run conditioning means. 2,515,933, July 18.

Van Heek, Theodore, North Bergen, N. J. Manufacturing crushed velvet. 2,524,119, Oct. 3.

Van Hofweegen, Johannes M., and K. S. Knol, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Circuit arrangement for the transmission of ultra high frequency electrical oscillations. 2,502,766, Apr. 4.

Van Hook, John O.: *See*—
Croxall, Willard J., and Van Hook.

Van Hook, John O., Philadelphia, and W. J. Croxall, Bryn Athyn, assignors to Rohm & Haas Company, Philadelphia, Pa. Production of esters of beta-alkoxy-gamma-aminocrotonates. 2,525,084, Oct. 10.

Van Hook, John O., Philadelphia, and W. J. Croxall, Bryn Athyn, assignors to Rohm & Haas Company, Philadelphia, Pa. Preparation of aryl diketones. 2,530,273, Nov. 14.

Van Hoorn, Adriaan J., London, England, assignor to The Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Method and composition for coating cathode-ray tubes. 2,496,901, Feb. 7.

Van Horn, Earl, East Williston, N. Y. Roller skate truck. 2,509,324, May 30.

Van Horn, Harry T., Highland Park, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Glazing compositions. 2,508,735, May 23.

Van Horn, Irving H., East Cleveland, Ohio, assignor to General Electric Company. Electric lamp with blackening collector. 2,494,916, Jan. 17.

Van Ingen Schenau, Bernard W.: *See*—
Haantjes, Johan, and van Ingen Schenau.

Van Issum, Hans: *See*—
Fuhrhop, Wilhelm F., and Van Issum.

Vanity Corset Company Inc., assignee: *See*—
Mayer, Milton.

Vanity Fair Mills, Inc., assignee: *See*—
Amidon, Roy C.
Young, George O.

Van Kirk, William: *See*—
Linkletter, Harry, and Van Kirk.

Van Kouwen, Bernard L.: *See*—
Kronouer, Johan G., and Van Kouwen.

Van Lammeren, Johannes A., Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Spring operated flashlamp synchronizer having automatic resetting means. 2,502,541, Apr. 4.

Van Langen, Gerrit K., Grand Rapids, Mich. Trailer handling device. 2,515,575, July 18.

Van Lare, Earl, and L. G. S. Brooker, assignors to Eastman Kodak Company, Rochester, N. Y. Pyrrole dimethinecyanine dyes. 2,515,912, July 18.

Van Leer, Oscar, Tujunga, and M. A. Zook, Jr., Rosemead, assignors, by mesne assignments, to Pacific Universal Products Corporation, Pasadena, Calif. Method and apparatus for producing optical coatings. 2,532,971, Dec. 5.

Van Leeuwen, Cornelis J., assignee: *See*—
Roelofs, Roelof.

Van Lennep, Gustav J., Washington, D. C. Ice tray and cover. 2,503,693, Apr. 11.

Van Lennep, Gustav J., Washingotn, D. C. Ice tray. 2,531,714, Nov. 28.

Van Liempt, Johannes A. M., Eindhoven, Netherlands, assignor to General Electric Company, Schenectady, N. Y. Fuse lead for electric lamps. 2,494,917, Jan. 17.

Van Lijf, Antonius H. V., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Stator for electric machines. 2,528,023, Oct. 31.

Van Loenen, William F.: *See*—
Fieser, Louis F., and Van Loenen.

Van Loenen, William F., Los Altos, Calif., assignor to Kaiser Aluminum & Chemical Corporation. Incendiary. 2,509,710, May 30.

Van Loenen, William F., Los Altos, Calif., assignor, by mesne assignments, to Kaiser Aluminum & Chemical Corporation. Incendiary composition. 2,530,489, Nov. 21.

Van Loenen, William F., Los Altos, Calif., assignor, by mesne assignments, to Kaiser Aluminum & Chemical Corporation. Making incendiary compositions. 2,530,490, Nov. 21.

Van Loenen, William F., Los Altos, Calif., assignor, by mesne assignments, to Kaiser Aluminum & Chemical Corporation. Incendiary composition. 2,530,491, Nov. 21.

Van Loenen, William F., Los Altos, Calif., assignor, by mesne assignments, to Kaiser Aluminum & Chemical Corporation. Making incendiary compositions. 2,530,492, Nov. 21.

Van Loenen, William F., Laurel, Calif., assignor to Kaiser Aluminum & Chemical Corporation. Magnesium-containing incendiary composition and producing same. 2,530,493, Nov. 21.

Van Loo, William J., Jr.: *See*—
Burnell, Maurice R., and van Loo.

Van Loon, Carel J., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Negative feedback amplifier, including automatic volume control. 2,523,403, Sept. 26.

Van Loon, Carel J., and W. Beukema, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Radio receiver with condenser tuning. 2,494,677, Jan. 17.

Van Loon, Carel J., and J. J. Schurink, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Superheterodyne radio receiver with image-frequency suppression. 2,510,002, May 30.

Van Loon, Carel J., and H. A. Broos, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Low-frequency amplifying circuits with negative feedback. 2,530,101, Nov. 14.

Van Loon, Carl S., Salina, Kans. Sharpener for meat block scrapers. 2,534,486, Dec. 19.

Van Marwijk Kooij, Marinus, De Bilt, and A. H. Stomps, Utrecht, Netherlands. Pressure vessel for liquids such as beer and other beverages. 2,512,105, June 20.

Van Mater, Henry L., Highland Park, N. J., assignor, by mesne assignments, to National Lead Company, New York, N. Y. Zirconium compound deodorant and antiperspirant. 2,498,514, Feb. 21.

Van Meter, Clarence T., Arlington, and J. A. Bianculli, assignors to Reed & Carnrick, Jersey City, N. J. Organic iron-alkali metal complexes. 2,503,781, Apr. 11.

Van Mierlo, Stanislas, Paris, France, assignor to International Standard Electric Corporation, New York, N. Y. Pulse intercommunication telephone system. 2,520,185, Aug. 29.

Van Mierlo, Stanislas, Antwerp, Belgium, assignor to International Standard Electric Corporation, New York, N. Y. Selective signaling equipment only operative by two-voice frequencies. 2,535,104, Dec. 26.

Van Millingen, Vivian, San Francisco, Calif. Landing net. 2,501,975, Mar. 28.

Van Nest, Francis H., Marblehead, Mass., assignor to General Electric Company. Frame structure for turbine-generator prime movers. 2,531,178, Nov. 21.

Vanni, Pierre G., assignor to Sebem S. A., Neuchatel, Switzerland. Apparatus for feeding liquid fuel to internal-combustion engines. 2,521,270, Sept. 5.

Van Norden, Ottomar H., New York, N. Y., assignor to Metakloth Company, Lodi, N. J. Filter cloth and preparing same. 2,528,847, Nov. 7.

Van Norman, Stefan D., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Aircraft gun mount. 2,511,183, June 13.

Van Oberbeek, Adrianus J. W. M., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Mixing detector circuit for detecting frequency-modulated oscillations. 2,531,866, Nov. 28.

Van Orden, Leo J.: *See*—
Dickinson, John T., Morfit, and Van Orden.

Van Orsdale, Val A., Hunter, assignor to West Fargo Manufacturing Company, West Fargo, N. Dak. Mechanical truck and trailer hoist. 2,500,440, Mar. 14.

Van Oss, John, Green Bay, Wis. Valved catch basin for drains. 2,504,474, Apr. 18.

Van Overbeek, Adrianus J. W. M.: *See*—
Cupido, Piet Marinus, Gall, Jonker, and van Overbeek.
Van Gelder, Zeger and van Overbeek.

Van Overbeek, Adrianus J. W. M., and J. Dorrestijn, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Multigrid electron discharge tube. 2,532,869, Dec. 5.

Van Patten Pharmaceutical Company, assignee: *See*—
Ferguson, Edgar A., Jr.

Van Pietersom, Harold M., Milwaukee, and F. L. Obst, Wauwatosa, Wis. Lighter. 2,507,839, May 16.

Van Ranst, Cornelius W., Dearborn, Mich. Air-cooled engine. 2,509,178, May 23.

Van Ranst, Cornelius W., and W. D. Smith, Dearborn, Mich.; said Smith assignor, by mesne assignments, to said Van Ranst. Fuel pump. 2,529,204, Nov. 7.

Van Rosen, Robert, New York, N. Y., assignor to J. Makowsky Corporation. Carton. 2,515,026, July 11.
Van Ryan, Anthony: *See*—
Kyle, William D., Jr., and Van Ryan.
Van Ryan, Anthony, South Milwaukee, Wis., assignor to McGraw Electric Company. Circuit interrupter. 2,521,194, Sept. 5.
Van Ryan, Anthony, South Milwaukee, and M. Rigert, Milwaukee, Wis., assignors to McGraw Electric Company. Circuit testing repeating circuit breaker. 2,528,194, Oct. 31.
Van Sciver, Herbert D., II: *See*—
Callender, Edwin M., and Van Sciver.
Van Sciver, Herbert D., II, Merion, and J. J. MacKinney, Narberth, assignors to The Budd Company, Philadelphia, Pa. Method and apparatus for welding quench-hardenable steels. 2,508,329, May 16.
Van Scoyk, Melvin W., assignor to Winner Equipment Company, Denver, Colo. Vulcanizing mold press. 2,529,522, Nov. 14.
Van Scoyk, Melvin W., assignor to Winner Equipment Company, Denver, Colo. Vulcanizing spot press. 2,530,411, Nov. 21.
Van Sickle, George A.: *See*—
Arrighini, Artil, and Van Sickle.
Van Sickle, Roswell C.: *See*—
Baker, Benjamin P., Shriver, and Van Sickle.
Van Sickle, Roswell C., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter with speed control of contact. 2,534,933, Dec. 19.
Van Sittert, Paul, Shaker Heights, Ohio, assignor, by mesne assignments, to Reed Roller Bit Company, Houston, Tex. Impact wrench. 2,514,914, July 11.
Van Slooten, Jacob, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Amplitude limiter. 2,511,656, June 13.
Van Steenbrugghe, Henri, Paris, France. Dismountable articulating part for surgical or other instruments. 2,530,136, Nov. 14.
Van Steenis, Otto L.: *See*—
Roovers, Wilhelmus A., Prakke, van Steenis, and De Jong.
Roovers, Wilhelmus A., Veenemans, and van Steenis.
Van Steenis, Otto L., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Multiple electrode discharge tube. 2,502,808, Apr. 4.
Van Sweringen, Harry M., assignor to Chicago Railway Equipment Company, Chicago, Ill. Railway brake beam structure. 2,508,658, May 23.
Van Tassell, Raymond D., Indianapolis, Ind. Vulcanizer and method. 2,510,354, June 6.
Van Tassel, Harry C., Swissvale, and P. M. Brannen, Duquesne, assignors to The Union Switch & Signal Company, Swissvale, Pa. Remote control and indication system. 2,520,865, Aug. 29.
Van Tassel, James, assignor to Alert Development Corporation, Santa Ana, Calif. Expansible trailer. 2,519,517, Aug. 22.
Vant, Isadore N., Chicago, Ill. Meat grinder. 2,524,860, Oct. 10.
Van Tol, Martinus: *See*—
Kleis, Derk, van Tol, Bourgonjon, and Sloof.
Van Urk, Arend T., Eindhoven, Netherlands, assignor to Hartford National Bank & Trust Co., Hartford, Conn., as trustee. Moving-coil system without core for a luxmeter comprising a selenium cell. 2,505,265, Apr. 25.
Van Valkenburg, Hermon L., Wauwatosa, Wis., assignor to Square D Company, Detroit, Mich. Electric switch. 2,513,695, July 4.
Van Velsor, Clarence E., Berkeley, Calif. Phone attached radio silencing device. 2,498,349, Feb. 21.
Van Vlaanderen Machine Company, assignee: *See*—
Eberhardt, Herman.
Van Vleck, Robert D., Burbank, Calif. Ice machine. 2,522,651, Sept. 19.
Van Vliet, Paul D.: *See*—
Jordan, Wayne D., and Van Vliet.
Van Voorhis, George S., Easthampton, Mass. Rubber thread package. 2,511,655, June 13.
Van Voorhis, William G., assignor to The Jaeger Machine Company, Columbus, Ohio. Forward and reverse transmission control system. 2,503,891, Apr. 11.
Van Voorhis, William G., assignor to The Jaeger Machine Company, Columbus, Ohio. Differential driving and steering mechanism. 2,521,658, Sept. 5.
Van Voorhis, William G., and A. J. Heider, Columbus, Ohio. Hydraulically-actuated apparatus for expressing liquids from floor mops. 2,535,244, Dec. 26.
Van Voorst, George, asisgnor to Rutherford Food Corporation, Kansas City, Mo. Tamale forming machine. 2,532,131, Nov. 28.
Van Vulpen, John: *See*—
Lehane, Timothy J., and Van Vulpen.
Van Voorhis, William G., Knutsen, Iowa, and C. Gerst, Dearborn, Mich., assignors to The Jaeger Machine Company, Columbus, Ohio. Variable ratio forward and reverse drive means. 2,503,928, Apr. 11.
Van Wageningen, Johan H.: *See*—
Wiegerinck, Hendrikus T. J., and van Wageningen.
Van Waveren, Hendrik, Eindhoven, Netherlands. Roof covering. 2,522,413, Sept. 12.
Van Weel, Adelbert: *See*—
Knol, Kornelis S., Strutt, van der Ziel, and van Weel.
Van Weel, Adelbert, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Secondary emission amplifying tube circuit. 2,497,640, Feb. 14.
Van Weel, Adelbert, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Transceiving circuit arrangement. 2,503,782, Apr. 11.
Van Weel, Adelbert, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Transmitting-receiving circuit arrangement for short waves. 2,505,655, Apr. 25.
Van Weenen, Franciscus L.: *See*—
Rinia, Herre, de Brey, van Weenen, Boers, Sypkens, and van Heeckeren.
Van Weenen, Franciscus L., and W. H. Stigter, Eindhoven, Netherlands, assignors to Hartford National Bank & Trust Company, Hartford, Conn., as trustee. Hot gas motor with phase changer. 2,508,315, May 16.
Van Wert, William B., Peckville, Pa. Boiler. 2,507,232, May 9.
Van Westen, Hendrik A.: *See*—
Hartstra, Lenze, Bakker, and van Westen.
Van Wey, V. R., assignee: *See*—
Hayes, Paul V.
Van Winkle, Elmore, La Porte, Ind. Stair layout tool. 2,494,462, Jan. 10.
Van Winkle, John L.: *See*—
Ballard, Seaver A., Morris, and Van Winkle.
Morris, Rupert C., and Van Winkle.
Van Winkle, Marshall, Jr., Oceanport, N. J. Socket wrench provided with a staking or peening device. 2,525,386, Oct. 10.
Van Wyk, Adrian, assignor to Gallmeyer & Livingston Company, Grand Rapids, Mich. Drill point thinning attachment. 2,524,279, Oct. 3.
Van Yzeren, Ewoud A.: *See*—
Gusdorf, Frederik H., and van Yzeren.
Van Zandt, Gertrude, Austin, Tex., and L. G. S. Brooker, assignors to Eastman Kodak Company, Rochester, N. Y. 2-methyl-5-phenylbenzothiazole and quaternary salts thereof. 2,515,913, July 18.
Van Zeeland, Frederick J.: *See*—
Zimmerman, Harold L., and Van Zeeland.
Van Zoeren, Gerritt J., Holland, Mich., assignor to The Wm. S. Merrell Company, Cincinnati, Ohio. Cyclic amines and making them. 2,520,516, Aug. 29.
Vapor Heating Corporation, assignee: *See*—
Clarkson, Alick.
Holthouse, Harry B.
Lehane, Timothy J.
Lehane, Timothy J., and Burgess.
Lehane, Timothy J., and Johnson.
Lehane, Timothy J., and Van Vulpen.
Read, Frederick H. E., and Smith.
Russell, Edward A., and Rutherford.
Smith, William M.
Varatio-Strateline Gears Limited, assignee: *See*—
Barrett, Guy.
Varcoe, Earl V., Roxborough, Pa., assignor of one-half to P. H. Hoffken. Drive mechanism for self-propelled vehicles. 2,527,281, Oct. 24.
Varda, Eugène J. Paris, France. Crane and the like apparatus mounted on rails. 2,526,307, Oct. 17.
Varden Dress, Inc,, assignee: *See*—
Klein, Ben, and Miller.
Varden, Lloyd E., assignor to Pavelle Color Incorporated, New York, N. Y. Photographic exposure timing. 2,501,365, Mar. 21.
Varela, Arthur A., Washington, D. C. Pulse receiver. 2,519,419, Aug. 22.
Varela, Constantino E. D., Buenos Aires, Argentina. System of hinged members. 2,505,509, Apr. 25.
Varga, Frank, Calgary, Alberta, Canada. Pivot straightening device. 2,505,924, May 2.
Varga, Joseph, Cleveland, assignor to A. J. Ganim, Shaker Heights, Ohio. Liquid dispenser. 2,507,840, May 16.
Varian, Russell H.: *See*—
Hansen, William W., and Varian.
Varian, Russell H., Garden City, N. Y., assignor to The Sperry Corporation. Vacuum gauge. 2,501,702, Mar. 28.
Varian, Russell H., Garden City, N. Y., assignor to The Board of Trustees of the Leland Stanford Junior University, Stanford University, Calif. Thermionic vacuum tube and circuit. 2,519,420, Aug. 22.
Varian, Russell H., assignor to The Board of Trustees of The Leland Stanford Junior University, Stanford University, Calif. Electrical converter. 2,511,886, June 20.
Varian, Russell H., Palo Alto, Calif., assignor to The Sperry Corporation. Stable platform. 2,517,612, Aug. 8.
Varian, Sigurd F., Garden City, N. Y., assignor to The Sperry Corporation. High-frequency tube structure with frequency control. 2,515,280, July 18.
Varian, Sigurd F., Garden City, N. Y., assignor to The Sperry Corporation. Filament forming method. 2,516,930, Aug. 1.
Varian, Sigurd F., and E. L. Ginzton, Garden City, N. Y., assignors to The Sperry Corporation. High-frequency electroexpansive tuning apparatus. 2,493,046, Jan. 3.

Varian, Sigurd F., Garden City, and E. L. Ginzton, Wantagh, N. Y., assignors to The Sperry Corporation. Electronic apparatus of the cavity resonator type. 2,514,428, July 11.

Varney, Fred M., Washington, D. C. Manually supported and self-propelled pulling device. 2,526,714, Oct. 24.

Varnum, Edward W., North Brookfield, assignor, by mesne assignments, to Albert & J. M. Anderson Manufacturing Company, South Boston, Mass. Electrical connector. 2,506,979, May 9.

Varone, Ralph A., Audubon, N. J., assignor to Radio Corporation of America. Permeability-tuned variable-frequency amplifier. 2,517,741, Aug. 8.

Vars, Ethan W., assignor, by mesne assignments, to The Aldon Products Company, Duncannon, Pa. Wet grinding knife sharpener. 2,496,139, Jan. 31.

Vasel, Gutav A., Elkins Park, Pa. Apparatus for grinding, mixing, and kneading materials. 2,509,379, May 30.

Vasselli, Anthony J., Newark, N. J., assignor to Radio Corporation of America. Lead wire straightening machine. 2,493,560, Jan. 3.

Vasquez, C. Juan, San Francisco, Calif. Varicolored ring spinning toy. 2,527,109, Oct. 24.

Vasquez, John G., Hartford, Conn. Magnetic retainer. 2,521,885, Sept. 12.

Vassy, Etienne, Paris, France. Automatic recording microphotometer. 2,496,967, Feb. 7.

Vassy, Etienne, Paris, France. Device for comparing with a common physical receiving means, two radiations of similar character and subsidiarily recording the ratio between said radiations. 2,512,122, June 20.

Vassy, Etienne, Paris, France. Facilitating the focusing of certain devices comprising a projection system, such as microphotometers. 2,528,923, Nov. 7.

Vassy, Etienne, Paris, France. Automatic registering microphotometer. 2,528,924, Nov. 7.

Västra Sveriges Dentaldepot, assignee: *See*—
Gustafson, Gösta K. G.

Vath, Harold J.: *See*—
De Phillips, Henry A., and Vath.

Vaudoux, Henry, and E. Torcheux, Paris, France, assignors to Societe Francaise Radio-Electrique. Fixed frame aerial for aircraft radiogoniometry. 2,509,750, May 30.

Vaughan, Daniel J., Euclid, Ohio, assignor to General Electric Company. Lamp base. 2,515,747, July 18.

Vaughan, David M., Jefferson County, assignor to Robbins Incubator Co., Denver, Colo. Control switch. 2,516,163, July 25.

Vaughan, H. E., assignee: *See*—
Jamerson, David R.

Vaughan Knitting Company, Inc., The, assignee: *See*—
Schaefer, John H., Jr.

Vaughan, William E.: *See*—
Harman, Denham, and Vaughan.
Rust, Frederick F., Stiles, and Vaughan.
Rust, Frederick F., Vaughan, and Seubold.
Rust, Frederick F., Vaughan, and Wheatcroft.

Vaughan, William E., Berkeley, and F. F. Rust, Oakland, assignors to Sheel Development Company, San Francisco, Calif. Halogenated di-tertiary-alkyl peroxides. 2,501,967, Mar. 28.

Vaughan, William E., and D. Harman, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Polymeric oxide lubricant containing organic disulfide. 2,520,748, Aug. 29.

Vaughan, William E., and F. F. Rust, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Photochemical reaction of unsaturated ethers with hydrogen sulfide. 2,522,589, Sept. 19.

Vaughan, William E., and F. F. Rust, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Photochemical reaction of unsaturated ethers with aliphatic mercaptans. 2,522,590, Sept. 19.

Vaughn, Everett W.: *See*—
Davis, Charles P., Jr., Guentner, Wagner, and Vaughn.
Moran, Edward F., and Vaughn.

Vaughn, Harris E., Reno, Nev. Window. 2,515,537, July 18.

Vaughn, John E., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Railway freight car roof. 2,513,829, July 4.

Vaughn, John I., Webster Groves, Mo., assignor to General Railway Signal Company, Rochester, N. Y. Automatic field start control for code type communication systems. 2,506,527, May 2.

Vaughn Machinery Company, The, assignee: *See*—
McIlvried, Edwin J.

Vaughn, Ralph H., and C. M. Loflen, Oak Ridge, Tenn. Fish lure. 2,529,642, Nov. 14.

Vaughn, Thomas O.: *See*—
Vaughn, Wesley D. and Thomas O.

Vaughn, Wesley D. and T. O., Vernon, Tex. Baled hay loading machine. 2,495,647, Jan. 24.

Vaughn, William R.: *See*—
Botner, John L., and Vaughn.

Veale, Charles C., Wheaton, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Die-casting apparatus. 2,494,071, Jan. 10.

Veatch, Franklin, Cleveland, and M. M. Fink, Parma, Ohio. Adding device. 2,499,237, Feb. 28.

87049 P - 48

Veatch, James P., Arlington, Va., and W. J. Hoffert, Santa Ana, Calif. Aperiodic radio receiver. 2,513,384, July 4.

Veazie, Edmund A.: *See*—
Gronros, Warren, and Veazie.

Vecharella, W. J., assignee: *See*—
Augustine, Heinz.

Vedensky, Dmitri, Berkeley, Calif., assignor to Pacific Bridge Company. Electrolyzing of chrome solutions to recover chrome. 2,504,095, Apr. 11.

Vedovell, Rudolph J., Kenilworth, assignor to Chicago Rawhide Manufacturing Company, Chicago, Ill. Seal. 2,521,102, Sept. 5.

Vedovell, Rudolph J., Kenilworth, assignor to Chicago Rawhide Manufacturing Company, Chicago, Ill. Seal. 2,521,137, Sept. 5.

Vedovell, Rudolph J., Kenilworth, assignor to Chicago Rawhide Manufacturing Company, Chicago, Ill. Seal. 2,523,604, Sept. 26.

Vee, Richard F., assignor to Teletype Corporation, Chicago, Ill. Silencer for printing telegraph apparatus. 2,517,147, Aug. 1.

Veeder-Root Incorporated, assignee: *See*—
Bliss, Harvey N.

Veenemans, Cornelis F.: *See*—
Roovers, Wilhelmus A., Veenemans and van Steenis.

Veenemans, Cornelis F., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Secondary emissive electric discharge tube. 2,530,743, Nov. 21.

Veigel, Clarence J., Toledo, Ohio, assignor of one-half to J. J. Bombard, and one-half to R. H. Neisewander, Springfield, Ill. Garage door track. 2,534,641, Dec. 19.

Veit, Theodor, New York, N. Y. Internal-combustion engine. 2,520,378, Aug. 29.

Veit, Wesley F., U. S. Army, Philadelphia, Pa. Bedclothes. 2,498,055, Feb. 21.

Veitch, Albert H.: *See*—
Hammerly, Herman J., and Veitch.

Veitch, Albert H., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Clamp and fixture support for a bus duct system of power distribution. 2,523,888, Sept. 26.

Veitch, Frederick J., Flushing, N. Y. Pipe joint. 2,498,831, Feb. 28.

Veitch, Isaac E., Birmingham, Ala. Molded product. 2,517,261, Aug. 1.

Veldhuis, Matthew K.: *See*—
Pulley, George N., and Veldhuis.

Veldhuizen, Pieter E., Amsterdam, Netherlands. Loading or charging gear. 2,513,696, July 4.

Velluz, Léon, and G. Rousseau, Paris, assignors to Les Laboratoires Francais de Chmiotherapie, Paris, France. Separating progesterone from cholesterol. 2,494,678, Jan. 17.

Velotta, Saltatore, Houston, Tex. Edger. 2,514,593, July 11.

Velsicol Corporation, assignee: *See*—
Herzfeld, Simon H., and Kleiman.
Herzfeld, Simon H., and Ordas.
Hyman, Julius.
Kleiman, Morton.
Peters, Carl F.

Velte, Andre J.: *See*—
Cahour, Pierre, and Velte.

Veltman, John C., and W. O. Michelsen, assignors to The Emerson Electric Manufacturing Company, St. Louis, Mo. Paper feeding and guiding mechanism for typewriters. 2,527,859, Oct. 31.

Veltman, Preston L., and A. R. Goldsby, Beacon, assignors, by mesne assignments, to The Texas Company, New York, N. Y. Catalytic treatment of hydrocarbon oils. 2,501,197, Mar. 21.

Vendo Company, The, assignee: *See*—
Johnson, Elmer C.
Shontz, Loran A., Jr.
Troupe, Donald F.

Vendomatic Machine Corporation, assignee: *See*—
Tandler, William S., Walker, and de Weiss.
Tandler, William S., Walker, de Wiess, and Teller.

Veneklasen, Paul S., South Pasadena, Calif., assignor to the United States of America as represented by the Executive Secretary of the Office of Scientific Research and Development. Supercharged cathode follower circuit. 2,508,586, May 23.

Venis, Adolph: *See*—
Van der Mark, Jan, Venis, Roszbach, and Blok.

Vennare, Samuel A., Pittsburgh, Pa. Adjustable holder for window shades, curtains, and drapes. 2,504,762, Apr. 18.

Venner, William M., Clayton, and P. L. Bowser, University City, Mo. Piston. 2,497,380, Feb. 14.

Venner, William M., Clayton, and P. L. Bowser, Jr., University City, assignors to The Sterling Corporation, St. Louis, Mo. Apparatus for molding castings having deep fins. 2,502,767, Apr. 4.

Venner, William M., Clayton, and P. L. Bowser, University City, Mo. Piston. 2,513,437, July 4.

Venner, William M., Clayton, and P. L. Bowser, Jr., University City, Mo. Machine for finishing pistons. 2,529,433, Nov. 7.

Venuto, Louis J., Bayside, assignor to Columbian Carbon Company, New York, N. Y. Carbon black process. 2,500,968, Mar. 21.
Verano, Frank: *See*—
Lokker, Robert P., and Verano.
Verbanc, John J.: *See*—
Sturgis, Bernard M., and Verbanc.
Verblen, Jack R., assignor to Lanolin Plus Cosmetics, Inc., Chicago, Ill. Isopropyl palmitate solution of lanolin cosmetic. 2,498,727, Feb. 28.
Verbrugge, Henry A., Port Washington, N. Y. Stirring device. 2,503,643, Apr. 11.
Verbsky, Thomas J., Euclid, assignor of twenty-five per cent to W. Isler and twenty-four per cent to S. B. Yarus, Cleveland Heights, Ohio. Soap bar. 2,505,444, Apr. 25.
Verburg, Cornelis, E. G. Dorgelo, and F. M. Penning, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Discharge tube adapted for generating oscillations. 2,508,316, May 16.
Verderber, Joseph, Cleveland, Ohio. Adjustable head for golf clubs. 2,520,701, Aug. 29.
Verderber, Joseph, Cleveland, Ohio. Adjustable head for golf clubs. 2,520,702, Aug. 29.
Verdery, Charlotte G.: *See*—
Vogt, Curt G., and Verdery.
Verdik Limited, assignee: *See*—
Steynor, Dudley V.
Verdoorn, Cornelis, and W. M. C. Visser, Papendrecht, Netherlands. Apparatus for separating continuously liquid such as water and solid matter such as sand. 2,501,924, Mar. 28.
Veress, Ferenc, Budapest, Hungary. Eccentrically mounted wheeled figure toy. 2,522,076, Sept. 12.
Verger, John: *See*—
Andrews, Norman F., Dort, Verger, Coultas, and Hill.
Verger, John, Rock Island, Ill. Grain gathering mechanism. 2,506,980, May 9.
Vergnaud, Paul, Melle, assignor to Les Usines de Melle (Societe Anonyme), Saint-Leger-les-Melle, France. Manufacture of butanediol and butanone. 2,529,061, Nov 7.
Vergobbi, John G.: *See*—
Howard, Stanley R., and Vergobbi.
Vergobbi, John G., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Lined container forming machine. 2,533,642, Dec. 12.
Vergobbi, Robert W., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Method of and apparatus for filling containers. 2,533,641, Dec. 12.
Vergottis, Panaghis P., Norfolk, Va. Feed heater. 2,499,041, Feb. 28.
Verheyden, James A., Oak Lawn, Ill., assignor to Vacuum Can Company. Insulated storage container. 2,510,671, June 6.
Verheyden, James A., and F. Haloski, Oak Lawn, Ill., assignors to Vacuum Can Company. Food storage container. 2,519,862, Aug. 22.
Verhoeff, Adrianus: *See*—
Le Poole, Jan B., and Verhoeff.
Verhoeff, Adrianus, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electron ray tube for photographing electron images. 2,504,362, Apr. 18.
Verhoeff, Adrianus, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electronic microscope. 2,508,317, May 16.
Verhoeven, Johannes C. L., Drunen, Netherlands. Arrangement for producing thin articles. 2,504,283, Apr. 18.
Verhota, Robert J., La Crosse, Wis. Fishhook. 2,514,527, July 11.
Veritch, Harold J.: *See*—
Ohman, Nils, and Veritch.
Verkstads-A. B. Haldex, assignee: *See*—
Slettengren, Anders I. K.
Verkuil, Leo L., Tottenville, N. Y., assignor to Edwards and Company, Inc., Norwalk, Conn. Electrical connecting device. 2,503,569, Apr. 11.
Vermeer, Gary J., Pella, Iowa. Dump vehicle. 2,497,333, Feb. 14.
Vermeer, Gerard J. H., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Corrugating cylindrical walls. 2,507,177, May 9.
Vermillion, William R., Kansas City, Mo. Cutlery holder for silverware chests. 2,505,510, Apr. 25.
Vermont Marble Company, assignee: *See*—
Deacy, William H.
Vermont Plastics, Inc., assignee: *See*—
Curtis, Newell H.
Verner, Harry G., Cortland, and L. S. Wood, Syracuse, N. Y., assignors to Du-Lite Chemical Corporation, Middletown, Conn. Phosphate coating of metal articles. 2,515,934, July 18.
Verner, James, Pocahontas, Iowa. Artificial teat. 2,533,643, Dec. 12.
Vernon, Frederick L., Newton, Iowa. Bracket. 2,513,605, July 4.
Vernon, Leroy N., and C. A. Olson, Geneva, Ill. Psychological test scoring device. 2,527,469, Oct. 24.
Vernor, James, Company, assignee: *See*—
Doughty, William E.
Verret, Eugene J.: *See*—
Blumer, Adam F., and Verret.
Versal Inc., assignee: *See*—
Cosper, Dale L.
Versen, Kurt, Tenafly, N. J. Recessed lighting fixture with removable reflector. 2,516,660, July 25.
Versen, Kurt, Tenafly, N. J. Support for pendant fixtures. 2,516,661, July 25.
Verson Corporation, The, assignee: *See*—
Rode, Fredrich J., and Hatch.
Versosa, Guillermo M., Brooklyn, N. Y. Hinged picture frame. 2,533,978, Dec. 12.
Versoy, Irving R., assignor to The Berger Brothers Company, New Haven, Conn. Belt. 2,494,216, Jan. 10.
Vertical Venetian Blind Company, Inc., assignee: *See*—
Bopp, Frederick W., and E. O.
Vertin, Donald D., Rapid City, S. Dak. Screw holder and starter. 2,532,972, Dec. 5.
Verwaltungsgesellschaft der Werkzengmaschinenfabrik Oerlikon, assignee: *See*—
Hepperle, Erwin.
Lippert, Hanns, and Hepperle.
Lippert, Hanns, and Mühlemann.
Muhlemann, Ernst.
Verwey, Evert J. W., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electric resistance and making. 2,507,233, May 9.
Verwey, Evert J. W., and M. G. van Bruggen, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electric resistance and making. 2,524,611, Oct. 3.
Verwey, Evert J. W., and J. M. Stevels, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustees. Ceramic insulating material and manufacturing same. 2,534,390, Dec. 19.
Vesely, Jerome A.: *See*—
Pines, Herman, and Vesely.
Vesigna, Roscild: *See*—
Bedini, Nerino, Vesigna, and Giuliani.
Vesterdal, Hans G.: *See*—
Meinert, Richard N., and Vesterdal.
Vesterdal, Hans G., Elizabeth, N. J., and H. J. Sykes, El Rosal, Venezuela, assignors to Standard Oil Development Company. Synthesis of hydrocarbons in the presence of an iron type catalyst. 2,533,071, Dec. 5.
Vesterlund Johan H.: *See*—
Wallentin, Åke H., Carlsson, and Vesterlund.
Vetorino, Frank, assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Cylinder door band lock. 2,529,643, Nov. 14.
Vetter, Otto B., Chicago, Ill., assignor to Hagan Corporation, Pittsburgh, Pa. Apparatus for measuring the product of two or more variables. 2,524,241, Oct. 3.
Vetter, Otto B., McKeesport, assignor to Hagan Corporation, Pittsburgh, Pa. Calculating linkage. 2,527,282, Oct. 24.
Vetterli, Oran, Albany, Calif. Color selector. 2,494,072, Jan. 10.
Veyret, Louis, Neuilly sur Seine, and P. Vanet, Le Vesinet, assignors to La Cellophane, Paris, France. Thumbtack. 2,495,238, Jan. 24.
Veyret, Louis, Neuilly-sur-Seine, and P. Vanet, Le Vesinet, assignors to La Cellophane, Paris, France. Drafting instrument. 2,520,021, Aug. 22.
Vezey, Edward E., Jr., Schenectady, N. Y., assignor to General Electric Company. Combined kitchen cabinet and ventilating hood. 2,535,707, Dec. 26.
Via, Lester C., assignor, by mesne assignments, to Reeves Hoffman Corporation, Carlisle, Pa. Crystal holder. 2,497,966, Feb. 21.
Viall, George K.: *See*—
McMillan, Andrew, Viall, Miller, and Carter.
Viall, George K., assignor to Chain Belt Company, Milwaukee, Wis. Control mechanism for the doors of material distributing receptacles. 2,511,311, June 13.
Viall, George K., and J. H. Blair, Jr., assignors to Chain Belt Company, Milwaukee, Wis. Can feeding mechanism. 2,517,742, Aug. 8.
Viall, George K., Milwaukee, and R. F. Lindow, Wauwatosa, assignors to Chain Belt Company, Milwaukee, Wis. Material distributing receptacle. 2,534,211, Dec. 12.
Viault, Mary, administratrix: *See*—
Roy, Arthur C. J.
Vibber, Foster L., Shrewsbury, Mass. Fishing line tension detector. 2,529,320, Nov. 7.
Vibbert, Burton L., Euclid, Ohio. Battery-charging table. 2,535,523, Dec. 26.
Viber Company, assignee: *See*—
Chilcott, Frank E.
Vibradamp, Incorporated, assignee: *See*—
Davis, Harold W., and Johns.
Vibro-Plus Corporation, assignee: *See*—
Giertz-Hedstrom, Stig.
Signeul, Ragnar A. O.
Vicard, Pierre G., Lyon, France. Low-temperature heater for heating air. 2,528,623, Nov. 7.
Vicars, T. & T., Limited, assignee: *See*—
Naylor, Joseph F.

Vicente, Francisco, Habana, Cuba. Shoe heel. 2,500,302, Mar. 14.
Vichie, Martin, Bundaberg, Queensland, and C. A. N. Young, Tantitha, Bundaberg, Queensland, assignors to Fairymead Sugar Company Limited, Bundaberg, Queensland, Australia. Harvester for sugar cane and similar crops. 2,516,277, July 25.
Vickers-Armstrongs Limited, assignee: *See*—
Brereton, Christopher F.
Dannatt, Cecil, and Belsey.
Higson, Percy R.
Nasmith, John I.
Naylor, Joshua C., and Fieldhouse.
Perry, Charles.
Wallis, Barnes N.
Watson, John P.
Vickers, Carroll B., Buffalo, N. Y., assignor to M. V. Somervell. Hydraulic system. 2,495,151, Jan. 17.
Vickers, Carroll B., Snyder, N. Y. Manually controlled power hydraulic brake. 2,503,892, Apr. 11.
Vickers, Harry F., assignor to Vickers Incorporated, Detroit, Mich. Power transmission. 2,493,512, Jan. 3.
Vickers, Harry F., assignor to Vickers Incorporated, Detroit, Mich. Fluid energy translating device. 2,525,979, Oct. 17.
Vickers, Harry F., Detroit, K. R. Herman, Franklin, and W. M. Pohl, Birmingham, assignors to Vickers Incorporated, Detroit, Mich. Power transmission. 2,505,727, Apr. 25.
Vickers, Harry F., Detroit, K. R. Herman, Franklin, and W. M. Pohl, Birmingham, assignors to Vickers Incorporated, Detroit, Mich. Power transmission. 2,516,662, July 25.
Vickers, Herbert H., Union, N. J., assignor to Standard Oil Development Company. Forming bevelled spliced inner tubes. 2,525,085, Oct. 10.
Vickers, Herbert H., Union, N. J., assignor to Standard Oil Development Company. Manufacture of inner tubes. 2,527,204, Oct. 24.
Vickers Incorporated, assignee: *See*—
Finlayson, William G.
Finlayson, William G., Brown, and McGinnis.
Gardiner, Duncan B.
Harrington, Ferris T.
Harrington, Ferris T., and Tweedale.
Hayden, Merrill A.
Herman, Kenneth R.
Hipp, William J.
Huhtala, Taito E.
Logan, Frank G.
Nixon, Harley E.
Rau, David W., and Bruemmer.
Robinson, James, and Losey.
Rutherford, Harry T.
Tweedale, Ralph L.
Vander Velde, Edward J.
Vickers, Harry F.
Vickers, Harry F., Herman, and Pohl.
Weathers, Leland C.
Vickers, John P. J., Dartmouth, Nova Scotia, Canada. Padlock. 2,496,320, Feb. 7.
Vickery, Frederick J., Western Springs, Ill. Carrier stand for outboard motors. 2,507,234, May 9.
Vickery, Frederick W., deceased, Guilford, by A. Minute, Wandsworth Common, London, H. E. B. Scott, Hayes, L. A. Hunt, Fulham, London, and R. W. Covington, Woodford Green, England, administrators. Vortex separator for paper pulp. 2,521,103, Sept. 5.
Vickroy, George S., Johnstown, Pa., assignor to Carnegie-Illinois Steel Corporation. Semiautomatic adjustable rail brace. 2,504,475, Apr. 18.
Vickroy, George S., Johnstown, Pa., assignor to Carnegie-Illinois Steel Corporation. Rail brace. 2,515,678, July 18.
Vicksell, Victor A., Sr., Kansas City, Mo. Adjustable window ventilator. 2,496,921, Feb. 7.
Victor Adding Machine Co., assignee: *See*—
Mehan, Thomas O., and Hooe.
Victor, Alexander F., New York, N. Y., assignor to Victor Animatograph Corporation, Davenport, Iowa. Spindle. 2,521,427, Sept. 5.
Victor Animatograph Corporation, assignee: *See*—
Victor, Alexander F.
Victor Chemical Works, assignee: *See*—
Toy, Arthur D. F.
Woodstock, Willard H.
Victor Industries Corporation, assignee: *See*—
Gartner, Frederick.
Palermo, Dominic J.
Victor, John and W. K., Abilene, Tex. Music printing process and apparatus. 2,518,204, Aug. 8.
Victor Manufacturing & Gasket Company, assignee: *See*—
Lillis, Stephen M.
Victor Metal Products Corporation, assignee: *See*—
Jacobson, Harry.
Palermo, Dominic J.
Victor Mills Limited, assignee: *See*—
McFarlane, William D.
Victor, Samuel, Chicago, Ill.; now by judicial change of name, Sam Women Sam. Detachable flange fastener. 2,516,605, July 25.
Victor, Samuel, Chicago, Ill.; now by judicial change of name, Sam Women Sam. Picture frame and picture sheet. 2,519,518, Aug. 22.
Victor, Samuel, Chicago, Ill.; now by judicial change of name S. W. Sam. Tooth cleaner. 2,524,412, Oct. 3.
Victor Tool & Machine Corporation, assignee: *See*—
Schwartz, Stanley G.
Victor, Walter K.: *See*—
Victor, John and W. K.
Victoreen Instrument Company, The, assignee: *See*—
Victoreen, John A.
Victoreen, John A., assignor to The Victoreen Instrument Company, Cleveland, Ohio. Recording or indicating. 2,507,743, May 16.
Victoreen, John A., assignor to The Victoreen Instrument Company, Cleveland, Ohio. Geiger tube. 2,521,315, Sept. 5.
Victoria Machine Tool Company, Limited, assignee: *See*—
Selby, James.
Victoria Tire Company, assignee: *See*—
Solomon, Joseph, and Black.
Victory, Frederick C., Milford, Conn., assignor to Moore Special Tool Co., Inc. Maintaining dimensional stability in machine parts. 2,515,146, July 11.
Victrylite Candle Company, assignee: *See*—
Banks, Charles T.
Vidal, Charles H., deceased, London, England; E. M. Vidal, executrix. Collet and chuck jaws. 2,535,105, Dec. 26.
Vidal, Charles H., deceased, London, England; E. M. Vidal, executrix. Self-centering chuck. 2,535,106, Dec. 26.
Vidal, Eileen M., executrix: *See*—
Vidal, Charles H.
Viedt, Martin F., Winner, S. Dak. Automobile cooling system. 2,523,242, Sept. 19.
Vienneau, Jacob J., Pittsfield, Mass., assignor to General Electric Company. Three-phase magnetic core. 2,516,164, July 25.
Vienneau, Jacob J., Pittsfield, Mass., assignor to General Electric Company. Making three-phase magnetic cores. 2,516,165, July 25.
Vienneau, Jacob J., Pittsfield, Mass., assignor to General Electric Company. Clamp for three-phase delta yoke cores. 2,522,244, Sept. 12.
Vieson, Gerald K.: *See*—
Clark, Bruce E., and Vieson.
Viets, Floyd H., Glendale, assignor to Western Precipitation Corporation, Los Angeles, Calif. Pneumatic apparatus for rapping electrodes in electrical precipitators. 2,525,325, Oct. 10.
Viets, Floyd H., Glendale, assignor to Western Precipitation Corporation, Los Angeles, Calif. Apparatus for introducing air to insulated electrode structure in electrical precipitators. 2,526,715, Oct. 24.
Viets, Walter, St. Louis, Mo. Slotted wrench socket. 2,503,364, Apr. 11.
Viewegh, John H., Indianapolis, Ind. Fan guard mounting. 2,498,968, Feb. 28.
Viewlex, Inc., assignee: *See*—
Perillo, Florindo J.
Vigerust, Oliver S., La Tuna, Tex. Flatwork washer. 2,530,494, Nov. 21.
Viggiano, Joseph T., Enterprise, W. Va. Fireplace shield. 2,515,576, July 18.
Vigmostad, Trygve, assignor to Briggs Manufacturing Company, Detroit, Mich. Convertible top for vehicle bodies. 2,498,868, Feb. 28.
Vigneau, André, Norrois, France. Machine for automatically setting and truing the ends of the teeth of saws. 2,528,925, Nov. 7.
Vignere, Leonard A., Salem, assignor to The Aetna-Standard Engineering Company, Youngstown, Ohio. Apparatus for handling strip. 2,527,976, Oct. 31.
Vignos, James C., assignor to Ohio Ferro Alloys Corporation, Canton, Ohio. Deoxidizing iron and steel. 2,496,074, Jan. 31.
Vigo, Castor M., Tampa, and R. R. Nadal, Archer, Fla. Lubricating box. 2,527,164, Oct. 24.
Vigor, Bertram C.: *See*—
Cadman, Norman G., and Vigor.
Vigren, Sten D.: *See*—
Thunell, Karl H., and Vigren.
Vigren, Sten D., Stockholm, W. O. W. Broberg, and O. K. J. Olsson, Nynäshamn, assignors to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden. Contact mounting for electrical switches. 2,515,914, July 18.
Vila, Heriberto A., New York, N. Y. Modulation system. 2,496,610, Feb. 7.
Vilandrè, Emile J.: *See*—
Vilandrè, Gertrude S. and E. J.
Vilandrè, Gertrude S. and E. J., Brooklyn Center, Minn. Guide for ball valves. 2,495,616, Jan. 24.
Viles, Prentiss S., Goose Greek, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Desalting crude petroleum. 2,503,977, Apr. 11.
Vilkomerson, Benjamin S., Camden, N. J., assignor to Radio Corporation of America. Tuning indicator circuit. 2,502,293, Mar. 28.
Vilkomerson, Benjamin S., Camden, N. J., assignor to Radio Corporation of America. Locked-in oscillator circuit. 2,513,763, July 4.
Vilkomerson, Benjamin S., Camden, N. J., assignor to Radio Corporation of America. Multirange oscillator circuits. 2,525,053, Oct. 10.

Villane, Michael P., Hyde Park, C. G. Dailey, West Medford, and F. R. Wisentaner, Roxbury, Mass.; said Dailey assignor to said Villane and said Wisentaner. Bottle contents quantity indicator. 2,534,882, Dec. 26.
Villano, Albert J., Schenectady, assignor to American Locomotive Company, New York, N. Y. Lateral motion resistance and centering device. 2,500,586, Mar. 14.
Villarin, Emilio L., Waipahu, Oahu, Territory of Hawaii. Combination pen. 2,517,060, Aug. 1.
Villem, Raymond, Paris, France, assignor to Societe Francaise Radio Electrique. Radioelectric communication device. 2,505,266, Apr. 25.
Villem, Raymond, Paris, France, assignor to Societe Francaise Radio-Electrique. Radio-electric transmitting system. 2,529,667, Nov. 14.
Villem, Raymond, Paris, France, assignor to Societe Francaise Radio-Electrique. Short-wave, long distance communication system. 2,530,926, Nov. 21.
Villemur, Albert A., Escanaba, Mich. Snowshoe binding. 2,511,087, June 13.
Villeplé, Paul, assignor to Societe Civile dite: Office Technique International O. T. I., Paris France. Electric bulb socket. 2,524,280, Oct. 3.
Villiers, Leon J., assignee: *See*—
Gault, Marcel A. J. L.
Villiger, Eugen, and R. Peter, assignors to Aktiengesellschaft Fuer Technische Studien, Zurich, Switzerland. Tube nest for heat exchangers. 2,505,695, Apr. 25.
Villiger, Eugen, assignor to Aktiengesellschaft Fuer Technische Studien, Zurich, Switzerland. Tubular gas heater, particularly for the heating of compressed propulsive gases for turbines. 2,505,696, Apr. 25.
Villo, Joseph P.: *See*—
Hallowell, Howard T., and Villo.
Villoresi, John: *See*—
Moore, Charles R., and Villoresi.
Vilter, Ernest F.: *See*—
Stoelting, Carl R., Stamberg, and Vilter.
Vinal, George W., Washington, D. C. Battery separator. 2,511,887, June 20.
Vinal, Leroy W., Leominster, Mass., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Separating sprues from molded articles. 2,520,263, Aug. 29.
Vincent, Andrew W., Rochester, N. Y. Intercommunicating telephone system. 2,493,174, Jan. 3.
Vincent, Andrew W., assignor to Talk-O Products, Inc., Rochester, N. Y. Intercommunicating system. 2,523,671, Sept. 26.
Vincent, Daniel B., Tampa, Fla. Dehydrating apparatus. 2,518,582, Aug. 15.
Vincent, Earl R.: *See*—
Newell, Cameron B., and Vincent.
Vincent, Edwin E.: *See*—
Pond, Bertram P., Vincent, and De Lancey.
Vincent, Edwin E., and W. H. De Lancey, assignors to Engineering Products, Inc., Springfield, Mass. Liquid dispenser device and deaerator. 2,511,554, June 13.
Vincent, Eugene, Montreuil Sous-Bois, France. Lock clasp. 2,514,980, July 11.
Vincent, George P., Briarcliff Manor, N. Y., and A. L. Dubeau, Rumford, R. I., assignors to Mathieson Chemical Corporation. Apparatus for steaming textiles. 2,494,731, Jan. 17.
Vincent, H. Farley, New Orleans, La. Detachable auxiliary fuel tank for aircraft. 2,507,069, May 9.
Vincent, Jesse G., Grosse Pointe Park, assignor to Packard Motor Car Company, Detroit, Mich. Change-speed drive mechanism. 2,506,399, May 2.
Vincent, Jesse G., Grosse Pointe Park, assignor to Packard Motor Car Company, Detroit, Mich. Propeller drive for airplanes with counter-rotating propellers. 2,518,841, Aug. 15.
Vincent, John R., Newport, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Plasticizing elastomers. 2,493,843, Jan. 10.
Vincent, Joseph F.: *See*—
Lazier, Wilbur A., and Vincent.
Vincent, Joseph F., Milledgeville, assignor to Stevens Industries, Inc., Dawson, Ga. Stabilized nut butter. 2,511,136, June 13.
Vincent, Perry F., Hillsdale, Mich. Air gun. 2,495,829, Jan. 31.
Vincent, Renic P., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Well logging apparatus. 2,524,150, Oct. 3.
Vincent, Shirley M., Northampton, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Sand mold composition. 2,534,743, Dec. 19.
Vincent, Simon, Washington, D. C. Scroll pulpit. 2,517,262, Aug. 1.
Vine, Allyn C.: *See*—
Ewing, William M., and Vine.
Vineyard, Charity S., Pasadena, Calif. Adjustable garment hanger. 2,524,612, Oct. 3.
Vingerhoets, Antonius W.: *See*—
Ledeboer, Johan M., and Vingerhoets.
Vingerhoets, Antonius W., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Device for making short-time exposures by means of X-rays. 2,499,546, Mar. 7.
Viniegra, Fermin, Chicago, Ill. Strapless supporter or shield. 2,534,934 Dec. 19.
Vining, Howard C., assignor to Jones & Vining, Inc., Brockton, Mass. Shoe tree. 2,503,227, Apr. 4.
Vining, Howard C., assignor to Jay-Vee Shoe Tree Company, Brockton, Mass. Shoe tree. 2,518,261, Aug. 8.
Vinnick, William, Flushing, N. Y. Snow and ice remover for motor vehicles. 2,505,311, Apr. 25.
Vinokor, Isaac, Haifa, Palestine. Sieve or grid for kitchen sinks. 2,518,205, Aug. 8.
Vinson, Walter L., Sherman Oaks, Calif. Temperature and flow regulator. 2,526,099, Oct. 17.
Vinten, Charles, London, England. Cinematograph camera with reflecting view finder. 2,498,188, Feb. 21.
Vinten, Charles, London, England. Rotatable reflector for cinematograph cameras. 2,506,909, May 9.
Vinton, John, San Francisco, Calif. Coffee maker. 2,535,378, Dec. 26.
Vinton, William U., assignor to Manitowoc Shipbuilding Company, Manitowoc, Wis. Latch. 2,502,607, Apr. 4.
Violet, André, Boulogne-Billancourt, France. Indicating tuning device, particularly for frequency-modulation receivers. 2,529,980, Nov. 14.
Violette, Joseph B., Hampton, Va. Slidable spout attachment for cans. 2,498,318, Feb. 21.
Violette, Richard J., Washington, D. C. Apparatus for cable splicing. 2,500,969, Mar. 21.
Vircks, William A., Stetsonville, Wis. Paper-hanging device for papering ceilings. 2,498,595, Feb. 21.
Virginia Smelting Company, assignee: *See*—
Binns, Frederick W., and Channon.
Virkotype Corporation, assignee: *See*—
Berndt, Richard F.
Virkus, Robert M.: *See*—
Anthony, Myron L., and Virkus.
Virneburg, George, New York, N. Y. Rigid archery bow having an elastic string. 2,496,140, Jan. 31.
Virtue Bros. Mfg. Co., assignee: *See*—
Virtue, Philip M.
Virtue, Maxine B., Ypsilanti, Mich. Infant's sleeping garment. 2,496,922, Feb. 7.
Virtue, Philip M., assignor to Virtue Bros. Mfg. Co., Los Angeles, Calif. Chair back. 2,514,685, July 11.
Virus, Hugo, Villa Park, Ill., assignor to Keuffel & Esser Company, Hoboken, N. J. Beam compass. 2,516,735, July 25.
Vischer, Alfred, Jr., Park Ridge, Ill. Renewable fuse. 2,522,473. Sept. 12.
Visco Products Company, assignee: *See*—
Kirkpatrick, Willard H., and Wilson.
Visking Corporation, The, assignee: *See*—
Fuller, Edward D.
Gold, Marvin H.
Gold, Marvin H., and Levine.
Henderson, William F.
Polen, Percy B.
Thor, Clifford J. B., Tauber, and Tripp.
Visser, Paul M., assignee: *See*—
Krogh, Kenneth K.
Visser, Willem M. C.: *See*—
Verdoorn, Cornelis.
Vitafreeze Equipment, Inc., assignee: *See*—
Rasmusson, Marlin B.
Vitalis, Emil A., Springdale, Conn., assignor to American Cyanamid Company, New York, N. Y. Alkylbenzenesulfonate detergents containing guanidine salts of inorganic acids. 2,535,972, Dec. 26.
Vitalius, Josef V., Karlstad, Sweden, and N. Klykken, Hudson Falls, N. Y., assignors to Aktiebolaget Kamyr, Karlstad, Sweden. Filter drum and shielding shoe. 2,534,563, Dec. 19.
Vitamins, Inc., assignee: *See*—
Freiman, Milton.
Vitarelli, Henry, Bronx, assignor to Covrall Industries, Inc., Brooklyn, N. Y. Phonograph amusement device. 2,518,206, Aug. 8.
Vítek, Adolf: *See*—
Bata, Viktor, and Vítek.
Vitek, Charles, assignor, by mesne assignments, to M. A. Miller and E. Frisell, Omaha, Nebr. Adjustable support for chairs, stolls, and the like. 2,501,976, Mar. 28.
Vitorama Corporation, The, assignee: *See*—
Waller, Fred.
Vitro Products Company, assignee: *See*—
Scott, Wilmot H.
Vitto, Benjamin: *See*—
Zipperstein, Abe M., and Vitto.
Vittum, Paul W.: *See*—
Glass, Dudley B., Vittum and Weissberger.
Sawdey, George W., and Vittum.
Weissberger, Arnold, Vittum, and Edens.
Vittum, Paul W., assignor to Eastman Kodax Company, Rochester, N. Y. Bleaching silver images. 2,529,981, Nov. 14.
Vivian, George S., Surbiton, assignor to Satona Limited, Leeds, England. Resealable carton closure having metallic clip fastening means. 2,533,539, Dec. 12.
Vivie, Wilhelmus L. L., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Apertured cutting plate for dry-shaving devices. 2,494,463, Jan. 10.
Vivie, Wilhelmus L. L., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Record exchanger for automatic gramophones. 2,512,262, June 20.

Vivie, Wilhelmus L. L., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Cutting plate of dry-shaving apparatus. 2,533,979, Dec. 12.

Vivie, Wilhelmus L. L., and A. van de Lee, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Rotary dry shaver. 2,494,464, Jan. 10.

Vizard, William C., assignor to Barbour Welting Company, Brockton, Mass. Beaded welting. 2,494,786, Jan. 17.

Vizard, William C., assignor to Barbour Welting Company, Brockton, Mass. Two-unit welting. 2,530,927, Nov. 21.

Vizner, Herman, New York, N. Y., assignor to D. Ornstein & Sons Corp. Adjustable clasp. 2,495,667, Jan. 24.

Vizuete, Bennie, Port Arthur, Tex. V-block attachment for micrometers. 2,521,428, Sept. 5.

Vlach, John J., assignor to General Electric X-Ray Corporation, Chicago, Ill. Rotating vacuum seal. 2,497,479, Feb. 14.

Vlach, John J., assignor to General Electric X-Ray Corporation, Milwaukee, Wis. X-ray generator. 2,535,708, Dec. 26.

Vlasic, Frank R., New Carlisle, Ohio. Variable load parachute. 2,500,220, Mar. 14.

Vlchek, Frank, Jr., assignee: *See*—
Bonham, Walter G.

Vlchek Tool Company, The, assignee: *See*—
Radde, Arthur H.

Vlugter, Johannes C.: *See*—
Eilers, Herman, Overhoff, and Vlugter.

Vnak, George S., Minneapolis, Minn. Cushion and carpet stretcher. 2,507,179, May 9.

Vobeda, Edwin F., Racine, Wis. Lengthening attachments for micrometers. 2,498,969, Feb. 28.

Vobeda, Edwin F., Racine, Wis. Micrometer depth and projection gauge. 2,520,022, Aug. 22.

Vocisano, Domenico, Montreal, Quebec, Canada. Form support. 2,508,779, May 23.

Vocisano, Domenico, Montreal, Quebec, Canada. Form clamping support. 2,510,767, June 6.

Vock, William A., Long Beach, Calif. Roller kelly bushing. 2,527,087, Oct. 24.

Vodol Company, assignee: *See*—
Taub, Abraham, and Mattikow.

Voecks, William J., Rockford, Ill. Pigeon holder for training bird dogs. 2,504,763, Apr. 18.

Voege, James E.: *See*—
Belcher, Daniel W., and Voege.

Voegeli, John H., Prospect, Conn. Lipstick container. 2,513,830, July 4.

Voelker, Edward M., South Athol, Mass., and J. W. Sabbagh, Jackson Heights, N. Y. Scraper. 2,519,946, Aug. 22.

Voet, Andries, assignor to J. M. Huber Corporation, New York, N. Y. Water set printing inks. 2,513,122, June 27.

Voet, Andries, New York, N. Y., assignor to J. M. Huber Corporation, Locust, N. J. Inks. 2,525,433, Oct. 10.

Voge, Hervey H., Berkeley, G. M. Good, Albany, and B. S. Greensfelder, Oakland, assignors to Shell Development Company, San Francisco, Calif. Hydrocarbon treating process. 2,495,648, Jan. 24.

Vogel, Alvin R., Los Angeles, Calif. Steering system. 2,522,694, Sept. 19.

Vogel, Edward A., and H. R. Lindbeck, Beloit, Wis., assignors to Fairbanks, Morse & Co., Chicago, Ill. Impulse coupling. 2,529,891, Nov. 14.

Vogel, Edward G., Cincinnati, Ohio. Bracelet fastener. 2,503,570, Apr. 11.

Vogel, Frank, assignor to A. H. Reef, Philadelphia, Pa. Automatic safety catch. 2,506,561, May 2.

Vogel, Frank, Philadelphia, Pa. Safety razor. 2,525,569, Oct. 10.

Vogel, Frank, assignor to A. H. Reef, H. H. Novack, and I. Haber, Philadelphia, Pa. Automatic safety catch. 2,534,887, Dec. 19.

Vogel, Franz, New York, N. Y. Four-way umbrella. 2,493,705, Jan. 3.

Vogel, Henry A., Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Separation of unsaponifiable materials from free fatty acids. 2,523,794, Sept. 26.

Vogel, Henry A., and R. M. Christenson, Milwaukee, Wis., assignors to Pittsburgh Plate Glass Company, Allegheny County, Pa. Obtaining sterols of high purity. 2,499,430, Mar. 7.

Vogel-Jorgensen, Mikael, Copenhagen, Denmark, assignor to Separation Process Company, Catasauqua, Pa. Preparation of calcareous cement raw material. 2,526,519, Oct. 17.

Vogel, Louis W., Chicago, Ill. Container for fishhooks. 2,499,042, Feb. 28.

Vogel, Ole, Moose Jaw, Saskatchewan, Canada. Valve wheel marker. 2,523,458, Sept. 26.

Vogel, Paul R., Chicago, Ill. Cardholder. 2,532,132, Nov. 28.

Vogel, Raymond H., assignor to Wingfoot Corporation, Akron, Ohio. Master cylinder. 2,500,502, Mar. 14.

Vogel, Robert, New York, N. Y. Venetian blind tape. 2,534,642, Dec. 19.

Vogel, Rudolf, Bridgeport, Conn. Spring hinge. 2,509,462, May 30.

Vogel, Theodore F., deceased, Chenequa, Wis.; by T. F. Vogel, Jr., administrator, and J. F. Hartman, and T. R. Finlayson, assignors to P & V-Atlas Industrial Center, Inc., Milwaukee, Wis. Apparatus for handling unit loads. 2,509,023, May 23.

Vogel, Theodore F., Jr., administrator: *See*—
Vogel, Theodore F., Hartman, and Finlayson.

Vogel, Vernon H., assignor to Collins Radio Company, Cedar Rapids, Iowa. Automatic control of radio transmitters and the like. 2,502,396, Mar. 28.

Vogel, Vernon H., Minneapolis, Minn., assignor to Collins Radio Company, Cedar Rapids, Iowa. Remotely controlled antenna tuning and loading system. 2,505,511, Apr. 25.

Vogel, Walter, Santiago, Chile. Supply reservoir for heavy liquids. 2,517,743, Aug. 8.

Vogel, William M., Montclair, N. J. Sprayer. 2,530,557, Nov. 21.

Vogelsang, Charles A., Erdenheim, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Temperature responsive measuring apparatus. 2,509,048, May 23.

Vogelsang, George K.: *See*—
Novotny, Emil E., and Vogelsang.
Novotny, Emil E., Vogelsang, and Novotny.

Vogelsang, Phelps, Midland, assignor, by mesne assignments, to Seed Pellets, Inc., Saginaw, Mich. Treating seed and seed products. 2,502,809, Apr. 4.

Vogelsberg, Karl, Irvington, N. J. Heating system regulatory device. 2,527,283, Oct. 24.

Voges, Frederick, assignor to Advertising Ingenuities, Inc., Chicago, Ill. Toy tenpin game. 2,535,973, Dec. 26.

Vogini, Arthur, Astoria, N. Y. Goat and man wheeled toy. 2,527,470, Oct. 24.

Vogt, Curt G., Union, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Anthraquinone acid dyestuffs. 2,499,431, Mar. 7.

Vogt, Curt G., Union, N. J., and F. Marschall, Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y. Dealkylating alkoxy aromatic amines. 2,497,248, Feb. 14.

Vogt, Curt G., Union, and C. G. Verdery, Phillipsburg, N. J., assignors to General Aniline & Film Corporation, New York, N. Y. Preparation of N-aryl-2,4-diketotetra-hydroquinolines. 2,507,485, May 9.

Vogt, Henry J., Forest Hills, N. Y. Self-supporting hosiery. 2,514,108, July 4.

Vogt, Henry, Machine Company, assignee: *See*—
Fulkerson, Archie P.

Vogt, Joseph C.: *See*—
Todd, Keith H., Eisinger, and Vogt.

Vogue Recordings, Incorporated, assignee: *See*—
Saffady, Thomas F.

Voigt, Alexander E., Topeka, Kans. Generator drive belt control mechanism. 2,527,977, Oct. 31.

Voigt, August C., Indianapolis, Ind., assignor to International Harvester Company. Preheating apparatus for machine tools. 2,504,284, Apr. 18.

Voight, Brice C.: *See*—
Harrison, Irl, and Voight.

Voigt, Max T., Reading, Pa. Electric power transmission for sewing machines. 2,514,461, July 11.

Voigt, Oscar E., Galveston, Tex. Mold and sprue cutter for casting sinkers. 2,515,915, July 18.

Voigtritter, Max H., assignor to J. P. Seeburg Corporation, Chicago, Ill. Merchandise dispensing apparatus. 2,531,347, Nov. 21.

Voisin, Gabriel, Paris, France. Connecting rod system for crankshafts. 2,506,693, May 9.

Vokes, Cecil G.: *See*—
Lee, David C. R., Bosson, and Vokes.

Vokes, Cecil G., Guildford, assignor to Vokes Limited, Guilford, Surrey, England. Filtering apparatus and method. 2,499,705, Mar. 7.

Vokes, Cecil G., assignor to Vokes Limited, Guildford, England. Filter and silencer unit. 2,510,440, June 6.

Vokes, Cecil G., assignor to Vokes Limited, Guildford, England. Air intake filter and silencer. 2,510,441, June 6.

Vokes, Cecil G., assignor to Vokes Limited, Guildford, England. Filter. 2,524,336, Oct. 3.

Vokes, Gordon H., assignor to Vokes Limited, Guildford, England. Filter cleaning apparatus. 2,533,644, Dec. 12.

Vokes Limited, assignee: *See*—
Chaffey, Reginald H.
Lee, David C. R., Bosson, and Vokes.
Pilliner, Bernard J.
Vokes, Cecil G.
Vokes, Gordon H.

Volcan S. A., assignee: *See*—
Geffroy, Robert R. L.

Volckhausen, Walter J.: *See*—
Nystrom, Axel C., and Volckhausen.

Vold, Annette E., Rosemead, Calif. Knee guard. 2,534,888, Dec. 19.

Vold, Marjorie J., assignor to Union Oil Company of California, Los Angeles, Calif. Lubricating composition. 2,528,257, Oct. 31.

Vold, Marjorie J., and R. W. Mertes, assignors to Union Oil Company of California, Los Angeles, Calif. Sulfonation method. 2,514,733, July 11.

Voldrich, Frank G., assignee: *See*—
Maly, James E.

Volett, George, Freeport, N. Y., assignor to Jacques Kreisler Manufacturing Corporation, North Bergen, N. J. Apparatus for making flexible bands. 2,503,365, Apr. 11.
Volgenau, Robert H., Buffalo, and J. M. Hooe, Ogdensburg, N. Y. Closure for beehive smokers. 2,535,177, Dec. 26.
Volgovskoy, Boris, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Enclosed switchgear with adjustable panel. 2,533,645, Dec. 12.
Volk, Michael R., Bismarck, N. Dak. Float inclinometer. 2,525,387, Oct. 10.
Volk, Ralph F., Midway City, Calif. Collecting and dumping assembly. 2,504,476, Apr. 18.
Volkel Bros. Machine Works, assignee: *See*—
Volkel, Frank G.
Volkel, Frank G., assignor to Volkel Bros. Machine Works, Los Angeles, Calif. Crystal grinding device. 2,509,402, May 30.
Volkers & Schaffer, Inc., assignee: *See*—
Volkers, Walter K.
Volkers, Walter K., Schenectady, N. Y., assignor to Volkers & Schaffer, Inc. Inductively energized electrodynamic loudspeaker. 2,494,918, Jan. 17.
Volkmann, John, Cambridge, Mass., assignor to the United States of America as represented by the Secretary of War. Headband. 2,501,107, Mar. 21.
Vollman, Joseph, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Article attaching machine. 2,509,619, May 30.
Vollmer, Mathilda C., Berthold, N. Dak., and W. Funke, Brooklyn, N. Y. Clothes hanger. 2,494,973, Jan. 17.
Vollmer, Paul L.: *See*—
Krapf, Herman C., and Vollmer.
Vollrath, Joseph P., North Wales, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Thermocouple with wire insulation. 2,504,764, Apr. 18.
Volpi, Eugene E.: *See*—
Woodham, Robert E., and Volpi.
Volpin, Alexander S., Houston, Tex. Slush pump valve. 2,495,880, Jan. 31.
Volpin, Alexander S., Houston, Tex. Rubber sealed gate valve. 2,510,442, June 6.
Volpin, Alexander S., Houston, Tex. Line pressure lubricated plug valve. 2,530,744, Nov. 21.
Voltarc Tubes, Inc., assignee: *See*—
Simpson, Charles A.
Volupte, Inc., assignee: *See*—
Campos, Adolph.
Volz, Carl, Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Track circuit apparatus using alternating current. 2,501,590, Mar. 21.
Volz, Carl, Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Coded carrier signaling apparatus amplifier. 2,515,916, July 18.
Volz, Carl, State College, assignor to The Union Switch and Signal Company, Swissvale, Pa. Electronic coding means for signaling systems. 2,532,870, Dec. 5.
Volz, Philip E., Orange, N. J., assignor, by mesne assignments, to Pierce Company, Providence, R. I. Automatic operation and selective calling system. 2,528,624, Nov. 7.
Vomacka, Edward E., Glendale, Mo. Dispensing container. 2,505,697, Apr. 25.
Vonada, Edwin E.: *See*—
Winterhalter, William E., and Vonada.
Von Allmen, Fritz, assignor to Fabrique Suisse de Crayons Caran D'Ache S. A., Geneva, Switzerland. Lead feeding and holding construction for propelling pencils. 2,509,849, May 30.
Von Allmen, Samuel, and H. Eggenberger, assignors to Sandoz Limited, Basel, Switzerland. Acid dyestuffs of the anthraquinone series and their manufacture. 2,503,855, Apr. 11.
Von Allmen, Samuel, and H. Eggenberger, assignors to Sandoz Limited, Basel, Switzerland. Acid dyestuffs of the anthraquinone series and making same. 2,517,613, Aug. 8.
Von Baeyer, Hans J.: *See*—
Rusterholz, Alexander, and von Baeyer.
Von Baeyer, Hans J., Baden, assignor to "Patelhold" Patentverwertungs- & Elektro-Holding A.-G., Glarus, Switzerland. Apparatus for pulse phase modulation. 2,514,148, July 4.
Von Baeyer, Hans J., Baden, assignor to "Patelhold" Patentverwertungs-&-Electro-Holding A.-G., Glarus, Switzerland. Multiplex communication system with channels of different band widths. 2,517,365, Aug. 1.
Von Bampus, Richard R., Ringwood, Ill. Portable foundation wall form. 2,530,102, Nov. 14.
Von Bank, Albert J., Armstrong, Iowa. Combination coupling pin and lifting hook. 2,535,468, Dec. 26.
Von Beck, George C., San Diego, Calif. Device for supporting fishing rods. 2,526,981, Oct. 24.
Von Benkendorff, Emilie R., Delavan, Wis. Ash dispenser. 2,499,803, Mar. 7.
Von Beren, Russell D., New Haven, Conn. Stacking or tiering machine. 2,508,698, May 23.
Von Bolhar, Edgar, Sausalito, assignor to Yuba Manufacturing Company, San Francisco, Calif. Dredge digging structure. 2,528,195, Oct. 31.
Von Bramer, Harold: *See*—
Brimer, Marshall R., Magoffin, and Von Bramer.
Von Canon, Paul L., West End, N. C. Furniture drawer construction and method. 2,496,184, Jan. 31.
Von Carnop, T. W., Fall City, Wash. Attachment for bulldozer blades. 2,515,384, July 18.
Von Cseh, Louis, New York, assignor to Speed Products Company, Inc., Long Island City, N. Y. Stapling machine. 2,499,432, Mar. 7.
Von Cseh, Louis, New York, assignor to Speed Products Company, Inc., Long Island City, N. Y. Spring scale. 2,512,187, June 20.
Vonder Ahe, Karl L., Oregon City, Oreg. Portable folding top for boats. 2,513,764, July 4.
Von der Lieth, Harry, Ridgefield, N. J. Can opener. 2,515,362, July 18.
Von der Werth, Gordon, San Francisco, Calif. Apparatus for splitting wood blocks. 2,514,915, July 11.
Von Deylen, George H., Napoleon, Ohio. Conversion equipment in internal-combustion motor ignition practice. 2,513,385, July 4.
Von Doehren, Edward P., Fredericksburg, Iowa. Hydraulic hoist elevator. 2,525,006, Oct. 10.
Vondruska, James R., Cleveland, Ohio. Window ventilator. 2,513,220, June 27.
Von Duyke, Harrison M., Wilmington, Del. Platen rotating mechanism for stenographic typewriters. 2,500,587, Mar. 14.
Von Duyke, Harrison M., assignor to New Dictatype Company, Incorporated, Wilmington, Del. Typewriter ribbon mechanism. 2,508,780, May 23.
Von Duyke, Harrison M., assignor to New Dictatype Company, Incorporated, Wilmington, Del. Paper supply and receiving tray for stenographic typewriters. 2,534,391, Dec. 19.
Von Fuchs, George H., Wood River, Ill., and N. B. Wilson, Alton, Ill., assignors to Shell Development Company, San Francisco, Calif. Stabilized bituminous compositions. 2,507,070, May 9.
Von Glahn, William H., Loudonville, assignor to General Aniline & Film Corporation, New York, N. Y. Azo dyes. 2,496,255, Jan. 31.
Von Glahn, William H., Loudenville, assignor to General Aniline & Film Corporation, New York, N. Y. Azo dyes. 2,497,246, Feb. 14.
Von Glahn, William H., Loudonville, and L. N. Stanley, Delmar, assignors to General Aniline & Film Corporation, New York, N. Y. Diazotypes stabilized with sulfo amino benzoic acids. 2,496,240, Jan. 31.
Von Glahn, William H., Loudonville, and L. N. Stanley, Delmar, assignors to General Aniline & Film Corporation, New York, N. Y. Diazotype layers containing resorcinol mono-ethers. 2,516,931. Aug. 1.
Von Glahn, William H., Loudonville, and L. N. Stanley, Delmar, assignors to General Aniline & Film Corporation, New York, N. Y. Diazotypes containing dialkoxy phenols. 2,523,889, Sept. 26.
Von Glahn, William H., Loudonville, L. N. Stanley, Delmar, and G. T. Parker, Albany, assignors to General Aniline & Film Corporation, New York, N. Y. Diazotype compositions containing ethylene oxide derivatives of amino diazos. 2,528,460, Oct. 31.
Von Glahn, William H., Loudonville, and L. N. Stanley, Delmar, assignors to General Aniline & Film Corporation, New York, N. Y. Diazotype composition containing N-hydroxyethyl-m-toluidine-p-diazos. 2,529,464, Nov. 7.
Von Glahn, William H., Loudonville, L. N. Stanley, Delmar, and M. A. Hand, Albany, assignors to General Aniline & Film Corporation, New York, N. Y. Diazotypes comprising amine salts of sulfonic acid containing azo components. 2,531,485, Nov. 28.
Von Goten, Edward G.: *See*—
Hein, Louis T., and von Goten.
Von Gunten, Edward G., Akron, Ohio. Trouser hanger. 2,513,535, July 4.
Von Haase, Anthony V., Cleveland, Ohio, assignor, by mesne assignments, to American Type Founders, Incorporated, Elizabeth, N. J. Collator. 2,505,925, May 2.
Von Haase, Victor A., Rocky River, Ohio, assignor to Chipper Equipment Company, Inc. Dispensing pump apparatus. 2,522,652, Sept. 19.
Von Hacht, William H., Bronxville, N. Y., assignor to Underwood Corporation. Machine supporting assembly for business machines. 2,533,155, Dec. 5.
Von Hasseln, Harold J.: *See*—
Maylich, Milton J., and von Hasseln.
Von Hildebrandt, Paul G., Port St. Joe, Fla. Separating cooking liquor from pulp. 2,534,324, Dec. 19.
Von Hofe, George W., Bound Brook, assignor to New Jersey Machine Corporation, Hoboken, N. J. Machine and method for applying labels to articles on a conveyer. 2,524,945, Oct. 10.
Von Hofe, George W., Bound Brook, assignor to New Jersey Machine Corporation, Hoboken, N. J. Labeling machine and method using labels coated with thermoactivatable adhesive. 2,524,946, Oct. 10.
Von Hofe, George W., Bound Brook, and H. A. Nefzger, Hackensack, assignors to New Jersey Machine Corporation, Hoboken, N. J. Label applying mechanism. 2,525,504, Oct. 10.
Von Hofe, George W., Bound Brook, N. J., E. E. Lakso and A. S. Chandler, Fitchburg, Mass., assignors to New Jersey Machine Corporation, Hoboken, N. J. Label activating and applying apparatus. 2,525,741, Oct. 10.

Von Hofe, George W., Bound Brook, assignor to New Jersey Machine Corporation, Hoboken, N. J. Label feeding machine. 2,530,670, Nov. 21.

Von Hoorn, Fred G., Nichols, Conn., assignor to General Electric Company. Circuit breaker. 2,522,241, Sept. 12.

Vonk, Corneilius, Muskegon Heights, Mich., assignor to Borg-Warner Corporation, Chicago, Ill. Pump for washing machines and the like. 2,526,982, Oct. 24.

Von Kohorn, Henry, Westchester County, N. Y. Producing yarn. 2,517,946, Aug. 8.

Von Korff, Richard W.: *See*—
Morell, Samuel A., and Von Korff.

Von Kraemer, Ivan G. H., Stockholm, Sweden. Ribbon disk for typewriters. 2,506,255, May 2.

Von Loon, Carel J., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Oscillator circuit arrangement. 2,531,312, Nov. 21.

Von Losberg, Lester W., and A. Friedman, assignors to Joe Lowe Corporation, New York, N. Y. Apparatus for inserting sticks in stick holders. 2,527,471, Oct. 24.

Von Migula, Gerhard, Flintridge, assignor to Pacific Airmotive Corporation, North Hollywood, Calif. Engine mount. 2,524,413, Oct. 3.

Von Mülinen, Egbert, Ennetbaden, Switzerland. Supervisory control system. 2,509,850, May 30.

Vonnegut, Bernard: *See*—
Schaefer, Vincent J., and Vonnegut.

Vonnegut, Bernard, Alplaus, N. Y., assignor to General Electric Company. Generating silver iodide smoke. 2,527,231, Oct. 24.

Vonnegut Hardware Company, assignee: *See*—
Eichacker, Homer.

Von Palmenberg, Raymond T., New York, N. Y. Clip. 2,504,765, Apr. 18.

Von Pein, Edward J., Dayton, Ohio. Spool and rod supporting structure for fishing reels. 2,502,608, Apr. 4.

Von Pein, Edward J., Dayton, Ohio. Fishing reel. 2,528,926, Nov. 7.

Von Platen, Baltzar C., Stockholm, Sweden. Removing dissolved salts from the liquid solvent. 2,520,186, Aug. 29.

Von Ruden, Norbert A., assignee: *See*—
Von Ruden, Raymond E.

Von Ruden, Raymond E., Claremont, assignor of fifty per cent to N. A. Von Ruden, Minneapolis, Minn. Drag-saw attachment for tractors. 2,513,697, July 4.

Von Saspe, Henry C., Bound Brook, assignor, by mesne assignments, to Worthington Pump and Machinery Corporation, Harrison, N. J. Water tank for concrete mixer, with mixing-water and flushing-water compartments, and a discharge valve for each compartment. 2,526,520, Oct. 17.

Von Schlegell, Frederick, Los Angeles, Calif. Tractor hitch. 2,514,614, July 11.

Von Seemann, Carl: *See*—
Grant, Gordon A., and von Seemann.

Von Stackelberg, Yurgen Z., Baltimore, assignor to The Glenn L. Martin Company, Middle River, Md. Valve. 2,517,061, Aug. 1.

Von Stoeser, Walter, Lake Villa, assignor to R. T. Moloney, Chicago, Ill. Snap switch. 2,500,476, Mar. 14.

Von Stoeser, Walter, North Tonawanda, N. Y., assignor to The Rudolph Wurlitzer Company, Chicago, Ill. Package vending machine. 2,497,748, Feb. 14.

Von Suppiny, Edmund, Sr., Newark, N. J. Lens attachment adapter for cameras. 2,502,609, Apr. 4.

Von Suttka, James I. M., Ladies Island, S. C. Rudder structure. 2,522,653, Sept. 19.

Von Sydow, Rudolph W., Middletown, Ohio, assignor to The Gardner Board and Carton Co. Mechanism and method for introducing contents into cartons. 2,506,819, May 9.

Von Till, Louis A., and F. Schallenkammer, Brooklyn, N. Y., assignors to Mundet Cork Corporation, North Bergen, N. J. Cap counting device for packaging machines. 2,528,196, Oct. 31.

Von Wangenheim, Adolf, assignor to Detroit Lubricator Company, Detroit, Mich. Pump and pressure-regulating unit. 2,497,247, Feb. 14.

Von Wehrden, Frederick W., assignor to Broderick & Bascom Rope Company, St. Louis, Mo. Sling and end fitting. 2,495,951, Jan. 31.

Von Zimmermann, Max K. Trenton, N. J. Universal screw propeller generator. 2,524,091, Oct. 3.

Voogd, Jacob: *See*—
Kroger, Ferdinand A., and Voogd.

Voorderman, Arend: *See*—
Berg, Egon G., and Voorderman.

Voorhees, Fredric V., Rushville, Ill. Scrubbing brush. 2,501,426, Mar. 21.

Voorhees, Layson W., Michigan City, Ind. Filter. 2,522,975, Sept. 19.

Voorhees, Vanderveer, Homewood, assignor to Standard Oil Company, Chicago, Ill. Pressuring fluidized solids. 2,495,152, Jan. 17.

Voorhees, Vanderveer, Homewood, assignor to Standard Oil Company, Chicago, Ill. Heat exchange. 2,499,043, Feb. 28.

Voorhees, Vanderveer, Homewood, assignor to Standard Oil Company, Chicago, Ill. Applying promoters to catalyst. 2,500,331, Mar. 14.

Voorhies, Alexis, Jr., East Baton Rouge, La., assignor to Standard Oil Development Company. Production of gas mixtures containing CO and H_2. 2,526,521, Oct. 17.

Voorhies, Alexis, Jr., Baton Rouge, La., assignor to Standard Oil Development Company. Hydrocarbon synthesis. 2,533.072, Dec. 5.

Voorhies, Austin I., Miami, Fla. Label moistening and/or gumming device. 2,503,694, Apr. 11.

Voorhies, Austin I., Miami, Fla. Label moistening and/or gumming device. 2,517,263, Aug. 1.

Voorhies, Harry E., Grosse Pointe Woods, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio. Hydraulic compensating mechanism. 2,526,593, Oct. 17.

Voorhies, Hugh G.: *See*—
Titterton, Ernest W., and Voorhies.

Voorhorst, Bertha T., Washington, D. C. Copyholder for typists. 2,505,814, May 2.

Voorlas, Peter H., Racine, Wis. Rheostat mechanism. 2,517,614, Aug. 8.

Vorbusch, Adolph H., Jr.: *See*—
Vorbusch, Adolph H., Sr., Adolph H., Jr., and B. R.

Vorbusch, Adolph H., Sr., Adolph H., Jr., and B. R., New Orleans, La. Fire escape. 2,519,519, Aug. 22.

Vorbusch, Benjamin R.: *See*—
Vorbusch, Adolph H., Sr., Adolph H., Jr., and B. R.

Vore, Herbert G., Forest Hills, N. Y., assignor to American Seal-Kap Corporation of Delaware, Wilmington, Del. Capping machine. 2,516,278, July 25.

Vore, Milton P.: *See*—
Kroft, Herbert M., and Vore.

Voros, Anton, Jr., assignor of one-half to S. J. Voros, Allen Park, Mich. Circuit breaker arrangement for electromagnetically operated reciprocating devices. 2,497,105, Feb. 14.

Voros, Stephen J., assignee: *See*—
Voros, Anton, Jr.

Vorsanger, Fritz, Englewood, N. J. Multiple compartment condiment holder. 2,526,308, Oct. 17.

Vosbikian, James, assignor to Hancock Tool Manufacturing Company, Philadelphia, Pa. Latching mechanism for bladed tools. 2,504,766, Apr. 18.

Vosbikian, Peter S. and T. S., Melrose Park, Pa. Shears. 2,503,978, Apr. 11.

Vosbikian, Peter S. and T. S., Melrose, Pa. Shears. 2,528,326, Oct. 31.

Vosbikian, Peter S. and T. S., Melrose, Pa. Window cleaner. 2,534,086, Dec. 12.

Vosbikian, Thomas S.: *See*—
Vosbikian, Peter S. and T. S.

Vosburgh, Harold J., White Plains, N. Y. Glass holder. 2,506,321, May 2.

Vosburgh, Malcolm C.: *See*—
Bruck, George G., Sprague, and Vosburgh.

Vose, Edwin W., Orange, N. J., assignor to Spray Process Co. Inc., New York, N. Y. Spraying device for liquids. 2,528,927, Nov. 7.

Vosler, Edward J.: *See*—
Williams, Lawrence, and Vosler.

Vosper, Richard W., Essex, Conn. Ratchet handle. 2,512,755, June 27.

Vosper, Richard W., Washington, D. C. Die head. 2,517,062, Aug. 1.

Voss Engineering Company, assignee: *See*—
Shields, William D.

Voss, Fred: *See*—
Moore, Charles S., Voss, and Biermann.

Voss, Johann H. H., White Plains, N. Y. Valve. 2,525,054, Oct. 10.

Voss, John H., Downers Grove, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Private automatic telephone system of the passing call type. 2,496,902, Feb. 7.

Voss, John H., Rochester, N. Y., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Adapter circuit for establishing connections between automatic and magneto type subscribers. 2,516,814, July 25.

Voss, John H., Rochester, N. Y., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Circuit for operators' transmitters and receivers in series. 2,516,815, July 25.

Voss, John H., Rochester, N. Y., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Circuit for identifying the trunk connected to an operator's position. 2,530,103, Nov. 14.

Voss, John H., Rochester, N. Y., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Relay automatic telephone system. 2,530,104, Nov. 14.

Voss, John H., Rochester, N. Y., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Two-party metering and line adapter. 2,535,765, Dec. 26.

Voss, John H., and R. W. Jones, Rochester, N. Y., assignors to Automatic Electric Laboratories, Inc., Chicago, Ill. Relay automatic telephone system. 2,530,845, Nov. 21.

Voss, John H., and R. W. Jones, Rochester, N. Y., assignors to Automatic Electric Laboratories, Inc., Chicago, Ill. Relay automatic telephone system. 2,535,764, Dec. 26.

Voss, Walter W., Chicago, C. A. Getz, Glen Ellyn, and J. C. Hesson, assignors to Cardox Corporation, Chicago, Ill. Method and apparatus for charging vessels with solid carbon dioxide. 2,496,185, Jan. 31.

Vossberg, Carl A., Lynbrook, assignor to Standard Electronic Research Corporation, New York, N. Y. Electrical measuring system. 2,510,485, June 6.
Vosseler, Max, Roselle Park, and K. Starz, Elizabeth, assignors to G. Wuerthner, Linden, N. J. Golf bag carrier. 2,500,588, Mar. 14.
Vossen, Edward, Lynbrook, assignor to Stop-Motion Devices Corp., Brooklyn, N. Y. Stop motion for knitting machines with full range adjustment. 2,515,479, July 18
Votruba, Vojtěch, assignor to Koh-I-Noor Pencil Factory L. & C. Hardtmuth, Ceske Budejovice, Czechoslovakia. Propelling magazine pencil. 2,515,917, July 18.
Votruba, Vójtěch, assignor to Koh-I-Noor L. & C. Hardtmuth, National Corporation, Ceske Budejovice, Czechoslovakia. Push-cap operated pencil. 2,532,748, Dec. 5.
Voyls, Raymond A. : *See*—
Briggs, Quentin L., and Voyls.
Voysey, Alfred E., West Newton, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Seal and bearing for rotary shafts of gas compressors. 2,526,594, Oct. 17.
Voytech, Charles F., assignor to Crane Packing Company, Chicago, Ill. Self-contained seal. 2,497,704, Feb. 14.
Voytech, Charles F., Chicago, Ill. Variable-speed transmission. 2,531,996, Nov. 28.
Voytershark, Frank P., and D. L. Churchill, Devon, Milford, Conn., said Voytershark assignor to said Churchill. Self-aligning lawn-mower blade. 2,528,625, Nov. 7.
Vradenburgh, Robert, Yonkers, N. Y., assignor to Ward Leonard Electric Company. Relay. 2,493,371, Jan. 3.
Vredenburg, Arthur, assignor to L. A. Mullaney and M. L. Cherry, Waukesha, Wis. Pie pan juice catcher. 2,501,799, Mar. 28.
Vrla, Joe E. : *See*—
Bryan, William J., and Vrla.
Vroman, John C., Detroit, Mich. Piston ring for oil pumps. 2,504,363, Apr. 18.
Vroom, Kenneth E. : *See*—
Cataldo, John B., and Vroom.
Vrooman, Dorothy H., assignee : *See*—
Miller, William J.
Vrotacoe, John, E. S. and J. L. Desaulniers, Waterbury, Conn. Sanitary toothbrush holder. 2,520,819, Aug. 29.
Vuille, Bernard A., assignor to Watford Electric & Manufacturing Company Limited, Watford, England. Apparatus for comparing the rates of operation of two contact devices. 2,530,214, Nov. 14.
Vujovich, Nick, assignee : *See*—
Gamache, Homer.
Vulcan Iron Works, assignee : *See*—
Hegenbarth, Francis.
Vulcan Radiator Company, The, assignee : *See*—
Waterman, George D.
Vulcan Safety Razor Corporation, assignee : *See*—
Tuerff, Frank A.
Vulcan Soot Blower Corporation, assignee : *See*—
Hibner, De Lois E., and Arey.
Vutz, Wilhelm : *See*—
Snyck, Adolph J., and Vutz.
Vutz, Wilhelm, Coldwater, Ohio, assignor, by mesne assignments, to Avco Manufacturing Corporation. Baler. 2,497,641, Feb. 14.
Vutz, Wilhelm, Coldwater, Ohio, assignor, by mesne assignments, to Avco Manufacturing Corporation. Guiding clip for reciprocating cutters. 2,500,104, Mar. 7.
Vutz, Wilhelm, Coldwater, assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Release mechanism for mowers. 2,520,107, Aug. 22.
Vutz, Wilhelm, Coldwater, Ohio, assignor, by mesne assignments, to Avco Manufacturing Corporation. Power lift mechanism for implements. 2,523,890, Sept. 26.
Vutz, Wilhelm, and L. H. Bruggeman, Coldwater, Ohio, assignors, by mesne assignments, to Avco Manufacturing Corporation. Baler mechanism. 2,498,319, Feb. 21.
WFL Drum Company, assignee : *See*—
Strupe, Cecil H.
W-W Tool Company, assignee : *See*—
Walton, Edward L.
Waara, David H., Detroit, assignor to R. L. Brown, Ferndale, Mich. Molding clip. 2,521,317, Sept. 5.
Waards, Hendrikus F., Amsterdam, Netherlands, assignor to Superflex Plywood Corporation, New York, N. Y. Producing composite plates or sheets. 2,508,128, May 16.
Wabash Fibre Box Co., assignee : *See*—
Tichenor, Harold D.
Waber, James W., Chicago, Ill. Pneumatic tire. 2,493,047, Jan. 3.
Wacek, Anton, Graz, Austria, assignor to H. Frederiksen, New York, N. Y. Producing muconic acid and its derivatives. 2,534,212, Dec. 19.
Waché, Albert : *See*—
Kahan, Theó, and Waché.
Wachs, Herman, Brooklyn, assignor to U. S. Industrial Chemicals, Inc., New York, N. Y. Amine derivatives of chloromethyl dihydrosafrol. 2,521,811, Sept. 12.
Wachs, Herman, Brooklyn, assignor to U. S. Industrial Chemicals, Inc., New York, N. Y. Ester derivatives of chloromethyl dihydrosafrol. 2,521,812, Sept. 12
Wachs, Herman, Brooklyn, assignor to U. S. Industrial Chemicals, Inc., New York, N. Y. Sulfhydryl derivatives of chloromethyl dihydrosafrol. 2,521,813, Sept. 12.
Wachs, Herman, Brooklyn, and K. Kulka, assignors, by mesne assignments, to U. S. Industrial Chemicals, Inc., New York, N. Y. Insecticidal compositions containing pyrethrin and rotenone extracts. 2,505,698, Apr. 25.
Wachs, Herman, Brooklyn, and K. Kulka, assignors, by mesne assignments, to U. S. Industrial Chemicals, Inc., New York, N. Y. Insecticidal compositions containing pyrethrum extracts and piperonyl cyclohexenones. 2,505,699, Apr. 25.
Wachsman, Michael, Brooklyn, N. Y. Auxiliary belt shifting device. 2,502,768, Apr. 4.
Wachta, Victor, assignor to General Drainage & Pipe Cleaners, Inc., Hammond, Ind. Sewerage system. 2,514,916, July 11.
Wachtel, Hilbert A. : *See*—
Margolis, Ely S., and Wachtel.
Wachtel, Jacques L. : *See*—
Stodola, Frank H., Wachtel, and Coghill.
Wachter, Aaron, and N. Stillman, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Lubricant. 2,514,017, July 4.
Wachter, Aaron, and N. Stillman, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Fuel compositions. 2,514,018, July 4.
Wachter, Edward D., Jr. : *See*—
Mullett, Howard G., and Wachter, Jr.
Wachter, William H., executor : *See*—
Tannenbaum, Morris L.
Wadanoli, Fred F., Bridgeport, Conn. Eyeglass holder and tissue dispenser. 2,522,909, Sept. 19.
Waddell, Clarence C. : *See*—
Antonio, Adolph L., and Waddell.
Waddell, John W., and B. R. Stoltz, Huntington Park, Calif. ; said Waddell assignor to said Stoltz. Siren control. 2,522,414, Sept. 12.
Waddill, Nan C., Irwin, Nebr. Demountable receptacle for motor vehicles. 2,507,842, May 16.
Waddill, Paul M., Bartlesville, Okla., assignor to Phillips Petroleum Company. Thermal and catalytic cracking of hydrocarbons. 2,529,790, Nov. 14.
Wade, Archibald S. : *See*—
Smyth, Charles N., and Wade.
Wade, Charles B. : *See*—
Gray, Griffin W., and Wade.
Wade, Clarence B., Malad City, Idaho. Pump. 2,531,997, Nov. 28.
Wade, Edward H., Tampa, Fla. Slide for shade cloths used in tobacco growing. 2,505,700, Apr. 25.
Wade, Edwin E., Charlottesville, Va. Phase changer switch. 2,506,753, May 9.
Wade, Elmer C., New York, N. Y. Curved tooth roller type land clearing machine combined with tooth cleaner. 2,509,463, May 30.
Wade, Estes M., Burlingame, and L. J. Costa, Oakland, Calif. ; said Costa assignor to said Wade. Lifting velocipede. 2,529,749. Nov. 14.
Wade, Francis A., and W. Metzner, Philadelphia, Pa. Educational device. 2,502,238, Mar. 28.
Wade, Franklin R. : *See*—
Battles, Willis R., and Wade.
Wade, George H., Sr., Manville, N. J. Combination propagator, incubator, and brooder. 2,497,381, Feb. 14.
Wade, Henry N., Sierra Madre, Calif. Water-cooling system. 2,517,812, Aug. 8.
Wade, Milton S. : *See*—
Hayes, Stanley I., and Wade.
Wade, Willard H. : *See*—
Waldorf, Adrian, and Wade.
Wade, William S., administrator : *See*—
Price, David R., and Grayson.
Wadhams, James B., assignor to The Ohio Crankshaft Company, Cleveland, Ohio. High-frequency inductor block. 2,528,714, Nov. 7.
Wadhams, James B., A. W. Sateren, and J. Sikorski, assignors to The Ohio Crankshaft Company, Cleveland, Ohio. Controlling heating by an induction-heating circuit. 2,511,026, June 13.
Wadleigh, Elbert R., Los Angeles, Calif. Die for thermoplastics. 2,494,974, Jan. 17.
Wadleigh, George R., Hastings on Hudson, assignor of one-half to West Virginia Pulp and Paper Company, New York, N. Y. Discharge hopper. 2,515,166, July 11.
Wadley, Edward F., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Removing oxygenated organic compounds from hydrocarbons. 2,494,371, Jan. 10.
Wadley, Edward F., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Removal of oxygenated compounds from synthetic naphthas. 2,497,967, Feb. 21.
Wadley, Edward F., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Thiophene production from diolefin, hydrogen sulfide, and alumina. 2,521,429, Sept. 5.
Wadman, Lucius E., Mill Valley, and F. J. Gomes, Tiburon, Calif. Bullet lubricator. 2,535,616, Dec. 26.
Wadsworth, Clifford, Blackfoot, assignor of forty-five per cent to F. Young, Idaho Falls, Idaho. Self-sealing jar closure. 2,498,930, Feb. 28.
Wadsworth Electric Manufacturing Co., Inc., The, assignee : *See*—
Landmeier, Edwin W.

Wadsworth, Paul W., Garden City, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Ringer test circuit controlled from station under test. 2,534,564, Dec. 19.

Wadsworth, William E., Tampa, Fla. Intercommunication system. 2,515,432, July 18.

Waeber, Erwin, assignor to Sulzer Frères, Société Anonyme, Winterthur, Switzerland. Internal-combustion power plant combining two-shaft opposed-piston engine, air supply compressor, and exhaust-gas turbine. 2,507,946, May 16.

Waechter, Harry J., Mount Healthy, assignor to P. Benninghofen and E. C. Diesbach, Hamilton, Ohio, as trustees. Arresting means for autographic registers. 2,536,013, Dec. 26.

Waechter, Otto H., North Plainfield, N. J. Treatment of fibro-cement products. 2,531,016, Nov. 21.

Waelde, William E., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Insulator. 2,498,869, Feb. 28.

Wageley, Tevis R., assignor of one-half to Dunn Woolen Company, Martinsburg, W. Va. Picker stick. 2,534,487, Dec. 19.

Wagener, William C., Gary, Ind., assignor to Bear Brand Hosiery Co., Kankakee, Ill. Hosiery suspending device. 2,506,910, May 9.

Wagenhals, Carl W.: *See*—
Pfeffer, Herman F., and Wagenhals.

Wagenknecht, Otto E., Chicago, and C. W. Wandrey, Wheaton, Ill., assignors to Zenith Radio Corporation. Tuning means. 2,502,682, Apr. 4.

Wagg, Reginald, and C. H. Bayliss, Blackheath, near Birmingham, assignor to Accles & Pollock Limited, Oldbury, England. Archery arrow nock mounting. 2,499,044, Feb. 28.

Waggener, Kenneth E.: *See*—
Miller, Ivan O., Sutliff, Shaffer, and Waggener.

Waggoner, George F., Schenectady, N. Y., assignor to General Electric Company. Delay transmission line. 2,507,358, May 9.

Waggoner, Orval C., Mexico City, Mexico. Igniting mechanism. 2,499,547, Mar. 7.

Waggoner, William G., Sacramento, Calif. Lady's purse with decorative panel inserts. 2,522,549, Sept. 19.

Wagley, W. S., assignee: *See*—
Martin, Robert F., and Price.

Wagman, Benjamin, Detroit, Mich. Toy cannon. 2,493,429, Jan. 3.

Wagner, Albert F., Longmeadow, assignor to American Bosch Corporation, Springfield, Mass. Impulse coupling. 2,497,642, Feb. 14.

Wagner, Arthur N., assignor to General Motors Corporation, Dayton, Ohio. Ingredients supply for washing machines. 2,522,242, Sept. 12.

Wagner, Carl D.: *See*—
Brockman, Ellwood W., and Wagner.

Wagner, Carl J., Detroit, Mich. Refrigerator with a top ice box. 2,495,357, Jan. 24.

Wagner, Carl J., Detroit, Mich. Ventilator construction. 2,495,830, Jan. 31.

Wagner, Carl J., Detroit, Mich. Combination hood and hanging holder. 2,506,285, May 2.

Wagner, Carl J., Detroit, Mich. Refrigerator construction. 2,522,730, Sept. 19.

Wagner, Cary R., Utica, Ohio, and W. N. Axe, Bartlesville, Okla., assignors to Phillips Petroleum Company. Drilling fluids and using same. 2,499,548, Mar. 7.

Wagner, Cary R., Utica, Ohio, and W. N. Axe, Bartlesville, Okla., assignors to Phillips Petroleum Company. Drilling fluids. 2,523,977, Sept. 26.

Wagner, Charles F., Swissvale, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Sleet-melting on high-voltage lines. 2,534,935, Dec. 19.

Wagner, Dewey A., Fort Thomas, Ky. Sterilizer. 2,499,891, Mar. 7.

Wagner, E. R., Manufacturing Company, assignee: *See*—
Thiele, Berthold R.
Wagner, Robert S., and Duwe.

Wagner, Eddie B., Portland, Oreg. Reversing attachment for vehicles. 2,502,356, Mar. 28.

Wagner, Eddie B., Portland, Oreg. Hydraulic track tower lift. 2,502,357, Mar. 28.

Wagner, Eddie B., Portland, Oreg. Trussed track tower vehicle. 2,503,181, Apr. 4.

Wagner, Edward W., Parma, Ohio. Hub cap puller. 2,500,221, Mar. 14.

Wagner Electric Corporation, assignee: *See*—
Britt, Bryant L.
Doelling, George L.
Fog, Ivar K.
Klinksiek, Karl W.
Milster, Arthur N.
Regna, Paul G.
Schnell, Steve.

Wagner, Elmer A., Portland, Oreg. Mobile lift. 2,503,180, Apr. 4.

Wagner, Ernest A., Stratford, Conn., assignor to General Electric Company. Feeding granular material to a mill and the like. 2,498,515, Feb. 21.

Wagner, Erwin, assignor to Wagner Sign Service, Incorporated, Chicago, Ill. Display sign. 2,508,553, May 23.

Wagner, Fred R.: *See*—
Hauser, George H., and Wagner.

Wagner, George B., Holbrook, Mass., assignor to Beekman Industries, Inc., New York, N. Y. Refrigerating storage unit. 2,493,647, Jan. 3.

Wagner, George B., Holbrook, Mass., assignor to Beekman Industries, Inc., New York, N. Y. Refrigerating method and apparatus utilizing Dry Ice. 2,496,241, Jan. 31.

Wagner, George B., Holbrook, Mass., assignor to Beekman Industries, Inc., New York, N. Y. Refrigerated shipping container. 2,528,715, Nov. 7.

Wagner, George C., Baltimore, Md. Horological instrument cleaner. 2,496,506, Feb. 7.

Wagner, George H.: *See*—
Bailey, Donald L., and Wagner.
Hance, Charles R., and Wagner.
Strother, Corneille O., and Wagner.

Wagner, George H., Kenmore, N. Y., assignor to The Linde Air Products Company. Chlorosilanes. 2,499,009, Feb. 28.

Wagner, George H., Kenmore, N. Y., assignor to The Linde Air Products Company. Preparing aryl halosilanes. 2,513,123, June 27.

Wagner, Gustave H.: *See*—
Wagner, Harold A. and G. H.

Wagner, Hans P., Atlanta, Ga. Manufacture of rubber-like products. 2,498,931, Feb. 28.

Wagner, Hans P., Atlanta, Ga. Manufacture of rubber-like materials. 2,514,734, July 11.

Wagner, Harold A. and G. H., Portland, Oreg. Clutch and brake device for winch drums and the like. 2,501,198, Mar. 21.

Wagner, Harold A. and G. H., Portland, Oreg. Power-driven vehicle apparatus. 2,516,816, July 25.

Wagner, Harry, Brooklyn, N. Y. Ball runway toy. 2,519,207, Aug. 15.

Wagner, Herbert M., Asbury Park, N. J. Beacon system. 2,505,017, Apr. 25.

Wagner, John, Brooklyn, N. Y. Safety latch mechanism. 2,518,207, Aug. 8.

Wagner, John J., Cedar Rapids, Iowa. Form for constructing tile-faced concrete walls. 2,496,571, Feb. 7.

Wagner, John J., Flushing, N. Y. Cable armor connector. 2,505,312, Apr. 25.

Wagner, John L.: *See*—
Cheney, Raymond E., Wagner, and Lawhead.

Wagner, Julia, Hazleton, Pa. Hand and finger shield. 2,497,749, Feb. 14.

Wagner, Kurt, Zurich, Switzerland, assignor to Daphne Investment Trust, Vaduz, Liechtenstein. Wiring system for the selective filtering of vowel sounds. 2,510,268, June 6.

Wagner, Martin N., Rochester, N. Y. Instant steam generator. 2,505,656, Apr. 25.

Wagner, Melvin, Ambler, assignor to Glenside Bag Company, Glenside, Pa. Machine and method of forming a package. 2,532,871, Dec. 5.

Wagner, Paul, Turtle Creek, Pa. Air pressure operated revolving figure toy. 2,499,892, Mar. 7.

Wagner-Portmann Company, The, assignee: *See*—
Portmann, Milton C., Jr., and Wagner.

Wagner, Richard, Flint, Mich. Straight beam adjustable jaw type vise. 2,507,288, May 9.

Wagner, Richard H.: *See*—
Atwell, Clarence A., and Wagner.

Wagner, Robert J.: *See*—
Davis, Charles P., Jr., Guentner, Wagner, and Vaughn.

Wagner, Robert M., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Disposal of waste cyanide. 2,520,703, Aug. 29.

Wagner, Robert S., and A. J. Duwe, assignors to E. R. Wagner Manufacturing Company, Milwaukee, Wis. Latch and lock. 2,504,364, Apr. 18.

Wagner, Robert W., Chelsea, Mich. Power take-off structure. 2,494,111, Jan. 10.

Wagner Sign Service, Incorporated, assignee: *See*—
Wagner, Erwin.

Wagner, Walter J.: *See*—
Portmann, Milton C., Jr., and Wagner.

Wagner, William, Brooklyn, N. Y. Gasket cutter. 2,493,513, Jan. 3.

Wagoner, William T., Elon College, N. C. Tobacco curing apparatus. 2,505,313, Apr. 25.

Wagstaff, George, Long-Eaton, England, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Electric lamp socket. 2,494,845, Jan. 17.

Wah Chang Trading Corporation, assignee: *See*—
Li, Kuo Ching, and Dice.

Wahl, Albert J., Pleasant Hills, assignor to Miller Pottery Engineering Company, Swissvale, Pa. Apparatus for making mold charges from plastic ceramic materials. 2,494,112, Jan. 10.

Wahl Clipper Corporation, assignee: *See*—
Wahl, Leo J.

Wahl, Leo J., assignor to Wahl Clipper Corporation, Sterling, Ill. Hair drier. 2,514,528, July 11.

Wahl, Lorenz R., and J. E. Ogden, Long Beach, Calif. Tank truck. 2,522,077, Sept. 12.

Wahlberg, Eric C., Stamford, assignor to Electrolux Corporation, Old Greenwich, Conn. Commutator. 2,535,824, Dec. 26.

Wahlberg, Eric C., Stamford, assignor to Electrolux Corporation, Old Greenwich, Conn. Commutator. 2,535,825, Dec. 26.

Wahlberg-McCreary, assignee: *See*—
McCreary, James R.
Wahlberg, Nils E., Chicago, Ill., assignor to Nash-Kelvinator Corporation, Kenosha, Wis. Hydraulic brake master cylinder. 2,501,108, Mar. 21.
Wahlberg, Nils E., Chicago, Ill., assignor to Nash-Kelvinator Corporation, Kenosha, Wis. Gear selecting mechanism. 2,503,893, Apr. 11.
Wahlberg, Nils E., Chicago, Ill., assignor to Nash-Kelvinator Corporation, Kenosha, Wis. Gear selecting mechanism. 2,522,321, Sept. 12.
Wahlberg, Nils E., Chicago, Ill., and J. F. Sladky, Racine, assignors to Nash-Kelvinator Corporation, Kenosha, Wis. Gear selecting mechanism. 2,504,285, Apr. 18.
Wahlberg, Nils E., Chicago, Ill., and J. F. Sladky, Detroit, Mich., assignors to Nash-Kelvinator Corporation, Kenosha, Wis. Throttle control. 2,504,286, Apr. 18.
Wahle, Rolla H., Portland, Oreg. Drafting instrument. 2,515,679, July 18.
Wahlers, Henry J., Bloomfield, N. J. Wrapping machine for comestibles mounted on a stick. 2,518,101, Aug. 8.
Wahlgren, Albert W., Lansing, assignor to Cardox Corporation, Chicago, Ill. Diffuser apparatus for treating liquids with a gaseous medium. 2,502,187, Mar. 28.
Wahlin, Fred W., Oak Park, assignor to Spraying Systems Co., Chicago, Ill. Flat spray nozzle. 2,530,671, Nov. 21.
Wahlin, Fred W., Oak Park, assignor to Spraying Systems Co., Chicago, Ill. Guard for nozzle spray deflectors. 2,535,766, Dec. 26.
Wahlmark, Gunnar A., assignor to Sundstrand Machine Tool Co., Rockford, Ill. Antifriction transmission. 2,525,326, Oct. 10.
Wahnish, George I., Los Angeles, Calif. Shear type razor. 2,510,612, June 6.
Wahnish, George I., Venice, Calif. Chuck adjusting device. 2,513,606, July 4.
Waid, George R., Willoughby, assignor to The Dill Manufacturing Company, Cleveland, Ohio. Vulcanizing unit. 2,495,556, Jan. 24.
Wainer, Eugene, Cleveland, assignor to Cataphote Corporation, Toledo, Ohio. Manufacturing rounded glass particles. 2,524,613, Oct. 3.
Wainer, Eugene, Cleveland Heights, Ohio, assignor, by mesne assignments, to National Lead Company, New York, N. Y. Titanate composition. 2,525,627, Oct. 10.
Wainer, Eugene, Niagara Falls, assignor, by mesne assignments, to National Lead Company, New York, N. Y. Antiperspirant composition. 2,507,128, May 9.
Wain-Roy Corporation, assignee: *See*—
Holopainen, Vaino J.
Wainwright, Lawrence, Brooklyn, assignor to Deering Milliken Research Trust, New York, N. Y. Pneumatic meter or the like. 2,516,932, Aug. 1.
Wait, Robert E., assignor to Hastings Manufacturing Company, Hastings, Mich. Article arranging and transfer mechanism. 2,526,983, Oct. 24.
Wait, William B., deceased, New York, N. Y.; W. H. Battles, A. R. Brennan, W. W. Battles, and W. D. Hart, executors of said W. B. Wait. Gear mechanism for vehicle speedometers. 2,506,562, May 2.
Wait, William H., and W. C. Jordan, Burbank, Calif. Fish tape leader. 2,509,115, May 23.
Wait, William H., and W. C. Jordan, Burbank, Calif. Outlet box support. 2,512,188, June 20.
Waite, Charles F.: *See*—
Waite, Charles L. and C. F.
Waite, Charles L., Dorchester, and C. F. Waite, Cambridge, Mass.; said C. L. Waite assignor to said C. F. Waite. Combination toolholder head. 2,516,493, July 25.
Waite, Cyril W., Cleveland, Ohio. Artificial fish bait. 2,500,442, Mar. 14.
Waite, George F., assignee: *See*—
Sheldon, Stewart L.
Waite, Robert W., Stockton, and F. R. Hampton, Antioch, Calif. Hydraulic clamshell bucket. 2,499,433, Mar. 7.
Waithman, Victor B.: *See*—
Lawrence, Ernest O., Waithman, and Schmidt.
Waitkins, George R., Flemington, N. J., assignor to Battelle Memorial Institute, Columbus, Ohio. Lubricant. 2,506,049, May 2.
Waitkins, George R., and R. S. Shutt, assignors to Battelle Memorial Institute, Columbus, Ohio. Treatment of zinc surfaces. 2,522,474, Sept. 12.
Waitt, Henry: *See*—
Hopkins, Harold H., and Waitt.
Wake, Henry S., Lansdowne, Pa. Measuring device. 2,517,264, Aug. 1.
Wakefield, F. W., Brass Company, The, assignee: *See*—
Wakefield, George P.
Wakefield, Frank B., Auburn, Maine. Picker stick check strap. 2,533,646, Dec. 12.
Wakefield, George P., assignor to The F. W. Wakefield Brass Company, Vermilion, Ohio. Mounting strap. 2,509,895, May 30.
Wakefield, Newton, Coeur d'Alene, Idaho. Compass compensator. 2,509,116, May 23.
Wakefield, Walter H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Control for Axminster loom tube frame conveyer systems. 2,521,430, Sept. 5.
Walanka, David, assignee: *See*—
Yeidel, Dorothy R.
Walanka, Morris, assignee: *See*—
Yeidel, Dorothy R.
Walberg, Bernard E., Worcester, Mass. Drum muffler. 2,493,616, Mar. 7.
Walcher, Alfred, assignor to American Steel Foundries, Chicago, Ill. Center filler. 2,528,479, Oct. 31.
Walco Bead Co. Inc., assignee: *See*—
Wallach, Samuel.
Walczak, Michael J., Casper, Wyo. Lamb docking device. 2,493,790, Jan. 10.
Wald, George, St. Petersburg, Fla. Multichannel television system. 2,517,265, Aug. 1.
Wald Morton, New York, J. Brooks, Brooklyn, N. Y., and J. Leaman, Duluth, Minn., said Brooks assignor to I. Silverman, New York, N. Y. Collar display holder. 2,495,153, Jan. 17.
Wald, Sidney, Collingswood, N. J., assignor to Radio Corporation of America. Circuit for measuring phase shift. 2,498,597, Feb. 21.
Wald, Sidney, Collingswood, N. J., assignor to Radio Corporation of America. Remote control system for direct current motors. 2,508,082, May 16.
Wald, Sidney, Philadelphia, Pa., assignor to Radio Corporation of America. High-voltage insulator terminal. 2,496,075, Jan. 31.
Wald, Sidney, Philadelphia, Pa., assignor to Radio Corporation of America. High-voltage inductance coil. 2,511,230, June 13.
Wald, Sidney, Philadelphia, Pa., assignor to Radio Corporation of America. System for converting a variable direct-current potential to an alternating current of controlled phase and amplitude. 2,525,466, Oct. 10.
Waldeck, William F., Grosse Ile, assignor to Wyandotte Chemicals Corporation, Wyandotte, Mich. Manufacture of carboxymethylcellulose. 2,510,355, June 6.
Waldeck, William F., Grosse Ile, assignor to Wyandotte Chemicals Corporation, Wyandotte, Mich. Noncaking alkaryl sulfonate detergent composition. 2,515,577, July 18.
Walden, Mayo K.: *See*—
Balls, Arnold K., Walden, and Thompson.
Walden, Theo W. F., Cherokee, Iowa. Adjustable level. 2,515,680, July 18.
Walden, Willie W., Hugo, Okla. Valve stem dislodging tool. 2,495,040, Jan. 17.
Waldes Kohinoor, Inc., assignee: *See*—
Bluth, Ludwig S., and Feitl.
Feitl, Rudolf.
Roberts, Howard.
Waldherr, William A., assignor to General Steel Warehouse Co., Inc., Chicago, Ill. Saw blade mounting. 2,517,814, Aug. 8.
Waldie, Earl W., Harrington, S. Dak. Riveter for ledger plates. 2,516,279, July 25.
Waldie, James D.: *See*—
Kurtz, Jacob, and Waldie.
Waldie, William A., assignor to New Wrinkle, Inc., Dayton, Ohio. Vinyl air-drying wrinkle composition and applying same. 2,494,597, Jan. 17.
Waldman, Armand S.: *See*—
Goldstein, Herman B., and Waldman.
Waldman, Joseph, Irvington, N. J. Crown sealing device. 2,511,757, June 13.
Waldo, James C., Toledo, Ohio. Telescopic container. 2,506,256, May 2.
Waldorf, Adrian, Arlington, Va., and W. H. Wade, New York, N. Y. Optical lens system. 2,531,956, Nov. 28.
Waldorf Paper Products Company, assignee: *See*—
Cupo, William J.
Dunning, Robert M.
Guyer, Reynolds.
Hennessey, Russell J.
Sandberg, Nels H., and Ronning.
Waldron, Harold E., Detroit, Mich. Electric plug. 2,503,012, Apr. 4.
Waldvogel, Jakob, assignor to Schweizerische Lokomotiv- und Maschinenfabrik, Winterthur, Switzerland. Rail-vehicle bogie with depressed center pin. 2,530,495, Nov. 21.
Waldvogel, Jakob, and G. Borgeaud, assignors to Schweizerische Lokomotiv-und Maschinenfabrik, Winterthur, Switzerland. Bogie for railway rolling stock. 2,510,443, June 6.
Waldvogel, Jakob, and G. Borgeaud, assignors to Schweizerische Lokomotiv-und Maschinenfabrik, Winterthur, Switzerland. Bogie for railway rolling stock. 2,515,812, July 18.
Wale, John: *See*—
Givens, John H., Wale, and Rose.
Wales, Charles C., Mount Lebanon, assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Bottle crate. 2,526,716, Oct. 24.
Wales, Eric J., Calgary, Alberta, Canada. Automatic sealing apparatus for hydraulic systems. 2,501,800, Mar. 28.
Wales, George F., Kenmore, N. Y. Actuating apparatus for punch presses. 2,528,198, Oct. 31.
Wales, Lawrence B., Marblehead, Mass., assignor to General Electric Company. Governing mechanism for multistage elastic fluid turbines. 2,523,078, Sept. 19.
Wales, Lawrence B., Marblehead, Mass., and F. C. Linn, Schenectady, N. Y., assignors to General Electric Company. Hydraulic actuator for turbine stop valves. 2,524,552, Oct. 3.
Wales, Nathaniel B., New York, N. Y. Thermostatic device. 2,500,390, Mar. 14.

Wales, Nathaniel B., assignor to Industrial Patent Corporation, New York, N. Y. Binary gaseous heat engine. 2,502,542, Apr. 4.

Wales, Nathaniel B., assignor to Industrial Patent Corporation, New York, N. Y. Automatically timed coffee maker. 2,515,385, July 18.

Wales, Nathaniel B., assignor to Industrial Patent Corporation, New York, N. Y. Self-opening closure. 2,517,064, Aug. 1.

Wales, Nathaniel B., assignor to Industrial Patent Corporation, New York, N. Y. Automatic cooking device. 2,520,788, Aug. 29.

Wales, Nathaniel B., Jr., Morristown, N. J., assignor to Remington Rand, Inc., New York, N. Y. Gaseous discharge tube system. 2,524,213, Oct. 3.

Waletzky, Emanuel, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Composition for the control of coccidiosis. 2,510,486, June 6.

Waletzky, Emanuel, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Composition for the control of coccidiosis. 2,510,487, June 6.

Waletzky, Emanuel, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Coccidiosis control composition. 2,531,754, Nov. 28.

Waletzky, Emanuel, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Composition for controlling coccidiosis. 2,531,755, Nov. 28.

Waletzky, Emanuel, Stamford, and H. W. Marson, Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Turkey blackhead control composition. 2,531,756, Nov. 28.

Walgreen Co., assignee: *See*—
Paulus, Anthony P.

Walk, Udell C., U. S. Navy, Carmel, Calif. Actuating mechanism for inflating devices. 2,527,604, Oct. 31.

Walk, Udell C., U. S. Navy, Carmel, Calif. Actuating mechanism for inflating devices. 2,527,605, Oct. 31.

Walker, Alec H. B., London, England, assignor, by mesne assignments, to The Union Switch and Signal Company, Swissvale, Pa. Apparatus for operating devices having a negative resistance characteristic from an alternating electric current supply circuit. 2,497,522, Feb. 14.

Walker, Alec H. B., London, England, assignor, by mesne assignments, to The Union Switch and Signal Company, Swissvale, Pa. Apparatus for operating devices having a negative temperature characteristic from an alternating current supply circuit. 2,509,380, May 30.

Walker, Arnold W., Holder, Fla. Shredded metal holder. 2,529,434, Nov. 7.

Walker, Bert L., Petaluma, Calif. Lawn mower sharpener. 2,517,947, Aug. 8.

Walker, Brooks, assignee: *See*—
Hauser, George H., and Wagner.

Walker, Brooks, Piedmont, Calif. Bumper for armored track-laying vehicles. 2,500,970, Mar. 21.

Walker, Brooks, Piedmont, Calif. Auxiliary vehicle suspension. 2,518,733, Aug. 15.

Walker, Brooks, Piedmont, Calif. Bullet trap. 2,525,843, Oct. 17.

Walker Brothers (Wigan) Limited, assignee: *See*—
Dunstan, Thomas W.

Walker, Carl R., assignor to Syndicate Glass, Inc., Indianapolis, Ind. Counter partition holder. 2,529,826, Nov. 14.

Walker, Charles D., San Francisco, assignor, by mesne assignments, to Calnetian Blinds, Incorporated, Oakland, Calif. Venetian blind. 2,533,298, Dec. 12.

Walker, Charles R., assignor to The Fox Paper Company, Cincinnati, Ohio. Forming plural ply indented paper pads. 2,502,111, Mar. 28.

Walker, Charles R., assignor to The Fox Paper Company, Cincinnati, Ohio. Indented paper manufacture. 2,502,112. Mar. 28.

Walker, Charles R., assignor to The Fox Paper Company, Cincinnati, Ohio. Indented paper pad. 2,502,113, Mar. 28.

Walker, Charles R., Jersey City, N. J., assignor to American Telephone and Telegraph Company. Teletypewriter switching system. 2,522,003, Sept. 12.

Walker and County Cars Limited, assignee: *See*—
Tapp, Ernest T. J.

Walker, Curtis: *See*—
Turchan, Manuel, and Walker.

Walker, David S.: *See*—
Tandler, William S., and Walker.
Tandler, William S., Walker, and de Wiess.
Tandler, William S., Walker, de Wiess, and Teller.

Walker, Doreen, executrix: *See*—
Blumlein, Alan D.

Walker, Francis S., Temple, Tex. Cemetary lot curbing. 2,532,524, Dec. 5.

Walker, Frank R., and F. H. Young, Long Beach, Calif. Rectal dilator and medicator. 2,499,045, Feb. 28.

Walker, George L.: *See*—
Waller, Ernest F., Walker, and Adams.

Walker, Harlan H., Butler, Mo. Strainer. 2,526,784, Oct. 24.

Walker, Harry H., St. Cloud, Minn. Artificial bait. 2,500,477, Mar. 14.

Walker, Henry B., Jr., assignee: *See*—
King, Benjamin M., Jr.

Walker, Isaac F., Hockessin, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Aqueous DDT paste. 2,519,088, Aug. 15.

Walker, James D., assignor to Walker Process Equipment, Inc., Aurora, Ill. Flow-energy mixing tank. 2,528,094, Oct. 31.

Walker, James L., Baytown, Tex., assignor to Standard Oil Development Company. Disposing of fumes containing sulfuric acid. 2,522,475, Sept. 12.

Walker, James R., and R. H. Cook, assignors to Ex-Cell-O Corporation, Detroit, Mich. Random reversing motor control system. 2,502,188, Mar. 28.

Walker, James R., and R. H. Cook, assignors to Ex-Cell-O Corporation, Detroit, Mich. High-frequency generator for induction motors. 2,502,189, Mar. 28.

Walker, James S., San Francisco, Calif. Air conditioning cooling system for steam condensers. 2,530,443, Nov. 21.

Walker, Jerome F., Victor, N. Y., assignor to Stewart-Warner Corporation, Chicago, Ill. Lubricating apparatus. 2,521,615, Sept. 5.

Walker, Jessie R., Los Angeles, Calif. Decorative candle support. 2,508,933, May 23.

Walker, John M., Mystic, Conn. Ignition coil tester. 2,501,802, Mar. 28.

Walker, John M., Jr., Houma, La. Locking device for core barrels and the like. 2,521,886, Sept 12.

Walker, Joseph B., Hollywood, Calif. Magnetic sound recording apparatus. 2,498,746, Feb. 28.

Walker, Joseph B., Hollywood, Calif. Magnetic recording apparatus. 2,499,895, Mar. 7.

Walker, Joseph B., Hollywood, Calif. Indicator for the blind. 2,506,946, May 9.

Walker, Joseph B., Hollywood, Calif. Photographic camera lens system. 2,506,947, May 9.

Walker, Joseph B., Hollywood, Calif. Lens adjusting mechanism. 2,515,104, July 11.

Walker, Joseph B., Hollywood, Calif. Translucent recording medium. 2,522,078, Sept. 12.

Walker, Joseph B., Hollywood, Calif. Camera and flash-lamp synchronizing device, including auxiliary shutter. 2,525,160, Oct. 10.

Walker, Joseph B., Hollywood, Calif. Lens adjusting mechanism for cameras. 2,532,684, Dec. 5.

Walker, Joseph B., Hollywood, Calif. Lens adjusting mechanism. 2,532,685, Dec. 5.

Walker, Joseph F., Westfield, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Paraformaldehyde from formaldehyde-containing gas. 2,529,269, Nov. 7.

Walker, Joseph F., Westfield, and T. J. Mooney, Perth Amboy, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of new chlorine-containing ethers. 2,532,044, Nov. 28.

Walker, Kenneth J.: *See*—
Hawk, Carson E., and Walker.

Walker, Kyle B., assignor to Lane, Walker & Gravely, Inc., Roanoke, Va. Skillet for simultaneously and uniformly cooking articles on top and bottom. 2,506,754, May 9.

Walker, Lionel, Sheffield, England. Mixing of granular material with liquids. 2,516,436, July 25.

Walker, Louie L., Jr., Highlandale, Miss. Cotton harvester and cleaner. 2,513,259, June 27.

Walker Manufacturing Company of Wisconsin, assignee: *See*—
Jacokes, Benton D.

Walker, Merle H., and P. R. Haskell, Ilion, N. Y., assignors to Remington Arms Company, Inc., Bridgeport, Conn. Firing mechanism for firearms. 2,514,981, July 11.

Walker, Nelson C., Montclair, and G. W. Gmitter, Jersey City, N. J., assignors to City Tank Corporation, Corona, N. Y. Garbage collector truck. 2,508,877, May 23.

Walker, Nelson L.: *See*—
Parsegian, Vozcan L., Fairchild, and Walker.

Walker, Nelson W., Youngstown, Ohio. Icer for bakery products. 2,531,093, Nov. 21.

Walker Process Equipment, Inc., assignee: *See*—
Walker, James D.

Walker, Robert M., Belmont, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Indicating circuit. 2,501,110. Mar. 21.

Walker, Roland, and C. R. Wilkin, Manchester, and H. G. Cooper, Ashton-under-Lyne, and J. T. Brown, Alkrington, England. Removal of hydrogen sulfide from gases. 2,503,528, Apr. 11.

Walker, Ruth A., Manhasset, N. Y., and J. P. Sickels, Coral Gables, Fla., assignors to American Cyanamid Company, New York, N. Y. Alkamine esters of 1-aryl-2,5-dialkyl-pyrrole-3,4-dicarboxylic acids. 2,527,165, Oct. 24.

Walker, Samuel J., Lake Forest, assignor to Chicago Railway Equipment Company, Chicago, Ill. Railway brake beam support structure. 2,499,549, Mar. 7.

Walker, Scott W., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Separation of organic oxygenated compounds from hydrocarbons. 2,535,071, Dec. 26.

Walker, Scott W., and J. E. Latta, assignors to Stanolind Oil and Gas Company, Tulsa, Okla. Separation of organic oxygenated compounds from hydrocarbons. 2,535,070, Dec. 26.

Walker, Stanley F., Montgomery, Ala. Midget refrigerator. 2,512,077, June 20.

Walker, Ulysses S., Austin, Pa. Overall garment. 2,501,111, Mar. 21.
Walker, Wilbur E., Wichita, Kans. Auxiliary keyboard. 2,535,178, Dec. 26.
Walker, William, Toronto, Ontario, Canada. Board game indicator. 2,500,722, Mar. 14.
Walker, William A., Chicago, Ill. Changeaable color exhibiting device. 2,521,028, Sept. 5.
Walker, William A., and L. M. Hill, Eliasville, Tex. Branding chute for cattle. 2,520,585, Aug. 29.
Walker, William D. C.: *See*—
Greaves, Charles D., and Walker.
Walker, William H.: *See*—
Fischer, Albert C., and Walker.
Walker, Woods S., Great Neck, assignor to Consolidated Edison Company of New York, Inc., New York, N. Y. Pilot flame control for fuel burners. 2,509,896, May 30.
Walkolite Company, Incorporated, assignee: *See*—
Allen, John S.
Wall, Byron T., Flushing, N. Y. Water aerator, filter, and heater. 2,515,538, July 18.
Wall, Eugene J., Springfield, Ill. Shoe skate and stop assembly. 2,508,980, May 23.
Wall, Lindsay S., assignor to Wall Manufacturing Company, Inc., Winston-Salem, N. C. Unloading truck. 2,520,291, Aug. 29.
Wall Manufacturing Company, Inc., assignee: *See*—
Wall, Lindsay S.
Wall, Monroe E., Oreland, Pa., assignor to the United States of America as represented by the Secretary of Agriculture. Separating carotene fractions and tocopherol-sterol fractions from green plant materials. 2,527,602, Oct. 31.
Wall, Sam P., assignor to Rite-Way Products Company, Chicago, Ill. Milking machine pulsator. 2,523,795, Sept. 26.
Wall, Sydney T., Ouachita, La. Sod cutter. 2,534,838, Dec. 19.
Wallace Archibald L., Mountain Lakes, N. J. Vulcanizing mold having interlocking segments. 2,533,335, Dec. 12.
Wallace, Bert A., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. String-of-exchanges telephone system. 2,495,191, Jan. 17.
Wallace, Betty O., San Francisco, Calif. Clamp paintbrush holder. 2,532,209, Nov. 28.
Wallace, Burgess P., Brooklyn, assignor to Whitehead Brothers Company, New York, N. Y. Synthetic foundry sands. 2,501,297, Mar. 21.
Wallace, Burgess P., Brooklyn, assignor to Whitehead Brothers Company, New York, N. Y. Baked cores for use in metal casting. 2,507,390, May 9.
Wallace, David A., Detroit, Mich. Device for stacking hay. 2,524,003, Sept. 26.
Wallace, David A., Grosse Pointe Farms, assignor to Chrysler Corporation, Highland Park, Mich. Method and apparatus for surfacing cylindrical objects. 2,498,903, Feb. 28.
Wallace, David A., Grosse Pointe Farms, Mich. Combined hoisting apparatus and automatic cover structure therefor. 2,530,137, Nov. 14.
Wallace, David A., Grosse Pointe Farms, and R. E. Hewlett, assignors to Hewlett Manufacturing Company, Detroit, Mich. Fruit juice extracting machine. 2,515,748, July 18
Wallace, David A., Grosse Pointe Farms, and R. E. Hewlett, assignors to Hewlett Manufacturing Company, Detroit, Mich. Fruit juice extracting machine. 2,515,749, July 18.
Wallace, Duane W.: *See*—
Goolsbee, Charles C., and Wallace.
Wallace, Edward H., Detroit, Mich., assignor to United States Rubber Company, New York, N. Y. Making composite wire. 2,509,117, May 23.
Wallace, Frank C., North Hollywood, Calif. Retractable pen and pencil device. 2,505,162, Apr. 25.
Wallace, Fred C., Belleville, N. J., and M. Rogoff, assignors to International Standard Electric Corporation, New York, N. Y. Telemetering system for radio links. 2,524,861, Oct. 10.
Wallace, Frederick J., assignor to American Cystoscope Makers, Inc., New York, N. Y. Endoscope. 2,516,494, July 25.
Wallace, Frederick J., assignor to American Cystoscope Makers, Inc., New York, N. Y. Instrument for retrograde electrosurgical resection. 2,532,043, Nov. 28.
Wallace, George R., Lakewood, N. J. Radius gauge. 2,499,434, Mar. 7.
Wallace, George W.: *See*—
Fletcher, James H., Treadwell, and Wallace.
Wallace, George W., Benton, Ill. Concrete composition. 2,524,947, Oct. 10.
Wallace, George W., Benton, Ill. Carbonization apparatus. 2,531,998, Nov. 28.
Wallace, Herbert A., San Francisco, Calif., assignor to The Union Switch and Signal Company, Swissvale, Pa. Railway train communication apparatus. 2,502,123, Mar. 28.
Wallace, James M., Braddock, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,519,300, Aug. 15.
Wallace, James M., Braddock, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,528,197, Oct. 31.
Wallace, James M., Braddock, and A. W. Edwards, Wilkinsburg, assignors to Westinghouse Electric Corporation. Fuse block and receptacle mounted on bus bars. 2,524,004, Sept. 26.
Wallace, John J., Wilder, Idaho. Foliage destroying machine and beet topper. 2,504,365, Apr. 18.
Wallace, Joseph S., Browns, Ala., assignor to Standard Oil Company, Chicago, Ill. Nonfoaming lubricant composition. 2,533,700, Dec. 12.
Wallace, Le Roy W.: *See*—
Nelson, Ivar, and Wallace.
Wallace, Marcel, assignee: *See*—
Hurvitz, Hyman.
Wallace, Marcel, East Port Chester, Conn., assignor, by mesne assignments, of one-half to Panoramic Radio Corporation, New York, N. Y. Radio receiving system with automatic tuner. 2,496,832, Feb. 7.
Wallace, Marcel, East Port Chester, Conn. Synchrometric azimuth reporting system. 2,499,894, Mar. 7.
Wallace, Marcel, East Port Chester, Conn., assignor of one-half to Panoramic Radio Corporation, Mount Vernon, N. Y. Dual synchrometric system. 2,534,842, Dec. 19.
Wallace, Marcel, East Port Chester, Conn., assignor of one-half to Panoramic Radio Corporation, Mount Vernon, N. Y. Grated dual synchrometric system. 2,534,843, Dec. 19.
Wallace, Marcel, Fairfield County, Conn., assignor, by mesne assignments, of one-half to Panoramic Radio Corporation, New York, N. Y. Telemetric altitude indicator for aircraft. 2 498,933. Feb. 28.
Wallace, Marcel, Fairfield County, Conn., assignor, by mesne assignments, of one-half to Panoramic Radio Corporation, New York, N. Y. Radar distance and altitude indicator. 2,501,109, Mar. 21.
Wallace, Marcel, Fairfield County, Conn., assignor of one-half to Panoramic Radio Corporation, Mount Vernon, N. Y. Gated tripel synchrometric system. 2,534,844, Dec. 19.
Wallace, Marcel, Fairfield County, Conn., assignor, by mesne assignments, of one-half to Panoramic Radio Corporation, New York, N. Y. Navigational system. 2,535,107, Dec. 26.
Wallace, Marcel, assignor, by mesne assignments, of one-half to Panoramic Radio Corporation, New York, N. Y. High-frequency tuning circuit. 2,498,932, Feb. 28.
Wallace, Marcel, assignor, by mesne assignments, of one-half to M. Wallace, doing business as Panoramic Laboratories, and one-half to Panoramic Radio Corporation, New York, N. Y. Double sweep panoramic radio receiver. 2,502,294, Mar. 28.
Wallace, Marcel, assignor, by mesne assignments, of one-half to M. Wallace, doing business as Panoramic Laboratories, and one-half to Panoramic Radio Corporation, New York, N. Y. Double range panoramic radio receiver. 2,502,295, Mar. 28.
Wallace, Marcel, assignor, by mesne assignments, of one-half to Panoramic Radio Corporation, New York, N. Y. Radio altimeter and panoramic reception system. 2,534,839, Dec. 19.
Wallace, Marcel, assignor, by mesne assignments, of one-half to Panoramic Radio Corporation, New York, N. Y. Radio system for providing vertically separated airways. 2,534,840, Dec. 19.
Wallace, Marcel, Port Chester, Conn., assignor of one-half to Panoramic Radio Corporation, Mount Vernon, N. Y. Telemetric pulse time position recorder. 2,534,841, Dec. 19.
Wallace, Marcel, East Port Chester, Conn., and W. Teu-Liang Wu, assignor to Panoramic Radio Corporation, New York, N. Y. Panoramic position indicator. 2,505,314, Apr. 25.
Wallace, Marie J., Galesburg, Ill. Hair holding device with face lifting function. 2,509,658, May 30.
Wallace Mattie L., Los Angeles, Calif. Bifurcated leg structure optionally supporting luggage sections in horizontal or in vertical and horizontal positions. 2,522,322, Sept. 12.
Wallace, Muriel M., assignee: *See*—
Davis, Malcolm I., Jr.
Wallace, Nelson S.: *See*—
Eakin, John E., and Wallace.
Wallace, Paul E., Omaha, Nebr. Jack. 2,530,138, Nov. 14.
Wallace, R., & Sons Manufacturing Company, assignee: *See*—
Edell, Russell H., and Hall.
Wallace, Robert C., assignor to Marmon-Herrington Company, Inc., Indianapolis, Ind. Transmission and throttle controlling device. 2,495,993, Jan. 31.
Wallace, Robert L., Jr., Coolidge, Tex., assignor to the United States of America as represented by the Office of Scientific Research and Development. Making a diver's combined hose and electrical communication line cable. 2,530,105, Nov. 14.
Wallace, Robert L., Jr., Plainfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transistor microphone with conductive grains. 2,530,745, Nov. 21.
Wallace, Robert L., Jr., Plainfield, N. J., and S. S. Stevens, Cambridge, Mass., assignors to the United States of America as represented by the Executive Secretary of the Office of Scientific Research and Development. Atmospheric static simulator. 2,505,594, Apr. 25.

Wallace, Roger W., and P. J. Ernisse, assignors to Eastman Kodak Company, Rochester, N. Y. Film cradle for roll film cameras. 2,521,956, Sept. 12.

Wallace, Roger W., San Marino, and W. E. Colburn, Inyokern, Calif., assignors to the United States of America as represented by the Secretary of the Navy. Multiple grain rocket for propelling underwater torpedoes. 2,529,465, Nov. 7.

Wallace, Rudolf N., Glastonbury, assignor to United Aircraft Corporation, East Hartford, Conn. Cooling air exit velocity control. 2,523,404, Sept. 26.

Wallace, Rudolf N., Glastonbury, assignor to United Aircraft Corporation, East Hartford, Conn. Control of engine cylinder temperatures. 2,533,156, Dec. 5.

Wallace, Sidney J., Vancouver, British Columbia, Canada, assignor to American Can Company, New York, N. Y. Conveyer with toggle locking feed dog. 2,530,412, Nov. 21.

Wallace, Stanley, Des Plaines, Ill. Centrifugal governor device. 2,495,617, Jan. 24.

Wallace, Stanley, Detroit, Mich. Photographic print drier. 2,525,159, Oct. 10.

Wallace Supplies Manufacturing Co., assignee: *See*— De Witt, Edward J.

Wallace, Thomas D., Winnebago, Minn. Handrail for bathtubs. 2,511,756, June 13.

Wallace, Thomas, IV, assignee: *See*— Davis, Malcolm I., Jr.

Wallace & Tiernan Co., Inc., assignee: *See*— Booth, George M.

Wallace & Tiernan Products Corporation, assignee: *See*— Pryor, Dean E.
Pryor, Dean E., and Baker.

Wallace & Tiernan Products, Inc., assignee: *See*— Baker, John C.
Marks, Henry C., and Strandskov. Reiner, Laszlo.

Wallace, Walter J., Jr., assignor to Cardinal Corporation, St. Paul, Minn. Hoist. 2,517,813, Aug. 8.

Wallace, William M., assignor, by mesne assignments, to R. C. Johnson, Jr., Lubbock, Tex. Comb type cotton harvester. 2,517,063, Aug. 1.

Wallach, George, Chapman Camp, British Columbia, Canada. Resilient heel for shoes. 2,508,318, May 16.

Wallach, Irving D.: *See*— Wallach, Robert S. and I. D.

Wallach, Irving D., Port Washington, assignor to Associated Development and Research Corporation, New York, N. Y. Electric food mixer or the like. 2,502,239, Mar. 28.

Wallach, Robert S.: *See*— Bloomfield, Samuel, and Wallach.

Wallach, Robert S., Madison, N. J., assignor to Associated Development & Research Corporation, New York, N. Y. Tire inflation device. 2,498,596, Feb. 21.

Wallach, Robert S., Madison, N. J., and I. D. Wallach, Port Washington, assignors to Associated Development & Research Corporation, New York, N. Y. Cam operated clutch for electric food mixers or the like. 2,517,744, Aug. 8.

Wallach, Robert S., Madison, N. J., and I. D. Wallach, Port Washington, assignors to Associated Development & Research Corporation, New York, N. Y. Combination lock. 2,529,119, Nov. 7.

Wallach, Robert S., Madison, N. J., and I. D. Wallach, Port Washington, assignors to Associated Development & Research Corporation, New York, N. Y. Support for electric food mixers or the like. 2,529,120, Nov. 7.

Wallach, Roger N., deceased, Briarcliff Manor, N. Y., by G. S. Hills, administrator, New Rochelle, and J. Zender, Ardsley, N. Y., assignors, by mesne assignments, to American Viscose Corporation, Wilmington, Del. Air conditioner. 2,506,656, May 9.

Wallach, Samuel, assignor to Walco Bead Co. Inc., New York, N. Y. Toy loom. 2,504,940, Apr. 18.

Wallance, Donald A., New York, N. Y. Furniture leg connection for channel frames. 2,516,933, Aug. 1.

Wallance, Donald A., New York, N. Y. Furniture leg. 2,527,603, Oct. 31.

Wallans, Samuel: *See*— Sinclair, Donald, and Wallans.

Walle, Ludwig S., Lansdowne, Pa., assignor to General Electric Company. Automatic reclosing electric circuit interrupter. 2,509,024, May 23.

Wallen, George R., and H. R. Trausneck, assignors to Anemostat Corporation of America, New York, N. Y. Valve device. 2,499,893, Mar. 7.

Wallendorf, Edward F., Lynbrook, N. Y., assignor to The Kalart Company Inc., Stamford, Conn. Range finder arrangement for cameras. 2,526,522, Oct. 17.

Wallentin, Ake H., H. O. Carlsson, and J. H. Vesterlund, Goteborg, Sweden. Apparatus for proportioning metaphosphate to a liquid. 2,532,973, Dec. 5.

Waller, Coy W.: *See*— Boothe, James H., and Waller.

Waller, Coy W., Pearl River, assignor to American Cyanamid Company, New York, N. Y. Preparation of 2-amino-4-hydroxy-6-formyl pteridine. 2,517,530, Aug. 1.

Waller, Coy W., and J. H. Mowat, Pearl River, assignors, by mesne assignments, to American Cyanamid Company, New York, N. Y. Synthesis of substituted pteridines. 2,500,296, Mar. 14.

Waller, Ernest F., Burlington, Vt., G. L. Walker, Durham, N. H., and J. F. Adams, Wilmington, Del., assignors to Allied Chemical & Dye Corporation. Metal-containing compounds of nicotine fluosilicate as lousicide. 2,500,303, Mar. 14.

Waller, Fred, Huntington Station, assignor to Eastman Kodak Company, Rochester, N. Y. Measuring device. 2,514,686, July 11.

Waller, George W. and H. H., Dallas, Tex. Auxiliary reloading plate for press feeders. 2,501,553, Mar. 21.

Waller, Gustav M., Dundee, assignor to Burgess-Norton Manufacturing Company, Geneva, Ill. Clutch plate. 2,521,138, Sept. 5.

Waller, Harry H.: *See*— Waller, George W. and H. H.

Waller, Joseph B., Baltimore, Md. Heat exchange device. 2,515,750, July 18.

Waller, Joseph B., Baltimore, Md. Bottle carrier. 2,531,092, Nov. 21.

Waller, Leland C.: *See*— Griffin, Dana A., and Waller.

Waller, Richard J., assignor to Bridgeport Brass Company, Bridgeport, Conn. Heating device and combustion process. 2,497,282, Feb. 14.

Waller, Richard J., Bridgeport, Conn. Heating device and combustion process. 2,533,647, Dec. 12.

Waller, Thomas S.: *See*— Croft, Cyril M., and Waller.

Wallerius, John, assignor to Sunbeam Corporation, Chicago, Ill. Liquid bath furnace. 2,515,618, July 18.

Wallerstedt, Glenn A., Berkeley, and M. Lintz, San Francisco, Calif. Decomposing emulsified waste sludges. 2,501,977, Mar. 28.

Wallerstein Company, Inc., assignee: *See*— Wallerstein, Leo.

Wallerstein, Leo, assignor to Wallerstein Company, Inc., New York, N. Y. Manufacture of crystalline dextrose. 2,531,999, Nov. 28.

Walley, Omar C.: *See*— Austin, Bascum O., Walley, and Exner.

Wallhausen, Clarence W., Morristown, N. J., assignor to United States Radium Corporation, New York, N. Y. Optical instrument illumination device. 2,527,043, Oct. 24.

Wallin, Francis T., Brookline, Mass. Artificial respirator. 2,508,846, May 23.

Wallin, Gus W., Chicago, Ill., assignor to Motorola, Inc. Tunable resonant system. 2,496,321, Feb. 7.

Wallin, Gus W., assignor to Motorola, Inc., Chicago, Ill. Tuning system. 2,496,322, Feb. 7.

Wallin, Hjalmar S., Los Angeles, Calif. Combined tire inflating pressure regulator, pressure gauge, and valve device. 2,501,801, Mar. 28.

Wallin, Lars-Göran: *See*— Berglund, Jonas O., and Wallin.

Wallin, Sven W.: *See*— Bloomquist, Uno O., and Wallin.
Frisk, Nils P. W., and Wallin.

Walling, Cheves: *See*— Kvalnes, Donovan E., and Walling.

Walling, Cheves T., Upper Montclair, N. J., and R. H. Snyder, Chicago, Ill., assignors to United States Rubber Company, New York, N. Y. Polymerization of unsaturated esters of acrylic and methacrylic acids. 2,500,265, Mar. 14.

Walling, James H., Spokane, Wash. Sickle bar lifter. 2,505,445, Apr. 25.

Walling, Joseph M., St. Louis, Mo. Automatic valve timer. 2,511,184, June 13.

Walling, Lawrence J., Keyport, N. J., assignor of one-fifth to C. R. Stoddard, New York, and one-fifth to R. Harding, Jr., Elmsford, N. Y. Buff. 2,493,791, Jan. 10.

Wallis, Barnes N., Weybridge, assignor to Vickers-Armstrongs Limited, London, England. Aircraft with adjustable wings. 2,504,767, Apr. 18.

Wallis, John S.: *See*— Throckmorton, John W., and Wallis.

Wallis, Peter J.: *See*— Gent, Alfred W., and Wallis.

Wallman, Henry, Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Pulse translating circuit. 2,519,802, Aug. 22.

Walls, Merritt L., assignee: *See*— Lawrence, Ruth M.

Walls, William S., Bartlesville, Okla., assignor to Phillips Petroleum Company. Rock coring method. 2,510,300, June 6.

Wallsgrove, Eric R.: *See*— Crawford, John W. C., and Wallsgrove.

Wallstrom, Gustav A., Seattle, Wash. Invalid carrier. 2,523,891, Sept. 26.

Wallsworth, Allan G., and E. C. Nielson, assignors to Harnischfeger Corporation, Milwaukee, Wis. Cupola charging bucket. 2,535,179, Dec. 26.

Walmsley, Cecil T., Canford Cliffs, Bournemouth, England. Reckoning device. 2,493,792, Jan. 10.

Walmsley, David C., Battle Creek, Mich., assignor to Schwitzer-Cummins Company, Indianapolis, Ind. Pump. 2,531,794, Nov. 28.

Walmsleys (Bury) Limited, assignee: *See*— Temperley, John.

Walsh, Allen A., West Englewood, N. J., assignor to Radio Corporation of America. Shock mount for collapsible antennas. 2,498,350, Feb. 21.

Walsh, Arthur, Prescot, England. Floor construction of road vehicles. 2,495,557, Jan. 24.

Walsh, Carroll H.: *See*—
Pittman, Ralph B., and Walsh.

Walsh, Clark F., Charles City, Iowa. Wagon-box elevating and tilting device. 2,524,498, Oct. 3.

Walsh, David C., Jr., and H. G. Schutze, Baytown, Tex., assignors, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Activation of Friedel-Crafts catalyst. 2,521,431, Sept. 5.

Walsh, David C., Jr., and H. G. Schutze, Baytown, Tex., assignors, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Activation of Friedel-Crafts catalysts for polymerization of olefins. 2,521,432, Sept. 5.

Walsh, Edward C., Washington, D. C. Direction finding. 2,533,299, Dec. 12.

Walsh, Edward J.: *See*—
Ekstrand, Sture O., and Walsh.

Walsh, Edward J., Tenafly, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Multiunit electronic discharge device. 2,509,947, May 30.

Walsh, Edward J., Tenafly, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrode assembly for electron discharge devices. 2,527,166, Oct. 24.

Walsh, Edward J., Tenafly, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Making glass window seals. 2,534,392, Dec. 19.

Walsh, Edward J., Tenafly, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrode assembly for electrical discharge devices. 2,534,393, Dec. 19.

Walsh, James F., East Cleveland, Ohio. Pipe support. 2,523,484, Sept. 26.

Walsh, James F., East Cleveland, Ohio. Support for a pipe within a conduit. 2,531,658, Nov. 28.

Walsh, James F., Holland, Mich., D. M. Levitt, Great Neck, N. Y., and A. H. Goodman, Holland, Mich., assignors to Doughnut Corporation of America, New York, N. Y. Brewer's sirup and the like and its manufacture. 2,517,148, Aug. 1.

Walsh, James F., Holland, Mich., D. M. Levitt, Great Neck, N. Y., and A. H. Goodman, Holland, Mich., assignors to Doughnut Corporation of America, New York, N. Y. Apparatus for separating wheat starch and gluten. 2,517,149, Aug. 1.

Walsh, John E., Franklin Park, and S. Lando, assignors to Land-O-Tackle, Inc., Chicago, Ill. Multiple-hook fish bait. 2,521,139, Sept. 5.

Walsh, John F., Scranton, Pa. Screen door. 2,517,514, Aug. 1.

Walsh, John J., St. Louis, Mo. Cover for open heel and toe type shoes. 2,503,460, Apr. 11.

Walsh, John J., assignor to Hamilton, Scheu & Walsh Shoe Co., St. Louis, Mo. Making slip-lasted shoes. 2,533,336, Dec. 12.

Walsh, John J., St. Louis, Mo. Shoe and making the same. 2,533,337, Dec. 12.

Walsh, Michael E., Des Moines, Iowa. Fishing gear. 2,532,045, Nov. 28.

Walsh, Thomas E.: *See*—
Lister, George C. B., and Walsh.

Walsh, William C., Highland Park, Mich. Pedestal. 2,514,109, July 4.

Walshin, Murray, assignor to Silent-Flame Manufacturing Co., Inc., New York, N. Y. Air directing means for gun type oil burners. 2,497,480, Feb. 14.

Walslager, George J., Milwaukee, Wis. Fish pole holder for automobiles. 2,514,266, July 4.

Walstrom, Axel M., Minneapolis, Minn. Power-driven mower. 2,514,917, July 11.

Walt, Albert J.: *See*—
Ahern, William B., and Walt.

Walter, Charles T., Chicago, Ill., assignor, by mesne assignments, to Swift & Company. Valve actuating mechanism. 2,527,341, Oct. 24.

Walter, Edmund D.: *See*—
Stark, John B., and Walter.

Walter, Frances D., and M. W. Michael, Charlotte, N. C. Child's trunks. 2,523,079, Sept. 19.

Walter, Georges, Perroy, Switzerland. Vibrator. 2,505,446, Apr. 25.

Walter, Henry A., Longmeadow, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Aminoplasts containing silicon. 2,514,268, July 4.

Walter, Henry A., Longmeadow, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. 2-oxo-4,5-diimino parabanic acid resins. 2,514,353, July 4.

Walter, Henry A., Longmeadow, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Mono alkyl sulfamides. 2,527,861, Oct. 31.

Walter, Henry A., Longmeadow, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. 2,5-diamino-1-thiadiazine-3,4 resins. 2,534,087, Dec. 12.

Walter, Henry A., Longmeadow, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Stabilized vinyl chloride polymers. 2,534,936, Dec. 19.

Walter, James N., East Elmhurst, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Voice-controlled two-way telephone set. 2,496,186, Jan. 31.

Walter, John M., assignor to The G. A. Gray Company, Cincinnati, Ohio. Planer drive. 2,504,366, Apr. 18.

Walter, John M., assignor to The G. A. Gray Company, Cincinnati, Ohio. Planer toolbox. 2,520,292, Aug. 29.

Walter, John M., assignor to The G. A. Gray Company, Cincinnati, Ohio. Machine tool guide. 2,522,695, Sept. 19.

Walter, John M., assignor to The G. A. Gray Company, Cincinnati, Ohio. Counterbalanced apron for planers and the like. 2,530,343, Nov. 14.

Walter, John M., assignor to The G. A. Gray Company, Cincinnati, Ohio. Table clamp for machine tools. 2,532,046, Nov. 28.

Walter, Lewis A., East Orange, N. J., assignor to Maltbie Laboratories, Inc. Substituted 3,1-benz-2,3,4,5-tetrahydroazepines. 2,520,264, Aug. 29.

Walter, Lewis A., East Orange, N. J., assignor to Maltbie Laboratories, Inc. 1-o-aminobenzoyl-2-β-hydroxyethylpiperidine. 2,529,982, Nov. 14.

Walter, Lewis A., East Orange, and R. H. Barry, Arlington, N. J., assignors to Maltbie Laboratories, Inc. 3-phenyl-2-piperidones. 2,524,643, Oct. 3.

Walter, Paul O., Billings, Mont. Balloon wrapper. 2,531,795, Nov. 28.

Walter, Robison F., Manheim, and W. J. Joyce, Jr., Lancaster, Pa., assignors to Raybestos-Manhattan, Inc., Passaic, N. J. Insulating material. 2,514,170, July 4.

Walter, Wendell W.: *See*—
Freidag, William F., and Walter.

Walterisation Company Limited, The, assignee: *See*—
Drysdale, Royston F., and Parker.

Walters, Cyril E., Chicago, Ill. Portable letter writing device. 2,501,458, Mar. 21.

Walters, Edgar H.: *See*—
Morr, Bert L., Butts and Walters.

Walters, Emmett L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Press for laminating safety glass. 2,525,980, Oct. 17.

Walters, Ernest L., San Francisco, and H. E. Sipple, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Stabilized lubricant. 2,514,982, July 11.

Walters, Forrest W.: *See*—
Boggs, Nelson N., Colegrove, and Walters

Walters, Harry J., Auburn, Wash. Folding chair. 2,528,676, Nov. 7.

Walters, Harry W., Eaglehurst, Pa. Solid flue checker work. 2,519,301, Aug. 15.

Walters, Herbert H., assignor to Price Fireplace Heater & Tank Corp., Buffalo, N. Y. Sheet metal open-hearth heater. 2,494,527, Jan. 10.

Walters, John D., and J. T. Muenzmay, Pittsburgh, Pa. Tip structure for gas torches. 2,496,923, Feb. 7.

Walters, Leonard J.: *See*—
Kraeft, Herman L., and Walters.
Kraeft, Herman L., Walters, and Skerl.

Walters, Ralph D., assignor of one-third to W. Isler, Cleveland, Ohio. Coin control means for beverage vending machines. 2,512,573, June 20.

Walters, Theodore R., Pittsfield, Mass., assignor to General Electric Company. Insulating paper of asbestos and bentonite. 2,493,604, Jan. 3.

Walters, Vernon F., assignor to Howry-Berg Steel & Iron Works, Denver, Colo. Implement towing hitch. 2,528,461, Oct. 31.

Waltke, Edwin H., Los Angeles, Calif. Buffer. 2,496,323, Feb. 7.

Waltman, Robert M., Towson, assignor to Bendix Aviation Corporation, Baltimore, Md. Protective apparatus. 2,508,588, May 23.

Waltner, Wilfred R., Jr., Colorado Springs, Colo. Electric cigarette lighter. 2,514,171, July 4.

Walton, Alston, Baltimore, Md. Guard or fence for eaves troughs. 2,515,027, July 11.

Walton, Edward L., assignor to W-W Tool Company, Milwaukee, Wis. Angle and distance measuring device. 2,495,558, Jan. 24.

Walton, Eric, and B. J. F. Hudson, London, England, assignors to Burroughs Wellcome & Co. (U. S. A.) Incorporated, New York, N. Y. Alpha :beta :2 :2'-tetramethyl-4 :4'-dihydroxystilbene. 2,496,968, Feb. 7.

Walton, Ernest T., St. James, Manitoba, Canada. Tipping device for containers. 2,499,338, Feb. 28.

Walton, George, Oak Lawn, Ill. Skate clamp. 2,524,580, Oct. 3.

Walton, George M., Shaker Heights, assignor, to Air-Maze Corporation, Cleveland, Ohio. Liquid strainer. 2,529,580, Nov. 14.

Walton, George W., Dallas, Tex. Axially engaging air operated clutch. 2,511,520, June 13.

Walton, George W., Farnham Common, England. Television system for simultaneously modulating and projecting a plurality of light lines. 2,509,545, May 30.

Walton, George W., Tulsa, Okla. Unitary crank and eccentric shaft. 2,525,248, Oct. 10.

Walton, Howard T.: *See*—
Woll, Richard F., and Walton.

Walton, Samuel F., Kenmore, and L. B. Bassett, Alfred, assignors to The Exolon Company, Tonawanda, N. Y. Surface-coated abrasive grain. 2,527,044, Oct. 24.

Walton, Thomas M.: *See*—
Laverell, William D., Walton, and Mumberg.
Walton, Warren L., Schenectady, N. Y., assignor to Hercules Powder Company, Wilmington, Del. Emulsion polymerization of unsaturated organic compounds. 2,535,557, Dec. 26.
Walton, William T.: *See*—
Coffey, Charles A., and Walton.
Coffey, Charles A., Walton, and Britan.
Waltz, William, assignee: *See*—
Guercio, Joseph.
Walz, Claude W.: *See*—
Bohmker, Thomas W., Walz, and Clark.
Walz, Claude W., Rock Island, assignor to Deere & Company, Moline, Ill. Beet harvester. 2,534,889, Dec. 19.
Walz, Claude W., Rock Island, and J. H. Clark, assignors to Deere & Company, Moline, Ill. Fertilizer distributor. 2,527,862, Oct. 31.
Walz, Claude W., and R. D. Griff, Rock Island, assignors to Deere & Company, Moline, Ill. Beet harvester. 2,528,804, Nov. 7.
Walz, Claude W., and R. D. Griff, Rock Island, and H. F. Clausen, assignors to Deere & Company, Moline, Ill. Beet harvester. 2,528,805, Nov. 7.
Walz, Claude W., and H. F. Clausen, Rock Island, assignors to Deere & Company, Moline, Ill. Beet harvester. 2,528,806, Nov. 7.
Walz, Claude W., and R. D. Griff, Rock Island, assignors to Deere & Company, Moline, Ill. Detachable tractor mounted implement. 2,533,542, Dec. 12.
Walz, William, assignee: *See*—
Guercio, Joseph.
Wamnes, Irvin, assignee: *See*—
Lindquist, Carl R.
Wampach, Raymond, assignee: *See*—
Consalvo, Gabriel.
Wampler, Herman B.: *See*—
Yost, Walter R., and Wampler.
Wamsley, William G., East Detroit, Mich. Trolley for monorail systems. 2,522,654, Sept. 19.
Wandel, Bronislaw, Boston, Mass. Bedclothes clamp. 2,496,833, Feb. 7.
Wandelt, Richard F., Gladstone, N. J. Heating pot. 2,501,366, Mar. 21.
Wander, A., Dr., A.-G., assignee: *See*—
Hirt, Rudolf.
Wandrey, Clarence W.: *See*—
Wagenknecht, Otto E., and Wandrey.
Wandyak, Anthony, Ballston Spa, N. Y. Portable solarium. 2,493,328, Jan. 3.
Wang, Chao C., South Orange, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electron discharge device of cavity resonator type with reverse flow of electrons. 2,529,668, Nov. 14.
Wang, Ta-Hang: *See*—
Bastick, Raymond E., and Wang.
Wang, Twen S., New York, N. Y., assignor to Radio Corporation of America. Hybrid circuit. 2,511,948, June 20.
Wangner, Philip F., Jr.: *See*—
Whiting, Leo R., and Wangner.
Wangrow, Ervin F., Bingham, Ill. Cartridge clip loading device. 2,493,048, Jan. 3.
Wanke, Karl G., Vienna, Austria. Sprayer. 2,535,469, Dec. 26.
Wannamaker, William H., Jr., Flourtown, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control apparatus. 2,498,101, Feb. 21.
Wannamaker, William H., Jr., Flourtown, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Variable inductance control device. 2,511,608, June 13.
Wannamaker, William H., Jr., Flourtown, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Oscillator controlled relay. 2,511,819, June 13.
Wannamaker, William H., Jr., Flourtown, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electronic control and indication apparatus. 2,514,918, July 11.
Wannamaker, William H., Jr., Flourtown, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Analyzing apparatus. 2,519,615, Aug. 22.
Wannamaker, William H., Jr., Flourtown, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Oscillator and oscillator-controlled relay system. 2,531,313, Nov. 21.
Wannamaker, William H., Jr., Flourtown, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electric proportioning control apparatus with reset. 2,533,411, Dec. 12.
Wannamaker, William H., Jr., Flourtown, and J. C. Mouzon, Wyndmoor, Pa., assignors, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control apparatus. 2,528,626, Nov. 7.
Wanner, Louis R., Philadelphia, Pa., assignor to Hugh H. Eby, Inc. Socket for holding a crystal. 2,494,919, Jan. 17.
Wanner, Louis R., Philadelphia, Pa., assignor to Hugh H. Eby, Inc. Nonmicrophonic socket. 2,505,163, Apr. 25.
Wanner, Walter E., Olean, assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Dispersing device. 2,503,228, Apr. 4.
Wannier, Gregory H., Pitman, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Method and apparatus of measuring the activity of radioactive materials. 2,502,683, Apr. 4.
Wanshel, Jerome N., assignee: *See*—
Whittingham, Barron S.
Wanzer, Arthur W., assignor to Murray & Tregurtha, Inc., Quincy, Mass. Outboard propeller mechanism for boats. 2,499,339, Feb. 28.
Wanzer, Arthur W., assignor to Murray & Tregurtha, Inc., Quincy, Mass. Outboard propeller mechanism for boats with eccentrically mounted shaft housings. 2,532,470, Dec. 5.
War, United States of America as represented by the Secretary of, assignee: *See*—
Alford, Andrew.
Allen, James S.
Arenberg, David L.
Aron, Walter A., Davis, and Hollingsworth.
Ball, Alpheus M.
Baller, Melvin D.
Barker, Maurice E.
Barnard, Harvie, and Wharton.
Barnes, Robert B.
Barnes, Thomas G., and Burger.
Bass, Harland A.
Beardsley, Orie L., Fox, and Braucher.
Bell, Persa R., Jr.
Berger, France B.
Bethe, Hans A.
Bjork, Carold F., and Kochis.
Black, Eric A.
Bonner, Tom W.
Bowen, Dwain B., and Clogston.
Brace, Porter H., Schairer, and Marden.
Bruce, David S., and Klein.
Buchwalter, Louise, and Harvey.
Butt, Charles.
Cady, Willoughby M.
Campbell, Kenneth M.
Chance, Britton.
Clark, Hugh K.
Clark, James L.
Coleman, Joseph E.
Counter, Virgil A., Fairbanks, and Halpern.
Cowen, Sidney T. V., and Shriro.
Craig, Leo S., and Hillman.
Crawford, Franzo H., and Hare.
Cushman, Walton W., and Koren.
Daniel, Arthur F.
Dicke, Robert H.
Driscoll, Clare.
Ehlers, Francis E.
Ellis, Grenville B.
Emslie, Alfred G.
Ercolino, Michael D.
Everhart, Edgar.
Ferry, John D., and Morrison.
Fieser, Louis F., Harris, Hershberg, Morgana, Novello, and Putnam.
Fish, Stanley W.
Fisher, Willis A.
Forbes, Gordon D.
Foster, John S., Jr.
Frazier, Richard E.
Freed, William V.
Garand, John C.
Gardner, Irvine C.
Gardner, John H.
Germeshausen, Kenneth J.
Glassner, Alvin.
Goldfisher, Fred.
Gordy, Walter O.
Gorham, John E., and Silver.
Grass, Albert M.
Greensetein, Jesse L., and Henyey.
Gross, Milton H.
Haworth, Leland J., Lee, and Sherwin.
Heaton, Roy G.
Henyey, Louis G., and Greenstein.
Herlin, Melvin A.
Hess, Gerard C.
Hickman, Clarence N.
Higginbotham, William A., and Pepinsky.
Hirschfelder, Joseph O.
Hoffmann, Allen D.
Hoglund, Ralph H.
Hoglund, Ralph H., Hulsteds, and Yakutis.
Holdam, James V., Jr., and Jones.
Howard, Robert A.
Hudspeth, Emmett L.
Hulstede, George E.
Jarvis, George A.
Jeffries, Carson D., and Overaker.
Johnson, Balbina A., and Melency.
Johnson, Montgomery H., Jr.
Jones, Clarence W.
Jones, William B., Jr.
Jordan, Walter H.
Kanner, Morton H.
Kelly, William I., and Livingood.

War, United States of America as represented by the Secretary of, assignee: *See*—Continued.
Kharasch, Morris S., and Westheimer.
Kline, Morris.
Kusch, Polykarp.
Lawson, James L., and Martin.
Lee, Richard W., and Holmes.
Lewis, Margaret N., and Miller, Jr.
Liljegren, Lyle K.
Lipkin, Harry J.
Lisk, George F., and Stacy.
Lochhead, John L.
Lutz, Robert E., Koepfli, and Buchman.
Lyman, Ernest M.
MacDonald, Robert N.
Mackas, George.
Martinelli, Ernest A.
Mayer, William G.
McConnell, Robert A.
McElhannon, Raymond J.
McMillan, Edward B., and Riblet.
McMorris, John.
McNees, Sterling G.
McNish, Alvin G., and Tuckerman.
Millikan, Glenn A., and Legallais.
Mizen, Carlton A.
Molnar, Julius P., and Carnvale.
Moore, James R.
Morgan, Russell H., and Hodges.
Morrell, Jacque C., and Tobiasson.
Morrell, Jacque C., Tobiasson, and Wright.
Morris, John C.
Nowak, Welville B.
Nightenhelser, Kenneth W.
Oliver, Norman J.
O'Neal, Russell D.
Overacker, Horace E.
Peterson, Glen, and Ercolino.
Pfund, August H.
Piper, William E.
Pope, Winslow B.
Pound, Robert V.
Price, Charles C., and Reitsema.
Price, Charles, Roberts, and Herbrandson.
Purcell, Edward M.
Rabinow, Jacob.
Rambo, William R.
Raymond, Richard.
Raymond, Richard C.
Rhyne, Jeff S.
Riblet, Henry J.
Record, Frank A.
Redcay, Paul W.
Redheffer, Raymond M.
Robertson, Randal McG.
Rosenberg, Paul.
Sackville, William.
Sandvik, Otto, and Chandler.
Schiff, Sigmund.
Sherwin, Chalmers W., and Straus.
Shive, Scott L.
Silent, Harold C.
Sinsheimer, Robert L.
Sirl, William E.
Skinner, Leslie A., and Uhl.
Slack, Frederick F.
Smith, William V.
Smullin, Louis D.
Snyder, Harold R., and Jones.
Soller, Walter, and Kraus.
Speed, Donald K.
Starr, Merle A.
Steinberger, Jack.
Steigerwalt, Oliver I.
Steinke, Robert R.
Stephenson, John G., and Webster.
Stern, Otto.
Stodola, Edwin K.
Sudman, Israel H.
Swarts, Lewis E., Jr.
Todd, William.
Torretti, Theodore T.
Van Atta, Lester C.
Volkmann, John.
Walker, Robert M.
Wallman, Henry.
Warren, Bertram E.
Weiss, Saul.
Wellington, Cary L.
Williams, Chester P.
Williams, John W., and Deutsch.
Williamson, Thurmond A.
Wilman, Jacob.
Witten, Benjamin.
Wolf, James M.
Wu, William I.
Yeater, Max L.
Yost, Russell R., Jr.
Zola, Colman.

Warburg, Joseph H. and R. M., New York, N. Y. Circular saw making. 2,533,648, Dec. 12.

Warburg, Ralph M.: *See*—
Warburg, Joseph H. and R. M.

Ward, Alfred, St. Albans, N. Y. Combination syringe handle. 2,528,095, Oct. 31.

Ward, Arthur J., Washington, D. C. Marine type draft adjuster. 2,521,764, Sept. 12.

Ward, Awarua P.: *See*—
Belgau, Robert C., and Ward.

Ward, Bert G., Jr., assignor to National Cylinder Gas Company, Chicago, Ill. Heating and hardening burner. 2,525,055, Oct. 10.

Ward, Blenkinsop & Company Limited, assignee: *See*—
Goldberg, Alan A., and Ellinger.
Goldberg, Alan A., and Kelly.
Goldberg, Alan A., and Turner.
Pritchard, Gordon J.

Ward, Douglas H., Woodside, N. Y. Typewriter device for repetitively operating a typewriter key. 2,502,494, Apr. 4.

Ward, Ernest A., Longview, Wash. Circuit maker bushing. 2,528,096, Oct. 31.

Ward, Erwin J.: *See*—
Mihalyi, Joseph, and Ward.

Ward, Everette C., Garden City, Mich. Fishing pole holder. 2,502,684, Apr. 4.

Ward, Francis B., Cresskill, N. J., assignor to Anemostat Corporation of America, New York, N. Y. Disk cutting machine. 2,523,978, Sept. 26.

Ward, Frank: *See*—
Morton, Hhomas H., and Ward.

Ward, Frank A., Baltimore, Md. Lighter shield. 2,494,322, Jan. 10.

Ward, Frank W., Jr., Memphis, Tenn. Vent cap. 2,494,679, Jan. 17.

Ward, George C.: *See*—
Seymour, George W., Ward, and Hunter.

Ward, George C., and W. T. Haggerty, Jr., Cumberland, Md., assignors to Celanese Corporation of America. Union dyeing of cellulose-cellulose ester textile materials with vat dyes. 2,524,092, Oct. 3.

Ward, George C., and W. T. Haggerty, Jr., Cumberland, Md., assignors to Celanese Corporation of America. Union dyeing of mixed fabrics of cellulose ester and animal fibers with alkaline reduced vat dye solutions containing swelling agents. 2,524,093, Oct. 3.

Ward, Harris, Burntwood, near Lichfield, England. Means for operating an electric switch at a predetermined time. 2,499,046. Feb. 28.

Ward, Harry H. I., Oklahoma City, Okla. Ceiling paper hanger. 2,523,851, Sept. 26.

Ward, John R., Mill Valley, Calif. Baby bathing device. 2,504,287, Apr. 18.

Ward, Lawrence T.: *See*—
Kochner, William B., and Ward.

Ward Leonard Electric Company, assignee: *See*—
Cohen, Arthur M.
Kebler, Leonard.
Logan, Frank G.
Vradenburgh, Robert.

Ward, Leslie A., Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Gas valve construction. 2,496,834, Feb. 7.

Ward, Leslie A., Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Gas temperature probe of the thermocouple type. 2,496,835, Feb. 7.

Ward, Leslie B., Perris, Calif. Flame cutter. 2,499,938, Mar. 7.

Ward, Mary, assignee: *See*—
Ward, Montague R.

Ward, Maurice N., Tehkummah, Manitoulin Island, Ontario, Canada. Bag holder. 2,521,029, Sept. 5.

Ward, Michael F., Chicago, assignor to Studebaker Machine Co., Maywood, Ill. Antifriction guideway for slidable vise jaws. 2,518,102, Aug. 8.

Ward, Montague R., Long Beach, Calif., assignor by decree of distribution to M. Ward. Rock conveyer ship. 2,532,249, Nov. 28.

Ward, Patrick C., San Francisco, Calif. Injection pump. 2,499,706. Mar. 7.

Ward, Raymond: *See*—
Morill, Weston, Dunn, and Ward.

Ward, Reid, Ottawa, Kans. Combine grain bin unloading attachment. 2,507,873, May 16.

Ward, Richard A.: *See*—
Switzer, Joseph L., and Ward.

Ward, Richard H., St. Albans, N. Y., assignor to Superior Carbon Products, Inc., Cleveland, Ohio. Brush support. 2,520,379, Aug. 29.

Ward, Robert E., Jr., Kansas City, Mo. Apparatus having conical reflector for projecting magnified images. 2,493,430, Jan. 3.

Ward, Robert N.: *See*—
Sadgebury, Herman F., and Ward.

Ward, Robert N., and W. H. Matthews, assignors to The Egry Register Company, Dayton, Ohio. Upright folding machine. 2,495,994, Jan. 31.

Ward, Robert N., and W. H. Matthews, assignors to The Egry Register Company, Dayton, Ohio. Aligning and creasing mechanism for plural webs. 2,506,004, May 2.

Ward, Thomas C., Mount Pleasant, Tex. Live minnow and fish carrier. 2,503,856, Apr. 11.

Ward, Vincent S., and G. K. Hurlbut, assignors to B. M. C. Manufacturing Corp., Binghamton, N. Y. Toggle actuated and adjustably mounted pivoted jaw wrench. 2,500,590, Mar. 14.

Ward, Vincent S., and G. K. Hurlbut, assignors to B. M. C. Manufacturing Corp., Binghamton, N. Y. Toggle actuated and adjustably mounted pivoted jaw wrench. 2,503,783, Apr. 11.

Ward, Wesley K., Jr.: *See*—
Reid, John D., Ward, Jr., and Mazzeno, Jr.

Ward, William D., Decatur, Ill. Data distribution device. 2,518,103, Aug. 8.

Wardell, Robert W., Sullivan, Ind. Liquid level indicator for storage batteries. 2,504,288, Apr. 18.

Warden, Samuel B., Sr., Fairview, Tenn. Electrically heated steam heating exchange. 2,508,736, May 23.

Wardrip, James J., Eureka, Kans. Articulated fish lure. 2,503,529, Apr. 11.

Wardrip, James J., Eureka, Kans. Fishing float and line catch. 2,512,002, June 20.

Wardwell, George W., Jr., Trumbull, assignor to Sargent & Company, New Haven, Conn. Lock. 2,497,750, Feb. 14.

Wardwell, George W., Jr., Trumbull, Conn., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Bomb shackle. 2,534,744, Dec. 19.

Wardwell, George W. Jr., Trumbull, Conn., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Bomb shackle. 2,534,745, Dec. 19.

Ware, Cecil, Houston, Tex. Safety joint. 2,532,686, Dec. 5.

Ware, Lamar M.: *See*—
Harris, Hubert, and Ware.

Ware, Marsden, Huntington Woods, assignor to Packard Motor Car Company, Detroit, Mich. Gearing. 2,500,723, Mar. 14.

Ware, Paul, Pompton Plains, and H. Bernard, Belleville, assignors to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Motor-driven push button tuner. 2,520,749, Aug. 29.

Ware, Richard N., Jr., and R. Cannon, Tallulah, La., assignors to Chicago Mill and Lumber Company, Chicago, Ill. Making paper-covered veneer. 2,521,554, Sept. 5.

Ware, Robert R., Jr., assignor to Chicago Roller Skate Company, Chicago, Ill. Roller skate resilient hanger structure. 2,494,019, Jan. 10.

Warf, James C., Los Angeles, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Extraction process for cerium. 2,523,892, Sept. 26.

Wargo, George W., Live Oak, Fla. Retort type liquid fuel burner with flame deflector and starting pan. 2,517,949, Aug. 8.

Warholoski, Fred, Columbus, Nebr. Plowshare. 2,529,435, Nov. 7.

Waring, Alfred C., Dayton, Ohio. Hydraulic packing and seal. 2,494,598, Jan. 17.

Waring, Charles E., Baltimore, and C. C. Legal, Jr., Pasadena, assignors to The Davison Chemical Corporation, Baltimore, Md. Granulated fertilizer. 2,504,545, Apr. 18.

Waring, Claude L., Glen Cove, N. Y., assignor to Reynolds Metals Company, Richmond, Va. Production of protective coatings on aluminum and alloys thereof. 2,493,934, Jan. 10.

Warkentin, Herman S., Fort Worth, Tex. Electrical cable disconnect. 2,497,523, Feb. 14.

Warkentin, Robert E., San Francisco, assignor of one-fourth to J. A. Sowers, San Fernando, Calif. Clockmaker's tool. 2,496,611, Feb. 7.

Warmack, Ralph H., Dalton, Ga. Needle punch machine. 2,533,540, Dec. 12.

Warman, Elsabeth M., Detroit, Mich. Antisplash shield. 2,508,808, May 23.

Warman, Nathan W., Los Angeles, Calif. Wrench having convex fulcrum detent quickly shiftable along handle rack. 2,503,784, Apr. 11.

Warmath, Perry J., Houston, Tex. Tag holder and protector. 2,527,900, Oct. 31.

Warmey, Bernard A.: *See*—
Gibbs, Thomas B., Laing, and Warmey.

Warmisham, Arthur, assignor to Taylor, Taylor & Hobson Limited, Leicester, England. Highly corrected optical objective with axially spaced spherical aberration correction means. 2,502,543, Apr. 4.

Warmisham, Arthur, assignor to Taylor, Taylor & Hobson Limited, Leicester, England. Optical objective for profile projections. 2,502,544, Apr. 4.

Warmoltz, Nicolaas, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electric discharge tube comprising a liquid cathode and a capacitative ignition electrode provided therein. 2,495,831, Jan. 31.

Warmoltz, Nicolaas, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Device comprising an electric discharge tube and a siphon arrangement within said tube. 2,516,736, July 25.

Warnecke, Robert, and M. Lortie, Paris, France assignors to Compagnie Generale de Telegraphie Sans Fil. Velocity modulation electronic valve. 2,532,796, Dec. 5.

Warner Aircraft Corporation, The assignee: *See*—
Majneri, Ludwig A.

Warner Brothers Company, The, assignee: *See*—
Mueller, William A., and Wissmann.
Thalman, Sally W.
Winton, Franklin W.

Warner, De Ver K., Los Angeles, Calif. assignor to North American Aviation, Inc. Apparatus for measuring ordinates on a strip chart. 2,533,649, Dec. 12.

Warner, Donald T.: *See*—
Moe, Owen A., and Warner.

Warner, Donald T., and O. A. Moe, Minneapolis, Minn., assignors to General Mills Inc. Synthesis of cyanotricarboxylate compounds. 2,506,050, May 2.

Warner, Donald T., and O. A. Moe, Minneapolis, Minn., assignors to General Mills, Inc. Production of β-acylamido-β-carbalkoxy piperidones. 2,513,831, July 4.

Warner, Donald T., and O. A. Moe, Minneapolis, Minn., assignors to General Mills, Inc. Gamma, gamma-dicarbalkoxy butyraldehydes and process. 2,520,666, Aug. 29.

Warner, Donald T., and O. A. Moe, Minneapolis, Minn., assignors to General Mills, Inc. Beta-acetamido-beta, beta-dicarbalkoxy propionaldehydes and process. 2,523,742, Sept. 26.

Warner, Donald T., and O. A. Moe, Minneapolis, Minn., assignors to General Mills, Inc. Producing 4-acetamido-4,4-dicarbalkoxy-1-butanols. 2,523,743, Sept. 26.

Warner, Donald T., and O. A. Moe, Minneapolis, Minn., assignors to General Mills, Inc. Synthesis of aspartic acid. 2,523,744, Sept. 26.

Warner, Donald T., and O. A. Moe, Minneapolis, Minn., assignors to General Mills, Inc. Synthesis of lysine intermediate. 2,523,745, Sept. 26.

Warner, Donald T., and O. A. Moe, Minneapolis, Minn., assignors to General Mills, Inc. Aldehyde products of condensation of acroleins and acylamido malonic and cyanoacetic esters. 2,523,746, Sept. 26.

Warner, Donald T., and O. A. Moe, Minneapolis, Minn., assignors to General Mills, Inc. Alpha-cyano, alpha-alkyl glutaraldehydic acids. 2,532,047, Nov. 28.

Warner, Donald T., and O. A. Moe, Minneapolis, Minn., assignors to General Mills, Inc. Alpha-cyano glutaraldehydic acids. 2,532,048, Nov. 28.

Warner Electric Brake Manufacturing Company, assignee: *See*—
Oetzel, John G.

Warner, Elmer S., Schaumburg Township, Cook County, Ill. Three-phase transformer connection and phase-angle indicator. 2,535,767, Dec. 26.

Warner, Floyd F., M. L. Brooks, and J. E. Bardelmeier, St. Louis, Mo. Piston and cylinder assembly. 2,498,971, Feb. 28.

Warner, Francis A., L. Engleman and C. Angel, Coventry, England, said Warner assignor to said Engleman and said Angel. Needle threading device. 2,501,244, Mar. 21.

Warner, Henry T., Chicago, Ill. Barbecue apparatus. 2,502,685, Apr. 4.

Warner, John E.: *See*—
Smith, Clovis W., and Warner.

Warner, John G., assignor to Machlett Laboratories Incorporated, Springdale, Conn. Brazing beryllium. 2,534,643, Dec. 19.

Warner, Joseph D., Brownsville, Tex. Amphibious vehicle wheel retracting mechanism. 2,501,750, Mar. 28.

Warner, Louis A., New York, N. Y., assignor to Bendix Aviation Corporation, Teterboro, N. J. Navigation system. 2,532,974, Dec. 5.

Warner, Paul F., Borger, and J. A. McBride, Phillips, Tex., assignors to Phillips Petroleum Company. Manufacture of disulfides from mercaptans. 2,503,644, Apr. 11.

Warner, Ralph, and H. B. Smalley, Bloomington, Ill. Bottle vending mechanism. 2,514,815, July 11.

Warner, Robert B.: *See*—
Ford, Samuel, and Warner.

Warner, Robert C.: *See*—
McMeekin, Thomas L., Reid, Warner, and Jackson.

Warner, Roland O., Bloomington, Ill., assignor to Eureka Williams Corporation, Detroit, Mich. Thermostatic control mechanism. 2,507,071, May 9.

Warner Steel Products Co., Inc., assignee: *See*—
Dooley, George W.

Warner & Swasey Company, The, assignee: *See*—
Bogart, Fred H.
Clark, Robert H.
Cook, Hal L.
Curtis, Myron S.
Curtis, Myron S., and Clark.
Curtis, Myron S., and Schoepe.
Darash, Nicholas P.
Longstreet, James R.
Mirossay, Chrysanth M.
Schoepe, Harry.
Spisak, Andrew A.
Taylor, Ralph B., Sr., and Whewell.
Taylor, Norman W.
Tomlinson, Fay M.
Winchell, Sterling F.

Warner, William R., & Co., Inc., assignee: *See*—
Cahnmann, Hans J., and Daniels.
Fried, Josef.
Schwarzkopf, Otto, and Fried.

Warnick, Alan, Detroit, and R. Kozarian, Highland Park, Mich., assignors, by mesne assignments, to The Ohio Crankshaft Company, Cleveland, Ohio. Generator sequencing control for plural loads. 2,495,792, Jan. 31.

Warning, Orville F.: *See*—
Marcus, Jerome R., and Warning.

Warnke, Clemenes A., Grand Rapids, Mich. Rake and conveyer teeth. 2,502,769, Apr. 4.

Warnke, Herbert R., assignor to United States Instrument Corporation, East Orange, N. J. Polarized electromagnet for telephone instruments. 2,503,857, Apr. 11.

Warnke, Peter J.: *See*—
Childs, Garrett D., and Warnke.

Warnock, Howard B., Minster, Ohio. Fish lure. 2,509,179, May 23.

Warp, Harold, Chicago, Ill., assignor to Flex-O-Glass, Inc. Reinforced plastic sheet. 2,530,106, Nov. 14.

Warren, Arthur P., assignee: *See*—
Davies, George.

Warren, Bertram E., Arlington, Mass., assignor to the United States of America as represented by the Secretary of War. Gyroscope control device for bombs. 2,520,665, Aug. 29.

Warren, Charles F., Milwaukee, Wis. Agitating mixing device. 2,499,203, Feb. 28.

Warren, Charles J., Los Angeles, assignor to T. A. Woolsey, Pasadena, Calif. Vending machine. 2,515,363, July 18.

Warren, Charles W., North Plainfield, N. J., and H. J. Landay, Woodmere, N. Y. Tolerance-limit comparator gauge. 2,508,051, May 16.

Warren, Chester L., Union, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Method and apparatus for testing vibration translating devices by means of an oscilloscope pattern. 2,534,565, Dec. 19.

Warren, Cleve B., Cedar Grove, assignor to Bendix Aviation Corporation, Teterboro, N. J. Lubricant metering device. 2,505,595. Apr. 25.

Warren Company, Inc., The, assignee: *See*—
Warren, Virgil P., II.

Warren, Donald M., La Fayette, Ind. Puzzle. 2,529,321, Nov. 7.

Warren, Doyle C., Monrovia, assignor to Chiksan Company, Brea, Calif. Circulating head. 2,501,638, Mar. 21.

Warren, Doyle C., Monrovia, assignor to Chiksan Company, Brea, Calif. Zero-moment swivel nozzle. 2,501,639, Mar. 21.

Warren, Doyle C., Monrovia, assignor to Chiksan Company, Brea, Calif. Swivel connection. 2,509,118, May 23.

Warren, Doyle C., Monrovia, assignor to Chiksan Company, Brea, Calif. Fluid conductor. 2,509,119, May 23.

Warren, Doyle C., Monrovia, assignor to Chiksan Company, Brea, Calif. Fluid distributor. 2,509,120, May 23.

Warren, Doyle C., Monrovia, assignor to Chiksan Company, Brea, Calif. Seal for swivel joints. 2,511,386, Jan. 13.

Warren, Doyle C., Monrovia, assignor to Chiksan Company, Brea, Calif. Swivel joint for handling steam or the like. 2,512,883, June 27.

Warren, Edgar E., Cleveland, Ohio. Making artificial dentures. 2,520,265, Aug. 29.

Warren, Frederick H., Waterbury, Conn., assignor to Greenfield Tap and Die Corporation, Greenfield, Mass. Threading-die holder. 2,522,655, Sept. 19.

Warren, Geofirey W., Eastcote, Pinner, assignor to The M-O Valve Company Limited, London, England. Electrode structure for space discharge tubes. 2,495,618, Jan. 24.

Warren, Geoffrey W., Eastcote, Pinner, assignor to M-O Valve Co. Ltd., London, England. Electron discharge device for high-frequency. 2,509,325, May 30.

Warren, Geoffrey W., Eastcote, assignor to M-O Valve Company, Ltd., London, England. Electrode assembly for very high-frequency electron discharge devices. 2,526,054, Oct. 17.

Warren, Harry L., South Pasadena, assignor to Southern California Gas Company, Los Angeles, Calif. Gas range top grate and burner. 2,499,707, Mar. 7.

Warren, Henry E., Ashland, Mass. Speed governor. 2,500,478, Mar. 14.

Warren, Henry R., assignor to The Girdler Corporation, Louisville, Ky. Oscillator control arrangement for dielectric heating systems. 2,517,948, Aug. 8.

Warren, Henry R., assignor to The Girdler Corporation, Louisville, Ky. Dielectric heating apparatus. 2,522,487, Sept. 12.

Warren, Hewett, and G. W. Schumacher, Portland, Oreg. Adjustable support. 2,495,995, Jan. 31.

Warren, Horace G.: *See*—
Johnson, Merriam E., and Warren.

Warren, Pat, Fort Worth, Tex. Fishhook holder. 2,514,110, July 4.

Warren, Richard F., Jr., Stratford, Conn. Lock nut. 2,506,477, May 2.

Warren, S. D., Company, assignee: *See*—
Frost, Frederick H.
Osgood, Harry W., Jr.
Osgood, Harry W., Jr., and Jones.
Wilson, Alfred D.
Worthen, Stephen V.

Warren Telechron Company, assignee: *See*—
Muchow, Albert J.

Warren, Virgil P., II, assignor to The Warren Company, Inc., Atlanta, Ga. Frozen foods and dairy products refrigerator. 2,501,459, Mar. 21.

Warren, William T., Brightlingsea, England. Electric sealing iron. 2,497,146, Feb. 14.

Warren, William V., assignor to The Wyatt Manufacturing Co., Inc., Salina, Kans. Hydraulic attachment for stackers and loaders. 2,507,235, May 9.

Warrick, Earl L.: *See*—
McGregor, Rob R., and Warrick.

Warrick, Earl L., Pittsburgh, Pa., assignor to Corning Glass Works, Corning, N. Y. Coating with organopolysiloxanes. 2,494,920, Jan. 17.

Warrick, Edward C., Cincinnati, Ohio, and H. Cruzan, Los Angeles, Calif., assignors to United Aircraft Products, Inc., Dayton, Ohio. Oil dilution and by-pass control system. 2,525,191, Oct. 10.

Warrick, Marion R., Greenville, Ohio. Bull bridle. 2,533,857, Dec. 12.

Warring, Alfred, Detroit, Mich. Wheeled golf club carrier. 2,533,541, Dec. 12.

Warrington, Albert R. V., Wallingford, Pa., assignor to General Electric Company. Protective system for fault and out-of-step conditions. 2,509,025, May 23.

Warrington, Albert R. V., Wallingford, Pa., assignor to General Electric Company. Electronic relay arrangement for protecting power systems. 2,511,680, June 13.

Warrington, John H., Denver, and J. C. Williams, Lakewood, Colo. Spin curler. 2,515,751, July 18.

Warshawsky, Isidore, Rocky River, Ohio. Multiple bridge circuit. 2,535,108, Dec. 26.

Warsher, Adolph, Maywood, assignor to Bendix Aviation Corporation, Teterboro, N. J. Servomotor control. 2,493,605, Jan. 3.

Warsher, Adolph, Maywood, N. J. Circuit breaker. 2,496,759, Feb. 7.

Warth, Albin H., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Container. 2,530,413, Nov. 21.

Wartes, Lloyd L., Spokane, Wash. Livestock watering apparatus. 2,512,510, June 20.

Warwick, James C., Jr., Beechhurst, N. Y., assignor to Radio Corporation of America. Error detector for start-stop telegraph printers. 2,508,554, May 23.

Warwood Tool Company, assignee: *See*—
Cochran, John W.

Wasdell, William K., Wednesbury, England. Shock absorber. 2,503,145, Apr. 4.

Washam, Joseph, assignor to De Vry Corporation, Chicago, Ill. Lens barrel. 2,497,147, Feb. 14.

Washbond, Harry H., assignor to The Baker Manufacturing Company, Springfield, Ill. Scraper or grader. 2,503,929, Apr. 11.

Washburn Company, The, assignee: *See*—
Lawrence, John R.

Washburn, Ernest L.: *See*—
Dunlop, Andrew P., and Washburn.

Washburne, Brenton P., Pleasantville, and J. A. Eyster, Chappaqua, N. Y., assignors to General Precision Laboratory Incorporated. Electronic switch. 2,493,706, Jan. 3.

Washington Brick Co., The, assignee: *See*—
Zevely, Thomas K.

Washmobile Corporation, assignee: *See*—
Hopper, William H., and Drake.

Wasley, William L., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Photographic developer containing a negatively substituted aralkylamine and process of development. 2,496,903, Feb. 7.

Wasley, William L., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Photographic developer containing an aralkylamine and development. 2,515,147, July 11.

Wassell, Frank L., assignor to G. P. Wassell, Westport, Conn. Visible index signal lock. 2,502,190, Mar. 28.

Wassell, Frank L., assignor to G. P. Wassell, Westport, Conn. Travel reservation control mechanism. 2,509,659, May 30.

Wassell, Georgene P., assignee: *See*—
Wassell, Frank L.

Wassell, Harold J. H.: *See*—
Sanger-Stevens, James W., and Wassell.

Wassell, Willard D., Westport, Conn. Record filing and signaling construction. 2,527,901, Oct. 31.

Wasserlein, Henry G., Park Ridge, assignor to Phillips Control Corporation, Chicago, Ill. Packing gland. 2,532,210, Nov. 28.

Wasserman, David: *See*—
Dawson, Charles R., and Wasserman.

Wasserman, Nathan, Eureka, Calif. Portable garden hose reel. 2,512,756, June 27.

Wasson, Clifford H., and L. D. Neer, assignors to Nik-O-Lok Company, Indianapolis, Ind. Spring hinge. 2,520,616, Aug. 29.

Wasson, Jones L., Union, N. J., assignor to Standard Oil Development Company. Compositions containing and process for preparing stabilized unsaturated fatty oils. 2,522,476, Sept. 12.

Waterbury Farrel Foundry & Machine Co., The, assignee: *See*—
Griggs, Henry C., and Litalien.
Wilcox, Richard L.
Wilcox, Richard L., and Hoyt.

Waterfield, Donald A., Brunswick, assignor to Behr-Manning Corporation, Troy, N. Y. Coated abrasive articles and backings for such articles. 2,534,805, Dec. 19.

Waterloo Tire Retreading Company, assignee: *See*—
Dilley, Roy.

Waterloo Valve Spring Compressor Company, assignee: *See*—
Sulentic, Raymond D.

Waterman, Beatrice J., executrix: *See*—
Waterman, Herbert.

Waterman, George D., assignor to The Vulcan Radiator Company, Hartford, Conn. Flexible corner. 2,529,855, Nov. 14.

Waterman, Herbert, assignor to Norris Stamping and Manufacturing Company, Los Angeles, Calif. Apparatus for copper plating. 2,502,495, Apr. 4.

Waterman, Herbert, deceased, Los Angeles, Calif.; B. J. Waterman, executrix of said H. Waterman, assignor, by mesne assignments, to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Trifluorobromomethane. 2,531,372, Nov. 21.

Waterman, Herbert, deceased, by B. J. Waterman, executrix, Los Angeles, Calif., assignor, by mesne assignments, to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Refrigeration. 2,531,373, Nov. 21.

Waterman, Howard L., Moline, Ill., assignor to International Harvester Company. Harvester thresher with leveling platform. 2,504,289, Apr. 18.

Waterman, L. E., Company, assignee: *See*—
Lippincott, Joshua G.

Waterman, Logan C., and G. B. Hanson, Houston, Tex., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Electric treater. 2,513,386, July 4.

Waterman, Neil S., Scarsdale, N. Y., assignor, by mesne assignments, to Levelor Corporation. Coin purse. 2,497,643, Feb. 14.

Waterman, Russell R., Lodi, Calif. Dual power unit for duplex pumps. 2,531,094, Nov. 21.

Waterman-Waterbury Company, The, assignee: *See*—
Forrey, Raleigh E.

Waterman, William, Chicago, Ill. Protection of hydraulic systems. 2,512,189, June 20.

Waterman, William, Chicago, Ill. Automatic cutoff device. 2,512,190, June 20.

Waterous Company, assignee: *See*—
Collura, Francesco.
Wilhelm, Edward A.

Waters, Albert V.: *See*—
Bevis, William A., and Waters.

Waters, Arnett D. and S. P., Savannah, Ga. Window sill protector. 2,510,845, June 6.

Waters, Harry, New York, N. Y. Strato-refrigeration. 2,521,814, Sept. 12.

Waters, Henry C., Houston, Tex., assignor to Halliburton Oil Well Cementing Company, Duncan, Okla. Temperature recorder. 2,517,455, Aug. 1.

Waters, Laurence W., Ontario, assignor, by mesne assignments, to Atlas Imperial Diesel Engine Co., Oakland, Calif. Clamping type device for gauging and assorting articles. 2,502,906, Apr. 4.

Waters, Laurence W., assignor to Benton Ballou Company, Ltd., Ontario, Calif. Machine for halving and pitting drupaceous fruit. 2,531,927, Nov. 28.

Waters, Milton V., Silverton, W. P. McDonald, Cincinnati, and H. P. Baecker, Milford, assignors to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Safety device for broaching machines. 2,507,581, May 16.

Waters, Otto A. H.: *See*—
Dijksman, Albert J., Nijkamp, and Waters.
Jansen, Cornelius G., Nijkamp, and Waters.

Waters, Susan P.: *See*—
Waters, Arnett D. and S. P.

Waters, Walter K., Fair Oaks, Calif. Harvesting machine for nuts or the like. 2,502,810, Apr. 4.

Watershaw, E. G., Inc., assignee: *See*—
Waterton, Edmund A.

Waterson, Arthur P., Tulsa, Okla., assignor to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Hydraulic tool control unit. 2,516,495, July 25.

Waterton, Edmund A., deceased, by D. J. W. Dryburgh, administrator, London, England, assignor to E. G. Watershaw, Inc., Dover, Del. Dead bait and dead bait tackle for fishing. 2,511,186, June 13.

Waterton, Frank, Manchester, England, assignor, by mesne assignments, to General Electric Company. X-ray apparatus. 2,493,606, Jan. 3.

Waterworth, Leona, Los Angeles, Calif. Sleeping bag. 2,563,427, Apr. 11.

Waterworth, Robert J., Dayton, Ohio. Folding machine roll adjusting means. 2,503,858, Apr. 11.

Watford Electric & Manufacturing Company Limited, assignee: *See*—
Vuille, Bernard A.

Wathen, Robert L.: *See*—
Ayres, Waldemar A., Wathen, and Lee.

Watkins, Charles A.: *See*—
Wright, John G., Toney, Watkins and Sudan.

Watkins, Charles H., Brookfield, assignor to Universal Oil Products Company, Chicago, Ill. Heating apparatus. 2,519,616, Aug. 22.

Watkins, Clarence T., and J. J. Naftel, Baltimore, Md. Arch support holder. 2,500,591, Mar. 14.

Watkins, Douglas M., Halstead, and W. E. Dilke, London, England. Thread rolling machine. 2,519,164, Aug. 15.

Watkins, Ernest R.: *See*—
Brenner, Ray A., Lenox, Shearer, Van Buskirk, and Watkins.

Watkins, Franklin M., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Morpholine mahogany sulfonates as a rust inhibitor for petroleum oils. 2,533,300, Dec. 12.

Watkins, Franklin M., Flossmoor, Ill., assignor to Sinclair Refining Company, New York, N. Y. Preparing lubricating oil addends. 2,515,281, July 18.

Watkins, Franklin M., Flossmoor, Ill., assignor to Sinclair Refining Company, New York, N. Y. Mineral lubricating oil composition. 2,529,523, Nov. 14.

Watkins, Franklin M., Flossmoor, Ill., assignor to Sinclair Refining Company, New York, N. Y. Mineral oil composition. 2,529,524, Nov. 14.

Watkins, Franklin M., Flossmoor, Ill., assignor to Sinclair Refining Company, New York, N. Y. Prevention of rust. 2,533,301, Dec. 12.

Watkins, Franklin M., Flossmoor, Ill., assignor to Sinclair Refining Company, New York, N. Y. Prevention of rust. 2,533,302, Dec. 12.

Watkins, Franklin M., Flossmoor, Ill., assignor to Sinclair Refining Company, New York, N. Y. Prevention of rust. 2,533,303, Dec. 12.

Watkins, Franklin M., Flossmoor, Ill., assignor to Sinclair Refining Company, New York, N. Y. Prevention of rust. 2,533,304, Dec. 12.

Watkins, Henry E., Kew Gardens, N. Y. Hair curler. 2,505,315, Apr. 25.

Watkins, Morris W., Milledgeville, Ga. Can opening and spout forming tool. 2,517,266, Aug. 1.

Watkins, Raymond O., assignor to Nader Engineering Company, Chicago, Ill. Frame for dynamoelectric machines. 2,496,507, Feb. 7.

Watkins, Samuel S., Miami, Fla. Circumferentially traveling type tire-changing apparatus. 2,497,644, Feb. 14.

Watkins, T. B., assignee: *See*—
Williams, Harry O.

Watkins, Walter T., Jr.: *See*—
McNab, John G., and Watkins.

Watkins, Willard H.: *See*—
Amick, Chester A., Watkins, and Millson.
Millson, Henry E., Amick, and Watkins.

Watkins, Willard H., Bound Brook, H. E. Millson, Plainfield, and C. A. Amick, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y. Dyeing protein fibers with chromable anthraquinone colors by the metachrome process. 2,520,108, Aug. 22.

Watkins, William M., Jr., Knoxville, Tenn., assignor to Robertshaw-Fulton Controls Company. Thermostatically controlled pressure cap for radiators. 2,535,974, Dec. 26.

Watkinson, Eric, Sydney, New South Wales, Australia, assignor to Hartford National Bank & Trust Company, Hartford, Conn., as trustee. Tone control and feedback circuits for audio frequency amplifiers. 2,514,267, July 4.

Watliff Company Limited, assignee: *See*—
Rokach, Max.

Watmough, Oliver, Lethbridge, Alberta, Canada. Field marker. 2,511,521, June 13.

Watrous, Charles A., New Haven, Conn. Eye-bathing device. 2,524,720, Oct. 3.

Watrous, Constant H.: *See*—
Aurand, Cecil C., and Watrous.

Watrous, Ward W., Jr., Chatham, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Cathode construction. 2,498,775, Feb. 28.

Watson, Charles C., Evanston, assignor to Universal Oil Products Company, Chicago, Ill. Catalytic reactor. 2,518,583, Aug. 15.

Watson, Claude W., Scarsdale, assignor to The Texas Company, New York, N. Y. Manufacture of polymer gasoline. 2,517,066, Aug. 1.

Watson, Coleman H., Birmingham, Ala., assignor, by mesne assignments, to Carnegie-Illinois Steel Corporation. Induction heater. 2,502,770, Apr. 4.

Watson, David J., Clemson, S. C. Pea huller. 2,528,402, Oct. 31.

Watson, Edmund A.: *See*—
Evans, Morris S., Kleckner, and Watson.

Watson, Edward F., Larchmont, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Combined voice and facsimile system. 2,506,437, May 2.

Watson, Edward F.: *See*—
Bacon, Walter M., and Watson.

Watson Elevator Company, assignee: *See*—
Raqué, Arthur E.

Watson, Ernest A., and R. J. Ifield, assignors to Joseph Lucas Limited, Birmingham, England. Valve means for liquid fuel pumps. 2,506,694, May 9.

Watson, Forrest J., Oakland, and R. C. Morris, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Nonflammable hydraulic fluid. 2,509,620, May 30.
Watson, Frank, Fort Garry, Manitoba, Canada. Mat. 2,531,659, Nov. 28.
Watson, Frederick W., assignor to Toronto Carpet Manufacturing Co. Limited, Toronto, Ontario, Canada. Apparatus for oiling textile materials. 2,528,199, Oct. 31.
Watson, George C., Denver, Colo. Attachment for the cutter bars of mining machines. 2,517,267, Aug. 1.
Watson, George E., United States Navy. Target-angle trainer. 2,523,345, Sept. 26.
Watson, George R., Chippawa, Ontario, Canada, assignor, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission. Molding hollow articles from refractory materials under heat and pressure. 2,535,180, Dec. 26.
Watson, George R., Waukegan, Ill., assignor to J. E. Watson, Signal Mountain, Tenn. Drill motion synchronizer and shock absorber. 2,494,020, Jan. 10.
Watson, Glenn S.: *See*—
Lecher, Hans Z., and Watson.
Watson, Glenn W., Traverse City, Mich. Triple effect vaporization of liquid. 2,510,672, June 6.
Watson, Gordon: *See*—
Garner, Philip J., and Watson.
Watson, Harold F.: *See*—
Bergmann, Richard F., Suman, and Watson.
Watson, Harold M.: *See*—
Herwald, Seymour W., and Watson.
Watson, Harold M., Pittsburgh, and H. R. Lambert, McKeesport, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electronic load proportioning circuit. 2,504,768, Apr. 18.
Watson, Harold R., Victorville, Calif. Grading apparatus. 2,496,760, Feb. 7.
Watson, Harold R., Victorville, Calif. Hay stacker and loader. 2,530,496, Nov. 21.
Watson, Hugh C., Chicago, Ill. Aerial device. 2,506,755, May 9.
Watson, Hugh C., Chicago, Ill. Plotting disk. 2,527,691, Oct. 31.
Watson, Hugh G., Toronto, Ontario, Canada. Collapsible carrier. 2,517,065, Aug. 1.
Watson, James E., assignee: *See*—
Watson, George R.
Watson, John E., Westport, Conn., and C. B. McBride, Port Chester, N. Y., assignors to The Aerotec Corporation, Greenwich, Conn. Apparatus for classifying particles. 2,494,465, Jan. 10.
Watson, John E., Westport, Conn., and C. B. McBride, Port Chester, N. Y., assignors to The Aerotec Corporation, Greenwich, Conn. Apparatus for classifying and separating suspended particles from gases. 2,498,832, Feb. 28.
Watson, John E., Westport, Conn., and C. B. McBride, Port Chester, N. Y., assignors to The Aerotec Corporation, Greenwich, Conn. Apparatus for centrifugally separating suspended particles from gaseous media. 2,511,387, June 13.
Watson, John P., Westminster, London, assignor to Vickers-Armstrongs Limited, London, England. Power follow-up system or remote control system. 2,529,669, Nov. 14.
Watson, Kenneth: *See*—
McLeod, Roderick C., Callister, Watson and Bone, Pullin, Cyril G., and Watson.
Watson, Kenneth, Woolston, Southampton, assignor to The Cierva Autogiro Company Limited, London, England. Helicopter. 2,494,217, Jan. 10.
Watson, Kenneth M., Madison, Wis., assignor to Sinclair Refining Company, New York, N. Y. Apparatus for pyrolytic conversion of hydrocarbons. 2,497,106, Feb. 14.
Watson, Kenneth M., Madison, Wis., assignor to Sinclair Refining Company, New York, N. Y. Apparatus for pyrolytic conversion of hydrocarbons. 2,503,013, Apr. 4.
Watson, Kenneth M., Madison, Wis., assignor to Sinclair Refining Company, New York, N. Y. Catalytic conversion of hydrocarbons and regeneration of fouled catalyst in stages. 2,506,122, May 2.
Watson, Kenneth M., Madison, Wis., assignor to Sinclair Refining Company, New York, N. Y. Apparatus for pyrolytic conversion of hydrocarbons. 2,506,123, May 2.
Watson, Kenneth M., Madison, Wis., assignor to Sinclair Refining Company, New York, N. Y. Fluid catalyst process for conversion of hydrocarbons with stripping and regeneration of fouled catalyst. 2,509,751, May 30.
Watson, Kenneth M., Madison, Wis., assignor to Sinclair Refining Company, New York, N. Y. Apparatus for pyrolytic conversion of hydrocarbons. 2,510,444, June 6.
Watson, Kenneth M., Madison, Wis., assignor to Sinclair Refining Company, New York, N. Y. Catalytic conversion of naphtha for the production of high antiknock gasoline. 2,522,696, Sept. 19.
Watson, Kenneth M., Madison, Wis., assignor to Sinclair Refining Company, New York, N. Y. Gas-solid contact apparatus. 2,530,558, Nov. 21.
Watson Manufacturing Company, Inc., assignee: *See*—
Fosberg, Henry C.
Watson, Ralph W., assignor to The Honorary Advisory Council for Scientific and Industrial Research, Ottawa, Ontario, Canada. 2,3-butanediyl phthalate resins. 2,502,686, Apr. 4.
Watson, Reginald H., Mount Forest, Ontario, Canada. Straw cutter. 2,502,032, Mar. 28.
Watson, Robert D., assignee: *See*—
Jones Elmer W.
Watson, Robert D., Westwood, assignor of one-half to J. Shapiro, Brookline, Mass. Self-regulating drive for rotary abrasive tools. 2,501,554, Mar. 21.
Watson, Robert E., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Control valve device. 2,512,046, June 20.
Watson, Roger W., Chicago, Ill., and L. W. Mixon, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Stabilized organic sulfur-containing compounds. 2,496,508, Feb. 7.
Watson-Stillman Co., The, assignee: *See*—
Dinzl, Richard W.
Watson, Thomas E., Tewksbury, Mass., assignor, by mesne assignments, to Cocker Machine and Foundry Company. Beam warper. 2,515,386, July 18.
Watson, Thomas S., assignor to Huebsch Manufacturing Company, Milwaukee, Wis. Extractor. 2,501,460, Mar. 21
Watson, Thomas S., assignor to Huebsch Manufacturing Company, Milwaukee, Wis. Extractor. 2,524,614, Oct. 3.
Watson, W., & Sons Limited, assignee: *See*—
Hopkins, Harold H.
Hopkins, Harold H., and Waitt.
Watson, Warren N.: *See*—
Watt, Robert D., and Watson.
Watt, Andrew K., Lansing, assignor to General Motors Corporation, Detroit, Mich. Feed mechanism for machine guns. 2,519,947, Aug. 22.
Watt, Arthur B.: *See*—
Corey, William S., and A. B. and R. B. Watt.
Watt, Bob E.: *See*—
Siegert, Arnold J. F., and Watt.
Watt, James, Chelmsford, assignor to Marconi Sounding Device Company Limited, London, England. Echo sounder and other device for distance measuring in water. 2,530,035, Nov. 14.
Watt, Robert B.: *See*—
Corey, William S., and A. B. and R. B. Watt.
Watt, Robert D., and W. N. Watson, El Cerrito, Calif., assignors to the United States of America as represented by the United States Atomic Energy Commission. Collimating shield. 2,533,701, Dec. 12.
Watt, William T.: *See*—
West, Herbert J., and Watt.
Wattendorf, Frank L.: *See*—
Kemmer, Paul H., Heuver, and Wattendorf.
Watter, Michael, Philadelphia, Pa. Pneumatic tire. 2,493,731, Jan. 3.
Watter, Michael, assignor to The Budd Company, Philadelphia, Pa. Sleeping car arrangement. 2,504,769, Apr. 18.
Watter, Michael, Philadelphia, and J. C. Lyon, Upper Darby, assignors to The Budd Company, Philadelphia, Pa. Berth and berth cover arrangement. 2,502,636, Apr. 4.
Wattier, Francis E., St. Lambert, Quebec, Canada, assignor to Powers Photo Engraving Company, Glen Cove, N. Y. Making half-tone negatives. 2,533,650, Dec. 12.
Watton, Walter L., Hayes, E. W. Bull, Hounslow, and E. L. C. White, Iver, England, assignors to Electric and Musical Industries, Limited. Electrical pulse separating circuits. 2,493,648, Jan. 3.
Watts, Albert E., St. Laurent, Quebec, Canada. Tube flaring machine with a plurality of aligned work holders and dies. 2,532,250, Nov. 28.
Watts, Donald E.: *See*—
Hanson, Earl C., and Watts.
Watts, Henry M., Jr., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Precision pulse failure alarm circuit. 2,526,595, Oct. 17.
Watts, Louise T., New York, N. Y. Drop-leaf extension table. 2,534,890, Dec. 19.
Watts, Rhea N., Baton Rouge, La., assignor to Standard Oil Development Company. Hydrocarbon synthesis with spherical catalyst particles. 2,530,344, Nov. 14.
Watts, Rhea N., Baton Rouge, La., assignor to Standard Oil Development Company. Preparation of a spheroidal Fischer-Tropsch catalyst. 2,530,345, Nov. 14.
Watts, Richard: *See*—
Holt, George A., and Watts.
Watts, Roy T.: *See*—
Rudolph, Frederic C., and Watts.
Wattson, John H., Salt Lake City, Utah. Automatic control and distribution of fluids. 2,498,189, Feb. 21.
Wauda, George E.: *See*—
Rafoth, Bennie A., and Wauda.
Wauda, George E., Neenah, assignor to Marathon Corporation, Rothschild, Wis. Carton. 2,527,167, Oct. 24.
Waugh, Dale L., Dayton, Ohio, assignor to The Dayton Rubber Company. Double cog belt. 2,514,429, July 11.
Waugh Equipment Company, assignee: *See*—
Dilg, Walter C., and Munro.
Waugh, Richard C.: *See*—
Johnson, Carl E., and Waugh.

Waugh, Thomas: *See*—
Koppisch, Robert F., and Waugh.
Waukesha Motor Company, assignee: *See*—
Melcher, Lee W.
Wawzonek, Joseph: *See*—
St. Pierre, Eugene, and Wawzonek.
Wawzonek, Joseph, assignor to Hemphill Company, Central Falls, R. I. Cylinder controlling mechanism. 2,493,905, Jan. 10.
Wawzonek, Joseph, assignor to Hemphill Company, Central Falls, R. I. Dial coupling. 2,503,785, Apr. 11.
Wax, Albert, Brooklyn, N. Y. Tobacco pouch. 2,510,918, June 6.
Wax, Albert, Brooklyn, N. Y. Cigarette package opener and container. 2,520,484, Aug. 29.
Waxlax, Chester E., Los Angeles, Calif. Cast cutting device. 2,519,520, Aug. 22.
Way, Arnold D., Bronxville, assignor to The Permutit Company, New York, N. Y. Turbidity detector. 2,535,181, Dec. 26.
Way, Darl, assignor of one-half to G. C. Lohmannan, Henderson, Ky. Scarifier for bulldozers. 2,510,445. June 6
Way, Elwood J., Washington, D. C. Multiple platen press. 2,534,325, Dec. 19.
Way, Everett L., Canterbury, near Brunswick, Canada. Evener for a span of horses. 2,533,651, Dec. 12.
Way, Stewart, Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Combustion apparatus. 2,498,728, Feb. 28.
Waylite Company, The, assignee: *See*—
Halkins, James A.
Wayne, Marvin D., Galesburg, Mich. Collapsible boat. 2,522,910, Sept. 19.
Wayne Pump Company, The, assignee: *See*—
Rittenhouse, Howard E., and Gilmore.
Wayworth, Walter G., Hartford, Conn. Window screen. 2,497,022, Feb. 7.
Weaks, Robert H., Sikeston, Mo. Power lift marker. 2,502,067, Mar. 28.
Wearn, James S., assignor to Wearn's Patents Limited, Christchurch, New Zealand. Transmission gearing for use on driving shafts. 2,519,723, Aug. 22.
Wearn, Richard B., Birmingham, Ala., assignor to Food Machinery and Chemical Corporation. Production of menthane aldehyde. 2,501,200, Mar. 21.
Wearn, Richard B., and C. Bordenca, Birmingham, Ala., assignors to Food Machinery and Chemical Corporation. 2-p-menthyl carbinyl acetate. 2,501,199, Mar. 21.
Wearn, Richard B., and C. Bordenca, Birmingham, Ala., assignors to Food Machinery and Chemical Corporation. Condensation of beta-(4-methyl-Δ^3-cyclohexenyl)-butyraldehyde with aldehydes and ketones. 2,519,327, Aug. 15.
Wearn's Patents Limited, assignee: *See*—
Wearn, James S.
Weast, Clair A., Manteca, Calif. Dietary frozen fruit and making the same. 2,511,609, June 13.
Weatherby, John J., Denver, Colo., assignor to The Stearns-Roger Manufacturing Company. Recovery of gasoline from enriched absorber oils. 2,523,747, Sept. 26.
Weatherhead, Albert J., Jr., Shaker Heights, assignor to The Weatherhead Company, Cleveland, Ohio. Valve. 2,513,976, July 4.
Weatherhead, Albert J., Jr., Cleveland, and J. N. Paquin, Euclid, assignors to The Weatherhead Company, Cleveland, Ohio. Diaphragm seal for pressure responsive devices. 2,517,745, Aug. 8.
Weatherhead Company, The, assignee: *See*—
Bacon, Carl H.
Balogh, Roy O.
Beerli, Norbert C.
Courtot, Louis B.
Guth, Paul.
Herold, Robert E.
Hufferd, George H., and Crawley.
Hunziker, Fred.
Kuehn, William J., and Zehnder.
Lindgren, George O. R.
Paquin, Joseph N.
Raybould, Frank J.
Rood, Alvin A.
Rose, Howard E.
St. Clair, Theodore A.
Sztar, John E.
Weatherhead, Albert J., Jr.
Weatherhead, Albert J., Jr., and Paquin.
Weatherly, Morgan C.: *See*—
Faatz, Embry D., and Weatherly.
Weathers, Leland C., assignor to Vickers Incorporated, Detroit, Mich. Alternating-current commutator machine. 2,505,018, Apr. 25.
Weathers, Leland C., Plymouth, assignor to Vickers Incorporated, Detroit, Mich. Alternating-current commutator motor. 2,505,019, Apr. 25.
Weathers, Leland C., Plymouth, assignor to Vickers Incorporated, Detroit, Mich. Alternating current commutator machine. 2,529,525, Nov. 14.
Weathers, Leland C., Plymouth, assignor to Vickers Incorporated, Detroit, Mich. Alternating current commutator machine. 2,529,526, Nov. 14.
Weathers, Paul, Haddon Heights, N. J., and G. E. Chamberlin, Penn Valley, assignors to Harmonic Reed Corporation, Philadelphia, Pa. Apparatus for and method of testing musical reeds. 2,505,164, Apr. 25.
Weathers, Paul, Haddon Heights, N. J., assignor to H. K. Neuber, Philadelphia, Pa. Electrostatic phonograph pickup. 2,507,188, May 9.
Weathers, Paul, Upper Darby, Pa., assignor to Radio Corporation of America. Turntable speed control device. 2,505,630. Apr. 25.
Weaton, George F., Potter Township, Beaver County, Pa., and W. T. Isbell, Herculaneum, Mo., assignors to St. Joseph Lead Company, New York, N. Y. Electrothermic reduction of zinc. 2,509,326, May 30.
Weaver, Chalmers L., St. Louis, Mo. Parachute for aerodynamic braking of airplanes. 2,525,844, Oct. 17.
Weaver, Chalmers L., St. Louis, Mo. Pilot operated control system for aircraft. 2,533,702, Dec. 12.
Weaver, Charles E., Inverness, Calif., assignor to American Telephone and Telegraph Company. Electronic frequency control for radio receivers. 2,501,883, Mar. 28.
Weaver, Clay, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacturing photographic elements. 2,534,326, Dec. 19.
Weaver, Daniel A., St. Louis, Mo. Sewer vent cover retainer. 2,524,242, Oct. 3.
Weaver, Elmer R., Chevy Chase, Md. Gas generator. 2,516,934, Aug. 1.
Weaver, Ernest L., Jackson, Mich. Knurling tool holder. 2,494,073, Jan. 10.
Weaver Engineering Co., assignee: *See*—
Weaver, Ira A.
Weaver, Harold E., Pittsburgh, Pa., and E. G. King, Shelton, Wash., assignors to Armstrong Cork Company, Lancaster, Pa. Curable alkyd resins. 2,500,222, Mar. 14.
Weaver, Harry F., Washington, D. C. Door-night-latch-bar securing device. 2,515,364, July 18.
Weaver, Ira A., Springfield, Ill., assignor to Weaver Engineering Co. Fluid actuated load lifting and lowering mechanism. Re. 23,309, Dec. 19.
Weaver, Ira A., Springfield, Ill., assignor to Weaver Engineering Co. Wheel engaging attachment for axle engaging vehicle lifts. 2,503,428, Apr. 11.
Weaver, Ira A., Springfield, Ill., assignor to Weaver Engineering Co. Lifting and lowering appliance. 2,533,980, Dec. 12.
Weaver, Ira A., assignor to Weaver Engineering Co., Springfield, Ill. Ramp carriage and locating means for vehicle lifting devices. 2,533,981, Dec. 12.
Weaver, James C., Richmond, Va. Storage battery cradle. 2,535,975, Dec. 26.
Weaver, Jerald D., San Gabriel, Calif., assignor, by mesne assignments, to Farnsworth Research Corporation. Drop-type record changer with record lowering device. 2,512,701, June 27.
Weaver, Lawrence G., Evanston, Ill., and H. Milani, Gary, Ind. Air conduction hearing aid having adjacently mounted microphone and receiver. 2,506,981, May 9.
Weaver, Levi A., Kansas City, Kans. Uniform depth of cut woodgrooving machines. 2,535,182, Dec. 26.
Weaver, Richard T. and C. E. Hundstad, Syracuse, N. Y., assignors to General Electric Company. Remotely controlled selector switch mechanism. 2,516,606, July 25.
Weaver, Ruth K., assignor to Gaylord Products, Incorporated, Chicago, Ill. Hair curler. 2,499,204, Feb. 28.
Weaver, Ruth K., Chicago, and L. M. Wingblade, Mt. Prospect, assignors to Gaylord Products, Incorporated, Chicago, Ill. Pin curl clip. 2,500,391, Mar. 14.
Weaver, Ruth K., assignor to Gaylord Products, Incorporated, Chicago, Ill. Bob pin. 2,522,911, Sept. 19.
Weaver, Welcome I., Huntington, Ind., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Production of thermosetting aldehyde reaction products. 2,518,963, Aug. 15.
Weaver, William H., assignor to D. S. Ashley, Glens Falls, N. Y. Door closer. 2,516,935, Aug. 1.
Webb, Alton J., Williamsport, Pa. Flexible band jar cap remover. 2,498,934, Feb. 28.
Webb, Arthur B., assignor to Cream City Boiler Company, Milwaukee, Wis. Mashing and lautering apparatus for brewing. 2,513,765, July 4.
Webb, Charles K., Shreveport, La. Merry-go-round. 2,513,607, July 4.
Webb, Donald R., Schenectady, N. Y., assignor to General Electric Company. Governor. 2,517,150, Aug. 1.
Webb, Earle G., Bellevue, assignor, by mesne assignments, to Inland Manufacturing Company, Omaha, Nebr. Clamp device. 2,526,055, Oct. 17.
Webb, Elmer J., Newark, N. Y. Longitudinal road joint support. 2,531,899, Nov. 28.
Webb, Ernest C., Bay Village, Ohio, assignor to Iron Fireman Manufacturing Company, Portland, Oreg. Free-wheeling stoker fan. 2,531,796, Nov. 28.
Webb, Ernest C., Bay Village, Ohio, assignor to Iron Fireman Manufacturing Company, Portland, Oreg. Coal conveyer. 2,531,928, Nov. 28.
Webb, Ernest C., Lexington, Ky. Closure structure. 2,506,820, May 9.
Webb, Frank S., Havre de Grace, Md. Multisector scraper for gun bores. 2,495,793, Jan. 31.

Webb, Frederich W. C.: *See*—
Fast, Gustave, and Webb.
Webb, George A.: *See*—
Corson, Ben B., and Webb.
Webb, George A., assignor to Koppers Company, Inc., Pittsburgh, Pa. Paradichlorobenzene. 2,527,606, Oct. 31.
Webb, George A., and R. H. Nimmo, assignors to Koppers Company, Inc., Pittsburgh, Pa. Production of diphenylamine. 2,514,430, July 11.
Webb, Glenn M., Western Springs, and R. W. Moehl, Congress Park, assignors to Universal Oil Products Company, Chicago, Ill. Preparation of a hydrocarbon conversion catalyst. 2,532,525, Dec. 5.
Webb, Herbert J., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Phonographic thread remover. 2,496,076, Jan. 31.
Webb, Herbert J., Randolph, Mass., assignor, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission. Control circuit. 2,515,480, July 18.
Webb, Horace L., San Francisco, Calif., assignor to Dictavox Company, Inc., Washington, D. C. Mask for excluding ambient sounds. 2,526,177, Oct. 17.
Webb, Howard W.: *See*—
Rike, Fred F., and Webb.
Webb, Irving D., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Dinitrile compound. 2,534,088, Dec. 12.
Webb, Jack A., assignee. *See*—
Whitlock, Charles H.
Webb, James L., Jr., Rochester, N. Y., J. J. Broderick, Springfield, Mass., and G. E. Herz, Portland, Oreg. Differential pressure injector. 2,506,528, May 2.
Webb, James S., Demopolis, Ala. Hay and brush rake. 2,499,550, Mar. 7.
Webb, Jervis B., Company, assignee: *See*—
Henderson, Frank J.
Lemmon, Alexis W.
Robinson, George H.
Rose, Andrew G.
Webb, John S.: *See*—
Hultquist, Martin E., and Webb.
Webb, Josephine R., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Snap action circuit closer. 2,495,192, Jan. 17.
Webb, Myron Q., Staunton, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Modification and dyeing of acrylonitrile polymers. 2,527,863, Oct. 31.
Webb, Richard C., Princeton, N. J., assignor to Radio Corporation of America. Cathode-ray beam deflection circuit. 2,499,080, Feb. 28.
Webb, Richard C., Princeton, N. J., assignor to Radio Corporation of America. Register correction for television. 2,513,221, June 27.
Webb, Richard C., Princeton, N. J., assignor to Radio Corporation of America. Color television receiving system. 2,530,107, Nov. 14.
Webb, Robert E., and F. W. Bedford, Dunkirk, N. Y., assignors to Bedford Products, Inc. Producing solids concentrate from fruit and vegetable juices as well as other solutions. 2,503,695, Apr. 11.
Webb, Robert L., Imperial, Pa. Metal bending brake with rearwardly slidable clamping beam. 2,494,149, Jan. 10.
Webb, Samuel, Pittsburgh, Pa., assignor to National Tube Company. Hydraulic testing machine. 2,497,193, Feb. 14.
Webb, Thomas W., assignee: *See*—
Patrick, Ernest C.
Webb, Wells A., San Jose, Calif., assignor to Food Machinery and Chemical Corporation. Can drying apparatus. 2,523,080, Sept. 19.
Webb, Wesley L.: *See*—
Pedlow, John W., Webb, and Roberts.
Webb, Wesley L., Glenmoore, and R. A. Randolph, Drexel Hill, Pa., and R. J. Taylor, Claymont, assignors to American Viscose Corporation, Wilmington, Del. Method and apparatus for the production of hollow bodies. 2,501,833, Mar. 28.
Webber, Charles F.: *See*—
Wendover, Jack S., and Webber.
Webber, Charles S., Loundonville, and W. F. Timmer, Cohoes, assignors to Behr-Manning Corp., Troy, N. Y. Coated abrasive articles. 2,534,806, Dec. 19.
Webber, John D., Portland, Oreg., assignor of one-half to W. A. Cole, Vancouver, Wash. Animated decorative device. 2,498,467, Feb. 21.
Webber, Laurence F., Ann Arbor, Mich. Holder for dispensing cartons. 2,503,859, Apr. 11.
Webber, Ludwig A., and O. W. Kiphart, Borger, Tex., assignors to Phillips Petroleum Company. Automatic sampler of liquid and gas phase streams. 2,534,489, Dec. 19.
Webber, Robert C., Indianapolis, Ind. Expansible closure for containers. 2,529,644, Nov. 14.
Webber, William O., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Resolving emulsions. 2,503,014, Apr. 4.
Weber, Albert J., Los Angeles, Calif. Condensation trap for steam irons. 2,495,397, Jan. 24.
Weber, Alexander, assignor to Socina G. m. b. H., Berne, Switzerland. Writing implement. 2,505,267, Apr. 25.
Weber, Alfred H., Kirkwood, assignor to North American Electric Lamp Company, St. Louis, Mo. Method and apparatus for making lamp filament joints. 2,534,540, Dec. 19.
Weber, Andrew J., Milwaukee, Wis. Orthopedic device. 2,531,486, Nov. 28.
Weber, Arthur E., Ridgewood, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Dyeing animal hairs with anthraquinone vat dyestuffs. 2,508,203, May 16.
Weber, Arthur G.: *See*—
Larson, Alfred T., and Weber.
Weber, Arthur G., and C. D. Bell, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of ethylene diamines. 2,519,803, Aug. 22.
Weber, Bonnie M., San Leandro, Calif. Replaceable shoulder pad for garments. 2,497,382, Feb. 14.
Weber, Charles, New York, and R. Bisgen, Springfield Gardens, N. Y. Printing press ink control means. 2,520,230, Aug. 29.
Weber, Charles F.: *See*—
Weber, John, Jr., C. F., L. H., W. F., F. H., E. W., and L. G., and Goetzman.
Weber, Clifford E.: *See*—
Burford, William B., III, and Weber.
Weber Dental Manufacturing Company, The, assignee: *See*—
Binus, David J.
Binus, David J., and Maurer.
Weber, Donald J., Richwood, assignor to Yardley Plastics Company, Columbus, Ohio. Machine for extruding plastic tubes. 2,512,844, June 27.
Weber, Edward H., Jr., Toms River, N. J., assignor to American Telephone and Telegraph Company. Signal receiving apparatus. 2,494,323, Jan. 10.
Weber, Edward W.: *See*—
Weber, John, Jr., C. F., L. H., W. F., F. H., E. W., L. G., and Goetzman.
Weber, Ernst, Mount Vernon, and J. W. E. Griemsmann, Bellaire, assignors to Polytechnic Institute of Brooklyn, Brooklyn, N. Y. Variable attenuator. 2,510,613, June 6.
Weber, Ernst, Mount Vernon, and S. A. Johnson, New York, assignors to Polytechnic Institute of Brooklyn, Brooklyn, N. Y. Variable attenuator. 2,510,614, June 6.
Weber, Ernst, Mount Vernon, and J. W. E. Griemsmann, Bellaire, assignors to Polytechnic Institute of Brooklyn, Brooklyn, N. Y. Metal film attenuator. 2,529,436, Nov. 7.
Weber, Francis E., Watertown, Wis. Reservoir toothbrush. 2,522,415, Sept. 12.
Weber, Frank F., Yorkville, Ill. Artificial fish bait and fish lure and making the same. 2,521,616, Sept. 5.
Weber, Frank H.: *See*—
Weber, John, Jr., C. F., L. H., W. F., F. H., E. W., L. G., and Goetzman.
Weber, Hans, Baden, Switzerland. Combination contact plug. 2,535,002, Dec. 19.
Weber, Harriette B., Saginaw, Mich. Jacket for wrapping fowl and similar edibles. 2,518,406, Aug. 8.
Weber, Heinrich J. E., Beckenham, assignor to Rovego Limited, London, England. Apparatus for sealing containers with adhesive tape. 2,504,059, Apr. 11.
Weber, Heinrich J. E., Beckenham, assignor to Rovego Limited, London, England. Apparatus for sealing containers with adhesive tape. 2,504,060, Apr. 11.
Weber, Henry, Cleveland, assignor of one-fourth to H. A. Hildebrand, Brunswick, Ohio. Drapery crane. 2,502,358, Mar. 28.
Weber, Herman, assignor to Shakespeare Products Company, Kalamazoo, Mich. Remote-control device for brakes and other remote control parts. 2,532,975, Dec. 5.
Weber, Herman W., Richmond Heights, and D. W. Williamson, Ferguson, assignors to Laclede-Christy Company, St. Louis, Mo. Suspension arch, including ceramic suspension tile. 2,524,721, Oct. 3.
Weber, Herman W., Richmond Heights, and D. W. Williamson, Ferguson, assignors to Laclede-Christy Company, St. Louis, Mo. Suspension arch. 2,524,722, Oct. 3.
Weber, Jacobus L. W., Wehe, Netherlands. Two-cycle internal-combustion engine. 2,503,979, Apr. 11.
Weber, John, Jr., C. F., L. H., W. F., F. H., E. W., and L. G., and C. A. Goetzman, Muscatine, Iowa. Button blanking machine. 2,500,724, Mar. 14.
Weber, John A., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Rolling contact device for measuring lengths of flexible hose, strip, and the like. 2,494,732, Jan. 17.
Weber, John A., and E. A. Teck, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Apparatus for stripping articles from forms. 2,508,204, May 16.
Weber, Karl A., Brentwood Heights, assignor to Weber Showcase & Fixture Co., Inc., Los Angeles, Calif. Refrigerated structure with curved door. 2,534,488, Dec. 19.
Weber, Karl B., Pittsburgh, Pa. Chain tensioning device. 2,522,150, Sept. 12.

Weber, Karl H., Washington, D. C., assignor to Armstrong Cork Company, Lancaster, Pa. Polymerizing conjugated dienes in the presence of selected alkyl esters of mercaptyl undecanoic acids as polymerization regulators. 2,497,107, Feb. 14.
Weber, Karl H., and L. B. Kilgore, Washington, D. C. Haloethyl amides of alkoxyacetic acids and preparation thereof. 2,504,477, Apr. 18.
Weber, Karl H., Chevy Chase, Md., and P. O. Powers, Columbus, Ohio, assignors to Armstrong Cork Company, Lancaster, Pa. Polymerization products of conjugated dienes, vinyl compounds, and vinyl esters and producing the same. 2,518,509, Aug. 15.
Weber, Karl H., and L. B. Kilgore, assignors, by mesne assignments, to L. B. and H. F. Kilgore, Washington, D. C. N-substituted carbamic acid esters. 2,520,586, Aug. 29.
Weber, Leonard G.: *See*—
Weber, John, Jr., C. F., L. H., W. F., F. H., E. W., L. G., and Goetzman.
Weber, Lloyd H.: *See*—
Socke, John E., and Weber.
Weber, Louis F., assignor to Hydro-nitro S. A. Geneva, Switzerland. Arrangement for improving the biological properties of air in rooms. 2,526,178, Oct. 17.
Weber, Louis H.: *See*—
Weber, John, Jr., C. F., L. H., W. F., F. H., E. W., L. G., and Goetzman.
Weber, Louis J., Bartlesville, Okla., assignor to Phillips Petroleum Company. Fluid cooling apparatus. 2,514,529, July 11.
Weber, Louis J., Bartlesville, Okla., assignor to Phillips Petroleum Company. Securing even distribution of heated pebbles in the product heating chamber of a pebble furnace. 2,518,842, Aug. 15.
Weber, Louis J., Bartlesville, Okla., assignor to Phillips Petroleum Company. Pebble heater system and operation. 2,530,274, Nov. 14.
Weber, Louis J., Bartlesville, Okla., assignor to Phillips Petroleum Company. Pebble heater apparatus. 2,534,089, Dec. 12.
Weber, Louis J., Borger, Tex., assignor to Phillips Petroleum Company. Furnace. 2,528,564, Nov. 7.
Weber, Louis J., Los Angeles, Calif. Constant speed propeller. 2,503,461, Apr. 11.
Weber, Louis J., and S. P. Robinson, Bartlesville, Okla., assignors to Phillips Petroleum Company. Pebble heating chamber. 2,534,090, Dec. 12.
Weber, Louis L., T. T. Kling, and T. L. Franken, assignors to The Lodge and Shipley Company, Cincinnati, Ohio. Universal mower hitch. 2,503,696, Apr. 11.
Weber, Luther J., assignor to Oak Mfg. Co., Chicago, Ill. Vibrator with automatic regulation. 2,513,608, July 4.
Weber, Phillip J., Jr., Montebello, Calif. Acid storage tank and the like. 2,534,188, Dec. 12.
Weber, Raphael A., Toledo, Ohio. Safeguarding device for machine tools. 2,528,565, Nov. 7.
Weber Showcase & Fixture Co., Inc., assignee: *See*—
Weber, Karl A.
Weber, Theodore R., Latrobe, Pa., assignor to American Locomotive Company, New York, N. Y. Articulated closure lid structure for railway journal boxes. 2,523,485, Sept. 26.
Weber, Tobias, Los Angeles, Calif. Wheel gauge. 2,497,481, Feb. 14.
Weber, Tobias, Los Angeles, Calif. Percussive type fender and body shaping hand tool. 2,498,320, Feb. 21.
Weber, Tobias, Los Angeles, Calif. Fifth wheel structure. 2,503,530, Apr. 11.
Weber, Victor, Greensburg, Pa., assignor to Robertshaw-Fulton Controls Company. Valve. 2,495,398, Jan. 24.
Weber, Victor, Greensburg, and R. F. Garner, assignors to Robertshaw-Fulton Controls Company, Youngwood, Pa. Thermostatic control device for gas-burning appliances. 2,533,982, Dec. 12.
Weber, Walter C., Dayton, Ohio, assignor to Hartford-Empire Company, Hartford, Conn. Machine for applying gaskets to glass jars or like articles. 2,507,072, May 9.
Weber, Walter C., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Making laminated hollow glass articles. 2,500,105, Mar. 7.
Weber, Walter F.; *See*—
Weber, John, Jr., C. F., L. H., W. F., F. H., E. W., L. G., and Goetzman.
Weber, William, Fairview, N. J. Automatic extractor and loader. 2,494,021, Jan. 10.
Weber, William F., assignor to Armour and Company, Chicago, Ill. Skinning meat. 2,493,707, Jan. 3.
Weber, William F., assignor to Armour and Company, Chicago, Ill. Apparatus for conveyer lubrication. 2,525,327, Oct. 10.
Webster, Andrew P., and E. L. Corey, U. S. Navy. Body armor. 2,517,615, Aug. 8.
Webster-Brinkley Co., assignee: *See*—
Forsythe, Paul E.
Webster-Chicago Corporation, assignee: *See*—
Dale, Colin B.
Webster, Clifford L., assignor to Aluminum Air Seal Manufacturing Company, Youngstown, Ohio. Combination storm window. 2,509,582, May 30.
Webster, Clifford L., assignor to Aluminum Air Seal Manufacturing Company, Youngstown, Ohio. Meeting rail engaging member for storm windows. 2,521,617, Sept. 5.
Webster, Clifford L., assignor to Aluminum Air Seal Manufacturing Company, Youngstown, Ohio. Modifying section for storm window frames. 2,530,846, Nov. 21.
Webster Corporation, assignee: *See*—
Webster, Henry N.
Webster, Doris, New York, N. Y. Hair curler. 2,525,981, Oct. 17.
Webster Electric Company, assignee: *See*—
Campbell, Richard H.
Webster, Fred, and S. Zazulenchuck, Kirkland Lake, Ontario, Canada. Comb cleaning brushing machine. 2,524,214, Oct. 3.
Webster, Henry N., assignor to Webster Corporation, Sebring, Fla. Locking device for pipe joints. 2,505,631, Apr. 25.
Webster, Henry N., assignor to Webster Corporation, Sebring, Fla. Formation of tube ends. 2,506,657, May 9.
Webster, Hugh G., and J. H. Shoemaker, assignors to Kolene Corporation, Detroit, Mich. Preparing ferrous metal for heat-treatment. 2,515,148; July 11.
Webster Industries, Inc., assignee: *See*—
Henne, Julius A.
Webster, Kenneth C.: *See*—
Hay, Jean K., and Webster.
Webster, Leonard C.: *See*—
Greenleaf, Nathaniel B., and Webster.
Webster Manufacturing, Inc., assignee: *See*—
Jones, Corwin S.
Webster, Paul E., Fresno, Calif. Portable lift attachment for trucks. 2,501,112, Mar. 21.
Webster, Robert, Upper Darby, Pa. Self-piercing and self-holding test prod. 2,529,270, Nov. 7.
Webster, Rockwell L., and E. W. Crew, Porterville, Calif. Utility cement mixing box. 2,507,874, May 16.
Webster, Roger R.: *See*—
Stephenson, John G., and Webster.
Webster, Ronald, Evanston, and D. H. Petty, Skokie, assignors to The Hydro-Blast Corporation, Chicago, Ill. Apparatus for eliminating dust and fumes. 2,498,468, Feb. 21.
Webster, Sidney E.: *See*—
Rifkin, Milton, and Webster.
Webster, Warren, & Company, assignee: *See*—
Tolan, James E.
Weckbaugh, Joseph V., Greenwich, Conn. Photographically producing a plurality of assemblages of preselected data. 2,494,599, Jan. 17.
Weckel, Clyde A., Salina, Kans. Free spool triple multiplying bait casting reel. 2,503,366, Apr. 11.
Weckerly, Mark A., assignor to Toledo Scale Company, Toledo, Ohio. Ratio adjustment for weighing scales. 2,503,697, Apr. 11.
Weckerly, Mark A., assignor to Toledo Scale Company, Toledo, Ohio. Weighing machine illuminator. 2,531,179, Nov. 21.
Weckstein, Gladys, New York, N. Y. Hanger for fur coats. 2,503,367, Apr. 11.
Weco Products Company, assignee: *See*—
Woodside, Margaret J.
Weddell, Joseph K., Longmeadow, assignor to Milton Bradley Company, Springfield, Mass. Fabricated toy boat construction. 2,524,742, Oct. 3.
Wedderspoon, Arthur F., assignor to Cole Hot Blast Mfg. Co., Chicago, Ill. Combination radiation and convection room heater. 2,510,029, May 30.
Wedebrock, Archibald L.: *See*—
Mackey, William H., and Wedebrock.
Wedebrock, Archibald L., Westwood, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Blowing machine for insulation and the like. 2,532,351, Dec. 5.
Wedel, Charles, Minden, Iowa. Quick change finger control for meter regulating means. 2,521,618, Sept. 5.
Wedger, Walter H., Newton, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Stiffening portions of the uppers of shoes. 2,512,003, June 20.
Wedgwood, Josiah, & Sons Limited, assignee: *See*—
Moore, Sydney J.
Wedin, Gertrude, assignee: *See*—
Wedin, Ivar T.
Wedin, Ivar T., assignor of one-half to G. Wedin, Farmington, Mich. Calibrated lead screw. 2,494,846, Jan. 17.
Wedin, Ivar T., assignor of one-half to G. Wedin, Farmington, Mich. Bearing. 2,512,556, June 20.
Wedler, Frederick C., Swarthmore, Pa., assignor to American Viscose Corporation, Wilmington, Del. Overfeed and internal expander for fabric in tubular form. 2,517,067, Aug. 1.
Wedler, Frederick C., Swarthmore, Pa., assignor to American Viscose Corporation, Wilmington, Del. Spray application of dyestuff and other materials. 2,532,471, Dec. 5.
Weed, Charles F., Montclair, N. J., assignor to Automatic Table Co., Inc., Long Island City, N. Y. Leg positioning mechanism for folding tables. 2,527,045, Oct. 24.
Weed, Frank L., Neponset, Mass. Valve mechanism for steam engines. 2,528,097, Oct. 31.
Weed, Wayne B., assignee: *See*—
Whitney, Robert B.
Weeda, Krijn A.: *See*—
'T Hart, Marius, Hoog, and Weeda.

Weegwerktuigenfabriek Alfra, assignee: *See*—
Van de Laar, Francis, and Robberts.
Weekley, B. F., assignee: *See*—
Cranfill, Otis.
Weeks, Elmer, and H., Scott Bar, Calif. Collapsible tire bead loosening device. 2,523,979, Sept. 26.
Weeks, Frank A., Scobey, Miss. Safety razor. 2,534,490, Dec. 19.
Weeks, Gilbert E.: *See*—
Frisbie, Stewart E., and Weeks.
Weeks, Herman: *See*—
Weeks, Elmer, and H.
Weeks, John R., Jr., South Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Circuit for testing the dielectric strength of insulating material and recording puncture points. 2,522,151, Sept. 12.
Weeks, Lemmie M., assignee: *See*—
Tessin, Laurence H.
Weeks, Leonard M., Milwaukee, Wis. Mixing device. 2,498,190, Feb. 21.
Weeks, Norman E., Normandy, assignor to Bemis Bro. Bag Company, St. Louis, Mo. Folded-in bag valve with sleeve insert. 2,517,068, Aug. 1.
Weeks, Ray H., Lake Benton, Minn. Traction device for power-driven vehicles. 2,496,924, Feb. 7.
Weeks, Robert W., West Chester, Pa. Antenna mast supporting bracket. 2,499,011, Feb. 28.
Weeks, Robert W., and R. L. Black, West Chester, Pa., said Black assignor to said Weeks. Hoisting tongs. 2,515,918, July 18.
Weeks, Walter L.: *See*—
Cannon, Wayne D., and Weeks.
Weeks, Walter L., East Wyckoff, C. A. Stewart, Westfield, and W. H. Holmes, Upper Montclair, N. J., assignors to Wright Aeronautical Corporation. Lubricant scavenging pump means. 2,503,016, Apr. 4.
Weeks, Walter R., Hamden, Conn., assignor to General Electric Company. Portable roaster and broiler. 2,523,796, Sept. 26.
Weeks, Walter R., Hamden, Conn., assignor to General Electric Company. Automatic control for water heaters. 2,531,180, Nov. 21.
Weeks, Walter R., Hamden, Conn., assignor to General Electric Company. Sear mechanism. 2,535,709, Dec. 26.
Weeldenburg, Johannes G., Velp, Netherlands, assignor to American Enka Corporation, Enka, N. C. Preparing alkali cellulose. 2,499,010, Feb. 28.
Weems Navigation, Inc., assignee: *See*—
Belch, Keith R.
Weems, William R., and R. A. Wright, Dayton, Ohio. Erecting device for gyroscopes. 2,505,021, Apr. 25.
Wegehoft, John H., St. Louis, Mo. Low-voltage attachment switch. 2,524,215, Oct. 3.
Wegman, Evert S.: *See*—
Earley, Robert W., and Wegman.
Wegman, Evert S., East Longmeadow, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Apparatus for cooling and dispensing beverages. 2,502,610, Apr. 4.
Wegman, Evert S., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Beverage dispensing apparatus. 2,520,380, Aug. 29.
Wegner, Clarence J.: *See*—
Strauss, Orville L., and Wegner.
Wegner, Julius, Flushing, N. Y. Drum-type feed control. 2,499,804, Mar. 7.
Wegst, Walter F.: *See*—
Bacon, Leslie R., and Wegst.
Wehe, Herman G., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Apparatus for coating surfaces by thermal vaporization at atmospheric pressure. 2,503,571, Apr. 11.
Wehler, Russell S., York, Pa. Toe terminus indicator. 2,527,168, Oct. 24.
Wehman, William T., Elyria, Ohio, assignor to National Tube Company. Rotary rolling mill guide. 2,535,976, Dec. 26.
Wehmiller, Frederick W., Ladue, W. J. Nekola, Normandy, and P. H. Spelbrink, assignors to Barry-Wehmiller Machinery Company, St. Louis, Mo. Device for drying traveling articles. 2,501,367, Mar. 21.
Wehner, Albert, Harbor Beach, Mich. Revolving cement mixer screen. 2,496,077, Jan. 31.
Wehner, Robert S., Port Jefferson, N. Y., assignor to Radio Corporation of America. Multiply-resonant stub antenna. 2,493,514, Jan. 3.
Wehner, Robert S., Port Jefferson, N. Y., assignor to Radio Corporation of America. Broad-band antenna. 2,512,078, June 20.
Wehner, Robert S., Port Jefferson, N. Y., assignor to Radio Corporation of America. V-dipole antenna. 2,514,020, July 4.
Wehner, Robert S., Port Jefferson, N. Y., assignor to Radio Corporation of America. Aircraft antenna. 2,518,843, Aug. 15.
Wehr, Julian R., Roxbury, Vt. Animated display. 2,500,106, Mar. 7.
Wehr, William G., East Cleveland, assignor to The Cleveland Crane & Engineering Company, Wickliffe, Ohio. Hoist brake. 2,525,434, Oct. 10.
Wehrenberg, John H., Woodsdale, N. C. Pick indicator. 2,517,515, Aug. 1.
Wehrle, Del: *See*—
Speir, Godfrey B., and Wehrle.
Wehrli, Walter, and E. Iselin, assignors to Sandoz Limited, Basel, Switzerland. Copper complex compounds of substantive azo dyestuffs and making same. 2,529,527, Nov. 14.
Wehrlin, Richard F., New York, assignor, by mesne assignments, to The Norden Laboratories Corporation, White Plains, N. Y. Erecting system for gyroscopes. 2,499,238, Feb. 28.
Wehrlin, Richard F., New York, and R. Young, Douglaston, assignors, by mesne assignments, to The Norden Laboratories Corporation, White Plains, N. Y. Pressure responsive speed controller. 2,507,326, May 9.
Wehrwein, John G.: *See*—
Morrison, Orville C. and S. O., Wehrwein, and Gott.
Wehrwein, John G., Havertown, Pa., assignor to Sunroc Refrigeration Company, Dover, Del. Water cooler having water and air cooled condensers. 2,505,632, Apr. 25.
Wei, Pei H., Passaic, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Grid electrode. 2,513,387, July 4.
Weichselbaum, Theodore E., Normandy, assignor to A. S. Aloe Company, St. Louis, Mo. Agent for removal of adhesive tape and similar gummy and tacky substances. 2,500,107, Mar. 7.
Weichselbaum, Theodore E., Normandy, Mo., assignor to Applied Research Corporation. Methods and flame generating apparatus for spectrophotometric quantitative analysis. 2,532,687, Dec. 5.
Weidanz, Herman E.: *See*—
Zimmermann, Willy E., and Weidanz.
Weidauer, Curtis W., Manhasset, assignor to Philbeck Corporation, New York, N. Y. Shears. 2,511,187, June 13.
Weidenhoff, Joseph, Inc., assignee: *See*—
Yenni, William H.
Weidenman, William T., Spring Valley, assignor to Telephonics Corporation, New York, N. Y. Electric impulse transmitter pawl silencer. 2,522,004, Sept. 12.
Weidenschilling, Paul L., assignor to Gyco Instruments, Inc., Bloomfield, N. J. Heating device for curved-wall containers. 2,527,864, Oct. 31.
Weier, Anton G., Chicago, Ill. Sausage stuffing apparatus. 2,502,611, Apr. 4.
Weierman, Herbert P., Rydal, Pa. Dehumidifier. 2,495,619, Jan. 24.
Weiffenbach, Everell C., assignor to Cass Products Company, Buffalo, N. Y. Valve. 2,533,652, Dec. 12.
Weigand, Herman W.: *See*—
Hampton, William H., and Weigand.
Weigel, Daniel M., Detroit, Mich. Intermittent grip variable ratio drive. 2,512,292, June 20.
Weigel, Frederick W., Fairview Village, assignor, by mesne assignments, to the V. D. Anderson Company, Cleveland, Ohio. Expressing oil. 2,533,858, Dec. 12.
Weightman, William A., assignor to The Budd Company, Philadelphia, Pa. Stretcher press. 2,515,752, July 18.
Weighton, Donald, assignor to Pye Limited, Cambridge, England. Radio antenna. 2,512,511, June 20.
Weighton, Donald, assignor to Pye Limited, Cambridge, England. Radio guiding and landing system. 2,519,521, Aug. 22.
Weigle, Francis H., Chicago, and B. Yuffy, Oak Park, Ill. Combination separable crib frame and chest of drawers structure. 2,533,983, Dec. 12.
Weigle, Russell M.: *See*—
Chamberlin, Alan C., and Weigle.
Weijlard, John: *See*—
Wilson, Evelyn, Weijlard, and Tishler.
Weiks, John E., Seattle, Wash. Marine engine cooler. 2,513,124, June 27.
Weil, Leopold, Philadelphia, C. F. Woodward, Abington, Pa., F. L. Howard, Kingston, and H. L. Keil, Wakefield, R. I., assignors to the United States of America as represented by the Secretary of Agriculture. Fungicidal nicotinium salt compositions. 2,524,094, Oct. 3.
Weil, Lewis P., Cynwyd, Pa. Portable electric fountain. 2,510,446, June 6.
Weil, Rudolf F., Kew Gardens, N. Y. Table protector device. 2,502,771, Apr. 4.
Weil, Walter M., assignee: *See*—
Bonsack, Walter, and Weil.
Stewart, Wilfred H.
Weiland, Christian F., New York, N. Y. Bandspread tuning circuit. 2,507,582, May 16.
Weiland, Edward A., Garfield Heights, assignor to The Hoover Company, North Canton, Ohio. Electric iron with signaling means. 2,527,779, Oct. 31.
Weiland, Edward A., Garfield Heights, assignor to The Hoover Company, North Canton, Ohio. Ironing surface for electric irons. 2,530,672, Nov. 21.
Weiland, John N., assignor to The Cleveland Punch & Shear Works Company, Cleveland, Ohio. Sheet metal working press. 2,494,921, Jan. 17.
Weiland, John N., assignor to The Cleveland Punch & Shear Works Co., Cleveland, Ohio. Fluid actuated clutch and brake mechanism. 2,527,865, Oct. 31.
Weiland, John N., assignor to The Cleveland Punch & Shear Works Co., Cleveland, Ohio. Fluid actuated clutch and brake mechanism. 2,529,121, Nov. 7.

Weiland, John N., assignor to The Cleveland Punch & Shear Works Co., Cleveland, Ohio. Clutch and brake mechanism. 2,532,381, Dec. 5.

Weiler, Anton J., Palmyra, Wis. Forge burner and ignition means. 2,505,596, Apr. 25.

Weiler, Karl E., Franklin Square, N. Y. Industrial brush. 2,495,559, Jan. 24.

Weiler, Raywood C., Whitewater, Wis. Drawbar pin fastener. 2,514,594, July 11.

Weimann, Emil: *See*—
Kusher, Hyman, and Weimann.

Weimann, Henry: *See*—
Peremi, Edmund, and Weimann.

Weimer, Leland S., assignor to The Murray Corporation of America, Detroit, Mich. Electric heating unit. 2,497,039, Feb. 7.

Weimer, Paul K.: *See*—
Snyder, Richard L., and Weimer.

Weimer, Paul K., Princeton, N. J., assignor to Radio Corporation of America. Television receiver. 2,512,123, June 20.

Weimer, Paul K., Princeton, N. J., assignor to Radio Corporation of America. Shading elimination in electron multiplier pickup tube. 2,525,105, Oct. 10.

Weimer, Paul K., Princeton, N. J., assignor to Radio Corporation of America. Cathode beam tube. 2,533,073, Dec. 5.

Weimer, William H., North Prairie, assignor to Davis & Thompson Company, West Allis, Wis. Machine tool chuck. 2,529,205, Nov. 7.

Weimont, Joseph, Bogota, N. J., assignor to A. Kimball Company, New York, N. Y. Printing disk with detachable type. 2,519,008, Aug. 15.

Wein-Werner Corporation, assignee: *See*—
Gagne, Archie.

Weinberg, Edwin A.: *See*—
Thompson, Alfred W., and Weinberg.

Weinberg, Frederic, Philadelphia, Pa. Making decorative extruded material. 2,528,200, Oct. 31.

Weinberg, Robert, New York, N. Y. Elastic tape. 2,518,407, Aug. 8.

Weinberg, Victor, Paris, France. Vibrating device for packing various materials. 2,519,208, Aug. 15.

Weinberger, George H., assignor to H. Weinberger Limited, London, England. Mechanically operated pencil with screw feed. 2,534,091, Dec. 12.

Weinberger, George S., San Francisco, Calif. Governor control for internal-combustion engines. 2,529,437, Nov. 7.

Weinberger, Harold: *See*—
Gilbert, Everett E., and Weinberger.

Weinberger, Henry, Limited, assignee: *See*—
Weinberger, George H.

Weinberger, Morris, New York, N. Y. Adjustable article stand. 2,505,075, Apr. 25.

Weinberger, Robert: *See*—
Baron, Theodore, and Weinberger.

Weincord, Maurice, Chicago, Ill. Neon sign elements and circuit. 2,519,302, Aug. 15.

Weiner, James R.: *See*—
Shenk, Eugene R., and Weiner.

Weiner, James R., Brooklyn, N. Y., assignor to Radio Corporation of America. Multivibrator and control of same. 2,502,687, Apr. 4.

Weinfurt, William J., Stratford, assignor to United Aircraft Corporation, East Hartford, Conn. Footrest and rudder pedal. 2,519,804, Aug. 22.

Weingart, Richard I. N., New York, N. Y. Ticket stacking machine. 2,504,770, Apr. 18.

Weingart, Richard I. N., New York, N. Y. Ticket machine. 2,529,750, Nov. 14.

Weingarten, Jack H., New York, N. Y. Tennis racket press. 2,533,338, Dec. 12.

Weingarten, Joseph, Boston, Mass. Cathode-ray tube image control. 2,530,275, Nov. 14.

Weingarten, Joseph, United States Navy, New York, N. Y. Radio tuning system. 2,511,888, June 20.

Weinheimer, Fred L., Sr., South River, N. J. Coaster brake for wheeled vehicles. 2,495,082, Jan. 17.

Weinig, Arthur J., Golden, Colo., assignor to Vanadium Corporation of America, Bridgeville, Pa. Ore scrubbing apparatus. 2,493,049, Jan. 3.

Weinig, Arthur J., Golden, assignor to Colorado Iron Works Company, Denver, Colo. Rotary ore concentrator. 2,533,074, Dec. 5.

Weinig, Friedrich S., Stuttgart-Moehringen, Germany. Parachute composed of alternating taut and loose ribbons. 2,494,600, Jan. 17.

Weinman, Alfred H., Highland Park, Ill. Water heater. 2,493,175, Jan. 3.

Weinman, Carl J.: *See*—
Morrill, Henry L., and Weinman.

Weinmayr, Viktor: *See*—
Lee, Henry R., and Weinmayr.

Weinmayr, Viktor, Pitman, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of thiophanthraquinone. 2,497,334, Feb. 14.

Weinpel, George C., Clifton, assignor to Botany Worsted Mills, Passaic, N. J. Continuous wool scouring apparatus. 2,509,464, May 30.

Weinrich, Arthur R.: *See*—
Colbert, William H., Morgan, and Weinrich.
Colbert, William H., Weinrich, and Morgan.

Weinrich, William W.: *See*—
Hepp, Harold J., and Weinrich.
Whitaker, Arthur C., and Weinrich.

Weinrich, William W., Bartlesville, Okla., assignor to Phillips Petroleum Company. Production of ethyl alcohol and alkylate. 2,511,758, June 13.

Weinstein, Frances L.: *See*—
Winston, Judith, and Weinstein.

Weinstock, Abraham F., Amsterdam, Netherlands. Waterproof garment provided with ventilation openings. 2,505,451, Apr. 25.

Weintrob, Max M., and G. Gerety, Medford, Mass.; said Weintrob assignor to said Gerety. Cooking oven. 2,494,022, Jan. 10.

Weinzimmer, Samuel J., New Rochelle, N. Y. Skirt and curtain supporting construction. 2,528,848, Nov. 7.

Weir, Arthur W., Wilmington, Calif. Folding hammock support. 2,524,499, Oct. 3.

Weir, Chester I., Buffalo, N. Y. Gravity actuated boat pump. 2,493,050, Jan. 3.

Weir, Frank J., Lakewood, Ohio. Hose clamping tool. 2,513,438, July 4.

Weir, Richard L., Warren, Ohio, assignor of thirty percent to V. Mulvaney, Cheyenne, Wyo. Rotor for helicopters. 2,530,276, Nov. 14.

Weir, Thomas: *See*—
Galitzenstein, Eugen G., Salt, Stanley, and Weir.

Weirich, Arthur J.: *See*—
Weirich, Wallace J., A. J., and W. V.

Weirich, Raymond H., Toledo, Ohio. Disk sharpener. 2,517,950, Aug. 8.

Weirich, Wallace J., A. J., and W. V., Chicago, Ill. Coin dispensing apparatus. 2,532,976, Dec. 5.

Weirich, Wallace V.: *See*—
Weirich, Wallace J., A. J., and W. V.

Weirick, Burnell E., assignor to Kalamazoo Sled Company, Kalamazoo, Mich. Hand sled. 2,526,100, Oct. 17.

Weis, Gilbert C., New Augusta, Ind. Universal checking plate device. 2,501,148, Mar. 21.

Weisbecker, Franch G., Glenside, Pa. Knitting machine attachment. 2,501,246, Mar. 21.

Weisberg, Louis, Stamford, assignor to The Lea Manufacturing Company, Waterbury, Conn. Electrodeposition of cadmium. 2,497,806, Feb. 14.

Weisberg, Sidney M., Newark, assignor to Allied Electric Products, Inc., Irvington, N. J. Fluorescent lamp fixture. 2,513,832, July 4.

Weisberg, Sidney M., Newark, assignor to Allied Electric Products, Inc., Irvington, N. J. Making an electrical connection to an insulated wire. 2,515,105, July 11.

Weisberg, Sidney M., Newark, assignor to Allied Electric Products, Inc., Irvington, N. J. Solderless wire terminal. 2,523,797, Sept. 26.

Weisberg, Sidney M., Newark, assignor to Allied Electric Products, Inc., Irvington, N. J. Machine for making solderless electrical connections. 2,526,717, Oct. 24.

Weisblat, David I., and D. A. Lyttle, assignors to The Upjohn Company, Kalamazoo, Mich. Substituted nitro malonic esters. 2,528,928, Nov. 7.

Weise, Kurt R., University Heights, and H. A. Cotesworth, Cleveland, assignors to The Cleveland Crane & Engineering Company, Wickliffe, Ohio. Electrical current collector. 2,519,165, Aug. 15.

Weiser Company, assignee: *See*—
Solovieff, George B., and Russell.

Weiser, Earnest F., Erie, Pa., assignor to General Electric Company. Temperature regulating system. 2,505,597, Apr. 25.

Weiser, George L.: *See*—
Nichols, Charles A., Bower, Edwards, Fletcher, McCoy, Sample, and Weiser.

Weisgerber, Cyrus A., assignor to Hercules Powder Company, Wilmington, Del. Preparing acrylamide. 2,535,245, Dec. 26.

Weisglass, Louis L., New York, N. Y., assignor to Picker X-Ray Corporation Waite Manufacturing Division, Inc., Cleveland, Ohio. Stabilizer with condenser modulator. 2,494,218, Jan. 10.

Weishaar, Emrich, Ashton, Ill. Post hole digger. 2,526,984, Oct. 24.

Weisheit, Charles, Northfield, Minn. Bookholder. 2,503,015, Apr. 4.

Weiskopf, Edwin C., New York, N. Y. Holder for microscope slides. 2,522,416, Sept. 12.

Weiskopf, Edwin C., New York, N. Y. Automatic washing apparatus. 2,524,581, Oct. 3.

Weisler, Leonard, assignor, by mesne assignments, to Eastman Kodak Company, Rochester, N. Y. Conversion of beta-, gamma-, and delta-tocopherol to alpha-tocopherol by aminoalkylation and reduction. 2,519,863, Aug. 22.

Weisman, Charles, U. S. Navy. Control mechanism for aircraft. 2,505,020, Apr. 25.

Weisman, Charles, United States Navy. Electric controller. 2,523,346, Sept. 26.

Weisman, Donald, assignee: *See*—
Israel, Samuel.

Weiss, Abraham, New York, N. Y. Saving fuel in internal-combustion engines. 2,528,983, Nov. 7.

Weiss, David, Philadelphia, Pa. Continuously measuring angular accelerometer. 2,498,118, Feb. 21.
Weiss, David C., Williamsburg, Va. Night landing visual localizer and glide path indicator. 2,497,427, Feb. 14.
Weiss, Dewey S., Portland, Oreg. Trailer hitch. 2,498,776, Feb. 28.
Weiss, Eric E., White Plains, N. Y., assignor to United Merchants & Manufacturers Inc., Wilmington, Del. Yarn and fabric and making same. 2,526,523, Oct. 17.
Weiss, Ernst: *See*— Heberlein, Georges, and Weiss.
Weiss, Ernst, Bunt, Wattwil, Switzerland, assignor to Heberlein Patent Corporation, New York, N. Y. Rendering cellulosic textile materials transparent and products therefrom. 2,510,919, June 6.
Weiss, Ernst, Wattwil, Switzerland, assignor to Heberlein Patent Corporation, New York, N. Y. Transparentizing regenerated cellulose silk. 2,516,083, July 18.
Weiss, Felix, Brookline, Mass., assignor to Cornell-Dubilier Electric Corporation, South Plainfield, N. J. Winding machine. 2,510,786, June 6.
Weiss, Gerhart, Long Island City, assignor to Multi-Tracer Corporation of America, New York, N. Y. Copying device for pattern pieces. 2,518,208, Aug. 8.
Weiss, Hans, New York, N. Y. Convertible table. 2,520,789, Aug. 29.
Weiss, Hans H., Seattle, Wash. Conveyer for bottle-washing machines. 2,522,912, Sept. 19.
Weiss, Herbert G.: *See*— Brown, Robert J. S., and Weiss.
Weiss, Herbert K., Fort Bliss, Tex. Gun fire director simulator. 2,504,167, Apr. 18.
Weiss, Herbert K., Joppa, Md. Regenerative range tracking apparatus. 2,503,310, Apr. 11.
Weiss, Herbert K., Joppa, Md. Regenerative tracking and smoothing device. 2,531,957, Nov. 28.
Weiss, Louis, St. Louis, Mo. Beverage cooling cabinet of dry air type. 2,494,074, Jan. 10.
Weiss, Manfred, New York, N. Y. Beach or sun hat. 2,495,041, Jan. 17.
Weiss, Phil H., Aberdeen, Md. Apparatus for measuring blast pressures. 2,519,421, Aug. 22.
Weiss, Robert S.: *See*— Finneburgh, Lewis H., Jr., and Weiss.
Weiss, Saul, Washington, D. C., assignor to the United States of America as represented by the Secretary of War. Firing mechanism for mortars. 2,503,309, Apr. 11.
Weiss, Saul, Washington, D. C. Mortar tube with plug type base cap. 2,511,889, June 20.
Weiss, Thomas C., Oklahoma City, and S. King, Bethany, Okla. Fire extinguisher. 2,525,742, Oct. 10.
Weiss, Ulrich, Kew Gardens, assignor to Endo Products, Inc., Richmond Hill, N. Y. Mercaptoacetanilide derivatives. 2,520,293, Aug. 29.
Weiss, Willi, Vernier, assignor to Brevets Aero-Mecaniques S. A., Geneva, Switzerland. Combined fuse. 2,493,278, Jan. 3.
Weiss, William F.: *See*— Weiss, William H. and W. F.
Weiss, William H. and W. F., Racine, Wis. Flexible game bag. 2,518,651, Aug. 15.
Weissbach, Anna, Upper Montclair, N. J. Rack for roasting fowl. 2,504,237, Apr. 18.
Weissberger, Arnold: *See*— Glass, Dudley B., Vittum and Weissberger. Salminen, Ilmari F., and Weissberger.
Weissberger, Arnold, assignor to Eastman Kodak Company, Rochester, N. Y. 2-(mercaptoacetamido)-benzothiazole and its S-acetyl derivative. 2,503,861, Apr. 11.
Weissberger, Arnold, P. W. Vittum, and C. O. Edens, assignors to Eastman Kodak Company, Rochester, N. Y. 1-cyanophenyl-3-acylamino-5-pyrazolone couplers for color photography. 2,511,231, June 13.
Weissenbach, Alfred, New York, N. Y. Smoked food product and preparing same. 2,507,486, May 9.
Weissert, Elwood W., Carnegie, assignor to Bertrand P. Tracy Company, Pittsburgh, Pa. Self-locking setscrew. 2,533,748, Dec. 12.
Weissinger, Harry, Philadelphia, Pa. Doorkeeper. 2,513,069, June 27.
Weissinger, Harry, Philadelphia, Pa. Doorkeeper. 2,513,070, June 27.
Weissman, Eugene, Libertytown, Md. Quick-driving glazier's point. 2,532,797, Dec. 5.
Weissman, Lorant I., Akron, Ohio. Adjustable film hanger. 2,524,216, Oct 3.
Weisstein, Alfred, assignee: *See*— Richardson, Willie.
Weisstein, Samuel: *See*— Richardson, Willie.
Weisz, Paul, now by change of name P. B. Weisz, Swarthmore, Pa., assignor of one-half to H. Friedman, Arlington, Va. Automatic fire alarm. 2,507,359, May 9.
Weisz, Paul B.: *See*— Weisz, Paul.
Weisz, Paul B., Swarthmore, Pa. Geiger-Mueller counter tube. 2,519,864, Aug. 22.
Weitkamp, Alfred W., Hammond, Ind., and J. C. Stamm, assignors to Standard Oil Company, Chicago, Ill. Grease. 2,505,222, Apr. 25.
Weitzer, Saul J.: *See*— Somers, Richard M., and Weitzer
Weizmann, Charles, Rehovoth, Israel, assignor to Polymerisable Products Limited, London, England. Making alkoxy isobutyric acids and derivatives thereof. 2,525,249, Oct. 10.
Weksler Thermometer Corporation, assignee: *See*— Dobrin, Edward P.
Welch, Alanson U., Jr.: *See*— Tuthill, Roger W., and Welch.
Welch, Arthur E., Weston, assignor to Raytheon Manufacturing Company, Newton, Mass. Treating foodstuffs. 2,495,435, Jan. 24.
Welch, Arthur R., Aberdeen, Wash. Method of and apparatus for edge-gluing veneer sheets. 2,516,280, July 25.
Welch, Cyril M., Milbrae, Calif. Liquid measuring gauge. 2,534,644, Dec. 19.
Welch, Edward, assignee: *See*— Salisbury, Harold.
Welch, Henry, Silver Spring, Md., assignor to the United States of America. Stable injectable oil-pectin therapeutic compositions. 2,518,510, Aug. 15.
Welch, Herbert L., Oqussoc, Maine, assignor to Ashaway Line & Twine Mfg. Co. Vise for tying leader ends. 2,495,083, Jan. 17.
Welch, Jerome B.: *See*— Pouchnik, Lawrence J., and Welch.
Welch, Jerome B., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Safety control for welders. 2,494,847, Jan. 17.
Welch, Joe N., Walpole, Mass. Spray apparatus with oscillatory discharge means. 2,532,211, Nov. 28.
Welch, Leonard G., Benton, Ill. Handling device. 2,526,309, Oct. 17.
Welch, Lester M.: *See*— Morrell, Charles E., and Welch.
Welch, Lewis W., Detroit, and A. F. Millington, Northville, assignors to Novi Equipment Company, Novi, Mich. Chuck assembly. 2,535,246, Dec. 26.
Welch, Louis P., Cambria Heights, assignor of one-half to L. J. Schlaefer, Brooklyn, N. Y. Gas pressure operated valve and switch. 2,522,697, Sept. 19.
Welch, Oscar H., John Day, Oreg. Score and/or statistical keeper. 2,521,104, Sept. 5.
Welch, Oswald, assignor to Henry Simon, Limited, Cheadle Heath, England. Grain separator. 2,520,667, Aug. 29.
Welch, Russel A., Detroit, Mich. Endgate construction. 2,527,866, Oct. 31.
Welch, Theodore R., Denville, N. J., assignor to General Motors Corporation, Detroit, Mich. Inspection of raceway surfaces and the like. 2,529,360, Nov. 7.
Welch, Thomas R., assignee: *See*— Allen, Moses.
Welch, Thomas R., Los Angeles, Calif. Visual signal program system. 2,507,744, May 16.
Welch, W. M., Manufacturing Company, assignee: *See*— Kelsey, Lawrence C. Schacht, John F.
Welch, Walter F., Warrensville, N. C. Grubbing machine. 2,511,657, June 13.
Weld, Henry H., assignor to Cone Automatic Machine Company Inc., Windsor, Vt. Grooving or necking mechanism. 2,521,619, Sept. 5.
Welded Steel Shapes, Inc., assignee: *See*— Linsky, Raymond.
Welding Research, Inc., assignee: *See*— Sciaky, David.
Weldon, Harry A., Eastchester, assignor to American Cyanamid Company, New York, N. Y. Blending DDT. 2,529,466, Nov. 7.
Weldy, Robert K., assignor to Ex-Cell-O Corporation, Detroit, Mich. Fuel injection nozzle. 2,512,557, June 20.
Welex Jet Services, Inc., assignee: *See*— Mohaupt, Henry H.
Welin-Maclachlan Davits Limited, assignee: *See*— Howard, William L.
Welk, Nelson S., and R. Connor, assignor to The McBee Company, Athens, Ohio. Collapsible card sorting device. 2,509,546, May 30.
Welker, Charles W., Chicago, Ill. Barbed wire reel truck. 2,498,191, Feb. 21.
Well Equipment Mfg. Corp., assignee: *See*— Parmesan, Daniel J.
Well Surveys, Incorporated, assignee: *See*— Fearon, Robert E. Fearon, Robert E., Thayer, and Swift. Pontecorvo, Bruno. Scherbatskoy, Serge A. Swift, Gilbert, Fearon, and Thayer. Thayer, Jean M., Fearon, and Swift. Thayer, Jean M., Swift, and Fearon.
Wellborn, Starnes R., Nashville, Tenn. Cigarette filter tip. 2,502,545, Apr. 4.
Welldon, Paul B.: *See*— Tinsley, John S., and Welldon.
Weller, Sol W.: *See*— Agron, Paul A., and Weller.
Weller, Thomas H., Ann Arbor, Mich. Rectal scraper. 2,495,794, Jan. 31.
Weller, Winfred W., Likely, Calif. Can opener. 2,500,266, Mar. 14.
Welling, Alwin F., Millbury, Ohio. Quick detachable link for open link chains. 2,508,847, May 23.

Welling, Clement J., assignor of ten percent to M. Welling, Tulsa, Okla. Pump. 2,517,952, Aug. 8.
Welling, May, assignee: *See*—
Welling, Clement J.
Wellington, Albert W., assignor of one-half to N. J. Wellington, Somerville, Mass. Holder for towels and similar articles. 2,504,910, Apr. 18.
Wellington, Cary L., Long Island City, N. Y., assignor to the United States of America as represented by the Secretary of War. All angle of impact inertia fuse. 2,513,536, July 4.
Wellington, Nora J., assignee: *See*—
Wellington, Albert W.
Welliver, Edward V.: *See*—
Welliver, Paul A., and E. V.
Welliver, Paul A., and E. V., Rockford, Ill. Safety device for automobile doors. 2,515,935, July 18.
Wellman, Bertram, Lincoln, assignor to The Electrodyne Company, Boston, Mass. Electronic pulse generator. 2,506,529, May 2.
Wellman, Holley G., Cleveland, Ohio. Ladle-handling mechanism. 2,507,583, May 16.
Wellman, John W.: *See*—
Tishler, Max, and Wellman.
Wellman, Rudyard K., St. Clair Shores, assignor to Wellward Tool Company, Inc., Detroit, Mich. Extensible metallic structure. 2,531,797, Nov. 28.
Wellman, S. K., Company, The, assignee: *See*—
De Marinis, Frank.
Wellman, Samuel K.
Wellman, Samuel K., Cleveland Heights, assignor to The S. K. Wellman Company, Cleveland, Ohio. Frictional apparatus. 2,519,865, Aug. 22.
Wellmar, Sven, Abrahamsberg, assignor to A. B. Svenska Fläktfabriken, Stockholm, Sweden. Apparatus for drying material in the form of webs. 2,518,104, Aug. 8.
Wells, Adelbert O., and V. F. Kirchoff, Burbank, Calif. Shutoff for automatic sprinklers. 2,520,588, Aug. 29.
Wells, Alden C., Kansas City, Mo. Building panel. 2,513,977, July 4.
Wells, Arthur M., Webster Groves, assignor to Achuff Railway Supply Company, St. Louis, Mo. Rail anchor. 2,503,229, Apr. 4.
Wells, Clinton H.: *See*—
Eguchi, George M., and Wells.
Wells, Earl J., Comptche, Calif. Chuck. 2,530,318, Nov. 14.
Wells, Edward C., Seattle, Wash., assignor to Boeing Airplane Company. Aircraft having a plurality of fluidly interconnected laterally disposed landing gear units. 2,519,522, Aug. 22.
Wells, Frank H., Malvern Link, assignor to Minister of Supply, in His Majesty's Government of the United Kingdom of Great Britain and Northern Ireland, London, England. Decoder. 2,534,746, Dec. 19.
Wells, Frank W., Pasadena, Calif. Adjustable hand rake. 2,532,526, Dec. 5.
Wells, George W., Amesbury, Mass., Boston Safe Deposit and Trust Company, executor of said G. W. Wells, deceased. Variable stroke press. 2,495,084, Jan. 17.
Wells, Guy H., Dayton, Ohio. Permanent railway bed. 2,499,939, Mar. 7.
Wells, Harold E., Kenmore, assignor to Bell Aircraft Corporation, Wheatfield, N. Y. Aircraft control system. 2,504,096, Apr. 11.
Wells, Ira M., Oakland, Calif. Vacuum street cleaner. 2,496,028, Jan. 31.
Wells, Joseph H.: *See*—
Liebel, Charles R., Wells, and Wilson, Jr.
Wells, Joseph H., and P. J. Wilson, Jr., Pittsburgh, Pa., assignors to Carnegie-Illinois Steel Corporation. Paint and varnish. 2,494,418, Jan. 10.
Wells, Joseph H., and P. J. Wilson, Jr., Pittsburgh, Pa., assignors to Carnegie-Illinois Steel Corporation. Utilizing acid sludge. 2,494,420, Jan. 10.
Wells, Lansing S.: *See*—
Flint, Einar P., Shartsis, and Wells.
Wells, Leland E., Cleveland Heights, assignor to Willard Storage Battery Company, Cleveland, Ohio. Storage battery. 2,516,084, July 18.
Wells, Lloyd J., El Monte, Calif. Flexible pouring spout structure for liquid containers. 2,533,305, Dec. 12.
Wells Manufacturing Company, assignee: *See*—
Wells, Raymond L.
Wells, Martin, Pasadena, Calif. Heavy-duty welding rod holder. 2,504,607, Apr. 18.
Wells, Philip H.: *See*—
Palmer, William H., and Wells.
Wells, Ralph V., Tuscumbia, Mo. Stanchion. 2,523,459, Sept. 26.
Wells, Raymond L., assignor to Wells Manufacturing Company, Attleboro, Mass. Making bracelets. 2,495,560, Jan. 24.
Wells, Richard T., assignee: *See*—
Lucas, Joseph E.
Wells, Robert L., Douglas, Ga., assignor to Bucyrus-Erie Company, South Milwaukee, Wis. Combined bulldozer and tractor shovel. 2,530,414, Nov. 21.
Wells, Roy E., San Mateo, Calif. Totalizator. 2,494,419, Jan. 10.
Wells, Wesley B.: *See*—
Fisher, Arthur W., and Wells.
Wells, Wesley B., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Control unit for light signals. 2,503,786, Apr. 11.
Wells, Wesley B., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Aligning highway crossing signal lamps. 2,520,866, Aug. 29.
Wells, William F., Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Induction heating apparatus. 2,495,193, Jan. 17.
Wells, William H., Forest Hills, W. E. Stephens, Philadelphia, W. E. Shoupp, Wilkinsburg, Pa., and R. O. Haxby, La Fayette, Ind., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Artificial atomic disintegration. 2,500,223, Mar. 14.
Wells, William J., assignor to F. N. Burt Company, Inc., Buffalo, N. Y. Display and shipping carton. 2,495,676, Jan. 24.
Wells, William S., Palo Alto, assignor to P. S. Linforth, San Francisco, Calif. Air gun. 2,499,340, Feb. 28.
Wells, William S., Palo Alto, assignor to P. S. Linforth, San Francisco, Calif. Self-loading air gun. 2,528,462, Oct. 31.
Wellstatter, Rosa R., New York, N. Y. Garment. 2,519,866, Aug. 22.
Wellward Tool Company, Inc., assignee: *See*—
Wellman, Rudyard K.
Wellworthy Piston Rings Limited, assignee: *See*—
Woolcott, Arthur J.
Welsh, Edward, Hatley, Wis. Hand hoist sack filler. 2,508,699, May 23.
Welsh, James P., Buffalo, and J. L. Jewett, Cheektowaga, N. Y., assignors to the United States of America as represented by the Secretary of the Air Force. Tow target carrier. 2,499,012, Feb. 28.
Welsh, James W., Providence, R. I., assignor to Welsh Manufacturing Company. Clip for writing instruments. 2,523,605, Sept. 26.
Welsh Manufacturing Company, assignee: *See*—
Lindblom, Frank W.
Welsh, James W.
Wentworth, Wilbur.
Welsh, Robert J.: *See*—
Chittenden, John P., and Welsh.
Welsh, Robert J., Rugby, assignor to The English Electric Company Limited, London, England. Controlling the cyclic operation of components of a power plant. 2,515,065, July 11.
Welsh, Robert J., Rugby, assignor to The English Electric Company Limited, London, England. Control of free piston type internal-combustion engines. 2,520,294, Aug. 29.
Welsh, Robert J., Rugby, England, and R. H. Block, Zurich, Switzerland, assignors to The English Electric Company Limited, London, England. Control of free piston type internal-combustion compressors. 2,520,295, Aug. 29.
Welsh, Robert J., Rugby, assignor to The English Electric Company Limited, London, England. Free piston internal-combustion gas generator operated at constant compressor clearance volume. 2,535,558, Dec. 26.
Welshans, Frank M. and H. A., Percy, Ill. Fruit picker. 2,507,655, May 16.
Welshans, Hazel A.: *See*—
Welshans, Frank M. and H. A.
Welshman, James R., Cranston, assignor to Grinnell Corporation, Providence, R. I. Flaring tubing. 2,535,470, Dec. 26.
Welte, Benedict: *See*—
Pataki, Denes, and Welte.
Welte, Benedict, Lake Orion Township, Oakland County, assignor to Colonial Broach Company, Warren Township, Mich. Cooling system for vertical broaching machines. 2,502,907, Apr. 4.
Welte, Benedict, Lake Orion Township, Oakland County, assignor to Colonial Broach Company, Detroit, Mich. Broaching machine. 2,529,718, Nov. 14.
Welter, Amthor S., executor: *See*—
Cady, Ernest L.
Welter, Roy A., Grand Forks, N. Dak. Garbage can holder. 2,503,531, Apr. 11.
Welti, Heinrich, assignee: *See*—
Fehr, Max.
Weltmann, Ruth N., Forest Hills, assignor to Interchemical Corporation, New York, N. Y. Viscometer recorder. 2,497,919, Feb. 21.
Weltronic Company, assignee: *See*—
Collom, Cletus J.
Undy, Gustav E.
Welty, Albert B., Jr., Mountainside, N. J., assignor to Standard Oil Development Company. Separating hydrogen from hydrogen containing gases. 2,526,524, Oct. 17.
Wember, Walter E., Waukegan, Ill., assignor, by mesne assignments, to National Autostitch Corporation. Stapling tool. 2,501,703, Mar. 28.
Wember, Walter E., Waukegan, Ill., assignor, by mesne assignments, to National Autostitch Corporation. Magazine and feed means for stapling implements. 2,519,617, Aug. 22.
Wemp, Eleanor M., assignee: *See*—
Wemp, Ernest E.

Wemp, Ernest E., Detroit, Mich., assignor of five per cent to E. M. Wemp, Los Angeles, Calif., twenty per cent to L. A. Wemp, five per cent to L. K. Smith, and five per cent to C. J. Smith, Detroit, Mich. Torus chamber hydraulic torque converter. Re. 23,242, June 13.
Wemp, Ernest E., Detroit, Mich. Control for clutch and engine throttles. 2,505,447, Apr. 25.
Wemp, Ernest E., Detroit, Mich. Transmission and clutch control. 2,505,448, Apr. 25.
Wemp, Ernest E., Detroit, Mich., assignor of five per cent to E. M. Wemp, Los Angeles, Calif., five per cent to L. K. Smith, five per cent to C. J. Smith, and twenty per cent to L. A. Wemp, Detroit, Mich. Transmission. 2,505,449, Apr. 25.
Wemp, Ernest E., assignor of twenty per cent to L. A. Wemp, Detroit, Mich., five per cent to E. M. Wemp, Los Angeles, Calif., five per cent to L. K. Smith, and five per cent to C. J. Smith, Detroit, Mich. Mechanism for transmitting torque. 2,505,450, Apr. 25.
Wemp, Ernest E., Detroit, Mich., assignor of five percent to E. M. Wemp, Los Angeles, Calif., five percent to L. K. Smith, five percent to C. J. Smith and twenty percent to L. A. Wemp, Detroit, Mich. Speed change transmission. 2,518,734, Aug. 15.
Wemp, Ernest E., Detroit, Mich., assignor of five percent to E. M. Wemp, Los Angeles, Calif., five percent to L. K. Smith, five percent to C. J. Smith and twenty percent to L. A. Wemp, Detroit, Mich. Coupling for torque transmission. 2,518,735, Aug. 15.
Wemp, Ernest E., Detroit, Mich. Clutch plate. 2,520,350, Aug. 29.
Wemp, Lila A., assignee: *See*—
Wemp, Ernest E.
Wenatchee Foods Incorporated, assignee: *See*—
Chenette, John E.
Wendelburg, Frank W., and E. C. Brekelbaum, assignors to Harnischfeger Corporation, Milwaukee, Wis. Eddy current preloaded controllable speed motor. 2,493,607, Jan. 3.
Wendell, Evert J., Wayne, and R. B. Sargent, Erdenheim, assignors to Hale Fire Pump Co., Conshohocken, Pa. Valve stem lock. 2,521,659, Sept. 5.
Wendling, Le Roy J.: *See*—
Fischer, Harry G., and Wendling.
Wendover, Jack S., Los Angeles, Calif., and C. F. Webber, Minneapolis, Minn. Apparatus for synchronized projection of pictures and music on film. 2,511,312, June 13.
Wendt, Earl F.: *See*—
Kuemmerlein, Theodore J., and Wendt.
Wendt, Harry C., Lynnfield, Mass., assignor to General Electric Company. Gyroscope electrical connection apparatus. 2,523,081, Sept. 19.
Wendt, Harry C., Lyndfield, Mass., Assignor to General Electric Company. Gyroscope positioning apparatus. 2,524,553, Oct. 3.
Wendt, Harry C., Lynnfield, Mass., assignor to General Electric Company. Gyroscopic instrument. 2,535,003, Dec. 19.
Wendt, Karl R., Hightstown, N. J., assignor to Radio Corporation of America. Television horizontal deflection. 2,512,400, June 20.
Wendt, Karl R., Hightstown, N. J., assignor to Radio Corporation of America. Electronic keyer for direct current restoration. 2,525,106, Oct. 10.
Wendt, Karl R., Hightstown, N. J., assignor to Radio Corporation of America. Television in natural color. 2,531,544, Nov. 28.
Wendt, Robert H., assignee: *See*—
Dautrick, Owen L.
Peters, Faith P.
Wendt, Robert H., Evanston, Ill. Electric flashlight. 2,513,071, June 27.
Wendt, Robert H., Evanston, Ill. Binder and fastening device for the same. 2,524,615, Oct. 3.
Wendt, Robert H., Evanston, Ill. Binder and fastening device for the same. 2,524,688, Oct. 3.
Wengel, Arthur M., Blooming Grove, Wis., assignor to Ray-O-Vac Company. Voltage regulator, particularly for flash equipment for photography. 2,495,301, Jan. 24.
Wenger, Harvey M.: *See*—
Matthews, Charles, and Wenger.
Wenger, Wiley D., Riverton, N. J., assignor to Radio Corporation of America. Heat sealing applicator with removable electrode. 2,529,717, Nov. 14.
Wengert, Orville G., State Center, Iowa. Wagon box unloading scraper. 2,495,358, Jan. 24.
Wenham, Ralph G., assignee: *See*—
Gilbert, George L.
Wenigar, Harry H., Danvers, Minn. Hydraulic hoist for trailers and farm wagons. 2,525,983, Oct. 17.
Wennberg, Odd: *See*—
Zinn, Julius A., Jr., and Wennberg.
Wenner, Ira R., Sycamore, Ohio. Snowplow. 2,498,470, Feb. 21.
Wennerberg, August: *See*—
Brunner, Anton J., and Wennerberg.
Wennerbo, Erik, assignor to Industriaktiebolaget Luxor, Motala, Sweden. Record changing mechanism for phonographs. 2,506,555, May 2.
Wennerbo, Erik, assignor to Industriaktiebolaget Luxor, Motala, Sweden. Automatic magazine phonograph. 2,529,438, Nov. 7.
Wennerstrom, Knut W., Dayton, Ohio. Photographic exposure determining device. 2,508,129, May 16.
Wente, Edward C.: *See*—
Munson, Wilden A., and Wente.
Wentland, Robert J., Chicago, Ill., assignor to The Richardson Company, Lockland, Ohio. Preparing molding bituminous material and product thereof. 2,524,644, Oct. 3.
Wentworth, Chandler: *See*—
Donley, Hugh L., and Wentworth.
Wentworth, Chandler, Princeton, N. J., assignor to Radio Corporation of America. Making saggers. 2,496,078, Jan. 31.
Wentworth, Chandler, Princeton, N. J., assignor to Radio Corporation of America. High dielectric materials and producing them. 2,529,719, Nov. 14.
Wentworth, Hampden: *See*—
Peterson, Albin, and Wentworth.
Wentworth, Herbert H., Atlanta, and J. M. Jeffrey, Duluth, Ga., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Automatic control for booster relay on electric vehicles. 2,525,507, Oct. 10.
Wentworth, Wilbur, Cranston, R. I., assignor to Welsh Manufacturing Company. Spectacle sweat bar. 2,496,969, Feb. 7.
Wentz, William M., Carney's Point, N. J., assignor to E. I du Pont de Nemours & Company, Wilmington, Del. Continuous processing machine for textile fabrics. 2,505,657, Apr. 25.
Wenz, Frank W., San Francisco, Calif. Hydraulic transmission. 2,519,523, Aug. 22.
Wenzel, Alfred C.: *See*—
Drescher, Rowland B., and Wenzel.
Wenzel, William R., Maspeth, assignor of one-third to T. A. Laquidara, and one-third to J. C. Sirkin, New York, N. Y. Menstrual calendar device. 2,511,555, June 13.
Wepfer, William M., Jr., Jamaica, N. Y. Directional signals for automobiles. 2,508,630, May 23.
Werber, Jack, Beacon, N. Y. Snow suit. 2,502,296, Mar. 28.
Werber, Jack, Newburgh, N. Y. Shirt. 2,526,785, Oct. 24.
Werbin, Sanford J., assignor to Stein, Hall & Company, Inc., New York, N. Y. Ice cream and stabilizer therefor. 2,502,397, Mar. 28.
Werbiskas, John: *See*—
Giovannucci, Julius L., Werbiskas, and Balmer.
Werder, Frances K., executrix: *See*—
Werder, John F.
Werder, Fritz V.: *See*—
Zima, Otto, and Werder.
Werder, John F., Chagrin Falls; F. K. Werder, executrix of said J. F. Werder, deceased, assignor to The Zip Abrasive Company, Cleveland, Ohio. Lubricant purification system and apparatus. 2,500,781, Mar. 14.
Werkheiser, Charles F., assignor to E. B. & A. C. Whiting Company, Burlington, Vt. Bristle clamping device. 2,521,105, Sept. 5.
Werkspoor, N. V., assignee: *See*—
Lugt, Gerard J.
Van der Werff, Willem.
Werle, Armand E., Oakland, and R. V. Mlick, San Leandro, Calif. Game device with electrical scoring means. 2,495,620, Jan. 24.
Werner, Alfred J., Newport, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of titanium oxide pigments. 2,512,079, June 20.
Werner, Anton, and J. Kiss, Jr., New York, N. Y. Collocating device for tools. 2,500,224, Mar. 14.
Werner, Calvin J., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Centrifugal switch. 2,518,534, Aug. 15.
Werner, Charles L., assignor to John Werner & Sons, Inc., Rochester, N. Y. Machine for making candy suckers. 2,513,609, July 4.
Werner, Donald L., New Brunswick, N. J. Gas vent. 2,498,599, Feb. 21.
Werner, Edward A., Atlanta, Ga. Superphosphate manufacturing plant. 2,531,798, Nov. 28.
Werner, Frank D., Silver Spring, Md., assignor to the United States of America, as represented by the Secretary of the Navy. Nutator. 2,498,056, Feb. 21.
Werner, G. Eugene, Portland, Oreg. Wrench having separable work encircling portion and pivoted dog grippers. 2,514,687, July 11.
Werner, Harry C.: *See*—
Heinemann, Robert O., Langer and Werner.
Werner, John, & Sons, Inc., assignee: *See*—
Werner, Charles L.
Werner, John E., Glenshaw, and H. D. Bechtol, Edgewood, assignors to The Union Switch & Signal Company, Swissvale, Pa. Noise suppression means for communication receiving apparatus. 2,509,381, May 30.
Werner, John E., Glenshaw, H. D. Bechtol, and E. W. Breisch, Edgewood, assignors to The Union Switch and Signal Company, Swissvale, Pa. Frequency meter. 2,520,867, Aug. 29.
Werner, Le Roy L., Washington, D. C. Conveyer switch. 2,511,027, June 13.
Werner, Louis A., Detroit, Mich. Low-pressure molding plastic material. 2,511,421, June 13.
Werner, Louise A., Cleveland, Ohio. Ventilator drip shield. 2,507,287, May 9.

Werner, Sten S. T.: *See*—
Malmqvist, Johan D., Gustafsson, and Werner.

Werner, Sture E., assignor to L. M. Ericssons Kassaregister Aktiebolag, Stockholm, Sweden. Cash register, accounting machine, and the like. 2,533,075, Dec. 5.

Werner, Vilém, Plzen, and K. Kubelka, Blansko, assignors of one-third to Zbrojovka Brno, Narodni Podnik, also named Brno Arms Factory, National Corporation, Prague, Czechoslovakia. Continuous path gripper shuttle loom. 2,493,515, Jan. 3.

Werner, William V., and H. H. Heimer, Phoenix, Ariz. Ink container. 2,496,761, Feb. 7.

Wernette, Eugene B., La Crescenta, Calif. Clothespin. 2,519,987, Aug. 22.

Wernicke, Bruno K.: *See*—
Aschenbrenner, Claus, Heidelauf, Mestwerdt, and Wernicke.

Wernig, James H., and A. A. Cripps, assignors to General Motors Corporation, Detroit, Mich. Front construction for automobile steel bodies. 2,520,074, Aug. 22.

Wernli, Max, assignor to Société Anonyme des Aciéries ci-devant Georges Fischer, Schaffhausen, Switzerland. Pipe cutter. 2,516,817, July 25.

Werntz, James H., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymeric polyamine and wax compositions and articles treated therewith. 2,495,283, Jan. 24.

Werntz, James H., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Copolymerization product of n-vinyl lactams and polymerizable esters, and making same. 2,497,705, Feb. 14.

Werring, Walter W.: *See*—
McCoy, Robert G., and Werring.

Wersching, Jacob A., Chicago, Ill. Drapery fixture. 2,534,491, Dec. 19.

Wert, Edwin A., assignor to Blaw-Knox Company, Pittsburgh, Pa. Trolley for pipe hangers. 2,515,028, July 11.

Werth, Frank F., Markesan, Wis. Power shovel and fork attachment for tractors. 2,518,105, Aug. 8.

Werts, Richard A., Long Beach, Calif. Flow bean. 2,510,356, June 6.

Wertz, Frank G., Cambria, Pa., assignor to Carnegie-Illinois Steel Corporation. Rail fastening device. 2,535,337, Dec. 26.

Wertz, Frederick L., Montclair, N. J. Display device for advertisements. 2,514,816, July 11.

Wertz, Hugh S., Manhasset, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cathode-ray tube circuit. 2,496,970, Feb. 7.

Weschler, William S., Camden, and R. P. Corporon, Haddonfield, N. J., assignors to Radio Corporation of America. Through bushing. 2,523,741, Sept. 26.

Wescott, William B., Dover, Mass., assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio. Apparatus for cleaning printing surfaces in offset printing machines. 2,525,982, Oct. 17.

Weser, Oscar E., Chicago, Ill. Smoker's device. 2,516,437, July 25.

Wesik, Harry H., Lindenhurst, N. Y. Adjustable clam opener. 2,520,790, Aug. 29.

Wesley, Andrew, Plainfield, N. J., assignor to The International Nickel Company, Inc., New York, N. Y. Anode assembly. 2,504,238, Apr. 18.

Wesseler, Adeline C., Los Angeles, Calif. Calendar. 2,509,121, May 23.

Wessendorf, Henry B., Dayton, Ohio. Lawn trimmer. 2,528,929, Nov. 7.

Wessig, August, Chicago, Ill. Foldable bench. 2,527,902, Oct. 31.

Wessman, Daniel, assignor to Towmotor Corporation, Cleveland, Ohio. Keg puller loading device for industrial trucks. 2,496,079, Jan. 31.

West, Albert E., Piedmont, Calif. Safety voltage detector. 2,500,725, Mar. 14.

West, Austin A., Redondo Beach, Calif. Valve. 2,514,431, July 11.

West, Austin W., Dayton, Ohio. Burglar alarm switch. 2,511,955, June 20.

West, Charles H., Sturgis, Ky. Means for supporting four-in-hand neckties. 2,502,297, Mar. 28.

West, Charles P., H. H. Rugg, and P. R. Pierson, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Bus structure. 2,531,017, Nov. 21.

West, Clarence, Oak Park, assignor of one-half to G. Gillam, Chicago, Ill. Sink rim. 2,525,161, Oct. 10.

West Company, The, assignee: *See*—
Underwood, James E.

West, Cutler D.: *See*—
Hyman, Mark, Jr., and West.

West Disinfecting Company, assignee: *See*—
Gilmore, Burdette B.
Marcuse, John A.

West, Edith E.: *See*—
West, Emmitt W. and E. E.

West, Edward E., Richmond, Va. Bag stringing machine. 2,511,658, June 13.

West, Emmitt W. and E. E., Holbrook, Ariz. Poultry hood. 2,505,926, May 2.

West, Ernest: *See*—
West, Frederick J. and E.

West, Frederick J. and E., assignors to West's Gas Improvement Company Limited, Manchester, England. Rotary grate having fuel cutting means. 2,494,975, Jan. 17.

West, Harold E. W., Allestree, assignor to Rolls-Royce Limited, Derby, England. Cam operated switch contact. 2,532,000, Nov. 28.

West, Herbert J., Pittsburgh, Pa., assignor to American Cyanamid Company, New York, N. Y. Nitroalcohol phosphate curing catalyst for aminoplasts. 2,526,179, Oct. 17.

West, Herbert J., and W. T. Watt, Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Preparing water-soluble melamine-formaldehyde resins and products thereof. 2,529,856, Nov. 14.

West, Howard K.: *See*—
Berger, Emil J., and West.

West, James F.: *See*—
West, William L. and J. F.

West, James R.: *See*—
Hill, George B., and West.
Jones, Frank D., and West.

West, James R., Ottumwa, assignor to Deere Manufacturing Co., Dubuque, Iowa. Feeding control means for harvesters. 2,524,151, Oct. 3.

West, John A., Jr., Lake View, assignor to Westplex corporation, Rochester, N. Y. Optical case. 2,501,113, Mar. 21.

West, John B., assignor to Maryland Paper Products Company, Inc., Baltimore, Md. Straw packaging machine. 2,528,930, Nov. 7.

West, John J., and E. L. Freeman, Baltimore, Md. Bowling pin spotting device. 2,499,081, Feb. 28.

West, John W.: *See*—
Clark, James E., Ronci, and West.
Ronci, Victor L., and West.

West, John W., Jackson Heights, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. High-power electron discharge device. 2,528,849, Nov. 7.

West, John W., Maplewood, assignor to The Thomas & Betts Co., Elizabeth, N. J. Electrical disconnector. 2,522,417. Sept. 12.

West, Judson, Jr., and E. S. Pridham, assignors to The Magnavox Company, Fort Wayne, Ind. Primary dry cell. 2,526,101, Oct. 17.

West, Marvin E., Chicago, Ill. Medicinal applicator. 2,516,818, July 25.

West, Max A., and L. Aurich, assignors to Recordia Manufacturing Co., Inc., New York, N. Y. Sandal with a quickly detachable closure strap. 2,505,076, Apr. 25.

West, Max H., Fayetteville, Pa. Septic tank treatment of sewage. 2,528,403, Oct. 31.

West, Merle J.: *See*—
Zierold, Herman A., and West.

West Road Co. Limited, assignee: *See*—
Goudime-Levkovitsch, Paul, and Smith.
Smith, Stanley J.

West, Victor E., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Refrigerator car hatch construction. 2,532,472, Dec. 5.

West, Wilfred H., Oakland, Calif. Towel dispensing cabinet. 2,534,645, Dec. 19.

West, William H., Kansas City, Mo. Venetian blind structure. 2,504,771, Apr. 18.

West, William L. and J. F., Belmont, N. C. Toy roundabout. 2,521,620, Sept. 5.

West, Willis Z., Jr., and M. F. Gamble, Winston-Salem, N. C. Centrifugally operated switch. 2,499,122, Feb. 28.

Westall, Rudolph L., Springfield, N. J. Liquid level indicator for storage batteries and other liquid containers. 2,512,757, June 27.

West Bend Aluminum Company, assignee: *See*—
Finch, Leonard E.
Kircher, Ralph N.
Krueger, Robert G., and Kruke.
Morrison, Willard L., Jr.
Morrison, Willard L., Jr., and Vandeloo.

Westbrook, William C., Grapeland, Tex. Control mechanism for pumps. 2,535,617, Dec. 26.

West Coast Electronics Company, assignee: *See*—
Grove, Howard G.

Westcott, Brayton W., Grosse Pointe, C. Colvin, and H. R. Grant, Detroit, Mich., assignors to G. M. and E. Holley. Vacuum ignition advance. 2,503,645, Apr. 11.

Westcott, Marion D., and F. D. Armentrout, Washington, D. C. Apron. 2,495,436, Jan. 24.

Westcott, Russell G.: *See*—
Behnke, George W., Westcott, and Sandula.

Westcott, Vernon C., Lincoln, assignor to Raytheon Manufacturing Company, Newton, Mass. Blocking oscillator trigger circuit. 2,509,792, May 30.

Westcott, William B., Jr.: *See*—
Ashton, Benjamin N., and Westcott.

West End Chemical Company, assignee: *See*—
Wiseman, James.
Wiseman, James, Blackmun, and Hellmers.
Wiseman, James V., Blackmun, and Hellmers.

Westendorp, Willem F.: *See*—
Langmuir, Robert V., Pollock, and Westendorp.

Westendorp, Willem F., Schenectady, N. Y., assignor to General Electric Company. Electron accelerator having direct current starting circuit. 2,528,526, Nov. 7.

Westendorp, Willem F., Schenectady, N. Y., assignor to General Electric Company. Controller for magnetic induction accelerators. 2,535,710, Dec. 26.
Westenfelder, Robert O., Portland, Oreg. Guide map for use in automobiles and airplanes. 2,513,072, June 27.
Westenhaver, Ira V., Detroit, Mich. Casket and burial vault combined. 2,508,319, May 16.
Westenheffer, George B., assignee: *See*—
Singer, Edwin.
Westerlin & Campbell Company, assignee: *See*—
Boyle, John R.
Westerman, Carroll C. and G. W., Artesia, N. Mex. Paraffin knife. 2,506,530, May 2.
Westerman, Granval W.: *See*—
Westerman, Carroll C. and G. W.
Western Blue Print Company, assignee: *See*—
Phillips, Walter B.
Western Electric Company, Incorporated, assignee: *See*—
Allen, Raymond P., Jr., and Sohn.
Allen, Raymond P., Jr., Johnston, and Sohn.
Babbitt, Bethel J., and Simmons.
Bain, Lewis A., Jr.
Bain, Lewis A., Jr., and Malone.
Barkstrom, Elmer E., and Gurskis.
Bartusek, Joseph F.
Batina, Raymond T.
Batt, Thomas H.
Berggren, George E.
Bertalan, Edward.
Bertalan, Edward, and Rice.
Blaisdell, Charles O.
Bockisch, Walter A.
Bohaboy, Edward J.
Bohne, Frederick P.
Bonnett, Gerson.
Bouget, Yves A.
Boynton, Stanley E., and Ewaldson.
Boynton, Wentworth D.
Boynton, Wentworth D., and Schober.
Brandt, Edward A.
Brillhart, Samuel E.
Brunner, Anton J., and Wennerberg.
Buchwald, Charles E., and Ehret.
Bunch, Tillman T.
Bureau, Arthur A.
Bureau, Arthur A., and Denny.
Carmer, Bertram H., Jr., and Dutra.
Chapman, Alan T.
Chatterton, Earl L., and Mooring.
Christiansen, Milton J., Detuno, and Garbe.
Cihlar, Anthony J., and Moore.
Clark, Robert A.
Coffey, George L.
Cox, Thomas K.
Crane, George R.
Davis, Charles C.
Deichmiller, Alwin, and Shalla.
Denny, Edson M.
Detuno, Rocco J., and Garbe.
Diekmann, Daniel J., and Polivka.
Dillon, Henry V.
Drobish, Adolph E.
Duncan, Julian J.
Dunn, John R., and Smith.
Eckel, John F., and Gillis.
Edwards, Karl C.
Edwards, Karl C., and Jones.
Ehlschlager, Arthur J.
Ertner, Edward W.
Fermanian, Armen, Soderman, and Workman.
Franz, Erwin E.
Frayne, John G.
Frisbie, Stewart E., and Weeks.
Gambrill, Richard D.
Gilley, Thomas G.
Gliss, George E.
Gray, Alvin N.
Hamilton, James O., and Rozankowski.
Hanson, Estyle D.
Hennessey, Francis W.
Henning, George E.
Hodgdon, Frank B.
Holcomb, Arthur L.
Jarman, Vincent G.
Jones, David D.
Jongedyk, Ralph.
Juvinall, James W., and Snorek.
Kagi, Walter W., and Laird.
Kling, John J.
Kohler, Peter J.
Kolar, Frank J., Jr.
Krause, Carl H., Meylich, and Schetz.
Kruse, Eugene A.
Kuebler, Louis E.
Kurtz, Paul H.
Larson, Harry R.
Lawrence, Roger C.
Lerch, Brooke W.
Lewis, Clay E.
Lodge, Joseph E.
Loney, William W.
Loucks, Alton L.
Lubbert, Carl B., and Sears.
Lutz, Raymond P.
Western Electric Company, Incorporated, assignee: *See*—Continued.
MacPheat, Alexander M.
Malhiot, Eugene L.
Manning, Robert B.
Marcus, Jerome R.
Marcus, Jerome R., and Turner.
Marcus, Jerome R., and Warning.
Marik, Edward F.
Martin, Samuel M.
Maylich, Milton J., and von Hasseln.
McCain, Cecil C.
Merwin, Harry H., and Reynolds.
Meyerhoff, Albert J., and Sulzer.
Moore, Norman C.
Nelson, Oscar G.
Nelson, Oscar G., and Powell.
Nelson, Wilbur L.
Nystrom, Axel C., and Volckhausen.
Otto, Willard G.
Pagliarulo, Vincent.
Pethes, Theodore J.
Prickett, Alfred J.
Pugh, Emerson.
Quinlan, Amos L.
Rabinow, Morris Z.
Raetsch Bruno A.
Rank, Anton.
Rayburn, Vincent A.
Reeves, Alexander B.
Russell, Alexander G.
Schaid, Arthur J.
Schaufelberger, Henry W.
Scherig, Roy K.
Schmidt, John H.
Schneider, Robert.
Scrantom, De Hart G.
Sherrill, Sloan S.
Smith, Bernard W.
Snorek, Stanley J.
Soderman, George W.
Sulzer, John H.
Taborsky, Frank G.
Taggart, Dawson M.
Trimble, Charles H.
Veale, Charles C.
Warren, Chester L.
Wojciechowski, Bogumil M.
Wolfe, Halley.
Yellott, Kinloch N.
Western Electrochemical Company, assignee: *See*—
Schumacher, Joseph C.
Western Engineering Trust, assignee: *See*—
Mardulli, Michael J.
Western Engineering Trust, trustee, assignee: *See*—
Delegard, Carl J., and Nardulli.
Nardulli, Peter F.
Western Filter Co., assignee: *See*—
Pyle, Robert H.
Western Gear Works, assignee: *See*—
Langdon, Robert S.
Western Hardware & Specialty Manufacturing Company, assignee: *See*—
Judell, Julius S.
Western Harness Racing Association, assignee: *See*—
Moran, Edward F., and Vaughn.
Okress, Ernest C., and Holmboe.
Palmer, Robert T.
Stearns, Kenneth R.
Voysey, Alfred E.
Whitmore, James B., Newcombe, and Makenny.
Western Insulated Products, Inc., assignee: *See*—
Humble, Charles F.
Western Oil Tool & Engineering Co. Inc., assignee: *See*—
Moon, James, and Shaw.
Western Photo Supply Co., assignee: *See*—
Gruber, Wilhelm B.
Western Pine Association, assignee: *See*—
Anderson, Arthur B., and Hermann.
Western Pine Mfg. Company Limited, assignee: *See*—
Carman, Harold C.
Western Precipitation Corporation, assignee: *See*—
Hamilton, James H.
Schmidt, Walter M.
Viets, Floyd H.
Western Reserve University, assignee: *See*—
Pillemer, Louis.
Western School Supply Company, Inc., assignee: *See*—
Torkelson, Frank C.
Western States Machine Company, The, assignee: *See*—
Hertrich, Joseph.
Western Union Telegraph Company, The, assignee: *See*—
Agnew, Edward J.
Angel, Herbert.
Blanton, William B., and Agnew.
Blanton, William B., and Ayers.
Boughtwood, John E., and Michon.
Cannon, William D., and Cantor.
D'Humy, Fernand E., Corwith, Parrott and O'Brien.
Erickson, George L.
Kline, Bernard L.
Meigs, Return J.
Nelson, Dale H.
Palmer, William H., and Wells.

Western Union Telegraph Company, The, assignee: *See*— Continued.
Ridings, Garvice H.
Wheeler, Herbert H., and Markley.
Wise, Raleigh J.
Wise, Raleigh J., Parrott, and Ridings.
Westerveld, Adolf, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Radio receiver gain control. 2,503,787, Apr. 11.
Westervelt, G. C., assignee: *See*—
Shamos, Morris H., and Lowen.
Westervelt, W. I., assignee: *See*—
Shamos, Morris H., and Lowen.
Westfall, Ada L., Jacksonville, Fla. Trousettes. 2,505,165, Apr. 25.
Westfall, Robert W., North Hollywood, assignor of forty-nine per cent to E. C. Marshall, Los Angeles, Calif. Tagline device. 2,532,828, Dec. 5.
Westfall, Willis V., Amarillo, Tex. Plow. 2,503,532, Apr. 11.
West Fargo Manufacturing Company, assignee: *See*—
Van Orsdale, Val A.
Westfield Metal Products Co., Inc., assignee: *See*—
Johnson, Robert A.
Westhaver, John L., San Diego, Calif. Light-weight optical lever micrometer. 2,500,726, Mar. 14.
Westheimer, Frank H.: *See*—
Kharasch, Morris S., and Westheimer.
Westinghouse Air Brake Company, The, assignee: *See*—
Bent, Arthur J.
Cadman, Norman G.
Cadman, Norman G., and Vigor.
Campbell, James A.
Cook, Earle S.
Down, Sidney G.
Farmer, Clyde C.
Frola, Joseph F.
Hewitt, Ellis E.
Kelley, Cecil S.
Kershaw, Norman G.
Kirk, Walter B.
Leech, Kenneth H., and Shattock.
May, Harry C.
McClure, Glenn T.
Newell, George K.
Stevens, Roy R.
Stevens, Roy R., and Miller.
Watson, Robert E.
Whitney, Ralph T.
Westinghouse Brake and Signal Company Limited, assignee: *See*—
Sheppard, Edward A., and Glover.
Westinghouse Electric Corporation, assignee: *See*—
Aakjer, Jens J., and Knochel.
Abbott, Ward D.
Aikman, Burton S.
Alben, Frank L.
Allbert, Eugene F.
Allbert, Eugene F., and Fisher.
Allbert, Eugene F., and Kimball.
Allen, Harold P.
Alpert, Daniel.
Alsing, Carl F.
Anderson, Oscar W.
Anderson, William H., and Shingler.
Ankenman, Earl B.
Armstrong, George C.
Ashton, Willard A.
Atwell, Clarence A.
Atwell, Clarence A., and Wagner.
Austin, Bascum O.
Austin, Bascum O., Walley, and Exner.
Avery, Curt M.
Bacheler, Albert T., and Greer.
Bailey, Francis T., and Burgwin.
Baker, Benjamin P.
Baker, Benjamin P., Ludwig, and Cumming.
Baker, Benjamin P., and Schrameck.
Baker, Rest R.
Baker, Rest R., and Harris.
Baker, Robert M., and Wharff.
Balph, Dale T.
Barclay, William L., Jr.
Baston, Cyril E.
Baudry, René A., and Brenner.
Baudry, Rene A., and Winer.
Baxter, Harold G.
Bender, Henry J.
Bendz, Waldemar I.
Berberich, Leo J., and Friedman.
Berberich, Leo J., and Pendleton.
Blackburn, John L.
Blackburn, Wayne E.
Blankenbuehler, John H.
Bock, Ashley P.
Boyer, John L.
Boyer, John L., and Pakala.
Boykin, John R.
Boykin, John R., and Johnson.
Brace, Porter H., and Gray.
Brane, Maxwell D.
Breckenridge, Frank.
Bricker, Samuel R.
Brown, Myron J.
Westinghouse Electric Corporation, assignee: *See*—Continued.
Browne, Thomas E., Jr.
Bryant, Ozro N.
Burdett, John C.
Burgwin, Stephan L., Kovalsky, and Hull.
Burkhardt, Robert E., and Purifoy.
Campbell, John M.
Carleton, James T.
Carlin, Herbert J.
Carpenter, Walter E., and Wiener
Carville, Theodore E. M.
Casanova, Louis A.
Chapman, James F., and Riesz.
Cheek, Robert C.
Chiles, John H., Jr., and Hood.
Christ, Joseph G., and Ferguson.
Clark, Earl K.
Claybourn, Glen L.
Claybourn, Glen L., and Gernhardt.
Clokey, John W.
Cook, Willard G.
Cork, Spencer M., and Boyer.
Cotner, Walter W.
Cox, Joseph H., and Rose.
Cumming, James M.
Cumming, James M., and Boden.
Crabbs, Herbert J.
Cunningham, Richard C.
Currie, Gilbert.
Cuttino, William H.
Dailey, Hampton J.
Dakin, Thomas W., Works, and Boggs.
Daniels, Lewis H., and Lindstrom.
Daugert, Emilian M.
Davenport, Charles C.
Davis, Charles P., Jr., Guentner, Wagner, and Vaughn.
Dolan, Alpheus J.
Dyer, Lloyd W.
Earley, Robert W., and Wegman.
Eames, William F.
Eberhart, Arthur H.
Edwards, Andrew W.
Edwards, Hilbert E.
Ellis, Delbert.
Elmer, William B.
Elsey, Howard M.
Esselmen, Walter H.
Exner, Donald W.
Fahnoe, Harold H.
Fahrner, Ted.
Fennell, Frank C.
Ferguson, John P.
Ferguson, John S.
Ferguson, John S., and Dyche.
Findley, Joseph D., Jr., Ogg, and Florschutz.
Fisher, Martin H.
Fisher, Martin H., and Baker.
Freedman, Cecil L.
Friedman, Raymond.
Frink, Russell E.
Frisch, Erling.
Frisch, Erling, and Osbon.
Fry, Francis J.
Fulmer, Norman C.
Fulmer, Norman C., and Mason.
Geiselman, Ralph A., and Browning.
Gilman, Samuel.
Glick, Harvey L.
Godwin, Gurney L.
Goldborough, Shirley L.
Goldsborough, Shirley L.
Gorsuch, Harold F.
Grant, Eugene F.
Grisinger, George G., Sandin, and Lindstrom.
Guentner, Robert L., and Wright.
Hagen, Harold F.
Hagen, William F.
Halfvarson, Gustaf A.
Haneiko, John G.
Haneiko, John G., and Roman.
Hanna, Clinton R.
Hanna, Clinton R., and Lynn.
Hanna, Clinton R., Lynn, and Mikina.
Hanna, Raymond P.
Hanna, Raymond P., and Brahmer.
Hanna, Raymond P., and Ponstingl.
Harder, Edwin L.
Harder, Edwin L., and Kirschbaum.
Harding, William R., and Auburn.
Harding, William R., and Fisher.
Hartwig, Edward C.
Hartwig, Edward C., and Reed.
Hein, Carl C.
Hein, Carl C., and Stevenhagen.
Heinemann, Robert O.
Heinemann, Robert O., Langer, and Werner.
Hemming, Harold.
Herchenroeder, Louis W.
Herwald, Seymour W.
Herwald, Seymour W., and Watson.
Heuschkel, Julius, & La Hue.
Hipple, John A., Jr.
Hollstein, Oswald C.

Westinghouse Electric Corporation, assignee: *See*—Continued.
Hooper, Charles K.
Horn, Merl E., and Lindstrom.
Horstman, Clifford C., and Bramble.
Hundstad, Richard L.
Hunter, Lloyd P.
Hushley, Walter J., and Siebert.
Hutchinson, David W.
Hyde, Merritt A.
Ivy, Joe G.
James, Robert F.
Jenks, Barton L., Jr., and Pentheny.
Jennings, Lawrence D., and Naymik.
Jennings, Oliver S.
Jernstedt, George W.
Johnson, Henry V.
Johnson, John S.
Johnston, William A.
Jolly, Robert M.
Jones, Maurice F.
Jones, Ruel C.
Kaufman, Louis W.
Kenyon, Alonzo F.
Kerr, Charles, Jr., and Brecht.
Keyes, John J.
Kholos, Max.
Kifer, Charles D., and Hale.
King, George E.
King, George E., and Formhals.
King, George E., Moore, and Harding.
Kinn, Theodore P.
Kirsch, William A., and Wilhite.
Klar, Robert L., Jr.
Knochel, William J., and Wiener.
Knowles, Dewey D., and Haller.
Koch, Gustav H.
Kovalsky, Joseph F.
Krapf, Herman C., and Sirotak.
Krapf, Herman C., and Vollmer.
Kresser, Jean V.
Kroft, Herbert M., and Vore.
La Hue, Philip M.
Langer, Bernard F.
Laughner, Ernest M.
Leape, Charles B.
Lee, Paul R.
Lee, Reuben.
Lee, Reuben R.
Leidy, Harold B.
Leippe, Richard M.
Lempert, Joseph, and Gauthier.
Lenehan, Bernard E.
Lensner, Herbert W.
Leonard, Merrill G.
Lessmann, Gerhard P.
Ley, Gordon S.
Lincoln, Roland L.
Lindbeck, Simon L., and Osbon.
Lindstrom, Ture.
Lindstrom, Ture, and Tremblay.
Longini, Richard L.
Ludman, Charles P., and Hancock.
Ludwig, Leon R., and Baker.
Ludwig, Leon R., Baker, and Leeds.
Ludwig, Leon R., and Formhals.
Ludwig, Leon R., Stuellein, and Gamel.
Lum, John C.
Lunas, Lawrence J.
Lund, Alvin O., and Dana.
Lusk, Eldon H.
Lusk, Robert J.
Lyman, Wallace R.
Lynn, Clarence.
Lynn, Lawrence B., and Mikina.
Ma, Chuk Ching.
Ma, Chuk Ching, and Offinger.
Macdonald, Angus A.
Macdonald, Angus A., and Mathieu
Mack, Kent M., and Miller.
MacNeill, John B., and Hayford.
Mahnke, Kurt.
Mahnke, Kurt, and Ankenman.
Mahnke, Kurt, and York.
Makenny, William.
Marbury, Ralph E.
Marcum, Charles R.
Marsh, Francis E., and Marcum.
Marshall, Fitz-Hugh B.
Marshall, Fitz-Hugh B., and Coltman
Mason, Ruric C., and Coltman.
Matland, Carl G., and Katz.
McCann, Gilbert D.
McGeary, Robert K.
McLean, John A., Jr.
McNall, John W.
Mehring, Arthur C.
Mershon, Clarence L.
Middleton, Marshall, Jr.
Mierley, George M
Mikina, Stanley J.
Miner, John D., Jr.
Minter, Herbert F.
Minter, Herbert F., and Nagel.

Westinghouse Electric Corporation, assignee: *See*—Continued.
Moberly, Lawrence E.
Morisuye, Masanobu, and Niemela.
Morris, Ivan I.
Morris, Robert C.
Morse, Rupert O., and Nuttall.
Myers, Earl H.
Nadai, Arpad.
Nagel, Fritz J.
Nagel, Fritz J., and Horstman.
Nagel, Fritz J., and Nash.
Neal, Robert A., and Sadler.
Norris, George W.
Offinger, Martin W., and Gray.
Okress, Ernest C.
Okress, Ernest C., and Mouromtseff.
Oman, Carl.
Oplinger, Kirk A., Hanna, and Lynn.
Oplinger, Kirk A., and Sentipal.
Opsahl, Alert M.
Owen, Albert G.
Owens, James B.
Pakala, William E.
Pakala, William E., and Rose.
Parr, Bernard F.
Parsons, John R.
Parsons, John R., and Hartwig.
Parsons, John R., and Stadum.
Pastoret, John E.
Pendleton, Wesley W., and Philofsky.
Penney, Gaylord W.
Pennow, Willis A., and Burns.
Pentheny, George W.
Perl, Frederick W.
Peterson, Alfred J. A., and Cumming.
Peterson, Alfred J. A., and Gard.
Peterson, Clyde A.
Peterson, Rudolph E., and Boyd.
Petzinger, Ambrose J.
Petzinger, Ambrose J., and Lenehan.
Pierce, Lawrence.
Pierson, Paul R.
Pierson, Paul R., and Claybourn.
Poole, Lloyd C.
Price, George E.
Pringle, Mark A.
Puchlowski, Konstanty P.
Putz, Thomas J.
Quimper, Anthony A.
Ramage, John H.
Rathbun, John P.
Rawlins, Herbert L., and Fahnoe.
Reagan, Maurice E.
Redding, Arnold H.
Redding, Arnold H., and Hutchinson.
Reilly, Jack E.
Richardson, Earl L.
Righs, Herbert T.
Rigrod, William W., and Pawlishen.
Riley, Lynn G.
Riley, Lynn G., and Purifoy.
Rissler, Lennius R.
Rissler, Lennius R., and Spear.
Ritter, Irving S.
Roberts, William L.
Roman, Walter G.
Roman, Walter G., and Best.
Roos, William J.
Rumpf, Rupert L., Jr.
Saler, Jules N.
Samzelius, John W.
Sandin, Jerome, and Hauser.
Sandin, Jerome, and Rawlins.
Sattler, Frank A., and Womer.
Schaefer, Harold W.
Schaelchlin, Walter.
Schaelchlin, Walter, and Mahnke.
Schneeberger, Robert J.
Schulman, Earl L.
Schultz, Mortimer A., and Skinner.
Schwendner, Anthony F.
Schwendner, Anthony F., Gottlieb, and Meyer.
Scott, Howard, Gordon, and Hull.
Seidel, Martin P., Swiss, and Arntzen.
Shaw, George R.
Shoupp, William E.
Skinner, Claude M., Jr.
Slack, Charles M.
Sloan, David H.
Smith, Keith V.
Snyder, Frederick D.
Sonnemann, William K.
Specht, Theodore.
Stadum, Clarence B.
Steele, Howard L., Jr.
Stein, Joseph M., and Egglestone.
Sterrett, Charles C.
Strom, Albert P., and Berberich.
Strom, Albert P., and Browne.
Strom, Albert P., and Hill.
Strong, Robert M.
Stuellein, William H., Hawkins, and Gamel.
Stump, Clare A., Jr., and Jessee.

Westinghouse Electric Corporation, assignee: *See*—Continued.
Sun, Kuan-Han.
Suydam, William H., Jr.
Swain, Robert W.
Swiss, Jack.
Tanner, Elo C.
Tarlton, Russell A.
Taylor, Charles H.
Taylor, Owen L.
Thomander, Veron S.
Tobey, Raymond E.
Toth, Julius, and Freese.
Tremblay, Bernard G.
Truelove, Albert E.
Tubbs, Lester G.
Tubbs, Lester G., and Lessmann.
Tuil, Robert H.
Van Sickle, Roswell C.
Wagner, Charles F.
Wallace, James M.
Wallace, James M., and Edwards.
Wang, Chao C.
Watrous, Ward W., Jr.
Watson, Harold M., and Lambert.
Way, Stewart.
Webb, Herbert J.
Webb, Josephine R.
Wegman, Evert S.
Welis, William F.
Wells, William H., Stephens, Shoupp, and Haxby.
Wentworth, Herbert H., and Jeffrey.
West, Charles P., Rugg, and Pierson.
Weybrew, Thelbert L.
Whitefield, Kyle C.
Whitmore, James B., and Morand.
Whittaker, Charles C.
Whittaker, Charles C., and Eunson.
Wibell, Martin, and Immel.
Wickerham, William R.
Williams, Clifton S.
Winer, Bernard B.
Woll, Richard F., and Walton.
Woodward, George C.
Wouk, Victor, and Brubaker.
Wrathall, John R.
Wright, Robert L.
Wright, Willard L.
Young, Douglass A.
Young, Douglass A., Lenehan, and Bush.
Young, Douglass A., and Lunas.
Young, Harry D., and Morrison.
Zavales, Charles T.
Zetterquist, Eric A.

Westland Aircraft Limited, assignee: *See*—
Maitland, Angus C. M., and Bannister.

Westlund, Karl W.: *See*—
Tann, Fred A., and Westlund.

Westman, August A., Carnation, Wash. Self-locking wrench. 2,524,689, Oct. 3.

Westman, Sydney E., North Hollywood, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind. Hydraulic brake valve. 2,511,488, June 13.

Westman, Sydney E., Los Angeles, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind. Pressure reducing valve. 2,522,913, Sept. 19.

West Michigan Steel Foundry Company, assignee: *See*—
Seyferth, Carl G.

Westmoreland, Bascom B.: *See*—
Barnett, Benjamin G., and Westmoreland.

Westmoreland, Daniel, Sheffield, England. Apparatus for the production of ice cream. 2,524,616, Oct. 3.

Weston, Arthur W.: *See*—
Coghill, Robert D., Weston, and MacCorquodale.

Weston, Arthur W., and M. A. Spielman, Waukegan, assignors to Abbott Laboratories, Chicago, Ill. 2(3)benzofuranone derivatives and making them. 2,513,698, July 4.

Weston, Bonheur M., Detroit, Mich. Refractory mold composition. 2,517,815, Aug. 8.

Weston, Charles C., Cleveland, Ohio. Pattern composition. 2,525,984, Oct. 17.

Weston, Clarence J., Des Moines, Iowa. Material hauling and dispensing vehicle. 2,517,151, Aug. 1.

Weston, David C., Descanso, Calif. Pen. 2,497,249, Feb. 14.

Weston Electrical Instrument Corporation, assignee: *See*—
Gilbert, Roswell W.
Lamb, Anthony H.
Lamb, Anthony H., and Eadie, Jr.
Lamb, Francis X.
Lederer, Karl M.
Miller, John H.
Parsegian, Vozcan L., Fairchild, and Walker.
Pierce, Raymond T.
Williams, Alexander T., and Huber.
Wolferz, Alfred H.

Weston, Gerritt van I., Ridgefield, Conn., assignor to United States Rubber Company, New York, N. Y. Tire measuring device. 2,526,056, Oct. 17.

Weston Glass Company, assignee: *See*—
Wohlnc, Loule.

Weston, Herbert, New York, N. Y., vested in the Attorney General of the United States. Filing device. 2,523,347, Sept. 26.

Weston, Jeffrey D., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Altimeter. 2,495,795, Jan. 31.

Weston, Roger D.: *See*—
Ambler, Robert R., and Weston.

Westover, C Edward, Milwaukee, Wis. Roller cleat for bottom boards. 2,521,660, Sept. 5.

Westphal, Robert M., Milwaukee, Wis. Machine for pounding, loosening, and removing paint, scale, and the like. 2,525,250, Oct. 10.

Westplex Corporation, assignee: *See*—
West, John A., Jr.

West's Gas Improvement Company Limited, assignee: *See*—
West, Frederick J. and E.

West Virginia Pulp and Paper Company, assignee: *See*—
Adams, Daniel O., and Hughey.
Pollak, Arthur, and Johnston.
Wadleigh, George F.

Wetherbee, George D., assignee: *See*—
Hammond, Eugene H., and Wetherbee.

Wetherby, John K., Minneapolis, Minn. Pouch type golf ball cleaner having a washable inner lining. 2,530,746, Nov. 21.

Wetherill Engineering Company, assignee: *See*—
Kalina, Martin H.

Wetherill, Lynn, Pittsfield, Mass., assignor to General Electric Company. Electric cable and cable joint. 2,497,706, Feb. 14.

Wetherill, Lynn, Pittsfield, Mass., assignor to General Electric Company. Making high-frequency cable joints. 2,497,707, Feb. 14.

Wetherill, Lynn, Pittsfield, Mass., assignor to General Electric Company. Making high-frequency cable joints. 2,497,708, Feb. 14.

Wetmore, Earnest M., assignee: *See*—
Lively, Farrell G.

Wettlaufer, William L., Buffalo, N. Y. Vibratory therapeutic chair. 2,497,751, Feb. 14.

Wetzel, Frank L., and W. C. Wright, Los Angeles, Calif.; said Wright assignor to said Wetzel. Wheel bearing. 2,516,537, July 25.

Wetzel, Frank O.: *See*—
Linden, Carl E., and Wetzel.

Wetzel, Fred, Sr., Pleasantville, N. J. Basket. 2,528,404, Oct. 31.

Wetzel, Guy F., Park Ridge, Ill. Piston ring expander. 2,494,787, Jan. 17.

Wetzel, Guy F., Park Ridge, Ill. Demonstrating device for spark plugs. 2,494,788, Jan. 17.

Wetzel, Guy F., Park Ridge, Ill. Spark plug. 2,518,844, Aug. 15.

Wetzel, Theodore A.: *See*—
Armitage, Joseph B., Eserkaln, and Wetzel.

Wetzel, Theodore A., Milwaukee, assignor to Kearney & Trecker, West Allis, Wis. Tracer controlled machine tool. 2,511,956, June 20.

Wetzler, Alvin, New York, N. Y. Double collar for apparel. 2,516,607, July 25.

Wexberg, Harold M., Chicago, Ill., and D. R. Goodman, East Chicago, Ind. Rack for smoking pipes. 2,522,477, Sept. 12.

Wexler, John W., Silver Spring, Md. Window latch. 2,505,598, Apr. 25.

Weyand, Norman B., Lincoln, Nebr. Tension testing apparatus. 2,518,408, Aug. 8.

Weyandt, Carl S., Homer City, Pa. Paper jogger. 2,494,075, Jan. 10.

Weyandt, Carl S., Homer City, Pa. Gas hammer speed control. 2,522,550, Sept. 19.

Weyant, Valone V., assignor to The Yoder Co., Cleveland, Ohio. Synchronizing device. 2,530,796, Nov. 21.

Weybrew, Thelbert L., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Locomotive control system. 2,523,169, Sept. 19.

Weyenberg, Henry and C. Quist, assignors to Holland Furnace Company, Holland, Mich. Air control valve for oil burners. 2,512,047, June 20.

Weyenberg, Henry, and W. R. Kimberley, assignors to Holland Furnace Company, Holland, Mich. Oil burner pot supporting means for heaters. 2,515,919, July 18.

Weyenberg, Henry, and W. R. Kimberley, assignors to Holland Furnace Company, Holland, Mich. Air admission means and explosion relief safety door for combustion chambers. 2,517,816, Aug. 8.

Weyer, Henry J., Inglewood, Calif. Fertilizer spreading machine. 2,498,833, Feb. 28.

Weyerhaeuser Timber Company, assignee: *See*—
Hatch, Raymond S., and Hammond.

Weyers, Theodorus J., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Device for stereophonic transmission of signals by electric means. 2,515,619, July 18.

Weygant, Robert M., and J. S. Massey, Waukegan, Ill., assignors to American Can Company, New York, N. Y. Can closing machine. 2,517,616, Aug. 8.

Weymouth, George J., assignor to C. & W. Tool Company, Bridgeport, Conn. Removable garment supporting clip for clothes hangers. 2,525,985, Oct. 17.
Weymouth, Lawrence E., Grosse Pointe Farms, assignor to Briggs Manufacturing Company, Detroit, Mich. Laminated panel and making the same. 2,517,069, Aug. 1.
Weyrauch, Cyril J., Ray, N. Dak. Nut starting wrench. 2,496,762, Feb. 7.
Whalen, Joseph D. A., East Greenwich, R. I., assignor, by mesne assignments, to Bostitch, Inc. Producing sticks or refills containing fasteners. 2,522,656, Sept. 19.
Whalen, William D.: *See*—
Hartley, Albert L., Davis, and Whalen.
Whaley, Randall M.: *See*—
Lark-Horovitz, Karl, and Whaley.
Whaley, Randall M., West La Fayette, assignor to Purdue Research Foundation, La Fayette, Ind. Alloys of germanium and making same. 2,505,633, Apr. 25.
Whaley, Thomas H., Jr., Bartlesville, Okla., assignor to Phillips Petroleum Company. Method and apparatus for controlling vaporization. 2,500,916, Mar. 14.
Whaley, Thomas H., Jr., Bartlesville, Okla., assignor to Phillips Petroleum Company. Fractionation apparatus. 2,501,114, Mar. 21.
Whaley, Thomas H., Jr., Mount Vernon, assignor to The Texas Company, New York, N. Y. Pelleting carbon black. 2,511,088, June 13.
Whaley, William E., Louisville, Ky. Display card holder for automobiles. 2,496,763, Feb. 7.
Wharam, John J., *See*—
Jovanovich, Milton, and Wharam.
Wharam, John J., Dearborn, and J. J. Felts, Pontiac, assignors to Ford Motor Company, Dearborn, Mich. Control pedal for motor vehicles. 2,497,283, Feb. 14.
Wharam, John J., Dearborn, and J. J. Felts, Pontiac, assignors to Ford Motor Company, Dearborn, Mich. Independent suspension. 2,508,130, May 16.
Wharff, Edward M.: *See*—
Baker, Robert M., and Wharff.
Wharton, Edward M.: *See*—
Barnard, Harvie, and Wharton.
Whatley, William J., Corpus Christi, Tex. Support for coaxial fluid conduits. 2,504,478. Apr. 18.
Wheat, Joseph W., deceased, Seattle, Wash., S. C. Wheat, administratrix of said J. W. Wheat. Clutch mechanism for fishing reels. 2,510,447, June 6.
Wheat, Signa C., administratrix: *See*—
Wheat, Joseph W.
Wheatcroft, Robert W.: *See*—
Rust, Frederick F., Vaughan and Wheatcroft.
Wheatley, Edward W.: *See*—
Bates, Harold, Fisher, and Wheatley.
Fisher, James W., Bates, and Wheatley.
Fisher, James W., and Wheatley.
Fisher, James W., Wheatley, and Bates.
Fisher, James W., Wheatley, and Sheavyn.
Wheatley, Ernest, and J. J. Potter, Sheffield, England. Device for stapling strips of belting together. 2,513,903. July 4.
Wheatley, John B.: *See*—
Gaubatz, Arthur W., and Wheatley.
Wheaton Glass Company, assignee: *See*—
Rodman, Nelson J.
Wheaton, Jack M.: *See*—
Hohl, John, Barnby, and Wheaton.
Wheaton, Ray O., and W. H. Wilde, Avenal, assignors to B. H. and H. C. Barnes, San Marino, Calif. Device for wiping mud and the like from pipes. 2,514,817, July 11.
Wheelco Instruments Company, assignee: *See*—
Cohen, Theodore A.
Wheeldex Manufacturing Co. Inc., assignee: *See*—
Scholfield, Richard P.
Wheeler, Benjamin F., Haddonfield, N. J., assignor to Radio Corporation of America. Variable reactance circuit. 2,510,787, June 6.
Wheeler, Benjamin F., Haddonfield, N. J., assignor to Radio Corporation of America. Frequency control. 2,511,137, June 13.
Wheeler, C. H., Manufacturing Co., assignee: *See*—
Droescher, Le Roy A.
Wheeler, Carson M., Montclair, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Two-channel oscillator. 2,505,022, Apr. 25.
Wheeler, Dee G., assignor to The Celotex Corporation, Chicago, Ill. Apparatus for expanding slag. 2,498,904, Feb. 28.
Wheeler, Dona, administratrix: *See*—
Wheeler, Herbert P.
Wheeler, Foster, Corporation, assignee: *See*—
Frisch, Martin.
Wheeler, George :—See
Presser, Glenn E., and Wheeler.
Wheeler, George W., Baldwin, N. Y. Game board for playing a simulated game of football. 2,520,668, Aug. 29.
Wheeler, Gordon K., Norwalk, Conn., assignor to R. T. Vanderbilt Co., Inc., New York, N. Y. Coating compositions. 2,526,718, Oct. 24.
Wheeler, Harold A.: *See*—
Alexanderson, Howard A., and Wheeler.
Wheeler, Harold A., Great Neck, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill. Antenna system. 2,495,399, Jan. 24.
Wheeler, Harold A., Great Neck, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill. Oscillation generator. 2,501,834, Mar. 28.
Wheeler, Harold A., Great Neck, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Folded wave signal transmission line. 2,502,359. Mar. 28.
Wheeler, Harold A., Great Neck, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. High-frequency electromagnetic-wave translating arrangement. 2,508,479, May 23.
Wheeler, Harold A., Great Neck, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. High-frequency electromagnetic-wave translating element. 2,511,610, June 13.
Wheeler, Harold A., Great Neck, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill. Aperiodic directive antenna system. 2,511,611, June 13.
Wheeler, Harold A., Great Neck, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill. Wide-band directive antenna. 2,517,951, Aug. 8.
Wheeler, Harold A., Great Neck, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill. Directive loop antenna. 2,518,736, Aug. 15.
Wheeler, Harold A., Great Neck, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Antenna. 2,519,209, Aug. 15.
Wheeler, Harold A., Great Neck, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill. Multiple-tuned wave-selector system. 2,519,524, Aug. 22.
Wheeler, Harold A., Great Neck, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Elongated coil time delay network. 2,522,731, Sept. 19.
Wheeler, Harold A., Great Neck, N. Y., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Two-terminal impedance arrangement for transmission lines. 2,524,-183, Oct. 3.
Wheeler, Harold A., Great Neck, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Wave-signal translating system for selected band of wave-signal frequencies. 2,527,664, Oct. 31.
Wheeler, Harry K., Jr., assignor to Standard Oil Company, Chicago, Ill. Fluidized solids conversion system. 2,621,195, Sept. 6.
Wheeler, Herbert H., Briarcliff Manor, N. Y., and W. F. Markley, Ridgewood, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Line wire spacer. 2,526,917, Oct. 24.
Wheeler, Herbert P., deceased, Springfield, Mo.; D. Wheeler, administratrix of said H. P. Wheeler. Suction head. 2,527,110, Oct. 24.
Wheeler, Hugh R., Tacoma, Wash. Swing. 2,509,547, May 30.
Wheeler Insulated Wire Co. Incorporated, assignee: *See*—
Maloney, John H., and Baker.
Wheeler Insulated Wire Company, Incorporated, The, assignee: *See*—
Muldoon, William J.
Wheeler, John N.: *See*—
Bryce, James W., and Wheeler.
Roth, Robert I., Dickinson, and Wheeler.
Wheeler, Keith W.: *See*—
Shelton, Robert S., and Wheeler.
Wheeler, Leonard A., Los Angeles, Calif. Convertible container. 2,507,843, May 16.
Wheeler, Marcus A.: *See*—
Hall, Horace C., and Wheeler.
Wheeler, Norton L., Tulsa, Okla. Dental pulp capping preparation. 2,516,438, July 25.
Wheeler, Osgood Company, The, assignee: *See*—
Michael, Stephen L., and Anderson.
Wheeler Paper Corporation, assignee: *See*—
Jagger, Ivan D.
Wheeler, Percy: *See*—
Du Bois, Donald, and Wheeler.
Wheeler, Phillip R., Alexandria, Va. Gunsight superelevation control device. 2,504,168, Apr. 18.
Wheeler, Robert F., Chicago, Ill. Line-printing typewriter. 2,503,182, Apr. 4.
Wheeler, William R.: *See*—
Cislak, Francis E., and Wheeler.
Wheeley, Rudy C., Durham, N. C., assignor to The American Tobacco Company, New York, N. Y. Cigarette turning device. 2,509,752, May 30.
Wheeling Stamping Company, assignee: *See*—
Kelly, Howard A., Sr.
Wheeling Steel Corporation, assignee: *See*—
Bihlman, Victor W.
Hill, Erle G.
Wheelwright, Walter L., Buffalo, N. Y. Slicer having a stationary cutter. 2,508,320, May 16.
Whelan, James P., Wollaston, Mass., assignor, by mesne assignments, to H. L. Raus, Louisville, Ky. Apparatus for packaging shoelaces. 2,512,124, June 20.
Whelan, John M., Jr.: *See*—
Shechter, Leon, and Whelan.
Whelan, Martin J., Glendale, Calif. Convection heater. 2,506,257, May 2.
Whelton, John M., Peabody, and G. F. C. Burke, Fairhaven, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Coating apparatus for filter sections. 2,517,746, Aug. 8.

Whelton, Rita E.: *See*—
Mrak, Emil M., Phaff, Whelton, and Fisher.

Wherrett, William N., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Blending apparatus. 2,517,456, Aug. 1.

Whetstone, Richard: *See*—
Evans, Theodore W., and Whetstone.

Whetstone, Richard R., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Heterocyclic compounds and their preparation. 2,511,890, June 20.

Whetstone, Richard R., Albany, assignor to Shell Development Company, San Francisco, Calif. Heterocyclic compounds and their preparation. 2,511,891, June 20.

Whetstone, Richard R., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Production of glutaric acid. 2,513,766, July 4.

Whetstone, Richard R., Berkeley, assignor to Shell development Company, San Francisco, Calif. Stabilization of 3,4-dihydro-1,2-pyran-2-carboxaldehyde. 2,514,688, July 11.

Whetstone, Richard R., Oakland, S. A. Ballard, Berkeley, and C. J. Ott, assignors to Shell Development Company, San Francisco, Calif. Esters of dihydro- and tetrahydropyran carboxylic acids, and polymers of the same. 2,514,172, July 4.

Whetzell, Glenn H., Hobart, Ind., assignor to Armour and Company, Chicago, Ill. Pouch packaging apparatus. 2,521,196, Sept. 5.

Whetzell, Glenn H., Hobart, Ind., assignor to Armour and Company, Chicago, Ill. Pouch packaging device. 2,528,463, Oct. 31.

Whewell, Robert, Jr.: *See*—
Taylor, Ralph B., Sr., and Whewell.

Whichard, Flodquist, and Company, assignee: *See*—
Whichard, Thomas F., Sr., C. E. and O. B. Flodquist.

Whichard, Thomas F., Sr., and C. E. Flodquist, Detroit, and O. B. Flodquist, Pleasant Ridge, Mich., assignors to Whichard, Flodquist and Company. Traction device. 2,530,108, Nov. 14.

Whidden, William E., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Volume control for telephone ringers. 2,532,133, Nov. 28.

Whigam, Elgin B., United States Navy, San Francisco, Calif. Lathe tool. 2,533,254, Dec. 12.

Whinery, Margaret S., Anthony, Kans. Bandage. 2,531,757, Nov. 28.

Whipple, Jack V., New York, N. Y. Electric shaver with blade sharpener. 2,511,188, June 13.

Whipple, Jack V., New York, and G. P. Kammerer, Floral Park, N. Y. Picture projector. 2,518,209, Aug. 8.

Whipple, Paul J., Plymouth, Mass. Flume gate for cranberry bogs and the like. 2,530,747, Nov. 21.

Whisenhunt, David S., Florence, S. C. Pressure spray and washing device. 2,528,566, Nov. 7.

Whistler, Ralph H., Jr., assignor to Monroe Auto Equipment Company, Monroe, Mich. Shock absorber seal structure. 2,522,323, Sept. 12.

Whitacre, Charles H., South Euclid, assignor to The Standard Oil Company, Cleveland, Ohio. Control of corrosive conditions in condensers of a fixed bed catalytic cracking unit. 2,499,435, Mar. 7.

Whitacre, William J.: *See*—
Huheey George M., and Whitacre.

Whitaker, Arthur C.: *See*—
Stevens, Donald R., and Whitaker.

Whitaker, Arthur C., Oakmont, Pa., and W. W. Weinrich, Bartlesville, Okla., assignors to Gulf Research & Development Company, Pittsburgh, Pa. 4,6-di-tertiary-butyl-2-methylcyclohexanone. 2,505,816, May 2.

Whitaker, Arthur C., Oakmont, Pa., and W. W. Weinrich, Bartlesville, Okla., assignors to Gulf Research & Development Company, Pittsburgh, Pa. Hydrogenated polyalkylated phenols. 2,505,817, May 2.

Whitaker, Cecil E., assignor to William Jessop & Sons Limited, Sheffield, England. Indicator board. 2,519,724, Aug. 22.

Whitaker, George C., Brooklyn Heights, Ohio, assignor to the United States of America as represented by the United States Atomic Energy Commission. Electrolytic process for production of fluorine. 2,506,438, May 2.

Whitaker, Roger B., Miami Springs, Fla. Visual runway locator system. 2,497,383, Feb. 14.

Whitaker, Rolfe E., Los Angeles, Calif. Turret lathe. 2,515,681, July 18.

Whitaker, Samuel R., Denver, Colo. Tubular air heating furnace. 2,494,113, Jan. 10.

Whitaker, Uncas A., Harrisburg, Pa., assignor to American Machine & Foundry Company. Tobacco feed control mechanism. 2,519,089, Aug. 15.

Whitcomb, Forrest R., Worcester, Mass. Glazing and polishing machine. 2,505,223, Apr. 25.

Whitcomb, Forrest R., Worcester, Mass. Valve control mechanism for reciprocated devices. 2,505,224, Apr. 25.

White, Alan, Hatfield, England, assignor to Imperial Chemical Industries Limited. Method and apparatus for producing cast synthetic resin structures by photopolymerization of monomeric material. 2,524,862, Oct. 10.

White, Albert S., Rumson, N. J., and W. H. Rhodes, Baltimore, Md. Radio frequency rotating joint for multiple feeds. 2,523,348, Sept. 26.

White, Allan T., assignor to Fitzpatrick Industries, Inc., East Palestine, Ohio. Signaling mechanism for drinking vessels. 2,509,851, May 30.

White, Bertram W., Winnipeg, Manitoba, Canada. Quickly releasable mounting means for lamp shades. 2,516,035, July 18.

White, Blanche B.: *See*—
Seymour, George W., White, and Plunguian.

White Cabinet Corporation, assignee: *See*—
White, Charles C.

White Cap Company, assignee: *See*—
Davies, Lynn E.

White, Charles C., assignor to White Cabinet Corporation, New York, N. Y. Cabinet assembly. 2,521,765, Sept. 12.

White, Charles D.: *See*—
Hough, George H., White, and Rivers.

White, Charles E., assignor to Abington Textile Machinery Works, Abington, Mass. Carding machine. 2,506,005, May 2.

White, Charles E., Abington, Mass., and F. H. White, Charlotte, N. C., assignors to Abington Textile Machinery Works, Abington, Mass. Receiver for pneumatic card strippers and the like. 2,505,873, May 2.

White, Charles H., assignor to Deere & Company, Moline, Ill. Making planter runners. 2,505,872, May 2.

White, Charles H., assignor to Deere & Company, Moline, Ill. Seed measuring plate with streamline discharge guide. 2,506,658, May 9.

White, Charles H., assignor to Deere & Company, Moline, Ill. Planter. 2,525,435, Oct. 10.

White, Charles H., assignor to Deere & Company, Moline, Ill. Disk harrow. 2,527,607, Oct. 31.

White, Chester M., assignor to Genesee Research Corporation, Rochester, N. Y. Hydraulic pressure transmitting fluid. 2,499,551, Mar. 7.

White Cloud Farms, Inc., assignee: *See*—
Boice, Howard.

White, Curtice C., Johnsville, Pa., assignor to The Electric Storage Battery Company. Woven synthetic resin storage battery retainer with ribs. 2,504,608, Apr. 18.

White, David, Company, assignee: *See*—
Rochwite, Seton I.
Rothweiler, Charles O.

White, Deane R., South River, N. J., and E. Meschter, Towanda, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Reproducing pictures. 2,515,846, July 18.

White, Delmas J., Greenfield, Ind. Dual flushing system for toilets. 2,532,977, Dec. 5.

White, De Loy J., North Hollywood, Calif. Magnetic reproducer and recorder utilizing endless record and automatic selecting system. 2,519,725, Aug. 22.

White, Donald W., Jr., Flushing, N. Y., and R. M. Zabel, Melrose, Mass., assignors to Sylvania Electric Products, Inc. Wire tester. 2,496,029, Jan. 31.

White, Dorothy L., administratrix: *See*—
Dibrell, James W., and White.

White, Edgar G., Peru, assignor to Sampsel Time Control, Inc., Spring Valley, Ill. Constant temperature maintenance system. 2,532,382, Dec. 5.

White, Edgar G., Peru, assignor to Sampsel Time Control, Inc., Spring Valley, Ill. Warm air limit control switch. 2,532,383, Dec. 5.

White, Edmund B., Wollaston, Mass. Can opener. 2,511,422, June 13.

White, Edna V., Wheelersburg, Ohio. Bathtub handbag. 2,529,983, Nov. 14.

White, Edward E.: *See*—
Mayland, Bertrand J., Ruehlen and White.
Mayland, Bertrand J., and White.

White, Ellis E., Bremerton, Wash. Fish lure. 2,524,370, Oct. 3.

White, Eric L. C.: *See*—
Watton, Walter L., Bull, and White.

White, Eric L. C., Iver, assignor to Electric & Musical Industries Limited, Hayes, England. Modulator circuit. 2,500,480, Mar. 14.

White, Eric L. C., Iver, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Frequency stabilized relay for frequency-modulated oscillations. 2,501,368, Mar. 21.

White, Eric L. C., Iver, England, assignor to Electric and Musical Industries, Limited. Circuit arrangement for indicating the duration of electrical pulses. 2,506,124, May 2.

White, Eric L. C., Iver, England, assignor to Electric and Musical Industries, Limited. Multivibrator and integrating circuit combination. 2,527,342, Oct. 24.

White, Eric L. C., Iver, E. A. Nind, Ruislip, and L. R. J. Johnson, Harlington, England, assignors to Electric and Musical Industries, Limited. Electric supply circuits. 2,520,617, Aug. 29.

White, Eric L. C., Iver, and E. A. Newman, Ealing, London, assignors to Electric & Musical Industries Limited, Hayes, England. Synchronizing circuit. 2,535,247, Dec. 26.

White, Eric L. C., Iver, and F. R. Trott, Burnham, assignors to Electric & Musical Industries Limited, Hayes, England. Television transmitter switching apparatus. 2,535,471, Dec. 26.

White, Everett, Albany, Ohio. Plant receptacle. 2,519,166, Aug. 15.

White, Everett H., St. Paul, Minn. Control mechanism. 2,501,245, Mar. 21.

White, Everett H., St. Paul, Minn. Air conditioning system. 2,509,948, May 30.
White, Francis B., Elmhurst, N. Y., and M. Strawn, Paterson, N. J., assignors to Foster Wheeler Corporation, New York, N. Y. Method of and apparatus for distillation of stock containing fatty acid and the like. 2,521,766, Sept. 12.
White, Frank L.: *See*—
Brooker, Leslie G. S., and White.
White, Frank L., and L. G. S. Brooker, assignors to Eastman Kodak Company, Rochester, N. Y. 1-dicarbalkoxymethylene-2-alkyl-1,2-dihydroisoquinolines and producing them. 2,518,512, Aug. 15.
White, Frank L., and L. G. S. Brooker, assignors to Eastman Kodak Company, Rochester, N. Y. Methine dyes containing an isoquinoline nucleus. 2,518,737, Aug. 15.
White, Frank S., Westport, Conn., assignor to The Door Company, New York, N. Y. Reactor furnace. 2,503,788, Apr. 11.
White, Frank S., Westport, Conn., assignor to The Dorr Company, New York, N. Y. Reactor furnace. 2,528,098, Oct. 31.
White, Frank W., West Warwick, R. I. Pencil holder. 2,510,302, June 6.
White, Fred H.: *See*—
White, Charles E. and F. H.
White, Fred L., and E. I. Beicher, assignors to The Osgood Co., Marion, Ohio. Portable excavator. 2,498,321, Feb. 21.
White, Fred L., assignor to The Osgood Company, Marion, Ohio. Portable self-propelled excavator. 2,518,964, Aug. 15.
White, Frederick G., Orange, assignor to The L. S. Starrett Company, Athol, Mass. Clamp. 2,528,201, Oct. 31.
White, George F.: *See*—
Desso, David A., Sr., and White.
White, Gifford E., Hempstead, and D. Clegg, Great Neck, N. Y., assignors to The Sperry Corporation. Scanner. 2,518,511, Aug. 15.
White, Godfrey L., Osceola, Ark. Spraying attachment for weed control. 2,501,555, Mar. 21.
White, H. N., Company, The, assignee: *See*—
Meyers, Fred N.
White, Halbert C., and E. C. Britton, assignors to The Dow Chemical Company, Midland, Mich. Preparing organopolysiloxane resins. 2,521,678, Sept. 12.
White, Harold K.: *See*—
Moecker, Henry, Jr., Frick, Meacham, and White.
White, Harry A., Ottawa County, assignor to The White Manufacturing Company, Toledo, Ohio. Measuring pump with adjustable stroke indicator and stop. 2,521,433, Sept. 5.
White, Harry B., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,498,102, Feb. 21.
White, Harry B., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,520,589, Aug. 29.
White, Harry J., Lawrenceville, N. J., assignor to Research Corporation, New York, N. Y. Energizing electrical precipitator. 2,509,548, May 30.
White, Henry G., Huntsville, Ala. Apparatus for treatment of stiff joints. 2,520,590, Aug. 29.
White, Henry P., assignee: *See*—
Johnston, Douglas.
White, Herbert L., W. Rietz, and R. L. Wolff, assignors to Globe-Union Inc., Milwaukee, Wis. Electric capacitor. 2,503,084, Apr. 4.
White, Howard D.: *See*—
Kafer, Clare H., and White.
White, Howard D., and C. H. Kafer, Adrian, assignors to Revco, Inc., Deerfield, Mich. Refrigeration evaporator and making the same. 2,515,972, July 18.
White, Howard F., Owosso, Mich. Roller control mechanism for dough sheeting tables. 2,500,479, Mar. 14.
White, Howard T., Philadelphia, Pa. Compensating motor starting relay for single split phase motors. 2,520,791, Aug. 29.
White, Howard T., West Collingswood, N. J., H. Fritsch, Philadelphia, and L. R. Di Filippo, Newton Square, Pa. Clamping ring. 2,495,796, Jan. 31.
White, Jesse O.: *See*—
Hopkins, John H., and White.
White, Jesse O., Arlington, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Terminating polymerization reactions. 2,512,472, June 20.
White, John, and G. D. Manville, Los Angeles, Calif. Self-gaging bevel wing butt hinge. 2,494,789, Jan. 17.
White, John A., Jr.: *See*—
Gurries, Albert G., and White.
White, John B., West Springfield, Mass. Concrete block molding machine. 2,528,931, Nov. 7.
White, John C.: *See*—
Edwards, Aubrey G., Hooper, and White.
White, John C., Madison, Wis. Liquid heater control. 2,530,638, Nov. 21.
White, John C., Williamston, N. C. Wrist watch strap. 2,514,818, July 11.
White, John F., Medford, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Making siliceous products. 2,509,026, May 23.
White, John I., and R. B. Mossman, Indianapolis, Ind., assignors, by mesne assignments, to Cornell-Dubilier Electric Corporation, South Plainfield, N. J. Toy cannon. 2,527,284, Oct. 24.
White, John L., Dallas, Tex., assignor to R. C. Brown, Jr., Highland Park, Ill., as trustee. Bumper jack. 2,513,978, July 4.
White, John T., Palmyra, Mo. Baby's plate holder. 2,497,194, Feb. 14.
White, John W.: *See*—
Mallory, Edwin E., and White.
White, June S.: *See*—
Sears, Edward O.
White Laboratories, Inc., assignee: *See*—
Breivogel Philip J.
Sondern, Clarence W., and Breivogel.
White Laboratories, Incorporated, assignee: *See*—
Breivogel, Philip J.
White, Lawrence M., Los Angeles, Calif. Measuring valve. 2,506,125, May 2.
White, Le Gros, Dallas, Tex. Electrician's pliers for reaming conduits and applying terminal nuts. 2,526,180, Oct. 17.
White, Leo R., Long Beach, Calif. Clothesline reel. 2,499,123, Feb. 28.
White, Leon W., Pittsfield, Mass. Safety ash tray. 2,535,768, Dec. 26.
White, Loyd J., assignor to Southern Steel Co., San Antonio, Tex. Liquefied gas dispensing system. 2,493,708, Jan. 3.
White Manufacturing Company, The, assignee: *See*—
White, Harry A.
White Motor Company, The, assignee: *See*—
Brunken, Renke.
Brunken, Renke, Heck, and Howard.
Harris, Bert C.
White, Newton H., Montclair, assignor to Rubberset Company, Newark, N. J. Paintbrush wrapper. 2,506,821, May 9.
White, Norwood C., and H. M. Dickens, Whiteville, N. C. Liquid fuel stove for curing tobacco. 2,501,116, Mar. 21.
White, Paul V.: *See*—
Bennett, Charles E., and White.
White, Paul W., New Haven, Conn., assignor to Parva Products Company, Chicago, Ill. Letter scale. 2,507,078, May 9.
White, Percy, Thurcaston, Leicester, assignor to T. & T. Vicars Limited, Earlestown, Newton-le-Willows, England. Machine for coating of articles. 2,525,986, Oct. 17.
White, Percy, Leicester, and F. B. Keall, Swanage, England, assignors to United Shoe Machinery Corporation, Flemington, N. J. Heel breasting machine. 2,530,590, Nov. 21.
White, Peter: *See*—
Dibrell, James W., and White.
White, Philip C., Flossmoor, assignor to Standard Oil Company, Chicago, Ill. Separation of hydrocarbon synthesis products. 2,501,115, Mar. 21.
White, Ralph E., Alpine, Oreg. Guide for attachment to newspaper-containing receptacles. 2,519,525, Aug. 22.
White, Reginald A.: *See*—
Doyle, Irving W., and White.
White, Rex V., Los Angeles, Calif. Pressure controlled circuit maker and breaker. 2,525,743, Oct. 10.
White, Richard, Denison, Tex. Egg breaking and inspecting device. 2,523,546, Sept. 26.
White, Richard F., assignor to Mullins Manufacturing Corporation, Salem, Ohio. Electric cooking unit. 2,535,379, Dec. 26.
White, Richard H.: *See*—
Jones, Joshua B., and White.
White, Robert G., assignee: *See*—
Roll, Carlton W.
White, Robert G., Lynbrook, N. Y. Bun duster. 2,506,185, May 2.
White, Roby B., Jr., United States Navy. Null indicator. 2,512,702, June 27.
White, Roger B.: *See*—
Wiltshire, Arthur J., Lotz, and White.
White, S. S., Dental Manufacturing Company, The, assignee: *See*—
Angell, Robert C., and Browne.
White, Samuel H., Detroit, Mich. Gaseous fuel mixture. 2,494,219, Jan. 10.
White, Samuel H., Detroit, Mich. Gaseous mixture. 2,513,767, July 4.
White, Samuel H., Detroit, Mich. Gaseous fuel. 2,513,768, July 4.
White, Samuel H., Detroit, Mich. Gaseous fuel mixtures. 2,513,769, July 4.
White, Samuel H., Detroit, Mich. Gaseous fuel mixtures. 2,513,770, July 4.
White, Samuel K., San Francisco, Calif. Cover for frying pans. 2,524,554, Oct. 3.
White Sewing Machine Corporation, assignee: *See*—
Colegrove, Nathaniel E.
White, Sidney Y., Bayside, N. Y., assignor to V. S. Johnson, deceased, Chicago, Ill.; V. S. Johnson, Jr., administrator de bonis non of said V. S. Johnson. Inductance coil. 2,509,049, May 23.

White, Sidney Y., Bayside, N. Y., assignor to V. S. Johnson, deceased, Chicago, Ill.; V. S. Johnson, Jr., administrator de bonis non of said V. S. Johnson. Radio frequency tuned circuit and tube socket assembly. 2,530,639, Nov. 21.
White, Thomas A., Jackson Heights, assignor to National Starch Products Inc., New York, N. Y. Manufacture of animal glue jellies. 2,531,715, Nov. 28.
White, Walter I.: *See*—
De Hart, Melrose W., and White.
White, Walter R.: *See*—
Nadeau, Gale F., and White.
White, Warren W.: *See*—
Thias, Edwin P., and White.
White, Wilfrid G., U. S. Navy. Moored mine sweeping method and device. 2,524,863, Oct. 10.
White, William C., Schenectady, N. Y., assignor to General Electric Company. Electrical detector of vapors and the like. 2,504,772, Apr. 18.
White, William H., Roanoke, Va., assignor to Morris B. Brewster Co., Inc., Chicago, Ill. Sand trap. 2,529,751, Nov. 14.
White, William L., Marion, Ohio. Leg band for fowl. 2,499,552, Mar. 7.
White, William M.: *See*—
Leavitt, Roger P., and White.
White, William R., Nashville, Tenn. Combined funnel and inverted discharging bottle thereabove, with means to stop flow into funnel. 2,502,298, Mar. 28.
Whitecar, Alten E., Westville, N. J. Refreezable refrigerant unit. 2,504,911, Apr. 18.
Whited, Milo, Centralia, Wash. Air compressor mounting for tractors. 2,512,125, June 20.
Whitefield, Kyle C., Longmeadow, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Flow control nozzle. 2,498,516, Feb. 21.
Whiteford, Frederick C., Van Nuys, Calif. Revolving door. 2,523,980, Sept. 26.
Whitehead Brothers Company, assignee: *See*—
Wallace, Burgess P.
Whitehead Brothers Rubber Company, The, assignee: *See*—
Feiler, John C., and Stivason.
Whitehead, Earl B., assignor to Atlantic Carton Corporation, Norwich, Conn. Carton blank. 2,493,176, Jan. 3.
Whitehead, Ernest G., assignor to The Wolverhampton Die-Casting Company Limited, Wolverhampton, England. Polishing articles and a device for use therein. 2,494,733, Jan. 17.
Whitehead, Frederick W., and W. H. Bedford, assignors to The Bristol Aeroplane Company Limited, Bristol, England. Grinding, milling, or the like machine for producing parts of complex shape, more particularly the blades of axial compressors or turbines. 2,527,285, Oct. 24.
Whitehead, James R.: *See*—
Wood, Hubert, Williams, and Whitehead.
Whitehead, Joshua H., San Francisco, Calif. Cover for golf club heads. 2,526,985, Oct. 24.
Whitehead, Maurice: *See*—
Prince, John, and Whitehead.
Whitehead, R. R., & Brothers, Limited, assignee: *See*—
Porritt, Cyril P. D.
Whitehead Stamping Company, assignee: *See*—
Whitehead, Thomas C.
Zink, Fred W.
Whitehead, Thomas C., assignor to Whitehead Stamping Company, Detroit, Mich. Angularly adjustable bracket arm mounting. 2,533,860, Dec. 12.
Whitehead, Thomas C., assignor to Whitehead Stamping Company, Detroit, Mich. Angularly adjustable bracket arm mounting. 2,533,861, Dec. 12.
Whitehead, Walter L., Cottondale, Fla. Preparing peanuts. 2,510,534, June 6.
Whitehead, Willard J.: *See*—
Drake, George F., Whitehead, and Plummer.
Whitehead, Willard J., assignor to Woodward Governor Company, Rockford, Ill. Governor control mechanism. 2,527,867, Oct. 31.
Whitehead, William, Forest Hills, N. Y., assignor to Celanese Corporation of America. Covered and coated cord and fabric. 2,500,332, Mar. 14.
Whitehill, Lynwood N.: *See*—
Evans, Theodore W., Adelson, and Whitehill.
Whitehouse, Ben, Milwaukee, Wis., assignor to Rodwell Engineering and Sales Company, Omaha, Nebr. Sampling device. 2,519,303, Aug. 15.
Whitehurst, Earl M., Portsmouth, Va. Kite. 2,524,500, Oct. 3.
Whiteing, Edward L., assignee: *See*—
Petry, Ray C.
Whitelegg, Rudolph F., New York, N. Y., assignor to B. B. Chemical Co., Boston, Mass. Laminating flock coated vinyl resin sheet and resulting product. 2,494,848, Jan. 17.
Whiteley, Edward O.: *See*—
Bierlich, Knud G., and Whiteley.
Whiteley, Frank A., Minneapolis, Minn. Rotary pump. 2,498,972, Feb. 28.
Whiteley, Frank A., Minneapolis, Minn. Automobile cooling air conditioner. 2,498,973, Feb. 28.
Whiteley, Fred H., Kansas City, Kans. Bottle cap lifter. 2,516,439, July 25.
Whiteley, Howard C., assignee: *See*—
Whiteley, Robert L.
Whiteley, Kenneth E., assignee: *See*—
Whiteley, Robert L.
Whiteley, Robert L., Oak Park, assignor of one-third to K. E. Whiteley, and one-third to H. C. Whiteley, Chicago, Ill. Self-lubricating, self-aligning bearing. 2,500,592, Mar. 14.
Whiteman, Charles M., Biggsville, Ill. Animal chute or restraining device. 2,526,102, Oct. 17.
Whiteman, Ira, assignee: *See*—
Bostian, Homer C.
Whitenack, John R., New York, N. Y. Vertical shaper. 2,507,129, May 9.
Whitenack, Orpheus Z.: *See*—
Buscher, Harold K., and Whitenack.
Whitescarver, Furman, assignee: *See*—
Shelor, Olie W.
Whitfield, Fred A., Seattle, Wash.; A. L. Kaehler, administratrix of said F. A. Whitfield, deceased. Interlocking folders. 2,499,436, Mar. 7.
Whitfield, Winnie F., Picayune, Miss. Hose garter and corset supporter holder. 2,511,388, June 13.
Whitford, Alfred W., assignee: *See*—
Bassett, Robert B.
Whitford, Thomas G., Elmira, N. Y. Combination flashlight and traffic signal. 2,514,432, July 11.
Whithed, Mardis O., Absecon, N. J. Electrical connection for a heating cable and making the same. 2,523,405, Sept. 26.
Whitin, Herbert A., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Thread cutter for weft replenishing looms. 2,494,976, Jan. 17.
Whitin, Herbert A., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Side slipping weft detector for looms. 2,498,322, Feb. 21.
Whitin, Herbert A., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Electromechanical weft detector. 2,506,258, May 2.
Whitin Machine Works, assignee: *See*—
Schlums, Otto W.
Sorton, Fred C.
Theiler, Hans J.
Whiting, Cecil W., Providence, R. I. Grinding machine and like machine tools. 2,520,868, Aug. 29.
Whiting Corporation, assignee: *See*—
Fisher, Ernest F.
Fones, Frank H.
Kuehlthau, Hugo L.
Ortgies, Raymond C.
Reed, Wesley W.
Taylor, Clarence R.
Whiting, E. B., & A. C., Company, assignee: *See*—
Werkheiser, Charles F.
Whiting, Harold W., Buffalo, N. Y., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Operating mechanism for the intake valve of expander engines. 2,528,627, Nov. 7.
Whiting, Leo R., and P. F. Wangner, Jr., Bloomfield, N. J., assignors to the United States of America as represented by the Secretary of the Navy. Coating composition for metals. 2,525,107, Oct. 10.
Whiting, Max A., Schenectady, N. Y., assignor to General Electric Company. Dynamoelectric machine. 2,514,983, July 11.
Whitledge, Edgar R., Mantua, Ohio, assignor, by mesne assignments, to Reed Roller Bit Company, Houston, Tex. Throttle valve mechanism for fluid actuated rotary tools. 2,499,708, Mar. 7.
Whitley, Harvey L., Fremont, N. C. Tobacco harvester. 2,518,965, Aug. 15.
Whitley, Harvey L., Fremont, N. C. Apparatus for crushing stems of vegetation. 2,519,304, Aug. 15.
Whitley, James B.: *See*—
Millman, Nathan, and Whitley.
Whitley, Morse E., Jr., Maricopa County, Ariz. Automobile lubrication check chart. 2,526,057, Oct. 17.
Whitlock, Charles H., assignor of one-eighth to W. F. McGinnis, one-sixteenth to H. C. Cox, one-sixteenth to J. A. Webb, one-sixteenth to S. E. McCreight, El Dorado, one-sixteenth to H. Last, one-sixteenth to D. L. Last, Leon, one-sixteenth to C. C. Graham, and one-sixteenth to P. A. Fouts, El Dorado, Kans. Safety lock electrical receptacle and plug therefor. 2,527,382, Oct. 24.
Whitlock, Fred W., Rockford, Ill., and W. E. Summerbell, Washington, D. C. Electrical bore gauge. 2,495,797, Jan. 31.
Whitlock, Le Grand G., Bloomfield, N. J. Automatic pulverizing and mixing apparatus. 2,502,908, Apr. 4.
Whitlock, Robert A., Jr., and J. E. Dymond, assignors to Automatic Pump & Softener Corporation, Rockford, Ill. Degasifier. 2,522,005, Sept. 12.
Whitlow, Eugene P., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Refrigeration. 2,494,977, Jan. 17.
Whitlow, Eugene P., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Low-pressure absorption refrigerating system. 2,510,730, June 6.
Whitlow, Miles F., and W. C. Stapley, Chandler, Ariz. Fishing plug retriever. 2,516,036, July 18.
Whitman, George L., and P. F. Short, Weedsport, N. Y. Service line with rupturable connector. 2,499,709, Mar. 7.

Whitman, Gerald M.: *See*—
Howk, Benjamin W., and Whitman.
Kirk, William, Jr., Schreiber, and Whitman.
Prichard, William W., and Whitman.
Whitman, Gerald M., New Castle, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Alkali metals and their hydrides as catalysts in amine condensation. 2,501,556, Mar. 21.
Whitman, Gerald M., New Castle, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. 4 - [(para - aminophenyl)alkyl]cyclohexylamine. 2,511,028, June 13.
Whitman, Henry L., Los Angeles, Calif., assignor by decree of court to Katherine L. Whitman. Vitrifying refractory composition and product. 2,534,327, Dec. 19.
Whitman, Henry L., Los Angeles, Calif., assignor by decree of court to Katherine L. Whitman. Vitrifying refractory composition and product. 2,534,328, Dec. 19.
Whitman, Hyman L., East Bridgewater, Mass., assignor to The B. F. Goodrich Company, New York, N. Y. Article of footwear and supporting member. 2,497,250, Feb. 14.
Whitman, Katherine L., assignee: *See*—
Whitman, Henry L.
Whitman, Lawrence C., Pittsfield, Mass., assignor to General Electric Company. Combined coil spacer and terminal board for dry type transformers. 2,527,236, Oct. 24.
Whitman, Louis, London, England. Hanging curtains and other articles. 2,517,817, Aug. 8.
Whitman, Robert G., Valley Stream, N. Y., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Apparatus for treating soap. 2,501,487, Mar. 21.
Whitmarsh, Herbert F.: *See*—
Kenure, John F., and Whitmarsh.
Whitmer, Robert M.: *See*—
Golian, Serge E., and Whitmer.
Whitmire, Homer E., Clayton, and R. J. Knepper, Kirkwood, assignors to Whitmire Research Laboratories, Inc., St. Louis, Mo. Spraying apparatus for treating livestock. 2,532,251, Nov. 28.
Whitmire Research Laboratories, Inc., assignee: *See*—
Whitmire, Homer E., and Knepper.
Whitmore, Frank C., State College, Pa., and A. H. Homeyer, Webster Groves, assignors to Mallinckrodt Chemical Works, St. Louis, Mo. Making alkyldihydrothebainones. 2,510,731, June 6.
Whitmore, Harland W., Kenosha, Wis., assignor to Motor Products Corporation, Detroit, Mich. Refrigerator cabinet base structure. 2,509,403, May 30.
Whitmore, Harland W., Kenosha, Wis., assignor to Motor Products Corporation, Detroit, Mich. Thermostatic control means for bottle coolers. 2,509,404, May 30.
Whitmore, Harland W., Kenosha, assignor to Motor Products Corporation, Detroit, Mich. Bottle cooler. 2,529,439, Nov. 7.
Whitmore, James B., Bloomfield, and L. D. Morand, Clifton, N. J., assignors to Westinghouse Electric Corporation. Lamp base and ring therefor. 2,519,328, Aug. 15.
Whitmore, James B., Bloomfield, F. A. Newcombe, Nutley, and W. Makenny, Mountain View, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Production counter having count predetermining control means. 2,526,441, Oct. 17.
Whitmore, Robert A., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Dehairing of hides. 2,523,486, Sept. 26.
Whitner, Thomas C., Elizabeth, N. J., assignor to Chemical Laboratories, Inc. Treating cellulose fibers with alkali metal hydroxide and copper-alkylolamine complex. 2,512,558, June 20.
Whitney, Blake Company, The, assignee: *See*—
Cook, Wallace L.
Judisch, Carl H.
Whyland, Joseph B.
Whitney, Clark B., Sackets Harbor, N. Y., assignor to The New York Air Brake Company. Flange union fitting. 2,494,849, Jan. 17.
Whitney, Frank H., Providence, R. I. Shelving. 2,528,807, Nov. 7.
Whitney, Loren L.: *See*—
Baselt, Walter H., and Whitney.
Whitney, Loren L., Hammond, Ind., assignor to American Steel Foundries, Chicago, Ill. Brake beam. 2,496,685, Feb. 7.
Whitney, Loren L., Hammond, Ind., assignor to American Steel Foundries, Chicago, Ill. Fabricated brake beam. 2,500,233, Mar. 14.
Whitney, Loren L., Hammond, Ind., assignor to American Steel Foundries, Chicago, Ill. Brake beam and making. 2,517,747, Aug. 8.
Whitney, Loren L., Hammond, Ind., assignor to American Steel Foundries, Chicago, Ill. Brake beam with reversible fulcrum. 2,528,024, Oct. 31.
Whitney, Minna R., Upperville, Va. Hobbyhorse. 2,526,786, Oct. 24.
Whitney, Paul V., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Screw conveyer. 2,496,764, Feb. 7.
Whitney, Paul V., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Hanger and bearing assembly for spiral conveyers. 2,524,948, Oct. 10.
Whitney, Ralph T.: *See*—
Miller, Frank E., and Whitney.
Whitney, Ralph T., Irwin, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake cylinder pressure control valve device. 2,508,206, May 16.
Whitney, Robert B., assignor of one-half to W. B. Weed, Kansas City, Mo. Ventilated underwater internal-combustion engine. 2,528,628, Nov. 7.
Whitney, Walter D., San Francisco, Calif. Spring ejecting tool. 2,508,555, May 23.
Whitney, William B., Bartlesville, Okla., assignor to Phillips Petroleum Company. Use of olefin polymer oil for grease manufacture. 2,526,986, Oct. 24.
Whitney, William E., Belmont, Mass., assignor to Stator Corporation, Providence, R. I. Compressor. 2,513,979, July 4.
Whitsel, James L., Denver, Colo. Adjustable garment hanger. 2,494,272, Jan. 10.
Whittaker, Alvin, North Hollywood, Calif. Folding box and handle therefor. 2,524,152, Oct. 3.
Whittaker, Charles C., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Temperature indicating device. 2,508,205, May 16.
Whittaker, Charles C., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Gas-cleaning means, especially for locomotives. 2,512,401, June 20.
Whittaker, Charles C., Pittsburgh, and W. H. Eunson, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Locomotive control system. 2,512,402, June 20.
Whittaker, Donald: *See*—
Richards, Raymond B., Myles, and Whittaker.
Whittaker, Edward G., New Rochelle, N. Y., assignor to Anselm and Company, Inc., San Francisco, Calif. Textile drafting and spinning. 2,532,275, Nov. 28.
Whittaker, Edward H., Jersey City, N. J. Mold flask and sand reinforcing means. 2,513,904, July 4.
Whittaker, Harry, assignor to Georgia Kaolin Company, Elizabeth, N. J. Treatment and purification of clay. 2,500,727, Mar. 14.
Whittaker, Henry: *See*—
Wood, William S., Holmes and Whittaker.
Whittaker, James L., Princeton, N. J., assignor to Radio Corporation of America. Selectively illuminated push-buttons for radio receiver tuners. 2,532,212, Nov. 28.
Whittaker, Neil M., St. Petersburg, Fla. Umbilical clamp and cutter. 2,524,337, Oct. 3.
Whitted, John B., Evanston, assignor to Stewart-Warner Corporation, Chicago, Ill. Electric control mechanism. 2,496,187, Jan. 31.
Whittet, Kenneth J.: *See*—
Giraitis, Albert P., and Whittet.
Whittier, Sidney B.: *See*—
Fairbank, Murry N., and Whittier.
Whittingham, Barron S., New York, N. Y., assignor of thirty-three and one-third per cent to J. S. Colyer and thirty-three and one-third per cent to J. N. Wanshel. Stabilized chocolate sirup and beverage. 2,493,732, Jan. 3.
Whittle, Charles E., Brunswick, Ga. Method and apparatus for loading and transporting logs and other materials. 2,529,752, Nov. 14.
Whittle, Frank, Rugby, assignor to Power Jets (Research & Development) Limited, London, England. Exhaust system. 2,516,819, July 25.
Whittle, George V., Toms River, N. J. Guide patch. 2,498,729, Feb. 28.
Whitson, Clare H., assignee: *See*—
Whitson, John W.
Whitson, John W., assignor of one-half to C. H. Whitson, New York, N. Y. Card record apparatus. 2,495,490, Jan. 24.
Whitson, John W., assignor of one-half to C. H. Whitson, New York, N. Y. Card selecting apparatus. 2,495,491, Jan. 24.
Whitworth, Edward, West Kilbride, and T. Thomson, Kilmarnock, Scotland, assignors to Imperial Chemical Industries Limited. Power gas generating cartridge. 2,529,791, Nov. 14.
Whitworth, Fairchild, assignor to Sprague Meter Company, Bridgeport, Conn. Gas pressure regulator valve. 2,522,732, Sept. 19.
Whitworth, W. G. Armstrong, Sir, Aircraft Limited, assignee: *See*—
Lloyd, John.
Whyland, Joseph B., assignor to The Whitney Blake Company, Hamden, Conn. Heater cord. 2,532,135, Nov. 28.
Whyte, Donald E., assignor to S. C. Johnson & Son, Inc., Racine, Wis. Isolating sterols. 2,528,025, Oct. 31.
Whyte, G. Donald, assignee: *See*—
Jensen, James A.
Wiant, Hugh, Westfield, N. J. Air register for furnaces. 2,515,813, July 18.
Wibell, Martin, and R. B. Immel, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Contactor. 2,504,912, Apr. 18.
Wiberg, Eric A., assignor to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden. Selector. 2,499,553, Mar. 7.
Wible, Orpha V., assignee: *See*—
Muzzy, Guy.
Wichman, Heins, Jersey City, N. J. Bone splint. 2,501,978, Mar. 28.
Wichman, William R., assignor to Ex-Cell-O Corporation, Detroit, Mich. Drill chip breaker. 2,515,539, July 18.

Wichman, Wesley T.: *See*—
Lamberty, Frederick R., Martins, and Wichman.
Wick, Harry J., Indianapolis, and W. E. Fry, Cumberland, assignors of one-third to E. D. Campbell, Indianapolis, Ind. Pellet injector. 2,502,909, Apr. 4.
Wickerham, William R., Buffalo, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Pendant switch for crane control. 2,523,170, Sept. 19.
Wickerham, William R., Buffalo, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Alternating-current hoist control. 2,533,412, Dec. 12.
Wickes Bros., assignee: *See*—
Carlson, Artie C., and Crew.
Floeter, Frederick S.
Kendall, George A.
Schulz, Richard E.
Wicking, Reginald W. H.: *See*—
Anthony, Leonard R., Frenkel, Smith, and Wicking.
Wicklatz, John E., and T. J. Kennedy, Bartlesville, Okla., assignors to Phillips Petroleum Company. Tetralin oxidation and recovery of hydroperoxide from the oxidation product. 2,511,957, June 20.
Wicklatz, John E., Cincinnati, Ohio, assignor to Phillips Petroleum Company. Production of pentazdienes. 2,530,497, Nov. 21.
Wicklund, John, Minneapolis, Minn. Package filling device. 2,524,243, Oct. 3.
Wickman, A. C., Limited, assignee: *See*—
Dickinson, Ernest.
Wickman, Axel C., assignee: *See*—
Rawson, Leroy S.
Wickman, George D., Denver, Colo. Equalizer for ground conductors. 2,502,496, Apr. 4.
Wickman, Helmer W., and G. A. J. Racine, assignors to Heywood-Wakefield Company, Gardner, Mass. Baby carriage with collapsible dasher. 2,521,434, Sept. 5.
Wickman, Howard G., assignor to Children's Furniture Corporation, Gardner, Mass. Spring-frame supporting bracket. 2,530,640, Nov. 21.
Wicks, Clarence D., Big Spring, Tex. Stabilizer mechanism for vehicle drive shafts. 2,507,656, May 16.
Wicks, Clifford P., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Knob spindle securing means. 2,520,669, Aug. 29.
Wicks, John, Biloxi, Miss., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Repeater switching telephone system. 2,500,392, Mar. 14.
Wicks, John, Biloxi, Miss., and O. D. Grandstaff, Oak Park, assignors to Automatic Electric Laboratories, Inc., Chicago, Ill. Telephone system. 2,517,516, Aug. 1.
Wicks, John, Biloxi, Miss., and O. D. Grandstaff, Oak Park, assignors to Automatic Electric Laboratories, Inc., Chicago, Ill. Telephone system. 2,517,517, Aug. 1.
Wicks, John, Biloxi, Miss., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Restricted service automatic telephone system. 2,518,210, Aug. 8.
Wicks, John, Biloxi, Miss., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Restricted service telephone system. 2,519,867, Aug. 22.
Wicks, John, Biloxi, Miss., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Switch of the crossbar type. 2,535,769, Dec. 26.
Wicks, Lewis E., Cleveland, Ohio, assignor to Aluminum Company of America, Pittsburgh, Pa. Pneumatically operated furnace door seal. 2,507,360, May 9.
Wicks, Norman L., Sacramento, Calif. Automatic valve. 2,510,488, June 6.
Wicks, Zeno W., Jr., assignor to Interchemical Corporation, New York, N. Y. Composition of matter. 2,506,695, May 9.
Wickwire, Bertram N., Pelham Manor, N. Y. Portable lock for swinging doors. 2,532,586, Dec. 5.
Wico Electric Company, assignee: *See*—
Brownlee, Allen L., and L.
Louis, Terrence G.
McGrevy, George F.
Wiczer, Sol B., Washington, D. C. Thermite coating process. 2,496,971, Feb. 7.
Wiczer, Sol B., Washington, D. C. Combination volumetric burette. 2,510,159, June 6.
Wiczer, Sol B., Washington, D. C. Refrigerant mixture and refrigerating cars and other enclosed spaces therewith. 2,516,166, July 25.
Widdicomb, John, Company, assignee: *See*—
McPhee, John E., and Herts.
Widdicomb, John, Company, assignee: *See*—
Herts, Jack H. B., and McPhee.
Widell, Nils E., assignor to Aktiebolaget Elektrolux, Stockholm, Sweden. Making absorption refrigerators. 2,522,418, Sept. 12.
Widener, Lloyd R.: *See*—
Bailey, Harry T., and Widener.
Wideröe, Rolf, Oslo, Norway, assignor to Aktiengellschaft Brown, Boveri & Cie, Baden, Switzerland. Improved injection system for magnetic induction accelerators. 2,533,859, Dec. 12.
Wideröe, Rolf, Zurich, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Magnetic induction accelerator. 2,510,448, June 6.
Wideröe, Rolf, Zurich, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Device for accelerating electrically charged particles, such as electrons and ions. 2,520,447, Aug. 29.
Widigen, Albert F., Davenport, Iowa, assignor to American Machine and Metals, Inc., New York, N. Y. Housing for washers having a horizontal cylinder. 2,500,108, Mar. 7.
Widmann, Harold K., Wilkes-Barre, Pa. Coat hanger. 2,513,980, July 4.
Widmann, Rudolph R., Beverly Hills, assignor to Organic Chemicals, Inc., Pasadena, Calif. Composition to improve circulation of blood in vascular disorders. 2,498,777, Feb. 28.
Widmann, Rudolph R., Beverly Hills, assignor to Organic Chemicals, Inc., Pasadena, Calif. Composition to increase the absorption by the body of histamine. 2,498,778, Feb. 28.
Widmer, Harold A., Mount Clemens, Mich. Fish bait. 2,521,555, Sept. 5.
Widmer, Leo, Feldbach-Zurich, assignor to Schweizerische Lokomotiv und Maschinenfabrik, Winterthur, Switzerland. Radial fluid motor with swinging cylinders and pistons. 2,507,361, May 9.
Widmer, Leo, Feldbach-Zurich, assignor to Schweizerische Lokomotiv-und Maschinenfabrik, Winterthur, Switzerland. Axial cylinder pump especially intended for moving liquids. 2,534,153, Dec. 12.
Widmer, Willy, Bottmingen, and H. Zollinger, assignors to Ciba Limited, Basel, Switzerland. Monoazo dyestuffs. 2,505,268, Apr. 25.
Widmer, Willy, Bottmingen, and E. Mannhart, Riehn, assignors to Ciba Limited, Basel, Switzerland. Monoazodyestuffs. 2,512,845, June 27.
Widmer, Willy, Bottmingen, and A. Buehler, Rheinfelden, assignors to Ciba Limited, Basel, Switzerland. After-treatment with an aldehyde of wool dyed with chromed azo dyes. 2,516,496, July 25.
Widmer, Willy, Bottmingen, A. Heckendorn, Basel, and E. Mannhart, Riehen, assignors to Ciba Limited, Basel, Switzerland. Monoazo-dyestuffs. 2,534,646, Dec. 19.
Widmer, Willy, Bottmingen, A. Heckendorn, Basel, and E. Mannhart, Riehen, assignors to Ciba Limited, Basel, Switzerland. Single bath chrome dyeing process using azo dyes having naphtholsulfonamide groups. 2,534,647, Dec. 19.
Widrich, Anton, Long Branch, N. J., assignor of one-third to W. Brumbach, Brooklyn, and one-third to F. Herrmann, St. Albans, N. Y. Vertically adjustable bed construction. 2,527,111, Oct. 24.
Wiechert, George A., St. Albans, N. Y. Artificial denture. 2,528,629, Nov. 7.
Wiedeman, Oscar F.: *See*—
Lichtenwalter, Myrl, and Wiedeman.
Wiedenhoeft, Arthur E., Glen Ellyn, Ill. Lighting fixture for circular fluorescent and incandescent lamps. 2,507,074, May 9.
Wiederkehr, Hans, Zurich, and R. Feiss, assignors to Schweizerische Lokomotiv- und Maschinenfabrik, Winterthur, Switzerland. Air-cooled supercharged combustion engine. 2,529,984, Nov. 14.
Wiedman, Edward L., Tonawanda, N. Y. Trailer hitch. 2,525,505, Oct. 10.
Wiedman, Edward L., Tonawanda, N. Y. Trailer. 2,525,506, Oct. 10.
Wiedman, George P., North Tonawanda, N. Y. Wall receptacle. 2,532,134, Nov. 28.
Wiegan, Clyde E., Oakland, and E. G. Segre, Berkeley, Calif., assignors to the United States of America as represented by the United States Atomic Energy Commission. High-energy neutron counter. 2,493,935, Jan. 10.
Wiegand, Clyde E.: *See*—
Kennedy, Joseph W., Baker, and Wiegand.
Wiegand, David E., Zanesville, Ohio, assignor to McGraw Electric Company. Electromagnetic device and making the same. 2,498,747, Feb. 28.
Wiegand, David E., Villa Park, assignor to Armour Research Foundation of Illinois Institute of Technology, Chicago, Ill. Measuring transfers. 2,528,290, Oct. 31.
Wiegand, Edwin L., assignee: *See*—
Burgun, Jules J.
Wiegand, Edwin L., Company, assignee: *See*—
Gordon, George H., and Hilker.
Wiegand, Francis J., Ridgewood, and M. R. Rowe, West Englewood, N. J., assignors to Wright Aeronautical Corporation. Rate of flow differential pressure combining device. 2,507,075, May 9.
Wiegand, Francis J., and D. W. Meador, Ridgewood, N. J., assignors to Wright Aeronautical Corporation. Power control. 2,530,139, Nov. 14.
Wiegand, John J., Chicago, Ill. Cutting apparatus for making stepped cuts. 2,510,301, June 6.
Wiegand, William B., Old Greenwich, Conn., and H. A. Braendle, Garden City, assignors to Columbian Carbon Company, New York, N. Y. Apparatus for manufacture of carbon black. 2,499,437, Mar. 7.
Wiegand, William B., Old Greenwich, Conn., and H. A. Braendle, Garden City, assignors to Columbian Carbon Company, New York, N. Y. Manufacture of carbon black. 2,499,438, Mar. 7.
Wiegand, William B., Old Greenwich, Conn., and C. W. Sweitzer, Garden City, assignors to Columbian Carbon Company, New York, N. Y. Carbon black. 2,518,211, Aug. 8.

Wiegerinck, Hendrikus T. J.: *See*—
Kuperus, Jan, and Wiegerinck.
Wiegerinck, Hendrikus T. J., and J. H. van Wageningen, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., trustee. Tuning indicator system. 2,530,847, Nov. 21.
Wiegers, Irvin E., Overland, Mo. Antihunting control device. 2,527,504, Oct. 24.
Wiegert, Arthur E., Lenawee County, Mich. Clothespin. 2,530,277, Nov. 14.
Wiegner, Joseph W.: *See*—
Klasey, John H., Wiegner, and Barnes.
Wieking, William C., Woodhaven, assignor to R. Hoe & Co., Inc., New York, N. Y. Web supplying mechanism for printing machines. 2,502,688, Apr. 4.
Wieland, Louis A., Pittsburgh, Pa. Awl attachment for screw drivers. 2,512,449, June 20.
Wieland, Louis A., Pittsburgh, Pa. Jar lifter. 2,522,243, Sept. 12
Wiener, Abraham: *See*—
Farber, Morris, and Wiener.
Wiener, Charles: *See*—
Carpenter, Walter E., and Wiener.
Knochel, William J., and Wiener.
Wiener, Jake E., assignee: *See*—
King, Foster W.
Wiener, Morton, and M. H. Locker, New York, N. Y. Photographic tray. 2,503,308, Apr. 11.
Wienkamp, Philip: *See*—
Brown, Raymond W., and Wienkamp.
Wienke, Emil J., Glen Ellyn, assignor to Motiograph, Chicago, Ill. Lens mount means for motion-picture projectors. 2,506,948, May 9.
Wiepert, George D., Branford, assignor to The Merriam Manufacturing Company, Durham, Conn. Cashbox. 2,522,768, Sept. 19.
Wiepert, George D., Branford, assignor to The Merriam Manufacturing Company, Durham, Conn. Rotary package holder for attachment to shelves. 2,529,581, Nov. 14.
Wies, Calmy: *See*—
Caron, John B. R., Wies, and Glendenning.
Wies, Calmy, New York, N. Y., and J. B. R. Caron, North Plainfield, and E. B. Glendenning, Cranford, N. J., assignors to Shell Development Company, San Francisco, Calif. Fuel oil composition. 2,524,864, Oct. 10.
Wiese, Donald H., assignor to Superior Tube Company, Norristown, Pa. Apparatus for seam welding of tubing. 2,496,188, Jan. 31.
Wiesehahn, Gustav A., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Thioether substituted thiazoles and selenazoles and preparing the same. 2,500,142, Mar. 7.
Wieseltier, Zeev, Tel Aviv, Palestine. Coin freed device for dispensing liquids. 2,510,003, May 30.
Wieseman, Theodore R., R. I. Robinson, and F. J. Rathbun, asignors to The Louis Allis Company, Milwaukee, Wis. Sanitary motor construction. 2,500,971, Mar. 21.
Wiesert, Edgar J., Seattle, Wash. Power wheel. 2,520,587, Aug. 29.
Wiesner, Harold J., assignor to C. G. Conn, Ltd., Elkhart, Ind. Method and bath for electropolishing. 2,521,106, Sept. 5.
Wiesner, Henry A., Lemay, Mo. Centrifugal concrete molding machine. 2,501,427, Mar. 21.
Wiessler, Gaston A. A., Paris, France. Aircraft with mixed type propulsion and sustaining means. 2,507,657, May 16.
Wiessner, Robert, Vienna, Austria. Rubbing-wheel type lighter. 2,513,125, June 27.
Wiessner, Robert, Vienna V, Austria, assignor to A. Dubsky, Elmhurst, N. Y. Pyrophoric lighter. 2,514,173, July 4.
Wiessner, Robert, Vienna, Austria, assignor to A. Dubsky, Elmhurst, N. Y. Flint tensioning means for lighters. 2,529,857, Nov. 14.
Wietz, Louis K., Chicago, Ill. Magnetic support. 2,506,400, May 2.
Wigal, Voorhis F., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Apparatus for expanding thermoplastic tubing. 2,494,273, Jan. 10.
Wiggin, Joseph F.: *See*—
Downes, Lloyd C., and Wiggin.
Wiggin, Joseph F., Syracuse, N. Y., assignor to General Electric Company. Frequency-compensated television camera circuits. 2,535,711, Dec. 26.
Wiggins, Alpha M., Clay Township, St. Joseph County, Ind., assignor to Electro Voice, Inc., Buchanan, Mich. Second order differential microphone. 2,529,467, Nov. 7.
Wiggins, Earl, Fort Myers, Fla. Side steering propeller. 2,524,184, Oct. 3.
Wiggins, Glenn C., assignor to The Dow Chemical Company, Midland, Mich. Making lower polymers of alkenyl aromatic compounds. 2,521,494, Sept. 5.
Wiggins, John H., Chicago, Ill. Fluid storage apparatus. 2,494,601, Jan. 17.
Wiggins, John H., Chicago, Ill. Floating tank roof drain. 2,497,645, Feb. 14.
Wiggins, John H., Chicago, Ill. Pusher mechanism for floating tank roof seals. 2,522,245, Sept. 12.
Wiggins, Leslie F.: *See*—
Haworth, Walter N., and Wiggins.
Wiggins, Mabel A., Woodside, N. Y. Cosmetic receptacle with powder puff retainer. 2,527,169, Oct. 24.
Wigginton Company, The, assignee: *See*—
Simkins, Leon L.
Wight, Edward H.: *See*—
Legal, Casimer C., Tongue, and Wight.
Wight, Edward H., Baltimore, and T. O. Tongue, Curtis Bay, assignors to The Davison Chemical Corporation, Baltimore, Md. Superphosphate manufacture. 2,504,546, Apr. 18.
Wight, Sedgwick N.: *See*—
Field, Oscar S., Wight and Hewes.
Field, Oscar S., and Wight.
Wightman, Gordon E.: *See*—
Allen, Ivey, Jr., Marshall, and Wightman.
Wightman, Laurance W., Fort Wayne, Ind., assignor to General Electric Company. Brush mechanism for dynamoelectric machines. 2,516,608, July 25.
Wightman, Lawrance W.: *See*—
Willits, Glenn D., and Wightman.
Wiglesworth, Victor T., assignee: *See*—
Alderman, Blair T.
Anderson, Elmer G.
Wigton, Matt H.: *See*—
Boedecker, Woodrow S., and Wigton.
Wigton, Paul L., Denver, Colo. Froth flotation apparatus. 2,502,497, Apr. 4.
Wigton, Paul L., Denver, Colo. Drying apparatus. 2,535,109, Dec. 26.
Wihanto, Adolph K., Malden, Mass. Timing device for internal-combustion engines. 2,521,887, Sept. 12.
Wihtol Industries: *See*—
Ferris, William P., and Blum.
Wihtol, Karl, assignee: *See*—
Ferris, William P., and Blum.
Wiinikka, Raymond, Grand Rapids, Mich. Iron holder. 2,517,953, Aug. 8.
Wikarski, Walter A., Chicago, Ill. Fishhook extractor. 2,512,818, June 27.
Wikheim, Peder L., Seattle, Wash. Fountain pen. 2,498,384, Feb. 21.
Wikkenhauser, Gustav, Wells, England, assignor, by mesne assignments, to Skiatron Corporation, New York, N. Y. Film projection with continuously moving film. 2,493,793, Jan. 10.
Wikkenhauser, Gustav, Wells, England, assignor to Scophony Corporation of America, New York, N. Y. Television receiving device. 2,510,846, June 6.
Wikkenhauser, Gustav, and A. E. Adams, Wells, Somerset, England. Film projection with continuously moving film. 2,493,794, Jan. 10.
Wikkenhauser, Gustav, A. E. Adams, G. H. Cook, and R. E. Duggan, Wells, England. Film projection with continuously moving film. 2,493,795, Jan. 10.
Wikkerink, Arnold, Baldwin, Wis. Rolling jointer. 2,501,557, Mar. 21.
Wiklund, Carl H., assignor to Airequipt Manufacturing Co., Inc., Mount Vernon, N. Y. Photographic printing frame. 2,500,782, Mar. 14.
Wikstrom, Adolph B., assignor of one-half to M. Egilson, Los Angeles, Calif. Pen point cleaner. 2,497,709, Feb. 14.
Wilbe Research Corporation, assignee: *See*—
Forman, Benjamin G.
Wilber, Arthur L., Cleveland, Ohio. Portable power-driven saw. 2,519,526, Aug. 22.
Wilberschied, Charles F., Cleveland, assignor to V. J. Sedlon, Bay Village, Ohio. Flowerpot. 2,514,269, July 4.
Wilberschied, Charles F., Cleveland, assignor to V. J. Sedlon, Bay Village, Ohio. Mold operating device. 2,526,918, Oct. 24.
Wilbert Manufacturers Association, assignee: *See*—
Haase, Wilbert W.
Wilbert, Martin H., San Bruno, Calif. Saw retoothing machine. 2,503,980, Apr. 11.
Wilbert, Martin H., San Bruno, Calif. Automatic handsaw set. 2,503,981, Apr. 11.
Wilbik, Edward, Lakeville, Ind. Jumping toy. 2,498,974, Feb. 28.
Wilbrecht, Lester L.: *See*—
Gilbert, Russell C., and Wilbrecht.
Wilbur, Donald A., Troy, N. Y., assignor to General Electric Company. Magnetron. 2,521,556, Sept. 5.
Wilbur, Everett T., Miamisburg, Ohio. Trigger device. 2,514,433, July 11.
Wilbur, Paul C., San Jose, Calif., assignor to Food Machinery and Chemical Corporation. Method of and apparatus for steaming vegetables. 2,534,648, Dec. 19.
Wilbur, William T.: *See*—
Panik, Joseph J., and Wilbur.
Wilcher, Abrasha, Manchester, N. H., and M. J. Gordon, Brookline, Mass., assignors to M. J. Gordon, S. Z. Gordon, and N. G. Stone, doing business as Manchester Hosiery Mills, Manchester, N. H. Full-fashioned hosiery. 2,534,689, Dec. 19.
Wilchinsky, Zigmond W., Washington, D. C., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Emission indicator. 2,523,487, Sept. 26.
Wilckens, Eibe A., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Apparatus for handling sheets. 2,514,819, July 11.
Wilco Company, assignee: *See*—
Flaxman, Marcellus T.

Wilcolator Company, The, assignee: *See*—
Graves, Theodore E.

Wilcox, Alex B., Los Angeles, Calif. Power-driven cast cutter. 2,522,006, Sept. 12.

Wilcox, Arnold L., E. J. Roberts, and E. B. Fitch, Westport, assignors to The Dorr Company, Stamford, Conn. Method and apparatus for conducting ion exchange operations. 2,528,099, Oct. 31.

Wilcox-Gay Corporation, assignee: *See*—
Cain, Robert M.
McConnell, Winton E., and Bracy.

Wilcox, George R., Bernardston, assignor to Millers Falls Company, Greenfield, Mass. Dispensing container for band-saw coils. 2,501,201, Mar. 21.

Wilcox, Granville M., Lincoln, assignor to M. L. Grant, Providence, R. I. Coin collector apparatus. 2,532,978, Dec. 5.

Wilcox, Granville M., Lincoln, and W. S. Johnson, assignors to M. L. Grant, Providence, R. I. Coin collecting and registering apparatus. 2,533,654, Dec. 12.

Wilcox, Hayden G., Jr., Schenectady, N. Y., assignor to General Electric Company. Temperature compensation for hysteresis clutch drives. 2,527,237, Oct. 24.

Wilcox, Isaac L., assignor to Oswego Falls Corporation, Fulton, N. Y. Heat shield for hood cap heating devices. 2,522,657, Sept. 19.

Wilcox, John C., Erie, Pa. Flexible coupling. 2,535,338, Dec. 26.

Wilcox, Marion J., Harvey, Ill., assignor to Sinclair Refining Company, New York, N. Y. Fluidized stripping and regeneration of spent hydrocarbon conversion catalyst. 2,520,983, Sept. 5.

Wilcox Photo Sales, assignee: *See*—
Beck, Robert C.

Wilcox, Richard L., assignor to The Waterbury Farrel Foundry & Machine Company, Waterbury, Conn. Movable work stop for solid die headers. 2,499,341, Feb. 28.

Wilcox, Richard L., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Burr remover for slotting machines and the like. 2,531,240, Nov. 21.

Wilcox, Richard L., and H. L. Hoyt, assignors to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Mechanical movement. 2,532,213, Nov. 28.

Wilcox, Robert E., and H. H. Asperger, Sr., Indianapolis, Ind. Agricultural bench. 2,502,910, Apr. 4.

Wilcox, Stewart, Inglewood, Calif. Sun switch. 2,508,700, May 23.

Wild-Barfield Electric Furnaces Limited, assignee: *See*—
Haywood, Frederick W., and Laidler.

Wild, Edward, Hartford, Conn. Foldable rule. 2,515,622, July 18.

Wild, Norman R., East Natick, and H. W. Cockrill, Auburndale, assignors to Raytheon Manufacturing Company, Newton, Mass. High-frequency protective circuits. 2,498,720, Feb. 28.

Wild, Rudolf F., Philadelphia, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electrical measuring and controlling apparatus. 2,506,006, May 2.

Wild, Rudolf F., Philadelphia, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electric motor control apparatus. 2,506,531, May 2.

Wild, Rudolf F., Philadelphia, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Measuring and controlling apparatus, including damping and recording elements. 2,527,665, Oct. 31.

Wild, Rudolf F., Philadelphia, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Measuring and controlling apparatus. 2,530,109, Nov. 14.

Wild, Rudolf F., Philadelphia, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control apparatus. 2,530,928, Nov. 21.

Wild, Rudolf F., Philadelphia County, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Frequency responsive measuring and controlling apparatus. 2,532,872, Dec 5.

Wild, Rudolf F., Philadelphia, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Frequency responsive measuring and controlling apparatus. 2,535,248, Dec. 26.

Wild, Rudolf F., Wilmington, Del., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Safe failure measuring and controlling apparatus. 2,520,485, Aug. 29.

Wild, Rudolf F., and R. B. Darnielle, Philadelphia, Pa., assignors, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Chatter-free torque amplifier. 2,497,051, Feb. 7.

Wilde, Cecil B.: *See*—
Ross, Earl T., and Wilde.

Wilde, Cecil B., Compton, Calif., assignor to Stauffer Chemical Company. Producing a plastic composition for battery boxes. 2,514,019, July 4.

Wilde, Frederick G.: *See*—
Sullivan, Warren L., and Wilde.

Wilde, Frederick G., assignor to Paragon Revolute Corporation, Rochester, N. Y. Photographic printer and filter for use therewith. 2,535,770, Dec. 26.

Wilde, George F., Ewing Township, Mercer County, N. J. Tunnel kiln. 2,507,076, May 9.

Wilde, Henry D., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Catalytic reactions. 2,534,092, Dec. 12.

Wilde, John D., Los Angeles, Calif. Auto safety switch. 2,519,167, Aug. 15.

Wilde, Myron T., Detroit, Mich. Vacuum tube with built-in tuned inductance. 2,495,302, Jan. 24.

Wilde, William H.: *See*—
Wheaton, Ray O., and Wilde.

Wilde, William R., Montreal, Quebec, Canada. Cleaning, scouring, and charring barrels and the like. 2,507,685, May 16.

Wilder, Austin B., assignor to The Pure Oil Company, Chicago, Ill. Diesel fuel. 2,523,672, Sept. 26.

Wilder, Lot S., Rochester, N. Y., and K. C. Brannock, Oak Ridge, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Silver bleach for color materials. 2,507,183, May 9.

Wilder, Marshall P., Stamford, Conn., and A. J. Stevens, Holliston, Mass., assignors to Remington Rand Inc., New York, N. Y. Two-sided mosaic and manufacturing same. 2,495,042, Jan. 17.

Wilder, Marshall P., Stamford, Conn., assignor to Remington Rand, Inc., New York, N. Y. Insulated anode for cathode-ray tubes. 2,523,406, Sept. 26.

Wilder, Shepard J., Concord, N. H. Clothespin. 2,513,981, July 4.

Wildern, William J.: *See*—
Imhoff, Robert E., and Wildern.

Wildhaber, Ernest, Brighton, N. Y. Valveless type rotary power unit. 2,503,894, Apr. 11.

Wildhaber, Ernest, Brighton, assignor to Gleason Works, Rochester, N. Y. Producing gears. 2,505,269, Apr. 25.

Wildhaber, Ernest, Brighton, assignor to Gleason Works, Rochester, N. Y. Hypoid gears. 2,506,756, May 9.

Wildhaber, Ernest, Brighton, assignor to Gleason Works, Rochester, N. Y. Producing gears. 2,508,556, May 23.

Wildhaber, Ernest, Brighton, N. Y. Propeller blade retention. 2,518,431, Aug. 8.

Wildi, Charles: *See*—
Aston, Cecil P. T., and Wildi.

Wildman, Richard C.: *See*—
Bradley, Robert W., and Wildman.

Wilen, Charles H., Brooklyn, N. Y. Underwater goggles. 2,526,181, Oct. 17.

Wiles, George M., assignee: *See*—
Szuecs, Joseph.

Wiles, Quentin T., Lafayette, assignor to Shell Development Company, San Francisco, Calif. Adhesive composition containing glycidyl ethers and alumina. 2,528,933, Nov. 7.

Wiles, Quentin T., Lafayette, assignor to Shell Development Company, San Francisco, Calif. Adhesive composition containing a fluidized glycidyl ether and an amphoteric oxide. 2,528,934, Nov. 7.

Wiles, Quentin T., Lafayette, and H. A. Newey, Richmond, assignors to Shell Development Company, San Francisco, Calif. Compositions containing glycidyl ethers. 2,528,932, Nov. 7.

Wiley, Calvert H., Tulare, Calif. Collapsible portable house. 2,494,680, Jan. 17.

Wiley, Fred E., Leominster, Mass., assignor to Plax Corporation, Hartford, Conn. Producing heavy gauge articles from thin thermoplastic sheet material. 2,502,240, Mar. 28.

Wiley, Paul F., Indianapolis, Ind., and G. A. Nesty, Morristown, N. J., assignors to Allied Chemical & Dye Corporation, New York, N. Y. Producing esters of acrylic acid. 2,526,310, Oct. 17.

Wiley, Ralph H., Oxford, Md. Ship deck structure. 2,503,603, Apr. 11.

Wiley, Richard H., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Laminated cellulosic fabrics. 2,526,787, Oct. 24.

Wiley, Robert D., Birmingham, Mich. Filtering device. 2,521,107, Sept. 5.

Wiley, Ronald B.: *See*—
Tooley, Fay V., Russell, and Wiley.

Wiley, Ronald B., and R. G. Russell, Newark, assignors to Owens-Corning Fiberglas Corporation, Toledo, Ohio. Method of and apparatus for mixing molten glass. 2,515,481, July 18.

Wiley, Verlis H., Kenmore, assignor to Colonial Radio Corporation, Buffalo, N. Y. Automatic tuning apparatus. 2,497,524, Feb. 14.

Wiley, William R., Pheonix, Ariz. Resilient sheet metal fastening clip. 2,521,271, Sept. 5.

Wilhelm, Adam J., Regina, Saskatchewan, Canada. Floor drain valve. 2,524,501, Oct. 3.

Wilhelm, Bernhard, Waterbury, Conn. Vent controlled liquid measuring means. 2,507,362, May 9.

Wilhelm, Edward A., assignor to Waterous Company, St. Paul, Minn. Pressure relief valve. 2,500,888, Mar. 14.

Wilhelm, George M., New York, N. Y. Fluid fuel burner having preheating and superheating mechanism for air and steam employed in the burner. 2,528,984, Nov. 7.

Wilhelm, Harley A., Ames, Iowa, and P. S. Gerald, Omaha, Nebr., assignors to the United States of America as represented by the United States Atomic Energy Commission. Carbonaceous articles and production thereof. 2,521,495, Sept. 5.
Wilhelm, Henry T., Long Island City, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Bridge network. 2,494,499, Jan. 10.
Wilhelm, Lester L.: *See*—
Hennings, Fred W., and Wilhelm.
Wilhelm, Paul L., Michigan Township, and F. D. Burns, Michigan City, Ind. Electric psychometer. 2,535,249, Dec. 26.
Wilhide, Glenn C., Towson, Md., assignor to The Black and Decker Manufacturing Company. Suspension device. 2,496,612, Feb. 7.
Wilhide, Glenn C., Towson, Md., assignor to The Black and Decker Manufacturing Company. Cup brush. 2,534,891, Dec. 19.
Wilhide, Glenn C., Towson, Md., assignor to The Black and Decker Manufacturing Company. Wire wheel brush. 2,534,892, Dec. 19.
Wilhide, Glenn C., J. N. Baker, and F. L. Holford, assignors to The Black & Decker Manufacturing Company, Towson, Md. Impact nut runner. 2,533,703, Dec. 12.
Wilhite, James G.: *See*—
Kirsch, William A., and Wilhite.
Wilhoite, Charles B., and F. R. Shields, Detroit, Mich. Sewing cabinet. 2,504,479, Apr. 18.
Wilken, Hugo: *See*—
Bruestle, Carl O., and Wilken.
Wilkenfeld, Flora: *See*—
Wilkenfeld, Lewis and F.
Wilkenfeld, Lewis and F., Brooklyn, N. Y. Bust form. 2,507,745, May 16.
Wilkening Manufacturing Company, assignee: *See*—
Pien, Hsia-Si.
Wilkens, Howard J.: *See*—
Goldsmith, Hugo, and Wilkens.
Wilkerson, Edward D., Orange, N. J. Calking material dispenser. 2,522,324, Sept. 12.
Wilkerson, Jefferson R., Bayside, N. Y., assignor to The Sperry Corporation. Radar direction and range indicating apparatus. 2,512,703, June 27.
Wilkerson, Jefferson R., Bayside, N. Y., assignor to The Sperry Corporation. Amplifier automatic gain control circuit. 2,520,989, Sept. 5.
Wilkerson, Jefferson R., Bayside, N. Y., assignor to The Sperry Corporation. Synchronizer circuit. 2,534,329, Dec. 19.
Wilkerson, Victor O., Vestal, and J. A. Mazzola, Endicott, assignors to International Business Machines Corporation, New York, N. Y. Hydraulic artificial arm. 2,528,464, Oct. 31.
Wilkes, Reuben: *See*—
Galloway, Victor A., and Wilkes.
Wilkie, David A., New York, N. Y. Method and device for photographic scanning. 2,519,988, Aug. 22.
Wilkie, Harry, Dayton, Ohio. Radio jamming device. 2,498,731, Feb. 28.
Wilkie, Harry, Dayton, Ohio. Navigational data integrator. 2,533,256, Dec. 12.
Wilkie, Robert C., Andover, assignor to Pacific Mills, Lawrence, Mass. Converting fibrous material to be processed in the woolen system. 2,499,175, Feb. 28.
Wilkin, Cecil R.: *See*—
Walker, Roland, Wilkin, Cooper, and Brown.
Wilkins, James M., Hollywood, Calif. Pressure regulator valve. 2,519,805, Aug. 22.
Wilkins, Mitchell, De Funiak Springs, assignor to E. H. Finlayson, Pensacola, Fla. Grass seed stripper. 2,499,047, Feb. 28.
Wilkins & Mitchell, Limited, assignee: *See*—
Wilkins, Walter S.
Wilkins, Walter S., Wednesbury, assignor to Wilkins & Mitchell, Limited, Darlaston, England. Press guard. 2,514,271, July 4.
Wilkinson, Charles E., Montreal, Quebec, Canada. Composition-selecting frame. 2,494,077; Jan. 10.
Wilkinson, Clarence M., Louisville, Ky. Camera sunshade. 2,519,989, Aug. 22.
Wilkinson, Claude K., and R. C. Morehouse, U. S. Navy. Simulated air-speed indicating means for aviation ground trainers. 2,510,161, June 6.
Wilkinson, Claude K., and R. C. Morehouse, U. S. Navy. Power voltmeter. 2,525,845, Oct. 17.
Wilkinson, Edward F., New Orleans, La. Salt dispenser. 2,513,539, July 4.
Wilkinson, George H., Harlington, assignor to Electric & Musical Industries Limited, Hayes, England. Electric dry battery. 2,519,527, Aug. 22.
Wilkinson, Gordon O., Ardmore, Pa. Bird feeder. 2,524,502, Oct. 3.
Wilkinson, Harry R., Jr., New York, N. Y. Vertically adjustable table. 2,527,505, Oct. 24.
Wilkinson, James W., assignor to Hastings Manufacturing Company, Hastings, Mich. Oil filter. 2,511,800, June 13.
Wilkinson, Joseph M., Jr., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. 1-acyloxy-2-butyne-4-ols. 2,520,750, Aug. 29.
Wilkinson, Joseph M., Jr., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Producing 1-acyloxy-3-butene-2-ones. 2,524,025, Sept. 26.
Wilkinson, Marshall F.: *See*—
Stalloch, John R., and Wilkinson.
Wilkinson, Robert W., Tisdale, Saskatchewan, Canada. Artificial arm. 2,494,734, Jan. 17.
Wilkinson, Walter G., Woodlawn, assignor to The Glenn L. Martin Company, Middle River, Md. Making axonometric drawings. 2,510,202, June 6.
Wilkinson, William K.: *See*—
Sauer, John C., and Wilkinson.
Wilks, Howard J.: *See*—
Smith, William P., and Wilks.
Wilks, Maurice C., assignor to The Rover Company Limited, Solihull, England. Liquid fuel injection means for internal-combustion engines. 2,503,534, Apr. 11.
Wilksway Loader, Inc., assignee: *See*—
Galloway, Victor A., and Wilkes.
Will, Theodore A., Hollis, N. Y. Opening means for cigarette wrappers. 2,533,255, Dec. 12.
Will, Victor R., Sacramento, Calif. Sleeping attachment for automobiles. 2,500,650, Mar. 14.
Will, Victor R., Sacramento, Calif. Bed mounted for transport on an automobile. 2,521,815, Sept. 12.
Willach, Bernhard, assignor to Jas. P. Marsh Corporation, Chicago, Ill. Pressure indicating and relieving device. 2,522,007, Sept. 12.
Willard, George W., Springfield, Mo. Intermittently engaged clutch variable power transmission. 2,534,093, Dec. 12.
Willard, Joseph E., Christiansburg, Va. Honey box for beehives. 2,525,251, Oct. 10.
Willard Storage Battery Company, assignee: *See*—
Donkin, William F., and Oestermeyer.
Endress, Clarence H.
Raney, Robert M., and Jones.
Wells, Leland E.
Young, Charles A.
Willbrandt, Franklin M., assignor to Battle Creek Bread Wrapping Machine Company, Battle Creek, Mich. Carton sealing machine. 2,515,620, July 18.
Willbrandt, Franklin M., assignor to Battle Creek Bread Wrapping Machine Company, Battle Creek, Mich. Stripping mechanism for carton forming machines. 2,515,621, July 18.
Willcocks, Harry R.: *See*—
Lacey, Bernard W. D., and Willcocks.
Willcox, Frederick P., Bethesda, Md., assignor to General Aniline & Film Corporation, New York, N. Y. Built-in flash synchronizer for setting type photographic shutters. 2,514,919, July 11.
Willcox, Frederick P., Vestal, assignor to General Aniline & Film Corporation, New York, N. Y. Photographic shutter. 2,522,698, Sept. 19.
Willcox, Frederick P., Washington, D. C., assignor to General Aniline & Film Corporation, New York, N. Y. Actuating means for photographic shutters. 2,522,699, Sept. 19.
Willcox, Frederick P., Washington, D. C., assignor to General Aniline & Film Corporation, New York, N. Y. Shutter cam driving means and control therefor. 2,527,780, Oct. 31.
Willcox, Frederick P., Bethesda, Md., assignor to General Aniline & Film Corporation, New York, N. Y. Press focusing device for photographic shutters and diaphragms. 2,527,781, Oct. 31.
Willcox & Gibbs Sewing Machine Company, assignee: *See*—
Hirsch, George B.
Tamburro, Francis P.
Willenborg, Walter J., Weehawken, N. J., assignor to Jabez Burns & Sons, Inc., New York, N. Y. Temperature controlling apparatus. 2,524,244, Oct. 3.
Willenborg, Walter J., Weehawken, N. J., assignor to Jabez Burns & Sons, Inc., New York, N. Y. Protective apparatus for combustion systems. 2,532,214, Nov. 28.
Willenborg, Walter J., Weehawken, N. J., assignor to Jabez Burns & Sons, Inc., New York, N. Y. Flammable vapor protection. 2,533,339, Dec. 12.
Willers, Carl, Chicago, Ill. Enclosure guard. 2,503,144, Apr. 4.
Willett, Anthony, Cleveland, Ohio. Safety device for furnaces. 2,493,608, Jan. 3.
Willett, David, assignee: *See*—
Boltson, Charles.
Willett, Ernest, Gary, Ind. Pull pointing machine. 2,510,788, June 6.
Willett, Leon E., and R. G. Baker, assignors to Chamberlin Company of America, Detroit, Mich. Fastener for closures. 2,507,391, May 9.
Willette, John: *See*—
Natzke, Alfred G., Willetts, and Frykberg.
Willette, Louis J., Fairfield, Maine. Frying pan cover. 2,510,196, June 6.
Willetts, Elwood H., Douglaston, N. Y. Clamping means. 2,503,368, Apr. 11.
Willetts, Elwood H., Douglaston, N. Y. Vehicle aligning mechanism. 2,525,388, Oct. 10.
Willey, Grant S., and K. S. Ruthman, assignors to United States Gypsum Company, Chicago, Ill. Laminated product and making same. 2,495,043, Jan. 17.
Willey, Harry, Bedford, assignor to The Bready Tractor and Implement Company, Solon, Ohio. Tractor. 2,523,171, Sept. 19.

Willey, Marney B., and R. W. Wilson, New Orleans, La., assignors to J. Ray McDermott & Co., Inc., Houston, Tex. Marine drilling method and means. 2,515,540, July 18.

Willhauck, Augustus D.: *See*—
Stacey, Ernest W., and Willhauck.

Willhoit, Jack G., assignor to Willhoit Tool Co. Inc., La Fayette, La. Double bow reverse spiral centralizer. 2,515,149, July 11.

Willhoit Tool Co., Inc., assignee: *See*—
Willhoit, Jack G.

Wm. Bros. Boiler & Manufacturing Co., assignee: *See*—
Williamson, Archie O.

William, C. K., & Co., assignee: *See*—
Stinson, Thane K.

Williamette, Raymond J., Minneapolis, Minn. Window holder and adjuster. 2,510,303, June 6.

Williams, Albert J., Jr.: *See*—
Cherry, Robert H., and Williams.

Williams, Albert J., Jr., assignor to Leeds and Northrup Company, Philadelphia, Pa. Measuring system. 2,503,085, Apr. 4.

Williams, Albert J., Jr., assignor to Leeds and Northrup Company, Philadelphia, Pa. Electrical ratio-measuring system. 2,522,976, Sept. 19.

Williams, Alexander T., Westfield, and P. Huber, Hillside, assignors to Weston Electrical Instrument Corporation, Newark, N. J. Exposure meter. 2,528,716, Nov. 7.

Williams, Alfred L. W., Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Electromechanical transducer. 2,497,108, Feb. 14.

Williams, Alfred L. W., Cleveland Heights, Ohio. Comfort unit. 2,512,559, June 20.

Williams, Alfred L. W., Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Electrotransducer element. 2,521,661, Sept. 5.

Williams, Allison R., Washington, D. C. Deceleration brake control. 2,529,985, Nov. 14.

Williams, Amos, Paterson, N. J. Garter. 2,523,852, Sept. 26.

Williams, August L., Chicago, Ill. Animal shipping crate. 2,534,492, Dec. 19.

Williams, Benjamin F., Lynwood, Calif. Sewing machine mounting. 2,528,935, Nov. 7.

Williams, Benjamin M., assignor to Gaylord Container Corporation, St. Louis, Mo. Telescopic shipping carton. 2,510,004, May 30.

Williams, Beverly E., Chicago, Ill. Method and apparatus for refrigerating and aging meat. 2,494,024, Jan. 10.

Williams, Beverly E., Chicago, Ill. Refrigerator car. 2,496,189, Jan. 31.

Williams, Beverly E., assignor, by mesne assignments, to Swift & Company, Chicago, Ill. Refrigerator car. 2,521,272, Sept. 5.

Williams, Beverly E., assignor, by mesne assignments, to Swift & Company, Chicago, Ill. Refrigerator car. 2,527,782, Oct. 31.

Williams, Bill D., Hot Springs, Ark. Currency containing cabinet. 2,508,981, May 23.

Williams, C. C., Walker: *See*—
Balsiger, Harold E., and Williams.

Williams, Calvin C., Philadelphia, Pa. Radial steam engine with water release mechanism. 2,513,982, July 4.

Williams, Carl T., Maricopa County, Ariz. Incision closer. 2,513,771, July 4.

Williams, Charles R.: *See*—
Ackerlind, Erik, and Williams.

Williams, Charles S., Lexington, N. C. Fluid pressure operated chair assembly clamp. 2,504,609, Apr. 18.

Williams, Charlton H., assignor to Eula W. Williams, Columbus, Ga. Saddle, stirrup, and bearing construction for spinning or roving frames. 2,496,765, Feb. 7.

Williams, Chester I., Grand Rapids, Mich. Anchor lock form aligner. 2,534,154, Dec. 12.

Williams, Chester P., Waltham, Mass., assignor to the United States of America as represented by the Secretary of War. Mechanical transmission. 2,496,572, Feb. 7.

Williams, Claude T., Knob Noster, Mo. Carrier for baitcasting plugs and lures. 2,513,538, July 4.

Williams, Clifford C., Joliet, Ill. Well pump installation. 2,529,062, Nov. 7.

Williams, Clifton S., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Arc welding apparatus. 2,516,037, July 18.

Williams, Columbus B.: *See*—
Zemanek, Arnold F., Swem, Treichler, Williams, and Kelly.

Williams, Curtis M., Phoenix, Ariz. Advertising sign display box. 2,507,875, May 16.

Williams, Dan T., assignor of one-fourth to R. G. Plater, Robinson, Ill. Fire preventing device. 2,511,959, June 26.

Williams, Darwin D., assignor of one-half to R. D. Powers, Napa, Calif. Screw driver with element-gripping jaws. 2,524,095, Oct. 3.

Williams, David G., assignor to Trojan Powder Company, Allentown, Pa. Multiple-trip container. 2,511,958, June 26.

Williams, David M., assignor to Olin Industries, Inc., New Haven, Conn. Ejector pin and breechblock assembly for firearms. 2,494,220, Jan. 10.

Williams, David M., Warrensville Heights, assignor to The Arco Company, Cleveland, Ohio. Method and apparatus for determining the elongation properties of coating films. 2,497,052, Feb. 7.

Williams, David M., assignor to Olin Industries, Inc., New Haven, Conn. Carrier spring for magazine type firearms. 2,506,982, May 9.

Williams, David M., assignor to Olin Industries, Inc., New Haven, Conn. Cartridge-feeding mechanism for firearms. 2,509,382, May 30.

Williams, David M., Warrensville Heights, assignor to The Arco Company, Cleveland, Ohio. Apparatus for testing the adhesion of films of coating material. 2,533,076, Dec. 5.

Williams, Dorothy D., Monessen, Pa., assignor of one-half to Mildred F. Lyons, Jackson Heights, N. Y. Safety apron. 2,498,471, Feb. 21.

Williams Dwight, Charleston, R. M. Thomas and G. S. Haines, South Charleston, W. Va., assignors to Food Machinery and Chemical Corporation, New York, N. Y. Stabilized chloral. 2,504,952, Apr. 25.

Williams, Dwight, Charleston, W. Va., R. M. Thomas, St. Louis, Mich., and G. S. Haines, South Charleston, W. Va., assignors to Food Machinery and Chemical Corporation, New York, N. Y. Stabilized chloral. 2,504,953, Apr. 25.

Williams, Earl J., Detroit, Mich., assignor, by mesne assignments, to Lectra Products, Inc., New York, N. Y. Knob structure. 2,507,392, May 9.

Williams, Edmond G., Lemsford, England, assignor to Imperial Chemical Industries Limited. Production of polymeric resin sheets by continuously polymerizing monomeric material. 2,500,728, Mar.14.

Williams, Edward B., Jr., Greenville, Tex. Drill bit. 2,493,178, Jan. 3.

Williams, Edward B., Jr., Greenville, Tex. Core bit. 2,495,400, Jan. 24.

Williams, Edward D., London, England. Locking device. 2,511,522, June 13.

Williams, Edward M., Houston, Tex. Awning. 2,530,036, Nov. 14.

Williams, Elmer R., Tulsa, Okla. Oil and gas separator. 2,493,095, Jan. 3.

Williams, Elmer R., assignor to F. L. Murdock, Sr., Tulsa, Okla. System for maintaining liquid level and gas pressure in receptacles. 2,500,304, Mar. 14.

Williams, Elmer R., Tulsa, Okla. Safety shutoff for oil treaters. 2,520,820, Aug. 29.

Williams, Ervin R., assignor to Harrison & Morton Laboratories, Inc., Cuyahoga Falls, Ohio. Vulcanizable rubber composition. 2,535,524, Dec. 26.

Williams, Eula W., assignee: *See*—
Williams, Charlton H.

Williams, Everard M.: *See*—
De Lano, Ralph B., Jr., and Williams.
Haller, George L., and Williams.

Williams, Everard M., and E. V. Cousy, Dayton, Ohio. Portable interference transmitter. 2,515,282, July 18.

Williams, Everard M., Pittsburgh, Pa. Radar warning system. 2,522,551, Sept. 19.

Williams, F. B., assignee: *See*—
Sears, Fred M.

Williams, Floyd J., Dallas, Tex. Laminated bearing. 2,494,023, Jan. 10.

Williams, Floyd J., assignor to Geophysical Service, Inc., Dallas, Tex. Coupling means for seismometers. 2,501,558, Mar. 21.

Williams, Forrest J., assignor of sixty per cent to E. Hein, San Francisco, Calif. Moistening device. 2,504,773, Apr. 18.

Williams, Frances M., executrix: *See*—
Jones, David J., and Williams.

Williams, Francis B., Columbus, Ohio. Vehicle brake cable oiler. 2,531,095, Nov. 21.

Williams, Frank C., Ridgewood, N. J. Signal control structure. 2,506,983, May 9.

Williams, Frank P.: *See*—
Hayes, Earl T., Williams, and Sternberg.

Williams, Frank W.: *See*—
Bishop, John E., and Williams.

Williams, Franklin C., assignor to Eastman Kodak Company, Rochester, N. Y. Linear coordinate transfer computing method and device. 2,494,076, Jan. 10.

Williams, Franklin C., and F. M. Brown, assignors to Eastman Kodak Company, Rochester, N. Y. Apparatus for making color prints. 2,500,049, Mar. 7.

Williams, Fred B., Lincolnwood, and F. P. Hill, Franklin Park, Ill., assignors to Motorola, Inc. Antenna system. 2,520,984, Sept. 5.

Williams, Fred B., Lincolnwood, F. P. Hill, Franklin Park, and W. Blinoff, assignors to Motorola, Inc., Chicago, Ill. Antenna coupling circuit. 2,520,985, Sept. 5.

Williams, Fred B., Lincolnwood, and F. P. Hill, Franklin Park, assignors to Motorola, Inc., Chicago, Ill. Vehicular antenna system. 2,520,986, Sept. 5.

Williams, Fred B., Lincolnwood, and F. P. Hill, Franklin Park, assignors to Motorola, Inc., Chicago, Ill. Vehicle body antenna. 2,520,987, Sept. 5.

Williams, Fred D., Jr., assignor to S. Ruben, New Rochelle, N. Y. Flat type alkaline dry cell. 2,499,239, Feb. 28.

Williams, Fred D., Jr., assignor to S. Ruben, New Rochelle, N. Y. Dry cell. 2,525,436, Oct. 10.

Williams, Fred E.: *See*—
Nicoll, Frederick H., and Williams.
Taylor, Maurice K., and Williams.
Williams, Frederic C.: *See*—
Wood, Hubert, Williams, and Whitehead.
Williams, Frederic C., Timperley, England. Electric integrator using a motor with velocity feedback. 2,513,537, July 4.
Williams, George. *See*—
Williams, George P. and G.
Williams, George, assignee: *See*—
Ames, Robert G.
Williams, George A., San Antonio, Tex. Portable concrete mixer and drive means therefor. 2,507,077, May 9.
Williams, George J., assignee: *See*—
Williams, James T., and Riese.
Williams, George L., Manchester, assignor to United Aircraft Corporation, East Hartford, Conn. Crankshaft torsional vibration damper. 2,496,836, Feb. 7.
Williams, George L., Manchester, assignor to United Aircraft Corporation, East Hartford, Conn. Power-transmitting device. 2,500,393, Mar. 14.
Williams, George P. and G., Portland, Oreg. Cabinet smoke stand. 2,508,848, May 23.
Williams, George W., assignee: *See*—
Ames, Robert G.
Williams, Gordon M., Glens Falls, N. Y., assignor to New Wrinkle, Inc., Dayton, Ohio. Polymerizing nonwrinkling oils to wrinkling oils. 2,528,936, Nov. 7.
Williams, Gordon M., Glens Falls, N. Y., assignor to New Wrinkle, Inc., Dayton, Ohio. Wrinkling oils. 2,528,937, Nov. 7.
Williams, Gordon M., Glens Falls, N. Y., assignor to New Wrinkle, Inc., Dayton, Ohio. Modification of drying oils. 2,529,528, Nov. 14.
Williams, Guy F., Tulsa, Okla., assignor to The Dow Chemical Company, Midland, Mich. Preventing loss of liquid from a well hole in the earth. 2,502,191, Mar. 28.
Williams, H. E., assignee: *See*—
Sears, Fred M.
Williams, Harold R., Cleveland, Ohio. Brazing flux composition. 2,493,372, Jan. 3.
Williams, Harry A.: *See*—
Bevins, James E., and Williams.
Williams, Harry O., Lawson, Mo., assignor of one-half to T. B. Watkins. Automatically adjustable brake. 2,493,177, Jan. 3.
Williams, Harry R.: *See*—
Martin, Thomas B., and Williams.
Williams, Harry S., assignee: *See*—
Arnett, George A.
Williams, Harry S., North Little Rock, assignor to Roc-a-Ride Corporation, Little Rock, Ark. Two-seated tricycle. 2,493,561, Jan. 3.
Williams, Harry S., Wichita, Kans. Hand-operated food mixer. 2,520,075, Aug. 22.
Williams, Harry V., assignor of one-fourth to W. A. Beauchamp, Chicago, Ill. Receptacle support. 2,522,658, Sept. 19.
Williams, Harvey L., Hadlyme, Conn. Garment or the like. 2,517,748, Aug. 8.
Williams, Harvey W., Richmond, Calif. Nonwind safety device for clothes wringers. 2,498,975, Feb. 28.
Williams, Herbert P., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Thermionic amplifier circuit. 2,498,730, Feb. 28.
Williams, Herbert P., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Radio system for guiding aircraft. 2,510,160, June 6.
Williams, Howard L., and G. W. McLean, Spokane, Wash. Device for testing armatures of motors and generators. 2,515,623, July 23.
Williams, Howard N., assignor of fifty per cent to H. R. Koblitz, Lawrence, Kans. Hydraulically controlled live center. 2,526,182, Oct. 17.
Williams, Howard O., assignee: *See*—
Hall, Edward F., and Lageson.
Williams, Howell J.: *See*—
Nesbitt, Ethan A., and Williams.
Williams, Hugh V., Richmond, Va. Armature pegging machine. 2,512,403, June 20.
Williams, Irven F., Midland, Mich. Motion converter. 2,517,818, Aug. 8.
Williams, Ivan A., Portland, Oreg. Paper roll holder and making same. 2,513,699, July 4.
Williams, Ivan A., Portland, assignor to Cushion Grip National, Salem, Oreg. Bag handle feeding machine. 2,534,893, Dec. 19.
Williams, J. H., & Company, assignee: *See*—
Georse, William F.
Potts, Oliver F.
Williams, James B., Minden, La. Electric soldering device for commutators. 2,495,044, Jan. 17.
Williams, James G., Sparks, Nev. Waste retainer for journal boxes. 2,498,385, Feb. 21.
Williams, James H., Lincoln, assignor to Grinnell Corporation, Providence, R. I. Fluid pressure actuated C-clamp. 2,533,413, Dec. 12.
Williams, James T., Minneapolis, and K. F. Riese, St. Paul, Minn., assignors of one-third to said Riese, one-third to M. L. Williams, one-fifteenth to J. T. Williams, Jr., one-fifteenth to R. H. Williams, one-fifteenth to M. L. Lindstroth, one-fifteenth to G. J. Williams, and one-fifteenth to L. D. Williams. Combined lighter and incense vaporizer. 2,510,449, June 6.
Williams, James T., Minneapolis, and K. F. Riese, St. Paul, Minn. Antislipping device for automobile tires. 2,510,450, June 6.
Williams, James T., Minneapolis, and K. F. Riese, St. Paul, Minn. Antislipping device. 2,510,451, June 6.
Williams, James T., Jr., assignee: *See*—
Williams, James T., and Riese.
Williams, John C.: *See*—
Warrington, John H., and Williams.
Williams, John C., Oakland, Calif. Making bearings. 2,503,533, Apr. 11.
Williams, John C., Oakland, Calif. Packing gland. 2,505,373, Apr. 25.
Williams, John C., Oakland, Calif. Vertical boring machine. 2,529,753, Nov. 14.
Williams, John H., Barrington, assignor to Oak Mfg. Co., Chicago, Ill. Electrical apparatus. 2,507,428, May 9.
Williams, John K., Bellmead, Tex., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Hydraulic apparatus. 2,517,518, Aug. 1.
Williams, John P., Nashville, Tenn. Light equipped toolholder. 2,493,796, Jan. 10.
Williams, John S., Lancaster, Pa. Germicidal solution. 2,507,236, May 9.
Williams, John S., Lancaster, Pa. Solutions for use in embalming. 2,521,108, Sept. 5.
Williams, John W., and H. F. Deutsch, Madison, Wis., assignors to the United States of America as represented by the Secretary of War. Separating and recovering globulins from blood plasmas. 2,520,076, Aug. 22.
Williams, Jonathan W., Claymont, and T. A. Williamson, Arden, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. N′(4-hydroxy-4-isoimidazol-2-yl) sulfonamides and their production. 2,523,528, Sept. 26.
Williams, Joseph: *See*—
Fraser, William A., and Williams.
Williams, Judson, Philadelphia, Pa. Carburetor. 2,498,598, Feb. 21.
Williams, Keith, Buffalo, N. Y. Hand brake. 2,507,327, May 9.
Williams, Keith, Buffalo, N. Y. Operating lever mechanism for rotary hand brakes. 2,512,450, June 20.
Williams, Keith, Buffalo, N. Y. Friction shock absorbing mechanism. 2,517,749, Aug. 8.
Williams, Keith, Buffalo, N. Y. Hand brake holding and releasing mechanism. 2,529,063, Nov. 7.
Williams, Keith, Buffalo, N. Y. Hand brake. 2,529,064, Nov. 7.
Williams, Kenneth A., Cutler, Ohio. Push and pull door handle. 2,507,289. May 9.
Williams, Kenneth T., Berkeley, and E. F. Potter, Richmond, Calif., assignors to the United States of America as represented by the Secretary of Agriculture. Solubilizing tanning bark extracts with waste sulfite liquors. 2,505,818, May 2.
Williams, La Vergne H., Columbia, assignor to Collins and Williams Company, Incorporated, Willimantic, Conn. Elapsed time recorder with strip printing type. 2,496,686, Feb. 7.
Williams, Lawrence, and E. J. Vosler, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Safety device. 2,494,498, Jan. 10.
Williams, Lawrence D.: *See*—
Williams, James T., and Riese.
Williams, Lawrence S., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale poise. 2,494,150, Jan. 10.
Williams, Lawrence S., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale. 2,501,247, Mar. 21.
Williams, Lawrence S., assignor to Toledo Scale Company, Toledo, Ohio. Hydraulic weighing scale. 2,501,248, Mar. 21.
Williams, Lawrence S., assignor to Toledo Scale Company, Toledo, Ohio. Mounting for load responsive capsules. 2,503,698, Apr. 11.
Williams, Lawrence S., assignor to Toledo Scale Company, Toledo, Ohio. Stabilizing frame for hydraulic scales. 2,510,535, June 6.
Williams, Lawrence S., assignor to Toledo Scale Company, Toledo, Ohio. Electric motor servo mechanism. 2,510,536, May 9.
Williams, Lawrence S., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale indicator drive. 2,518,585, Aug. 15.
Williams, Lawrence S., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale pendulum guard. 2,525,056, Oct. 10.
Williams, Lawrence S., assignor to Toledo Scale Company, Toledo, Ohio. Pendulum scale. 2,533,862, Dec. 12.
Williams, Leon A., Waterbury, Conn., assignor to Benrus Watch Company, Inc., New York, N. Y. Basket weave chain. 2,528,567, Nov. 7.
Williams, Leon A., Waterbury, Conn., assignor to Benrus Watch Company, Inc., New York, N. Y. Expansible basket-weave chain. 2,528,568, Nov. 7.

Williams, Louis A., Belmont, assignor to Raytheon Manufacturing Company, Newton, Mass. Cathode structure. 2,532,215, Nov. 28.

Williams, Lynn A., Jr., Indianapolis, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill. Thermostat. 2,505,599, Apr. 25.

Williams, Lynn A., Jr., Indianapolis, Ind., assignor to Stewart-Warner Corporation, Chicago, Ill. Fuel control apparatus. 2,507,130, May 9.

Williams, Lynn A., Jr., and A. C. Allen, assignors to Stewart-Warner Corporation, Chicago, Ill. Protective device for fuel lines or the like. 2,531,958, Nov. 28.

Williams, Margaret L., assignee: *See*—
Williams, James T., and Riese.

Williams, Marvin L., assignee: *See*—
Renaud, Collis P.

Williams, Merrel O.: *See*—
Saville, Willie, and Williams.

Williams, Milton, U. S. Navy, Bakersfield, Calif. Determining fluid content and salinity of moist solids. 2,513,388, July 4.

Williams, Muriel: *See*—
Williams, William A.

Williams, Neville M., Harrisonburg, Va. Wheel play indicator. 2,508,849, May 23.

Williams, Norman, Stratford, Conn. Insecticide comb-applicator. 2,532,001, Nov. 28.

Williams, Oliver C., assignee: *See*—
Parnell, Edwin H., Sr.

Williams, Owen E., Oshkosh, Wis. Nonskid device. 2,494,850, Jan. 17.

Williams, Paul D.: *See*—
Miller, Harold D., and Williams.
Sorg, Harold E., Williams, and Drieschman.

Williams, Paul D., Palo Alto, assignor to Eitel-McCullough, Inc., San Bruno, Calif. Electrode for electron tubes. 2,497,109, Feb. 14.

Williams, Paul D., Palo Alto, assignor to Eitel-McCullough, Inc., San Bruno, Calif. Making electrodes. 2,497,110, Feb. 14.

Williams, Paul D., Palo Alto, assignor to Eitel-McCullough, Inc., San Bruno, Calif. Electron tube having carburized thoriated cathode. 2,497,111, Feb. 14.

Williams, Paul H.: *See*—
Davidson, John T., Williams, Ganger, and Crawford.

Williams, Paul V., Los Angeles, Calif. Portable tent or cabaña structure. 2,535,618, Dec. 26.

Williams, Philip H., San Jose, assignor to E. A. Kent, Berkeley, Calif. Series switch control. 2,506,623, May 9.

Williams, Philip H., San Jose, assignor to E. A. Kent, Berkeley, Calif. Deaerator and corrosion control equipment. 2,518,845, Aug. 15.

Williams, Philip S., Tulsa, Okla., assignor to Standard Oil Development Company. Oil well formation tester. 2,511,759, June 13.

Williams, Philip S., Tulsa, Okla., assignor to Standard Oil Development Company. Method and apparatus for detecting corrosion. 2,527,170, Oct. 24.

Williams, Philip S., and B. W. Sewell, Tulsa, Okla., assignors to the United States of America as represented by the Secretary of the Navy. Fuse. 2,515,066, July 11

Williams, Ralph A., West Hollywood, Calif. Trim strip applicator tool. 2,518,106, Aug. 8.

Williams, Ralph E., Chicago, Ill., assignor to B. F. Gump Co. Combined filling and vibrating device having an elongated vibratory bag member. 2,533,157, Dec. 5.

Williams, Ralph H., Danvers, assignor to Sylvania Electric Products Inc., Salem, Mass. Lampholder for elongated fluorescent lamps. 2,513,126, June 27.

Williams, Richard J., Birmingham, and G. L. Stine, assignors to American Metal Products Company, Detroit, Mich. Sinuous spring cushion assembly. 2,526,183, Oct. 17.

Williams, Richard J., Birmingham, G. L. Stine and F. C. Matthaei, Jr., assignors to American Metal Products Company, Detroit, Mich. Seat and back frame and spring construction. 2,526,184, Oct. 17.

Williams, Robert G., Cicero, Ill. Heater for liquid cooling system of internal-combustion engines. 2,514,270, July 4.

Williams, Robert H., assignee: *See*—
Williams, James T., and Riese.

Williams, Rodger, Los Angeles, Calif. Electric still camera. 2,520,296, Aug. 29.

Williams, Russell C.: *See*—
Davies, James M., Mogk, and Williams.

Williams, Russell J.: *See*—
Belcher, Daniel, Williams, and Voege.

Williams, Samuel B., Birmingham, Mich. Helicopter construction. 2,497,040, Feb. 7.

Williams, Samuel B., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electronic computer. 2,502,360, Mar. 28.

Williams, Samuel B., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electronic calculator. 2,528,100, Oct. 31.

Williams, Samuel B., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,528,101, Oct. 31.

Williams, Stanley V.: *See*—
Jones, David J., and Williams.

Williams, Trevor M., assignor to R. D. D. Company, Los Angeles, Calif. Refrigerated juice dispenser. 2,513,610, July 4.

Williams, Virgil C.: *See*—
Brinker, William E., and Williams.

Williams, William A., assignor to The American Pulley Company, Philadelphia, Pa. Fastening means. 2,503,860, Apr. 11.

Williams, William A., Port Crane, assignor to General Aniline & Film Corporation, New York, N. Y. Fog detector for X-ray film packages. 2,505,346, Apr. 25.

Williams, William A., assignor to The American Pulley Company, Philadelphia, Pa. Mechanism for accomplishing axial shift of opposed surfaces of revolution, and also making such mechanism. 2,509,711, May 30.

Williams, William A., and M. Williams, Denver, Colo. Bobby pin spreader. 2,509,897, May 30.

Williams, William G., Anaheim, Calif. Tie rack. 2,493,936, Jan. 10.

Williams, Willis E., assignor to Chambers Corporation, Shelbyville, Ind. Gas range. 2,512,404, June 20.

Williams, Wister C., Pittsburgh, Pa. Carburetor for triturated coal. 2,522,203, Sept. 12.

Williamson, Archie O., assignor to Wm. Bros. Boiler & Manufacturing Co., Minneapolis, Minn. Snowplow. 2,504,774, Apr. 18.

Williamson, Benjamin A., St. Louis, Mo. Nut-cracking implement. 2,506,822, May 9.

Williamson, Carl S., Orangeburg, S. C. Fish stringing device. 2,519,528, Aug. 22.

Williamson, Daniel W.: *See*—
Weber, Herman W., and Williamson.

Williamson, Edward E., assignor to Admiral Corporation, Chicago, Ill. Permeability tuning control. 2,523,407, Sept. 26.

Williamson, Floyd M., Detroit, Mich. Vanity case. 2,526,596, Oct. 17.

Williamson, Gerald J.: *See*—
Hartley, Arthur C., Brown, Callendar, Fehling, Fox, Gill, Moore, Rosin, and Williamson.

Williamson, Hilding V., assignor to Cardox Corporation, Chicago, Ill. Refrigerated car. 2,502,192, Mar. 28.

Williamson, Hilding V., assignor to Cardox Corporation, Chicago, Ill. Safety release for blasting shells. 2,502,193, Mar. 28.

Williamson, Hilding V., assignor to Cardox Corporation, Chicago, Ill. Fire-extinguishing apparatus and method. 2,525,570, Oct. 10.

Williamson, Hilding V., and J. C. Hesson, assignors to Cardox Corporation, Chicago, Ill. Combined fire extinguishing and space ventilating device. 2,506,126, May 2.

Williamson, James M.: *See*—
Jack, Delbert E., Williamson, and Schenck.

Williamson, John W., Los Angeles, Calif., assignor to The Roberts Mill Manufacturing Company, Denver, Colo. Rotary beater grinding mill. 2,505,023, Apr. 25.

Williamson, Larkin R., Montclair, N. J. Gauge mechanism for press brakes. 2,510,768, June 6.

Williamson, Larkin R., Montclair, N. J. Gear reduction mechanism for press brakes. 2,533,077, Dec. 5.

Williamson, Marshall I.: *See*—
Pantalone, Vincent R., and Williamson.

Williamson, Marshall I., New Haven, Conn. Display structure with supporting easel. 2,507,947, May 16.

Williamson, Marshall I., New Haven, Conn., assignor, by mesne assignments, to National Folding Box Company, Incorporated. Container. 2,516,085, July 18.

Williamson, Marshall I., New Haven, Conn. Traylike folding structure. 2,522,325, Sept. 12.

Williamson, Marshall I., New Haven, Conn., assignor, by mesne assignments, to National Folding Box Company, Incorporated. Folding box. 2,523,488, Sept. 26.

Williamson, Marshall I., New Haven, Conn. Display container. 2,532,216, Nov. 28.

Williamson, Norman B., Portland, Oreg. Cart for transporting golf bags. 2,523,893, Sept. 26.

Williamson, Robert B., Bluefield, W. Va. Refractory furnace for tobacco barns. 2,535,883, Dec. 26.

Williamson, Robert V., and T. F. Clark, Peoria, Ill., assignors to United States of America as represented by the Secretary of Agriculture. Lignocellulose, phenol formaldehyde, and inorganic filler molding composition. 2,502,498, Apr. 4.

Williamson, Roy, assignor of one-half to W. C. Royer, Dallas, Tex. Jack for positioning matched planking. 2,518,586, Aug. 15.

Williamson, Sophus A., Los Angeles, Calif. Rotary doughnut cutter. 2,525,987, Oct. 17.

Williamson, Thomas C., Jackson Heights, assignor to The Lummus Company, New York, N. Y. Regeneration of granular adsorbents. 2,518,409, Aug. 8.

Williamson, Thomas F. M., San Francisco, assignor to A. H. Isenberg, Woodside, Calif. Thermal insulated pipe. 2,532,587, Dec. 5.

Williamson, Thurmond A.: *See*—
Williams, Jonathan W., and Williamson.

Williamson, Thurmond A., New York, N. Y., assignor to the United States of America as represented by the Secretary of War. Producing 5,6-dimethoxy-8-nitroquinoline. 2,494,851, Jan. 17.

Willhard, Clyde, assignee: *See*—
Underwood, Chauncey S.

Williford, Oscar H.: *See*—
Dehn, Joseph W., and Williford.
Williford, Oscar H., Bronxville, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Trouble recorder control circuit. 2,508,052, May 16.
Williford, Oscar H., Bronxville, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Control mechanism. 2,523,408, Sept. 26.
Willing, Joseph E., and G. E. Duffy, Sr., assignors to General Railway Signal Company, Rochester, N. Y. Polarized relay. 2,502,811, Apr. 4.
Willing, Joseph E., and G. E. Duffy, Sr., Rochester, and C. E. Stevenson, Macedon, assignors to General Railway Signal Company, Rochester, N. Y. Magnetic stick relay. 2,535,977, Dec. 26.
Willink, Arthur, Trenton, N. J. Window sash spacer lock. 2,504,367, Apr. 18.
Willis, Addison O.: *See*—
Steele, Frederick I., and Willis.
Willis, Beuford N., Jonesboro, Ga., and H. E. Willis, Quantico, Va. Controllable pitch propeller. 2,527,112, Oct. 24.
Willis, Clarence L., assignor to Gulf Lumber Company, Inc., Mobile, Ala. Attachment for carrying a trailer on a truck. 2,518,410, Aug. 8.
Willis, Elijah J., assignor of one-half to A. B. Cooper, Morehead City, N. C. Toy pistol. 2,531,591, Nov. 28.
Willis, Elizabeth D., assignee: *See*—
Darby, Jabez B.
Willis, George R., assignee: *See*—
Geyer, Paul G. T.
Willis, Henry E.: *See*—
Willis, Beuford N. and H. E.
Willis, Lowell B., Columbus, Ohio. Sink mounting. 2,503,982, Apr. 11.
Willis, Neal E., assignor to Monsanto Chemical Company, St. Louis, Mo. Manufacture of tetraethyl pyrophosphate. 2,523,243, Sept. 19.
Willis, Paul, Blue Island, assignor of one-third to E. P. Kelly, Chicago, and one-third to G. Roth, Evanston, Ill. Locomotive smokebox steam injection draft control. 2,516,440, July 25.
Willis, Paul, San Francisco, Calif. Envelope moistener and sealer. 2,530,037, Nov. 14.
Willis, Paul F.: *See*—
Smith, Sigmund J., and Willis.
Willis, Ralph F., McKeesport, Pa., assignor to National Tube Company. Shield for electromagnets. 2,529,440, Nov. 7.
Willis, Rosalie, assignee: *See*—
Crowell, Gordon W.
Willis, Sumner C.: *See*—
Harris, Sterling G., and Willis.
Willis, William S., Grand View, Tex. Cotton boll pulling machine. 2,528,102, Oct. 31.
Willison, Donald: *See*—
Buckius, Albert O., and Willison.
Spence, Hubert L., and Willison.
Willits, Glenn D., Grabill, Ind., assignor to General Electric Company. Baffle and end shield assembly for dynamoelectric machines. 2,512,905, June 27.
Willits, Glenn D., Leo, Ind., assignor to General Electric Company. Bearing construction. 2,519,948, Aug. 22.
Willits, Glenn D., Leo, Ind., assignor to General Electric Company. Oil thrower for dynamoelectric machines. 2,524,555, Oct. 3.
Willits, Glenn D., Leo, Ind., assignor to General Electric Company. Stator for universal electric motors. 2,535,004, Dec. 19.
Willits, Glenn D., Leo, and L. W. Wightman, Fort Wayne, Ind., assignors to General Electric Company. Centrifugal mechanism. 2,512,405, June 20.
Willke, Herbert L., Toledo, Ohio, assignor to The National Supply Company, Pittsburgh, Pa. Tight threaded joint. 2,505,747, Apr. 25.
Willman, Walter, St. Petersburg, Fla., assignor to James Heddon's Sons, Dowagiac, Mich. Fishing reel. 2,531,929, Nov. 28.
Willoughby, Eric O., Aldwych, London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Radio navigation system. 2,498,732, Feb. 28.
Willoughby, Eric O., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Aerial array. 2,510,162, June 6.
Willoughby, Eric O., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Dipole antenna system. 2,511,029, June 13.
Willoughby, Eric O., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Arrangement for coupling wide frequency band antennae to transmision lines. 2,512,704, June 27.
Willoughby, Eric O., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Constant impedance network. 2,527,608, Oct. 31.
Willoughby, Eric O., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Arrangement for coupling to an electric antenna. 2,527,609, Oct. 31.
Willoughby, Richard B., Oakland, assignor to Shell Development Company, San Francisco, Calif. Dynamic pressure measurement. 2,509,621, May 30.
Willoughby, Victor: *See*—
Schroeder, Ernest R., and Willoughby.
Wills, Cleo T., assignee: *See*—
McLendon, Carlton G.
Wills, Walter P.: *See*—
Barnes, George W., Jr., Goetz, and Wills.
Wills, Walter P., Philadelphia, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Measuring and controlling apparatus for catalyst regenerators. 2,497,053, Feb. 7.
Wills, Walter P., Philadelphia, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Resistor. 2,533,656, Dec. 12.
Willshaw, Harry, London, England, assignor to Dunlop Tire and Rubber Corporation, Buffalo, N. Y. Calender. 2,525,744, Oct. 10.
Willson, Corwin D., Flint, Mich. Combined suspension and stabilizing systems. 2,525,988, Oct. 17.
Willson, David S.: *See*—
Woodford, Joseph C., and Willson.
Willson, Francis G., New Eltham, London, A. Forster, Farnborough, and E. Roberts, Eltham, London, assignors to Minister of Supply, in His Majesty's Government of the United Kingdom of Great Britain and Northern Ireland, London, England. Cyclo-trimethylenetrinitramine. 2,525,252, Oct. 10.
Willson, Harry C., assignor to Reproducers and Amplifiers Limited, Wolverhampton, England. Electrodynamic sound reproducer. 2,526,836, Oct. 24.
Willson, Karl S., and D. G. Ellis, Cleveland, assignors to The Harshaw Chemical Company, Elyria, Ohio. Electrodeposition of copper. 2,495,668, Jan. 24.
Willson Products, Inc., assignee: *See*—
Loose, Winfield W.,
Willson, Thomas A.
Willson, Robert M., Victorville, Calif. Producing sulfuric acid and hydraulic cement from gypsum. 2,528,103, Oct. 31.
Willson, Thomas A., Wyomissing, assignor to Willson Products, Inc., Reading, Pa. Sunglasses. 2,534,748, Dec. 19.
Willys-Overland Motors, Inc., assignee: *See*—
Eoos, Delmar G.
Wilmarth, Harry T., Attleboro, Mass. Control cock for gaseous fuel burners burning a mixture of two gases. 2,520,591, Aug. 29.
Wilmington Trust Company of Wilmington, Del., executor: *See*—
Du Pont, Richard C.
Wilmot Engineering Company, assignee: *See*—
Wilmot, George L.
Wilmot, George L., Hazleton, Pa., assignor to Wilmot Engineering Company. Apparatus for separating materials of different specific gravities. 2,533,655, Dec. 12.
Wilmotte, Raymond M., assignee: *See*—
Castle, Clemens X.
Taylor, Norman H., and Wilmotte.
Wilmotte, Raymond M., Washington, D. C. Controlling electronic heating. 2,508,321, May 16.
Wilmotte, Raymond M., Tarrytown, and R. E. Benedict, New York, N. Y., said Benedict assignor to said Wilmotte. Photoelectronic limit gauge. 2,505,316, Apr. 25.
Wilmotte, Raymond M., Inc., assignee: *See*—
Young, Larry L.
Wilputte, Louis, New York, N. Y., assignor to Allied Chemical & Dye Corporation. Underfired regenerative coke-oven battery. 2,515,814, July 18.
Wilputte, Louis, New York, N. Y., assignor to Allied Chemical & Dye Corporation. Underfired regenerative coke-oven battery. 2,515,815, July 18.
Wilsdorf, Walter F., Sr., St. Louis, Mo., assignor to Trans-Continental Industries, Incorporated. Automobile hand accelerator. 2,501,249, Mar. 21.
Wilshusen, Arthur: *See*—
Wilshusen, August E. and A.
Wilshusen, August E., Inglewood, and A. Wilshusen, Torrance, Calif. Pump jack. 2,520,187 Aug. 29
Wilske, Julius E.: *See*—
McLaughlin, John E., Wilske, and McCormick.
Wilson, Albert, East Rockaway, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Carrier telegraph system. 2,523,748, Sept. 26.
Wilson, Albert L.: *See*—
Haas, Paul, and Wilson.
Wilson, Alexander L., Sharpsburg, Pa., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Preparation of imidazolidones. 2,517,750, Aug. 8.
Wilson, Alfred D., Westbrook, Maine, assignor to S. D. Warren Company, Boston, Mass. Production of clay coated sheet material. 2,500,972, Mar. 21.
Wilson, Armin G., Newark, assignor to Merck & Co., Inc., Rahway, N. J. Preparing 17-ketosteroids. 2,515,482, July 18.
Wilson Athlete Goods Mfg. Co., Inc., assignee: *See*—
Turner, Archibald J.
Wilson, Blaine W.: *See*—
Hodson, Layne O., and Wilson

Wilson, Broadus, Raleigh, N. C., assignor to Aeroglide Corporation. Precooler for shipping compartments. 2,523,749, Sept. 26.

Wilson, Byron F., Oakland, Calif. Aligning jig for typewriter carriage guide brackets. 2,517,268, Aug. 1.

Wilson, Charles C., and H. R. Parton, Kings Mountain, N. C. Centrifugal switch. 2,494,422, Jan. 10.

Wilson, Charles E., Petersburg, Va. Mower attachment for automobiles. 2,527,610, Oct. 31.

Wilson, Charles P.: *See*—
Nicholson, Finley C., and Wilson.

Wilson, Charles S., Miami, Fla. Pad press. 2,526,987, Oct. 24.

Wilson, Chester E., San Pedro, assignor to Union Oil Company of California, Los Angeles, Calif. Anticorrosive lubricating oil and fractionating alkali and alkaline earth metal petroleum sulfonates. 2,499,710, Mar. 7.

Wilson, Chester K., Cleveland, assignor to The Haughton Elevator Company, Toledo, Ohio. Closing elevator doors. 2,509,712, May 30.

Wilson, Christian, West Lynn, Mass. Liquid dispensing hairbrush. 2,517,152, Aug. 1.

Wilson, Clarence H., Glendale, and W. H. Alexander, Arcadia, Calif. Foldable tray-table unit. 2,514,735, July 11.

Wilson, Clarence L., assignee: *See*—
Malvin, Elmer C.

Wilson, Clarence T., Clayton, Mo. Tractor hitch. 2,527,343, Oct. 24.

Wilson, Clifford: *See*—
Hall, Horace C., Gresham, Doyle, and Wilson.

Wilson & Co., Inc., assignee: *See*—
Feldpush, Norman V.
Spannuth, Hiram T.

Wilson & Company, Inc., assignee: *See*—
Hodson, George F., and Campbell.

Wilson, Corbitt E., Spartanburg, S. C. Dual action safety brake. 2,518,411, Aug. 8.

Wilson, Donald E., Ypsilanti, Mich. Annular overlying retort oil burner. 2,522,733, Sept. 19.

Wilson, Donald K.: *See*—
Sutherland, Frederick F., and Wilson.

Wilson, Donald T., assignee: *See*—
Smiley, Joseph C., Jr.

Wilson, Donna R., Rutherfordton, N. C. Permanent waving long hair. 2,518,262, Aug. 8.

Wilson, Douglas W., and R. E. Taylor, Washington, D. C. Broad band antenna. 2,508,438, May 23.

Wilson, Doyne L.: *See*—
Kirkpatrick, Willard H., and Wilson.

Wilson, Eldon M., La Canada, and L. Pollock, Los Angeles, assignors to Southern Engineering Company, Incorporated, Burbank, Calif. Outboard motor. 2,528,480, Oct. 31.

Wilson, Emilie M., San Francisco, Calif. Asparagus steamer. 2,522,152, Sept. 12.

Wilson, Evan G., Liverpool, England. Rotary liquid treating drum. 2,532,002, Nov. 28.

Wilson, Evelyn H., Newark, J. Weijlard, and M. Tishler, Westfield, assignors to Merck & Co., Inc., Rahway, N. J. Preparing certain pantothenic acid salts. 2,496,363, Feb. 7.

Wilson, Evelyn H., Newark, assignor to Merck & Co., Inc., Rahway, N. J. Separation of 4-(4′-cyano-4′,4′-diphenylbutyl-2′)-morpholine from its isomer. 2,508,322, May 16.

Wilson, Frank C., Arcade, N. Y. Device for removing or inserting sleeves. 2,495,649, Jan. 24.

Wilson, Frank E., assignee: *See*—
Malvin, Elmer C.

Wilson, Galen J., assignor to The National Cash Register Company, Dayton, Ohio. Porous body. 2,526,311, Oct. 17.

Wilson, George, Gas Meters Limited, assignee: *See*—
Wilson, Walter D., and Poole.

Wilson, Gerald W.: *See*—
Wilson, Henry E. and G. W.

Wilson, Harland D., Toledo, Ohio. Battery terminal construction. 2,512,080, June 20.

Wilson, Harold G. C.: *See*—
Haycock, Harold J., and Wilson.

Wilson, Harry A.: *See*—
Alix, Elmer C., and Wilson.

Wilson, Harry C., Beverly Hills, assignor to R. H. Clark, Los Angeles, Calif. Expansion bit. 2,496,427, Feb. 7.

Wilson, Harry C., Sherman Oaks, assignor to R. H. Clark, Los Angeles, Calif. Toolholder. 2,496,426, Feb. 7.

Wilson, Harry C., Sherman Oaks, assignor to R. H. Clark, Los Angeles, Calif. Mounting for implements such as can openers. 2,510,357, June 6.

Wilson, Harry H., Jr.: *See*—
Tellier, Joseph C., and Wilson, Jr.

Wilson, Henry E. and G. W., Grand Junction, Colo., assignors to Pittsburgh-Erie Saw Corporation, Pittsburgh, Pa. Method and apparatus for wrapping saw blades or the like. Re. 23,231, May 16.

Wilson, Herman W., Cleveland Heights, assignor to Republic Steel Corporation, Cleveland, Ohio. Furnace doorframe. 2,503,895, Apr. 11.

Wilson, Herman W., and J. E. Heyworth, assignor to Republic Steel Corporation, Cleveland, Ohio. Openhearth door construction. 2,534,747, Dec. 19.

Wilson, Ira G.: *See*—
Edson, William A., and Wilson.

Wilson, J. G., Corporation, The, assignee: *See*—
Pringle, Edward S.

Wilson, Jack A., San Diego, Calif. Resetting means for multiple belt reels. 2,511,612, June 13.

Wilson, Jack C., Garden City, N. Y., assignor to The Sperry Corporation. Electromagnetic actuated switch lever detent. 2,525,846, Oct. 17.

Wilson, James E.: *See*—
Dodson, Walter L., and Wilson.

Wilson, James E., Dayton, Ohio. Electrical connector plug. 2,530,415, Nov. 21.

Wilson, James P., Haw River, N. C. Attachment for automatic knitting machines. 2,523,460, Sept. 26.

Wilson, James R., assignor to Ross Heater & Manufacturing Co., Inc., Buffalo, N. Y. Floating drill jig apparatus. 2,521,030, Sept. 5.

Wilson, John A., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Adjustable igniter for oil burners. 2,522,552, Sept. 19.

Wilson, John C., assignor to The Thompson Grinder Company, Springfield, Ohio. Apparatus for crush dressing grinding wheels. 2,495,492, Jan. 24.

Wilson, John C., assignor to The Thompson Grinder Company, Springfield, Ohio. Apparatus for dressing a grinding wheel to a predetermined configuration. 2,503,646, Apr. 11.

Wilson, John C., assignor to The Thompson Grinder Company, Springfield, Ohio. Grinding wheel dressing apparatus. 2,535,183, Dec. 26.

Wilson, John C., assignor to The Thompson Grinder Company, Springfield, Ohio. Method and apparatus for supplying coolant to grinding wheels. 2,535,184, Dec. 26.

Wilson, John G., Malvern, assignor to Pennsylvania Crusher Company, Philadelphia, Pa. Reversible hammer mill with material-deflecting feed structure. 2,514,111, July 4.

Wilson, John H., Wichita Falls, Tex. Power transmission mechanism. 2,499,287, Feb. 28.

Wilson, John O., Granite City, Ill. Mine duster. 2,521,888, Sept. 12.

Wilson, John W.: *See*—
Byler, William H., and Wilson.

Wilson, John W., assignor to The Interstate Folding Box Company, Middletown, Ohio. Lined carton. 2,516,820, July 25.

Wilson-Jones Company, assignee: *See*—
Buenger, Edward F., and Monighan.
Faulkner, Roy M.
Marano, Herbert W.
Segal, Samuel.

Wilson, Joseph B.: *See*—
Jessup, Alfred C., and Wilson.

Wilson, Joseph D., Atlanta, Ga. Manifolding sheet material. 2,509,852, May 30.

Wilson, Joseph D. C., II, Wilmington Manor, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of tetrahydropyran-2-methanol. 2,524,503, Oct. 3.

Wilson, Joseph G., Berkeley, and E. B. Wist, Alameda, assignors to Shell Development Company, San Francisco, Calif. Evaporator and fluid contact apparatus. 2,519,618, Aug. 22.

Wilson, Joseph L., Matawan, N. J. Wheel gauge. 2,516,497, July 25.

Wilson, Keith E., Los Angeles, Calif. Refrigeration control valve. 2,518,212, Aug. 8.

Wilson, Lawrence A., Temple Hills, assignor of one-half to T. H. Armstrong, Silver Spring, Md. Surgical splint. 2,511,659, June 13.

Wilson, Lee, Rocky River, Ohio. Method of and apparatus for heating coiled strip metal. 2,495,561, Jan. 24.

Wilson, Lloyd B., Garden City, N. Y., assignor to The Sperry Corporation. Negative resistance device. 2,520,990, Sept. 5.

Wilson, Lucius H. and R. W., Greenwich, Conn. Making pastry. 2,522,591, Sept. 19.

Wilson, Maurice J., Atlanta, Ga., assignor to Carrier Corporation, Syracuse, N. Y. Refrigeration system. 2,506,757, May 9.

Wilson, Melvin S.: *See*—
Saxton, Harold L., Smith, and Wilson.

Wilson, Merit E., Watertown, S. Dak. Doorstop and closer. 2,495,881, Jan. 31.

Wilson, Nathan B., Savannah, Ga. Device for sanding floors or the like. 2,532,979, Dec. 5.

Wilson, Neal K., Cuba, N. Y. Tubing and rod handling tool. 2,509,853, May 30.

Wilson, Norman B.: *See*—
Von Fuchs, George H., and Wilson.

Wilson, Norval F., East Alton, assignor to Alton Box Board Company, Alton, Ill. Folded fibrous material product. 2,526,185, Oct. 17.

Wilson, Olin C.: *See*—
Lauritsen, Charles C., and Wilson.

Wilson, Otis E., Emeryville, Calif. Headrest for hair driers. 2,527,868, Oct. 31.

Wilson, Otto E., Peru, Ind., and W. H. Sale, Sanston, Va., assignors to T-Z Railway Equipment Co., Chicago, Ill. Pin retainer for draft keys. 2,531,758, Nov. 28.

Wilson, Palmer C., Uniontown, Pa. Adjustment mechanism for hydraulic brakes. 2,523,172, Sept. 19.

Wilson, Philip J., Jr.: *See*—
Liebel, Charles R., Wells, and Wilson, Jr.
Wells, Joseph H., and Wilson, Jr.
Wilson, Ralph B., Buffalo, N. Y. Sectional casing gear pump. 2,511,660, June 13.
Wilson, Raymond A.: *See*—
Pierotti, Gino J., Wilson, and Anderson.
Wilson, Raymond W., Glendale, Calif. Antisiphoning means for dishwashing machines. 2,512,452, June 20.
Wilson, Robert A., Cranford, N. J., assignor to Standard Oil Development Company. Bubble cap construction. 2,494,372, Jan. 10.
Wilson, Robert G., Washington, D. C. Negative feed back vacuum tube voltmeter. 2,501,704, Mar. 28.
Wilson, Roger W.: *See*—
Willey, Marney B., and Wilson.
Wilson, Roland E., Detroit, Mich., assignor to Food Machinery and Chemical Corporation. Mirror and light beam wheel alignment characteristic measuring device. 2,496,324, Feb. 7.
Wilson, Ronald M., Ambler, assignor, by mesne assignments, to William M. Wilson's Sons, Inc., Lansdale, Pa. Liquid dispensing apparatus. 2,508,054, May 16.
Wilson, Rosser L., Mahwah, N. J., assignor to American Brake Shoe Company, New York, N. Y. Control apparatus. 2,499,805, Mar. 7.
Wilson, Rosser L., Mahwah, N. J., assignor to American Brake Shoe Company, New York, N. Y. Control apparatus. 2,511,389, June 13.
Wilson, Rosser L., Mahwah, N. J., assignor to American Brake Shoe Company, Wilmington, Del. Control apparatus. 2,513,222, June 27.
Wilson, Roy W., Oak Park, Ill. Child's sleeping garment. 2,528,677, Nov. 7.
Wilson, Rubye A. J., New Orleans, La., M. W. Johnson, administratrix of said R. A. J. Wilson, deceased. Edge tool. 2,497,482, Feb. 14.
Wilson, Ruth W.: *See*—
Wilson, Lucius H. and R. W.
Wilson, Sam R., and G. Kraulik, Vallejo, Calif. Self-sustaining fog nozzle. 2,515,578, July 18.
Wilson, Samuel L., St. Louis, Mo. Sunrays and reflected glare arresting device. 2,501,250, Mar. 21.
Wilson, Samuel W., Baton Rouge, La., assignor to Standard Oil Development Company. Distillation of polymerizable diolefins. 2,510,847, June 6.
Wilson, Sonnay, Kansas City, Mo. Combined workbench cabinet, and tool support. 2,505,658, Apr. 25.
Wilson Supply Company, assignee: *See*—
Nixon, Jeddy D.
Wilson, Sylvester V., Indianapolis, Ind. Heated steering wheel for automobiles. 2,530,559, Nov. 21.
Wilson, Theodore C., assignor to Mansfield Sanitary Pottery, Inc., Perrysville, Ohio. Combined sink and towel rack. 2,499,896, Mar. 7.
Wilson, Theodore J.: *See*—
Kutzler, Robert J., and Wilson.
Wilson, Thomas C., Washington, D. C., assignor to The New Jersey Zinc Company, New York, N. Y. Hot-rolled binary zinc-titanium alloy. 2,516,737, July 25.
Wilson, Thomas D., New York, N. Y. Shin shield for stepladders. 2,518,107, Aug. 8.
Wilson, Victor J., Phoenix, Ariz. Vertically adjustable general utility household device. 2,505,317, Apr. 25.
Wilson, Volney C., Schenectady, N. Y., assignor to United States of America as represented by the United States Atomic Energy Commission. Radiation counter. 2,519,007, Aug. 15.
Wilson, Walter D., and D. C. E. Poole, assignors to George Wilson Gas Meters Limited, Coventry, England. Gas meter casing. 2,519,806, Aug. 22.
Wilson, Walter R., Pittsfield, Mass., assignor to General Electric Company. Surface coated electrical bushing. 2,523,082, Sept. 19.
Wilson, Walter T., Jr., assignee: *See*—
Blish, Louis J.
Wilson, Wayne E., Fitchburg, Mass., assignor to General Electric Company. Automatic arc welding apparatus. 2,531,181, Nov. 21.
Wilson, Wayne J., Morning Sun, Iowa. Hog and cattle skinning table. 2,506,532, May 2.
Wilson, Web, Oil Tools Incorporated, assignee: *See*—
Wilson, William A.
Wilson, Wilfred K., assignor to Shawinigan Resins Corporation, Springfield, Mass. Vinyl resin emulsion. 2,508,341, May 16.
Wilson, Wilfred K., assignor to Shawinigan Resins Corporation, Springfield, Mass. Vinyl resin emulsion. 2,508,342, May 16.
Wilson, Wilfred K., assignor to Shawinigan Resins Corporation, Springfield, Mass. Polyvinyl acetate emulsion. 2,508,343, May 16.
Wilson, William A., Los Angeles, assignor to Web Wilson Oil Tools, Incorporated, Huntington Park, Calif. Pipe tong die. 2,517,366, Aug. 1.
Wilson, William A., Tacoma, Wash. Steering wheel lock. 2,500,593, Mar. 14.
Wilson, William B., Mount Vernon, N. Y. Adjustable typewriter desk. 2,516,281, July 25.
Wilson, William E., assignee: *See*—
Lyon, Joe M., Jr.
Wilson, William F., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Transmission. 2,526,919, Oct. 24.
Wilson, William H.: *See*—
Flight, Theodore N., Wilson, and Chinn.
Satchwell, Leonard, and Wilson.
Satchwell, Leonard, Wilson, and Chinn.
Wilson, William H., Camberley, and A. J. Chinn, assignors to The Rheostatic Company Limited, Slough, England. Magnetic snap action switch. 2,518,966, Aug. 15.
Wilson, William W., Memphis, Tenn. Sofa bed. 2,493,096, Jan. 3.
Wilson's, William M., Sons, Inc., assignee: *See*—
Wilson, Ronald M.
Wil-Stan Products Company, The, assignee: *See*—
Stanley, Chester D.
Wiltein, Rudolph, Sterling, Colo. Plant blocker. 2,521,109, Sept. 5.
Wilton, Percy J., Gary, Ind., assignor to Carnegie-Illinois Steel Corporation. Apparatus for heat-treating steel. 2,516,282, July 25.
Wiltse, Gordon A., assignee: *See*—
Street, Horace R.
Wiltshire, Arthur J., Richmond Heights, R. W. Lotz and R. B. White, Cleveland Heights, assignors to The Apex Electrical Manufacturing Company, Cleveland, Ohio. Apparatus for molding resinous articles. 2,512,535, June 20.
Wilzbach, Kenneth E., Chicago, Ill., assignor to United States Rubber Company, New York, N. Y. 1-acetyl-2-methyl-2-chloromethylcyclopropane. 2,497,483, Feb. 14.
Wimer, Bertram H., Washington, D. C. Sheet dispensing device for carbon paper rolls. 2,496,080, Jan. 31.
Wimmer, Glen E., Chicago, Ill. Pencil sharpener. 2,505,452, Apr. 25.
Winans, Earl W., Detroit, Mich. Torque transmitting shaft coupling. 2,532,829, Dec. 5.
Winans, Fonville, Baton Rouge, La. Film processing rack. 2,506,401, May 2.
Winberg, Hilmer E.: *See*—
Edgar, Donald E., and Winberg.
Winberg, Travis W., and R. A. Ames, Beaumont, Tex., assignors to Toledo Scale Company, Toledo, Ohio. Slicing machine. 2,497,646, Feb. 14.
Winborn, Byron R., Jr., assignor to Manitowoc Shipbuilding Company, Manitowoc, Wis. Agitator. 2,514,530, July 11.
Winborne, Job G., Norfolk, Va. Tiltably mounted waste receptacle. 2,506,533, May 2.
Winbourne, Stephen C., Spring Hope, N. C. Stalk cutter. 2,513,223, June 27.
Winby, Lewis P., assignor to High-Pressure Components Limited, London, England. Pipe coupling. 2,500,909, Mar. 14.
Wince, Vearl: *See*—
Franck, Kurt, and Wince.
Winco Ventilator Company, assignee: *See*—
Kubatzky, Otto.
Winchel, Henry T., Los Angeles, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind. System responsive to failure of receivers. 2,508,983, May 23.
Winchel, Henry T., Roscoe, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind. Radio repeating system. 2,530,748, Nov. 21.
Winchel, Henry T., and E. R. Robuck, North Hollywood, Calif., assignors, by mesne assignments, to Bendix Aviation Corporation, South Bend, Ind. Superregenerative receiver. 2,508,982, May 23.
Winchel, Henry T., and C. A. Addis, Los Angeles, Calif., assignors to Bendix Aviation Corporation, South Bend, Ind. Warning system for balance indicators. 2,522,914, Sept. 19.
Winchell, Sterling F., East Cleveland, assignor to The Warner & Swasey Company, Cleveland, Ohio. Machine tool. 2,501,298, Mar. 21.
Winchester, Albert G.: *See*—
Stone, Albert R., and Winchester.
Winchester, Charles P., Joplin, Mo. Pump valve. 2,510,489, June 6.
Winchester Electronics Company, assignee: *See*—
Burtt, Horatio H., Koenig, and Soderstrom.
Burtt, Horatio H., Soderstrom, and Koenig.
Winchester, Franklin L., South Gate, Calif. Self-guiding trailer dolly. 2,498,779, Feb. 28.
Winchester, Franklin L., South Gate, Calif. Shock absorbing trailer mount. 2,498,780, Feb. 28.
Windalume Corporation, assignee: *See*—
Kirschstein, Julius, and Faffel.
Windes, Stephen L., Silver Spring, Md. Electrical detonator. 2,514,434, July 11.
Windfields, (1946) Limited, assignee: *See*—
Duffield, William A.
Windle, Winfred W., Millbury, Mass. Bagging machine. 2,503,183, Apr. 4.
Windle, Winfred W., Millbury, Mass. Bag supporting and closing mechanism having slidably mounted pronged holding rollers. 2,503,184, Apr. 4.
Windolph Tractor Company, assignee: *See*—
Attwell, James F.
Window Products, Inc., assignee: *See*—
Haas, Glenn B.
Windsor, Frederick N., Penn Township, Allegheny County, assignor to Mine Safety Appliances Company, Pittsburgh, Pa. Fluid flow indicator. 2,520,869, Aug. 29.
Wine, William E., Parker, Va. Door frame for railway hopper cars. 2,506,259, May 2.

Wine, William E., Parker, Va. Door frame for railway hopper cars. 2,519,529, Aug. 22.
Winebrenner, Robert E., Hanover, Pa. Carton opener. 2,504,913, Apr. 18.
Winebrenner, Robert E., Hanover, Pa. Conveyer retraction device. 2,516,357, July 25.
Winegar, Edmund M., deceased, Willoughby, Ohio; E. M. Winegar, administratrix. Reinforced track block connector. 2,513,540, July 4.
Winegar, Edmund M., Willoughby, and A. P. Grover, Wickliffe, assignors, by mesne assignments, to The Ohio Rubber Company, Willoughby, Ohio. Guide for rubber mills. 2,513,541, July 4.
Winegar, Esta M., administratrix: *See*— Winegar, Edmund M.
Wineland, Earl W., McKeesport, assignor of one-third to N. Johnson and one-third to H. Wineland, White Oak Borough, McKeesport, Pa. Winding device for fishing lines. 2,504,941, Apr. 18.
Wineland, Harry, assignee: *See*— Wineland, Earl W.
Wineman, Wade H., Michigan City, Ind., assignor to Joy Manufacturing Company. Compressor control mechanism. Re. 23,246, July 4.
Winer, Bernard B.: *See*— Baudry, Rene A., and Winer.
Winer, Bernard B., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Dynamo-electric machine. 2,512,406, June 20.
Winer, Jacob M., New York, N. Y. Television antenna. 2,496,646, Feb. 7.
Winey, Lloyd S., Lancaster, Pa. Drinking fount. 2,496,030, Jan. 31.
Winfield, William S., Tonawanda, assignor to Colonial Radio Corporation, Buffalo, N. Y. Electrical automatic tuning unit. 2,524,281, Oct. 3.
Wing, Arthur K., Jr., Nutley, N. J., assignor to Radio Corporation of America. Filament structure. 2,522,419, Sept. 12.
Wing, Claude E., Richmond, Maine. Clothes hanger. 2,514,820, July 11.
Wing, Henry J., Milltown, N. J., assignor to Johnson & Johnson. Sterilizing products. 2,509,258, May 30.
Wing, L. J., Manufacturing Co., assignee: *See*— Lurcott, Winfred N.
Wing, Russell T., Excelsior, Minn. Dual-well fountain pen. 2,509,465, May 30.
Wing, Russell T., Excelsior, Minn. Fountain pen. 2,512,004, June 20.
Wingate, Phillip J., Collins Park, Del., and R. O. Ranck, Carney's Point, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Physically stable castor oil soluble Victoria blue BO and making it. 2,519,210, Aug. 15.
Wingblade, Loren M.: *See*— Weaver, Ruth K., and Wingblade.
Wingfoot Corporation, assignee: *See*— Braden, Vally N., and Ensley.
Bricker, Carl E., and Neff.
Burkley, Clement J.
Campbell, John F., and Riggs.
Carson, Clarence M.
Carson, Clarence M., and Snyder.
Carter, Raymond S., and Kimmich.
Cheyney, La Verne E.
Clifford, Albert M.
Clifford, Albert M., and Long.
Clunan, Albert B.
D'Ianni, James D.
Flory, Paul J.
Flory, Paul J., and Rabjohn.
Freeman, Harold A.
Gerstenslager, William H.
Glazer, Emmett J.
Gleim, Clyde E.
Haase, Jorgen I.
Hardman, Albert F.
Johnson, Theodore A., and Thompson.
Lammertse, Meindert.
Meador, Robert H., Jr.
Miller, Herman R., and Sohl.
Milone, Charles R.
Pace, Henry A.
Pigott, William T.
Rabjohn, Norman.
Sanderson, Clifford W.
Schaefgen, John R.
Snyder, James E.
Sturtevant, Mark J.
Swan, Fillmore D.
Vogel, Raymond H.
Wingquist, Sven G., Goteborg, Sweden. Universal joint. 2,532,433, Dec. 5.
Wingquist, Sven G., Goteborg, Sweden. Universal joint. 2,532,434, Dec. 5.
Wingren, Charles O., Pasadena, Calif. Involute gear. 2,509,660, May 30.
Winhelm, Adolph H., Webster Groves, Mo., and E. E. Doherty, Buford, Ga. Resin impregnation of a dialdehyde tanned hide. 2,516,283, July 25.
Winhelm, Adolph H., Webster Groves, Mo., and E. E. Doherty, Buford, Ga. Impregnating a dialdehyde tanned hide with a resin of urea, formaldehyde, and a primary amine. 2,516,284, July 25.
Wink, Inc., assignee: *See*— Lawton, James W.
Winkel, Jan Te: *See*— Beljers, Hugo G., Six, and Winkel.
Winkeljohn, Thomas H., Wabash, Ind., assignor to The General Tire and Rubber Company, Akron, Ohio. Finishing rubber articles. 2,533,653, Dec. 12.
Winkelmann, Paul W., South Bend, Ind. Window regulator with auxiliary manual control. 2,514,272, July 4.
Winkler, A. Stamberger, executrix: *See*— Winkler, Joseph F.
Winkler, Albert H., assignor to Bendix Aviation Corporation, South Bend, Ind. Pump. 2,513,833, July 4.
Winkler, Albert H., assignor to Bendix Aviation Corporation, South Bend, Ind. Charge forming device. 2,523,798, Sept. 26.
Winkler, Albert H., and E. O. Wirth, assignors to Bendix Aviation Corporation, South Bent, Ind. Engine control means. 2,503,930, Apr. 11.
Winkler, Alma S., executrix: *See*— Winkler, Joseph F.
Winkler, Carl J.: *See*— Winkler, Herman E. and C. J.
Winkler, Carl W., Clay Township, St. Joseph County, Ind. Surfacing material. 2,515,847, July 18.
Winkler, Elizabeth L., Great Neck, N. Y. Open out bed jacket. 2,528,630, Nov. 7.
Winkler, Elmer L., Collinsville, Ill. Stripper. 2,508,083, May 16.
Winkler, Gunnar: *See*— Cronvall, Lars P., and Winkler.
Winkler, Herman: *See*— Purdy, Rolland M., and Winkler.
Winkler, Herman E. and C. J., assignors to U. S. Machine Corporation, Lebanon, Ind. Space heater having heat-reflecting and air-heating deflectors. 2,516,285, July 25.
Winkler, Joseph F., deceased, Philadelphia, Pa.; A. S. Winkler, executrix of said J. F. Winkler, assignor to Winkler, Morgenthaler, Inc., Philadelphia, Pa. Combined refrigerant purifier and control apparatus. 2,512,758, June 27.
Winkler, Joseph F., deceased, Philadelphia, Pa.; A. S. Winkler, executrix, assignor to Winkler, Margenthaler, Inc., Philadelphia, Pa. Gas compressor. 2,517,367, Aug. 1
Winkler, Kaspar, & Co., assignee: *See*— Ammann, Alphons.
Winkler, Margenthaler, Inc., assignee: *See*— Winkler, Joseph F.
Winkler, Marion R., La Grange Park, assignor to J. P. Seeburg Corporation, Chicago, Ill. Automatic phonograph. 2,526,788, Oct. 24.
Winkler, Morgenthaler, Inc., assignee: *See*— Winkler, Joseph F.
Winkler, Orville R., Fort Worth, Tex. Portable livestock feeder. 2,500,889, Mar. 14.
Winks, John, and L. Fletcher, assignors to Lowell Specialty Company, Lowell, Mich. Spraying apparatus. 2,529,645, Nov. 14.
Winn, Abial, Valdosta, Ga. Combined clock and signal with time lapse indicator. 2,526,442, Oct. 17.
Winn, Oliver H., Baldwinsville, N. Y., assignor to General Electric Company. Alternating voltage regulator. 2,513,983, July 4.
Winn, Sidney B., Lapeer, Mich. Fifth wheel operating device. 2,519,090, Aug. 15.
Winn, Sidney B., Lapeer, Mich. Automatic trailer prop. 2,519,091, Aug. 15.
Winnemore, Julien F., Cambridge, Md. Garment hanger. 2,500,729, Mar. 14.
Winnen, Franklyn E.: *See*— Benjamin, Milton L., and Winnen.
Winner Equipment Company, assignee: *See*— Van Scoyk, Melvin W.
Winner, Inc., assignee: *See*— Fanning, Ralph R.
Winquist, Walter A., Norfolk, Va. Portable sun shelter. 2,499,897, Mar. 7.
Winrock, Thelma, assignee: *See*— Meany, Vincent J.
Winship, Ralph B., Montreal, Quebec, Canada. Deflector for refrigerator drip pans. 2,510,005, May 30.
Winskowicz, John A., assignor to Craig Machine, Inc., Danvers, Mass. File cabinet. 2,494,528, Jan. 10.
Winslow, Arthur F., Scotia, and E. W. Balis, Schenectady, N. Y., assignors to General Electric Company. Increasing the corrosion resistance of ferrous articles. 2,529,206, Nov. 7.
Winslow, Edward N., Chagrin Falls, Ohio. Kite. 2,530,641, Nov. 21.
Winslow, Edwin V., Jr., assignor to Publicker Industries Inc., Philadelphia, Pa. Vapor phase conversion of 1-alkynols. 2,524,865, Oct. 10.
Winslow, Edwin V., Jr., assignor to Publicker Industries Inc., Philadelphia, Pa. Conversion of acetylenic alcohols in the vapor phase. 2,524,866, Oct. 10.
Winslow, Leonard F., Richmond, Va., Pneumatic separator. 2,513,073, June 27.
Winslow, Paul H., Arlington, Mass. Current control system. 2,526,597, Oct. 17.
Winson, Jonathan, New York, N. Y. Reversible press. 2,503,572, Apr. 11.

Winsor, Edward H., Oakland, Calif. Candle. 2,516,441, July 25.
Winsor & Jerauld Manufacturing Company, assignee: *See*—
Jerauld, Frank C., and MacKnight.
Winstead, Robert W., Pasadena, Tex. Fluid pressure actuated tire bead loosening device. 2,506,007, May 2.
Winstead, Thomas W., Baltimore, Md. Ruffled sheeting and producing the same. 2,502,772, Apr. 4.
Winstead, Thomas W., Baltimore, Md. Making inflatable articles. 2,522,079, Sept. 12.
Winston, Judith, and F. L. Weinstein, Houston, Tex., assignors to Standard Oil Development Company. Incorporating gas into clay slurries. 2,507,131, May 9.
Winston, Love, Chicago, Ill. Hair straightening device. 2,528,291, Oct. 31.
Winston, Sue M., assignee: *See*—
Manning, John R.
Winter, Annis R., Fort Worth, Tex. Bag type garment finisher. 2,515,848, July 18.
Winter, Courtney P., Chambersburg, Pa., assignor to the United States of America, as represented by the Secretary of the Navy. Marine anchorage means. 2,529,271, Nov. 7.
Winter, George E., assignee: *See*—
Bostian, Homer C.
Winter, Harry D., Albany, Calif. Overhead rolling door assembly. 2,520,618, Aug. 29.
Winter, John R., Jr., assignor to J. R. Winter, Sr., Detroit, Mich. Rocker arm lubrication. 2,509,661, May 30.
Winter, John R., Jr., assignor to J. R. Winter, Sr., Detroit, Mich. Rocker arm. 2,521,621, Sept. 5.
Winter, John R., Jr., assignor to J. R. Winter, Sr., Detroit, Mich. Rocker arm for internal-combustion engines. 2,522,326, Sept. 12.
Winter, John R., Jr., assignor to J. R. Winter, Sr., Detroit, Mich. Rocker arm. 2,523,489, Sept. 26.
Winter, John R., Sr., assignee: *See*—
Winter, John R., Jr.
Winter, Lester L., Lakewood, Ohio, assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Cleaning carbon articles. 2,527,666, Oct. 31.
Winter, Max, Reading, Pa. Fire extinguisher. 2,510,269, June 6.
Wintercorn, Andrew F., assignee: *See*—
Beckovich, Wesley.
Schofield, Earl L.
Wintergreen, Charles J., Chicago, Ill. Garment hanger. 2,527,869, Oct. 31.
Winterhalter, Martin, Morcote, near Lugano, Switzerland. Separable fastener. 2,496,925, Feb. 7.
Winterhalter, Martin, Morcote, near Lugano, Switzerland. Separable fastener. 2,496,926, Feb. 7.
Winterhalter, Martin, Morcote, Switzerland. Apparatus and method for the manufacture of separable fasteners. 2,516,086, July 18.
Winterhalter, Martin, Morcote, Switzerland. End stop for slide fasteners. 2,522,327, Sept. 12.
Winterhalter, William E., Coshocton, Ohio, and E. E. Vonada, McKeesport, Pa. Electric control. 2,494,852, Jan. 17.
Winterhalter, William E., Coshocton, Ohio, assignor to Carnegie-Illinois Steel Corporation. Contact roll for electroplating. 2,526,312, Oct. 17.
Winterhalter, William E., Coshocton, and E. E. Vonada, Cleveland, Ohio. Pickup circuit. 2,535,978, Dec. 26.
Wintermute, Harry A., Plainfield, N. J., assignor to Research Corporation, New York, N. Y. Gas cleaning apparatus. 2,506,402, May 2.
Winternitz, Paul F., assignor, by mesne assignments, to Allied Process Corporation, New York, N. Y. Direct production of lithium borohydride. 2,532,217, Nov. 28.
Winters & Crampton Corporation, assignee: *See*—
Anderson, Lloyd L., and Johnson.
Winters, Donald C.: *See*—
Edwards, Donald V., and Winters.
Winters, Thomas D., assignor to Multenna Corporation, Philadelphia, Pa. Multiple television system. 2,523,173, Sept. 19.
Winters, William P., Cincinnati, Ohio, assignor to American Can Company, New York, N. Y. Sheet feeding and separating device. 2,499,439, Mar. 7.
Wintersteiner, Oskar, New Brunswick, N. J., assignor to E. R. Squibb & Sons, New York, N. Y. d-(α)-penicilloates. 2,506,696, May 9.
Wintersteiner, Oskar, and J. Fried, New Brunswick, N. J., assignors to E. R. Squibb & Sons, New York, N. Y. Obtaining highly-purified streptomycin acid-addition salts. 2,501,014, Mar. 21.
Winterton, Omni O., Roosevelt, Utah. Vehicle end gate. 2,506,849, May 9.
Winther, Anthony, Kenosha, Wis., assignor to Martin P. Winther, Waukegan, Ill., as trustee. Control apparatus for polyphase systems. 2,498,057, Feb. 21.
Winther, Anthony, Kenosha, Wis., assignor to M. P. Winther, Waukegan, Ill., as trustee. Dynamoelectric apparatus. 2,524,153, Oct. 3.
Winther, Martin P.: *See*—
Jaeschke, Ralph L., and Winther.
Winther, Martin P., assignee, trustee: *See*—
Winther, Anthony.
Winther, Martin P., Waukegan, Ill., assignor to himself as trustee. Dynamoelectric machine containing a magnetic fluid mixture. 2,525,571, Oct. 10.
Winthrop-Atkins Co., Inc., assignee: *See*—
Nichols, Gordon E.
Winthrop-Stearns Inc., assignee: *See*—
Albertson, Noel F., and Archer.
McPhee, Warren D.
Wintle, Harley C., Salina, N. Y., assignor to General Electric Company. Clock timer. 2,534,155, Dec. 12.
Wintle, Malcolm F., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Wave translating circuits. 2,505,024, Apr. 25.
Wintle, Thomas D. G.: *See*—
Besag, Ernst, Hill, and Wintle.
Hill, Walter E., and Wintle.
Winton, Franklin W., Stratford, assignor to The Warner Brothers Company, Bridgeport, Conn. Display and dispensing device. 2,519,949, Aug. 22.
Winton, Lewis B., Greenwich, Conn., assignor, by mesne assignments, to Jerguson Gage & Valve Company, Somerville, Mass. Differential pressure indicator. 2,500,443, Mar. 14.
Winzen, Otto C., Minneapolis, Minn., assignor to General Mills, Inc. Balloon construction. 2,526,719, Oct. 24.
Winzen, Otto C. and V. H., Minneapolis, Minn. Aerial delivery apparatus. 2,501,559, Mar. 21.
Winzen, Vera H.: *See*—
Winzen, Otto C. and V. H.
Winzler, Robert A., and J. Vaccaro, Fresno, Calif. Wheel and tire changing device. 2,525,437, Oct. 10.
Wipac Development Limited, assignee: *See*—
Luttmer, Willem.
Wiper, Arnold: *See*—
Wiper, Thomas I. and A., and Truskey.
Wiper, Thomas I. and A., and G. R. Truskey, Leamington, Ontario, Canada. Potato top puller. 2,528,631, Nov. 7.
Wippert, James A., Los Angeles, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind. Amplifier bias system. 2,504,480, Apr. 18.
Wiprud, Clarence W., Corvallis, Oreg. Dental appliance. 2,535,005, Dec. 19.
Wiprud, Roy B., Duluth, Minn. Therapeutic apparatus. 2,507,393, May 9.
Wirebaugh, David W., Cincinnati, Ohio. Compensating center support. 2,523,931, Sept. 26.
Wirecorder Corporation, assignee: *See*—
McLouth, Donald B., Neff, and Haboush.
Neff, Mortimer A.
Wiremold Company, The, assignee: *See*—
Murphy, Robert H.
Wirfel, James W., Brooklyn, N. Y. Bingo game frame. 2,530,929, Nov. 21.
Wirostko, Nick, Jr.: *See*—
Franson, Perry, and Wirostko, Jr.
Wirsching, Robert E., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electroacoustic transducer. 2,506,624, May 9.
Wirt, John R., and W. H. Sheley, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Welding machine. 2,515,106, July 11.
Wirtanen, Axel M., Eveleth, Minn. Vacuum rupture operated pump. 2,494,529, Jan. 10.
Wirtel, Arthur F., Glendale, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,501,015, Mar. 21.
Wirtel, Arthur F., Glendale, and C. M. Blair, Jr., Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Extraction of penicillin. 2,505,374, Apr. 25
Wirth, Albert E.: *See*—
Gregg, Robert G., and Wirth.
Wirth, Anthony F., University Heights, Ohio. Paintbrush embodying handle drip chamber. 2,493,329, Jan. 3.
Wirth, Armin, Zurich, Switzerland. Pendulum-weight apparatus. 2,508,589, May 23.
Wirth, Emil O.: *See*—
Winkler, Albert H., and Wirth.
Wirth, Emil O., assignor to Bendix Aviation Corporation, South Bend, Ind. Charge forming device. 2,499,554, Mar. 7.
Wirth, Emil O., and F. Barfod, assignors to Bendix Aviation Corporation, South Bend, Ind. Charge forming device. 2,533,863, Dec. 12.
Wirth, Henry E., Worthington, Ohio, assignor, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission. Valve. 2,501,461, Mar. 21.
Wirth, Lawrence A., Evansville, Ind. Grease gun bracket. 2,518,412, Aug. 8.
Wirth, Otto, assignor to Micafil Ltd., Works For Electrical Insulation and Winding Machines, Zurich, Switzerland. Winding slot insulation for electrodynamic machines. 2,508,850, May 23.
Wirth, Walter V.: *See*—
Lubs, Herbert A., Wirth, Spiegler, and Bridgman.
Wirtz, Milton S.: *See*—
Erpf, Stanley F., Dietz, and Wirtz.
Wirz, A. H., Inc., assignee: *See*—
Darlington, Henry S.
Lay, John L.
Wisconsin Alumni Research Foundation, assignee: *See*—
Johnson, William S., Petersen, and Gutsche.
Wisconsin Malting Company, assignee: *See*—
Erlich, Victor L.

Wise, Elmer L., Bridgeport, Conn., assignor to Underwood Corporation, New York, N. Y. Ribbon vibrating mechanism for typewriting machines. 2,498,781, Feb. 28.

Wise, Eugene P., assignor of one-half to P. L. Stolz, Kansas City, Mo. Automatic injector. 2,526,920, Oct. 24.

Wise, John K., Evanston, assignor to United States Gypsum Company, Chicago, Ill. Calcined gypsum castings and making. 2,517,070, Aug. 1.

Wise, Raleigh J., Dunellen, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Facsimile recording apparatus with scanner inside drum. 2,511,892, June 20.

Wise, Raleigh J., Dunellen, R. D. Parrott, West New York, and G. H. Ridings, Summit, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Facsimile transmission apparatus. 2,503,311, Apr. 11.

Wise, Solomon, Shaker Heights, Ohio. Bayonet closure and adapter therefor. 2,525,162, Oct. 10.

Wiseley, Don C., Los Angeles, Calif. Alarm for hearing aid users. 2,517,368, Aug. 1.

Wiseman, James, Westend, Calif., assignor to West End Chemical Company. Manufacture of boric acid. 2,531,182, Nov. 21.

Wiseman, James, L. A. Blackmun, and H. D. Hellmers, Westend, Calif., assignors to West End Chemical Company. Process for treating searles lake brine. 2,528,481, Oct. 31.

Wiseman, James V., L. A. Blackmun, and H. D. Hellmers, Westend, Calif., assignors to West End Chemical Company. Producing anhydrous sodium sulfate. 2,504,097, Apr. 11.

Wiseman, Park A.: *See*—
McBee, Earl T., and Wiseman.

Wiseman, Walter S., assignor to The Leland Electric Company, Dayton, Ohio. Quick reversing electric motor. 2,509,898, May 30.

Wisentaner, Frank R., assignee: *See*—
Villane, Michael P., Dailey, and Wisentaner.

Wishart, Harold B., Gary, Ind., assignor to Carnegie-Illinois Steel Corporation. Heat-treating wheels. 2,535,110, Dec. 26.

Wishart, Harold B., Gary, Ind., assignor to Carnegie-Illinois Steel Corporation. Apparatus for heat-treating wheels. 2,535,111, Dec. 26.

Wishart, Herbert W., University City, Mo., assignor to Curtiss-Wright Corporation. Vulnerability valve. 2,493,906, Jan. 10.

Wisman, Franklin O.: *See*—
Reek, Royal J., and Wisman.

Wisman, Franklin O., assignor to Bendix Aviation Corporation, South Bend, Ind. Generator. 2,503,017, Apr. 4.

Wisman, Franklin O., assignor to Bendix Aviation Corporation, South Bend, Ind. Generator. 2,509,662, May 30.

Wisnasky, Herschel L.: *See*—
De Ment, Harold E., and Wisnasky.

Wisner, Joseph F., Chicago, Ill., assignor to International Harvester Company. Loading structure for shipping vehicles. 2,518,413, Aug. 8.

Wisner, Raymond R., Oak Ridge, Tenn., assignor, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission. Grounding cables. 2,531,183, Nov. 21.

Wisner, Robert M.: *See*—
Stedman, Cecil K., Price, and Wisner.

Wisner, William R.: *See*—
Dockerty, Stuart M., Gray, Romig, and Wisner.

Wisney, Bruno B., Detroit, Mich. Kite. 2,520,704, Aug. 29.

Wisniewski, Edward J., Buffalo, N. Y. Fitting for connecting siding members. 2,495,303, Jan. 24.

Wisoff, William, Brooklyn, N. Y. Sounding figure wheel toy. 2,494,681, Jan. 17.

Wissenbach, Charles F.: *See*—
Fickett, Ernest L., and Wissenbach.

Wissinger, Kenneth C., Altoona, Pa. Gang form for casting blocks. 2,523,349, Sept. 26.

Wissler, William A., Niagara Falls, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Welding rod. 2,505,077, Apr. 25.

Wissler, William A., Niagara Falls, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Nickel base alloy. 2,521,273, Sept. 5.

Wissman, Reuben E., assignor to The Minster Machine Company, Minster, Ohio. Combination brake and clutch unit. 2,505,600, Apr. 25.

Wissmann, Joseph T.: *See*—
Mueller, William A., and Wissmann.

Wissmiller, Ivan L., Chicago, Ill., assignor to Chicago Bridge & Iron Company. Vessel for storage of liquids at low temperatures. 2,495,798, Jan. 31.

Wissner, Benjamin F., New York, N. Y. Citrus fruit squeezer with rotating and reciprocating cup. 2,497,335, Feb. 14.

Wissner, Benjamin F., New York, N. Y. Record changing device for phonographs. 2,515,283, July 18.

Wist, Edward B.: *See*—
Wilson, Joseph G., and Wist.

Wiswell, Arthur M., and M. O. Ream, Roseburg, Oreg. Wheel block. 2,522,328, Sept. 12.

Witbrod, Fred J., Chicago, Ill. Magnetic chuck adapter. 2,501,803, Mar. 28.

Witchger, Eugene J., assignor to The Lufkin Rule Co., Saginaw, Mich. Demountable adjusting means for machine gauges. 2,518,414, Aug. 8.

Witchger, Eugene S., Grosse Pointe Woods, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio. Internal gear pump. 2,513,984, July 4.

Witco Chemical Company, assignee: *See*—
Packer, Howard.

Withall, Harry A., assignor to Enterprise Railway Equipment Company, Chicago, Ill. Closure for railroad car hopper discharge chutes. 2,512,451, June 20.

Witherell, Robert R.: *See*—
Kammell, Kemper M., and Witherell.

Withey, L. H., Company, assignee: *See*—
Clore, John T.

Withrow, William E.: *See*—
Hilferty, Daniel J., Withrow, and Ringwalt.

Witkowski, Raymond J., Syracuse, N. Y., assignor to General Electric Company. Electrically bonded shockmount. 2,523,083, Sept. 19.

Witmer, Paul B., Lancaster, Pa. Window regulator with variable counterbalance. 2,529,986, Nov. 14.

Witherspoon, John C., *See*—
Kay, Charles M., and Witherspoon.

Witschi, Frederick, New York, N. Y. Apparatus for waving hair. 2,534,649, Dec. 19.

Witt, Earney W., Windsor, Victoria, assignor to Spiral Tyre Development Company Limited, Melbourne, Victoria, Australia. Machine for forming pneumatic tire carcasses. 2,518,967, Aug. 15.

Witt, William S., Cicero, Ill. Necktie hanger. 2,510,452, June 6.

Wittcoff, Harold: *See*—
Roach, John R., and Witcoff.

Wittcoff, Harold, Minneapolis, Minn., assignor to General Mills, Inc. Preparation of 2,2,6,6-tetramethylolcyclohexanol. 2,493,733, Jan. 3.

Wittcoff, Harold, and J. R. Roach, Minneapolis, Minn., assignors to General Mills, Inc. Polyglycerols. 2,520,670, Aug. 29.

Wittcoff, Harold, and J. R. Roach, Minneapolis, Minn., assignors to General Mills, Inc. Polyhydroxy compounds. 2,520,671, Aug. 29.

Wittcoff, Harold, and J. R. Roach, Minneapolis, Minn., assignors to General Mills, Inc. Synthetic esters. 2,527,870, Oct. 31.

Witte, Charles, Ventnor City, N. J. Fishing lure. 2,496,927, Feb. 7.

Witte, Emil A., A. M. Holt, and H. P. Martin, Milwaukee, Wis. Can opener. 2,522,420, Sept. 12.

Witte, Frank J., Ellwood City, Pa. Mechanism for ejecting articles from elevators. 2,535,979, Dec. 26.

Witte, Michael, Albany, and C. J. Lind, Buffalo, assignors to Allied Chemical & Dye Corporation, New York, N. Y. Preparing mononitrofuran compounds. 2,502,114, Mar. 28.

Wittek, Leslie, Belleville, assignor to Tung-Sol Lamp Works, Inc., Newark, N. J. Manufacture of electric incandescent lamps. 2,509,259, May 30.

Wittek Manufacturing Co., assignee: *See*—
Biba, Edward, Jr.
Stade, Bertil.

Wittel, Otto, assignor to Eastman Kodak Company, Rochester, N. Y. Camera lens attaching and clamping mechanism. 2,500,050, Mar. 7.

Wittel, Otto, assignor to Eastman Kodak Company, Rochester, N. Y. Film loop former. 2,511,232, June 13.

Wittell, Otto, and V. H. Jungjohann, assignors to Eastman Kodak Company, Rochester, N. Y. Film-feeding mechanism. 2,521,957, Sept. 12.

Witten, Benjamin, Baltimore, Md., assignor to the United States of America as represented by the Secretary of War. Electrolytic production of cacodyl. 2,531,487, Nov. 28.

Wittenberg, Hubert H., Lancaster, Pa., assignor to Radio Corporation of America. Gaseous electron tube circuits. 2,506,186, May 2.

Wittenberg, Margaret H., Millburn, N. J., assignor to Jantzen Knitting Mills, New York, N. Y. Wearing apparel. 2,493,179, Jan. 3.

Wittenberg, Margaret H., Millburn, N. J., assignor, by mesne assignments, to Jantzen Knitting Mills Inc., Portland, Oreg. Foundation garment. 2,523,409, Sept. 26.

Wittenmyer, Carlos, Mount Clemens, Mich. Automatic typewriter. 2,493,709, Jan. 3.

Witter, Lawrie L., assignee: *See*—
Atkins, Thomas R.
Hodgkins, Charles E.

Wittgren, Charles, Chicago, Ill., assignor to The Plastilac Corporation. Transfer. 2,496,325, Feb. 7.

Wittle Mfg. Co., Inc., assignee: *See*—
Preston, Cecil W.

Wittle, William W., Chicago, Ill. Electric space heater. 2,510,615, June 6.

Wittke, Dale R., Minneapolis, Minn. Automotive trailer. 2,494,421, Jan. 10.

Wittke, Emil P., St. Helens, Oreg. Mold for making hollow concrete blocks. 2,532,049, Nov. 28.

Wittliff, Herman A., Jr., San Antonio, assignor, by mesne assignments to R. W. Carter, Luling, Tex. Receptacle. 2,523,981, Sept. 26.

Wittlin, Albert, assignee: *See*—
Hoesel, Anthony F.
Wittlin, Albert, Chicago, Ill. Manual coupler. 2,506,286, May 2.
Wittlinger, Leonard M., Flint, assignor to General Motors Corporation, Detroit, Mich. Shielded ignition cable. 2,520,705, Aug. 29.
Wittman, Richard C., Emporium, Pa. Cord extension device. 2,503,018, Apr. 4.
Wittman, Sylvester J., *See*—
Meiklejohn, Thomas W., Jr., and Wittman.
Wittman, Sylvester J., Oshkosh, Wis. Airplane landing gear. 2,498,976, Feb. 28.
Wittnebert, Fredrick R., Chicago, Ill., assignor, by mesne assignments, to The Parker Pen Company, Janesville, Wis. Fountain pen. 2,522,553, Sept. 19.
Witts, Glenn H., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Remote control device. 2,531,241, Nov. 21.
Wityaz, William, and F. Kendra, Chicago, Ill. Storm sash ventilator and deflector. 2,529,792, Nov. 14.
Witzel, Ernst, assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Burner control system and control means therefor. 2,506,403, May 2.
Witzel, Ernst, assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Safety shutoff control for plural pilot gaseous fuel burner systems. 2,527,286, Oct. 24.
Wixon, Paul E., Reisterstown, and C. E. Chapman, Baltimore, Md., assignors to J. Shapiro. Glue applying apparatus for paper cup making machines. 2,521,110 Sept. 5.
Wobker, Burle F., E. L. Sloan, and P. P. Briggs, Bartlesville, Okla., assignors to Phillips Petroleum Company. Catalyst vessel. 2,505,851, May 2.
Wochos, Wenzel M., Jr.: *See*—
Ensign, George G., Lawson, Schaefer, and Wochos.
Wockenfuss, William, Union, N. J., assignor to Control Instrument Company, Inc., New York, N. Y. Statistical record verifying device. 2,499,617, Mar. 7.
Wockenfuss, William, Union, N. J., assignor to Control Instrument Company, Inc., Brooklyn, N. Y. Card cutter and printer. 2,521,435, Sept. 5.
Wodetzky, Elmer, Lynbrook, N. Y. Shaping machine. 2,505,815, May 2.
Woelfer, Frank C., assignor to Balcrank, Inc., Cincinnati, Ohio. Lubricant pump. 2,521,671, Sept. 5.
Woeller, Erich O., assignor to Bundy Tubing Company, Detroit, Mich. Device for sizing the ends of tubing. 2,535,339, Dec. 26
Woermbke, Theodore R., Elmira, N. Y. Light generator for bicycles or the like. 2,511,489, June 13.
Woerner, Rudolph C., Homewood, Ill., assignor to Sinclair Refining Company, New York, N. Y. Extractive distillation process. 2,494,274, Jan. 10.
Wohinc, Louie, assignor to Weston Glass Company, Weston, W. Va. Relatively adjustable gas burner for burning-off glassware. 2,513,542, July 4.
Wohlers, Herbert C., and T. C. Davis, assignors to Michigan Chemical Corporation, St. Louis, Mich. DDT suspension. 2,521,318, Sept. 5.
Wohlfarth, John C., Harrisburgh, Pa., assignor to Bethlehem Steel Company. Duplex fluid strainer. 2,505,375, Apr. 25.
Wohlgemuth, Fritz: *See*—
Spiro, Peter, and Wohlgemuth.
Wohlman, Beatrice, Forest Hills, N. Y. Foundation garment crotch. 2,522,008, Sept. 12.
Wohlman, Beatrice, Forest Hills, N. Y. Foundation garment with crotch therefor. 2,522,009, Sept. 12.
Woltovitch, Peter S., Windsor, Conn. Photographic film holder for use in developing. 2,498,058, Feb. 21.
Wojakowski, John, Chicago, Ill. Rolling shelf. 2,494,221, Jan. 10.
Wojciechowski, Bogumil M., assignor to Western Electric Company, Incorporated, New York, N. Y. Differential detector. 2,498,103, Feb. 21.
Wolcott, Frank E., Jr., West Hartford, assignor to The Silex Company, Hartford, Conn. Filter for coffee makers. 2,495,996, Jan. 31.
Wolcott, Glenn W., assignor to United Aircraft Products, Inc., Dayton, Ohio. Plural-way cock. 2,506,534, May 2.
Wold, John S., Schenectady, N. Y. Underwater goggle. 2,524,245, Oct. 3.
Wold, Russell L., Lihue, Kauai, territory of Hawaii. Irrigation scoop. 2,527,046, Oct. 24.
Wold, Russell L., Lihue, Kauai, territory of Hawaii. Irrigation system. 2,527,047, Oct. 24.
Wold, Russell L., Lihue, Kauai, territory of Hawaii. Irrigation scoop. 2,527,048, Oct. 24.
Wold, Thomas F., Portland, Oreg. Fish lure. 2,493,431, Jan. 3.
Wolf, Alexander, Houston, Tex., assignor to Texaco Development Corporation, New York, N. Y. Seismic exploration system for determination of strata dips. 2,496,648, Feb. 7.
Wolf, Alfred A., Dallastown, Pa. Backlash compensator. 2,531,488, Nov. 28.
Wolf, Andrew J., H. F. Moller, and W. M. Crook, assignors to Reed Roller Bit Company, Houston, Tex. Valve. 2,531,759, Nov. 28.
Wolf, Carl R., Denver, Colo. Magnetic game device. 2,528,938, Nov. 7.
Wolf, Charles, assignor to Famous Children's Wear, Inc., New York, N. Y. Child's garment with inner moisture-proof pants. 2,522,421, Sept. 12.
Wolf, Curtis M., Greenville, Ohio. Scale-light switch. 2,495,562, Jan. 24.
Wolf, Donald E., Franklin Township, Somerset County, assignor to Merck & Co., Inc., Rahway, N. J. Penicilloic acid-G and preparation thereof. 2,511,390, June 13.
Wolf, Donald E., Franklin Township, Somerset County, and K. Folkers, Plainfield, assignors to Merck & Co., Inc., Rahway, N. J. Compounds of the imidazolidone series and making them. 2,512,512, June 20.
Wolf, Donald E., Rahway, and K. Folkers, Plainfield, assignors to Merck & Co., Inc., Rahway, N. J. Diacylated pteroic acid and preparing same. 2,515,483, July 18.
Wolf, Donald E., Franklin Township, Somerset County, and K. Folkers, Plainfield, assignors to Merck & Co., Inc., Rahway, N. J. Biotin aliphatic amides and their preparation. 2,519,530, Aug. 22.
Wolf, Ernest L., Chicago, Ill. Carbonated liquid discharge device. 2,517,154, Aug. 1.
Wolf, Frank J., Westfield, assignor to Merck & Co., Inc., Rahway, N. J. Recovering vitamin B_{12}. 2,530,416, Nov. 21.
Wolf, Frank J., Westfield, and K. Pfister, III, Summit, assignors to Merck & Co., Inc., Rahway, N. J. 3-sulfanilamido-benzotriazines-1,2,4 and their preparation. 2,496,364, Feb. 7.
Wolf, Howard O., Grand Junction, Colo. Insulator. 2,497,251, Feb. 14.
Wolf, Irving: *See*—
Cook, Alton A., and Wolf.
Wolf, James M., Boston, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Broad band directional coupler. 2,512,191, June 20.
Wolf, Joseph, Brooklyn, N. Y. Kite attachment, clip, auxiliary retainer, and release mechanism. 2,522,422, Sept. 12.
Wolf, Joseph, Hood River, Oreg. Combination chain saw servicing tool. 2,529,646, Nov. 14.
Wolf, Just, Paris, France. Toy gun having a rotatable magazine. 2,509,552, May 30.
Wolf, Lester J., Audubon, N. J., assignor to Radio Corporation of America. Directive antenna system. 2,509,283, May 30.
Wolf, Lester J., Audubon, N. J., assignor to Radio Corporation of America. Making concentric transmission lines. 2,510,358, June 6.
Wolf, Lloyd J., assignor to Twin Disc Clutch Company, Racine, Wis. Variable speed power transmission. 2,494,466, Jan. 10.
Wolf, Marietta T., Willow Grove, Pa. Infant's garment. 2,531,716, Nov. 28.
Wolf, Monroe, New Orleans, La. Surgical clamp. 2,535,559, Dec. 26.
Wolf, Raymond H., Hubertus, Wis. Lawn mower. 2,527,472, Oct. 24.
Wolf, Richard H., Gary, Ind. Swing spout faucet. 2,504,610, Apr. 18.
Wolf, Robert A.: *See*—
Bowers, Herbert L., and Wolf.
Wolf, Robert A., Kenmore, assignor to Bell Aircraft Corporation, Wheatfield, Niagara County, N. Y. Aircraft power unit converting fluid energy into static pressure energy. 2,496,509, Feb. 7.
Wolf, William A., Medina, Wis. Tail gate actuating mechanism. 2,530,346, Nov. 14.
Wolf X-Ray Products, Inc., assignee: *See*—
Lubow, Morris.
Wolfe, Bernard J.: *See*—
Bing, Herbert A., and Wolfe.
Wolfe, Charles M., Glendora, assignor to Aerojet Engineering Corporation, Azusa, Calif. Metallic film electrical pickup. 2,494,109, Jan. 10.
Wolfe, Charles T., assignee: *See*—
Lewis, Frank B., Jr., and Schmeling.
Wolfe, Charles V., assignor to E. C. Atkins and Company, Indianapolis, Ind. Serpentine spring. 2,517,269, Aug. 1.
Wolfe, Charles V., assignor to E. C. Atkins and Company, Indianapolis, Ind. Pressure relief mechanism. 2,519,990, Aug. 22.
Wolfe, Charles V., assignor to E. C. Atkins and Company, Indianapolis, Ind. Chain saw frame. 2,532,981, Dec. 5.
Wolfe, Clyde, Wilmington, N. C. Garment washing machine. 2,509,383, May 30.
Wolfe, Frank H., Jr., Houston, Tex. Helicopter automobile. 2,514,822, July 11.
Wolfe, Fred E., Morgantown, W. Va. Turboscrew pump. 2,516,442, July 25.
Wolfe, Fred E., Morgantown, W. Va. Gate valve. 2,535,525, Dec. 26.
Wolfe, H. Hix, assignor to The Dayton Pump and Manufacturing Company, Dayton, Ohio. Watering or feeding trough for animals. 2,501,980, Mar. 28.
Wolfe, H. Hix, assignor to The Dayton Pump and Mfg. Company, Dayton, Ohio. Extensible gasoline dispensing hose and associated mechanism. 2,511,391, June 13.
Wolfe, Halley, North Hollywood, Calif., assignor to Western Electric Company, Incorporated, New York, N. Y. Multiple gap erase head for magnetic recording. 2,535,712, Dec. 26.

Wolfe, Harry H., assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Railway car coupler. 2,496,425, Feb. 7.

Wolfe, Helen C., Cincinnati, Ohio. Scouring attachment for electric mixers. 2,496,972, Feb. 7.

Wolfe, Helen E., Arcadia, Calif. Grafting knife. 2,533,657, Dec. 12.

Wolfe, Hugh O. Stephenville, and C. E. Kessler, Mineral Wells, Tex. Panel for use as a gate. 2,515,754, July 18.

Wolfe, John K.: *See*—
Miller, Robert W., and Wolfe.
Sullivan, Miles V., and Wolfe.

Wolfe, John R., assignor, by mesne assignments, to The Stepan Chemical Company, Inc., Chicago, Ill. Liquid dispenser. 2,499,205, Feb. 28.

Wolfe, John W., Palisades Park, assignor to Super Electric Products Corp., Jersey City, N. J. Condenser construction for use with transformers. 2,519,009, Aug. 15.

Wolfe, Lester, Harbourton, N. J. Magnetic compass. 2,525,848, Oct. 17.

Wolfe, Raymond M., Louisville, Ky. Combined hood, robe, and self-carrier. 2,513,074, June 27.

Wolfe, Wallace V., Beverly Hills, Calif., assignor to Radio Corporation of America. Plural track sound reproduction. 2,499,618, Mar. 7.

Wolfe, William F., Decatur, Ga. Baseball game. 2,530,187, Nov. 14.

Wolfersperger, John J., Milwaukee, Wis. Pressure-type burner and burning fuel. 2,499,207, Feb. 28.

Wolfert, Edward R., Springfield, Mass., assignor to the United States of America as represented by the Secretary of the Navy. Erector magnet cutout. 2,525,108, Oct. 10.

Wolferz, Alfred H., Hillside, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Coil support for electrical measuring instruments. 2,510,733, June 6.

Wolff, Fred H., Jr., assignor to Young Radiator Company, Racine, Wis. Bonding three or more metal units. 2,522,329, Sept. 12.

Wolff, Frederick J., Jr., assignor to Eastman Kodak Company, Rochester, N. Y. Optical projection system for inspecting alignment of typewriter type. 2,500,051, Mar. 7.

Wolff, George, assignor to John Dritz & Sons, New York, N. Y. Hand tool for making cloth-covered buttons. 2,520,351, Aug. 29.

Wolff, H., Book Manufacturing Co., Inc., assignee: *See*—
Wuko, Emil.

Wolff, Hans: *See*—
Langlois, David P., and Wolff.

Wolff, Hans, and W. W. Moyer, assignors to A. E. Staley Manufacturing Company, Decatur, Ill. Dimers of angelica lactone. 2,493,373, Jan. 3.

Wolff, Hans, and W. W. Moyer, assignors to A. E. Staley Manufacturing Company, Decatur, Ill. Hydrogenated dimers of angelica lactone. 2,493,374, Jan. 3.

Wolff, Hans, and W. W. Moyer, assignors to A. E. Staley Manufacturing Company, Decatur, Ill. Lactone acids and derivatives thereof. 2,493,375, Jan. 3.

Wolff, Harold I., Houston, Tex., assignor to Shell Development Company, San Francisco, Calif. Amorphous silica and making same. 2,535,659, Dec. 26.

Wolff, Harry J. D., Van Nuys, assignor to E. A. Huntley, Burbank, Calif. Line clamp. 2,493,907, Jan. 10.

Wolff, Hubert G.: *See*—
Framme, Richard J., and Wolff.

Wolff, Irving, Merchantville, N. J., assignor to Radio Corporation of America. Position finder. 2,493,097 Jan. 3.

Wolff, Irving, Princeton, N. J., assignor to Radio Corporation of America. Radio navigation system for affording selective display of traffic information. 2,517,752, Aug. 8.

Wolff, Irving, Princeton, N. J., assignor to Radio Corporation of America. Radar system providing plan position indicator and elevation views. 2,518,968, Aug. 15.

Wolff, Irving, Princeton, N. J., assignor to Radio Corporation of America. Radar system. 2,525,328, Oct. 10.

Wolff, Irving, Princeton, N. J., assignor to Radio Corporation of America. Radio navigation system. 2,528,202, Oct. 31.

Wolff, Irving, Princeton, and P. J. Herbst, Moorestown, N. J., assignors to Radio Corporation of America. Pulse echo altimeter with mechanically driven indicator. 2,513,988, July 4.

Wolff, Mahlon H., Los Angeles, Calif. Clutch. 2,508,558, May 23.

Wolff, Otto E., assignor to Polaroid Corporation, Cambridge, Mass. Self-developing magazine and film unit. 2,495,112, Jan. 17.

Wolff, Otto J., Rapid City, S. Dak. Wool sacker. 2,505,453, Apr. 25.

Wolff, Paul A., Hoboken, N. J., assignor to General Baking Company, New York, N. Y. Pressure extrusion apparatus. 2,499,206, Feb. 28.

Wolff, Robert L.: *See*—
White, Herbert L., Rietz, and Wolff.

Wolff, Robert L., and H. J. Glueckstein, assignors to Globe Union Inc., Milwaukee, Wis. Electrical switch and variable resistor for miniature electrical apparatus. 2,499,711, Mar. 7.

Wolford, Walter L., assignor to Clorox Chemical Co., Oakland, Calif. Apparatus for applying bottle collars. 2,535,473, Dec. 26.

Wolfram, Edward L., Buffalo, N. Y. Cleaning azo printed regenerated cellulose gel with hydrated alumina. 2,502,911, Apr. 4.

Wolfram, John N., South Euclid, assignor to The Parker Appliance Company, Cleveland, Ohio. Tube coupling. 2,496,510, Feb. 7.

Wolfrom, Melville L., Columbus, Ohio, and B. W. Lew, Wilmington, Del., assignors to Ohio State University Research Foundation, Columbus, Ohio. Chromatographic separation of carbohydrates. 2,524,414, Oct. 3.

Wolfrom, Melville L., and W. W. Binkley, assignors to Ohio State University Research Foundation, Columbus, Ohio. Chromatographic separation of carbohydrates. 2,504,169, Apr. 18.

Wolfson, Joseph, Hartford, Conn. Mixing device. 2,509,122, May 23.

Wolfson, Samuel A., Baltimore, assignor to The National Plastic Products Company, Odenton, Md. Molded luggage handle. 2,517,369, Aug. 1.

Woll, Harry J.: *See*—
York, Raymond A., and Woll.

Woll, Richard F., Buffalo, N. Y., and H. T. Walton, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Motor ventilation. 2,508,207, May 16.

Wollard, Jacques, New York, N. Y. Electrical switch. 2,519,726, Aug. 22.

Wolle, William P. O.: *See*—
Smart, Miles J., and Wolle.

Wollensack, Clifford N., New Haven, Conn., assignor to American Telephone and Telegraph Company. Gaff guard for linemen's climbers. 2,497,710, Feb. 14.

Wollensak Optical Company, assignee: *See*—
Pirwitz, Friedrich A. G.

Woller, Edward E.: *See*—
Johnson, Charles E., and Woller.

Woller, Edward E., Kenosha, Wis., assignor to Simmons Company, New York, N. Y. Wire helix-forming core. 2,513,611, July 4.

Woller, Edward E., assignor to Simmons Company, Kenosha, Wis. Sofa bed. 2,513,987, July 4.

Wollner, Paul, Weehawken, N. J. Heater for melting bituminous material and for preventing flashing of vapors given off thereby. 2,496,113, Jan. 31.

Wolowitz, William H., Washington, D. C. Printing identification plate or the like. 2,520,077, Aug. 22.

Wolski, William C., Chicago, Ill. Record album carrier. 2,515,433, July 18.

Wolters, Carl F., Kenmore, assignor to Remington Rand Inc., Buffalo, N. Y. Index and signal. 2,493,211, Jan. 3.

Wolters, Carl F., Kenmore, assignor to Remington Rand Inc., Buffalo, N. Y. Index tab. 2,513,127, June 27.

Wolters, Carl F., New Canaan, Conn., assignor to Remington Rand Inc., Buffalo, N. Y. Truck for record trays. 2,495,046, Jan. 17.

Wolters, Carl F., New Canaan, Conn., assignor to Remington Rand Inc., Buffalo, N. Y. Card index tray and bottom stop therefor. 2,529,987, Nov. 14.

Wolverhampton Die-Casting Company Limited, The, assignee: *See*—
Whitehead, Ernest G.

Womack, Jewel J.: *See*—
Womack, Leonard T. and J. J.

Womack, Leonard T. and J. J., Carpinteria, Calif. Hydroelectric gearshift. 2,534,493, Dec. 19.

Womer, John R.: *See*—
Sattler, Frank A., and Womer.

Wommer, Edwin, Bayfield, assignor of one-half to E. Arndt, La Plata County, Colo. Scraper and loader. 2,506,759, May 9.

Womock, Dock R., Jr., Raleigh, N. C. Convertible chair. 2,516,498, July 25.

Wong, Albert H. L., Seattle, Wash., assignor of one-half to M. F. Morton. Soldering implement. 2,528,405, Oct. 31.

Wong, Kuoyee, Hong Kong, China. Chinese typewriter. 2,534,330, Dec. 19.

Wong, Lan J., Hoboken, N. J., assignor to The Sperry Corporation. Gyroscope precessing mechanism. 2,504,170, Apr. 18.

Wong, Ming S., Dayton, Ohio. Resonance and standing-wave impedance measuring line. 2,516,169, July 25.

Woock, Eric M., Lodi, Calif. Suction head. 2,502,612, Apr. 4.

Wood, Albert, assignor, by mesne assignments, to Hilger & Watts Limited, London, England. Spirit level. 2,505,166, Apr. 25.

Wood, Albert E., and A. S. Lowe, assignors to The Birmingham Small Arms Company Limited, Birmingham, England. Control lever check mechanism. 2,502,299, Mar. 28.

Wood, Alfred R., Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Barring mechanism for buttonhole sewing machines. 2,515,753, July 18.

Wood, Alvin P.: *See*—
Rohner, Leonard V., and Wood.

Wood, Barbara I., Uddingston, Scotland. Motor shaft coupling. 2,512,407, June 20.

Wood, Burris D., Dallas, Tex. Wheeled animal walking toy. 2,496,766, Feb. 7.

Wood, Carl E., assignor to Kendall Corporation, Milwaukee, Wis. Scaffold clamp. 2,495,359, Jan. 24.
Wood, Charles H., Bradford, England. Means enabling aircraft night-landing practice to be conducted in daylight. 2,510,848, June 6.
Wood, Claude O., assignor to Goodman Manufacturing Company, Chicago, Ill. Electrical control system for plural conveyer organization. 2,510,163, June 6.
Wood, Claude O., assignor to Goodman Manufacturing Company, Chicago, Ill. Overcurrent responsive relay control system for circuit breakers. 2,516,167, July 25.
Wood, Claude O., assignor to Goodman Manufacturing Company, Chicago, Ill. Load switch for belt conveyer systems. 2,525,847, Oct. 17.
Wood Conversion Company, assignee: *See*— Heino, Arne W.
Wood, David G.: *See*— Ausrin, George F., and Wood.
Wood, Donald L., and G. H. Aklin, assignors to Eastman Kodak Company, Rochester, N. Y. Focusing objective lens. 2,503,789, Apr. 11.
Wood, Earl H.: *See*— Clark, David M., and Wood.
Wood, Frank A., Elmhurst, Ill., assignor to Zenith Radio Corporation. Electrical terminal. 2,497,484, Feb. 14.
Wood, Frank J., New Rochelle, assignor to E. Loewy, New York, N. Y. Rolling mill material handling method and apparatus. 2,527,667, Oct. 31.
Wood, Fredric E.: *See*— Bloomenthal, Sidney, and Wood.
Wood, Fredric E., Oak Park, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Register device. 2,522,734, Sept. 19.
Wood, Frederick V., Norfolk, Va. Hand tool for crimping tube ends. 2,531,489, Nov. 28.
Wood, Gar, Industries, Inc., assignee: *See*— Wood, Louis S.
Wood, George, Battle Creek, Mich. Cutting tool. 2,527,978, Oct. 31.
Wood, George B., Detroit, Mich. Mechanical packing device for dump trucks. 2,511,556, June 13.
Wood, George B., Jr., assignor to American Bosch Corporation, Springfield, Mass. Eccentric follower mechanism. 2,508,557, May 23.
Wood, George R., assignor to Toledo Scale Company, Toledo, Ohio. Knife sharpening apparatus for food slicing machines. 2,531,184, Nov. 21.
Wood, Gordon H., Sutton, and C. S. Francis, Jr., West Harwich, assignors to The Felters Company, Inc., Millbury, Mass. Removal of oil from textile fibers. 2,501,979, Mar. 28.
Wood, Halbert M., Madison, Wis. Artificial bait. 2,511,138, June 13.
Wood, Henry E., Cincinnati, Ohio. Car propelling means. 2,504,290, Apr. 18.
Wood, Henry W.: *See*— Kendall, John D., Wood, and Majer.
Wood, Homer J., assignor to The Garrett Corporation, Los Angeles, Calif. Expansion means for cooling aircraft cabins. 2,502,194, Mar. 28.
Wood, Homer J., assignor to The Garrett Corporation, Los Angeles, Calif. Cabin cooling system for aircraft. 2,526,103, Oct. 17.
Wood, Homer J., and H. R. Alexander, assignors to The Garrett Corporation, Los Angeles, Calif. Aircraft air conditioning system. 2,509,899, May 30.
Wood, Hubert, assignor to Ferranti Limited, Hollinwood, England. Wave-signal responder system. 2,524,493, Oct. 3.
Wood, Hubert, Hollinwood, F. C. Williams, Manchester, and J. R. Whitehead, London, assignors to Ferranti Limited, Hollinwood, England. Wave-signal responder system. 2,524,492, Oct. 3.
Wood, Hubert, and R. H. Davies, Hollinwood, and J. R. Whitehead, London, England, assignors to Ferranti Limited, Hollinwood, England. Wave-signal responder system. 2,524,494, Oct. 3.
Wood, Iver C., assignor to The Denver Fire Clay Company, Denver, Colo. Sheath for explosives. 2,499,440, Mar. 7.
Wood, J. B., El Dorado, Ark. Fish lure. 2,518,213, Aug. 8.
Wood, Jchn, Manufacturing Company, assignee: *See*— Woodford, Joseph C., and Willson.
Wood, John, Manufacturing Company, Inc., assignee: *See*— Martin, Earnest E.
Wood, Joseph D., Upper Darby, assignor to I. T. E. Circuit Breaker Company, Philadelphia, Pa. Series time-delay mechanism. 2,499,082, Feb. 28.
Wood, Joseph D., Upper Darby, assignor to I. T. E. Circuit Breaker Company, Philadelphia, Pa. Ground testing device. 2,504,775, Apr. 18.
Wood, Lindley S.: *See*— Verner, Harry G., and Wood.
Wood, Louis S., Burlingame, Calif., assignor to Gar Wood Industries, Inc., Detroit, Mich. Telescopic power down hoist. 2,517,153, Aug. 1.
Wood, Marion L., North Tarrytown, assignor to International Business Machines Corporation, New York, N. Y. Electrical trigger. 2,524,154, Oct. 3.
Wood, Meek E., Filbert, S. C. Earth-moving apparatus. 2,513,700, July 4.
Wood, Neal S., trustee, assignee: *See*— Daugherty, Fount F.
Wood Newspaper Machinery Corporation, assignee: *See*— Ricards, Charles L., and Isbell.
Roesen, Oscar C., Ricards, and Tollison.
Tollison, Paul L., and Caffrey.
Wood, Robert F., Bridgeport, Conn., assignor to General Electric Company. Synchronizing system. 2,502,195, Mar. 28.
Wood, Ronald M., Baltimore, Md. Bacteriological colony counting device having a light-conducting member for transverse illumination. 2,495,912, Jan. 31.
Wood, Stanley E.: *See*— Hornik, Roland G., and Wood.
Wood, Straud K., Hutchinson, Kans. Delayed-action zero set for parking time meters. 2,535,472, Dec. 26.
Wood, Sumner E., West Springfield, Mass. Fifth wheel coupling. 2,499,013, Feb. 28.
Wood, Thomas A., Roxbury, Mass. Trolling spinner. 2,497,807, Feb. 14.
Wood, Thomas F., Clifton, N. J., assignor to The Givaudan Corporation. Nitro derivative of tertiary butyl ethyl anisole. 2,493,797, Jan. 10.
Wood, Thomas F., Clifton, N. J., assignor to The Givaudan Corporation. Preparing beta-phenyl ethyl alcohol. 2,524,096, Oct. 3.
Wood, W. C., Company Limited, The, assignee: *See*— Hollingshead, William L. R.
Wood, Wallace H., assignor to Norton Company, Worcester, Mass. Grinding machine. 2,534,937, Dec. 19.
Wood, Wilbur G., assignor to Menasco Manufacturing Company, Burbank, Calif. Torque arm quick disconnect assembly. 2,499,619, Mar. 7.
Wood, William: *See*— Harvey, Valentine P., Powell, and Wood.
Wood, William H.: *See*— Bridwell, John W., Jass, and Wood.
Wood, William L.: *See*— Howlett, John, and Wood.
Wood, William S., Harpenden, W. R. Holmes, Luton, and H. Whittaker, Woolwich, London, England; said Wood and said Holmes assignors to Laporte Chemicals Limited. Purification of hydrogen peroxide. 2,520,870, Aug. 29.
Woodall Industries Incorporated, assignee: *See*— Greig, James W.
Moore, Alvin F.
Woodard, Arthur, and I. W. Lewine, New York, N. Y. Roller skate and carrier device therefor. 2,531,959, Nov. 28.
Woodard, Harry W., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Forming small openings in a thick rubber sheet. 2,516,609, July 25.
Woodard, Roy S., St. Louis, Mo. Storm sash. 2,518,969, Aug. 15.
Woodard, Stanley W., Nassau, Bahama Islands, assignor to Universal Exploration Company, Houston, Tex. Marine derrick. 2,520,519, Aug. 29.
Woodard, Stanley W., assignor to Dale Service Corp., Houston, Tex. Marine marker. 2,520,520, Aug. 29.
Woodbury, David O., Bronxville, N. Y. Portable image projector. 2,496,647, Feb. 7.
Woodbury, Robert L., U. S. Army, Litchfield, Conn., and E. P. Hanson, Long Island City, N. Y. Laminated plastic removable insole. 2,495,045, Jan. 17.
Woodcock, Charles H., Philadelphia, and W. H. Stinger, Folcroft, assignors to The Atlantic Refining Company, Philadelphia, Pa. Tube gauge. 2,512,986, June 27.
Woodell, Rudolph, Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing highly extensible regenerated cellulose yarn. 2,509,549, May 30.
Woodfield, Thomas H.: *See*— Morton, Cecil J., and Woodfield.
Woodfield, Thomas H., Birmingham, and C. J. Morton, Coventry, England, assignors to General Electric Company. Supporting structure. 2,504,776, Apr. 18.
Woodfield, Thomas H., Birmingham, and C. J. Morton, Coventry, England, assignors to General Electric Company. Shaft bearing. 2,506,404, May 2.
Woodford, Joseph C., Spring Lake, and D. S. Willson, Muskegon Heights, Mich., assignors to John Wood Manufacturing Company, Inc., Philadelphia, Pa. Fluid dispensing apparatus. 2,513,701, July 4.
Woodham, Robert E., and E. E. Volpi, Beaumont, Tex., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Catalyst sampler. 2,516,097, July 18.
Woodhams, Herbert M., and S. W. D. Lockwood, Coventry, assignors to Sir W. G. Armstrong Whitworth Aircraft Limited, Coventry, Warwickshire, England. Airfoil construction. 2,512,453, June 20.
Woodland, Cecil R., Liverpool, England, assignor to Automatic Electric Laboratories Inc., Chicago, Ill. Wiper assembly for automatic switches as used in telephone systems. 2,507,429, May 9.
Woodland, Cecil R., assignor to Automatic Telephone & Electric Company Limited, Liverpool, England. Contact spring operation and drive in automatic switch. 2,535,771, Dec. 26.
Woodle, Alexander H., Greenwood, S. C. Fish lure. 2,501,428, Mar. 21.
Woodling, George V., Cleveland, Ohio. Interlocking tube coupling sleeve. 2,517,617, Aug. 8.

Woodling, George V., Cleveland, Ohio. Flexible but supported tube coupling sleeve. 2,532,352, Dec. 5.

Woodman, Charles K., and N. S. Ferland, Beverly, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Apparatus for pressing soles on shoe bottoms. 2,497,195, Feb. 14.

Woodman, Frank W.: *See*—
Lawson, Robert K., McClintock, Hendrickson, and Woodman.

Woodman, Melvin W., Cleveland, Ohio. Paint can agitator. 2,501,016, Mar. 21.

Woodman, William S., Cleveland, Ohio. Container with agitator mounted therein. 2,493,210, Jan. 3.

Woodring, Emory R., McKeesport, Pa. Protective means for conveyers. 2,505,927, May 2.

Woodring, William B., Hamden, assignor to Olin Industries, Inc., New Haven, Conn. Flat primary battery. 2,519,054, Aug. 15.

Woodring, William B., West Haven, assignor to Olin Industries, Inc., New Haven, Conn. Dry cell. 2,526,789, Oct. 24.

Woodrow, Wallace H.: *See*—
Davis, William C., and Woodrow.

Woodruff, Albert E., and T. C. Riebe, assignors to Automatic Electric Laboratories, Inc., Chicago, Ill. Ear cushion with earplug. 2,513,985, July 4.

Woodruff, Ben H., Chicago, Ill. Frozen custard machine. 2,523,853, Sept. 26.

Woodruff, George M.: *See*—
Short, Robert J., and Woodruff.

Woodruff, Harold B., Westfield, and A. H. Larsen, assignors to Merck & Co., Inc., Rahway, N. J. The production of benzyl penicillin. 2,532,980, Dec. 5.

Woodruff, Harry L., Washington, D. C. Apparatus for examining gems and crystals. 2,494,078, Jan. 10.

Woodruff, Henry S., Cazenovia, assignor to Carrier Corporation, Syracuse, N. Y. Self-contained air-conditioning unit. 2,506,758, May 9.

Woodruff, Jackson A., St. Davids, Pa., assignor to American Viscose Corporation, Wilmington, Del. Apparatus for treating packaged filamentary material with liquid. 2,509,282, May 30.

Woodruff, Jackson A., St. Davids, Pa., assignor to American Viscose Corporation, Wilmington, Del. Dyeing of cellulose acetate with acid dyes in an aqueous solution containing a mixture of swelling agents. 2,517,751, Aug. 8.

Woodruff, Maurice D.: *See*—
Cannell, William A., and Woodruff.

Woodruff, Sadie J., Asbury Park, assignor to The H & W Company, Newark, N. J. Undergarment. 2,522,010, Sept. 12.

Woodruff, Virgil R.: *See*—
Burns, Edgar F., Woodruff, and Leonard.

Woods, Alfred E., Larkspur, assignor to Fibreboard Products Inc., San Francisco, Calif. Method and apparatus for loading freight cars. 2,530,444, Nov. 21.

Woods, Arthur P., Jr., and C. R. Taylor, Middletown, Ohio, assignors to Armco Steel Corporation. Casting of ingots. 2,518,738, Aug. 15.

Woods, Edgar C., assignor to Henry Simon Limited, Stockport, England. Vulcanizing apparatus. 2,534,845, Dec. 19.

Woods, Eleanor L., Chicago, Ill., now by judicial change of name E. A. Peterson. Reservoir handle applicator with hand controlled feed valve. 2,509,550, May 30.

Woods, Harold O., Ainsworth, Nebr. Rolling invalid toilet chair. 2,509,551, May 30.

Woods, Henry B.: *See*—
Morlan, Erwin A., and Woods.

Woods, Henry B., assignor to Hughes Tool Company, Houston, Tex. Rotary drill bit and cutter therefor. 2,533,260, Dec. 12.

Woods, Henry B., and F. L. Scott, assignors to Hughes Tool Company, Houston, Tex. Drill cutter. 2,533,257, Dec. 12.

Woods, Henry B., and F. L. Scott, assignors to Hughes Tool Company, Houston, Tex. Cluster tooth cutter. 2,533,259, Dec. 12.

Woods, Herbert J., assignor to Burlington Mills Corporation, Greensboro, N. C. Folding device for attachment to drawing frames. 2,497,647, Feb. 14.

Woods, Herbert J., Greensboro, N. C., assignor to Burlington Mills Corporation, County of New Castle, Del. Manufacture of staple yarn from continuous filaments. 2,523,854, Sept. 26.

Woods, James E.: *See*—
Cunningham, Gordon, and Woods.

Woods, John E., Cohasset, assignor to Standard-Thomson Corporation, Boston, Mass. Thermostatic control device. 2,520,894, Aug. 29.

Woods, John E., Cohasset, assignor, by mesne assignments, to Standard-Thomson Corporation, Boston, Mass. Apparatus for producing bellows folds in tubing. 2,522,915, Sept. 19.

Woods, John E., Cohasset, and C. S. Martel, Medford, assignors, by mesne assignments, to Standard-Thomson Corporation, Boston, Mass. Heat exchanger and assembling the same. 2,520,821, Aug. 29.

Woods, Ralph R., Springfield, Colo. Broom corn cutter. 2,535,884, Dec. 26.

Woods, Robert C.: *See*—
Fua, Frederic, and Woods.

Woods, Webster F., Glendale, Calif. Collapsible baby buggy. 2,498,935, Feb. 28.

Woodside, Margaret J., assignor to Weco Products Company, Chicago, Ill. Headdress. 2,508,631, May 23.

Woodson, Thomas T., Bridgeport, Conn., assignor to General Electric Company. Filter system for washing machines and the like. 2,509,753, May 30.

Woodson, Thomas T., Bridgeport, Conn., assignor to General Electric Company. Water supply valve and soap dispenser arrangement for automatic clothes-washing machines. 2,523,801, Sept. 26.

Woodson, Thomas T., Fairfield, Conn., assignor to General Electric Company. Soap supplying system for automatic clothes-washing machines. 2,523,799, Sept. 26.

Woodson, Thomas T., Fairfield, Conn., assignor to General Electric Company. Powdered soap dispenser for clothes-washing machines. 2,523,800, Sept. 26.

Woodson, Thomas T., Fairfield, Conn., assignor to General Electric Company. Electric motor-driven pump. 2,526,443, Oct. 17.

Woodson, Thomas T., Fairfield, Conn., assignor to General Electric Company. Control for automatic washing machines. 2,526,444, Oct. 17.

Woodson, Thomas T., Fairfield, Conn., assignor to General Electric Company. Clutch structure for spinner type washing machines. 2,527,238, Oct. 24.

Woodson, Thomas T., Fairfield, Conn., assignor to General Electric Company. Lubricating system for clothes-washing machines. 2,527,239, Oct. 24.

Woodson, Thomas T., Bridgeport, and J. W. McNairy, Westport, Conn., assignors to General Electric Company. Electromagnetic switch. 2,513,986, July 4.

Woodstock Typewriter Company, assignee: *See*—
Koca, James F.

Woodstock, Willard H., Crete, Ill., assignor to Victor Chemical Works. Aryl and alkyl alkenyl-phosphonates. 2,516,168, July 25.

Woodstock, Willard H., Flossmoor, Ill., assignor to Victor Chemical Works. Chloroalkyl phosphorous oxy and sulfo dichlorides. 2,495,799, Jan. 31.

Woodstock, Willard H., Flossmoor, Ill., assignor to Victor Chemical Works. Plasticizing agents. 2,497,920, Feb. 21.

Woodward, Charles F.: *See*—
Badgett, Charles O., and Woodward.
Weil, Leopold, Woodward, Howard, and Keil.

Woodward, Charles F., Abington, and C. O. Badgett, Glenside, Pa., assignors to the United States of America as represented by the Secretary of Agriculture. Water-insoluble derivatives of nicotinic acid and preparing them. 2,510,164, June 6.

Woodward, Charles M., Pasadena, and H. B. Boller, Alhambra, Calif., said Boller assignor to said Woodward. Clamp. 2,514,273, July 4.

Woodward, Clement A., Wellesley, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Electrical switch. 2,519,329, Aug. 15.

Woodward, Clement A., Wellesley, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Electrical switch. 2,530,364, Nov. 14.

Woodward, Clifford D., and M. McCanna, Butte, Mont., assignors to Anaconda Copper Mining Company, New York, N. Y. Hoist drawbar. 2,513,224, June 27.

Woodward, David W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerization of hydrogen cyanide to its tetramer. 2,499,441, Mar. 7.

Woodward, David W., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. 4,5-imidazoledicarbonitrile and preparation. 2,534,331, Dec. 19.

Woodward, David W., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. 2-oxoimidazolines and preparing the same. 2,534,332, Dec. 19.

Woodward, David W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. 2-oxo-5-cyano-4-imidazolinecarbonamide, salts thereof, and their preparation. 2,535,006, Dec. 19.

Woodward, Eric R., New York, N. Y., assignor to Mathieson Chemical Corporation. Gas generator. 2,507,132, May 9.

Woodward, Eric R., New York, N. Y., assignor to The Mathieson Chemical Corporation. Self-cleaning capillary tube type flow-meter. 2,532,218, Nov. 28.

Woodward, George C., Beaver, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit breaker. 2,534,938, Dec. 19.

Woodward Governor Company, assignee: *See*—
Branham, James H.
Drake, James W.
Drake, George F., Whitehead, and Plummer.
Gillespie, Sidney L.
Sorensen, George E.
Whitehead, Willard J.

Woodward, Harold E., Penns Grove, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Azo dyestuff for dyeing animal fibers in shades of brown. 2,532,588, Dec. 5.

Woodward, Hermon H., Westmount, Quebec, assignor to Tooke Bros. Limited, Montreal, Quebec, Canada. Removable shoulder pad for garments. 2,501,640, Mar. 21.

Woodward, John D., Dayton, Ohio. Omnidirectional beacon. 2,511,030, June 13.

Woodward, John D., Sewell, N. J., assignor to Radio Corporation of America. Navigation system with counter circuits for pulse timing and delay. 2,523,244, Sept. 19.
Woodward, John W.: *See*—
Newman, Arnold C., and Woodward.
Woodward, Leroy A., Dickinson, N. Dak. Micrometer head space gauge. 2,497,196, Feb. 14.
Woodward, Oakley M., Jr., Princeton, N. J., assignor to Radio Corporation of America. Antenna system. 2,514,821, July 11.
Woodward, Oakley M., Jr., Princeton, N. J., assignor to Radio Corporation of America. Transmission line measuring apparatus. 2,527,979, Oct. 31.
Woodward, Oakley M., Jr., Princeton, N. J., assignor to Radio Corporation of America. Antenna system. 2,533,078, Dec. 5.
Woodward, Robert B.: *See*—
Canfield, Robert W., and Woodward.
Woodward, Robert B., Cambridge, Mass., and W. von E. Doering, New York, N. Y., assignors to Polaroid Corporation, Cambridge, Mass. Uramidohomomeroquinene. 2,500,444, Mar. 14.
Woodward, Robert B., Cambridge, Mass., and W. von E. Doering, Katonah, N. Y., assignors to Polaroid Corporation, Cambridge, Mass. 7-hydroxy-8-methylisoquinoline and its preparation. 2,520,672, Aug. 29.
Woodward, Robert B., Cambridge, Mass., and W. von E. Doering, Katonah, N. Y., assignors to Polaroid Corporation, Cambridge, Mass. Acid salts of an N-acetyl-10-trimethylammoniumdihydrohomomeroquinene ethyl ester and their production. 2,520,673, Aug. 29.
Woodward, Robert E., Belleville, Ill., assignor to Socony-Vacuum Oil Company, Incorporated. Methylation of isoparaffins in the presence of hydrogen fluoride. 2,501,625, Mar. 21.
Woodward, Robert N., assignor to Eastman Kodak Company, Rochester, N. Y. Sized paper. 2,514,689, July 11.
Woodward, Teynham, Los Altos, assignor to The Permanente Metals Corporation, Oakland, Calif. Increasing filterability of magnesium hydroxide. 2,493,051, Jan. 3.
Woodward, Teynham, Los Altos, Calif., assignor to Kaiser Aluminum & Chemical Corporation. Magnesia cements and making. 2,526,837, Oct. 24.
Woodward, William H., Detroit, Mich. Guard for rotary disks. 2,496,613, Feb. 7.
Woodward, William W., assignor to The Fairfield Paper and Container Company, Baltimore, Ohio. Drip tray. 2,511,189, June 13.
Woodworth, Charles B., Binghamton, N. Y. Indicator caliper. 2,498,323, Feb. 21.
Woodworth, Frederick B., Sempstead, and F. A. Lindley, Jr., Flushing, assignors to Smith-Meeker Engineering Co., New York, N. Y. Frequency control system. 2,528,632, Nov. 7.
Woodworth, N. A., Company, assignee: *See*—
Hohwart, George, and E. F.
Woody, Ross B., Los Angeles, Calif. Adjustable bedside stand and tray. 2,535,112, Dec. 26.
Woody, Walton L., Shaker Heights, Ohio, and B. E. Gavin, Sr., Indianapolis, Ind., assignors to National Malleable and Steel Castings Company, Cleveland, Ohio. Automatic shakeout machine for flask type molds. 2,525,572, Oct. 10.
Woodyard, John R.: *See*—
Hansen, William W., and Woodyard.
Hansen, William W., Woodyard, and Ginzton.
Woodyard, John R., Berkeley, Calif, assignor to The Sperry Corporation. Ultra high frequency apparatus. 2,496,837, Feb. 7.
Woodyard, John R., Garden City, N. Y., assignor to The Sperry Corporation. Nonlinear circuit device utilizing germanium. 2,530,110, Nov. 14.
Woolcott, Arthur J., assignor of one-half to Wellworthy Piston Rings Limited, Lymington, England. Delivering split rings in a predetermined angular position. 2,509,622, May 30.
Wooldridge, Dean E.: *See*—
Richter, John E.
Wooldridge Manufacturing Company, assignee: *See*—
Darlington, Sidney, Townes, and Wooldridge.
Woolery, Horace E., deceased, St. Paul, by M. L. Woolery, executrix, St. Paul, assignor to Woolery Machine Company, Minneapolis, Minn. Machine for cutting and scoring railway ties. 2,527,668, Oct. 31.
Woolery, Horace E., deceased, St. Paul, Minn.; M. L. Woolery, executrix of said H. E. Woolery, assignor to Woolery Machine Company, Minneapolis, Minn. Water boiler and heater. 2,532,527, Dec. 5.
Woolery Machine Company, assignee: *See*—
Kniffen, Roy S., Farnam, and Woolery.
Woolery, Horace E.
Woolery, Myra L., executrix: *See*—
Woolery, Horace E.
Woolery, Wilber F.: *See*—
Kniffen, Roy S., Farnam, and Woolery.
Wooley, Mannie C., West Monroe, La. Roll spacer for winding rolls. 2,504,240, Apr. 18.
Woolf, James W.: *See*—
Hugus, Frank R., and Woolf.
Russell, John D., and Woolf.
Woolf, James W., Franklin, Pa., assignor to Joy Manufacturing Company. Plural series motor starting system. 2,530,278, Nov. 14.
Woolf, James W., Franklin, Pa., assignor to Joy Manufacturing Company. Dual electric motor series parallel starting circuit. 2,530,279, Nov. 14.
Woolford, Custis S., South Orange, N. J., assignor to American Can Company, New York, N. Y. Machine for deoxidizing marginal edge portions of metallic sheets. 2,523,350, Sept. 26.
Woolley, George H., Shapshed, England. Knitting machine. 2,529,207, Nov. 7.
Woolley, Harold W., Kensington, Md. Photoelectric cell. 2,506,625, May 9.
Woolley, John W., Tamworth, England. Heating apparatus for steam raising and like purposes. 2,516,738, July 25.
Woolley, Lee A., assignor to Kingston Products Corporation, Kokomo, Ind. Skate construction. 2,512,906, June 27.
Woolley, William J., Chicago, Ill. Humidifier. 2,535,772, Dec. 26.
Woolls, John F. N., assignee: *See*—
Sutherland, Howard C.
Woolsey, Theodore A., assignee: *See*—
Warren, Charles J.
Woolsey, Sterling W., Corpus Christi, Tex. Jet propelled rotary action submarine mud gun. 2,531,760, Nov. 28.
Woolslayer, Homer J., C. Jenkins, and W. H. Luttgen, Tulsa, Okla., assignors to Lee C. Moore Corporation, Pittsburgh, Pa. Oil well mast structure and erection method. 2,495,563, Jan. 24.
Woolslayer, Homer J., and C. Jenkins, Tulsa, Okla., assignors, by mesne assignments, to Lee C. Moore Corporation, Pittsburgh, Pa. Mast structure. 2,503,604, Apr. 11.
Woolslayer, Homer J., E. A. Campbell, and C. Jenkins, Tulsa, Okla., assignors, by mesne assignments, to Lee C. Moore Corporation, Pittsburgh, Pa. Engine foundation. 2,511,613, June 13.
Woolslayer, Homer J., and C. Jenkins, Tulsa, Okla., assignors to Lee C. Moore Corporation, Pittsburgh, Pa. Oil well derrick substructure. 2,516,739, July 25.
Woolslayer, Homer J., E. A. Campbell, and C. Jenkins, Tulsa, Okla., assignors, by mesne assignments, to Lee C. Moore Corporation, Pittsburgh, Pa. Mast structure. 2,530,848, Nov. 21.
Woolslayer, Homer J., and C. Jenkins, Tulsa, Okla., assignors to Lee C. Moore Corporation, Pittsburgh, Pa. Well drilling structure provided with a drill pipe hoist. 2,531,930, Nov. 28.
Woolums, Virgil H., St. Petersburg, Fla. Fabricating flexible panels. 2,522,807, Sept. 19.
Woolworth, Richard G., Lancaster, assignor to Animal Trap Company of America, Lititz, Pa. Animal trap. 2,524,504, Oct. 3.
Woonsocket Falls Mill, assignee: *See*—
Morgan, George A., and Robertshaw, Jr.
Wooster, Nora A. and W. A., Cambridge, and E. A. Fielding, Birch, assignors to The General Electric Company, Limited, London, England. Quartz crystal and treating same. 2,504,368, Apr. 18.
Wooster, Nora A. and W. A., Cambridge, England, assignors to Hazeltine Research, Inc., Chicago, Ill. Producing quartz crystal. 2,508,208, May 16.
Wooster, William A.: *See*—
Wooster, Nora A. and W. A.
Wooster, Nora A. and W. A., and Fielding.
Wooten, Leland A., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Protective plating for electrodes. 2,535,713, Dec. 26.
Worby, Stanley E., assignor to Arthur Moore Limited, New Barnet, England. Tool for measuring and setting out angles. 2,505,928, May 2.
Worcester, Joseph A., Jr., Fairfield, Conn., assignor to General Electric Company. Amplitude limiter. 2,524,556, Oct. 3.
Worde, Arthur O., Brooklyn, N. Y. Device for printing upon pens or pencils. 2,524,690, Oct. 3.
Worden, Ernest C.: *See*—
Briechle, Ambrosius, and Worden.
Worden, Jesse L., and I. K. Saltzman, assignors to Continental X-Ray Corporation, Chicago, Ill. Apparatus for orthodiagraphy. 2,526,988, Oct. 24.
Worden, John L., San Diego, Calif. Sharpener for mechanical pencils. 2,532,384, Dec. 5.
Worden R B., Granger, Wash. Fishing reel. 2,500,445, Mar. 14.
Worden, R B., Granger, Wash. Package for fishlines. 2,500,446, Mar. 14
Worden, William L., Olney, and E. G. Lee, Fairfield, Ill. Well casing cutter. 2,525,007, Oct. 10.
Wordingham, Maurice G., assignor to Phoenix Products Co., Milwaukee, Wis. Garment hanger cover. 2,533,864, Dec .12.
Worel, Glen J., assignor to Thexton Manufacturing Company, Minneapolis, Minn. Electrical instrument for determining top dead center position in internal-combustion engines. 2,511,392, June 13.
Worhun, John P., West Orange, N. J. Self-righting road way warning. 2,521,496, Sept. 5.
Workman, Lawrence H., assignor to Manning, Maxwell & Moore, Inc., Muskegon, Mich. Adjustable hanger bracket. 2,509,384, May 30.

Workman, William J. : *See*—
Fermanian, Armen, Soderman, and Workman.
Works, Carroll N. : *See*—
Dakin, Thomas W., Works, and Boggs.
Works, Madden T., assignor to Cameron Iron Works, Houston, Tex. Wellhead sealing arrangement. 2,496,190, Jan. 31.
Works, Madden T., assignor to Cameron Iron Works, Houston, Tex. Seal assembly and casing head combination. 2,508,003, May 16.
Works, Madden T. : *See*—
Allen, Herbert, and Works.
Works, Madden T., and M. R. Jones, assignors to Cameron Iron Works, Houston, Tex. Valve. 2,525,989, Oct. 17.
Worldsbest Industries, Inc., assignee : *See*—
Bothe, Werner H.
Wormington, Mabel L., Kansas City, Mo. Telephone dial operating device. 2,510,920, June 6.
Wormith, Donald J., Sarnia, Ontario, Canada, assignor to Standard Oil Development Company. Supplying tempering steam and regeneration gas to a catalyst. 2,509,900, May 30.
Worn, George A., Greenwich, Conn., assignor to The Lummus Company, New York, N. Y. Ejector apparatus. 2,519,531, Aug. 22.
Worn, George A., Greenwich, Conn., assignor to The Lummus Company, New York, N. Y. Heat exchanger. 2,523,174, Sept. 19.
Worn, George A., Greenwich, Conn., and W. E. Brockel, Verona, N. J., assignors to The Lummus Company, New York, N. Y. Evaporator. 2,535,996, Dec. 26.
Worsham, Charles H., Fanwood, and C. H. Holder, Cranford, N. J., assignors to Standard Oil Development Company. Fatty acid production in hydrocarbon synthesis. 2,521,436, Sept. 5.
Worsham, Everett M., Monticello, and E. Levin, Champaign, Ill. ; said Worshaam assignor to said Levin. Simultaneous defatting and dehydrating of fatty substances. 2,503,312, Apr. 11.
Worsham, James A., Maplewood, Mo. Furnace comprising coking and combustion grate. 2,524,868, Oct. 10.
Worsley, Ivor R., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Heterodyne oscillator. 2,510,165, June 6.
Worsley, Robert J. : *See*—
McKay, James A., and Worsley.
Worth, Barzillai, G. : *See*—
Conrad, Edward V., and Worth.
Worth, Francis C., Brooklyn, N. Y. Label coder attachment. 2 507,658, May 16.
Worth, Francis C., Brooklyn, N. Y. Discharging magazine and holder. 2,512,218, June 20.
Worth, Francis C., Brooklyn, N. Y. Device for applying sheet material to cylindrical articles. 2,531,314, Nov. 21.
Worthen, Stephen V., Westbrook, Maine, assignor to S. D. Warren Company, Boston, Mass. Planographic printing plate and making same. 2,534,650, Dec. 19.
Worthing, Harold R., Janesville, Wis. Cigarette extinguisher and ash tray. 2,494,979, Jan. 17.
Worthington Ball Company, The, assignee : *See*—
Smith, Robert F.
Worthington, Charles F., Spokane, Wash. Live bait harness. 2,508,559, May 23.
Worthington, Edward H., East Stroudsburg, Pa. Bed knife for lawn mowers. 2,496,973, Feb. 7.
Worthington, Edward H., East Stroudsburg, Pa. Crosstie connection between lawn mower side frames. 2,509,949, May 30.
Worthington, Emory W., assignor to Goss Printing Press Company, Chicago, Ill. Ink delivery regulating device for printing press ink fountains. 2,497,648, Feb. 14.
Worthington, Marion L., Drexel Hill, Pa. Holder for paint cans and the like. 2,518,214, Aug. 8.
Worthington Mower Company, assignee : *See*—
Sawtelle, Edmund R.
Sawtelle, Edmund R., Blair and Imbt.
Worthington Pump and Machinery Corporation, assignee : *See*—
Cox, Stephen J.
Hahn, Clarence J.
Hoffman, Robert F., and Clement.
Karassik, Igor J.
Kutz, Arthur O.
Lucke, Charles E.
MacDonald, Karl.
Nast, Paul H.
Nicholson, Ralph A.
Pawquariello, Armand J.
Robinson, Merrill P., and Sebald.
Sebald, Joseph F.
Von Saspe, Henry C.
Whitting, Harold W.
Zwicki, Joseph R.
Worthington, Wayne H., Waterloo, Iowa, assignor to Deere Manufacturing Co. Water cooling cylinder head and jacket construction. 2,495,401, Jan. 24.
Worthington, Wayne H., Waterloo, Iowa, assignor to Deere Manufacturing Co. Follow-up control means for hydraulic mechanism. 2,511,393, June 13.
Wotring, Clark O., McGregor, Minn. Litter handling tool. 2,518,432, Aug. 8.
Wotring, Gaylord H., Bridgeport, Conn., assignor to General Electric Company. Detergent supplying means for dishwashing apparatus. 2,498,517, Feb. 21.
Wottring, L. P., assignee : *See*—
Metzger, Theodore C.
Wouk, Victor, and W. M. Brubaker, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Gas constituency audible indicating device. 2,499,806, Mar. 7.
Wrathall, John R., East Aurora, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system for reel devices. 2,516,038, July 18.
Wray, Alexander J., Sr., Pomona, Calif. Rotary side-delivery rake. 2,532,652, Dec. 5.
Wray (Optical Works) Limited, assignee : *See*—
Wynne, Charles G.
Wreford, Frederick S., Detroit, Mich. Welding cable. 2,504,777, Apr. 18.
Wrege, Robert B. : *See*—
Moore, George L., Sicha, and Wrege.
Wright Aeronautical Corporation, assignee : *See*—
Baker, Stanley W.
Berry, David W.
Browne, Kenneth A.
Cannon, Wayne D., and Weeks.
Chilton, Roland.
Daub, Rudolph.
DuBois, George B., and Ovens.
Du Bois, George B., and Ungerer.
Francisco, William H., Jr.
Jewett, Charles S.
Jewett, Charles S., Loos, and Mehnert.
Kincaid, Frank M., Jr.
Lundquist, Wilton G., Olson, and Browne.
Moore, Vincent.
Ovens, William G.
Pierce, Erold F.
Price, Harry N.
Ryan, Thomas M., and Romlein.
Sherwin, Frederick S.
Steensma, Richard.
Weeks, Walter L., Stewart, and Holmes.
Wiegand, Francis J., and Meador.
Wiegand, Francis J., and Rowe.
Wright, Alan V., assignor to Kelvin, Bottomley & Baird, Limited, Glasgow, Scotland. Instrument for testing paper. 2,506,478, May 2.
Wright, Ansel J., Minneapolis, Minn. Bed and platen hectographic address machine. Re. 23,279, Oct. 3.
Wright, Ansel J., Minneapolis, Minn., assignor to The Wright Co. Moistener for duplicating machines. 2,496,838, Feb. 7.
Wright, Ansel J., Minneapolis, Minn. Bed and platen hectographic address machine. 2,503,185, Apr. 4.
Wright, Antony : *See*—
Clark, Edwin L., and Wright.
Wright, Antony, Drexel Hill, Pa., assignor to Radio Corporation of America. Power supply system. 2,513,225, June 27.
Wright, Antony, Drexel Hill, Pa., and E. L. Clark, Collingswood, N. J., assignors to Radio Corporation of America. Response control for wide band amplifiers. 2,514,112, July 4.
Wright, Beaumont B., Wink, Tex. Motorboat steering and propulsion mechanism. 2,507,844, May 16.
Wright, Bruce R., Lakewood, assignor to Centrifix Corporation, Cleveland, Ohio. Baffle type muffler. 2,511,190, June 13.
Wright, Charles A., Milwaukee, Wis. Oil box lid. 2,494,423, Jan. 10.
Wright, Charles D. : *See*—
Collins, Henry M., and Wright.
Wright, Charles F., Akron, Ohio, assignor to The Diamond Match Company, New York, N. Y. Mechanism for centering assembled book elements in match-booking machines. 2,501,626, Mar. 21.
Wright Co., The, assignee : *See*—
Wright, Ansel J.
Wright, David C., Salem, Ohio. Slingshot. 2,532,798, Dec. 5.
Wright, Dawson T., Kansas City, Mo. Cultivator shield. 2,513,543, July 4.
Wright, Duncan W., Dallas, Tex. Grass clippers. 2,503,983, Apr. 11.
Wright, Edward A., Elk Creek, Calif. Vacuum cleaner nozzle. 2,534,189, Dec. 12.
Wright, Frank, Haworth, Keighley, assignor to Prince-Smith & Stells Limited, Burlington Shed, Keighley, England. Centrifugal spinning, twisting, and analogous machine. 2,520,078, Aug. 22.
Wright, Fred J., Columbus, Ohio, assignor to The Galion Iron Works & Manufacturing Company. Towing hitch for portable rollers. 2,495,493, Jan. 24.
Wright, Fred J., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Mechanism for driving shafts at equal or unequal speeds. 2,516,821, July 25.
Wright, Fred J., Upper Arlington, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company. Hydraulic reversing check valve. 2,493,937, Jan. 10.
Wright, Fred J., Upper Arlington, Ohio, assignor to The Galion Iron Works & Manufacturing Company. Road grader. 2,494,324, Jan. 10.

Wright, Frederick M., Milton, Mass. Garment hanger support. 2,524,743, Oct. 3.
Wright, George F.: *See*—
McKay, Arthur F., and Wright.
Wright, George W.: *See*—
Shorey, Seth U., and Wright.
Wright, Glenn H., and E. L. Koester, Aurora, Ill. Lighting connection for trailers. 2,525,086, Oct. 10.
Wright, Harold, De Kalb, and C. E. Blackman, Waterman, assignors to De Kalb Agricultural Association, Inc., De Kalb, Ill. Grain treating mechanism. 2,507,290, May 9.
Wright, Harold, De Kalb, and C. E. Blackman, Waterman, assignors to De Kalb Agricultural Association, Inc., De Kalb, Ill. Proportional mixing means. 2,507,291, May 9.
Wright, Harold M., Vancouver, British Columbia, Canada. Froth flotation apparatus. 2,494,602, Jan. 17.
Wright, Henry O., Suffern, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Pulse-reflection distance measuring system. 2,507,746, May 16.
Wright, Jesse F.: *See*—
Morrell, Jacque C., Tobiasson, and Wright.
Wright, John B., assignor to The Upjohn Company, Kalamazoo, Mich. Benzotriazole compound. 2,501,649, Mar. 21.
Wright, John B., assignor to The Upjohn Company, Kalamazoo, Mich. Pyrrolidylethyl carbazole compounds. 2,528,939, Nov. 7.
Wright, John B., assignor to The Upjohn Company, Kalamazoo, Mich. Pyrrolidylethyl indole compounds. 2,528,940, Nov. 7.
Wright, John G., C. D. Toney, C. A. Watkins, and E. Sudan, Atlanta, Ga., assignors to The Auto-Soler Company. Fastener forming and inserting machine. 2,520,521, Aug. 29.
Wright, John H., Chicago, Ill. Educational toy. 2,535,619, Dec. 26.
Wright, Kenneth A., Long Beach, Calif. Wall scratcher for wells. 2,506,405, May 2.
Wright, Kenneth S.: *See*—
Huntley, Wilson C., and Wright.
Wright, Linwood P., Falmouth, Maine. Window screen. 2,514,920, July 11.
Wright, Livingston: *See*—
Hayward, Carle R., and Wright.
Wright, Lloyd B., Seattle, Wash. Unloading apparatus for automotive trucks. 2,499,442, Mar. 7.
Wright Machinery Company, assignee: *See*—
Clark, Robert A.
May, John W.
Rappaport, Sigmund, and Proctor.
Tracy, Glen M.
Wright, Manfred G.: *See*—
Schwarz, Bertram A., Stelzl, and Wright.
Wright, Margaret K., Knoxville, Tenn. Adjustable baby's bootee blocking form. 2,534,749, Dec. 19.
Wright, Mary S., New York, N. Y. Casserole. 2,493,279, Jan. 3.
Wright, Melvin, Dorton, Ky. Switch for cable operated machinery. 2,507,078, May 9.
Wright, Mildred B., Berwyn, Ill. Drapery fixture. 2,532,653, Dec. 5.
Wright, Oliver A., assignor to Wright & Shipley Corporation, Houston, Tex. Method and apparatus for drying material. 2,520,871, Aug. 29.
Wright Products, Inc., assignee: *See*—
Falk, Harold W.
Wright, Richard C., Bay Village, Ohio, assignor to Iron Fireman Manufacturing Company, Portland, Oreg. Furnace construction. 2,533,658, Dec. 12.
Wright, Richard H., Cleveland Heights, Ohio. Valve handle. 2,502,812, Apr. 4.
Wright, Richard H., Cleveland Heights, Ohio. Venetian blind slat and making same. 2,518,846, Aug. 15.
Wright, Richard H., Cleveland, Ohio, and D. G. Haight, Chicago, Ill., assignors to The Guarantee Specialty Manufacturing Company, Cleveland, Ohio. Venetian blind bracket. 2,515,067, July 11.
Wright, Robert A.: *See*—
Weems, William R., and Wright.
Wright, Robert L.: *See*—
Guentner, Robert L., and Wright.
Wright, Robert L., Severna Park, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Load reading voltmeter. 2,530,188, Nov. 14.
Wright, Royal J., and J. Lytle, Panaca, Nev. Safety fuse tool. 2,513,128, June 27.
Wright, Samuel J., Great Warley, England, assignor to Ford Motor Company, Dearborn, Mich. Tractor mounted implement. 2,518,215, Aug. 8.
Wright & Shipley Corporation, assignee: *See*—
Wright, Oliver A.
Wright, Stanley, Long Beach, Calif., assignor to Eastman Oil Well Survey Company, Dallas, Tex. and Denver, Colo. Well-drilling apparatus. 2,498,192, Feb. 21.
Wright, Thomas E., Belleville, N. J. Countersinking tool. 2,522,330, Sept. 12.
Wright, Walter L., Flushing, N. Y. Automatic device for controlling circuits for internal-combustion engines. 2,510,789, June 6.
Wright, Willard L., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Through bolt commutator. 2,495,194, Jan. 17.
Wright, Willard L., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Floating-seal commutator. 2,501,370, Mar. 21.
Wright, William C.: *See*—
Wetzel, Frank L., and Wright.
Wrightway Engineering Co., assignee: *See*—
Goodrie, Joseph J.
Wrigley, Walter, East Hempstead, N. Y., assignor to The Sperry Corporation. Panoramic sextant having stabilized reticle. 2,505,819, May 2.
Wroblewski, Polikarp, Ankara, Turkey, assignor of one-half to F. A. Pillet, Dallas, Tex. Fastening device. 2,526,790, Oct. 24.
Wroblewski, Polikarp, Ankara, Turkey, assignor of one-half to F. A. Pillet, Dallas, Tex. Fastening device. 2,526,791, Oct. 24.
Wroldsen, George: *See*—
Keegan, Simon H., Wroldsen, and Rhatigan.
Wronke, Anthony L., Chicago, Ill. Telephone test set with line resistor. 2,520,592, Aug. 29.
Wronkowski, Thaddeus J., Central Falls, R. I. Vehicle head lamp attachment. 2,499,555, Mar. 7.
Wu, William I., New York, N. Y., assignor to the United States of America as represented by the Secretary of War. Signal-seeking transceiver. 2,532,589, Dec. 5.
Wuensch, Charles E., Saratoga, Calif., by decree of distribution to E. L. Wuensch. Sealing device. 2,518,415, Aug. 8.
Wuensch, Charles E., San Francisco, Calif., by decree of distribution to E. L. Wuensch. Magnetic separator. 2,522,556, Sept. 19.
Wuensch, Eunice L.: *See*—
Wuensch, Charles E.
Wuerfel, Robert P., Dexter, Mich. Circuit tuning unit. 2,525,438, Oct. 10.
Wuerthner, George, assignee: *See*—
Vosseler, Max, Starz, and Wuerthner.
Wuerthner, George, Linden, N. J. Collapsible hand truck. 2,500,589, Mar. 14.
Wuetig, Fred H., Chicago, Ill. Automatic variable-speed transmission. 2,520,352, Aug. 29.
Wuko, Emil, assignor to H. Wolff Book Manufacturing Co., Inc., New York, N. Y. Machine for pasting the edges of sheets to each other. 2,503,984, Apr. 11.
Wulff, Frank D., Chicago, Ill. Beverage making filter. 2,532,688, Dec. 5.
Wulff, Herman A., St. Paul, Minn. Fishline bobber. 2,504,241, Apr. 18.
Wulff, John, Cambridge, Mass. Producing metal powders. 2,527,611, Oct. 31.
Wulff, John, Cambridge, Mass. Making pyrophoric elements. 2,528,406, Oct. 31.
Wulff, Verner J.: *See*—
Burns, Henry L., and Wulff.
Wullschleger, August, Olten, Switzerland. Infinitely variable change-speed gear. 2,512,454, June 20.
Wunn, Richard, assignee: *See*—
Gothard, Thomas J.
Wunsch, Harry, Brooklyn, N. Y. Hydraulically actuated swing boom crane. 2,528,985, Nov. 7.
Wurdinger, Lawrence J., Mount Angel, Oreg. Berry vine holder. 2,531,867, Nov. 28.
Wurgaft, Harry L., Fullerton, Calif., assignor to F. S. and M. G. Markham. Fruit centering means for citrus juice extractors. 2,517,519, Aug. 1.
Wurgaft, Harry L., Fullerton, Calif., assignor to F. S. and M. G. Markham. Citrus fruit reaming mechanism. 2,517,520, Aug. 1.
Wurgaft, Harry L., Fullerton, Calif., assignor to F. S. and M. G. Markham. Feeding and cutting means for citrus fruit juice extractors. 2,525,990, Oct. 17.
Wurlitzer, Rudolph, Company, The, assignee: *See*—
Ahern, William B., and Walt.
Hayslett, Lamar E.
Hokanson, Otto A.
Hokanson, Otto A., and Jones.
Von Stoeser, Walter.
Zuck, Victor I.
Wurster, John H., Pittsfield, Mass., assignor to General Electric Company. Rolled type capacitor. 2,531,185, Nov. 21.
Wurtele, Richard K., assignee: *See*—
Taylor, John R.
Wurton Machine Company, assignee: *See*—
Touton, Rush D.
Wurtz, John W.: *See*—
Greenwald, Fred A., and Wurtz.
Wurzburger, Paul D., Cleveland Heights, Ohio. Metal working method and mechanism. 2,500,890, Mar. 14.
Wyandotte Chemicals Corporation, assignee: *See*—
Bacon, Leslie R., and Conklin.
Bacon, Leslie R., and Wegst.
Jacobs, Edward C., and Lundsted.
Kuentzel, Lester E.
Nutting, Eugene G., Jr., and Peppard.
Robinson, Samuel T., Jr.
Schwoegler, Edward J.
Waldeck, William F.
Wyant, Ira A., assignor to Campbell, Wyant & Cannon Foundry Co., Muskegon Heights, Mich. Copper-cooled brake drum. 2,506,823, May 9.

Wyatt, Collie C.: *See*—
Wyatt, Thomas A., C. C., and R. T.

Wyatt, De Witt H., Nashville, Tenn. Radiant gas stove with transparent air chimney. 2,517,071, Aug. 1.

Wyatt, Frank A., Indiana, Pa. Bottle carrier. 2,522,080, Sept. 12.

Wyatt, Frank A., Indiana, and C. F. Slater, Pittsburgh, assignors to B. F. Louis, Indiana, Pa. Beverage case. 2,530,849, Nov. 21.

Wyatt Manufacturing Co., Inc., The, assignee: *See*—
Warren, William V.

Wyatt, Rue T.: *See*—
Wyatt, Thomas A., C. C., and R. T.

Wyatt, Thomas A., C. C., and R. T., Tyler, Tex. Loading and unloading device for vehicle bodies. 2,534,156, Dec. 12.

Wycech, Casimir E., Dearborn, Mich. Fish lure. 2,503,369, Apr. 11.

Wyckoff, Paul W., Dayton, Ohio, assignor to Chrysler Corporation, Highland Park, Mich. Apparatus for successively making approximate and final adjustments. 2,521,557, Sept. 5.

Wyckoff, Ralph D., assignor to Gulf Research & Development Company, Pittsburgh, Pa. Method and apparatus for measuring magnetic fields. 2,518,513, Aug. 15.

Wyckoff, Ralph D., Pittsburgh, Pa., J. W. Fitzwilliam, Cambridge, Mass., and D. Salvetti, Blawnox, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Dirigible bomb. 2,495,304, Jan. 24.

Wycoff, Keith H., Akron, Ohio. Nursing unit. 2,525,745, Oct. 10.

Wydler, Hermann, Liebefeld near Berne, assignor to Stoppani A.-G., Berne, Switzerland. Flowmeter. 2,525,991, Oct. 17.

Wyer, John M., Perton, Pattingham, near Wolverhampton, England. Means for use in applying alternatively, air pressure and suction to a given point. 2,532,003, Nov. 28.

Wyeth Incorporated, assignee: *See*—
Alburn, Harvey E., and Snyder.
Bernhart, Finn W.
Bruce, William F.
Bruce, William F., Mueller, Seifter, and Szabo.
Bruce, William F., and Seifter.
Charney, Jesse.
Gyorgy, Paul.
Heisterkamp, Charles A.
Snyder, Eric G.

Wykoff, Roy A., Jr., Keokuk, Iowa. Firing pin. 2,494,603, Jan. 17.

Wylde, Joseph R.: *See*—
Angus, William C., and Wylde.

Wylde, Reginald R. S., Miami, Fla. Counting and recording apparatus. 2,516,443, July 25.

Wyler, Joseph A., Allentown, Pa., assignor to Trojan Powder Company. Esters of pentaerythritol dehydration products. 2,495,305, Jan. 24.

Wyler, Joseph A., Allentown, Pa., assignor to Trojan Powder Company. Making pentaerythritol. 2,532,252, Nov. 28.

Wyler, Joseph A., Allentown, Pa., assignor to Trojan Powder Company. Separation of pentaerythritol and formic acid. 2,532,253, Nov. 28.

Wyler, Max, Winterthur, Switzerland. Adjustable level case. 2,519,211, Aug. 15.

Wylie, Andrew R., assignor, by mesne assignments, to Redmond Company, Inc., Owosso, Mich. Field structure for rotating electrical equipment. 2,513,226, June 27.

Wylie, Andrew R., assignor, by mesne assignments, to Redmond Company, Inc., Owosso, Mich. Field structure for rotating electrical equipment. 2,513,227, June 27.

Wylie, D. Otis, Charlotte, N. C. Inspection and cleaning table for textiles. 2,530,038, Nov. 14.

Wylie, George W., Gary, Ind. Revolver grip. 2,509,553, May 30.

Wylie, Lloyd M., New Toronto, Ontario, Canada. Cigarette lighter. 2,505,512, Apr. 25.

Wylie, Thomas: *See*—
Akester Joseph C., and Wylie.

Wylie, William D., Richmond, Calif. Emergency exit. 2,515,325, July 18.

Wyllie, John, Jr., deceased, Detroit, Mich., by M. B. Wyllie, executrix, assignor to Temprite Products Corporation, Detroit, Mich. Liquid cooling apparatus. 2,531,315, Nov. 21.

Wyllie, Margaret B., executrix: *See*—
Wyllie, John, Jr.

Wyman, Anthony J., Orange, and R. G. Ziegler, West Orange, N. J. Salt shaker. 2,521,662, Sept. 5.

Wyman, Truette R., Lake Charles, La. Bus stand. 2,526,989, Oct. 24.

Wynecoop, Clair, Wellpinit, Wash. Pipe pellet. 2,495,882, Jan. 31.

Wynn, Ernest, Thornton, Bradford, England. Air-cooled silencer with plural passages. 2,535,660, Dec. 26.

Wynn, James E., Norman, Okla. Tape holder. 2,525,992, Oct. 17.

Wynne, Charles G., assignor to Wray (Optical Works) Limited, Bromley Hill, England. Large aperture spherically corrected objective having two outer positive components and two inner negative meniscus components with one cemented surface. 2,499,264, Feb. 28.

Wynne, Charles G., assignor to Wray (Optical Works) Limited, Bromley Hill, England. Catadioptric systems with correcting lens means. 2,509,554, May 30.

Wynne, Morgan D., Sr., and T. H., Jr., Griffin, Ga. Fly fishing kit. 2,533,865, Dec. 12.

Wynne, Tillet H., Jr.: *See*—
Wynne, Morgan D., Sr., and T. H., Jr.

Wynnyk, Theodore, Peabody, Mass. Decorative attachment for lamp shades. 2,511,394, June 13.

Wyrick, Clayton E., Miami, Fla., assignor to The Egry Register Company, Dayton, Ohio. Automatic tension control. 2,501,981, Mar. 28.

Wyrick, Clayton E., deceased, Miami, Fla.; M. R. Wyrick, executrix of said C. E. Wyrick, assignor to Hopkins-Wyrick Laboratories, Inc., Miami, Fla. Turret. 2,534,333, Dec. 19.

Wyrick, Mary R., executrix: *See*—
Wyrick, Clayton E.

Wysack, Edward B., Wyandotte, Mich. Fish lure. 2,516,039, July 18.

Wyse, David S., Dayton, Ohio. Holder. 2,524,617, Oct. 3.

Wystrach, Vernon P., Stamford, and D. W. Kaiser, Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Preparation of triethylene-melamine. 2,520,619, Aug. 19.

Wytheville Knitting Mills, assignee: *See*—
Schmidt, Paul.

Wyzenbeek, Andrew, Chicago, Ill. Variable speed transmission device. 2,503,462, Apr. 11.

Wyzenbeek, Andrew, Chicago, Ill. Trocar apparatus. 2,525,329, Oct. 10.

X-ray Electronic Corporation, assignee: *See*—
Fua, Frédéric.
Fua, Frederic, and Woods.

X-T Building Block, Inc., assignee: *See*—
Hallstead, Leon A.

Ximenez, Manuel R., Fanwood, and J. H. Ferguson, Somerville, N. J., assignors to Johns-Manville Corporation, New York, N. Y. Microporous sheet and manufacture. 2,517,753, Aug. 8.

Yackel, Edward C., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic reversal copying process. 2,500,052, Mar. 7.

Yaeger, Harry C., West Hartford, Conn., assignor to Underwood Corporation, New York, N. Y. Feed-roll release mechanism for typewriting machines. 2,501,117, Mar. 21.

Yaeger, Harry C., West Hartford, Conn., assignor to Underwood Corporation, New York, N. Y. Power-driven type action. 2,525,278, Oct. 10.

Yaeger, Harry C., West Hartford, Conn., assignor to Underwood Corporation, New York, N. Y. Auxiliary frame for typewriters. 2,533,158, Dec. 5.

Yager, Harry L., Portland, Oreg. Irrigation tube joint fastener. 2,499,048, Feb. 28.

Yaggy, Luther M., Waterloo, Iowa. Kicking man toy. 2,506,260, May 2.

Yakutis, Anthony J.: *See*—
Hoglund, Ralph H., Hulstede, and Yakutis.

Yale, Harold C., Pasadena, Calif. Paper clip. 2,493,052, Jan. 3.

Yale, Harry L.: *See*—
Hearne, George W., Yale, and Hoff.

Yale & Towne Manufacturing Company, assignee: *See*—
Cooper, Harry A.
Ledin, Charles.

Yale & Towne Manufacturing Company, The, assignee: *See*—
Dwyer, Donal J.
Framhein, Herbert J.
Heyer, Frederic K.
Holland, Glen.
Holland, Glen A.
Quayle, George.
Quayle, George F.
Schroeder, Charles S.
Ulinski, Bronislaus.
Wicks, Clifford P.

Yamamoto, Raymond T., Honolulu, T. H. Needle for making leis. 2,526,104, Oct. 17.

Yancey, Charles R., assignor of one-half to K. K. Yancey, Dallas, Tex. Carton and closure therefor. 2,507,430, May 9.

Yancey, John R.: *See*—
Denning, Charles O., and Yancey.

Yancey, Katherine K., assignee: *See*—
Yancey, Charles R.

Yando, Stephen, Mineola, assignor to Mackay Radio and Telegraph Company, New York, N. Y. Diversity reception employing frequency shift keying. 2,520,188, Aug. 29.

Yanes, Francisco G., deceased, New York, N. Y.; A. F. Goddard, executrix of said F. G. Yanes. Indirect photomechanical reproduction. 2,507,431, May 9.

Yankee Enterprises, Incorporated, assignee: *See*—
Burditt, Frederic M.

Yankee Metal Products Corporation, assignee: *See*—
Dion, Rene.

Yanko, William H.: *See*—
Craig, Alfred B., and Yanko.

Yankwich, Peter E.: *See*—
Calvin, Melvin, and Yankwich.

Yanovsky, Elias: *See*—
Hamilton, Robert M., and Yanovsky.
Yant, Chester W., Westchester, assignor to Crane Co., Chicago, Ill. Retractable gate valve. 2,502,689, Apr. 4.
Yant, William P., Murraysville, and H. N. Cotabish, assignors to Mine Safety Appliances Company, Pittsburgh, Pa. Method and apparatus for gas analysis. 2,531,592, Nov. 28.
Yant, William P.: *See*—
Sanderson, John P., Paulus, and Yant.
Yantis, Robert F.: *See*—
Oatis, Henry O., and Yantis.
Yapp, Thomas A., assignor to The Hercules Cycle and Motor Company Limited, Birmingham, England. Control for variable-speed gears on cycles. 2,534,566, Dec. 19.
Yarbrough, Thomas M., Nashville, Tenn. Boat trailer. 2,503,535, Apr. 11.
Yarbrough, William A., Waynesboro, Va. Insect destroyer. 2,513,544, July 4.
Yardeny, Michel N., New York, N. Y. Auto-synchronous remote control apparatus with fine adjustment means. 2,493,844, Jan. 10.
Yardeny, Michel N., New York, N. Y. Apparatus for selectively positioning a load. 2,494,922, Jan. 17.
Yardeny, Michel N., New York, N. Y. Multirevolution control apparatus. 2,517,155, Aug. 1.
Yardeny, Michel N., and A. Razdowitz, New York, N. Y.; said Razdowitz assignor to said Yardeny. Electrical control device. 2,530,642, Nov. 21.
Yardeny, Michel N., R. Bernas, and S. A. Goldberg, New York, N. Y., assignors to Consolidated Development & Improvements Corp. Control device with impulse drive. 2,530,749, Nov. 21.
Yardeny, Michel N., New York, R. Bernas, Bronx, and S. Goldberg, New York, N. Y.; said Bernas and said Goldberg assignors to said Yardeny. Two wire follow-up system. 2,530,750, Nov. 21.
Yardeny, Michel N., and A. Razdowitz, New York, N. Y.; said Razdowitz assignor to said Yardeny. Switch-over system. 2,531,187, Nov. 21.
Yardeny, Michel N., and R. Bernas, New York, N. Y.; said Bernas assignor to said Yardeny. Switching device. 2,531,186, Nov. 21.
Yardley of London, Inc., assignee: *See*—
Capey, Reco.
Yardley Plastics Company, assignee: *See*—
Weber, Donald J.
Yarman, Paul J., Barberton, assignor to The Ohio Boxboard Company, Rittman, Ohio. Loading pallet. 2,493,562, Jan. 3.
Yarnell, Howard W.: *See*—
Lorenz, Otto A., and Yarnell.
Yarnell, John D., Seattle, Wash. Screen for paint guns. 2,529,827, Nov. 14.
Yarnell-Waring Company, assignee: *See*—
Kinderman, Walter J.
Yarrick, Charles J., West Collingswood, N. J., assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa. Circuit breaker shock operated lock open device. 2,506,187, May 2.
Yarrick, Charles J., Collingswood, N. J., and E. H. Fredrickson, assignors to I-T-E Circuit Breaker Company, Philadelphia, Pa. Multirange overcurrent relay. 2,520,792, Aug. 29.
Yarrow, Joseph S., Litchfield County, Conn. Mounting means for oscillatory display devices. 2,529,720, Nov. 14.
Yarus, Sidney B., assignee: *See*—
Verbsky, Thomas J.
Yates, Cecil F., North Hollywood, and C. B. Nolte, Altadena, assignors to The Fluor Corporation, Ltd., Los Angeles, Calif. High-temperature liquid pulsation dampener. 2,501,804, Mar. 28.
Yates, Charles G., Jr., Schenectady, N. Y., assignor to General Electric Company. Automatic pitch control. 2,531,188, Nov. 21.
Yates, Cy J., assignor to Tri-State Plastic Molding Co., Henderson, Ky. Container closure. 2,533,159, Dec. 5.
Yates, De Witt E., Chippewa Falls, Wis., assignor to W. S. Darley & Company, Chicago, Ill. Combined turbine and centrifugal booster pump. 2,502,241, Mar. 28.
Yates, De Witt E., Chippewa Falls, Wis., assignor to W. S. Darley & Company, Chicago, Ill. Combined turbine and centrifugal booster pump. 2,516,822, July 25.
Yates, Irving E., assignor to Gilmar Shirt Co., Inc., New York, N. Y. Sport garment. 2,523,175, Sept. 19.
Yates, Harold R., assignor to Nusign Electric Limited, Toronto, Ontario, Canada. Interchangeable illuminated letter sign. 2,499,049, Feb. 28.
Yates, Joseph, Bountiful, Utah. Marble shooter. 2,533,659, Dec. 12.
Yates, Paul R., Salt Lake City, Utah. Coupling. 2,494,639, Jan. 17.
Yates, William M., and H. E. Swayze, assignors to The Dow Chemical Company, Midland, Mich. Production of carbothermal magnesium furnace charge. 2,508,878, May 23.
Yaun, Jesse F., Baton Rouge, La. Drag bucket. 2,501,429, Mar. 21.
Yazoo Manufacturing Company, Inc., assignee: *See*—
Barker, John, and Ghere.
Yeakel, Jacob E., Denver, Colo. Door latch strike plate. 2,503,536, Apr. 11.
Yeamans, Charles K., Houston, Tex. Electric air circulating heater. 2,511,139, June 13.
Yeamans, Charles K., Houston, Tex. Hard-boiled egg-shell remover. 2,535,980, Dec. 26.
Yeandle, William W., Pittsburg, Kans., assignor to Spencer Chemical Company. Granulating ammonium nitrate and other salts and apparatus therefor. 2,528,407, Oct. 31.
Yeasting, Maynard C.: *See*—
Marshall, Charles O., Jr., and Yeasting.
Yeater, Max L.: *See*—
Gaerttner, Erwin R., and Yeater.
Yeater, Max L., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Ionization pressure gauge. 2,519,807, Aug. 22.
Yeater, Max L., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Indicating ionization pressure. 2,530,111, Nov. 14.
Yeck, John D., assignee: *See*—
Stolz, Owen M.
Yeglin, Jake, assignee: *See*—
Hansen, Bruno.
Yeidel, Dorothy R., assignor, by mesne assignments, to M. Walanka and D. Walanka, Chicago, Ill. Lamp shade and manufacture. 2,516,286, July 25.
Yelland, William E. C.: *See*—
Darling, Elton R., and Yelland.
Yellen, David: *See*—
Moskowitz, Seymour.
Yellott, John I., Baltimore, Md., assignor to Institute of Gas Technology, Chicago, Ill. Apparatus for disintegration of solids. 2,515,541, July 18.
Yellott, John I., Chicago, Ill., and L. E. Savory, New York, N. Y., assignors to Institute of Gas Technology, Chicago, Ill. Acoustic generator. 2,519,619, Aug. 22.
Yellott, John I., Cockeysville, Md., assignor to Institute of Gas Technology, Chicago, Ill. Disintegration of solids. 2,515,542, July 18.
Yellott, John I., Cockeysville, Md., assignor to Bituminous Coal Research, Inc., Washington, D. C. Generating electric locomotive with coal-fired gas turbine. 2,533,866, Dec. 12.
Yellott, Kinloch N., Cockeysville, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Treating bituminous materials. 2,501,149, Mar. 21.
Yellow Cab Company of Missouri, assignee: *See*—
Bruns, George J.
Yen, Ernest C., and E. E. Stirn, Pearl River, assignors to American Cyanamid Company, New York, N. Y. Silicone resin medicament coating. 2,512,192, June 20.
Yendall, Edward F., Kenmore, N. Y., assignor to The Linde Air Products Company. Process and apparatus for separating gas mixtures. 2,514,921, July 11.
Yendall, Edward F., and G. H. Zenner, Kenmore, N. Y., assignors to The Linde Air Products Company. Process of and apparatus for separating gas mixtures. 2,518,652, Aug. 15.
Yenni, Donald M., Kenmore, N. Y., assignor to The Linde Air Products Company. Apparatus for bending rods of corundum and spinel. 2,513,545, July 4.
Yenni, Donald M., and T. F. Hart, Kenmore, N. Y., assignors to The Linde Air Products Company. Thermally treating precious and semiprecious stones. 2,527,669, Oct. 31.
Yenni, William H., Neillsville, Wis., assignor to Joseph Weidenhoff, Inc. Battery charger. 2,502,398, Mar. 28.
Yensen, Arthur E., and W., Homedale, Idaho. Weed destroyer. 2,501,925, Mar. 28.
Yensen, Walter: *See*—
Yensen, Arthur E. and W.
Yentzen, George J., Nederland, Tex. Duck caller. 2,493,472, Jan. 3.
Yenzer, George R., Westfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrodynamic phonograph pickup. 2,531,242, Nov. 21.
Yeoman, David E., assignee: *See*—
Bley, Fred M.
Yeoman, Florence, assignee: *See*—
Bley, Fred M.
Yeoman, Ray C., assignor to Texas Foundries, Inc., Lufkin, Texas. Load transfer device. 2,498,472, Feb. 21.
Yeoman, Ray C., assignor to Texas Foundries, Inc., Lufkin, Tex. Load transfer device. 2,505,929, May 2.
Yeoman, Ray C., assignor to Texas Foundries, Inc., Lufkin, Tex. Load transfer device. 2,505,930, May 2.
Yeoman, Ray C., assignor to Texas Foundries, Inc., Lufkin, Tex. Load transfer device. 2,509,180, May 23.
Yeoman, Ray C., assignor to Texas Foundries, Inc., Lufkin, Tex. Load transfer device. 2,509,663, May 30.
Yeomans, Clive M.: *See*—
Graham, Erwin W., and Yeomans.
Yerger, John R., Lititz, Pa. Hockey stick. 2,504,242, Apr. 18.
Yerkes, John A., New York, N. Y. Paper punch. 2,524,582, Oct. 3.
Yerkes, John A., New York, N. Y. Paper punch. 2,524,583, Oct. 3.
Yerkes, John A., New York, N. Y. Paper punch. 2,534,094, Dec. 12.
Yerkovich, Simon: *See*—
Roberts, Frederick W., and Yerkovich.

Yezdan, Theodore R., Fresno, Calif. Range finder. 2,519,727, Aug. 22.
Ylinen, Klaus J., Stockholm, Sweden. Time switch. 2,524,338, Oct. 3.
Ylinen, William, Otis Orchards, Wash. Door lock. 2,521,111, Sept. 5.
Yingling, Frank B., Hamilton, Ohio. Rotary mixer. 2,501,805, Mar. 28.
Yirava, Charles R.: *See*—
Johnson, James E., and Yirava.
Yoars, Fred P., New Orleans, La. Tray. 2,510,453, June 6.
Yoder Co., The, assignee: *See*—
Weyant, Valone V.
Yoder, Joe, Cleveland, Ohio, assignor to General Electric Company. Terminal and seal construction for electric lamps and similar devices. 2,535,773, Dec. 26.
Yoder, Joe, Milwaukee, Wis., and R. Auth, South Euclid, Ohio, assignors to General Electric Company. Method and apparatus for bending and exhausting tubular lamps. 2,494,923, Jan. 17.
Yohe, Lester N., Upper Darby, Pa. Ice-cream freezer. 2,511,313, June 13.
Yohe, Lester N., Upper Darby, Pa. Apparatus for freezing desserts. 2,511,314, June 13.
Yokel, Edward C.: *See*—
Foster, Maurice E., and Yokel.
Yost, Russell R., Jr., Port Washington, N. Y., assignor to the United States of America as represented by the Secretary of War. Single side band modulator. 2,535,340, Dec. 26.
Yntema, Leonard F., Webster Groves, and M. J. Ksycki, assignors to president and board of trustees of St. Louis University, St. Louis, Mo. Electroplating molybdenum and its alloys. 2,499,807, Mar. 7.
Yntema, Leonard F., Webster Groves, and M. J. Ksycki, assignors to president and board of trustees of St. Louis University, St. Louis, Mo. Electroplating molybdenum and molybdenum alloys. 2,499,808, Mar. 7.
Yocum, Lewis H., Humboldt, Iowa. Motor attachment for lawn mowers. 2,522,331, Sept. 12.
Yohn, Anna M., Washington, D. C. Button attaching means. 2,514,435, July 11.
Yolles, Jack, Dayton, Ohio. Making low-loss delay lines 2,520,991, Sept. 5.
Yonamine, Ernest T., Honolulu, Territory of Hawaii. Vehicle spring suspension. 2,524,505, Oct. 3.
Yonkers, Edward H., assignor to Joslyn Manufacturing and Supply Company, Chicago, Ill. Fused cutout. 2,493,432, Jan. 3.
Yonkers, Edward H., assignor to Joslyn Manufacturing and Supply Company, Chicago, Ill. Fused cutout. 2,493,433, Jan. 3.
Yonkers, Edward H., Chicago, Ill. Alternating current generator. 2,500,730, Mar. 14.
Yonkers, Edward H., assignor to Joslyn Manufacturing and Supply Company, Chicago, Ill. Protective apparatus. 2,508,055, May 16.
Yonkers, Edward H., Jr., Glencoe, Ill. Suction cleaner nozzle. 2,510,270, June 6.
Yonkers, John L., Northbrook, assignor to Joslyn Manufacturing and Supply Company, Chicago, Ill. Manufacturing fuse links. 2,493,434, Jan. 3.
Yoos, Jesse H., McCook, Nebr. Circular saw setting machine. 2,506,406, May 2.
York Corporation, assignee: *See*—
Aldinger, Jacob G.
Andrews, John M.
Chamberlain, Joseph R.
Moore, Paul B.
York, James W.: *See*—
Mahnke, Kurt, and York.
York, Raymond A., Pitman, and H. J. Woll, Audubon N. J., assignors to Radio Corporation of America Temperature sensitive control for electric blankets 2,518,108, Aug. 8.
Yoss, Murray: *See*—
Speckman, Samuel S., and Yoss.
Yost, Grace H., St. Louis, Mo. Spectacle holder attachment for telephones. 2,509,793, May 30.
Yost, Kermit D.: *See*—
Snyder, Leland H., and Yost.
Yost, Samuel H., Worthington, Ohio, assignor to The Jeffrey Manufacturing Company. Flame arrester. 2,514,823, July 11.
Yost, Vincent W., Lynwood, Calif. Variable mold for forming cork insulation. 2,528,808, Nov. 7.
Yost, Walter R., and H. B. Wampler, Washington, D. C. Multiple safety lock. 2,497,485, Feb. 14.
Youhouse, Joseph, Fairfield, Conn. Compressor turbine. 2,509,555, May 30.
Youhouse, Joseph, Fairfield, assignor to Casco Products Corporation, Bridgeport, Conn. Shaded pole motor. 2,509,583, May 30.
Youhouse, Joseph, Fairfield, assignor to Casco Products Corporation, Bridgeport, Conn. Electric appliance switch with position indicator. 2,522,423, Sept. 12.
Young, Alexander R.: *See*—
Martin, Henry A., Young, and Nelly.
Young, Allan M., Meriden, Conn., assignor to General Electric Company. Crumb scraper and ejector. 2,494,373, Jan. 10.
Young, Archie: *See*—
Arlow, Robert, and Young.
Young, Arthur E.: *See*—
Bacon, Kenneth D., and Young.
Young, Arthur E., and K. D. Bacon, assignors to The Dow Chemical Company, Midland, Mich. Hot-melt coating composition. 2,517,754, Aug. 8.
Young, Arthur M., assignor to Bell Aircraft Corporation, Buffalo, N. Y. Rotating wing aircraft. 2,510,006, May 30.
Young, Arthur R., assignor to Barber-Colman Company, Rockford, Ill. Electromagnetic relay. 2,533,160, Dec. 5.
Young, Austin E.: *See*—
Cook, Curtiss L., and Young.
Young, Austin E., assignor to Syracuse Chilled Plow Co., Inc., Syracuse, N. Y. Attachment for harrows. 2,522,011, Sept. 12.
Young, Austin E., assignor to Syracuse Chilled Plow Co., Inc., Syracuse, N. Y. Slack-eliminating mechanism for traction power lifts. 2,526,058, Oct. 17.
Young Brothers Company, assignee: *See*—
Fox, Vernie A.
Young, Carey M., New York, N. Y. Dissolving device for multiple projectors. 2,530,417, Nov. 21.
Young, Carl T., Albany, N. Y., assignor to the United States of America as represented by the Secretary of the Navy. Fuel valve. 2,515,068, July 11.
Young, Charles A., Cleveland Heights, assignor to Willard Storage Battery Company, Cleveland, Ohio. Method and apparatus for assembling battery elements. 2,498,021, Feb. 21.
Young, Charles A., Gloucester, Mass. Safety lock for firearms. 2,530,560, Nov. 21.
Young, Charles A. N.: *See*—
Vichie, Martin, and Young.
Young, Charles E.: *See*—
Sproule, William K., Young, and Snitch.
Young, Charles J., Princeton, N. J., assignor to Radio Corporation of America. Electroacoustic delay system. 2,517,819, Aug. 8.
Young, Charles J., Princeton, N. J., assignor to Radio Corporation of America. Facsimile system having rotating scanner moving longitudinally within stationary transparent drum. 2,532,799, Dec. 5.
Young, Chris: *See*—
Eriksen, Leonard, and Young.
Young, Clarence, St. Louis, Mo. Antiskid attachment for shoes. 2,511,191, June 13.
Young, Clarence B. F., and E. J. Calleton, Leonia, N. J., assignors to National Southern Products Corporation, New York, N. Y. Treating crude sulfate soap skimmings. 2,507,237, May 9.
Young, Clarence H., Lincoln Park, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Magnetic compensation system. 2,504,778, Apr. 18.
Young, Clarence P., Bellflower, Calif. Beveled wall hook. 2,511,140, June 13.
Young, D'Arcy A., Jr., assignor to Eastman Kodak Company, Rochester, N. Y. Viscous fluid shutter retard mechanism. 2,507,182, May 9.
Young, David W.: *See*—
Elmore, Norman M., and Young.
Garber, John D., Sparks, and Young.
Morway, Arnold J., and Young.
Schneider, Helmuth G., and Young.
Smyers, William H., and Young.
Young, David W., Roselle, and J. P. Rocca, Linden, N. J., assignors to Standard Oil Development Company. Making a polyester. 2,497,968, Feb. 21.
Young, David W., Roselle, and W. H. Smyers, Westfield, N. J., assignors to Standard Oil Development Company. Lubricating grease. 2,504,779, Apr. 18.
Young, David W., Roselle, N. J., and H. D. Hineline, Mount Vernon, N. Y., assignors to Standard Oil Development Company. Nitrite ester diluent polymerization process. 2,507,133, May 9.
Young, David W., Roselle, N. J., and J. D. Calfee, Manhasset, N. Y., assignors to Standard Oil Development Company. Solid oxidized polymer of alkyl pentadiene. 2,513,389, July 4.
Young, David W., Roselle, and W. J. Sparks, Cranford, N. J., assignors to Standard Oil Development Company. Composition of brittle resin and styrene-isobutylene copolymer. 2,516,741, July 25.
Young, David W., Roselle, and W. H. Smyers, Westfield, N. J., assignors to Standard Oil Development Company. Compositions of different styrene-isobutylene copolymers. 2,519,092, Aug. 15.
Young, David W., Roselle, N. J., and H. D. Hineline, Mount Vernon, N. Y. assignors to Standard Oil Development Company. Softening butadiene-styrene copolymer with propylene-diolefin copolymer. 2,521,437, Sept. 5.
Young, David W., Roselle, N. J., assignor to Standard Oil Development Company. Hydrocarbon copolymers and use thereof as lube oil additive. 2,534,095, Dec. 12.
Young, Don H.: *See*—
Gilchrist, Harry R., Jr., and Young.
Young, Don H., West Hempstead, assignor to Dictograph Products Company, Inc., New York, N. Y. Casing for unitary hearing aids. 2,497,336, Feb. 14.
Young, Don W., Dayton, Ohio. Angle of attack and yaw device, null pressure type. 2,513,390, July 4.
Young, Donald H., Manhasset, N. Y. Toggle means for jaw crushers. 2,500,109, Mar. 7.

Young, Douglas, Inc., assignee: *See*—
Young, Lewis D.
Young, Douglass A., East Orange, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Moving coil electrical instrument. 2,516,740, July 25.
Young, Douglass A., East Orange, and L. J. Lunas, Cedar Grove, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Moving coil armature electrical instrument. 2,508,439, May 23.
Young, Douglass A., East Orange, B. E. Lenehan, Bloomfield, and H. F. Bush, Florham Park, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrical phase measuring instrument. 2,531,018, Nov. 21.
Young, Earle A.: *See*—
Clutz, Charles W., and Young.
Young, Edward E.: *See*—
Young, James R., H., and E. E.
Young, Ferra, assignee: *See*—
Wadsworth, Clifford.
Young, Forrest J., Los Angeles, Calif., assignor to The National Supply Company, Pittsburgh, Pa. Apparatus for water-cooling brake rims. 2,526,525, Oct. 17.
Young, Frank G., Charleston, W. Va., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Production of enol acetates. 2,511,423, June 13.
Young, Frank H.: *See*—
Walker, Frank R., and Young.
Young, Frank W., Medfield, and S. A. Fahlgren, Wrentham, assignors to Bird Machine Company, South Walpole, Mass. Method of and apparatus for screening paper pulp. 2,505,513, Apr. 25.
Young, Fred M., assignor to Young Radiator Company, Racine, Wis. Radiator core mounting. 2,506,051, May 2.
Young, Fred M., assignor to Young Radiator Company, Racine, Wis. Radiator header construction. 2,512,560, June 20.
Young, Fred M., assignor to Young Radiator Company, Racine, Wis. Detachable damper for convector heaters. 2,516,358, July 25.
Young, Fred M., assignor to Young Radiator Company, Racine, Wis. Fin assembly machine for heat-exchange cores. 2,517,370, Aug. 1.
Young, Fred M., assignor to Young Radiator Company, Racine, Wis. Radiator tank reinforcement. 2,525,087, Oct. 10.
Young, Garth L., and W. Ostling, assignors to California Machinery and Supply Co. Ltd., Los Angeles, Calif. Auxiliary Venturi vacuum adapter for vacuum controlled spark advance. 2,508,851, May 23.
Young, George O., Robesonia, assignor to Vanity Fair Mills, Inc., Reading, Pa. Thread letoff mechanism. 2,514,824, July 11.
Young, Gerald W., Schenectady, N. Y., assignor to General Electric Company. Coating compositions for magnetic materials. 2,493,609, Jan. 3.
Young, Harland H.: *See*—
Holloway, Donald F., and Young.
Young, Harland H., and E. F. Christopher, assignors to Swift & Company, Chicago, Ill. Recovery of sterols from wool fat. 2,528,482, Oct. 31.
Young, Harleigh C., Washington, D. C. Fish scaler. 2,519,095, Aug. 15.
Young, Harold N.: *See*—
Young, Thomas J., Rambo, and Young.
Young, Harry D., Pittsburgh, Pa., and H. J. Morrison, Baltimore, Md., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Radio apparatus. 2,519,305, Aug. 15.
Young, Henry B.: *See*—
Kirkpatrick, Ruel, and Young.
Young, Henry B., assignor to Mission Manufacturing Company, Houston, Tex. Gland packing. 2,527,088, Oct. 24.
Young, Henry B., assignor to Mission Manufacturing Company, Houston, Tex. Slush pump piston rod assembly. 2,528,104, Oct. 31.
Young, Homer W., Ilion, N. Y. Phototypographic composing machine having electromagnetic spacing means. 2,503,647, Apr. 11.
Young, Horace G.: *See*—
Benson, Earl L., Young, and Hunt.
Young, Howard: *See*—
Young, James R., H., and E. E.
Young Iron Works, assignee: *See*—
Hansen, Arthur E.
Young, Irvin L., Chicago, Ill. Hoist chain equipment. 2,529,858, Nov. 14.
Young, Irvin L., Chicago, Ill. Paper-cutting machine. 2,530,319, Nov. 14.
Young, J. W., & Sons Limited, assignee: *See*—
Young, James R., H., and E. E.
Young, Jack H.: *See*—
Brockway, Wilhelm W., Le Cron and Young.
Young, James B., and A. J. Riches, Stafford, assignors to The English Electric Company Limited, London, England. Control system for mechanically coupled induction motors. 2,500,595, Mar. 14.
Young, James F.: *See*—
Clark, David L., and Young.
Young, James F., Bridgeport, Conn., assignor to General Electric Company. Automatic washing machine control. 2,526,445, Oct. 17.
Young, James F., and C. S. Dayton, Bridgeport, Conn., assignors to General Electric Company. Gear and clutch mechanism for spinner type clothes washing machines. 2,497,686, Feb. 14.
Young, James F., and C. S. Dayton, Bridgeport, Conn., assignors to General Electric Company. Drainboard washer mechanism. 2,511,681, June 13.
Young, James H., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Controlling polymerization reactions. 2,497,828, Feb. 14.
Young, James H., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of organic peroxide polymerization catalysts. 2,525,628, Oct. 10.
Young, James H., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Preparation of calcium peroxide. 2,533,660, Dec. 12.
Young, James R., H. and E. E., assignors to J. W. Young & Sons Limited, Redditch, England. Fishing reel. 2,495,621, Jan. 24.
Young, John, Jr., South Gate, and R. J. Bower, Los Angeles, Calif., assignors to Hughes Tool Company, Houston, Tex. Tube support. 2,534,690, Dec. 19.
Young, John S., Greensburg, Pa. Electric air circulating oil well heater. 2,530,445, Nov. 21.
Young, John T., and O. R. Angelillo, Los Angeles, Calif. Plating with metal carbonyl. 2,523,461, Sept. 26.
Young, Jonas L., Catasauqua, Pa. Removable utensil handle. 2,497,384, Feb. 14.
Young, Kenneth A.: *See*—
Gross, Thomas A. O., and Young.
Young, Kenneth J.: *See*—
Ramstad, Paul E., Young, and Esser.
Young, L. A., Spring & Wire Corporation, assignee: *See*—
Asaro, Vito.
Ludwig, Walter.
Young, Larry L., assignor to Raymond M. Wilmotte Inc., New York, N. Y. Embossing thermoplastic sheets. 2,504,780, Apr. 18.
Young, Lautt F.: *See*—
Botts, Robert E.
Young, Lautt F., Corpus Christi, Tex. Gun clearing device. 2,495,800, Jan. 31.
Young, Lawrence R., Seattle, Wash. Applying casts. 2,512,081, June 20.
Young, Leonard P., Chester, Conn. Split handle for soldering irons and the like. 2,533,749, Dec. 12.
Young, Leonard W., Moor Park, and J. W. Taylor, New Denham, assignors to Ingersoll Limited, London, England. Door lock. 2,519,808, Aug. 22.
Young, Leonard W., Northwood, and J. W. Taylor, London, England. Cylinder lock. 2,524,339, Oct. 3.
Young, Lester C., Cleveland, Ohio, assignor to Spo, Inc. Jolt stripper molding machine. 2,508,440, May 23.
Young, Lewis D., Providence, R. I., assignor to Douglas Young, Inc. Display box. 2,504,942, Apr. 18.
Young, Lloyd L.: *See*—
Usselman, George L., and Young.
Young, Lloyd W.: *See*—
Chelborg, Rudolph, and Young.
Young, Lloyd W., Elizabeth, N. J., assignor to The Linde Air products Company. Pipe mitering machine. 2,495,360, Jan. 24.
Young, Lloyd W., Elizabeth, N. J., assignor to The Linde Air Products Company. Blowpipe apparatus. 2,528,809, Nov. 7.
Young, Lyman, Laguna Beach, Calif. Quartertone slide rule for musicians. 2,502,300, Mar. 28.
Young, Melvin K., Alexandria, Va. Plastic knuckle support. 2,523,606, Sept. 26.
Young, Neal F., Veradale, Wash. Greenhouse bench bed. 2,524,246, Oct. 3.
Young, Norman H., Jr.: *See*—
Lehmann, Gerard J., and Young, Jr.
Young, Norman H., Jr., Jackson Heights, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Signal pulse response facsimile receiving system. 2,516,936, Aug. 1.
Young, Norman H., Jr., Jackson Heights, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Receiver circuit. 2,516,937, Aug. 1.
Young, Norman H., Jr., Jackson Heights, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Detector for time modulated pulses. 2,517,618, Aug. 8.
Young, Norman H., Jr., and L. W. Parker, Jackson Heights, assignors to Federal Telecommunication Laboratories, Inc., New York, N. Y. Wide range amplifier. 2,499,443, Mar. 7.
Young, Norman H., Jr., Jackson Heights, M. Silver, Bronx, and H. A. French, Brooklyn, assignors to Federal Telecommunication Laboratories, Inc., New York, N. Y. Voltage regulator circuit. 2,528,569, Nov. 7.
Young, Philippe, Trois-Rivieres, Quebec, Canada. Valve stop. 2,512,987, June 27.
Young Radiator Company, assignee: *See*—
Brinen, Howard F.
Shaw, Joe C.
Shaw, Joe C., and Kidd.
Young, Fred M.
Wolff, Fred H., Jr.

Young, Ralph M.: *See*—
Biohm, Clyde L., and Young.
Young, Richard C.: *See*—
Bennett, Donald R., Pat, and Young.
Young, Richard E.: *See*—
Horsley, Caperton B., and Young.
Young, Richard V., assignor to Eastman Kodak Company, Rochester, N. Y. Masking photographic color images. 2,518,739, Aug. 15.
Young, Robert: *See*—
Wehrlin, Richard F., and Young.
Young, Stephen A., Delphi, Ind. Pop-up valve connection. 2,524,725, Oct. 3.
Young, Thomas J., J. B. Rambo, and H. N. Young, Meridian, Idaho. Hinged sweep or basket for tractor attachments. 2,497,385, Feb. 14.
Young, Victor J.: *See*—
Proskauer, Richard, and Young.
Young, Walter S., Peshastin, Wash. Adjustable ladder leg. 2,500,333, Mar. 14.
Young, Wilbur B.: *See*—
Jensen, Howard M., and Young.
Young, William D., Greenville, S. C. Ball stuffing machine with a pair of ball enclosing separable members having latching means releasable by predetermined pressure of stuffing within ball. 2,523,176, Sept. 19.
Young, William H., New York, N. Y. Seat friction hinge. 2,500,594, Mar. 14.
Young, William R., Fairfield, Conn., assignor to General Electric Company. Lamp holder for circular lamps. 2,503,931, Apr. 11.
Young, William R., Jr., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Off-channel squelch circuit for radio receivers. 2,533,543, Dec. 12.
Young, William S., *See*—
Hunter, James B., Taylor, and Young.
Young, William S., assignor to The Atlantic Refining Company, Philadelphia, Pa. Micromanometer. 2,509,327, May 30.
Youngbeck, Karl W., and H. J. Glueckstein, assignors to Globe-Union Inc., Milwaukee, Wis. Miniature multiple unit variable resistor. 2,525,993, Oct. 17.
Youngblood, James A., Dallas, Tex. Sawproof grating bar. 2,503,537, Apr. 11.
Youngblood, Robert N., Snyder, N. Y. Apparatus for determining hardness. 2,527,612, Oct. 31.
Younghusband, James L., Chicago, Ill. Powder box. 2,494,151, Jan. 10.
Younghusband, James L., Chicago, Ill. Rearview mirror. 2,534,495, Dec. 19.
Youngman, Dan G., Pendleton, Oreg. Concrete form. 2,518,847, Aug. 15.
Youngstown Steel Door Company, The, assignee: *See*—
Beauchamp, Wilfred A.
Ditchfield, Frank.
Madland, Thorvald.
Youngstrand, Hugo A., Chicago, Ill. Letter opening machine. 2,513,075, June 27.
Yount, Benjamin F., Alvin, Tex. Pressure regulating device for pipes. 2,503,896, Apr. 11.
Yount, Stanley G., Los Angeles, Calif. Method and apparatus for forming paper bags. 2,511,031, June 13.
Yourglich, Mildred M., and H. M. Bowe, Seattle, Wash., assignors to Boeing Airplane Company. Speednut holder. 2,498,324, Feb. 21.
Yowell, Howard L.: *See*—
McAteer, James H., Morrell, Small, and Yowell.
Yowell, Howard L., and L. A. Mikeska, Westfield, N. J., assignors to Standard Oil Development Company. Ethylene diamine condensation products and parasiticidal compositions containing them. 2,523,177, Sept. 19.
Yoxall, John, Detroit, Mich. Flared jamb furnace door frame. 2,529,272, Nov. 7.
Ysskin, Samuel, Newark, N. J. Starting device. 2,515,543, July 18.
Yuba Manufacturing Company, assignee: *See*—
Stremel, Raymond A.
Von Bolhar, Edgar.
Yuffy, Bernard: *See*—
Weigle, Francis H., and Yuffy.
Yuhaniak, Thomas: *See*—
Gibbons, Lloud, and Yuhaniak.
Yuhas, Marie, assignee: *See*—
Juhasz, James G.
Yule, John A. C., assignor to Eastman Kodak Company, Rochester, N. Y. Fluorescent coloring materials. 2,503,790, Apr. 11.
Yumoto, John M., Stillwater, Okla. Child's toilet seat. 2,517,755, Aug. 8.
Yundt, Michael, Company, assignee: *See*—
Gerlach, Charles L.
Hallead, Mervil.
Yushak, John, Garfield, N. J. Dog exercising machine. 2,506,322, May 2.
Yustin, Helen F., Akron, Ohio. Curtain stretcher. 2,521,889, Sept. 12.
Yutzy, Henry C., and G. F. Frame, assignors to Eastman Kodak Company, Rochester, N. Y. Gelatin derivatives. 2,525,753, Oct. 10.
Yuza, Rudolph, assignor to A. Dalkin Company, Chicago, Ill. Mechanical refrigerator water cooler. 2,526,526, Oct. 17.
Zaayer, David, and E. G. Dorgelo, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. High-frequency discharge tube apparatus. 2,497,809, Feb. 14.
Zabel, Harold H., H. G. Thomson, and B. F. Tellkamp, assignors to Allen-Bradley Company, Milwaukee, Wis. Fixed electrical resistor. 2,526,059, Oct. 17.
Zabel, Rolland M.: *See*—
White, Donald W., Jr., and Zabel.
Zabel, William P., Cleveland Heights, Ohio, assignor to General Electric Company. Manufacturing vapor-supplying cartridges. 2,518,970, Aug. 15.
Zabel, William P., Jr., Cleveland Heights, Ohio. Tape applicator. 2,534,691, Dec. 19.
Zabriskie, Arthur E., Jersey City, N. J., and W. E. Lundgren, Sharon, Mass., assignors to The M. W. Kellogg Company, Jersey City, N. J. Cloth roll support. 2,510,545, June 6.
Zabriskie, Fosdick: *See*—
Zabriskie, George A., III, and F.
Zabriskie, George A., III, New York, and F. Zabriskie, Brooklyn, assignors to Airline Foods Corp., Manhattan, N. Y. Making ice cream layer cake. 2,517,756, Aug. 8.
Zacher, Norman: *See*—
Schiel, William, and Zacher.
Zachmann, Jules N., Temple City, and R. L. Franklin, Los Angeles, Calif. Combined printing and whirling device. 2,512,126, June 20.
Zack, Bonnie J.: *See*—
Parker, Leon, and Zack.
Zackman, Adolph J., assignee: *See*—
Mondloch, Benedict J.
Zacks, Florence B., assignor to R. G. Barry Corporation, Columbus, Ohio. Shoulder pad. 2,497,808, Feb. 14.
Zadek, James L., Oak Park, Ill. Vibrator. 2,512,536, June 20.
Zadig, Ernest A., Norwalk, Conn. Portable lamp. 2,525,163, Oct. 10.
Zagar, Frank G., Euclid, assignor to Zagar Tool, Inc., Cleveland, Ohio. Multiple spindle driving mechanism. 2,522,735, Sept. 19.
Zagar, Frank G., Euclid, assignor to Zagar Tool, Inc., Cleveland, Ohio. Parallel motion multiple spindle head. 2,522,736, Sept 19.
Zagar Tool, Inc., assignee: *See*—
Zagar, Frank G.
Zagor, Herbert I., New York, N. Y. Sweep voltage generator. 2,508,879, May 23.
Zagrodny, Philip W., Chicago, Ill. Roll-a-way window screen. 2,514,274, July 4.
Zagurski, John, Williston, N. Dak. Ditcher hitch. 2,527,613, Oct. 31.
Zahl, Harold A., Long Branch, N. J. Electronic tube. 2,522,557, Sept. 19.
Zahler, Ben, assignor to Columbia Blind Stitch Machine Mfg. Corp., New York, N. Y. Sewing machine. 2,494,790, Jan. 17.
Zahm, George G., Buffalo, assignor to Hurd Corporation, New York, N. Y. Apparatus and method for the evaporation and concentration of liquids. 2,512,513, June 20.
Zahn, Otto E., assignor to America Wheelabrator & Equipment Corporation, Mishawaka, Ind. Graining or abrading lithographic plates or the like by centrifugal blast of wet slurry. 2,532,136, Nov. 28.
Zahner, John M., Ogden, Utah. Sand playbox. 2,511,089, June 13.
Zahodiakin, Victor F., Short Hills, N. J. Segmental piston ring. 2,504,914, Apr. 18.
Zahodiakin, Victor F., Short Hills, N. J. Fastening device. 2,514,113, July 4.
Zahodiakin, Victor F., Short Hills, N. J. Fastening device. 2,514,922, July 11.
Zahodiakin, Victor F., Short Hills, N. J. Fastening device. 2,527,783, Oct. 31.
Zahodiakin, Victor F., Short Hills, N. J. Fastening device. 2,529,582, Nov. 14.
Zahodiakin, Victor F., Short Hills, N. J. Fastening device. 2,533,414, Dec. 12.
Zaiger, Louis, Lynn, Mass. Windshield wiper. 2,499,809, Mar. 7.
Zaiger, Louis, Swampscott, Mass. Windshield wiper. 2,508,056, May 16.
Zaiger, Louis, Swampscott, Mass. Windshield wiper arm. 2,528,258, Oct. 31.
Zaiger, Max, assignee: *See*—
Nesson, Israel.
Zaikowsky, Nina D., assignee: *See*—
Zaikowsky, Wladimir M.
Zaikowsky, Wladimir M., Pasadena, Calif., assignor to N. D. Zaikowsky. Gas analysis apparatus. 2,506,535, May 2.
Zajdel, Casimir M., Chicago, Ill. Revolving turret adapter. 2,521,274, Sept. 5.
Zak, Albert: *See*—
Chodacki, Joseph, and Zak.
Zak, Jerry J.: *See*—
Rose, Morris, and Zak.
Zakariasen, Louis S., Excelsior, Minn. Releasable fastener for attaching chairs to floors. 2,525,008, Oct. 10.
Zaleske, Michael J., Union, N. J., assignor to Ideal Clamp Manufacturing Co., Inc., New York, N. Y. Hose clamp. 2,515,484, July 18.

Zalkind, Philip, New York, N. Y. Index and reinforcing member. 2,507,659, May 16.
Zaloudek, John R., Omaha, Nebr. Garment bagging machine. 2,521,197, Sept. 5.
Zaltzman, Arthur: *See*—
Port, Frederick J., Jr., Kamin, and Zaltzman.
Zana, John J., and A. J. Demarco, Cleveland, Ohio. Soldering iron. 2,514,736, July 11.
Zanardo, Peter J., Chicago, Ill. Cigarette container, dispenser, and lighter. 2,532,689, Dec. 5.
Zandelin, Johan S., Stora Essingen, Stockholm, Sweden. Card register. 2,506,261, May 2.
Zander, Harold O.: *See*—
Churchill, Harold E., Haigh, and Zander.
Zander, Harold O., assignee: *See*—
Baade, Henry.
Zander, Raymond A., Chicago, Ill. Easel. 2,526,527, Oct. 17.
Zandmer, Solis M., Los Angeles, Calif. Pressure reduction chamber and unloading valve for explosives. 2,504,611, Apr. 18.
Zanetti, Andrew D., San Francisco, Calif. Liquid applicator for gluing machines. 2,533,704, Dec. 12.
Zanetti, Angelo: *See*—
Testut, Charles L., and Zanetti.
Zanollo, Nicholas C., Durango, Colo. Head spacer gauge for rifles. 2,502,613, Apr. 4.
Zanona, John, Vulcan, Mich. Forget-proof window lock. 2,503,370, Apr. 11.
Zapart, Bruno J., Chicago, Ill., and R. A. Mack, Phoenix, Ariz. Evaporative cooler. 2,517,156, Aug. 1.
Zapoleon, Max M., Dayton, Ohio. Golf bag. 2,534,096, Dec. 12.
Zar, Jacob L., Orange, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Magnetically biased indicating instrument. 2,493,376, Jan. 3.
Zaras, Louis, Paterson, N. J. Hernia pad. 2,506,323, May 2.
Zaras, Louis, New York, N. Y. Hernia belt construction. 2,527,205, Oct. 24.
Zarkin, Charles, assignee: *See*—
Halpern, Bernard R.
Zarkin, Charles, and B. R. Halpern, New York, N. Y.; assignors to said Zarkin. Printing plate coating machine. 2,519,809, Aug. 22.
Zarn, Adolphe, Zurich, Switzerland. Shuttle checking device for looms. 2,498,022, Feb. 21.
Zaro, Nicholas J., assignee: *See*—
Anderson, Ralph A.
Zaroban, Richard F., assignor to Dutton-Lainson Co., Hastings, Nebr. Hand pump oiler. 2,498,228, Feb. 21.
Zaroban, Richard F., assignor to Dutton-Lainson Company, Hastings, Nebr. Miniature greenhouse. 2,526,313, Oct. 17.
Zarobsky, Charles A., assignor to The Parker Appliance Company, Cleveland, Ohio. Barstock marking machine. 2,497,386, Feb. 14.
Zarow, Albert I., assignor, by mesne assignments, to Beverage Process Corporation, Louisville, Ky. Processing alcoholic beverage distillates. 2,520,189, Aug. 29.
Zarybnicky, Edward J.: *See*—
Matthews, Birchard L., and Zarybnicky.
Zasadny, Peter, and B. J. Zitek, Chicago, Ill., assignors, by mesne assignments, to Porter-Cable Machine Company, Syracuse, N. Y. Gripping and tensioning device for rubbing pad abrading sheets. 2,519,620, Aug. 22.
Zatyko, Frank, Cleveland, Ohio. Making pulleys. 2,493,053, Jan. 3.
Zaun, Henry C., New York, assignor to Filtors, Inc., Long Island City, N. Y. Oil filter. 2,525,330, Oct. 10.
Zavales, Charles T., Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Milliamperage stabilizer. 2,512,193, June 20.
Zavarella, Raphael, Pittsburgh, Pa. Rotary hydraulic coupling. 2,533,544, Dec. 12.
Zavatkay, Frederick F., New Haven, Conn. Folding pile driver lead. 2,501,369, Mar. 21.
Zawistowski, Martin, Huntington Station, N. Y. Cloth-cutting machine. 2,529,441, Nov. 7.
Zayac, Peter, assignee: *See*—
Thomas, William S.
Zazulenchuck, Steve: *See*—
Webster, Fred, and Zazulenchuck.
Zbell, Samuel P., Pelham, assignor to Pavelle Color Incorporated, New York, N. Y. Autofocus projection printer. 2,501,462, Mar. 21.
Zbrojovka Brno, assignee: *See*—
Jozif, Josef.
Zbrojovka Brno Narodni Podnik, assignee: *See*—
Heyrovsky, Jaroslav.
Koucký, Josef.
Werner, Vilém, and Kubelka.
Zbrojovka Brno, Narodni Podnik (also named Brno Arms Factory, National Corporation, assignee: *See*—
Koucky, Josef.
Zearfoss, Elmer W., Jr., assignor to Philco Corporation, Philadelphia, Pa. Refrigerant flow control. 2,518,587, Aug. 15.
Zearfoss, Elmer W., Jr., assignor to Philco Corporation, Philadelphia, Pa. Refrigeration system and method. 2,519,010, Aug. 15.
Zebrowski, Frank E., New York, N. Y. Filing cabinet. 2,508,984, May 23.
Zech, John D.: *See*—
Greenlee, Sylvan O., and Zech.
Zecha, Dorothy, assignee: *See*—
Zecha, Simon.
Zecha, Simon, assignor of twenty per cent to D. Zecha, Pittsburgh, Pa. Garment. 2,521,767, Sept. 12.
Zeckman, Jack R., Centralia, Wash. Translation system. 2,535,341, Dec. 26.
Zeder, James C.: *See*—
Breer, Carl, Zeder, and Cousino.
Zedler, Arthur O., Yonkers, N. Y. Christmas tree or antenna stand with suction base. 2,534,894, Dec. 19.
Zehnder, Louis R.: *See*—
Kuehn, William J., and Zehnder.
Zehner, Edward P., Houston, and O. D. Hunn, Pasadena, Tex., assignors to Sinclair Refining Company, New York, N. Y. Coloring material for lubricating oils. 2,519,868, Aug. 22.
Zehr, William J., Mount Vernon, Ohio, assignor to Shellmar Products Corporation, Chicago, Ill. Forming containers. 2,524,584, Oct. 3.
Zeidler, Kurt E., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Cushioned car coupler support and positioning device. 2,513,834, July 4.
Zeidler, Kurt E., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Refrigerant container for railway cars. 2,532,473, Dec. 5.
Zeidler, Reinhold C., Detroit, Mich., assignor to Borg-Warner Corporation, Chicago, Ill. Assembling and retaining radially disposed vanes. 2,505,820, May 2.
Zeier, Frederick F., Stratfield, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Throat plate for sewing machines. 2,500,731, Mar. 14.
Zeier, Frederick F., Stratfield, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Thread controller for sewing machines. 2,525,088, Oct. 10.
Zeigler, Albert H.: *See*—
Bluhm, Fred A., Hayes, and Zeigler.
Zeigler, Albert H., Evanston, assignor to Armour and Company, Chicago, Ill. Making fibrous materials. 2,502,361, Mar. 28.
Zeigler, Frank E., Burbank, and G. R. Harris, Montrose, Calif. Making stainless steel double sinks. 2,520,486, Aug. 29.
Zeigler, Gerald, Denver, Colo., assignor to Bear Manufacturing Company, Rock Island, Ill. Wheel aligning gauge. 2,522,916, Sept. 19.
Zeigler-Harris & Co., Inc., assignee: *See*—
Harris, George R.
Zeigler, Harry R., Bartlesville, Okla., assignor to Phillips Petroleum Company. Pump for tractor-drawn trailer tanks. 2,506,911, May 9.
Zeigler, Paul P., and C. R. St. John, Spokane, Wash., assignors to Kaiser Aluminum & Chemical Corporation. Differential cooling in casting metals. 2,515,284, July 18.
Zeigler, Robert J., Pittsburgh, Pa. Garment hanger with clamping device. 2,503,648, Apr. 11.
Zeiler, Gustav A., Lenzburg, Switzerland. Machine for grooving sheet metal pieces, including metal lids. 2,519,869, Aug. 22.
Zeilman, Roy H., assignor to The Thew Shovel Company, Lorain, Ohio. Automotive hydraulic braking system. 2,493,377, Jan. 3.
Zeiss, Harold H., Tenafly, N. J., assignor, by mesne assignments, to Pierce Laboratory, Inc., New York, N. Y. Podocarpinol. 2,504,612, Apr. 18.
Zeiss, Harold H., Fairlawn-Radburn, N. J., assignor, by mesne assignments, to Pierce Laboratory, Inc., New York, N. Y. Diphenyl-t-6-hydroxydehydroabietinol. 2,532,137, Nov. 28.
Zeitlin, Edward J., Brooklyn, N. Y. Temperature control system for heating units. 2,531,593, Nov. 28.
Zelam Rubber Cement Plug Co., assignee: *See*—
Lamb, Charles.
Zele, Leon H., Torrington, Conn. Antiskid device. 2,498,023, Feb. 21.
Zelenitz, Benjamin, Brooklyn, N. Y. Mechanical pencil. 2,502,773, Apr. 4.
Železný, Antonín. Velesin, Czechoslovakia. Regulation of the suction action control with two-stroke engines. 2,505,454, Apr. 25.
Zell, Daniel D., assignee: *See*—
Tamoschat, William.
Zeller, Herman L., Wilkes-Barre, Pa. Protective face guard. 2,525,389, Oct. 10.
Zellers, Mabel W., Reading, Pa. Mineral pellets. 2,512,537, June 20.
Zelley, Walter G., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Treatment of oxide coatings on aluminum. 2,496,649, Feb. 7.
Zellweger A. G., Apparate-und Maschinenfabriken, assignee: *See*—
Meier, Heinrich.
Zellweger A. G. Apparate- und Maschinenfabriken Uster, assignee: *See*—
Grob, Oskar and Locher.
Meier, Heinrich.
Zelmer, Paul: *See*—
Kulcsar, Anton T., and Zelmer.

Zelov, Victor I., Rosemont, Pa. Combined lamp shade and socket for elongated tubular lamps. 2,529,122, Nov. 7.

Zelt, Elmer J., Fort Wayne, Ind., assignor to General Electric Company. Two-part casing for electric apparatus. 2,525,467, Oct. 10.

Zelzer, Sam, Calumet City, Ill. Combined work support and ironing board. 2,506,479, May 2.

Zemanek, Arnold F., H. A. Swem, H. E. Treichler, C. B. Williams and W. H. Kelly, assignors to Texas Gulf Sulphur Company, Newgulf, Tex. Forming a stock pile of sulfur. 2,498,325, Feb. 21.

Zemanek Arnold F., and H. A. Swem, assignors to Texas Gulf Sulphur Company, Newgulf, Tex. Forming a stock pile of sulfur. 2,498,326, Feb. 21.

Zemanek, Arnold F., and H. E. Treichler, assignors to Texas Gulf Sulphur Company, Newgulf, Tex. Forming blast-holes in sulfur stock piles. 2,498,327, Feb. 21.

Zemansky, Philip D., San Francisco, Calif. Locating neutral point brush settings. 2,529,529, Nov. 14.

Zempel, Edward A., Milwaukee, Wis., assignor to W. T. Meinhardt, Cook County, Ill. Tool. 2,529,988, Nov. 14.

Zender, Justin: *See*—
Wallach, Roger N., and Zender.

Zender, Justin, Ardsley, N. Y., assignor, by mesne assignments, to American Viscose Corporation, Wilmington, Del. Apparatus for purifying solutions. 2,502,614, Apr. 4.

Zenftman, Henryk, Saltcoats, Scotland, assignor to Imperial Chemical Industries, Limited. Manufacture of fuse powder and fuses. 2,497,387, Feb. 14.

Zenftman, Henryk, Saltcoats, Scotland, assignor to Imperial Chemical Industries Limited. Waterproof fuse. 2,513,391, July 4.

Zenith Processing Corporation, assignee: *See*—
Hateshi, Hazara S.

Zenith Radio Corporation, assignee: *See*—
Adler, Robert.
Adler, Robert, and Prentiss.
Criswell, Byron R.
Ellett, Alexander.
Ellett, Alexander, Gustafson, and Cotsworth III.
Emde, Kurt.
Emde, Kurt, and Steglich.
Hardy, Maurice E.
Kalmus, Henry P.
Kalmus, Henry P., and Carnahan.
Kalmus, Henry P., and Price.
Knight, Cosler D.
Knowles, Hugh S.
Mullaney, Ralph A.
Passow, Edward B.
Rennick, John L.
Rodriguez, Antonio R.
Schwalm, Walter A.
Smith, John.
Spindler, Joseph C.
Wagenknecht, Otto E., and Wandrey.
Wood, Frank A.

Zenke, Herbert J., Oswego, N. Y., and E. E. Arnold, Chicago, Ill., assignors to St. Regis Paper Company, New York, N. Y. Bag filling and weighing apparatus 2,517,954, Aug. 8.

Zenko, Edward, Grand Haven, Mich. Hand truck with lift platform. 2,514,825, July 11.

Zenner, George H.: *See*—
Preston, Albert L., and Zenner.
Yendall, Edward F., and Zenner.

Zenner, Philip M., New York, N. Y., assignor to The McBee Company, Athens, Ohio. Sequence and selective sortable marginal card. 2,514,531, July 11.

Zenner, Walter J., Des Plaines, assignor to Teletype Corporation, Chicago, Ill. Arrangement for introducing electrical bias. 2,501,118, Mar. 21.

Zenner, Walter J., Des Plaines, assignor to Teletype Corporation, Chicago, Ill. Selective signaling system and apparatus. 2,505,728, Apr. 25.

Zenner, Walter J., Des Plaines, assignor to Teletype Corporation, Chicago, Ill. Printing telegraph apparatus. 2,505,729, Apr. 25.

Zenner, Walter J., Des Plaines, assignor to Teletype Corporation, Chicago, Ill. Telegraph transmitter. 2,534,494, Dec. 19.

Zentner, Margaret R., Newark, N. J., and G. J. Haas, New York, N. Y., assignors to Hoffmann-La Roche Inc., Nutley, N. J. Aqueous solutions of lipoid-soluble vitamins. 2,524,247, Oct. 3.

Zepp, William J., Yorktowne Village, Md. Child's vehicle and parcel carrier. 2,532,004, Nov. 28.

Zeprun, Jack M., Roxbury, Mass. Baigle cutting machine. 2,523,178, Sept. 19.

Zerbe, Richard O., Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Pickling of metals. 2,518,109, Aug. 8.

Zerbee, Louis J., Bellefontaine, Ohio. Weft feeding mechanism. 2,501,982, Mar. 28.

Zerbee, Louis J., Bellefontaine, Ohio. Fix finder. 2,519,532, Aug. 22.

Zere, Ella P., Willesden, London, England. Pneumatic tire and wheel. 2,517,521, Aug. 1.

Zerkle, Lawrence C., Cleveland, Ohio. Vibrator. 2,523,547, Sept. 26.

Zern, Warren B., Pottstown, Pa. Tank flush ball. 2,535,885, Dec. 26.

Zerner, Ernst: *See*—
Pollock, Mark, and Zerner.

Zerner, Ernst, and P. I. Pollak, assignors to Sun Chemical Corporation, New York, N. Y. Compounds for impregnating fibrous materials and their production. 2,510,007, May 30.

Zero Plate Company, assignee: *See*—
Booth, Jack J.

Zerpa, Anselmo R., Habana, Cuba. Rotatable chance device. 2,535,474, Dec. 26.

Zesch, Eugene M., Shillington, assignor to Karl Lieberknecht, Inc., Reading, Pa. Welt closing mechanism for straight knitting machines. 2,519,991, Aug. 22.

Zeto, Jim, Tampa, Fla. Venetian blind-drape-end fixture. 2,508,737, May 23.

Zettel, Joseph H., Martinsville, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Waterproofing mineral wool. 2,493,845; Jan. 10.

Zetterman, Axel L., New Britain, Conn. Detachable plane handle. 2,519,992, Aug. 22.

Zetterquist, Eric A., Drexel Hill, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Turbine apparatus. 2,524,724, Oct. 3.

Zevely, Thomas K., Washington, D. C., assignor to The Washington Brick Co., Muirkirk, Md. Core and core bar assembly for block molds. 2,524,744, Oct. 3.

Zgranik, Steven A., Berwyn, Ill., assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif. Ruling device. 2,523,855, Sept. 26.

Ziaylek, Theodore, Jr., Philadelphia, Pa. Camera shutter and diaphragm control mechanism. 2,509,385, May 30.

Zickler, Charles R., C. R., Jr., and W. C., Yonkers, N. Y. Magnetic layout punch. 2,526,528, Oct. 17.

Zickler, Charles R., Jr.: *See*—
Zickler, Charles R., C. R., Jr., and W. C.

Zickler, Warren C.: *See*—
Zickler, Charles R., C. R., Jr., and W. C.

Zickrick, Lyall, Schenectady, N. Y., assignor to General Electric Company. Thermal overload protective relay using indium. 2,532,265, Nov. 28.

Zicovich, Anthony G., assignor of one-half to A. W. Caldwell, San Jose, Calif. Concrete mixer. 2,508,632, May 23.

Zicovich, Anthony G., assignor of one-half to A. W. Caldwell, San Jose, Calif. Concrete mixer. 2,508,633, May 23.

Zicovich, Anthony G., assignor of one-half to A. W. Caldwell, San Jose, Calif. Concrete mixer. 2,525,573, Oct. 10.

Zicovich, Anthony G., assignor of one-half to A. W. Caldwell, San Jose, Calif. Concrete mixer. 2,525,574, Oct. 10.

Zidar, Anton, Cleveland, Ohio. Upstanding handle for floor shears. 2,530,215, Nov. 14.

Ziebolz, Herbert, assignor to Askania Regulator Company, Chicago, Ill. Differential pressure responsive means. 2,493,180, Jan. 3.

Ziebolz, Herbert, Chicago, Ill., assignor to Askania Regulator Company. Electric measuring system. 2,533,079. Dec. 5.

Ziegelhoefer, Edward G.: *See*—
Dohl, Robert A., and Ziegelhoefer.

Ziegenfuss, Truman S., Los Angeles, Calif. Twin bed and lounge. 2,495,494, Jan. 24.

Ziegler, Arthur W., Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Metallic casing for electrical units. 2,503,429, Apr. 11.

Ziegler, Arthur W., Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Fabrication of piezoelectric crystal units. 2,531,660. Nov. 28.

Ziegler, Edward J., Kansas City, Mo. Vehicle frame. 2,507,845, May 16.

Ziegler, Edward J., Kansas City, Mo. Tandem axle vehicle. 2,508,634, May 23.

Ziegler, George W., Chicago, Ill., assignor to J. V. Kelly, Detroit, Mich. Phonograph disk record dispensing machine. 2,516,823, July 25.

Ziegler, John G., Walnut Creek, Calif., assignor to Taylor Instrument Companies, Rochester, N. Y. Method of and apparatus for exhibiting and/or controlling changes in a condition. 2,512,561, June 20.

Ziegler, Joseph B., South Bend, Ind. Fuel injector for Diesel engines. 2,503,186, Apr. 4.

Ziegler, Nicholas A., Chicago, W. L. Meinhart, Brookfield, and J. R. Goldsmith, assignors to Crane Co., Chicago, Ill. Hardening of austenitic chromium-nickel steels by working at subzero temperatures. 2,527,287, Oct. 24.

Ziegler, Roland G.: *See*—
Wyman, Anthony J., and Ziegler.

Ziemendorf, Edwin F.: *See*—
Rowe, Robert G., and Ziemendorf.

Zienty, Ferdinand B.: *See*—
Kyrides, Lucas P., and Zienty.
Kyrides, Lucas P., Zienty, and Steahly.
Kyrides, Lucas P., Zienty, and Stephenson.

Zienty, Mitchell F., Elkhart, Ind., assignor to Sumner Chemical Company, Inc., Zeeland, Mich. Substituted ethylenediamines and preparing same. 2,512,293, June 20.
Zierdt, Conrad H.: *See*—
Hedding, Linnie K., and Zierdt.
Ziering, Albert: *See*—
Lee, John, and Ziering.
Zierke, Vernon P., Charles City, Iowa. Hoist for loading heavy tractor tires. 2,509,950, May 30.
Zierold, Herman A., Burbank, and M. J. West, Los Angeles, Calif.; said West assignor to said Zierold. Spool and scissors holder. 2,532,654, Dec. 5.
Zifferer, Morton F., York, assignor to New Standard Corporation, Mount Joy, Pa. Pickup broom rake. 2,504,943, Apr. 18.
Ziganek, Ferdinand, Detroit, Mich. Automatic air valve. 2,518,653, Aug. 15.
Zikmund, Bohumil A., Munster, assignor to Calumet Steel Castings Corporation, Hammond, Ind. Heat-resistant steel alloy. 2,534,190, Dec. 12.
Zillig, Howard W., Newburg, N. Y. Collapsible seat attachment. 2,518,971, Aug. 15.
Zima, Otto, Darmstadt-Eberstadt, and F. V. Werder, assignors to E. Merck, Darmstadt, Darmstadt, Germany. Thymyl N-isoamylcarbamate. 2,524,185, Oct. 3.
Zimarik, John, Akron, Ohio. Reversing mechanism for washing machines. 2,506,052, May 2.
Zimbelman, George W., Signal Mountain, assignor to Samuel Stamping and Enameling Company, Chattanooga, Tenn. Hot-air gas heater with radiant. 2,529,828, Nov. 14.
Zimermann, Alfred G., Washington, D. C. Apparatus for controlling light rays having translucent and reflecting portions. 2,515,682, July 18.
Zimic, Michael, New York, and A. Miskovsky, Deer Park, N. Y.; said Miskovsky assignor to said Zimic. Knitting machine. 2,493,054, Jan. 3.
Zimkin, Emanuel: *See*—
Chandley, Edwin F., Steiner, and Zimkin.
Zimmer, Albert E., assignor to Enterprise Railway Equipment Company, Chicago, Ill. Safety device for railway car door operating mechanism. 2,494,604, Jan. 17.
Zimmer, Albert E., assignor to Enterprise Railway Equipment Company, Chicago, Ill. Dump car door operating mechanism for several size door openings. 2,531,960, Nov. 28.
Zimmer, Albert E., and W. F. Batho, assignors to Enterprise Railway Equipment Company, Chicago, Ill. Fulcrum for car door locking means. 2,497,284, Feb. 14.
Zimmer, Clyde R., assignor to E. J. Brach & Sons, Chicago, Ill. Row feeding apparatus. 2,510,359, June 6.
Zimmer, John C.: *See*—
Beerbower, Alan, and Zimmer.
Davis, Garland H. B., and Zimmer.
Morway, Arnold J., and Zimmer.
Morway, Arnold J., Beerbower and Zimmer.
Zimmer, John C., Union, and A. J. Morway, Clark Township, Union County, N. J., assignors to Standard Oil Development Company. Chemical surface treatment of ferrous bearing metals. 2,493,516, Jan. 3.
Zimmer, John C., Union, and A. J. Morway, Rahway, N. J., assignors to Standard Oil Development Company. Stabilizing aromatic amines. 2,510,849, June 6.
Zimmer, John C., Union, and A. J. Morway, Rahway, N. J., assignors to Standard Oil Development Company. Grease composition. 2,521,438, Sept. 5.
Zimmer, John C., Union, and J. H. Bartlett, Westfield, N. J., assignors to Standard Oil Development Company. Preparing synthetic drying oils. 2,529,322, Nov. 7.
Zimmer, John S., Scotia, N. Y., assignor to General Electric Company. Thermally actuated switch. 2,499,208, Feb. 28.
Zimmer, Myron J., Wood Dale, assignor to Ecko Products Company, Chicago, Ill. Pressure cooker. 2,531,717, Nov. 28.
Zimmer, Robert L., Sioux City, Iowa. Garment hanger supporting means. 2,517,072, Aug. 1.
Zimmer, William G.: *See*—
Crafts, Curtis S., Nolan, and Zimmer.
Zimmerman, Albert E., Tiburon, and W. A. Botke, Berkeley, assignors to Merco Centrifugal Co., San Francisco, Calif. Centrifuge construction. 2,525,629, Oct. 10.
Zimmerman, Arthur G.: *See*—
Hoehn, John J., and Zimmerman.
Zimmerman, Bernhard G., Westfield, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y. Nitration of O-substituted aromatic amines. 2,525,508, Oct. 10.
Zimmerman, Charles H., Bridgeport, Conn. Abrading mechanism. 2,507,079, May 9.
Zimmerman, Clarence J., Watsonville, Calif. Key container. 2,493,330, Jan. 3.
Zimmerman, Clinton B., Union City, Tenn. Awning operator. 2,517,270, Aug. 1.
Zimmerman, Edgar: *See*—
Barrett, William H., and Zimmerman.
Zimmerman, Elmore, Elmhurst, Ill., assignor, by mesne assignments, to Electronic Products Corporation. Method and apparatus for electronically fusing material in a high partial vacuum. 2,509,181, May 23.
Zimmerman, Gilbert A.: *See*—
Huff, Curtis E., and Zimmerman.
Zimmerman, Harold L., Milwaukee, and F. J. Van Zeeland, West Allis, assignors to Chain Belt Company, Milwaukee, Wis. Induction heating and welding. 2,528,810, Nov. 7.
Zimmerman, Harry, New York, N. Y. Xylophone. 2,504,915, Apr. 18.
Zimmerman, Harry, New York, N. Y. Ball projecting game. 2,511,090, June 13.
Zimmerman, Harry, New York, N. Y. Toy piano. 2,519,306, Aug. 15.
Zimmerman, Herman W., North Newington, Conn.; S. V. M. Zimmerman, administratrix of said H. W. Zimmerman, deceased, assignor of one-third to S. V. M. Zimmerman and two-thirds to A. Z. Shade, Crystal Lake, Ill. Torque tester. 2,503,649, Apr. 11.
Zimmerman, Herman W., deceased, North Newington, Conn.; S. V. M. Zimmerman, administratrix of said H. W. Zimmerman, assignor of one-third to S. V. M. Zimmerman and two-thirds to A. Z. Shade, Crystal Lake, Ill. Wheel for vehicles. 2,511,141, June 13.
Zimmerman, Jay V., St. Louis, Mo. Apertured cap for collapsible tube, having friction-biased reciprocable closure for the aperture. 2,532,690, Dec. 5.
Zimmerman, Joseph D., St. Paul, Minn. Electrodynamic pillow-type loudspeaker. 2,523,802, Sept. 26.
Zimmerman, Norman H.: *See*—
Drown, Clifford F., Zimmerman, and Ross.
Zimmerman, Ralph H., Los Angeles, J. M. Gordon, Inglewood, and F. C. Thompson, Los Angeles, Calif. Folding bench having back rest convertible to table top. 2,509,556, May 30.
Zimmerman, Siegfried, Seekirchen, near Salzburg, Austria. Partly dehydrating meat. 2,502,115, Mar. 28.
Zimmerman, Stanley W., Dalton, Mass., assignor to General Electric Company. Lightning arrester. 2,495,154, Jan. 17.
Zimmerman, Sylvia V. M., administratrix, assignee: *See*—
Zimmerman, Herman W.
Zimmerman, Thomas, Grosse Pointe Farms, assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Work chuck. 2,521,275, Sept. 5.
Zimmerman, Wayne S., Walnut Park, Calif. Scoring device. 2,509,405, May 30.
Zimmermann, Hans J., Canton, Ohio, assignor, by mesne assignments, to Automatic Steel Products, Inc. Centrifugal mercury clutch. 2,517,955, Aug. 8.
Zimmermann, Steven A., Fort Wayne, Ind., assignor to General Electric Company. Overload protection for meters. 2,509,027, May 23.
Zimmermann, Willy E., and H. E. Weidanz, assignors to Standard Cap and Seal Corporation, Chicago, Ill. Apparatus for feeding and transferring articles. 2,493,212, Jan. 3.
Zindel, George, Jr., Fox Chase Manor, assignor to Philco Corporation, Philadelphia, Pa. Radio apparatus. 2,515,816, July 18.
Zingman, Sam, and J. Krinick, Brooklyn, N. Y. Circular clothesline for windows. 2,498,518, Feb. 21.
Zingsheim, Edward W., assignor to Dana Corporation, Toledo, Ohio. Overrunning clutch release means. 2,504,481, Apr. 18.
Zink, Fred W., assignor to Whitehead Stamping Company, Detroit, Mich. Mirror supporting means. 2,533,867, Dec. 12.
Zink, John S., Tulsa, Okla. Gas-burning apparatus. 2,499,556, Mar. 7.
Zink, John S., Tulsa, Okla. Floor furnace. 2,508,131, May 16.
Zink, John S., Tulsa, Okla. Multiple fuel burner. 2,531,316, Nov. 21.
Zinkil, Roy H.: *See*—
Frederickson, Edward A., Bolling, and Zinkil.
Zinn, Julius A., Jr., Chicago, Ill. Carton. Re. 23,204, Mar. 7.
Zinn, Julius A., Jr., Chicago, Ill., and O. Wennberg, Manhasset, N. Y.; said Wennberg assignor to said Zinn. Hydraulic control apparatus. 2,533,705, Dec. 12.
Zinner, Michael J., Milwaukee, Wis. Storm sash ventilator. 2,503,019, Apr. 4.
Zinsco Electrical Products, assignee: *See*—
Stanley, Zina R.
Zinsco Electrical Products Company, assignee: *See*—
Speck, Ernst.
Zinszer, Richard H., Los Alonas, assignor to Union Oil Company of California, Los Angeles, Calif. Pumping viscous fluids. 2,530,673, Nov. 21.
Zinty, Marcel J. A., New York, N. Y., assignor to Magnus Chemical Company, Inc., Garwood, N. J. Air operated apparatus for cleaning small parts by jiggling in a turbulent cleaning solution. 2,520,354, Aug. 29.
Zip Abrasive Company, The, assignee: *See*—
Werder, John F.
Zip-Clip Zipper Corp., assignee: *See*—
Nissen, Hans G.
Zipf, Edward H., assignor to The Power Development Company, Inc., Cleveland, Ohio. Mowing machine guard. 2,523,640, Sept. 26.
Zipp, Drayton C., and H. E. Pray, assignors to Production Devices Incorporated, Whitehall, N. Y. Apparatus for protecting operating parts of vises from chips or other refuse incidental to machine work. 2,499,124, Feb. 28.
Zipper, Emil, Santa Monica, Calif.; vested in the Attorney General of the United States. Internally expanding brake. 2,493,055, Jan. 3.

Zipper Scarf Corporation, The, assignee: *See*—
Pinnere, Dante A.
Zipperstein, Abe M., Chicago, and B. Vitto. Annawan, Ill. Guitar steel. 2,496,191, Jan. 31.
Zippo Manufacturing Company, assignee: *See*—
Flickinger, Lester, and Blaisdell.
Zitek, Bohumil J.: *See*—
Zasadny, Peter, and Zitek.
Zitrick, Ronald L.: *See*—
Scanlon, James M., and Zitrick.
Zitzerman, Isaac D., Kansas City, Mo. Crankpin turning tool. 2,507,846, May 16.
Zodtner, Harlan H., assignor to The Parker Pen Company, Janesville, Wis. Fountain pen. 2,522,554, Sept. 19.
Zodtner, Harlan H., assignor to The Parker Pen Company, Janesville, Wis. Fountain pen. 2,528,408, Oct. 31.
Zoerlein, Emil, assignor to Ford Motor Company, Dearborn, Mich. Armature adjustment for electromagnetic operated switches. 2,519,093, Aug. 15.
Zoia, Hector G., Cleveland, Ohio. Cover for food-serving dishes. 2,501,983, Mar. 28.
Zola, Albert: *See*—
Cohn, Louis A., and Zola.
Zola, Colman, Mount Vernon, N. Y., assignor to the United States of America as represented by the Secretary of War. Wind tunnel. 2,515,069, July 11.
Zoll, Paul N., Freeport, N. Y. Antitipping safety attachment for baby carriages. 2,509,584, May 30.
Zollars, Richard U.: *See*—
Hill, George B., and Zollars.
Hill, George B., and Zollars.
Zoller, Eva L., Pacific Palisades, Calif. Flesh clamping device. 2,516,359, July 25.
Zollinger, Ernst, Zurich, Switzerland. Paper conveyer for photographic developing devices. 2,501,251, Mar. 21.
Zollinger, Heinrich: *See*—
Widmer, Willy, and Zollinger.
Zolot, Jacques C., Elizabeth, N. J. Dry cooler vacuum jug. 2,504,916, Apr. 18.
Zondagh, Johan F. T., Avontuur, Union of South Africa. Fruit-grading apparatus. 2,522,917, Sept. 19.
Zook, Morris A., Jr.: *See*—
Van Leer, Oscar, and Zook.
Zottu, Paul D., Indian Hills, assignor to The Girdler Corporation, Louisville, Ky. High-frequency treating system. 2,505,025, Apr. 25.
Zottu, Paul D., Indian Hills, assignor to The Girdler Corporation, Louisville, Ky. High-frequency spot heater. 2,506,626, May 9.
Zozulin, Igor: *See*—
Okulitch, George J., and Zozulin.
Zuba, Michael F., Avoca, Pa. Bottle seal cutter. 2,497,388, Feb. 14.
Zuber, John G., assignor to Bell & Howell Company, Chicago, Ill. Lens turret for photographic cameras. 2,510,360, June 6.
Zuber, Yves, Bourg-La-Reine, assignor to Etablissements Stylomine (Societe Anonyme), Paris, France. Slider for propelling pencils with several leads. 2,517,522, Aug. 1.
Zuberbühler, Paul: *See*—
Frieder, Albert, and Zuberbühler.
Zublin, Casper L., assignee: *See*—
Zublin, John A.
Zublin, Edward A., assignee: *See*—
Zublin, John A.
Zublin, John A., Los Angeles, Calif. Apparatus for drilling deflecting well bores. 2,500,267, Mar. 14.
Zublin, John A., Los Angeles, Calif. Heavy-duty flexible drill pipe. 2,515,366, July 18.
Zublin, John A., Saugus, assignor of one-fifth to E. A. Zublin, one-fifth to C. L. Zublin, Los Angeles, Calif., and one-fifth to S. (Catherine) Lynn-Thomas, New York, N. Y. Flexible drill pipe. 2,515,365, July 18.
Zuck, Victor I., Kenmore, assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y. Reed mute. 2,520,079, Aug. 22.
Zuckerman, Adolph M., assignor to R. Hoe & Co., Inc., New York, N. Y. Web cutting and associating means for printing machines. 2,506,053, May 2.
Zuckerman, Herman, Imperial, Calif. Detachable shelf for automobile instrument panels. 2,494,980, Jan. 17.
Zuckerman, Roscoe C., Stockton, Calif. Growing and cultivating asparagus. 2,511,091, June 13.
Zuckermann, Armand, Paris, France, assignor to Freins Jourdian-Monneret, Société Anonyme. Electromagnetic rail brake. 2,527,383, Oct. 24.
Zucrow, Maurice J., Altadena, assignor to Aerojet Engineering Corporation, Azusa, Calif. Jet motor operable by monopropellant and operating it. 2,500,334, Mar. 14.
Zucrow, Maurice J., Altadena, assignor to Aerojet Engineering Corporation, Pasadena, Calif. Jet motor with cooling system. 2,508,590, May 23.
Zucrow, Maurice J., Altadena, assignor to Aerojet Engineering Corporation, Azusa, Calif. Reaction motor with fluid cooling means. 2,520,751, Aug. 29.
Zucrow, Maurice J., Altadena, assignor to Aerojet Engineering Corporation, Azusa, Calif. Thermal jet and rocket motor propulsion system. 2,531,761, Nov. 28.
Zuehlke, Arthur A., assignor to Taylor Instrument Companies, Rochester, N. Y. Flush-type bulb for thermosensitive tube systems. 2,520,872, Aug. 29.
Zuercher, Oswin E., Hatfield, Pa. Test device. 2,496,767, Feb. 7.
Zuerker, Siegfried, Pennellville, N. Y., assignor to General Electric Company. Sound reproducing device. 2,534,157, Dec. 12.
Zukel, John W.: *See*—
Harris, Walter D., Tate, and Zukel.
Zukor, Arnold, New York, N. Y. Adjustable headrest for bathtubs. 2,503,145, Apr. 4.
Zuley, Edward A., assignor to Leader Electric Manufacturing Corporation, Chicago, Ill. Mounting for overhead lighting fixtures. 2,532,528, Dec. 5.
Zumdahl, Elmer H., Seattle, Wash. Dispensing spout and slidable resilient sleeve closure. 2,516,040, July 18.
Zumstein, Mary S., assignee: *See*—
Heller, Charles J.
Zumwalt, Arlie I., Tulsa, Okla. Support with centering device. 2,531,799, Nov. 28.
Zunick, Michael J., assignor to General Electric X-Ray Corporation, Chicago, Ill. Conductive coating on glass. 2,516,663, July 25.
Zunick, Michael J., Greenfield, Wis., assignor to General Electric X-Ray Corporation, Chicago, Ill. Electron target and making the same. 2,521,663, Sept. 5.
Zurakov, Stanley: *See*—
Gannaway, Robertson R., and Zurakov.
Zuras, Constantine, Silver Spring, Md. Rodent trap. 2,527,473, Oct. 24.
Zurcher, Ernest, Knoxville, Tenn., assignor, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission. Quick operating valve. 2,515,159, July 11.
Zurcher, Henry E., Los Angeles, Calif. Knife. 2,513,905, July 4.
Zurcher, Paul, Ponca City, Okla. Heat-resistant paint containing methyl silicone resin, boric acid, and a lead compound. 2,495,306, Jan. 24.
Zurit, David, Teaneck, and F. H. Holmes, East Orange, N. J. Ignition switch for boats. 2,526,446, Oct. 17.
Zurn, J. A., Manufacturing Company, assignee: *See*—
Schmid, John H.
Zuschlag, Theodore, West Englewood, N. J., assignor to Magnetic Analysis Corporation, Long Island City, N. Y. Magnetic peak inspection. 2,505,701, Apr. 25.
Zuschlag, Theodore, West Englewood, N. J., assignor, by mesne assignments, to Lundberg Explorations Limited, Toronto, Ontario, Canada. Apparatus for detecting magnetic disturbances. 2,519,094, Aug. 15.
Zussman, Louis, Kirkwood, Mo. Tie form. 2,522,977, Sept. 19.
Zuzelo, Edward A., Narberth, Pa. Masonry saw. 2,514,826, July 11.
Zvanut, Frank J., Lakewood, C. C. Kreager, Shaker Heights, and C. A. Thomas, Jr., Berea, assignors to Ferro Enamel Corporation, Cleveland, Ohio. Smelting furnace. 2,501,119, Mar. 21.
Zwald, Adolph, assignor to Hyster Company, Portland, Oreg. Power transmission. 2,494,222, Jan. 10.
Zwald, Adolph, assignor to Hyster Company, Portland, Oreg. Control mechanism for winches and the like. 2,515,434, July 18.
Zweidler, Reinhard: *See*—
Keller, Ernst, and Zweidler.
Zwickl, Joseph R., East Orange, assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Eliminator for refrigeration system evaporators. 2,523,529, Sept. 26.
Zwilgmeyer, Frithjof, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Printing and dyeing compositions and processes. Re. 23,306, Dec. 12.
Zwobada, Rene: *See*—
Touraton, Emile, Zwobada, and Gratzmuller.
Zwoboda, Arthur E.: *See*—
Zwoboda, Lena E. and A. E.
Zwoboda, Lena E. and A. E., Bronx, N. Y. Meat roast lifting appliance. 2,511,142, June 13.
Zwosta, Michael J., Brooklyn, N. Y. Antiskid chain. 2,528,203, Oct. 31.
Zwosta, William M., Columbus, Ohio. Meat curing process. 2,528,204, Oct. 31.
Zyta, Leon H., Cleveland Heights, Ohio, assignor to General Electric Company. Starter switch seasoning and testing apparatus. 2,497,525, Feb. 14.
Zywiecka, Helen M., New York, N. Y. Combined garment and removable panty. 2,506,324, May 2.

1950

LIST OF DESIGN PATENTEES

A. B. A. Corporation, assignee: *See*—
Barnett, Joseph A.
Peterson, William, and Barnett.

Abbadié (Brizuela), Luis, Guadalajara, assignor of fifty per cent to Salvador Garcia (Ibarra), Jiquilpan, Michoocan, Mexico. Set of game pieces. 160,568, Oct. 24.

Abbott Laboratories, assignee: *See*—
Fields, Mack R.

Abbott, Leonard E., Kalamazoo, Mich. Concrete burial vault closure. 156,930, Jan. 24.

Abbott, Robert K., Columbus, Ohio. Telephone shelf. 157,825, Mar. 28.

Abell, J. Roy, assignee: *See*—
Boughey, Jeremiah J.

Abowitz, Jack, New York, N. Y. Shoe. 161,150, Dec. 12.

Abrahamson, Aladar: *See*—
Sors, Ivan, and Abrahamson.

Abrams, Henry, assignor to Henry Manufacturing Co., Minneapolis, Minn. Detachable sun visor for automobiles. 157,555, Mar. 7.

Abrams, Miriam, assignor to Barnet Ginsburg & Nat Abelson, Inc., New York, N. Y. Dress ensemble. 157,227, Feb. 14.

Abrams, Miriam, assignor to Barnet Ginsburg & Nat Abelson, Inc., New York, N. Y. Dress. 157,717, Mar. 21.

Abrams, Miriam, assignor to Barnet Ginsburg & Nat Abelson, Inc., New York, N. Y. Dress. 157,718, Mar. 21.

Abrams, Miriam, assignor to Barnet Ginsburg & Nat Abelson, Inc., New York, N. Y. Dress. 157,719, Mar. 21.

Abrams, Miriam, assignor to Barnet Ginsburg & Nat Abelson, Inc., New York, N. Y. Dress. 157,720, Mar. 21.

Abrams, Miriam, assignor to Barnet Ginsburg & Nat Abelson, Inc., New York, N. Y. Dress. 157,721, Mar. 21.

Abrams, Miriam, assignor to Barnet Ginsburg & Nat Abelson, Inc., New York, N. Y. Dress. 157,722, Mar. 21.

Abrams, Miriam, assignor to Barnet Ginsburg & Nat Abelson, Inc., New York, N. Y. Dress. 157,826, Mar. 28.

Abrams, Miriam, assignor to Barnet Ginsburg & Nat Abelson, Inc., New York, N. Y. Dress. 157,827, Mar. 28.

Accetta, Anthony, Cleveland, Ohio. Artificial fish bait. 158,537, May 16.

Ace Plastic Products, Inc., assignee: *See*—
Kelly, Gerald R., and Davies.

Ace Pump Corporation, assignee: *See*—
Theis, Elmer E.

Ackerman, Charles, Madison County, Ohio. Woman's play suit or article of similar nature. 157,556, Mar. 7.

Ackerman, Elaine J. and M. J., Atlanta, Ga. Glasses case holder. 161,151, Dec. 12.

Ackerman, Michael J.: *See*—
Ackerman, Elaine J. and M. J.

Ackles, Virgil E., Los Angeles, Calif., assignor to Doughnut Corporation of America, New York, N. Y. Baker's bowl carrier. 157,723, Mar. 21.

Acme Laces, Inc., assignee: *See*—
Woodhouse, William H.

Acton, Grant M., assignor to Acton Manufacturing Company, Inc., Arkansas City, Kans. Bottle carrier. 157,316, Feb. 21.

Acton Manufacturing Company, Inc., assignee: *See*—
Acton, Grant M.

Adair, James E., assignor to The Meyercord Company, Chicago, Ill. Shelf covering or similar article. 157,228, Feb. 14.

Adair, James E., assignor to The Meyercord Company, Chicago, Ill. Shelf covering or similar article. 157,229, Feb. 14.

Adair, James E., assignor to The Meyercord Company, Chicago, Ill. Shelf covering or similar article. 157,230, Feb. 14.

Adams, Arthur R., Glendale, and B. L. Shannon, Pasadena, assignors to Adams Rite Manufacturing Company, Glendale, Calif. Trailer lock. 157,116, Feb. 7.

Adams, George O., Wilmington, Del. Game board. 159,571, Aug. 8.

Adams, Jack W., Los Angeles, Calif. Radio symbol guide. 156,686, Jan. 3.

Adams Rite Manufacturing Company, assignee: *See*—
Adams, Arthur R., and Shannon.

Addressograph-Multigraph Corporation, assignee: *See*—
Hunt, Guilbert M.

Adelsperger, Conrad D., Bedford, Ohio. Tube holder. 159,882, Aug. 29.

Adelsperger, Conrad D., Bedford, Ohio. Tube holder. 159,883, Aug. 29.

Adkins, Marshall F., Dallas, Tex. Chaise lounge or the like. 158,429, May 9.

Adler, Marsh, assignor to Deauville Models, Inc., Los Angeles, Calif. Blouse. 157,461, Feb. 28.

Adler, Samuel E.: *See*—
Vistain, James E., Jr., and Adler.

Adler, Samuel E., assignor to Admiral Corporation, Chicago, Ill. Television cabinet. 157,462, Feb. 28.

Adler, Samuel E., assignor to Admiral Corporation, Chicago, Ill. Combination radio and phonograph cabinet. 157,557, Mar. 7.

Adler, Samuel E., Chicago, Ill. Radio-phonograph and television cabinet. 158,351, May 2.

Adler, Samuel E., Chicago, Ill. Combined radio-phonograph and television cabinet. 158,538, May 16.

Adler, Samuel E., Chicago, Ill. Television cabinet. 158,539, May 16.

Adler, Samuel E., Chicago, Ill. Television cabinet. 158,707, May 30.

Adler, Samuel E., Chicago, Ill. Television receiver cabinet. 159,459, Aug. 1.

Adler, Samuel E., Chicago, Ill. Radio cabinet. 159,460, Aug. 1.

Adler, Samuel E., Chicago, Ill. Television cabinet. 159,461, Aug. 1.

Adler, Samuel E., Chicago, Ill. Television cabinet. 159,462, Aug. 1.

Adler, Samuel E., Chicago, Ill. Television cabinet. 159,463, Aug. 1.

Adler, Samuel E., Chicago, Ill. Television cabinet. 159,464, Aug. 1.

Adler, Samuel E., Chicago, Ill. Television cabinet. 159,572, Aug. 8.

Adler, Samuel E., Chicago, Ill. Cabinet. 159,573, Aug. 8.

Adler, Samuel E., Chicago, Ill. Television cabinet. 159,574, Aug. 8.

Adler, Samuel E., Chicago, Ill. Television cabinet. 160,683, Oct. 31.

Admiral Corporation, assignee: *See*—
Adler, Samuel E.
Sickinger, William H.
Vistain, James E., Jr., and Adler.

Advance Aluminum Castings Corp., assignee: *See*—
Grundstrom, Erik G.

Affiliated Gas Equipment, Inc., assignee: *See*—
Greene, Harry R.

Ahrendt, Charles E.: *See*—
Schubert, John J., and Ahrendt.

Aiken, Joseph M., assignee: *See*—
Clime, Robert B.

Alm, Inc., assignee: *See*—
Naulin, Abner A.

Ajouelo, Davis J., Atlanta, Ga. Wall bottle opener. 160,453, Oct. 17.

Akerlind, Carl G., assignor to Aktiebolaget Nilsson & Johansson, Stockholm, Sweden. Fork or other article of flatware. 157,117, Feb. 7.

Aktiebolaget Cryptoteknik, assignee: *See*—
Ljunggren, Ivan G. A.

Aktiebolaget Elektrolux, assignee: *See*—
Engberg, Axel O.

Aktiebolaget Nilsson & Johansson, assignee: *See*—
Åkerlind, Carl G.

Aladdin Industries, Incorporated, assignee: *See*—
Schwarz, Eugene.

Albanese, Arthur, assignor to Marvel Jewelry Mfg. Company, Providence, R. I. Expansible watch bracelet. 160,759, Nov. 7.

Albert, Vernon K., Alhambra, assignor to Altec Lansing Corporation, Los Angeles, Calif. Combined microphone and stand unit. 157,724, Mar. 21.

Alden Woodcrafts, Inc., assignee: *See*—
Tanier, George I.

Alexander, Arthur F., Cleveland, Ohio. Cooky baker. 157,463, Feb. 28.

Alexander, Christopher, Long Island City, N. Y. Strainer for drinking vessel or similar article. 160,050, Sept. 12.

Alexander, Joseph, New York, N. Y. Flocked fabric. 159,308, July 18.

Alexander, Joseph, New York, N. Y. Flocked fabric. 159,309, July 18.
Alexander, Joseph, New York, N. Y. Flocked fabric. 160,913, Nov. 21.
Alexander, Joseph, New York, N. Y. Flocked fabric. 160,914, Nov. 21.
Alfab Manufacturing Company, assignee: *See*— Omo, Frank J.
Alfra Manufacturing Corporation, assignee: *See*— Doux, Alfred W.
Algier, Allen P., assignor of one-half to Ford Radenbaugh, Los Angeles, Calif. Fish lure. 159,402, July 25.
Alkire, Elbern H., Easton, Pa. Pedal control. 160,987, Nov. 28.
Alkire, Elbern H., Easton, Pa. Stringed musical instrument. 161,075, Dec. 5.
Allen, Oliver L., Riverside, assignor to Electrolux Corporation, Old Greenwich, Conn. Vacuum cleaner nozzle or similar article. 161,076, Dec. 5.
Allen, Perry E., Detroit, Mich. Automobile gasoline door guard. 158,168, Apr. 18.
Allen, Perry E., Detroit, Mich. Automobile gasoline door guard. 158,169, Apr. 18.
Allen, Perry E., Detroit, Mich. Automobile gasoline door guard. 158,170, Apr. 18.
Allen, Robert E., and W. F. Utzinger, assignors to The Univis Lens Company, Dayton, Ohio. Lens edger. 159,575, Aug. 8.
Allen, Robert Y.: *See*— Shaw, Evan K., Melvin, and Allen.
Allen, Robert Y., Pacific Palisades, and M. Shaw, Beverly Hills, Calif., assignors to National Broadcasting Company, Inc. Puppet. 156,687, Jan. 3.
Allen, Robert Y., Encino, M. Shaw, Beverly Hills, and E. K. Shaw, Los Angeles, assignors to Metlox Manufacturing Company, Manhattan Beach, Calif. Pitcher or similar article. 157,932, Apr. 4.
Allen, Robert Y., Encino, M. Shaw, Beverly Hills, and E. K. Shaw, Los Angeles, assignors to Metlox Manufacturing Company, Manhattan Beach, Calif. Bowl or similar article. 158,540, May 16.
Allen, Robert Y., and M. Shaw, Beverly Hills, Calif., assignors to Frank M. Hoover, Inc., Youngstown, Ohio. Toy duck. 159,127, June 27.
Allen, Robert Y., Encino, M. Shaw, Beverly Hills, and E. K. Shaw, Los Angeles, assignors to Metlox Manufacturing Company, Manhattan Beach, Calif. Cup or similar article. 159,465, Aug. 1.
Allen, Robert Y., Encino, M. Shaw, Beverly Hills, and E. K. Shaw, Los Angeles, assignors to Metlox Manufacturing Company, Manhattan Beach, Calif. Plate or similar article. 160,357, Oct. 10.
Allesee, Marvin E., assignor to Dormeyer Corporation, Chicago, Ill. Supporting stand for motor-driven food appliances or similar articles. 156,688, Jan. 3.
Allied Chemical & Dye Corporation, assignee: *See*— Aubel, Verne W., Jr.
Lodes, Frederick G.
Alpert, Irving R., New York, N. Y. Luggage case. 159,128, June 27.
Altec Lansing Corporation, assignee: *See*— Albert, Vernon K.
Altemiller, Arthur D., Affton, Mo., assignor to Hercules Steel Products Corporation, Galion, Ohio. Casing for food serving equipment. 161,299, Dec. 26.
Altman, Clara J., Detroit, Mich. Dish drier. 160,684, Oct. 31.
Alto, George: *See*— Hofer, Hans, Alto, and Dix.
Alvarez, Edward V., assignor to The Plas-Tex Corporation, Los Angeles, Calif. Condiment dispenser. 159,770, Aug. 22.
Alvarez, Edward V., assignor to The Plas-Tex Corporation, Los Angeles, Calif. Plant protector. 161,231, Dec. 19.
Amaral, Celestino H., Hartford, Conn. Vendor's vehicle. 159,943, Sept. 5.
Ambrosino, Mario J., River Forest, Ill. Box inlaid with mother-of-pearl. 158,352, May 2.
Ament, James W., Youngstown, Ohio. Combination chewing gum and coin dispenser. 160,988, Nov. 28.
American Aerovap, Inc., assignee: *See*— Buehler, Emil.
American Brass Novelty Company, assignee: *See*— Lillyblad, Robert H., and Broersma.
American Carry-Products Company, Inc., assignee: *See*— Heideman, Robert C.
American Chicle Company, assignee: *See*— Bergstrom, Hal.
American Duplex Company, assignee: *See*— Schuhmann, Richard L.
American Fabrics Company, The, assignee: *See*— Wackerman, Charles S.
American Hospital Supply Corporation, assignee: *See*— Berner, Harry M.
American Machine and Metals, Inc., assignee: *See*— Fischer, Otto.
Miller, Hercheal W.
American Molasses Company, assignee: *See*— Smith, Frasier.
American National Dispensing Co., assignee: *See*— Kamp, George B.
American Optical Company, assignee: *See*— Armbruster, John T.
Collura, Francesco.
Ellis, Charles A.
Jonassen, Severin.
Wells, Raymond L.
American Products Company, The, assignee: *See*— Welt, David I.
American Safety Razor Corporation, assignee: *See*— De Mesquita, Edwin B.
Nelson, Edgar A.
American Seating Company, assignee: *See*— Bond, Willard H., Jr.
Nordmark, Walter E.
American Steel Foundries, assignee: *See*— Cottrell, Robert B.
Amerpro Machine Products, Inc., assignee: *See*— Savran, Irving.
Ames, Enos R., Wichita, Kans. Display stand for food waste disposal units. 159,310, July 18.
Amity Leather Products Co., assignee: *See*— Jeffery, David B.
Amston Silver Co., Inc., assignee: *See*— Malinowski, Harry A.
Anderson, Albert L.: *See*— Myers, Leslie W., and Anderson.
Anderson, Albert L., and L. W. Myers, assignors to Precision-Cosmet Company, Inc., Minneapolis, Minn. Spectacle frame. 157,021, Jan. 31.
Anderson Die Casting & Engineering Corporation, assignee: *See*— Bennett, James C.
Anderson, Emily A., assignee: *See*— Sneed, John.
Anderson, Frederick E., assignee: *See*— Schulz, Max.
Anderson, George W., assignor to The General Tire & Rubber Company, Akron, Ohio. Pneumatic tire casing. 157,118, Feb. 7.
Anderson, Herman E., assignor to E. L. Morris, De Ridder, La. Tobacco dispenser. 159,035, June 20.
Anderson, Inc., assignee: *See*— Reithard, William M.
Anderson, James W., Jr., Detroit, Mich. Rear vision mirror or similar article. 158,708, May 30.
Anderson, Milton E.: *See*— Schwartz, Emmett A., and Anderson.
Anderson, Olof V., Cowesett, R. I., assignor to Anson Incorporated. Tie holder. 160,051, Sept. 12.
Anderson, Robert I., Muskegon, Mich., and E. F. Thomson, Tuckahoe, N. Y., assignors to The Brunswick-Balke-Collender Company, Chicago, Ill. Newel post for bowling ball racks or the like. 158,241, Apr. 25.
Anderson, Robert I., Grand Haven, and B. Hoeker, Muskegon, Mich., assignors to The Brunswick-Balke-Collender Company, Chicago, Ill. Bowling alley masking unit or the like. 158,541, May 16.
Anderson, Robert I., Muskegon, Mich., and E. F. Thomson, Tuckahoe, N. Y., assignors to The Brunswick-Balke-Collender Company, Chicago, Ill. Terminal post for bowling ball racks or the like. 159,181, July 4.
Anderson, Robert I., Muskegon, Mich., and E. F. Thomson, Tuckahoe, N. Y., assignors to The Brunswick-Balke-Collender Company, Chicago, Ill. Masking unit for bowling alley pin-setters or the like. 160,569, Oct. 24.
Anderson, Sonia, Los Angeles, Calif. Collapsible backrest frame. 157,558, Mar. 7.
Anderson, Victor L., District Heights, Md. Combined flashlight, coin, key, and cardholder. 158,035, Apr. 11.
Anderson, Willis B., assignee: *See*— Sneed, John.
Andre, Gustaf E., Chicago, Ill. Smoking stand tray unit. 158,242, Apr. 25.
Andres, Lloyd J., assignor to Permo, Incorporated, Chicago, Ill. Phonograph needle. 160,989, Nov. 28.
Andresen, Raymond H., Chicago, Ill. Portable electric food mixer. 156,931, Jan. 24.
Andrews, Boley A., Kansas City, Kans., assignor to The Vendo Company, Kansas City, Mo. Key actuated switch post. 160,990, Nov. 28.
Andrews, Fred W., assignor to International Latex Corporation, Dover, Del. Strap fastener. 157,231, Feb. 14.
Andrews, James, assignor, by mesne assignments, to Vickers Incorporated, Waterbury Tool Division, Waterbury, Conn. Floor type tilting arbor saw. 159,129, June 27.
Animal Trap Company of America, assignee: *See*— Sakier, George.
Anson Incorporated, assignee: *See*— Anderson, Olof V.
Anton Reimerschmid Kommanditgesellschaft, assignee: *See*— Riemerschmid, Heinrich.
Apex Accessories Co., Inc., assignee: *See*— Pinson, Alfred.
Apex Products Corporation, assignee: *See*— Bodor, Louis.
Applegate, Clare E., Mansfield, Ohio, assignor to Dominion Electric Corporation. Electrical corn popper or similar article. 157,317, Feb. 21.
Appleton, Lou, New York, N. Y. Textile fabric or similar article of manufacture. 159,708, Aug. 15.
Appleton, Lou, New York, N. Y. Textile fabric or similar article of manufacture. 159,709, Aug. 15.

Appleton, Lou, New York, N. Y. Textile fabric or similar article of manufacture. 159,710, Aug. 15.
Appleton, Lou, New York, N. Y. Textile fabric or similar article of manufacture. 159,711, Aug. 15.
Arcularius, Charles du B., New Canaan, Conn., assignor to Laboratory Furniture Co., Inc., Long Island City, N. Y. Pedestal type electric outlet box. 157,119, Feb. 7.
Arcularius, Charles D., New Canaan, Conn., assignor to Laboratory Furniture Co., Inc., Long Island, City, N. Y. Valve knob. 159,311, July 18.
Arcularius, Charles D., New Canaan, Conn., assignor to Laboratory Furniture Co., Inc., Long Island City, N. Y. Laboratory control valve. 159,771, Aug. 22.
Arcularius, Charles D., New Canaan, Conn., assignor to Laboratory Furniture Co., Inc., Long Island City, N. Y. Laboratory control valve. 159,772, Aug. 22.
Arden, Elizabeth, Sales Corporation, assignee: *See*— Flato, Paul E.
Argus, Incorporated, assignee: *See*— Hertzler, Frederick W.
Aries, Robert S., New York, N. Y. Baby carriage or similar article. 158,036, Apr. 11.
Aries, Robert S., New York, N. Y. Baby carriage or similar article. 158,037, Apr. 11.
Armbrust, Gottlob, Providence, R. I. Ornamental chain. 156,802; Jan. 10.
Armbruster, John T., Niagara Falls, N. Y., assignor to American Optical Company, Southbridge, Mass. Projector. 157,022, Jan. 31.
Armbruster, John T., Niagara Falls, N. Y., assignor to American Optical Company, Southbridge, Mass. Lamp housing. 159,312, July 18.
Army, United States of America as represented by the Secretary of the, assignee: *See*—
Du Bois, Arthur E., and Wilson.
Will, Elizabeth.
Will, Elizabeth, and Du Bois.
Arnold, Glen L., assignee: *See*— Rackle, Joseph W.
Arnold, Harley E., and G. W. Saffran, Toledo, Ohio. Antennae insulator. 160,915, Nov. 21.
Arnold, Jay, Monroe, Va. Offset auxiliary high F key for saxophones. 158,923, June 13.
Arnolt Corporation, assignee: *See*— Harrison, Charles W.
Aron, Morris, South Norwalk, Conn. Necktie display rack or similar article. 160,830, Nov. 14.
Arrow Recoil Pad Co., assignee: *See*— Harbeke, Louis N.
Artistic Foundations, Inc., assignee: *See*— Torok, Frank.
Arts and Crafts Company, assignee: *See*— Novgrad, Benjamin.
Ashaway Line & Twine Mfg. Co., assignee: *See*— Crandall, Julian T.
Ashenfelter, Dabney, Swanton, assignor to Bil-Jax, Inc., Archbold, Ohio. Scaffold horse. 157,023, Jan. 31.
Asselin, James H., Winnetka, Ill. Rail brace. 158,709, May 30.
Ast, Ruth, St. Louis, Mo. Figurine. 157,828, Mar. 28.
Astrove, Joseph, New Rochelle, N. Y. Child's hooded suit. 160,831, Nov. 14.
Atkin, Kenneth C., assignor to Clarke Sanding Machine Company, Muskegon, Mich. Floor polisher. 156,689, Jan. 3.
Atkins, Allen L., assignee: *See*— Hoffmann, Elmer L., and Atkins.
Atkinson, Jack R., Washington, D. C. Airplane. 160,685, Oct. 31.
Atlanta Stove Works, Inc., The, assignee: *See*— King, Jay F., and White.
White, Joseph N., and King.
Atlas Manufacturing and Sales Company, The, assignee: *See*— Jenkins, Wallace A.
Atlas Time Corp., assignee: *See*— Silverman, Morris E., and Moss.
Attwell, P. Bob, Seattle, Wash. Roadside service station. 158,542, May 16.
Atwood, Doris A., West Newton, Mass. Front for an ophthalmic mounting. 161,077, Dec. 5.
Atwood, Doris A., West Newton, Mass. Front for an ophthalmic mounting. 161,078, Dec. 5.
Atwood, Doris A., West Newton, Mass. Front for an ophthalmic mounting. 161,079, Dec. 5.
Atwood, Laurence M., Dallas, Tex. Bathtub brush or similar article. 159,243, July 11.
Aubel, Verne W., Jr., Millburn, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Portable dehumidifying apparatus. 158,543, May 16.
Auerbach, Maurice J., East Cleveland, Ohio. Combination cigarette dispenser and savings bank. 159,313, July 18.
Augenstein, Karl C., Cranston, assignor to Speidel Corporation, Providence, R. I. Expansible chain for a bracelet or similar article. 158,633, May 23.
Augenstein, Karl C., Cranston, assignor to Speidel Corporation, Providence, R. I. Jewelry component or similar article. 160,137, Sept. 19.
Augenstein, Karl C., Cranston, assignor to Speidel Corporation, Providence, R. I. Expansible chain for a bracelet or similar article. 160,358, Oct. 10.
Augenstein, Karl C., Cranston, R. I., assignor to Spiedel Corporation Jewelry component or similar article. 160,916, Nov. 21.
Augenstein, Karl C., Cranston, R. I., assignor to Spiedel Corporation. Watch bracelet or similar article. 160,917, Nov. 21.
Auger, Cecilia T., Rouyn, Quebec, Canada. Ladies' traveling kit. 159,130, June 27.
Augustine, Andrew J.: *See*— Choffin, John J., and Augustine.
Austensen, Ivan L., Battle Creek, Mich. Clothes hanger. 159,944, Sept. 5.
Automatic Products Company, assignee: *See*— Johnson, Roy W., and Pawelsky.
Automatic Washer Company, assignee: *See*— Morgan, Jack.
Autopoint Company, assignee: *See*— Krause, Richard S., and Beckstrom.
Seibert, Ernest H.
Auto-Soler Company, The, assignee: *See*— Wynn, George M.
Autoyre Company, Inc., The, assignee: *See*— Simpson, Paul F.
AVCO Manufacturing Corporation, assignee: *See*— Clingman, William H.
Painter, David.
Reid, John D.
Reynolds, Carl, Jr.
Schladermundt, Peter, and Metzler.
Avon Sole Company, assignee: *See*— Baltzer, Richard K.
Avrashow, Nathan: *See*— Kirsch, David, and Avrashow.
Axel, Benjamin, assignor to Axel Bros., Inc., Long Island City, N. Y. Finger ring. 160,293, Oct. 3.
Axel Bros., Inc., assignee: *See*— Axel, Benjamin.
Azov, George, and S. Tkatch, San Francisco, Calif. Inflatable figure toy. 160,052, Sept. 12.
Azov, George, and S. Tkatch, San Francisco, Calif. Baby teether. 160,454, Oct. 17.
Babcock, George, Chicago, Ill., assignor to Wm. Wrigley Jr. Company. Confection vending machine. 156,861, Jan. 17.
Babson Bros. Co., assignee: *See*— Thomas, Chester A.
Bacco, Stephen V., Brooklyn, N. Y., and M. McVickar, Fitchburg, Mass., assignors to The Spool Cotton Company, New York, N. Y. Display cabinet. 157,024, Jan. 31.
Bachman, William N., Glendale, Mo. Holder for match folders. 160,455, Oct. 17.
Backie, John L., Vancouver, British Columbia, Canada, assignor to G. L. and J. D. Danley, M. C. Gordon, and D. G. Kelton, Denver, Colo. Combined telephone support and sterilizer. 157,120, Feb. 7.
Backus, Standish, Jr.: *See*— Knowles, Joseph E., Davis, and Backus.
Badash, Jack, Brooklyn, N. Y. Cream pitcher. 156,803; Jan. 10.
Baehr, Carl G., West Haven, assignor to The Greist Manufacturing Company, New Haven, Conn. Screw driver. 159,036, June 20.
Bagley, John F., Jr., South Hadley, assignor to Stanley Home Products, Inc., Westfield, Mass. Mop. 158,829, June 6.
Bailey, Lilburn M. D., Memphis, Tenn. Grille guard. 157,318, Feb. 21.
Bailey Meter Company, assignee: *See*— Wood, Kenneth A., and Panich.
Bailey, Richard W., Pasadena, assignor to Milo Harding Company, Los Angeles, Calif. Duplicating machine. 158,710, May 30.
Bailey, Robert B.: *See*— Melcher, Abraham H., and Bailey.
Bair, Julian H., Seattle, Wash. Liquid vaporizer. 160,570, Oct. 24.
Bair, Thomas C., assignor to Utica Radiator Corporation, Utica, N. Y. Step box. 157,319, Feb. 21.
Baker, David A.: *See*— Baker, Milton B. and D. A.
Baker, Grace M.: *See*— Baker, Kenneth C. and G. M.
Baker, Haskell L.: *See*— Marshall, Houston B., and Baker.
Baker, Kenneth C. and G. M., San Jose, Calif. Toilet tank cabinet. 161,152, Dec. 12.
Baker, Lillian M., Miami Beach, Fla. Combination can cover and dispenser for liquids. 157,320, Feb. 21.
Baker, Milton B. and D. A., Hamden, assignors to The Majestic Silver Company, New Haven, Conn. Spoon or other article of flatware. 157,025, Jan. 31.
Baker, Milton B. and D. A., Hamden, assignors to The Majestic Silver Company, New Haven, Conn. Spoon or other article of flatware. 159,244, July 11.
Baker, Paul S., J. M. Shoemaker, and I. N. Palley, Dallas, Tex., and W. C. Schoolfield, Easton, assignors to United Aircraft Corporation, East Hartford, Conn. Airplane. 158,634, May 23.
Baker, Raulang Company, The, assignee: *See*— Davies, Robert H.
Baker Ridgway, assignee: *See*— Darr, Harold W.
Balcrank, Inc., assignee: *See*— Hand, Thomas L.

Baldanza, Nicholas T., Rutherford, assignor to Columbia Protektosite Company Inc., Carlstadt, N. J. Rope-jumping figure toy. 157,121, Feb. 7.
Baldanza, Nicholas T., Rutherford, assignor to Columbia Protektosite Company Inc., Carlstadt, N. J. Combination box and display device. 159,884, Aug. 29.
Baldanza, Nicholas T., Rutherford, assignor to Columbia Protektosite Co. Inc., Carlstadt, N. J. Toy accordion. 160,991, Nov. 28.
Baldanza, Nicholas T., Rutherford, assignor to Columbia Protektosite Co., Inc., Carlstadt, N. J. Phonograph tone-arm. 161,300, Dec. 26.
Baldanza, Nicholas T., Rutherford, assignor to Columbia Protektosite Co., Inc., Carlstadt, N. J. Phonograph. 161,301, Dec. 26.
Baldwin, Birdie L., Atlanta, Ga. Combination dressing table and chest of drawers. 161,302, Dec. 26.
Baldwin Company, The, assignee: *See*—
Millington, William, and Day.
Ball, Arthur G., Los Angeles, Calif. Condiment dispensing unit. 159,131, June 27.
Ball, Charles W., assignor to The Crown Plastics Corporation, Bridgeport, Conn. Holder for bobby pins or the like. 158,353, May 2.
Ball, Emma, Youngstown, Ohio. Spoon tray. 158,544, May 16.
Ball, Joseph F. M., Youngstown, Ohio. Liquid dispenser for hand lotion or the like. 157,933, Apr. 4.
Ballou, B. A., & Co. Incorporated, assignee: *See*—
Moulson, Florence S.
Moulson, Frederick W.
Balluff, E. J., asssignee: *See*—
Crowder, Wiley K.
Baltzer, Richard K., Pembroke, assignor to Avon Sole Company, Avon, Mass. Shoe sole. 159,466, Aug. 1.
Bambach, Hans J., Philadelphia, Pa. Stocking. 161,153, Dec. 12.
Bamford, Benjamin, Detroit, Mich. Document holder. 159,576, Aug. 8.
Bank, Arnold, assignee: *See*—
Huzarsky, Morris.
Bannister, Harry T., Huntington Woods, assignor to Chrysler Corporation, Highland Park, Mich. Automobile lamp lens. 158,243, Apr. 25.
Bannister, Harry T., Huntington Woods, Mich. Ornament for an automobile body. 160,053, Sept. 12.
Bannister, Harry T., Huntington Woods, assignor to Chrysler Corporation, Highland Park, Mich. Hood ornament for an automobile. 160,456, Oct. 17.
Bannister, Harry T., Huntington Woods, assignor to Chrysler Corporation, Highland Park, Mich. Combined automobile lock and lamp housing. 160,457, Oct. 17.
Bannister, Harry T., Huntington Woods, assignor to Chrysler Corporation, Highland Park, Mich. Automobile grille. 160,458, Oct. 17.
Bannister, Harry T., Huntington Woods, assignor to Chrysler Corporation, Highland Park, Mich. Automobile stone shield. 160,459, Oct. 17.
Bannister, Harry T., Huntington Woods, assignor to Chrysler Corporation, Highland Park, Mich. Lens housing. 160,460, Oct. 17.
Bannister, Harry T., Huntington Woods, assignor to Chrysler Corporation, Highland Park, Mich. Automobile trim molding. 160,461, Oct. 17.
Bannister, Harry T., Huntington Woods, assignor to Chrysler Corporation, Highland Park, Mich. Automobile trim bar. 160,462, Oct. 17.
Bannister, Harry T., Huntington Woods, assignor to Chrysler Corporation, Highland Park, Mich. Automobile radiator grille bar. 160,463, Oct. 17.
Bannister, Harry T., Huntington Woods, assignor to Chrysler Corporation, Highland Park, Mich. Frame for an automobile lamp lens. 160,464, Oct. 17.
Bannister, Harry T., Huntington Woods, assignor to Chrysler Corporation, Highland Park, Mich. Automobile trim molding. 160,465, Oct. 17.
Bannister, Harry T., Huntington Woods, Mich. Grille panel for an automobile. 160,466, Oct. 17.
Bannister, Harry T., Huntington Woods, assignor to Chrysler Corporation, Highland Park, Mich. Ornament for an automobile grille. 160,760, Nov. 7.
Bannister, Harry T., Huntington Woods, assignor to Chrysler Corporation, Highland Park, Mich. Housing for an automobile medallion. 160,761, Nov. 7.
Bannister, Harry T., Huntington Woods, assignor to Chrysler Corporation, Highland Park, Mich. Combined automobile lamp lens housing and grille panel. 160,762, Nov. 7.
Banzhaf, Joseph A.: *See*—
Blaich, Rudolph C., and Banzhaf.
Barber-Colman Company, assignee: *See*—
Kennedy, Walter W.
Quin, Murray L.
Barber, Robert R., Idlewild, and B. A. Raetsch, Parkville, Md., assignors to Western Electric Company, Incorporated, New York, N. Y. Can or similar receptacle. 159,712, Aug. 15.
Barbery, Lucille M., assignor to Foley-Manufacturing Company, Minneapolis, Minn. Sifter. 159,467, Aug. 1.
Barbieri, Nicholas, Providence, R. I., assignor to Uncas Manufacturing Company. Ring box. 158,545, May 16.
Barbieri, Nicholas, Providence, R. I., assignor to Uncas Manufacturing Company. Finger ring or the like. 159,885, Aug. 29.
Bard, Nelson P., Chagrin Falls, Ohio. Steam table. 158,830, June 6.
Bardach, Paul, Providence, R. I. Jewelry chain. 156,804; Jan. 10.
Bardach, Paul, Providence, R. I. Jewelry chain. 156,805; Jan. 10.
Bardach, Paul, Providence, R. I. Jewelry chain. 156,806; Jan. 10.
Bardach, Paul, Providence, R. I. Perfume container brooch. 158,546, May 16.
Bardach, Paul, Providence, R. I. Jewelry chain. 158,635, May 23.
Bardach, Paul, Providence, R. I. Necklace or similar article. 159,037, June 20.
Bardach, Paul, Providence, R. I. Necklace or similar article. 159,403, July 25.
Bardach, Paul, Providence, R. I. Jewelry chain. 160,241, Sept. 26.
Bardach, Paul, Providence, R. I. Bracelet or similar article. 160,242, Sept. 26.
Barden, Carl G., Woodland, Calif. Combination rear bumper, trailer hitch and foot platform for vehicles. 157,321, Feb. 21.
Baretta, Patrick A., Kansas City, Kans. Bicycle. 157,322, Feb. 21.
Barkules, Andrew P., and R. G. Sanders, Chicago, Ill. Combined thermometer and clothing indicator. 157,653, Mar. 14.
Barmache, Leon, and M. Mutin, New York, N. Y. Combination crib and utility chest. 158,038, Apr. 11.
Barnes, James F., Chicago, assignor to McGraw Electric Company, Elgin, Ill. Sadiron. 157,725, Mar. 21.
Barnett, Charles A., West Chester, Pa., assignor to Kellett Aircraft Corporation. Helicopter. 157,323, Feb. 21.
Barnett, Joseph A.: *See*—
Peterson, William, and Barnett.
Barnett, Joseph A., assignor to A. B. A. Corporation, Chicago, Ill. Combined pen and holder therefor. 159,245, July 11.
Barnett, Stanley G., Denver, Colo. Portable tray table or similar article. 157,324, Feb. 21.
Barnhart, A. Baker, New York, N. Y. Wall covering or the like. 157,325, Feb. 21.
Barnhart, A. Baker, New York, assignor to Modern Carpet Sweeper Co., Inc., Brooklyn, N. Y. Barbecue grill. 161,080, Dec. 5.
Baron, Louis L., North Hollywood, Calif. Air pistol or similar article. 157,934, Apr. 4.
Barr, Budd, Detroit, Mich. Gasoline door guard for an automotive vehicle. 159,945, Sept. 5.
Barrett, Clifford G., Newark, N. J., assignor to The Portable Light Company, Inc., New York, N. Y. Pistol grip spotlight or the like. 160,138, Sept. 19.
Barrett, Jack H., Washington, D. C. Ash receiver. 160,763, Nov. 7.
Barron, Edward R., Gloversville, N. Y. Child's boot. 159,577, Aug. 8.
Bartholomew, Robert L. R., Chester Springs, Pa. Portable electric fountain. 161,154, Dec. 12.
Bartley, Harold F., Worcester, N. Y. Ash tray. 159,946, Sept. 5.
Bartman, Clyde L. C., Arcadia, Calif., assignor to Platt Luggage, Inc., Chicago, Ill. Combined handle and handle posts. 160,054, Sept. 12.
Bartman, Clyde L. C., Arcadia, Calif., assignor to Platt Luggage, Inc., Chicago, Ill. Handle. 160,055, Sept. 12.
Bartner, Sol, New York, N. Y. Belt buckle frame. 159,578, Aug. 8.
Barto, Frank R., Junction City, Oreg. Ash tray. 158,636, May 23.
Barton, Inc., assignee: *See*—
Klein, Stephen.
Barton, Ruth M., San Francisco, Calif. Compact. 156,690, Jan. 3.
Barudin, Nathan J., New Rochelle, assignor of one-half to Metropolitan Tool Works, New York, and one-half to G. E. Parks, Brooklyn, N. Y. Carbonation testing device. 158,039, Apr. 11.
Bass, Jay E.: *See*—
Schwartz, Sydney A., and Bass.
Bass, Oscar E., Hendersonville, N. C. Finger ring. 160,243, Sept. 26.
Bass, Oscar E., Hendersonville, N. C. Finger ring. 160,294, Oct. 3.
Bassett, Maxwell B.: *See*—
Ebel, William K., Magruder, and Bassett.
Bassin, Norman L., Los Angeles, Calif. Portable rack for vacuum cleaner and attachments. 158,547, May 16.
Batten, James R., Oakland, Calif. Desk. 157,726, Mar. 21.
Battersby, Denis J., West Wittering, England. Tire pressure gauge. 156,807; Jan. 10.
Batzes, Dorothy, Bayonne, N. J. Scarf or similar article. 158,040, Apr. 11.
Bauer, Benjamin A.: *See*—
Schiavon, Louis T., and Bauer.
Baumgartner, Otto F., Kansas City, Mo. Frame for automobile license plates. 159,314, July 18.

Bausch & Lomb Optical Company, assignee: *See*—
De Grave, Charles J., Jr.
Gallasch, Bernhardt G.
Gay, Fred G., Jr., and Stegeman.
Stegeman, Raymond F. E.

Bazelon, Roy, Chicago, Ill. Shuffleboard game table. 161,081, Dec. 5.

Beaber, Jeanne: *See*—
Harter, Herold M., and Beaber.

Beach, William, Wilmington, Calif. Football scorer. 159,315, July 18.

Beach, William, Wilmington, Calif. Baseball scorer. 159,316, July 18.

Beall, John E.: *See*—
Clark, Willis E., and Beall.

Beasley, Charles H., assignee: *See*—
Rackle, Joseph W.

Beaudot, William H., Chicago, Ill. Popcorn dispenser. 158,831, June 6.

Beaver, Basil A., assignor to Gray Company, Inc., Minneapolis, Minn. Grease gun. 158,832, June 6.

Beccio, Giuseppe, Milano, assignor to Ing. C. Olivetti & C. Societa per Azioni, Ivrea, Italy. Typewriter frame. 160,467, Oct. 17.

Bechelli, Joseph, San Francisco, Calif. Belt buckle. 157,935, Apr. 4.

Beck, Charles E., Park Ridge, assignor to Motorola, Inc., Chicago, Ill. Control head. 159,182, July 4.

Beck, Douglas J.: *See*—
Cohen, Leon R., and Beck.

Beck, George, Syracuse, N. Y., assignor to General Electric Company. Television receiver. 156,808; Jan. 10.

Becker, Aloysius W., Des Plaines, Ill. Ash tray. 159,468, Aug. 1.

Becker, Harry, New York, N. Y. Cup. 159,886, Aug. 29.

Becker, Stephen P., R. B. Schoonmaker, and H. R. Wengen, assignors to Fargo Mfg. Company, Inc., Poughkeepsie, N. Y. Cable dead-end gripping device. 158,171, Apr. 18.

Beckstrom, Garfield L.: *See*—
Krause, Richard S., and Beckstrom.

Bec Var, Arthur N., Wilton, Conn., assignor to General Electric Company. Electric food mixer. 160,295, Oct. 3.

BecVar, Arthur N., Bridgeport, and R. E. Munz, Fairfield, Conn., assignors to General Electric Company. Electric momentary contact switch. 158,637, May 23.

Beckwith, Edwin L., West Newton, Mass., assignor to Beckwith Manufacturing Company, Dover, N. H. Coffee server. 160,056, Sept. 12.

Beckwith Manufacturing Company, assignee: *See*—
Beckwith, Edwin L.
Harrison, Raymond B.

Beer, Leo, New York, N. Y. Trimming or similar article. 157,559, Mar. 7.

Beghetti, Peter, San Francisco, Calif. Napkin holder. 156,932, Jan. 24.

Beghetti, Peter, San Francisco, Calif. Holder for napkins. 156,933, Jan. 24.

Beh and Company, assignee: *See*—
Buser, Charles.

Bela Company, The, assignee: *See*—
Lahr, Herman.

Belaief, Irving, assignor to Dainty Maid Hosiery Co., Inc., New York, N. Y. Lady's stocking or similar article. 160,992, Nov. 28.

Belanger, Aldor O., Mattawa, Ontario, Canada. Bedstead. 160,571, Oct. 24.

Beldue, William J.: *See*—
Tuttle, William R., and Beldue.

Bel Geddes, Norman, assignor to National Silver Company, New York, N. Y. Spoon or similar article of flatware. 159,773, Aug. 22.

Bel Geddes, Norman, assignor to National Silver Company, New York, N. Y. Spoon or similar article of flatware. 159,774, Aug. 22.

Bel Geddes, Norman, New York, N. Y., and E. F. Noyes, New Canaan, Conn., assignors to International Business Machines Corporation, New York, N. Y. Typewriter. 160,139, Sept. 19.

Bell & Howell Company, assignee: *See*—
Johnson, Elmer L.
Perzentka, Thomas R.
Reinecke, Jean O.

Bell, Louis, assignee: *See*—
Brandano, Guiseppe.

Bell Telephone Laboratories, Incorporated, assignee: *See*—
Dreyfuss, Henry.

Bell, William B. R., Dallas, Tex. Combination bumper guard and fog light. 157,326, Feb. 21.

Bell, William B. R., Dallas, Tex. Automobile emblem plate. 161,232, Dec. 19.

Bell, William R., Terre Haute, Ind. Fireside bench. 159,947, Sept. 5.

Beller, Charles S., New York, N. Y. Cigarette holder. 158,833, June 6.

Bellevue Manufacturing Company, The, assignee: *See*—
Wolfe, Arthur D.

Belmont, Edgar, Port Chester, N. Y. Combination chair and costumer. 156,691, Jan. 3.

Belmont, Edgar, Port Chester, N. Y. Propelling attachment for boat rudders. 159,775, Aug. 22.

Belsky, Milo J., Oklahoma City, Okla. Display case. 159,887, Aug. 29.

Benak, George R., Chicago, Ill. Rebound device for a ball rolling amusement game. 157,727, Mar. 21.

Bender, Gorman L., Wichita, Kans. Combined coaster and bracket. 160,764, Nov. 7.

Bender, Joseph M., Manhasset, assignor to Jacoby-Bender, Inc., New York, N. Y. Expansible link chain for a bracelet or the like. 158,548, May 16.

Bender, Joseph M., Manhasset, assignor to Jacoby-Bender, Inc., New York, N. Y. Lazy-tongs expansible link chain for a bracelet or the like. 159,317, July 18.

Bender, Joseph M., Manhasset, assignor to Jacoby-Bender, Inc., New York, N. Y. Expansible bracelet or the like. 159,318. July 18.

Bender, Joseph M., Manhasset, assignor to Jacoby-Bender, Inc., New York, N. Y. Expansible bracelet or the like. 161,303, Dec. 26.

Benjamin, Allen, Chicago, Ill. Extensible band for a watch bracelet or similar article. 159,183, July 4.

Benjamin, E. Burton, New York, N. Y. Television receiver. 157,327, Feb. 21.

Benjamin, Harry S., Detroit, and H. R. De Harte, Farmington, assignors to The Leading Engine Company, Detroit, Mich. Engine crankcase. 156,692, Jan. 3.

Bennett, James C., Inglewood, assignor to Anderson Die Casting & Engineering Corporation, Los Angeles, Calif. Cord guide for Venetian blind mounting brackets. 160,296, Oct. 3.

Bennett, John E., San Francisco, Calif. Fruit and vegetable juicer. 159,469, Aug. 1.

Benninghofen, Paul, trustee, assignee: *See*—
Katz, Russell.
Katz, Russell S.

Benorden, Aaron H., Jesup, Iowa. Vehicle tire. 161,155, Dec. 12.

Bereth, Charles W., San Jose, Calif. Nutcracker. 158,924, June 13.

Berg, Jack G.: *See*—
Schear, Ralph D., and Berg.

Berg, Jerry, Brooklyn, N. Y. Combined doll and transparent container therefor. 157,560, Mar. 7.

Bergal, Geo., assignor to Stores Publishing Co. Inc., New York, N. Y. Magazine rack. 156,693, Jan. 3.

Bergen, Philip E., Farmington, Conn. Tire. 157,829, Mar. 28.

Berger, David, Detroit, Mich. Liquid dispenser. 158,638, May 23.

Berger, Emil J., assignor to Dexdale Hosiery Mills, Lansdale, Pa. Stocking. 161,304, Dec. 26.

Berger, Jacob, New York, N. Y. Stroller or similar article. 158,041, Apr. 11.

Berger, Samuel I., Newark, N. J. Mechanical jumping jack. 159,579, Aug. 8.

Bergeron, Narcisse C., Oakland, Calif. Fireplace grate. 160,686, Oct. 31.

Berggren, Eric, assignor to Blackstone Manufacturing Co., Inc., Chicago, Ill. Automobile ornament or similar article. 160,468, Oct. 17.

Bergman, Jack, Pittsburgh, Pa. Clock or similar article. 160,832, Nov. 14.

Bergstrom, Hal, New Rochelle, assignor to American Chicle Company, Long Island City, N. Y. Vending machine. 159,038, June 20.

Berk, Leslie H., Rocky River, Ohio. Toy whistle. 158,172, Apr. 18.

Berkeley Industries, assignee: *See*—
Leebow, Albert.

Berkman, Herbert A., Chicago, Ill., assignor to Zim Manufacturing Company. Valve key inserter. 159,039, June 20.

Berkowitz, Joseph, Kansas City, Mo. Game apparatus. 161,233, Dec. 19.

Berman, Oscar A., New York, N. Y. Dress. 159,132, June 27.

Berman, Oscar A., New York, N. Y. Dress or similar article. 160,687, Oct. 31.

Berman, Oscar A., New York, N. Y. Dress or similar article. 160,833, Nov. 14.

Berman, Oscar A., New York, N. Y. Dress. 161,082, Dec. 5.

Bernard, Jacques, Paris, assignor to Society Bernard-Moteurs, S. A., Rueil-Malmaison, France. Motor. 157,654, Mar. 14.

Berner, Harry M., Chicago, assignor to American Hospital Supply Corporation, Evanston, Ill. Stool. 158,042, Apr. 11.

Berner, Harry M., Chicago, assignor to American Hospital Supply Corporation, Evanston, Ill. Stool. 158,834, June 6.

Berner, Harry M., Chicago, assignor to American Hospital Supply Corporation, Evanston, Ill. Basin stand. 160,918, Nov. 21

Bernitz, Carl C., Kansas City, Mo. Cowling for coin control mechanism for vending machines. 157,830, Mar. 28.

Bernstein, Milton, assignor to National Silver Company, New York, N. Y. Spoon or similar article of flatware. 157,232, Feb. 14.

Bernstein, Morton M., Manhasset, assignor to Plastikaire Products Inc., Queens Village, N. Y. Inflatable toy figure. 161,305, Dec. 26.

Bernstein, Russell, Chicago, Ill. Radio clock. 160,057, Sept. 12.

Bernstein, Sol, assignor to Miller Bros. Hat Co., Inc., New York, N. Y. Hat display stand. 161,083, Dec. 5.

Bernzott, Hugo: *See*—
Gardner, René, and Bernzott.
Bernzott, Hugo, Niles, and J. T. Heck, Elmhurst, Ill., assignors to Da-Lite Screen Company, Inc. Latch unit for moving picture screens. 158,244, Apr. 25.
Berry, Clifton V., New York, N. Y. Combined toothbrush and dentifrice holder. 157,936, Apr. 4.
Berry, Virgil S., Mos Point, Miss. Combined service signal and napkin holder. 160,297, Oct. 3.
Bert, Samuel, Dallas, Tex. Suitcase or the like. 158,354, May 2.
Bertino, Fred, Flushing, N. Y. Toaster. 158,430, May 9.
Beseke, Johanna, Minneapolis, Minn. Pouring cap for a milk bottle. 157,328, Feb. 21.
Betts, Murrie C., Detroit, Mich. Toy derrick. 159,948, Sept. 5.
Bevelacqua, Inc., assignee: *See*—
Bevelacqua, Salvatore.
Bevelacqua, Salvatore, Westport, Conn., assignor to Bevelacqua, Inc., New York, N. Y. Chair. 157,655, Mar. 14.
Bevelacqua, Salvatore, Westport, Conn., assignor to Bevelacqua, Inc., New York, N. Y. Love seat. 157,831, Mar. 28.
Bevelacqua, Salvatore, Westport, Conn., assignor to Bevelacqua, Inc., New York, N. Y. Dresser. 158,431, May 9.
Bevelacqua, Salvatore, Westport, Conn., assignor to Bevelacqua, Inc., New York, N. Y. Credenza. 158,432, May 9.
Bevelacqua, Salvatore, Westport, Conn., assignor to Bevelacqua, Inc., New York, N. Y. Bed. 158,433, May 9.
Bevelacqua, Salvatore, Westport, Conn., assignor to Bevelacqua, Inc., New York, N. Y. Cupboard. 158,434, May 9.
Bevelacqua, Salvatore, Westport, Conn., assignor to Bevelacqua, Inc., New York, N. Y. Love seat. 160,058, Sept. 12.
Bevington, Curtis H., Chicago, Ill., assignor to The Vulcan Radiator Company, Hartford, Conn. Radiator cover. 158,043, Apr. 11.
Bevis, Jeffery M.: *See*—
Victoreen, John A., Bevis, Bush, and Kidney.
Bianchi, Alfred, Brooklyn, assignor to The Bianchi Co., New York, N. Y. Candy confection. 157,728, Mar. 21.
Bianchi Co., The, assignee: *See*—
Bianchi, Alfred.
Bicos, Athan, Mazeika, Kalavriton, Greece. Water gun. 159,040, June 20.
Biehayn, William P., Richmond Hill, assignor to S. W. Farber, Inc., New York, N. Y. Coffee maker. 161,306, Dec. 26.
Bien, Albert H., Philidalphia, Pa. Table lamp or the like. 159,319, July 18.
Bienen, Mitchel R., New York, N. Y. Frame for a handbag. 161,156, Dec. 12.
Biener, Herman, Brooklyn, N. Y. Soap support or the like. 158,435, May 9.
Bienvenido Sorribes, Miguel, Barcelona, Spain. Bottle or the like. 159,133, June 27.
Bigelow, Charles A., Houston, Tex. Aircraft tire. 161,234, Dec. 19.
Bigelow, Charles A., Houston, Tex. Aircraft tire. 161,235, Dec. 19.
Bigelow-Sanford Carpet Co., Inc., assignee: *See*—
Lehner, Charles D.
Biggs, Earl R., Portland, Oreg. Rollback toy. 157,464, Feb. 28.
Bihlmire, Otto L., South Bend, Ind. Automobile windshield visor. 159,041, June 20.
Bil-Jax, Inc., assignee: *See*—
Ashenfelter, Dabney.
Billig, Ralph B.: *See*—
Ziskin, Manual S., and Billig.
Bindman, Stanley, assignor to Noma Electric Corporation, New York, N. Y. Sewing kit. 160,359, Oct. 10.
Bingham-Herbrand Corporation, The, assignee: *See*—
Heschel, Eugene A.
Binney, Helen R., Los Angeles, Calif. Child's teething toy. 160,140, Sept. 19.
Birkheimer, George E., Salinas, Calif. Wheel balance weight. 159,776, Aug. 22.
Biro Manufacturing Company, assignee: *See*—
Biro, Vincent G.
Biro, Vincent G., Lakeside, assignor to Biro Manufacturing Company, Marblehead, Ohio. Meat chopper. 157,465, Feb. 28.
Birtman Electric Company, assignee: *See*—
Karstadt, Clarence.
Bischof Die & Engraving Co., assignee: *See*—
Bischof, John.
Bischof, John, assignor to Bischof Die & Engraving Co., Racine, Wis. Accountant's ruler. 161,307, Dec. 26.
Bisley, William F., Oak Park, assignor to Dormeyer Corporation, Chicago, Ill. Food mixer. 158,835, June 6.
Bissell, Harry G., assignor to Jordan Regulator Corporation, Lebanon, Ohio. Hot and cold water mixing valve. 159,134, June 27.
Bissman, Carl A., Springfield, Mo. Rack for playing cards. 161,236, Dec. 19.
Bittman, Harry U., East Orange, N. J. Pencil ferrule. 159,246, July 11.
Bjoro, Edvin F., and J. M. Fisher, Huntington, N. Y., assignors to The Spool Cotton Company, Newark, N. J. Display cabinet. 159,320, July 18.
Bjoro, Edvin F., and J. M. Fisher, Huntington, N. Y., assignors to The Spool Cotton Company, Newark, N. J. Display cabinet. 160,360, Oct. 10.
Blaich, Rudolph C., Buffalo, and J. A. Banzhaf, Kenmore, N. Y. Weight operated climbing toy. 159,135, June 27.
Black, George W.: *See*—
Simpson, Jeanette D., and Black.
Black, James J., assignor to The Trailmobile Company, Cincinnati, Ohio. Trailer body. 157,329, Feb. 21.
Black, James J., assignor to The Trailmobile Company, Cincinnati, Ohio. Trailer body. 157,330, Feb. 21.
Blackman, Sidney, Newark, N. J. Sandwich toaster or similar article. 157,832, Mar. 28.
Blackstone Corporation, assignee: *See*—
Conterman, Fred A.
Blackstone Manufacturing Co., Inc., assignee: *See*—
Berggren, Eric.
Blaeker, Joseph, Brooklyn, N. Y. Combined air suction and thread trimming machine. 161,084, Dec. 5.
Blairsville Machine Products Company, assignee: *See*—
Kirkell, Leon H.
Blake, William T., Handley, and J. R. Moore, assignors to A. Lyon, Fort Worth, Tex. Swivel. 157,122, Feb. 7.
Blanc, Marinette, Hewlett, assignor to Picardy Mills, Inc., Brooklyn, N. Y. Glove. 157,331, Feb. 21.
Blanch, Arnold A., Woodstock, assignor to Castleton China Incorporated, New York, N. Y. Salad bowl or the like. 159,580, Aug. 8.
Blanch, Arnold A., Woodstock, assignor to Castleton China Incorporated, New York, N. Y. Plate or the like. 159,713, Aug. 15.
Blandin, Elmer R., Osage, Iowa. Electric fence gate handle. 160,244, Sept. 26.
Blanks, William H., Grandbury, Tex. Savings bank or similar article. 158,639, May 23.
Blanning, Harry K., Chicago, Ill., assignor, by mesne assignments, to International Steel Company, Evansville, Ind. Floor rack for transportation units. 159,949, Sept. 5.
Blanton, Harold L.: *See*—
Mathews, Franklin R., and Blanton.
Blatner, Milton W., Flushing, and A. H. Sachson, Brooklyn, assignors to The Kriser Corporation, New York, N. Y. Diathermy electrode unit or the like. 159,042, June 20.
Bliss, Charles O., Los Angeles, Calif. Food serving dish. 157,729, Mar. 21.
Bloch, Ivan, Hartsdale, N. Y. Lapel ornament. 159,136, June 27.
Bloom, Gertrude, and Israel Bloom, New York, N. Y. Glove holding attachment for handbags. 157,233, Feb. 14.
Bloom, Gertrude and Israel, New York, N. Y. Glove holding attachment for a handbag or the like. 158,245, Apr. 25.
Bloom, Israel: *See*—
Bloom, Gertrude and Israel.
Bloomfield, Nathan, Chicago, Ill. Automobile seat cover. 157,561, Mar. 7.
Blossom Manufacturing Co., assignee: *See*—
Shulman, Matthew H.
Blue, Lebert E., Montezuma, and V. F. Hodges, Indianapolis, Ind. Amusement car. 161,308, Dec. 26.
Blum, Robert D., Jr.: *See*—
Schwartz, Shepard B., and Blum.
Schwartz, Shepard B., and Blum, Jr.
Bobb, Lloyd J.: *See*—
Reed, Frank J., and Bobb.
Bobenmyer, Corson E., assignee: *See*—
Kinne, Harold N.
Boca, Albert A., Grosse Pointe, assignor to General Motors Corporation, Detroit, Mich. Coach. 160,059, Sept. 12.
Bocher, Main R., New York, N. Y., assignor to Passavant Memorial Hospital, Chicago, Ill. Dress. 156,809; Jan. 10.
Bodor, Louis, Munsey Park, assignor to Apex Products Corporation, New York, N. Y. Combined pencil holder and multiplier. 159,247, July 11.
Boehlert, Frederick L., Buffalo, N. Y. Combined collar and tie holder. 157,730, Mar. 21.
Boehnlein, Victor G., Oklahoma City, Okla. Sport shirt or the like. 161,237, Dec. 19.
Boepple, Hans, New York, N. Y. Sweater. 156,862, Jan. 17.
Boettcher, Erich, Southampton, Pa. Stocking. 159,404, July 25.
Boeye, Paul F., Minneapolis, Minn. Combination vegetable chopping block and bowl. 157,123, Feb. 7.
Bogoff, Herman, Chicago, Ill. Bracelet or similar article. 158,711, May 30.
Bogoff, Herman, Chicago, Ill. Brooch or similar article. 159,777, Aug. 22.
Bogoff, Herman, Chicago, Ill. Brooch or similar article. 159,778, Aug. 22.
Bogoff, Herman, Chicago, Ill. Choker or similar article. 160,141, Sept. 19.
Bogoff, Herman, Chicago, Ill. Choker or similar article. 160,142, Sept. 19.
Bok, Arthur B., Fort Wayne, Ind. Clothesline reel. 158,640, May 23.

Bolard, George L., Meadville, Pa. Bottle cap. 157,332, Feb. 21.
Bolas, Harold: *See*—
Pullin, Raymond A., and Bolas.
Bolser, Clark M., assignor to The Bolser Corporation, Cedar Falls, Iowa. Reflector signal. 161,085, Dec. 5.
Bolser Corporation, The, assignee: *See*—
Bolser, Clark M.
Bolté, Brown, and R. Dixon, New Canaan, Conn. Container. 161,086, Dec. 5.
Bonanno, Joseph L., Madison, N. J., assignor to The Lionel Corporation, New York, N. Y. Controller for toy railroads. 160,765, Nov. 7.
Bond, Willard H., Jr., assignor to American Seating Company, Grand Rapids, Mich. Chair supporting pedestal. 157,656, Mar. 14.
Bond, Willard H., Jr., assignor to American Seating Company, Grand Rapids, Mich. Chair end standard. 160,060, Sept. 12.
Bond, Willard H., Jr., assignor to American Seating Company, Grand Rapids, Mich. Chair end standard. 160,061, Sept. 12.
Bonkowski, Teofil L., and H. Solloway, Los Angeles, Calif. Musical toy. 156,863, Jan. 17.
Bonner, Eunice, Gary, and E. Bowers, Elkhart, assignors to Mothers of World War No. II, Inc., Indianapolis, Ind. Badge or similar article. 157,333, Feb. 21.
Bonnytex Company, assignee: *See*—
Graboi, Michael.
Bookman, Harry, Los Angeles, Calif. Fender guard or similar article. 157,334, Feb. 21.
Bookman, Harry, Los Angeles, Calif. Front fender skirt or similar article. 157,833, Mar. 28.
Boonin, Michael M., Upper Darby, Pa. Building. 157,026, Jan. 31.
Boonin, Michael M., Upper Darby, Pa. Building. 157,027, Jan. 31.
Booth, John G., Philadelphia, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control panel for remote measuring and control instrument. 160,766, Nov. 7.
Booth, John G., Fox Chase Manor, and L. R. Davis, Newtown, Pa., assignors, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Multiple control panel unit. 158,173, Apr. 18.
Boots, William C., Rumford, R. I., assignor to Foster Metal Products Incorporated, Attleboro, Mass. Bracelet case. 159,581, Aug. 8.
Bornstein, Joseph, Brookline, assignor to Simplex Metal Products Co., Boston, Mass. Rack for towels and the like. 157,466, Feb. 28.
Bortner, William A.: *See*—
Ebel, William K., and Bortner.
Bossart, Frederick R., Detroit, Mich. Educational game board. 159,405, July 25.
Bosserman, Luther T.: *See*—
Felts, Hildred C., and Bosserman.
Bostwich, Herbert C.: *See*—
Pine, Cecil C., Bostwick, Fragola, and Nesbitt.
Botsford, Edwin N., assignor to Wallace China Company, Ltd., Los Angeles, Calif. Dinner plate or the like. 158,641, May 23.
Bottome, Edgar M., assignor to Fostoria Glass Company, Moundsville, W. Va. Goblet. 158,549, May 16.
Boucher, Marcel, Eltingville, N. Y. Brooch or similar article. 159,591, Aug. 8.
Boucher, Marcel, Eltingville, N. Y. Earring or similar article. 159,592, Aug. 8.
Boucher, Marcel, Eltingville, N. Y. Earring or similar article. 159,593, Aug. 8.
Boucher, Marcel, Eltingville, N. Y. Earring or similar article. 159,594, Aug. 8.
Boucher, Marcel, Eltingville, N. Y. Earring or similar article. 160,361, Oct. 10.
Boucher, Marcel, Eltingville, N. Y. Brooch or similar article. 161,238, Dec. 19.
Boucher, Marcel, Eltingville, N. Y. Earring or similar article. 161,239, Dec. 19.
Boucher, Marcel, Eltingville, N. Y. Earring or similar article. 161,240, Dec. 19.
Boucher, Marcel, Eltingville, N. Y. Earring or similar article. 161,241, Dec. 19.
Boucher, Marcel, Eltingville, N. Y. Bracelet or similar article. 161,309, Dec. 26.
Boucher, Marcel, Eltingville, N. Y. Earring or similar article. 158,926, June 13.
Boucher, Marcel, New York, N. Y. Pin or similar article. 158,925, June 13.
Boucher, Marcel, New York, N. Y. Pin or similar article. 159,582, Aug. 8.
Boucher, Marcel, New York, N. Y. Pin or similar article. 159,583, Aug. 8.
Boucher, Marcel, New York, N. Y. Pin or similar article. 159,584, Aug. 8.
Boucher, Marcel, New York, N. Y. Pin or similar article. 159,585, Aug. 8.
Boucher, Marcel, New York, N. Y. Pin or similar article. 159,586, Aug. 8.
Boucher, Marcel, Staten Island, N. Y. Combined brooch and watchcase. 159,587, Aug. 8.
Boucher, Marcel, Staten Island, N. Y. Combined brooch and watchcase. 159,588, Aug. 8.
Boucher, Marcel, Staten Island, N. Y. Pin or similar article. 159,589, Aug. 8.
Boucher, Marcel, Staten Island, N. Y. Pin or similar article. 159,590, Aug. 8.
Boucher, Marcel, et Cie, assignee: *See*—
Semensohn, Raymonde.
Boucher, Wilbur J., assignor to Fort Howard Paper Company, Green Bay, Wis. Paaper napkin. 160,993, Nov. 28.
Boughey, Jeremiah J., Chicago, assignor of one-third to J. R. Abell, Evanston, and one-third to G. E. Semple, Park Ridge, Ill. Foot shield body. 157,124, Feb. 7.
Bourne, Douglas, Skaneateles, assignor to Onondaga Pottery Company, Syracuse, N. Y. Dinner plate or similar article. 161,242, Dec. 19.
Bourne, Douglas, Skaneateles, assignor to Onondaga Pottery Company, Syracuse, N. Y. Dinner plate or similar article. 161,243, Dec. 19.
Bourne, Douglas, Skaneateles, assignor to Onondaga Pottery Company, Syracuse, N. Y. Dinner plate or similar article. 161,244, Dec. 19.
Bourner, Howard L., Nashville, Tenn. Heater. 157,834, Mar. 28.
Bourner, Howard L., assignor to Temco, Inc., Nashville, Tenn. Heater. 159,888, Aug. 29.
Bourner, Howard L., assignor to Temco, Inc., Nashville, Tenn. Heater. 159,889, Aug. 29.
Bouterious, Arthur H., assignor to Mills Sales, Inc., Oakland, Calif. Electric scorer for shuffleboard games. 160,245, Sept. 26.
Bowers, Ethel: *See*—
Bonner, Eunice, and Bowers.
Bowersox, Marvin W., Arkansas City, Kans. Bottle carrier. 159,595, Aug. 8.
Bowland, Charles R., Spring Valley, Ill. Combined flashlight and mirror. 160,572, Oct. 24.
Bowman, Algot J., Monmouth, Ill. Log and wood cart. 158,044, Apr. 11.
Boyajian, Alfred Z., Farmingdale, N. Y., J. Gitz, North Wales, Pa., and P. H. Spencer, Ft. Lauderdale, Fla., assignors to Republic Aviation Corporation, Farmingdale, N. Y. Amphibian aircraft. 156,694, Jan. 3.
Boyle, Walden J., San Francisco, Calif. Holder for sewing accessories. 158,246, Apr. 25.
Brach, E. J., & Sons, assignee: *See*—
Lapham, Walter A.
Brackin, John H., Columbus, Ohio. Combined boot jack and bottle opener or similar article. 159,714, Aug. 15.
Bradbury, Clarence M., Brooklyn, N. Y. Finger ring. 157,562, Mar. 7.
Brafman, Max E., New York, N. Y. Combination chair and desk, or similar article. 156,695, Jan. 3.
Brainard, Fred M., assignee: *See*—
Engstrom, Ernst F.
Brandano, Guiseppe, Lawrence, assignor of one-half to L. Bell, Boston, Mass. Ear ornament. 160,246, Sept. 26.
Brandvein, Jean H., Waterbury, Conn. Glove. 160,362, Oct. 10.
Branen, Daniel R., assignor to Greatrex Ltd., New York, N. Y. Bottle case. 157,731, Mar. 21.
Brankstone, Robert M., Memphis, Tenn. Bait bucket. 158,045, Apr. 11.
Braun, Walter, Los Angeles, Calif. Shoe or similar article. 160,247, Sept. 26.
Braunberger, Fred, Fargo, N. Dak. Figurine. 158,642, May 23.
Braunberger, Ray A., Chicago, Ill. Fifth wheel base or similar article. 157,335, Feb. 21.
Breen, Frederick M., White Plains, N. Y., assignor to Coty, Inc., Wilmington, Del. Cosmetic container or similar article. 157,125, Feb. 7.
Breen, Frederick M., White Plains, assignor to Coty, Inc., New York, N. Y. Bottle stopper. 157,336, Feb. 21.
Breen, Frederick M., White Plains, assignor to Coty, Inc., New York, N. Y. Combined stand and perfume bottle holder. 158,643, May 23.
Breen, Frederick M., White Plains, assignor to Coty, Inc., New York, N. Y. Combined stand and perfume bottles. 158,644, May 23.
Brehman, Orson D., Torrance, Calif. Measuring device. 160,363, Oct. 10.
Breier, Louis M., assignor to Marcus Dreier Sons, Inc., Amsterdam, N. Y. Display device. 158,247, Apr. 25.
Breier, Marcus, Sons, Inc., assignee: *See*—
Breier, Louis M.
Breier, Norman N., Mount Oliver, Pa. Finger ring. 158,927, June 13.
Breier, Norman N., Mount Oliver, Pa. Finger ring. 158,928, June 13.
Breneman, Joseph C., assignor to The Wooster Rubber Company, Wooster, Ohio. Mat. 158,550, May 16.
Breneman, Joseph C., assignor to The Wooster Rubber Company, Wooster, Ohio. Mat. 158,712, May 30.
Brennan, Raymond F., Attleboro, Mass. Game device. 158,836, June 6.
Brenner, John, Los Angeles, Calif. Portable name imprinter. 160,469, Oct. 17.
Brice, Earline, New York, N. Y., and H. S. Bromley, assignors to North American Lace Co., Inc., Philadelphia, Pa. Table cover or similar article. 159,406, July 25.
Brickson, Thomas B., Los Angeles, Calif., assignor, by mesne assignments, to Doughnut Corporation of America, New York, N. Y. Doughnut transporting tray. 158,436, May 9.

Bridgeport Moulded Products, Inc., assignee: *See*—
Lippincott, Joshua G.
Briefda, Aaron, Los Angeles, Calif. Shoe or similar article. 158,437, May 9.
Briefda, Aaron, Los Angeles, Calif. Shoe or similar article. 158,438, May 9.
Briggs, Merton B., Cincinnati, Ohio, assignor to The Grote Manufacturing Company, Bellevue, Ky. Bracket lighting fixture. 157,234, Feb. 14.
Briskman, Samuel, assignee: *See*—
Christensen, Kaj S.
Bristol, Charles W., North Attleboro, Mass., assignor, by mesne assignments, to Reibling-Lewis, Inc., Providence, R. I. Comb or similar article. 156,696, Jan. 3.
Bristol Steel & Iron Works, Inc., assignee: *See*—
Ferguson, Robert O.
Britt, Vernon E., San Jose, Calif. Medicament receptacle. 157,337, Feb. 21.
Brock, Bertram J., Encino, Calif. Multitray serving receptacle or similar article. 160,688, Oct. 31.
Brodton, Lynn, New York, N. Y. Compact. 157,467, Feb. 28.
Broersma, Jacob A.: *See*—
Lillyblad, Robert H., and Broersma.
Brokate, John, Brooklyn, assignor to National Silver Company, New York, N. Y. Spoon or similar article of flatware. 159,779, Aug. 22.
Bromfield, Arthur W., assignee: *See*—
Byron, Andrea.
Bromley, George E., Fredonia, Pa. Combination electric range and radio. 157,563, Mar. 7.
Bromley, Henry S.: *See*—
Brice, Earline, and Bromley.
Jarvis, Fred, and Bromley.
Moore, James B., Jr., and Bromley.
Bromo-Mint Company, assignee: *See*—
Sivitz, Moss.
Brookey, Andrew C., San Antonio, Tex. Nutcracker. 258,248, Apr. 25.
Brooks, Donald W., Oradell, N. J. Toothbrush. 160,919, Nov. 21.
Brooks, George, Jr., St. Paul, Minn. Condiment shaker. 160,920, Nov. 21.
Broughton, Douglas J., assignor to Buxton, Incorporated, Springfield, Mass. Billfold. 159,470, Aug. 1.
Brounn, Morrison J., Flushing, assignor to Otis Elevator Company, New York, N. Y. Elevator starter's panel. 160,834, Nov. 14.
Brower, Maurice N., Leonia, N. J., assignor to Gustave, Inc., New York, N. Y. Slipper sock or similar article. 160,062, Sept. 12.
Brower, Maurice N., Leonia, N. J., assignor to Gustave, Inc., New York, N. Y. Slipper sock or similar article. 160,063, Sept. 12.
Brower, Maurice N., Leonia, N. J., assignor to Gustave, Inc., New York, N. Y. Slipper sock or similar article. 160,064, Sept. 12.
Brower, Maurice N., Leonia, N. J., assignor to Gustave, Inc., New York, N. Y. Slipper sock or similar article. 160,065, Sept. 12.
Brower, Maurice N., Leonia, N. J., assignor to Gustave, Inc., New York, N. Y. Slipper sock or similar article. 160,066, Sept. 12.
Brower, Maurice N., Leonia, N. J., assignor to Gustave, Inc., New York, N. Y. Slipper. 160,835, Nov. 14.
Brower, Maurice N., Leonia, N. J., assignor to Gustave, Inc., New York, N. Y. Slipper. 160,836, Nov. 14.
Brower, Maurice N., Leonia, N. J., assignor to Gustave, Inc., New York, N. Y. Slipper. 160,837, Nov. 14.
Brower, Maurice N., Leonia, N. J., assignor to Gustave, Inc., New York, N. Y. Slipper. 160,838, Nov. 14.
Brown, Alexander P., Beechhurst, N. Y. Piano or similar article. 160,573, Oct. 24.
Brown, Alexander P., Beechhurst, N. Y. Piano or similar article. 160,839, Nov. 14.
Brown, Bertram M., Providence, R. I. Article holding figurine. 157,235, Feb. 14.
Brown & Bigelow, assignee: *See*—
De Fee, Le Emmette V.
Gordenier, Robert E.
Brown, Charles G.: *See*—
Douglas, Donald W., Brown, and Wood.
Brown, Charles K., Jr., Fairmont, W. Va. Combined faucet and sink. 160,067, Sept. 12.
Brown, Charles K., Jr., Fairmont, W. Va. Combined faucet and sink. 160,767, Nov. 7.
Brown, Herbert C., Oklahoma City, Okla. Wind vane. 160,364, Oct. 10.
Brown, John C., Upper Montclair, N. J. Roast rack. 158,645, May 23.
Brown, John C., Upper Montclair, N. J. Lifter tongs. 158,837, June 6.
Brown, John W., Los Angeles, Calif. Container for tissue. 159,248, July 11.
Brown-Jordan Co., assignee: *See*—
Williams, Caryl F.
Brown, Joseph E., Rockwell, N. C. Wheeled toy. 158,713, May 30.
Brown, Matthew L., Springfield, Ohio, assignor to Grand Aerie Fraternal Order of Eagles, Kansas City, Mo. Fraternal medal or similar article. 160,143, Sept. 19.
Brown, Meyer M., New York, N. Y. Pencil or similar article. 161,310, Dec. 26.
Brown, Nathan J., Barrington, Ill. Display rack. 160,144, Sept. 19.
Brown, Ralph W., Columbus, Ohio. Coin controlled insurance policy vending machine. 160,145, Sept. 19.
Brown, Robert P., White Plains, N. Y. Ski-sled. 159,950, Sept. 5.
Brown, William S., Rye, and W. A. Soverns, Mount Vernon, N. Y., assignors to Thos. Emery's Sons, Incorporated, Cincinnati, Ohio. Washbasin and dressing table unit for bathrooms. 156,864, Jan. 17.
Browneye, Martin, L. and T. R. Helms, assignors to Helms Industrial Development Company, Grand Rapids, Mich. Grille guard. 159,951, Sept. 5.
Browning, George, San Diego, Calif. Rotary card holder. 161,157, Dec. 12.
Brownlee, Robert L., Mokena, Ill. Utility cart. 156,810; Jan. 10.
Brozyna, Anthony, Irvington, N. J. Combined mirror and lamp. 157,236, Feb. 14.
Bruce, Leo I., Framingham, Mass., assignor to General Electric Company. Clock. 158,929, June 13.
Brumbaugh, Isaac V., Clayton, Mo. Control valve for gas burners. 160,365, Oct. 10.
Brummel, Gordon T., Chicago, Ill. Interlocking hook. 160,994, Nov. 28.
Brundage, Alan D., assignor to F. L. Jacobs Co., Detroit, Mich. Sun visor for automobiles. 159,780, Aug. 22.
Bruner, Marvin J., assignee: *See*—
Ritter, Saul.
Brunetti, Joseph, assignor to Columbia Protektosite Company, Inc., Carlstadt, N. J. Knockdown miniature opensided playhouse or the like. 160,146, Sept. 19.
Brunswick-Balke-Collender Company, The, assignee: *See*—
Anderson, Robert I., and Hoeker.
Anderson, Robert I., and Thomson.
Rewalt, Nathan H.
Sundell, Carl A.
Brutsch & Co., assignee: *See*—
Scheiwiller, Karl.
Buchanan, Robert F., Denver, Colo. Splash block. 156,812; Jan. 10.
Buckeye Plastic Corporation, The, assignee: *See*—
Fluke, Rothwell R.
Buckingham, John D., assignor to Lucien Lelong, Inc., Chicago, Ill. Decanter or similar article. 160,298, Oct. 3.
Buckingham, John D., and P. Fink, assignors to Lucien Lelong, Inc., Chicago, Ill. Decanter or similar article. 160,768, Nov. 7.
Buckley, Mary L., Washington, D. C. Toy savings bank. 159,890, Aug. 29.
Buckner, Anthony J., Jackson Heights, assignor to Grosfeld House, Inc., New York, N. Y. Commode. 156,813; Jan.10.
Buckner, James S., assignee: *See*—
Chance, Charles W.
Bucky, Peter A., Flushing, N. Y. Combined casing and reminder pad. 160,366, Oct. 10.
Bucyrus-Erie Company, assignee: *See*—
Mork, George W.
Budlane, Stanley J., and R. Dusek, Chicago, assignors to Dulane, Inc., River Grove, Ill. Electric deep fat fryer. 158,439, May 9.
Budlong, Robert D.: *See*—
Jepson, Ivar, and Budlong.
Budlong, Robert D., Skokie, Ill., assignor to Zenith Radio Corporation. Radio cabinet. 157,338, Feb. 21.
Budlong, Robert D., Skokie, Ill., assignor to Wincharger Corporation. Radio cabinet. 161,311, Dec. 26.
Budlong, Robert D., Skokie, Ill., and J. De Young, Grand Haven, Mich., assignors to Zenith Radio Corporation. Radio television cabinet. 160,068, Sept. 12.
Buechler, Paul W., Detroit, Mich. Salad server. 158,551, May 16.
Buehler, Elmer W.: *See*—
Buehler, Lothar T. and E. W.
Buehler, Emil, North Haledon, N. J., assignor to American Aerovap, Inc. Combined wall bracket and vaporizer casing. 158,552, May 16.
Buehler, Lothar T. and E. W., Milwaukee, Wis. Infant's attachable chair. 156,697, Jan. 3.
Buehner, Frederic, Wilton, Conn., assignor to Buehner & Wanner, New York, N. Y. Handle or the like. 159,321, July 18.
Buehner, Frederic, Wilton, Conn., assignor to Buehner & Wanner, New York, N. Y. Handle or the like. 159,322, July 18.
Buehner & Wanner, assignee: *See*—
Buehner, Frederic.
Buerger, Herbert, Walton, N. Y. Vehicle window ventilator or similar article. 160,470, Oct. 17.
Bu Gay, John A., assignor to Quality Molding Co., Chicago, Ill. Shadow box. 161,158, Dec. 12.
Buhrig, Roland L., Santa Ana, Calif. Vase or similar article. 161,087, Dec. 5.
Bullock, Vernon M.: *See*—
Hirst, Arthur L., and Bullock.
Bulman, E. O., Manufacturing Company, Inc., The, assignee: *See*—
Waltz, Edward W.
Bumber, Walter L., Westmont, Ill. Pouring vessel 157,126, Feb. 7.

Bunin, Ben, River Edge, assignor to Product Design & Mfg. Corp., North Hackensack, N. J. Table top or similar article. 161,312, Dec. 26.
Bunting Glider Company, assignee: *See*— Goldberg, Aaron S.
Burd, Gorman C., Clearwater, Fla. Ladder. 157,835, Mar. 28.
Burd, Samuel I., New York, N. Y., assignor to Reconstruction Finance Corporation, Philadelphia, Pa. Stocking. 160,299, Oct. 3.
Burell, Arnold, assignor to Morris W. Haft & Bros., Inc., New York, N. Y. Coat. 156,865, Jan. 17.
Burger, Charles H., assignor to Dermetics, Inc., New York, N. Y. Assembled display package. 157,468, Feb. 28.
Burgess Battery Company, assignee: *See*— Elsner, Virgil.
Burgess, Edward A., Toronto, Ontario, Canada. Floor rack, display stand, or similar article. 156,934, Jan. 24.
Burgess, Robert W., Hamden, assignor to The Greist Manufacturing Company, New Haven, Conn. Screw driver. 157,732, Mar. 21.
Burgold, Kurt, Asheville, N. C., assignor to Morgan Furniture Company. Utility case piece or similar article. 158,930, June 13.
Burke, Myles J., Jersey City, N. J. Street directional sign. 160,840, Nov. 14.
Burke, Robert J., Bourbon, assignor to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Shoe. 158,440, May 9.
Burkes, Alexander, assignor to Plastic Innovations, Inc., New York, N. Y. Inflatable toy roly-poly or the like. 158,646, May 23.
Burlington Mills Corporation, assignee: *See*— Butler, Vaughn.
Burnelli, Vincent J., Great Neck, N. Y. Airplane. 160,841, Nov. 14.
Burnelli, Vincent J., Great Neck, N. Y. Airplane. 160,842, Nov. 14.
Burnett, Merzellor M., South Pittsburg, Tenn. Automobile emblem plate. 156,866, Jan. 17.
Burnidge, Stanley F., Elgin, Ill. Ketchup rake. 157,657, Mar. 14.
Burns, Gerald G., Rochester, N. Y. Woman's head scarf. 157,836, Mar. 28.
Burros & Burros, Inc., assignee: *See*— Burros, George.
Burros, George, assignor to Burros & Burros, Inc., New York, N. Y. Christmas tree ornament or similar article. 161,159, Dec. 12.
Burros, George, assignor to Burros & Burros, Inc., New York, N. Y. Christmas tree ornament or similar article. 161,160, Dec. 12.
Burros, George, assignor to Burros & Burros, Inc., New York, N. Y. Christmas tree ornament or similar article. 161,161, Dec. 12.
Burros, George, assignor to Burros & Burros, Inc., New York, N. Y. Christmas tree ornament or similar article. 161,162, Dec. 12.
Burros, George, assignor to Burros & Burros, Inc., New York, N. Y. Christmas tree ornament or similar article. 161,163, Dec. 12.
Burroughs Adding Machine Company, assignee: *See*— Butler, Thomas M.
Mondy, Peter.
Burton-Davis Co., assignee: *See*— D'Addario, Thomas.
Burton, Dean, Milwaukee, Wis. Game board. 157,733, Mar. 21.
Burton, Wayne S., Anderson, Ind. Base for roller skates. 157,734, Mar. 21.
Busa, Mary F., Lakewood, Ohio. Combined flexibly connected front and rear view mirrors and mounting support therefor. 160,995, Nov. 28.
Busch, Carl A., Sandusky, Ohio. Combined spice holder and wall shelf. 160,367, Oct. 10.
Buser, Charles, Auburn, assignor to Beh and Company, New York, N. Y. Ironing board. 159,952, Sept. 5.
Bush, Arthur F.: *See*— Victoreen, John A., Bevis, Bush, and Kidney.
Bushman, Edwin F., Aurora, Ill. Dispensing holder for bottles or the like. 159,596, Aug. 8.
Bushnell, Aileen, assignor to Independent Pneumatic Tool Company, Aurora, Ill. Portable power saw. 159,043, June 20.
Bushnell, Aileen, assignor to Independent Pneumatic Tool Company, Aurora, Ill. Impact wrench power unit. 159,044, June 20.
Busiel, Alfred, Glencoe, assignor to Lady Esther, Ltd., Chicago, Ill. Make-up shade selector. 158,174, Apr. 18.
Butcher, Maude L., Seattle, Wash. Combined perforator and trimmer for pie crusts. 159,715, Aug. 15.
Butherus, Richard R., assignor of fifty per cent to Arthur Fazzari, Walla Walla, Wash. Potato slicer. 156,811; Jan. 10.
Butler, Arvilla K., assignee: *See*— Potts, Clifford.
Butler, Louis A., assignee: *See*— Potts, Clifford.
Butler, Thomas M., assignor to Burroughs Adding Machine Company, Detroit, Mich. Accounting machine. 158,647, May 23.
Butler, Vaughn, Harriman, Tenn., assignor to Burlington Mills Corporation, Greensboro, N. C. Lady's stocking. 158,553, May 16.
Butterfield, Vernoid M.: *See*— Polivka, John N., Scharfenberg, and Butterfield.
Butz, Bert B., assignor to Tri-Saw Corporation, St. Louis, Mo. Electric handsaw. 159,323, July 18.
Buxbaum Company, The, assignee: *See*— Westrate, Ada.
Buxton, Incorporated, assignee: *See*— Broughton, Douglas J.
Byerly, Delbert L., Compton, Calif. Buoyant cruise board. 157,564, Mar. 7.
Byron, Andrea, Oakland, assignor to R. R. Lokey, Jr., and A. W. Bromfield, Los Angeles, Calif. Apron or similar article. 159,137, June 27.
C. C. Manufacturing Co., assignee: *See*— Carr, Clyde C.
Cabot, Petra, and L. Vitale, New York, N. Y. Picture frame. 157,127, Feb. 7.
Caccia, Alan, Philadelphia, Pa. Metal strip. 158,648, May 23.
Caccia, Alan, Philadelphia, Pa. Hamper. 158,714, May 30.
Cacciarelli, Joseph D., Nutley, N. J. Canasta scoreboard. 161,088, Dec. 5.
Cadé, Marie J., New York, N. Y. Cosmetic container. 160,069, Sept. 12.
Cadwallader, Robert: *See*— Hammond, Dean B., and Cadwallader.
Cadwallader, Robert, Detroit, assignor to Kaiser-Frazer Corporation, Willow Run, Mich. Automobile hood ornament. 158,649, May 23.
Cady, William P., Glendale, Calif. Perfume dispenser. 158,554, May 16.
Caglagis, Marinos C., Fort Worth, Tex. Condiment dispenser. 159,781, Aug. 22.
Cahn, Bernard, Co. Inc., assignee: *See*— Chase, Herbert.
Caldbick and Evans, assignee: *See*— Pinkerton, Harold R.
Caldwell, Helen L., assignor to Wohl & Company, Inc., New York, N. Y. Dress. 157,837, Mar. 28.
Caldwell, Helen L., assignor to Wohl & Company, Inc., New York, N. Y. Dress. 157,838, Mar. 28.
Caldwell, Helen L., assignor to Wohl & Company, Inc., New York, N. Y. Dress. 157,839, Mar. 28.
Caldwell, James R., assignor to The Wooster Rubber Company, Wooster, Ohio. Mat. 158,838, June 6.
Caldwell, James R., assignor to The Wooster Rubber Company, Wooster, Ohio. Floor mat. 159,045, June 20.
California Growers Wineries, assignee: *See*— Cobb, Earle M.
Calissi, Paul C., Darby, Pa. Portable electric lamp. 157,469, Feb. 28.
Calissi, Paul C., Darby, Pa. Portable electric lamp. 157,735, Mar. 21.
Calvin Corporation, assignee: *See*— Risom, Jens.
Cameron, Warren B. S., Hillsgrove, R. I. Festoon ring. 159,249, July 11.
Campbell, Donald A., Cleveland, Ohio. Bird house. 158,650, May 23.
Campbell, Glynn, and C. B. Smith, Muskogee, Okla. Pig bank. 158,931, June 13.
Campbell, Laurie J., Erie, Pa., assignor to Louis Marx & Company, Inc., New York, N. Y. Toy animal figure. 160,471, Oct. 17.
Canal National Bank of Portland, The, assignee: *See*— Randall, Walter H.
Canal National Bank of Portland, The, trustee, assignee. *See*— Shepard, Ernest L.
Williams, Philip M.
Car-Ree-All Products, Inc., assignee: *See*— Reece, Clarence D.
Carl-Art, Inc., assignee: *See*— Schraysshuen, Carl.
Carleton, George, New York, N. Y. Atomizer. 160,996, Nov. 28.
Carlson, Carl T., Iron Mountain, Mich. Folding chair. 156,935, Jan. 24.
Carlson, Charles W., Tiffin, Ohio. Goblet. 159,046, June 20.
Carlson, David N., Burbank, Calif. Culinary pallet fork. 160,689, Oct. 31.
Carlson, Ernest J., Reading, Pa. Combined bowl and nutcracker. 158,932, June 13.
Carlson, Henry E., New Britain, Conn. Tray. 160,690, Oct. 31.
Carlson, Joel H., Chicago, Ill. Hack saw. 160,574, Oct. 24.
Carlson, Louis W., Port Orchard, Wash., assignor to Vac-O-Lite Signal Co., Inc. Illuminable semaphore signal arm for automotive vehicles. 157,028, Jan. 31.
Carmel, Mimi: *See*— Flatter, Isadore, and Carmel.
Carmell, Luke H., assignor to The Vani-Lite Corporation, Bay City, Mich. Illuminable pocket mirror. 157,565, Mar. 7.
Carnevale, Donald V., New York, N. Y. Collar clip or similar article. 159,597, Aug. 8.
Carr, Clyde C., assignor to C. C. Manufacturing Co., Chicago, Ill. Cooking utensil. 160,070, Sept. 12.
Carr, Hartman, and J. B. Fornberg, Minneapolis, Minn. Game board. 160,691, Oct. 31.

Carr, William J., assignor to Heywood-Wakefield Company, Gardner, Mass. End table. 157,937, Apr. 4.
Carr, William J., assignor to Heywood-Wakefield Company, Gardner, Mass. Armchair. 158,046, Apr. 11.
Carraway, Thomas W., assignor to Ideal-Aire, Inc., Dallas, Tex. Room cooling unit. 157,840, Mar. 28.
Carrier Corporation, assignee: *See*— Sundberg, Carl W.
Carrier, Robert A., Detroit, Mich. Television cabinet. 161,245, Dec. 19.
Carroll, Anna L. S., North Tarrytown, N. Y. Apron or similar article. 158,047, Apr. 11.
Carroll, Emmett J., assignee: *See*— McVicker, Paul R.
Caruso, Domenick A., Atlantic Highlands, N. J. Child's wardrobe. 159,953, Sept. 5.
Carver, James L., Birmingham, Ala. Roll paper printer. 159,782, Aug. 22.
Carver, Lee, Birmingham, Ala. Printing attachment for roll of paper. 159,783, Aug. 22.
Casanov, Raymond C., Chicago, Ill. Corn popper. 159,138, June 27.
Casas Robert, Ramon, Geneva, assignor to Mefina S. A. Binningen, Switzerland. Sewing machine. 161,246, Dec. 19.
Casco Products Corporation, assignee: *See*— Thomson, Ernest F. Tremarco, Emelio E.
Case, Dean J., assignor to Kinfolks Incorporated, Little Valley, N. Y. Cutlery rack or similar article. 159,184, July 4.
Case, Dean J., assignor to Kinfolks Incorporated, Little Valley, N. Y. Cutlery rack or similar article. 159,185, July 4.
Cashin, Bonnie, New York, N. Y. Jacket. 157,566, Mar. 7.
Cashin, Bonnie, New York, N. Y. Coat. 157,567, Mar. 7.
Cassidy, Fred, Des Moines, Iowa. Carving fork. 158,933, June 13.
Castelli, Charles, Union City, assignor to Columbia Protektosite Co. Inc., Carlstadt, N. J. Goggle frame. 157,938, Apr. 4.
Castelli, Charles, Union City, assignor to Columbia Protektosite Co. Inc., Carlstadt, N. J. Covered receptacle tray for comb and brush sets or similar articles. 158,175, Apr. 18.
Castelli, Charles, Union City, N. J. Combination comb and container. 159,716, Aug. 15.
Castelli, F. C., Company, assignee: *See*— Castelli, Frank C.
Castelli, Frank C., Carrol Park, assignor to F. C. Castelli Company, Philadelphia, Pa. Seesaw. 157,939, Apr. 4.
Castiglioni, Attilio, Philadelphia, Pa., assignor to French Jewelry Co. Expansible bracelet. 157,029, Jan. 31.
Castillo, Ferdinand J., San Francisco, Calif. Bank. 157,339, Feb. 21.
Castleton China, Incorporated, assignee: *See*— Blanch, Arnold A. Cotigan, Philip R. Yee, Ching-Chih.
Castorani, Francesco P., West Whiteland, assignor to Quaker Lace Company, Philadelphia, Pa. Lace tablecloth. 159,186, July 4.
Catanese, Casper, Cleveland, Ohio. Receptacle attachment for automobile visors. 159,954, Sept. 5.
Caterpillar Tractor Co., assignee: *See*— Risk, Norman E.
Cat's Paw Rubber Company, Inc., assignee: *See*— Esterson, Albert A.
Cavalluzzo, Michael A., Northport, N. Y. Ash tray. 158,715, May 30.
Cayer, Theodore E., assignor to Reed and Barton, Taunton, Mass. Spoon or similar article. 157,658, Mar. 14.
Centerbar, Lorenzo R., Natick, Mass. Reclining chair or similar article. 160,368, Oct. 10.
Central Hood and Container Corporation, assignee: *See*— Wentz, Harry C., Jr.
Century Brass Works, Inc., assignee: *See*— Wangelin, Richard S.
Century Display Mfg. Co. Inc., assignee: *See*— Evans, Jack. Platt, Robert G.
Century Lighting, Inc., assignee: *See*— Lundquist, Oliver.
Cepl, Frank H., and E. M. Cullen, Los Angeles, Calif. Sandwich. 158,048, Apr. 11.
Cerf, Robert C., Jr., assignor to Hollymade Hardware Manufacturing Company, Los Angeles, Calif. Key blank. 157,736, Mar. 21.
Certain-Teed Products Corporation, assignee: *See*— Romanelli, Louis.
Chadwick, Catherine, Chicago, Ill. Composite cabinet. 158,598, Aug. 8.
Chaffin, John C., Selma, Calif. Bath tub. 160,472, Oct. 17.
Chain Craft Co., assignee: *See*— Deines, Erwin W.
Challoner-Dukes and Allison Limited, assignee: *See*— Hollick-Smith, Roy E.
Chamberlain, Chester A., Flushing, N. Y. Earring tree. 160,369, Oct. 10.
Chamberlain, Inc., assignee: *See*— Lilja, Ernest L.
Chamberlin, Helena Z., San Diego, Calif. Hat or the like. 157,340, Feb. 21.
Chambers Corporation, assignee: *See*— Williams, Willis E., and Harrison.
Champayne, Roy J., Rockford, Ill. Motor casing for a portable rubbing machine. 160,997, Nov. 28.
Champion Plastics Corporation, assignee: *See*— Derham, Philip A.
Champion Products Company, assignee: *See*— McMillan, John D.
Chance, A. B., Company, assignee: *See*— Hollander, William L.
Chance, Charles W., assignor of sixteen and two-thirds percent to J. S. Buckner, sixteen and two-thirds percent to J. J. Smith, sixteen and two-thirds percent to G. R. Chance, sixteen and two-thirds percent to A. R. Gibson, and sixteen and two-thirds percent to G. M. Williamson, Toronto, Ontario, Canada. Child's stroller. 157,737, Mar. 21.
Chance George R., assignee: *See*— Chance, Charles W.
Chandler, Bruce: *See*— Parks, Arthur S., and Chandler.
Channel Master Corporation, assignee: *See*— Resnick, Joseph Y.
Chaplin, Charles J., assignor to Chaplin Corporation, South Portland, Maine. Molded cup. 158,599, Aug. 8.
Chaplin Corporation, assignee: *See*— Chaplin, Charles J.
Chapman, Dave, assignor to National Die Casting Company, Chicago, Ill. Portable space heater. 157,659, Mar. 14.
Chapman, David, Chicago, Ill., assignor to The Parker Pen Company, Janesville, Wis. Miniature camera. 160,300, Oct. 3.
Charette, Odilon, Fitchburg, Mass. Combined plant holder and bracket therefor. 160,998, Nov. 28.
Chase, Daryl, Logan, Utah. Novelty covered box. 160,999, Nov. 28.
Chase, Herbert, assignor to Bernard Cahn Co. Inc., New York, N. Y. Wallet or similar article. 157,341, Feb. 21.
Chase, Herbert, assignor to Bernard Cahn Co. Inc., New York, N. Y. Jewelry case. 158,651, May 23.
Chase, Herbert S., New York, N. Y. Combined wallet, purse, and facial tissue holder. 157,738, Mar. 21.
Chase, Herbert S., New York, N. Y. Combined purse, key holder, and container for photographs or the like. 160,147, Sept. 19.
Chase, Herbert S., and G. C. Mathes, New York, N. Y. Holder for tissues or the like. 160,921, Nov. 21.
Chaskin, Herbert: *See*— Witz, Bernard G., and Chaskin.
Chatfield, Earl C., Oak Park, Ill. Support rack. 157,030, Jan. 31.
Chatillon, John, & Sons, assignee: *See*— Concklin, George W.
Chavalas, William, assignor to Fox West Coast Theatres Corporation, Los Angeles, Calif. Interior wall panel. 156,698, Jan. 3.
Chavalas, William, assignor to Fox West Coast Theatres Corporation, Los Angeles, Calif. Interior wall panel. 156,936, Jan. 24.
Chavalas, William, assignor to Fox West Coast Theatres Corporation, Los Angeles, Calif. Interior ceiling panel. 158,716, May 30.
Chavalas, William, assignor to Fox West Coast Theatres Corporation, Los Angeles, Calif. Interior ceiling panel. 158,717, May 30.
Chavalas, William, assignor to Fox West Coast Theatres Corporation, Los Angeles, Calif. Interior ceiling panel. 158,718, May 30.
Chavalas, William, assignor to Fox West Coast Theatres Corporation, Los Angeles, Calif. Interior ceiling panel. 158,719, May 30.
Chavalas, William, assignor to Fox West Coast Theatres Corporation, Los Angeles, Calif. Interior ceiling panel. 158,720, May 30.
Chavalas, William, assignor to Fox West Coast Theatres Corporation, Los Angeles, Calif. Interior ceiling panel. 158,721, May 30.
Chavalas, William, assignor to Fox West Coast Theatres Corporation, Los Angeles, Calif. Interior ceiling panel. 158,722, May 30.
Chavalas, William, assignor to Fox West Coast Theatres Corporation, Los Angeles, Calif. Interior ceiling panel. 158,723, May 30.
Chavalas, William, assignor to Fox West Coast Theatres Corporation, Los Angeles, Calif. Interior ceiling panel. 158,724, May 30.
Chavalas, William, assignor to Fox West Coast Theatres Corporation, Los Angeles, Calif. Interior ceiling panel. 158,725, May 30.
Chavalas, William, assignor to Fox West Coast Theatres Corporation, Los Angeles, Calif. Interior ceiling panel. 158,726, May 30.
Chavalas, William, assignor to Fox West Coast Theatres Corporation, Los Angeles, Calif. Interior ceiling panel. 158,727, May 30.
Chavalas, William, assignor to Fox West Coast Theatres Corporation, Los Angeles, Calif. Interior ceiling panel. 159,324, July 18.
Chereton, Avery B., Detroit, Mich., assignor to Portal Products Corporation, Chicago, Ill. Clock. 161,313, Dec. 26.
Chernow, Michael, New York, N. Y. Link chain for a bracelet or similar article. 157,237, Feb. 14.

Chernow, Michael, New York, N. Y. Link chain for a bracelet or similar article. 157,342, Feb. 21.
Chernow, Michael, New York, N. Y. Link chain for a necklace or similar article. 157,568, Mar. 7.
Chernow, Michael, New York, N. Y. Link chain for a bracelet or similar article. 157,841, Mar. 28.
Chernow, Michael, New York, N. Y. Bracelet or similar article. 158,355, May 2.
Chernow, Michael, New York, N. Y. Necklace or similar article. 158,555, May 16.
Chernow, Michael, New York, N. Y. Link chain for a bracelet or similar article. 158,839, June 6.
Chernow, Michael, New York, N. Y. Link chain for a bracelet or similar article. 158,934, June 13.
Chernow, Michael, New York, N. Y. Pendant or similar article. 159,955, Sept. 5.
Chernow, Michael, New York, N. Y. Pendant or similar article. 159,956, Sept. 5.
Chernow, Michael, New York, N. Y. Jewelry pendant or similar article. 160,301, Oct. 3.
Chernow, Michael, New York, N. Y. Bracelet or similar article. 160,473, Oct. 17.
Chernow, Michael, New York, N. Y. Link chain for a bracelet or similar article. 160,575, Oct. 24.
Chernow, Michael, New York, N. Y. Link chain for a bracelet or similar article. 161,314, Dec. 26.
Chernow, Michael, New York, N. Y. Jewelry link. 161,315, Dec. 26.
Cherry, Peter W., Milford, Conn., assignor to General Electric Company. Vacuum cleaner. 158,441, May 9.
Cheslan Brush Company, Inc., assignee: *See*— Chesney, Murphy A.
Chesney, Murphy A., assignor to Cheslan Brush Company, Inc., Knoxville, Tenn. Hand brush or the like. 158,176, Apr. 18.
Chester, Frank R., Santa Monica, Calif. Adjustable measuring spoon. 156,814; Jan. 10.
Chester, Frank R., Santa Monica, Calif. Fastening clip. 160,692, Oct. 31.
Chevalier, Joseph A., Aldenville, Chicopee, Mass. Crucifix. 159,891, Aug. 29.
Chew, Charles L.: *See*— Smith, James J., and Chew.
Chicago Electric Manufacturing Company, assignee: *See*— Se Bastian, Ford.
Chicopee Manufacturing Corporation of Georgia, assignee: *See*— Gregg, Julian B.
Chika, John J., Bloomfield Hills, Mich. Automobile body. 161,000, Nov. 28.
Chika, John J., Bloomfield Hills, Mich. Automobile body. 161,001, Nov. 28.
Chiksan Company, assignee: *See*— Warren, Doyle C.
Chilson, George H., Hollydale, Calif. Combined infant's crib and storage chest. 159,600, Aug. 8.
Chiniquy, Germain A., assignor to Lorine V. Gleason, doing business as John P. Gleason Mfg. Company, Los Angeles, Calif. Table mat or similar article. 161,247, Dec. 19.
Chinnock, Helen R., New York, N. Y. Child's spoon or similar article. 157,842, Mar. 28.
Chipman, Richmond L., Jr., Montclair, N. J. Ring box or similar article. 161,316, Dec. 26.
Choffin, John J., and A. J. Augustine, Geneva, N. Y. Delivery indicator. 158,840, June 6.
Chour, Barbara N., Milwaukee, Wis. Skate carrying bag. 159,471, Aug. 1.
Christensen, Clarence C., Muskegon, Mich., assignor, by mesne assignments, to J. J. Hamm. Croquet wicket. 160,576, Oct. 24.
Christensen, Kaj S., Norwalk, Conn., assignor, by mesne assignments, to S. Briskman, New York, N. Y. Pinking machine. 159,892, Aug. 29.
Christianson, Howard J., Elmwood Park, Ill., assignor to Radio Craftsmen, Inc. Indoor antenna for television. 158,177, Apr. 18.
Christie, Frederik, Bronx, assignor, by mesne assignments, to I. Levine, New York, N. Y. Baking unit for frankfurter sandwiches. 158,178, Apr. 18.
Christie, Frederik, Bronx, assignor, by mesne assignments, to I. Levine, New York, N. Y. Baking unit for frankfurter sandwiches. 158,179, Apr. 18.
Christopher, Diane E. and J. H., Wakefield, Mass. Bag for clothespins or other articles. 158,442, May 9.
Christopher, John H.: *See*— Christopher, Diane E. and J. E.
Chrysler Corporation, assignee: *See*— Bannister, Harry T. Dunning, Everett A. Halbeisen, John F. Hood, Carl W. Kaminski, Aloysius J. O'Leary, Milo J. Pilkey, Harold W. Pilkey, Harold W., and Keane. Scott, David E. Sheard, Edward O.
Cicero, Frank, Kingston, Pa. Bottle seal cutter. 159,139, June 27.
Cicio, Joseph, Sr., Rockford, Ill. Pouring spout for cardboard milk containers. 160,071, Sept. 12.
Cierva Autogiro Company Limited, The, assignee: *See*— Pullin, Raymond A., and Bolas.
Cinami, Armando R., East Providence, R. I., assignor to The Mason Box Company, Attleboro Falls, Mass. Jewelry box. 158,049, Apr. 11.
Ciulla, Salvatore L., Port Richmond, N. Y. Cut hair blower or similar article. 160,922, Nov. 21.
Civelli, Cesare, Rome, Italy. Rosary. 160,693, Oct. 31.
Claflin, Roland S., Park Ridge, Ill. Child's spoon. 157,343, Feb. 21.
Claflin, Roland S., Park Ridge, Ill. Bobby pin opener. 158,249, Apr. 25.
Clark, Fred S., New York, N. Y. Garter grip. 161,002, Nov. 28.
Clark, Willis E., and J. E. Beall, Los Angeles, Calif. Popcorn dispenser. 160,072, Sept. 12.
Clarke, Houghton W., Bronxville, N. Y. Insulated container for food. 158,050, Apr. 11.
Clarke, James E., Long Beach, Calif. Set of playing cards. 160,148, Sept. 19.
Clarke Sanding Machine Company, assignee: *See*— Atkin, Kenneth C.
Classic Weaving Corporation, assignee: *See*— Mitschke, Walter.
Clauss, Guido, Elizabethtown, Pa. Stocking. 156,937, Jan. 24.
Clauss, Guido, Elizabethtown, Pa. Stocking. 156,938, Jan. 24.
Clauss, Guido, Elizabethtown, Pa. Stocking. 156,939, Jan. 24.
Clauss, Robert W., Riverdale, N. Y. Toy disk gun. 160,370, Oct. 10.
Clearfield Furs, Inc., assignee: *See*— Williams, Sylvan K.
Cleiff, Fred, Palisades Park, N. J. Holder for loose-leaf sheets. 159,472, Aug. 1.
Clemens, George S., Evanston, and J. Teague, Chicago, Ill. Electric hand and hair drier. 157,739, Mar. 21.
Clements, Henry, assignor to Franklin Simon & Co., New York, N. Y. Dress. 157,940, Apr. 4.
Clements Mfg. Co., assignee: *See*— Sherrer, John M.
Clemson, Richard D., Middletown, N. Y. Hack saw. 159,957, Sept. 5.
Cleveland, Howard L., Hollywood, and C. A. Jackson, Los Angeles, Calif. Necktie. 160,302, Oct. 3.
Cleveland Welding Company, The, assignee: *See*— Kranz, Harry W.
Clime, Robert B., assignor to J. M. Aiken, Seattle, Wash. Rotatable article display device or the like. 160,248, Sept. 26.
Clingman, William H., Grand Rapids, Mich., assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Television receiver cabinet. 159,140, June 27.
Clingman, William H., Grand Rapids, Mich., assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Television receiver cabinet. 160,474, Oct. 17.
Clingman, William H., Grand Rapids, Mich., assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Television receiver cabinet. 161,317, Dec. 26.
Coates, Albert O., assignee: *See*— Dickenson, Donald M., Jr.
Cobb, Earle M., Fresno, assignor to California Growers Wineries, Cutler, Calif. Bottle. 159,601, Aug. 8.
Cochrane, Philip H.: *See*— Cochrane, William J. and P. H.
Cochrane, William J., Wyndmoor, and P. H. Cochrane, Philadelphia, Pa. Child's wardrobe. 156,699, Jan. 3.
Coe, Albert A.: *See*— Pavey, Larry E., and Coe.
Cogswell, Walter F., Colorado Springs, Colo. Bobby pin opener. 156,867, Jan. 17.
Cohan, Alvin M., North Bergen, assignor to The Eagle Manufacturing Company, Union City, N. J. Reclining garden chair. 158,443, May 9.
Cohan, Leo M., Highland Park, Ill. Lady's handbag. 160,475, Oct. 17.
Cohen, David R., Los Angeles, Calif. Finger ring or similar article. 160,577, Oct. 24.
Cohen, Edwin I., New York, N. Y. Pillowcase or similar article. 156,815; Jan. 10.
Cohen, Edwin I., New York, N. Y. Pillowcase or similar article. 157,843. Mar. 28.
Cohen, George S., Houston, Tex. Bracket for motor vehicle license plates. 157,569, Mar. 7.
Cohen, Leon R., Springfield, and D. J. Beck, East Longmeadow, assignors to Van-Guard Corporation, Springfield, Mass. Doll. 159,250, July 11.
Cohen, Morton R., Chicago, Ill. Table. 156,816; Jan. 10.
Cohn, Gustave, New York, N. Y. Elastic lace slipper. 159,049, June 20.
Colasuono, Vincent F., Brooklyn, N. Y. Finger ring. 157,941, Apr. 4.
Cole, Jeanette S., North Kansas City, and D. E. Golden, Kansas City, Mo. Toy figure container for games. 156,868, Jan. 17.
Cole Valve Company, assignee: *See*— Darr, Harold W.
Coleman Company, Inc., The, assignee: *See*— Ten Eyck, Richard.
Coleman, Joseph A., assignor to Maiden Form Brassiere Company, Inc., New York, N. Y. Brassière. 156,700, Jan. 3.

Coliz, Waldemar J., and E. E. Eutsler, Jr., assignors to F. H. Maloney, doing business as F. H. Maloney Company, Houston, Tex. Cream separator for milk bottles. 159,958, Sept. 5.
Collin, Ernst L., Rockford, Ill., assignor to Harnischfeger Corporation, Milwaukee, Wis. Operator's cab for cranes. 157,942, Apr. 4.
Colinet, Clarence W., Chicago, Ill. Milk carton holder. 157,128, Feb. 7.
Collins, Edward J., Los Angeles, assignor to United States Woodcraft Corporation, Redondo Beach, Calif. Bowling game table. 160,923, Nov. 21.
Collins, Frederick J., Toronto, Ontario, Canada. Shaving brush. 158,728, May 30.
Collins, George H., Lynbrook, N. Y. Runout bit. 160,249, Sept. 26.
Collura, Francesco, New York, N. Y. Canasta card tray. 161,089, Dec. 5.
Collura, Francesco, New York, N. Y., assignor to American Optical Company, Southbridge, Mass. Adjustable chair. 161,164, Dec. 12.
Collyer, Joseph M.: *See*—
Rauch, Alfons M., and Collyer.
Colman, Myron H., Chicago, Ill. Combination cigarette dispenser and ash tray. 161,003, Nov. 28.
Coloman, Louise D. L., Los Angeles, Calif. Plate. 160,073, Sept. 12.
Coloman, Louise D. L., Los Angeles, Calif. Covered container. 160,149, Sept. 19.
Colson, U. O., Company, assignee: *See*—
Hagen, Kenneth R.
Colton, Harry, New York, N. Y. Combined camisole and slip. 157,031, Jan. 31.
Columbia Protektosite Co., Inc., assignee: *See*—
Baldanza, Nicholas T.
Brunetti, Joseph.
Castelli, Charles.
Tietje, Helmut G.
Utley, Lewis S.
Columbus Molded Plastics Corporation, assignee: *See*—
Price, Rolland A.
Columbus Plastic Products Inc., assignee: *See*—
Roop, Nathan W.
Combs, Dudley P., assignor to The Maytag Company, Newton, Iowa. Name plate. 160,476, Oct. 17.
Commonwealth Plastics, Inc., assignee: *See*—
Jones, Charles E.
Compas, James W., South Gate, Calif. Liquid dispenser. 158,051, Apr. 11.
Compco Corporation, assignee: *See*—
Hammer, Hy C.
Conant, Arthur P., Fort Thomas, assignor to The Wadsworth Watch Case Company, Dayton, Ky. Vanity case. 160,924, Nov. 21.
Concklin, George W., Suffern, assignor to John Chatillon & Sons, New York, N. Y. Shopping cart or similar article. 156,701, Jan. 3.
Concklin, George W., Suffern, assignor to John Chatillon & Sons, New York, N. Y. Shopping cart or similar article. 156,702, Jan. 3.
Condon, William J., Chicago, Ill., assignor to Zenith Radio Corporation. Radio cabinet. 159,050, June 20.
Condon, William J., assignor to Video Lighter Corporation, Chicago, Ill. Combined stand and cover for a cigarette lighter or the like. 159,187, July 4.
Cone, William L., Dallas, Tex., assignor to Plastics Manufacturing Company. Tumbler. 160,843, Nov. 14.
Conley, George W.: *See*—
Smith, Wendell H., and Conley.
Connecticut Tool & Engineering Company, assignee: *See*—
Williams, Daniel J.
Conner, Arthur C., Salt Lake City, Utah. Combined signal light and ash receiver. 157,344, Feb. 21.
Conrad, Samuel L., Hollywood, Calif. Package grip. 159,141, June 27.
Conroy, Edward J., assignor to The International Silver Company, Meriden, Conn. Spoon or other article of flatware. 156,940, Jan. 24.
Conroy, Edward J., assignor to International Silver Company, Meriden, Conn. Spoon or other article of flatware. 159,251, July 11.
Consolidated Lithographing Corporation, assignee: *See*—
Madden, James C., 3rd.
Consolidated Molded Products Corporation, assignee: *See*—
Jones, William T.
Consolidated Sequins Corp., assignee: *See*—
Schlossberg, Irving.
Consumer-Pak Machine Co., assignee: *See*—
Miller, Cecil.
Conterman, Fred A., deceased, Jamestown, N. Y.; by J. L. Conterman, administratrix, assignor to Blackstone Corporation, Jamestown, N. Y. Wringer. 159,959, Sept. 5.
Conterman, Janet L., administratrix: *See*—
Conterman, Fred A.
Conti Products Corporation, assignee: *See*—
Singer, Lawrence H., and Corper.
Continental Radiant Glass Heating Corporation, assignee: *See*—
Walker, George W.
Continental Silver Co., assignee: *See*—
Smith, Winfield D.
Converse, Donald R., Snyder, N. Y. Letter tray. 158,444, May 9.
Converse Rubber Corporation, assignee: *See*—
Eldon, James F.
Cook, Arthur K., Los Angeles, Calif. Progressive rocking horse. 160,074, Sept. 12.
Cook Chocolate Company, assignee: *See*—
Opler, Edmond.
Cook, Earl F., Marblehead, Mass. Table lobster tool. 161,004, Nov. 28.
Cook, Harold F., Rahway, assignor to Tung-Sol Lamp Works, Inc., Newark, N. J. Dispenser. 157,345, Feb. 21.
Cook, L. D., Kirkwood, N. Y. Trouser supporter. 159,252, July 11.
Cooke, Lawrence E., New York, N. Y. Toy bank. 161,090, Dec. 5.
Cookman, Helen C., New York, N. Y. Dress. 156,817; Jan. 10.
Cookman, Helen C., New York, N. Y. Coverall or the like. 157,346, Feb. 21.
Cookman, Helen C., New York, N. Y. Smock. 158,052, Apr. 11.
Cooney, Mary E., Melbourne, Fla. Soapbox holder. 158,356, May 2.
Cooper Bros. & Sons Limited, assignee: *See*—
Creke, John W. W.
Cooper, Harold G., assignor to Union Oil Company of California, Los Angeles, Calif. Tire gauge tester or similar article. 157,943, Apr. 4.
Cooper, Harry L., St. Louis, Mo. Coin savings bank. 161,318, Dec. 26.
Cooper, Stephen K., Detroit, Mich. Boat. 160,477, Oct. 17.
Cooper, Stephen K., Detroit, Mich. Boat. 160,478, Oct. 17.
Cope, Paul N. and T. L., Santa Ana, Calif. Figurine. 161,319, Dec. 26.
Cope, Theodosia L.: *See*—
Cope, Paul N. and T. L.
Copeland, William E., Kansas City, Kans. Combined tray, log, and salt and pepper shaker. 160,844, Nov. 14.
Coraccio, William, and J. C. Vitullo, Youngstown, Ohio. Baby carriage. 160,075, Sept. 12.
Corbett, Joseph R., assignor to NuTone, Inc., Cincinnati, Ohio. Grill for ventilating fans. 160,371, Oct. 10.
Corbett, Thomas H., Chicago, Ill. Glass washer. 159,047, June 20.
Corbett, Thomas H., Chicago, Ill. Glass washer. 159,048, June 20.
Corbin, Anna L., Melbourne, Fla. Wrist mounted pincushion. 158,180, Apr. 18.
Cormier, Philip J., Leominster, assignor to Robert Y. Grant, Inc., Fitchburg, Mass. Whistle. 160,372, Oct. 10.
Cornelius, Helen A., New York, N. Y. Container for cosmetics or the like. 159,602, Aug. 8.
Cornelius, Richard T., Minneapolis, Minn. Combination ash tray and signal. 156,818; Jan. 10.
Corning Glass Works, assignee: *See*—
Ward, John B.
Coro, Inc., assignee: *See*—
Di Mezza, Victor.
Katz, Adolph.
Corper, Evelyn M.: *See*—
Singer, Lawrence H., and Corper.
Corpora, Alexander, Los Angeles, Calif. Tie slide. 161,005, Nov. 28.
Corrao, John, New York, N. Y. Sleeping bag. 158,556, May 16.
Correale, Ernest, Jersey City, N. J. Set of game weights. 158,935, June 13.
Cory Corporation, assignee: *See*—
Frankel, Samuel H.
Jones, Charles E., and Crowle.
Palma, Joseph, Jr.
Richards, Harper.
Seil, Lewis W., and Jones.
Cosby, Eric L. H., Jr., London, England. Bath brush. 158,250, Apr. 25.
Cosgrove, Anne E.: *See*—
McGraw, Max, and Cosgrove.
Cosin, Joseph J., Brooklyn, N. Y. Package. 160,250, Sept. 26.
Costa, Louise A., Baltimore, Md. Pair of eyeglasses. 160,479, Oct. 17.
Costa, William, San Diego, Calif. Ship. 159,784, Aug. 22.
Costello, Harold F., assignor to Costello-Mausure, Inc., Detroit, Mich. Vaporizer for deodorant and similar tablets. 159,407, July 25.
Costello-Mausure, Inc., assignee: *See*—
Costello, Harold F.
Costigan, Philip R., Port Washington, assignor to Castleton, China, Incorporated, New York, N. Y. Plate or the like. 160,303, Oct. 3.
Cotter Manufacturing Co., Inc., assignee: *See*—
Cotter, William A.
Cotter Products Inc., assignee: *See*—
Irwin, Paul E.
Cotter, William A., assignor to Cotter Manufacturing Co., Inc., New York, N. Y. Perfume atomizer or similar article. 157,238, Feb. 14.
Cotter, William A., New York, N. Y. Perfume container or similar article. 158,445, May 9.
Cottier, Roy J., Glendale, Calif. Writing board or similar article. 159,473, Aug. 1.

Cottrell, Robert B., assignor to American Steel Foundries, Chicago, Ill. Railway brake beam. 157,570, Mar. 7.
Coty, Inc., assignee: *See*—
Breen, Frederick M.
Coupland, George E., Ardmore, Okla. Book and magazine cabinet or similar article. 160,578, Oct. 24.
Couzens, Joseph J., Oak Park, assignor to Sears, Roebuck and Co., Chicago, Ill. Hobbyhorse. 158,251, Apr. 25.
Covey, Harry A., Colmar Manor, assignor of twenty-five per cent to B. Minovitz, Hyattsville, Md. Game board. 158,053, Apr. 11.
Cowan, R. Guy, Fayetteville, assignor to Onondaga Pottery Company, Syracuse, N. Y. Cup. 160,769, Nov. 7.
Cowan, R. Guy, Fayetteville, assignor to Onondaga Pottery Company, Syracuse, N. Y. Sugar bowl. 160,770, Nov. 7.
Cowan, R. Guy, Fayetteville, assignor to Onondaga Pottery Company, Syracuse, N. Y. Cover for sugar bowl. 160,771, Nov. 7.
Cowan, R. Guy, Fayetteville, assignor to Onondaga Pottery Company, Syracuse, N. Y. Cream pitcher. 160,772, Nov. 7.
Cox, George S., St. Louis, Mo. Game board. 159,408, July 25.
Cox, James L., Ramsey, assignor to Duro-Test Corporation, North Bergen, N. J. Shadow scope. 159,474, Aug. 1.
Cozzoli, Frank J., Plainfield, N. J. Liquid medicinal dispensing machine. 157,660, Mar. 14.
Cozzoli, Frank J., Plainfield, N. J. Liquid medicinal dispensing machine. 157,661, Mar. 14.
Craig, Burnie M., Pasadena, assignor to Walter L. Schott Co., Beverly Hills, Calif. Antenna insulator. 160,076, Sept. 12.
Cramer, Roy A., Kansas City, Mo. Stepladder or the like. 161,091, Dec. 5.
Crandall, Julian T., Ashaway, R. I., assignor to Ashaway Line & Twine Mfg. Co. Combination fishline and hook kit. 159,142, June 27.
Crandell, Frank F., Pasadena, assignor to Photo Research Corporation, San Fernando, Calif. Color temperature meter. 161,320, Dec. 26.
Crane Co., assignee: *See*—
McRae, Malcolm W., and Pierce.
Crapsey, Arthur H., Jr., assignor to Eastman Kodak Company, Rochester, N. Y. Camera. 160,925, Nov. 21.
Crapsey, Arthur H., Jr., assignor to Eastman Kodak Company, Rochester, N. Y. Camera. 160,926, Nov. 21.
Craven, Le Roy, assignor of one-half to H. J. Neuman, Chicago, Ill. Combination cigarette box and ash tray. 157,129, Feb. 7.
Crawford, Clarence E., Flint, assignor to Living Designs, Grand Blanc, Mich. Pencil rack. 157,239, Feb. 14.
Crawford, William J., Kansas City, Mo. Cooking block. 159,717, Aug. 15.
Cray, John, Toronto, Ontario, Canada. Protective display package for brushes. 157,347, Feb. 21.
Creke, John W. W., assignor to Cooper Bros. & Sons Limited, Sheffield, England. Spoon or similar article. 159,253, July 11.
Crest Lock Co., Inc., assignee: *See*—
Levine, David.
Crestwood Products Co. Inc., assignee: *See*—
Fisher, Frederic H.
Crichton, Delma, New York, N. Y. Combined field glass and periscope. 160,304, Oct. 3.
Crichton, James H., Charlotte, N. C. Soap grater and dispenser. 157,348, Feb. 21.
Crimmel, Henry H., Hartford City, Ind. Condiment shaker. 160,694, Oct. 31.
Crimmel, John R., assignor to Sneath Glass Company, Hartford City, Ind. Combined bottle and dispenser. 157,662, Mar. 14.
Cristofoletti, Dino J., New York, N. Y. Plaque. 160,773, Nov. 7.
Crocker, Oscar D., Oak Grove, Oreg. Sun glare visor for windshields. 159,785, Aug. 22.
Croft, William T., Long Beach, and W. G. Goodale, Los Angeles, Calif. Siphon. 156,703, Jan. 3.
Cromwell Manufacturing Corporation, assignee: *See*—
Laufer, Jack.
Crook, Frank M., Toledo, assignor to The Toledo Desk & Fixture Company, Maumee, Ohio. Tray. 160,480, Oct. 17.
Crowder, Wiley K., Niagara Falls, N. Y., assignor to E. J. Balluff, Wayne County, Mich. Helicopter toy. 158,936, June 13.
Crowder, Wiley K., Niagara Falls, N. Y., assignor to E. J. Balluff, Wayne County, Mich. Helicopter toy. 158,937, June 13.
Crowle, Robert H.: *See*—
Jones, Charles E., and Crowle.
Crowley, John C., Willoughby, Ohio. Valve operating spray nozzle cap unit. 160,927, Nov. 21.
Crown Cork & Seal Company, Inc., assignee: *See*—
Schmidt, John.
Crown Cork Specialty Corporation, assignee: *See*—
Hill, Donald W.
Crown Luggage Co., Inc., assignee: *See*—
Neumann, Jacob.
Crown Plastics Corporation, The, assignee: *See*—
Ball, Charles W.
Crystal Manufacturing Co., Inc., assignee: *See*—
Mohr, Anthony.
Cudini, Roger G., Birmingham, assignor to Moynahan Bronze Company, Detroit, Mich. Folding chair. 158,841, June 6.
Cugat, Albert, New York, N. Y. Performing figure toy. 158,054, Apr. 11.
Cullen, Ethel M.: *See*—
Cepl, Frank H., and Cullen.
Culley, Ralph H., Rochester, N. Y. Sink. 156,704, Jan. 3.
Cunningham, George L., Dayton, Ohio. Animated toy. 158,357, May 2.
Cuomo, Marie, Yonkers, N. Y. Savings bank. 160,481, Oct. 17.
Cupido, Aurelio, New York, N. Y. Accordion. 158,181, Apr. 18.
Curran, Frank J., Downers Grove, Ill. Coaster rack. 156,819; Jan. 10.
Currier, Hiram D., Chicago, assignor to Leich Electric Company, Genoa, Ill. Telephone set. 159,188, July 4.
Curtiss Candy Company, The, assignee: *See*—
Hassler, Winfield S.
Cushman, Clifford E., Burbank, assignor to Sturgess, Inc., Glendale, Calif. Cable tension indicator. 157,032, Jan. 31.
Dabrowski, Alexandra A., assignor to The International Silver Company, Meriden, Conn. Spoon or other article of flatware. 156,941, Jan. 24.
Dabrowski, Alexandra A., assignor to The International Silver Company, Meriden, Conn. Spoon or other article of flatware. 156,942, Jan. 24.
D'Addario, Thomas, New York, assignor to Burton-Davis Co., Brooklyn, N. Y. Game board. 160,251, Sept. 26.
D'Addario, Thomas, assignor to Burton-Davis Co., New York, N. Y. Game box top. 160,252, Sept. 26.
Dailey, Donald E., Bryn Mawr, assignor to Proctor Electric Company, Philadelphia, Pa. Electric flatiron. 158,842, June 6.
Dailey, Edgar L., Atlanta, Ga. Bicycle. 158,652, May 23.
Dailey, James R., assignor to Turner Manufacturing Company, Kokomo, Ind. Wheel balance weight. 161,006, Nov. 28.
Dainty Maid Hosiery Co., Inc., assignee: *See*—
Belaief, Irving.
Dajnowicz, William C., Detroit, assignor to Valor Tool and Machine Co., Dearborn, Mich. Combination desk letter holder and letter opener. 159,358, May 2.
Dale, Verne F., Onalaska, Wis., and H. Dorfman, Chicago, Ill., said Dale assignor to said Dorfman. Stove or the like. 158,359, May 2.
D'Aleo, Paul F., Valley Stream, N. Y. Hood for securing means of money bags or the like. 160,928, Nov. 21.
D'Alessandro, Frank, Buffalo, N. Y. Jewelry box. 156,869, Jan. 17.
Da-Lite Screen Company, Inc., assignee: *See*—
Bernzott, Hugo, and Heck.
Du Mais, Leo J.
Gardner, René, and Bernzott.
Dalton, Bruce H.: *See*—
Wilcox, Ray C., and Dalton.
D'Ambrosio, Angelo, New York, N. Y., O. Hiss, Jersey City, N. J., and F. Wildstein, New York, N. Y. Table. 158,055, Apr. 11.
Dammeyer, Oscar A., New Bremen, Ohio. Pony cart. 157,944, Apr. 4.
Dana Perfumes, Inc., assignee: *See*—
Teague, James.
D'Angelo, Joseph, Brooklyn, N. Y. Window cleaner. 160,253, Sept. 26.
Daniel, Frederick K., Kew Gardens, and E. N. Horn, New York, N. Y. Toy balloon or similar article. 159,718, Aug. 15.
Daniels, Elmer H., Pasadena, assignor to Kaiser Fleetwings, Inc., Oakland, Calif. Dishwasher cabinet or the like. 157,240, Feb. 14.
Danielson, Paul F. San Marino, Calif. Sink strainer. 160,774, Nov. 7.
Danley, Gail L., assignee: *See*—
Backie, John L.
Danley, Jeanette D., assignee: *See*—
Backie, John L.
Danzig, Selig M., New York, and G. Skolnik, Brooklyn, N. Y. Combined earring clasp and ornament attachment device. 156,705, Jan. 3.
Daon, Rene, East Norwalk, assignor to Yankee Metal Products Corporation, Norwalk, Conn. Casing for automobile directional signal. 157,349, Feb. 21.
Darr, Edwin E., Garden City, N. Y. Game board. 161,248, Dec. 19.
Darr, Harold W., assignor to Phillips Manufacturing Company, Inc., Minneapolis, Minn. Gun-type soldering iron. 157,470, Feb. 28.
Darr, Harold W., Minneapolis, assignor to Cole Valve Company, Duluth, Minn. Temperature controlling faucet. 159,051, June 20.
Darr, Harold W., Minneapolis, assignor to Cole Valve Company, Duluth, Minn. Temperature controlling faucet. 159,052, June 20.
Darr, Harold W., assignor to R. Baker, Minneapolis, Minn. Golf club carrier. 161,249, Dec. 19.
Darrin, Howard A., Hollywood, Calif., assignor to Kaiser-Frazer Corporation, Willow Run, Mich. Automobile. 160,482, Oct. 17.
Darwin, Elizabeth, Los Angeles, Calif. Slip-type undergarment. 156,706, Jan. 3.

Darwin, Elizabeth, Los Angeles, Calif. Slip-type undergarment. 160,150, Sept. 19.
Daubenberger, Charles J., Pacific Palisades, Calif. Cooking utensil. 159,786, Aug. 22.
Daudelin, Antoine S., Essex Junction, Vt. Combined straight edge and level. 159,254, July 11.
Davey, Jack B., Kenmore, N. Y. Holder for vacuum cleaners of the tank or cylinder type. 159,960, Sept. 5.
Davey, Jack B., Kenmore, N. Y. Holder for vacuum cleaners of the tank or cylinder type. 159,961, Sept. 5.
David, Roger H., St. Paul, Minn. Floor mat. 157,130, Feb. 7.
Davidson, Donald E., Los Angeles County, Calif. Telescope. 159,719, Aug. 15.
Davies, Donald D.: *See*—
Kelly, Gerald R., and Davies.
Davies, Robert H., Shaker Heights, assignor to The Baker-Raulang Company, Cleveland, Ohio. Industrial truck. 160,483, Oct. 17.
Davis, Earl R.: *See*—
Reinheimer, Emma C., and Davis.
Davis, Edmund A., assignor to The Robbins Company, Attleboro, Mass. Belt buckle or similar article. 160,579, Oct. 24.
Davis, Edmund A., Attleboro, Mass., assignor to E. E. Steckler, St. Martinville, La. Spoon or similar article. 156,943, Jan. 24.
Davis, Edward D., Chula Vista, and N. Shaeffer, Los Angeles, Calif.; said Shaeffer assignor to said Davis. Combined palette and water jar. 160,929, Nov. 21.
Davis, Goode P.: *See*—
Knowles, Joseph E., Davis, and Backus.
Davis, Loren R.: *See*—
Booth, John G., and Davis.
Davis, Marian V., assignee: *See*—
Van Trine, Ralph.
Davis, Rachel C., Lockridge, Iowa. Set of playing cards. 159,475, Aug. 1.
Davis, Rachel C., Lockridge, Iowa. Set of playing cards. 159,476, Aug. 1.
Davis, Roy P. M., assignee: *See*—
Mansfield, Warren M.
Davis, Wilfrid H., Duffield, near Derby, assignor to Joseph Lucas Limited, Birmingham, England. Combined turbo-electric generator and lamp housing. 158,360, May 2.
Davis, William, Hastings, Minn. Combined lamp, book end, and ash tray. 157,945, Apr. 4.
Davis, William H. H., and Floyd V. Schleimer, said Schleimer assignor of one-half to Duart Manufacturing Co., Ltd., San Francisco, Calif. Hair curler. 160,373, Oct. 10.
Davis, William S., Philadelphia, Pa. Space heater. 157,131, Feb. 7.
Davison, Nettie, Upland, assignor of one-half to E. Zukin and one-half to S. Zukin, Los Angeles, Calif. Laundry bag. 158,446, May 9.
Day, Jack L., Oakland, Calif. Bobby pin opener and holder. 158,447, May 9.
Day, Wilbur M.: *See*—
Millington, William, and Day.
Day-Brite Lighting, Inc., assignee: *See*—
Meyer, Carl X.
Day's, Mrs., Ideal Baby Shoe Company, Inc., assignee: *See*—
McCutcheon, Paris S.
Dean, Arthur F., Glenview, and D. C. Peterson, assignors to Stewart-Warner Corporation, Chicago, Ill. Lubricating equipment cabinet. 158,729, May 30.
Dean, Arthur F., Glenview, and D. C. Peterson, assignors to Stewart-Warner Corporation, Chicago, Ill. Wheel balancer. 158,730, May 30.
Dean, Arthur F., Glenview, and D. C. Peterson, assignors to Stewart-Warner Corporation, Chicago, Ill. Lubricating equipment cabinet. 160,580, Oct. 24.
Dean, Arthur F., Glenview, and D. C. Peterson, assignors to Stewart-Warner Corporation, Chicago, Ill. Combined oil bar and cabinet. 160,581, Oct. 24.
Dearborn Stove Company, assignee: *See*—
Faber, Guy S.
Deauville Models, Inc., assignee: *See*—
Adler, Marsh.
Decker, Walter J., Sr., Cliffside Park, and C. O. Kaiser, Leonia, N. J. Structural block or similar article. 159,255, July 11.
De Clerck, Marie E., Detroit, Mich. Nursing bottle holder. 158,938, June 13.
Deering, August M.: *See*—
Meyer, Ernst A., and Deering.
De Fee, Le Emmette V., assignor to Brown & Bigelow, St. Paul, Minn. Combination can opener, bottle opener, and spoon. 160,695, Oct. 31.
De Fee, Le Emmette V., assignor to Brown & Bigelow, St. Paul, Minn. Combination bottle opener, screw driver, and lid opener. 161,321, Dec. 26.
Degner, Charles F., Chicago, Ill., assignor to M. L. Degner, Boonville, Mo. Key holder or the like. 160,254, Sept. 26.
Degner, Charles F., Chicago, Ill., assignor to M. L. Degner, Boonville, Mo. Coin saving bank or the like. 160,255, Sept. 26.
Degner, Martha L., assignee: *See*—
Degner, Charles F.
De Grave, Charles J., Jr., Chili, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Micro-projector. 159,962, Sept. 5.
De Harte, Hallison R.: *See*—
Benjamin, Harry S., and De Harte.
Deines, Erwin W., Cranston, R. I., assignor to Chain Craft Co. Jewelry chain. 160,775, Nov. 7.
De Kolb, Eric, assignor to Gourielli, Inc., New York, N. Y. Perfume bottle. 158,557, May 16.
Delacroix, Norbert, Lyons, France. Electric coffee percolator or other similar article. 156,707, Jan. 3.
Delacroix, Norbert, Lyons, France. Electric coffee percolator or similar article. 157,740, Mar. 21.
Delamere Company, Inc., assignee: *See*—
Goodman, Abraham.
Delany, Kathryn N.: *See*—
Gruber, Gilbert S., and Delany.
Della-Porta, Albert C., Leicester, England. Drum bracket. 160,696, Oct. 31.
Delman, Herman B., New York, N. Y. Shoe. 156,870, Jan. 17.
Delman, Inc., assignee: *See*—
McGee, Joseph W.
Del Pozo, Albert, New York, N. Y. Gun rack. 157,241, Feb. 14.
Delucchi, Attilio B., Daly City, Calif. Yarn holder. 161,250, Dec. 19.
Deluxe Engraving Co., assignee: *See*—
Franklin, Donald.
Demaree, Delmar E., assignor to Syndicate Sales Company, Kokomo, Ind. Combined lapel ornament and flower holder. 158,182, Apr. 18.
DeMark, Nicholas, Santa Barbara, Calif. Bathroom fixture. 160,484, Oct. 17.
De Martino, Marie G., Newark, N. J., assignor to L. Wohl & Company, Inc., New York, N. Y. Dress. 157,844, Mar. 28.
De Mesquita, Edwin B., Forest Hills, assignor to American Safety Razor Corporation, Brooklyn, N. Y. Lighter. 156,871, Jan. 17.
Dempster, Charles B., Morristown, N. J. Slipper. 158,843, June 6.
De Napoli, Anthony C., Jr., Windsor, Conn., and R. Spilman, Yonkers, N. Y., assignors to The Soundscriber Corporation, New Haven, Conn. Dictating machine cabinet. 157,242, Feb. 14.
De Napoli, Anthony C., Jr., Windsor, Conn., and R. Spilman, Yonkers, N. Y. Dictating machine transcriber cabinet. 157,350, Feb. 21.
Denby, Howard and L. S., Chicago, Ill. Candlestick or similar article. 159,189, July 4.
Denby, Linda S.: *See*—
Denby, Howard and L. S.
Denn, Maurice J., Redondo Beach, and C. W. Stanton, Los Angeles, Calif. Teacup. 158,558, May 16.
Dennis, E. Lucian, Rockford, Ill., assignor to The Washburn Company, Worcester, Mass. Wire basket. 157,571, Mar. 7.
Dennis, Seymour F., New York, N. Y. Sport shirt. 161,322, Dec. 26.
Derham, Philip A., Rosemont, Pa., assignor to Champion Plastics Corporation, New York, N. Y. Toy boat or the like. 159,053, June 20.
Dermetics, Inc., assignee: *See*—
Burger, Charles H.
Von Miklos, Josephine.
Desguin, Henri, Koekelberg, and N. Sauvage, Berchem-Ste-Agathe, assignors to Fonderies Nestor Martin, Societe Anonyme, Berchem-Brussels, Belgium. Gas stove. 160,776, Nov. 7.
Design Development Corporation, assignee: *See*—
Riha, Cyril M.
De Smet, Edgard C., assignor to Willys-Overland Motors, Inc., Toledo, Ohio. Vehicle. 157,351, Feb. 21.
Desrochers, Fernand, assignor to Dominion Corset Company Limited, Quebec, Quebec, Canada. Brassière. 159,143, June 27.
De Tamble, Richard: *See*—
Edlund, Henry K., Monjar, Shuman, and De Tamble.
Detro Products, Inc., assignee: *See*—
Ramstrum, Eric P.
Detzel, Jacob J., assignor to Kayware Corporation, Chicago, Ill. Milk bottle cap. 160,485. Oct. 17.
De Vault, Ralph P., Arcadia, Calif. Vegetable cutter or similar article. 156,944, Jan. 24.
De Vilbiss Company, The, assignee: *See*—
Peeps, Donald J.
Sundberg, Carl W.
Devine, J. E., assignee: *See*—
Ellis, Clarence M.
De Voy, Roy V., North Hollywood, Calif. Game board. 160,374, Oct. 10.
De Voy, Roy V., North Hollywood, Calif. Pool game board. 160,582, Oct. 24.
Dewhirst, Paul A., assignee: *See*—
Hamer, Leland S.
Dexdale Hosiery Mills, assignee: *See*—
Berger, Emil J.
De Young, Jack: *See*—
Budlong, Robert D., and De Young.
De Young, Jack, Grand Haven, Mich., assignor to Zenith Radio Corporation. Radio cabinet. 157,352, Feb. 21.
De Young, Jack, Grand Haven, Mich., assignor to Zenith Radio Corporation. Radio cabinet. 157,572, Mar. 7.

De Young, Jack, Grand Haven, Mich., assignor to Zenith Radio Corporation. Radio cabinet. 157,573, Mar. 7.

De Young, Jack, Grand Haven, Mich., assignor to Zenith Radio Corporation. Radio cabinet. 157,574, Mar. 7.

D'Harlingue, Alfred L., St. Louis, Mo. Utility burner for paint or the like. 161,323, Dec. 26.

Dickenson, Donald M., Jr., White Plains, N. Y., assignor of one-half to A. O. Coates, Providence, R. I. Dish. 161,165, Dec. 12.

Diebenkorn, Richard C., Atherton, assignor to Dohrmann Hotel Supply Co., San Francisco, Calif. Plate or similar article. 157,741, Mar. 21.

Diesbach, Eleanor C., trustee, assignee: *See*—
Katz, Russell S.

Dieterich, Frederick A., assignor to Universal Chain Co. Inc., Maplewood, N. J. Chain for a necklace or similar article. 157,132, Feb. 7.

Dieterich, Frederick A., assignor to Universal Chain Co. Inc., Maplewood, N. J. Chain for a necklace or similar article. 157,243, Feb. 14.

Dieterich, Frederick A., assignor to Universal Chain Co. Inc., Maplewood, N. J. Chain for a necklace or similar article. 157,244, Feb. 14.

Dieterich, Richard E., River Forest, Ill. Vehicle windshield shade. 159,144, June 27.

Dieterich, Richard E., River Forest, Ill. Center bracket support for a windshield visor. 159,963, Sept. 5.

Dietzel, Louis H., assignor to Kansas City Centennial Association, Kansas City, Mo. Medal. 160,777, Nov. 7.

Dillard, William, Jr., New York, N. Y. Wall plaque or similar article. 157,133, Feb. 7.

Diller, Alvin L., Watertown, Mass., assignor to The B. F. Goodrich Company, New York, N. Y. Shoe sole. 158,361, May 2.

Di Mezza, Victor, Ozone Park, assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 158,559, May 16.

Di Mezza, Victor, Ozone Park, assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 158,560, May 16.

Di Mezza, Victor, Ozone Park, assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 158,561, May 16.

Di Mezza, Victor, Ozone Park, assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 158,562, May 16.

Din-A-Tot Corp., assignee: *See*—
Kahan, James A.

Dinhofer, Harry, New York, N. Y. Watchcase bezel. 157,663, Mar. 14.

Dinhofer, Harry, New York, N. Y. Watchcase bezel. 157,664, Mar. 14.

Dinhofer, Harry, New York, N. Y. Watchcase. 159,409, July 25.

Dinhofer, Milton, New York, N. Y. Drinking straw. 158,056, Apr. 11.

Dippel, C. E., & Company, assignee: *See*—
Lebovitz, Jack.

Dischler, Emil, Au, Switzerland, assignor to Edwin J. Schoettle Co., Philadelphia, Pa. Box. 158,362, May 2.

Dispensers, Inc., assignee: *See*—
Goldman, Maurice.

Dix, Robert: *See*—
Hofer, Hans, Alto, and Dix.

Dixon, Donald D., Fort Morgan, Colo. Pin-up spectacle case or similar article. 157,742, Mar. 21.

Dixon, Robert: *See*—
Bolté, Brown, and Dixon.

Dobson, William A., West Hartford, Conn., assignor to Underwood Corporation, New York, N. Y. Typewriting machine. 158,731, May 30.

Doerfler, Robert L., assignor to International Silver Company, Meriden, Conn. Spoon or other article of flatware. 159,256, July 11.

Doerfler, Robert L., assignor to International Silver Company, Meriden, Conn. Spoon or other article of flatware. 159,257, July 11.

Doggett, David L.: *See*—
Schier, Wallace, and Doggett.

Doho Chemical Corporation, assignee: *See*—
Heintze, Walter T.

Dohrmann Hotel Supply Co., assignee: *See*—
Diebenkorn, Richard C.

Dokus, Adrienne B. J. and J. I., Newark, N. J. Multiple condiment holder. 158,939, June 13.

Dokus, Adrienne B. J. and J. I., Newark, N. J. Multiple condiment holder. 158,940, June 13.

Dokus, Adrienne B. J. and J. I., Newark, N. J. Multiple condiment holder. 158,941, June 13.

Dokus, Adrienne B. J. and J. I., Newark, N. J. Multiple condiment holder. 158,942, June 13.

Dokus, Adrienne B. J. and J. I., Newark, N. J. Multiple condiment holder. 158,943, June 13.

Dokus, John I.: *See*—
Dokus, Adrienne B. J. and J. I.

Dold, Louis R., Oakland, Calif. Clothespin. 160,305, Oct. 3.

Dolores, assignee: *See*—
Drucker, Dolores.

Domann, John A.: *See*—
Domann, John L. and J. A.

Domann, John L., and J. A. Domann, South Gate, Calif. Fender ornament. 156,708, Jan. 3.

Domina, Howard L., Toronto, Ontario, Canada. Creel for anglers. 156,820, Jan. 10.

Dominion Corset Company Limited, assignee: *See*—
Desrochers, Fernand.

Dominion Electric Corporation, assignee: *See*—
Applegate, Clare E.
Waltman, Chauncey E.

Domster, Stephen G.: *See*—
Snider, Joseph W., and Domster.

Donahue, Ann T.: *See*—
Heintze, Walter T., and Donahue.

Donnelly, Joseph B., Burlingame, Calif., assignor to Schenley Industries, Inc., New York, N. Y. Can opener. 158,944, June 13.

Dorfman, Herman, assignee: *See*—
Dale, Verne F., and Dorfman.

Dorfman, Oscar W., and E. Peters, Chicago, Ill. Automobile air deflector. 157,845, Mar. 28.

Dorman, Jennie, Glendale, Calif. Detachable heel protector. 159,603, Aug. 8.

Dormeyer Corporation, assignee: *See*—
Allesee, Marvin E.
Bisley, William F.
Morgan, Jack.

Dottavio, Romigio, Pittsfield, Mass. Combined flower pot and stand therefor. 161,092, Dec. 5.

Dottavio, Romigio, Pittsfield, Mass. Combined flow pot and stand therefor. 161,093, Dec. 5.

Doty, Xuma J., Los Angeles, Calif. Comb holder. 159,054, June 20.

Doughnut Corporation of America, assignee: *See*—
Ackles, Virgil E.
Brickson, Thomas B.

Doughtie, John A., Jr., Kittredge, Colo. Belt buckle. 158,563, May 16.

Douglas Aircraft Company, Inc., assignee: *See*—
Douglas, Donald W., Brown, and Wood.

Douglas, Alma H. and L. M., San Francisco, Calif. Child's slipper holder. 159,893, Aug. 29.

Douglas, Alma H. and L. M., San Francisco, Calif. Child's slipper holder. 159,894, Aug. 29.

Douglas, Alma H. and L. M., San Francisco, Calif. Child's slipper holder. 159,895, Aug. 29.

Douglas, Donald W., and C. G. Brown, Santa Monica, and C. C. Wood, Los Angeles, assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif. Airplane. 157,846, Mar. 28.

Douglas, Homer C., Kansas City, Kans. Display rack. 157,033, Jan. 31.

Douglas, Le Roy M.: *See*—
Douglas, Alma H. and L. M.

Doux, Alfred W., assignor to Alfra Manufacturing Corporation, New York, N. Y. Casing for a writing instrument. 157,471, Feb. 28.

Dover, Samuel M., Chicago, Ill. Audible signal device. 161,007, Nov. 28.

Dow Corning Corporation, assignee: *See*—
Kilner, Janet C.

Dow, Walter K., Longmeadow, Mass. Gauge. 158,945. June 13.

Downey, William H. J., Wilmington, Del. Combination ash tray, match holder, and pipe rack. 159,055, June 20.

Doyle, Joel G., Kansas City, Mo. Rotary mower housing. 161,008, Nov. 28.

Draut, Ralph H.: *See*—
Ebel, William K., van Zelm, and Draut.

Drazan, Gerald, Spokane, Wash. Calendar case. 157,472, Feb. 28.

Drazick, John, Detroit, Mich. Cap gripper. 156,709, Jan. 3.

Dreisbach, Gerald H., North Baltimore, Ohio. Combination fishing rod handle, weight scale, and rule. 158,732, May 30.

Dreitzer, Albert J., assignor to Pitman-Dreitzer & Co., Inc., New York, N. Y. Combination tea and toast dish or similar article. 156,872, Jan. 17.

Dreitzer, Albert J., assignor to Pitman-Dreitzer & Co., Inc., New York, N. Y. Combination coaster and ash tray or article of similar nature. 159,056, June 20.

Dreitzer, Albert J., assignor to Pitman-Dreitzer & Co., Inc., New York, N. Y. Glass salad plate or similar article. 159,190, July 4.

Dreitzer, Albert J., assignor to Pitman-Dreitzer & Co., Inc., New York, N. Y. Glass salad bowl or similar article. 159,191, July 4.

Dreitzer, Albert J., assignor to Pitman-Dreitzer & Co., Inc., New York, N. Y. Glass saucer or similar article. 159,192, July 4.

Dreitzer, Albert J., assignor to Pitman-Dreitzer & Co., Inc., New York, N. Y. Combination glass coaster and ash tray or similar article. 159,193, July 4.

Dreitzer, Albert J., assignor to Pitman-Dreitzer & Co., Inc., New York, N. Y. Bread and butter saucer or article of similar nature. 159,720, Aug. 15.

Dreitzer, Albert J., assignor to Pitman-Dreitzer & Co., Inc., New York, N. Y. Salad plate or article of similar nature. 159,721, Aug. 15.

Dreyfuss, Henry, assignor to General Aniline & Film Corporation, New York, N. Y. Photographic camera. 157,847, Mar. 28.

Dreyfuss, Henry, assignor to General Aniline & Film Corporation, New York, N. Y. Photographic camera. 157,848, Mar. 28.

Dreyfuss, Henry, Pasadena, Calif., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Mounting for a hand telephone. 157,849, Mar. 28.

Dreyfuss, Henry, Pasadena, assignor to Byron Jackson Co., Vernon, Calif. Pump and motor unit. 160,845, Nov. 14.
Drucker, Dolores, assignor to Dolores, Cincinnati, Ohio. Child's toy. 157,743, Mar. 21.
Dual Remote Control Co., Inc., assignee: *See*— Glamb, Stanley L.
Duart Manufacturing Co., Ltd., assignee: *See*— Davis, William H. H., and Schleimer.
Du Bois, Arthur E.: *See*— Will, Elizabeth, and Du Bois.
Du Bois, Arthur E., Washington, D. C., and R. R. Wilson, Ashtabula, Ohio, assignors to the United States of America as represented by the Secretary of the Army. Box for medals or the like. 159,964, Sept. 5.
Duelfer, Raymond, Danbury, assignor to The Risdon Manufacturing Company, Naugatuck, Conn. Combined pen and pencil. 158,946, June 13.
Duff, Robert B., Crookston, Minn. Stand for beverage dispensers. 160,930, Nov. 21.
Du Mais, Leo J., Chicago, Ill., assignor to Da-Lite Screen Company, Inc. Tripod top bracket for screens. 158,252, Apr. 25.
Dunbar, Oliver W.: *See*— McCandless, Guy, and Dunbar.
Duncan, Alan W., Oak Park, Ill., assignor of one-half to The High Standard Manufacturing Corporation, Hamden, Conn., and one-half to Sears, Roebuck and Co., Chicago, Ill. Firearm. 160,151, Sept. 19.
Duncan, Alan W., Oak Park, assignor to Sears, Roebuck and Co., Chicago, Ill. Handle for a cooking utensil. 161,166, Dec. 12.
Duncan, Alan W., Oak Park, assignor to Sears, Roebuck and Co., Chicago, Ill. Handle for a cooking utensil. 161,167, Dec. 12.
Duncan, Kenneth P., Los Alamitos, Calif. Table sirup container. 157,665, Mar. 14.
Duncan, Roselyn K., Atlanta, Ga. Finger ring. 161,324, Dec. 26.
Dunkerley, Frank: *See*— Ward, Harold, and Dunkerley.
Dunning, Everett A., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Lens housing for automobile lamps. 157,850, Mar. 28.
Dunning, Everett A., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Automobile lamp lens. 157,851, Mar. 28.
Dunning, Everett A., Detroit, Mich. Automobile hood ornament. 160,306, Oct. 3.
Dupli-Color Products Company, Inc., assignee: *See*— Edelstone, Sigmund E., and Jenks.
Du Pont, E. I., de Nemours & Company, assignee: *See*— Kahn, Lester.
Du Pree, Ernest L., Jr., Old Greenwich, Conn., assignor to Schenley Industries, Inc. Bottle. 156,710, Jan. 3.
Duro Chrome Corporation, assignee: *See*— Michelson, Lawrence M.
Duro-Test Corporation, assignee: *See*— Cox, James L.
Durst, Edwin, New York, N. Y. Radio cabinet or similar article. 159,896, Aug. 29.
Dusek, Robert: *See*— Budlane, Stanley J., and Dusek.
Dutton, Evelyn M., New York, and S. H. Plon, Jamaica, N. Y. Combination slip and brassière. 159,325, July 18.
Dwinell, Charles L., Kansas City, Mo. Display sign. 158,733, May 30.
Dykes, Lee O., Jr., and L. H., Milwaukee, Oreg. Trailer. 159,787, Aug. 22.
Dykes, Lillian H.: *See*— Dykes, Lee O., Jr., and L. H.
Dylane, Inc., assignee: *See*— Budlane, Stanley J., and Dusek.
E. A. Laboratories, Inc., assignee: *See*— Hutcheson, Ray R.
Eades, Lucy F., Inspiration, Ariz. Doll head. 161,251, Dec. 19.
Eagle, John H., and K. A. Van Dyck, assignors to Eastman Kodak Company, Rochester, N. Y. Photographic enlarger. 159,722, Aug. 15.
Eagle Manufacturing Company, The, assignee: *See*— Cohan, Alvin M.
Earley, William M., Hagerstown, Md. Dressing stand. 157,744, Mar. 21.
Eastman Kodak Company, assignee: *See*— Crapsey, Arthur H., Jr. Eagle, John H., and Van Dyck. Knowles, Frederick G. Schubert, Alvin E., and Nivison. Van Dyck, Kenneth A.
Easy Washing Machine Corporation, assignee: *See*— Law, Alexander M.
Eaton, William W., Milford, Conn., and H. T. Olson, Baldwin, assignors to Remington Rand Inc., New York, N. Y. Document photographing machine. 160,931, Nov. 21.
Eaves, William C., Elyria, Ohio. Combined barometer, clock, humidity indicator, and thermometer. 160,077, Sept. 12.
Ebel, William K., Kingsville, Md., P. M. Magruder, Washington, D. C., and M. B. Bassett, Middle River, assignors to The Glenn L. Martin Company, Baltimore, Md. Airplane. 157,353, Feb. 21.
Ebel, William K., Kingsville, and W. A. Bortner, assignors to The Glenn L. Martin Company, Baltimore, Md. Airplane. 157,946, Apr. 4.
Ebel, William K., Kingsville, W. D. van Zelm, Ruxton, and R. H. Draut, Kingsville, assignors to The Glenn L. Martin Company, Baltimore, Md. Airplane. 158,363, May 2.
Ebel, William K., Columbus, Ohio, and J. D. Pierson, Overlea, assignors to The Glenn L. Martin Company, Middle River, Md. Seaplane. 159,788, Aug. 22.
Eberle, Augusta, North Hollywood, Calif. Uniform coat. 156,711, Jan. 3.
Ebersole, Benjamin S., assignee: *See*— Franklin, Robert L.
Edelmann, Robert B., Chicago, Ill. Box. 157,575, Mar. 7.
Edelstone, Sigmund E., Chicago, and A. L. Jenks, Dixon, assignors to Dupli-Color Products Company, Inc., Chicago, Ill. Spray gun. 159,897, Aug. 29.
Edelstone, Sigmund E., Chicago, and A. L. Jenks, Dixon, assignors to Dupli-Color Products Company, Inc., Chicago, Ill. Spark plug pump. 160,078, Sept. 12.
Eder, John F., and G. H. Wilcox, Sherman, Tex. Bottle carrier. 158,183, Apr. 18.
Edison, Carolyn H., West Orange, N. J. Joker card for a deck of playing cards. 159,898, Aug. 29.
Edison, Thomas A., Incorporated, assignee: *See*— Somers, Richard M. Stamper, Willson Y.
Edlund, Henry K., J. G. Monjar, G. R. Shuman, and R. De Tamble, Detroit, Mich., assignors to Tonno-Shield Corporation. Rear seat windshield for convertibles. 158,184, Apr. 18.
Edlund, Walter W., Burlington, Vt. Kitchen tongs. 160,375, Oct. 10.
Edmonson, Lillian G., Columbus, Miss. Canister unit. 160,846, Nov. 14.
Edwards, Earl W., South Pasadena, Calif. Combined lid opener and hinge for garbage receptacles. 157,745, Mar. 21.
Egerman, Lewis, Yonkers, N. Y. Receptacle for toothbrushes or the like. 157,947, Apr. 4.
Egle, William G., Syracuse, N. Y. Combined candle snuffer and lighter. 157,245, Feb. 14.
Eib, Gertrude R., Denver, Colo. Cake. 157,134, Feb. 7.
Eichler, Edwin H., assignee: *See*— Waltman, Chauncey E.
Eichmuller, Ferdinand, Jenkintown, Pa., assignor to The Precious Metals Specialties Company, Inc., Newark, N. J. Gem setting or similar article. 156,712, Jan. 3.
Eidinger, Sidney: *See*— Kaplan, Harry, and Eidinger.
Eisenberg, Daniel, Plainfield, N. J., assignor to Spaulding China Co., Inc., New York, N. Y. Flower holder or similar article. 159,194, July 4.
Eisenberg, Daniel, Plainfield, N. J., assignor to Spaulding China Co., Inc., New York, N. Y. Flower holder or similar article. 159,789, Aug. 22.
Eisenberg, Harry, Atlantic City, N. J. Lamp. 161,325, Dec. 26.
Eisenberg, Jerome C., West Orange, N. J. Desk or similar article. 161,168, Dec. 12.
Eisenberg, Max, New York, N. Y. Jacket. 160,583, Oct. 24.
Ekco Products Company, assignee: *See*— Hess, Theodore. Hvale, James L. John, Betty H., and Hvale. Lueneburg, Walter C., Hvale. Muller-Munk, Peter. Wagner, Franz.
Eldon, James F., Melrose, assignor to Converse Rubber Corporation, Malden, Mass. Shoe or similar article of footwear. 157,034, Jan. 31.
Eldon, James F., Melrose, assignor to Converse Rubber Corporation, Malden, Mass. Rubber boot. 161,094, Dec. 5.
Eldridge, Joseph G., Peru, Ill. Trailer. 159,326, July 18.
Electric Animals, Inc., assignee: *See*— Levinson, Benjamin L.
Electric Service Manufacturing Co., assignee: *See*— Mageoch, Harry Y.
Electrographic Corporation, assignee: *See*— Grumbache, Edward S.
Electrolux Corporation, assignee: *See*— Allen, Oliver L. Guild, Lurelle V. A. Kowalewski, John J.
Electronational Engineering Co., assignee: *See*— Zapolski, Benjamin J.
Elisayeff, Arline A., New York, N. Y., and E. F. Loeschorn, Bogota, N. J., assignors, by mesne assignments, to Valcort Hosiery Corporation. Box cover or the like. 156,945, Jan. 24.
Elisayeff, Arline A., New York, N. Y., and E. F. Loeschorn, Bogota, N. J., assignors, by mesne assignments, to Valcort Hosiery Corporation. Box cover or the like. 159,195, July 4.
Eljer Co., assignee: *See*— Muller-Munk, Peter.
Ellis, Ann, Victoria, Hong Kong. Collapsible basket. 159,790, Aug. 22.
Ellis, Charles A., assignor to American Optical Company, Southbridge, Mass. Optical instrument. 159,477, Aug. 1.

Ellis, Charles A., Worcester, assignor to American Optical Company, Southbridge, Mass. Eye testing instrument. 160,847, Nov. 14.
Ellis, Clarence M., assignor of one-third to J. E. Devine, Lodi, and one-third to L. Prentice, Acampo, Calif. Supporting unit for barbecues or the like. 158,844, June 6.
Ellis, Samuel W., Charlotte, N. C. Lawn fence or similar article. 158,364, May 2.
Ellmore Silver Company, Inc., The, assignee: *See*— Lipman, Isadore A.
Elsner, Virgil, Manhattan Beach, Calif., assignor to Burgess Battery Company, Lake Zurich, Ill. Sprayer. 156,873, Jan. 17.
Emde, Kurt, Itasca, Ill., assignor to Zenith Radio Corporation. Radio cabinet. 156,821; Jan. 10.
Emde, Kurt, Itasca, and H. H. Steglich, Wilmette, Ill., assignors to Zenith Radio Corporation. Radio cabinet. 157,354, Feb. 21.
Emelin, Arthur C.: *See*— Miller, Samuel, and Emelin.
Emery's, Thos., Sons, Incorporated, assignee: *See*— Brown, William S., and Soverns.
Emmons, Kenneth G., Detroit, Mich. Paint kit. 156,874, Jan. 17.
Empire Ironer, Inc., assignee: *See*— Getgey, John J.
Engberg, Axel O., assignor to Aktiebolaget Elektrolux, Stockholm, Sweden. Casing for a surface treating machine. 160,307, Oct. 3.
Engel, Henry, Los Angeles, Calif. Clock. 159,258, July 11.
Engel, Paul R., assignor to Carl Wirth & Son, Inc., Rochester, N. Y. Antirattler for automobile windows. 156,713, Jan. 3.
Engel, Roger, Brooklyn, assignor to Gould Novelties, Inc., New York, N. Y. Book end. 158,057, Apr. 11.
Engelke, William J. H., Fort Worth, Tex. Propeller. 158,058, Apr. 11.
Englar, Kenneth G., Los Angeles, Calif. Attachment plug. 159,196, July 4.
Engler, John F., Houston, Tex. Spray gun frame. 157,473, Feb. 28.
Engstrom, Ernst F., assignor to F. M. Brainard, Chicago, Ill. Shipping container or similar article. 158,564, May 16.
Engstrom, Ernst F., assignor to F. M. Brainard, Chicago, Ill. Shipping container or similar article. 158,565, May 16.
Engstrom, Ernst F., assignor to F. M. Brainard, Chicago, Ill. Shipping container or similar article. 158,566, May 16.
Engstrom, Ernst F., assignor to F. M. Brainard, Chicago, Ill. Shipping container or similar article. 158,567, May 16.
Ensign, Robert H.: *See*— Teague, Walter D., and Ensign.
Enstrom, Rudolph J., and O. R. Sandstrom, Crystal Falls, Mich. Hair clippers or similar article. 161,009, Nov. 28.
Enterprise Manufacturing Co., The, assignee: *See*— Wormeck, Herbert A., and Hess.
Epstein, Julius, West Hempstead, N. Y. Dish. 157,355, Feb. 21.
Epstein, Ralph, New York, N. Y., assignor to Jacques Kreisler Manufacturing Corporation, North Bergen, N. J. Combined display stand and card or similar article. 157,576, Mar. 7.
Eratico, Rose R., Long Island City, N. Y. Cap or similar article. 157,356, Feb. 21.
Erickson, Charles, and E. Spellman, New York, N. Y. Dispensing head for frozen condiment. 161,010, Nov. 28.
Erie Manufacturing Co., Inc., assignee: *See*— Poncher, Harold and J. E. Rubel, Max J.
Ermer, Fritz, Brooklyn, N. Y. Expansible bracelet or similar article. 160,256, Sept. 26.
Ernst, W. Arthur, Racine, Wis. Drink mixer. 158,947. June 13.
Ernst, Walter, Dayton, assignor, by mesne assignments, to The Thompson Grinder Company, Springfield, Ohio. Pump unit. 160,308, Oct. 3.
Ernster, Sophie B., Los Angeles, Calif. Egg tray. 160,848, Nov. 14.
Erteszek, Olga, Los Angeles, Calif. Brassière. 156,714, Jan. 3.
Esselin, René, Lyon, assignor to Etablissements Esselin & Cie, (Societe a responsibilite limitee), Lyon, Rhone, France. Electric alarm clock. 160,697, Oct. 31.
Esses, Moses N., Brooklyn, N. Y. Flocked furniture scarf or similar article. 160,376, Oct. 10.
Esses, Moses N., Brooklyn, N. Y. Flocked furniture scarf or similar article. 160,377, Oct. 10.
Esterbrook Pen Company, The, assignee: *See*— Klagges, Henry C., and Steinberg.
Esterson, Albert A., assignor to Cat's Paw Rubber Heel Company, Inc., Baltimore, Md. Shoe sole. 159,791, Aug. 22.
Etablissements Esselin & Cie (Societe a responsibilite limitee), assignee: *See*— Esselin, René.
Ethington, Eberley R., Santa Monica, Calif. Combined mounting and protective housing for loud-speakers. 158,448, May 9.
Ethington, Eberley R., Santa Monica, Calif. Combined loud-speaker housing and grill. 158,449, May 9.
Etkin, Simon, New York, N. Y. Jacket. 157,246, Feb. 14.
Etkin, Simon, New York, N. Y. Jacket. 158,568, May 16.
Etkin, Simon, New York, N. Y. Jacket. 158,569, May 16.
Ettman, Rodney, Woodmere, N. Y. Tie clasp or similar article. 157,577, Mar. 7.
Ettman, Rodney, Woodmere, N. Y. Tie clasp or similar article. 157,578, Mar. 7.
Eudy, Fluta H., Fairfield, Calif. Man's underpants or the like. 157,666, Mar. 14.
Eutsler, Eugene E., Jr.: *See*— Coliz, Waldemar J., and Eutsler, Jr.
Evans Case Co., assignee: *See*— Reilly, Alfred F. Reilly, William J.
Evans, Jack, assignor to Century Display Mfg. Co. Inc., Chicago, Ill. Display cabinet. 157,247, Feb. 14.
Evans, Paul E.: *See*— Mayer, Theodore S., and Evans.
Evans, Randolph, Bronxville, N. Y. Combination bathroom unit. 161,326, Dec. 26.
Evans, Virginia B., Moundsville, W. Va., assignor to Imperial Glass Corporation, Bellaire, Ohio. Ash tray or similar article. 156,715, Jan. 3.
Evans, Virginia B., Moundsville, W. Va., assignor to Imperial Glass Corporation, Ballaire, Ohio. Bowl or similar article. 156,716, Jan. 3.
Evans, Virginia B., Moundsville, W. Va., assignor to Imperial Glass Corporation, Bellaire, Ohio. Cigarette box or similar article. 156,717, Jan. 3.
Evans, Virginia B., Moundsville, W. Va., assignor to Imperial Glass Corporation, Bellaire, Ohio. Urn or similar article. 159,792, Aug. 22.
Eversharp, Inc., assignee: *See*— Otto, Carl.
Everlast Pen Corporation, assignee: *See*— Hagel, Herbert N.
Ewbank, Kathryn B., Norman, Okla. Deck of playing cards. 159,478, Aug. 1.
Excelsior Accordions Inc., assignee: *See*— Pancotti, Egisto.
FR Corporation, The, assignee: *See*— Nevell, Thomas G. W.
F. & V. Manufacturing Co., Inc., assignee: *See*— Speck, Kurt.
Fabart Instrument Company, assignee: *See*— Fabrice, Edward H.
Faber, Guy S., Chicago, Ill., assignor to Dearborn Stove Company. Fan. 157,474, Feb. 28.
Fabergé, Inc., assignee: *See*— Piccoli, Girolamo.
Fabrice, Edward H., assignor to Fabart Instrument Company, Chicago, Ill. Receptacle sealing cap. 157,475, Feb. 28.
Fainberg, Bertrand M.: *See*— Fainberg, Moses and B. M.
Fainberg, Moses and B. M., New York, N. Y. Fountain pen or similar article of manufacture. 160,309, Oct. 3.
Fairbanks, Ansel W.: *See*— Kelly, Joseph W., and Fairbanks.
Fairchild Camera and Instrument Corporation, assignee: *See*— Reineman, Richard G.
Fairchild Engine & Airplane Corporation, assignee: *See*— Schindler, Cornelius M.
Fairchild Engine and Airplane Corporation, assignee: *See*— Thieblot, Armand J.
Fairchild, Wayne K., Montebello, Calif. Combined hair pin and frame for setting pin curls. 157,357, Feb. 21.
Falatico, Joseph A., Baltimore, Md. Combined fence and gate. 159,793, Aug. 22.
Falkenberg, Robert L., Kansas City, Mo., and C. J. Patterson, Jr., Mission, Kans., said Patterson assignor to said Falkenberg. Merchandise display rack. 160,378, Oct. 10.
Falkenhagen, Walter, Antigo, Wis. Gun sight. 159,899, Aug. 29.
Fall River Curtain Co., Inc., assignee: *See*— Harrell, William A. Seeley, Eugene.
Fantaccione, Luca, Attleboro, Mass. Faceplate for a belt buckle or the like. 157,476, Feb. 28.
Fantaccione, Luca, Attleboro, Mass. Faceplate for a belt buckle or the like. 157,477, Feb. 28.
Fantel, Paul, Asbury Park, N. J. Bottle. 158,365, May 2.
Fantel, Paul, Asbury Park, N. J. Bottle. 158,366, May 2.
Fantel, Paul, Asbury Park, N. J. Bottle. 158,367, May 2.
Fantel, Paul, Asbury Park, N. Y. Bottle. 158,450, May 9.
Farber, S. W., Inc., assignee: *See*— Biehayn, William P. Foster, Hoyt K.
Fargo, Frank M., Windsor Hills, Calif. Floor mat. 160,698, Oct. 31.
Fargo Mfg. Company, Inc., assignee: *See*— Becker, Stephen P., Schoonmaker, and Wengen.
Farkas, John, Jr., Chicago, Ill. Chair. 157,478, Feb. 28.
Farnsworth, Herbert, Norwalk, Conn., assignor to I. Zendman, III, New York, N. Y. Lace. 161,095, Dec. 5.
Farrell, Thomas, assignor to Starr Productions, Chicago, Ill. Fruit receptacle or similar article. 156,946, Jan. 24.

Fath, Jacques, Paris, France, assignor to Weinreich Brothers Company, New York, N. Y. Earring or similar article. 157,358, Feb. 21.
Fath, Jacques, Paris, France, assignor to Weinreich Brothers Company, New York, N. Y. Earring or similar article. 158,845, June 6.
Fath, Jacques, Paris, France, assignor to Weinreich Brothers Company, New York, N. Y. Necklace or similar article. 159,327, July 18.
Fath, Jacques, Paris, France, assignor to Weinreich Brothers Company, New York, N. Y. Bracelet or similar article. 160,152, Sept. 19.
Faught, Millard C., New York, N. Y. Child's crib. 159,604, Aug. 8.
Faust, Joseph V., assignor to National Machine Company, St. Louis, Mo. Chair. 156,947, Jan. 24.
Faustman, John C., Baltimore, Md. Hand puppet. 160,584, Oct. 24.
Favia, Dominic, Brooklyn, N. Y. Lollipop stand. 160,486, Oct. 17.
Favilla, Lodovico, Boston, Mass. Lounging chair. 158,059, Apr. 11.
Fawick Flexi-Grip Company, assignee: *See*— Karns, James A.
Fay, Kenneth C., assignor to Parfumerie de Raymond, New York, N. Y. Hairbrush. 157,248, Feb. 14.
Fazzari, Arthur, assignee: *See*— Butherus, Richard R.
Fearless Camera Company, Incorporated, assignee: *See*— Wilcox, Ray C., and Dalton.
Feder, William M., New York, N. Y. Plastic sheet or similar article. 159,479, Aug. 1.
Federal Enterprises, Inc., assignee: *See*— Gosswiller, Earl W.
Federal Manufacturing & Engineering Corp., assignee: *See*— Kaplowitz, Morris, and Hirsch.
Feerick, Frank P., Brighton, N. Y. Expansible slipper for children. 158,948, June 13.
Feigl, Charles, New York, N. Y. Handbag. 157,852, Mar. 28.
Feirberg, Ruth S., assignor to Stephen Rug Mills, Inc., New York, N. Y. Carpet or similar article. 160,153, Sept. 19.
Feist, Herbert B., Ripley, Tenn. Display stand. 157,746, Mar. 21.
Feist, Herbert B., Ripley, Tenn. Display stand. 157,747, Mar. 21.
Feldman, Abrom L., and I. Schneid, assignors to Puritan Sales Company, Atlanta, Ga. Room humidifier. 160,310, Oct. 3.
Feldman, Julius J.: *See*— Feldman, Philip L., and J. J.
Feldman, Philip L. and J. J., Brooklyn, N. Y. Hors-d'oeuvre tray. 157,948, Apr. 4.
Feldman, Philip L. and J. J., Brooklyn, N. Y. Hors-d'oeuvre tray. 157,949, Apr. 4.
Felts, Hildred C., and L. T. Bosserman, Tampa, Fla. Fishing tackle box. 158,368, May 2.
Femina, Felice D., assignor to V. La Rosa & Sons, Inc., Brooklyn, N. Y. Macaroni. 161,252, Dec. 19.
Fenlason, Donna L., Scarsdale, N. Y. Shoe or similar article. 158,653, May 23.
Ferar, Montgomery: *See*— Sundberg, Carl W., and Ferar.
Ferguson, Ernest, Leominster, Mass. Tie rack. 160,585, Oct. 24.
Ferguson, Robert O., Bristol, Tenn., assignor of one-half to Bristol Steel & Iron Works, Inc., Bristol, Va. Traffic signal. 158,369, May 2.
Ferguson, Robert O., Bristol, Tenn., assignor of one-half to Bristol Steel & Iron Works, Inc., Bristol, Va. Traffic signal. 158,451, May 9.
Ferguson, Robert O., Bristol, Tenn., assignor of one-half to Bristol Steel & Iron Works, Inc., Bristol, Va. Traffic signal. 159,145, June 27.
Ferguson, Robert O., Bristol, Tenn., assignor of one-half to Bristol Steel & Iron Works, Inc., Bristol, Va. Traffic signal. 159,146, June 27.
Ferguson, Robert O., Bristol, Tenn., assignor of one-half to Bristol Steel & Iron Works, Inc., Bristol, Va. Traffic signal. 159,259, July 11.
Ferguson, Robert O., Bristol, Tenn., assignor of one-half to Bristol Steel & Iron Works, Inc., Bristol, Va. Traffic signal for a divided highway. 159,328, July 18.
Ferguson, Robert O., Bristol, Tenn., assignor of one-half to Bristol Steel & Iron Works, Inc., Bristol, Va. Traffic signal for a divided highway. 159,329, July 18.
Ferguson, Robert O., Bristol, Tenn., assignor of one-half to Bristol Steel & Iron Works, Inc., Bristol, Va. Traffic island signal. 159,480, Aug. 1.
Ferguson, Robert O., Bristol, Tenn., assignor of one-half to Bristol Steel & Iron Works, Inc., Bristol, Va. Traffic island signal. 159,481, Aug. 1.
Ferrin, Lester T., Tonasket, Wash. Outdoor fireplace. 158,949, June 13.
Ferris, Chauncey W., Ann Arbor, Mich. Combination house number and doorbell unit. 156,718, Jan. 3.
Fetterer, Ellie M., Sheboygan, Wis. Sachet. 157,479, Feb. 28.
Fettinger, John G., Utica, assignor to Robert Gair Company, Inc., New York, N. Y. Display carton. 158,370, May 2.
Feuerman, Arnold I., Detroit, Mich. Keyhole illuminator. 157,035, Jan. 31.
Feyrer, William F., Englewood, N. J. Hairpin dispenser. 159,260, July 11.
Feyrer, William F., Englewood, N. J., assignor to Solo Products Corporation. Combined tray and bobby pin opener. 160,079, Sept. 12.
Feyrer, William F., assignor to N. L. Solomon, Englewood, N. J. Frontpiece for a hair ornament. 160,311, Oct. 3.
Fiechter, John J., Willow Grove, Pa. Garment hanger hook. 159,261, July 11.
Fields, Mack R., Libertyville, assignor to Abbott Laboratories, North Chicago, Ill. Oral inhalator. 156,719, Jan. 3.
Fields, Mack R., Libertyville, assignor to Abbott Laboratories, North Chicago, Ill. Nasal inhalator. 156,720, Jan. 3.
Finch, Leonard E.: *See*— Kircher, Ralph N., and Finch.
Finch, Leonard E., assignor to West Bend Aluminum Co., West Bend, Wis. Egg rack. 160,379, Oct. 10.
Finch, Leonard E., assignor to West Bend Aluminum Co., West Bend, Wis. Cooking apparatus. 160,932, Nov. 21.
Finch, Percy R., assignor of one-half to G. O. Rose, Chicago, Ill. Nursing bottle adapter cap. 160,487, Oct. 17.
Fink, Peter: *See*— Buckingham, John D., and Fink.
Fink, Peter, assignor to Lucien Lelong, Inc., Chicago, Ill. Decanter or similar article. 160,778, Nov. 7.
Fink, Peter, assignor to Lucien Lelong, Inc., Chicago, Ill. Decanter or similar article. 160,779, Nov. 7.
Finkel, Julius, Brooklyn, N. Y. Lightning arrester. 159,330, July 18.
Fischer, Otto, Corona, assignor, by mesne assignments, to American Machine and Metals, Inc., New York, N. Y. Flush mounted instrument case. 160,699, Oct. 31.
Fisher, Bruce & Company, assignee: *See*— Muench, Toni O.
Fisher, David, Los Angeles, assignor to Washmobile Corporation, Beverly Hills, Calif. Vehicle washing machine. 158,371, May 2.
Fisher, Frederic H., assignor to Syracuse Ornamental Co., Inc., Syracuse, N. Y. Display support. 158,185, Apr. 18.
Fisher, Frederic H., assignor to Crestwood Products Co. Inc., Syracuse, N. Y. Clock casing. 161,169, Dec. 12.
Fisher, James B., Waukesha, Wis. Toy vehicle. 157,036, Jan. 31.
Fisher, John M.: *See*— Bjoro, Edvin F., and Fisher.
Fisher, Raymond J., Racine, Wis. Fish lure. 158,846, June 6.
Fisher, Samuel, Newark, N. J. Table lighter. 158,654, May 23.
Fisher, Suzanne C., Flushing, N. Y. Tampon container. 156,948, Jan. 24.
Fitzgerald, Maurice F., assignor to Son-Chief Electrics, Incorporated, Winsted, Conn. Electric toaster. 161,096, Dec. 5.
Fixler Bros., assignee: *See*— Slepski, Clara R.
Flamand, Albert, Paris, France. Combined bracelet and lipstick holder. 160,154, Sept. 19.
Flamand, Albert, Paris, France. Combined bracelet and cosmetic container. 160,155, Sept. 19.
Flanagan, Charley T., Henderson, Tenn. Shock absorber for bicycles. 157,853, Mar. 28.
Flanigan, Clifford H., New Albany, Ind. Power mower. 158,847, June 6.
Flato, Paul, New York, N. Y. Compact or similar article. 157,579, Mar. 7
Flato, Paul, New York, N. Y. Compact or similar article. 157,854, Mar. 28.
Flato, Paul E., New York, N. Y. Compact or similar article. 159,605, Aug. 8.
Flato, Paul E., New York, N. Y. Compact or similar article. 159,606, Aug. 8.
Flato, Paul E., New York, N. Y. Compact or similar article. 159,965, Sept. 5.
Flato, Paul E., New York, N. Y. Compact or similar article. 160,700, Oct. 31.
Flato, Paul E., assignor to Elizabeth Arden Sales Corporation, New York, N. Y. Compact or similar article. 161,011, Nov. 28.
Flatter, Isadore, and M. Carmel, Wembley Park, England. Cradle for a telephone handset. 158,060, Apr. 11.
Fleck, Robert, Jenkintown, assignor to C. H. Masland and Sons, Carlisle, Pa. Carpet. 157,359, Feb. 21.
Fleming, Jack F., Scarsdale, N. Y., assignor to Sterling Plastics Company, Union, N. J. Date stamp casing. 158,186, Apr. 18.
Fleming, Jack F., Scarsdale, N. Y., assignor to Sterling Plastics Company, Union, N. J. Liquid container. 160,080, Sept. 12.
Fleming, Jasper W., Kansas City, Mo. Game board. 158,950, June 13.
Fleming, Mary P., Fulton, assignor to Oneida Ltd., Oneida, N. Y. Spoon or similar article. 157,037, Jan. 31.
Fletcher, Lynn, assignor to Lowell Specialty Company, Lowell, Mich. Dusting gun nozzle. 158,734, May 30.
Fletcher Manufacturing Company, assignee: *See*— Pease, Paul M.
Fleuridas, André, Westport, Conn., assignor to Mazar Bros., Inc. Earring or similar article. 157,360, Feb. 21.

Fleuridas, André, Westport, Conn., assignor to Mazer Bros., Inc. Earring or similar article. 159,966, Sept. 5.
Fleuridas, André, Westport, Conn., assignor to Mazer Bros., Inc. Earring or similar article. 159,967, Sept. 5.
Fleuridas, André, Westport, Conn., assignor to Mazer Bros., Inc. Earring or similar article. 159,968, Sept. 5.
Fleuridas, André, Westport, Conn., assignor to Mazer Bros., Inc. Earring or similar article. 159,969, Sept. 5.
Fleuridas, André, Westport, Conn., assignor to Mazer Bros., Inc. Earring or similar article. 159,970, Sept. 5.
Fleuridas, André, Westport, Conn., assignor to Mazer Bros., Inc. Earring or similar article. 159,971, Sept. 5.
Fleuridas, André, Westport, Conn., assignor to Mazer Bros., Inc. Earring or similar article. 159,972, Sept. 5.
Flex-Let Corporation, assignee: *See*—
Vastano, Joseph J.
Flo-Ball Pen Corporation, assignee: *See*—
Stupell, Leo K., and Sabel.
Florence Stove Company, assignee: *See*—
Kruck, Ralph E.
Florian, Gordon W., Bridgeport, assignor to The Nicholas Company, Hartford, Conn. Beverage dispenser. 158,570, May 16.
Florman, Irving, New York, N. Y. Combined cigarette lighter and clock. 156,875, Jan. 17.
Florman, Irving, New York, N. Y. Combination atomizer and cigarette lighter or the like. 157,038, Jan. 31.
Florman, Irving, New York, N. Y. Cigarette lighter. 158,735, May 30.
Fluke, Rothwell R., assignor to The Buckeye Plastic Corporation, Cleveland, Ohio. Level. 157,855, Mar. 28.
Foley-Manufacturing Company, assignee: *See*—
Barbery, Lucille M.
Foley, Michael T., Madison, Wis. Bug deflecting hood ornament. 159,973, Sept. 5.
Folgeman, Arthur D., assignee: *See*—
Winter, Louis.
Follen, James H., Spring Lake, Mich. Automobile exhaust pipe terminal. 158,848, June 6.
Fonderies Nestor Martin, Societe Anonyme, assignee: *See*—
Desguin, Henri, and Sauvage.
Foor, Raymond H., Los Angeles, Calif. Key. 160,157, Sept. 19.
Ford, W. B., Design Corporation, assignee: *See*—
Melzian, Harley H.
Ford, Wade O., San Angelo, Tex. Truck body. 157,361, Feb. 21.
Formaid Co., assignee: *See*—
Sachs, Charles M.
Forman, Mack, Providence, R. I., assignor to Marathon Company. Combined cigarette case and lighter. 156,949, Jan. 24.
Form Flex Foundations, Inc., assignee: *See*—
Zimmerman, Lester.
Formhals, Duchess E., Cleveland, Ohio. Holder for sewing accessories. 156,950, Jan. 24.
Formica Company, The, assignee: *See*—
Sanders, Morris.
Fornberg, John B.: *See*—
Carr, Hartman, and Fornberg.
Forrest, Preston J., Pleasant Ridge, and H. C. Wiechman, Detroit, Mich., assignors to United States Rubber Company, New York, N. Y. Pneumatic tire. 157,135, Feb. 7.
Forster, Emanuel: *See*—
Turner, Ben, and M. and E. Forster.
Forster, Milton: *See*—
Turner, Ben, and M. and E. Forster.
Forster, Rosalie, Long Island City, N. Y. Towel. 157,136, Feb. 7.
Fort Howard Paper Company, assignee: *See*—
Boucher, Wilbur J.
Fortuna, Bruno, North Bergen, N. J. Candy dish. 160,701, Oct. 31.
Foss, Samuel D., assignor to Nichols-Foss Packing Co., Bay City, Mich. Grill. 157,480, Feb. 28.
Foster Grant Co., Inc., assignee: *See*—
Foster, Joseph C.
Richards, Harry C.
Ulvad, Bernard.
Watkins, Joseph R.
Foster, Harry G., Charlevoix, Mich. Snow scooter. 157,137, Feb. 7.
Foster, Hoyt K., Hollis, assignor to S. W. Farber, Inc., New York, N. Y. Handle for coffee makers. 160,849, Nov. 14.
Foster, Joseph C., assignor to Foster Grant Co., Inc., Leominster, Mass. Display box for crayons and the like. 159,331, July 18.
Foster, Joseph C., assignor to Foster Grant Co., Inc., Leominster, Mass. Powder box or the like. 160,156, Sept. 19.
Foster, Joseph C., assignee to Foster Grant Co., Inc., Leominster, Mass. Comb. 160,586, Oct. 24.
Foster, Leon H., Brooklyn, N. Y. Illuminable display device. 161,012, Nov. 28.
Foster Metal Products Incorporated, assignee: *See*—
Boots, William C.
Fostoria Glass Company, assignee: *See*—
Bottome, Edgar M.
Heintze, Walter T.
Heintze, Walter T., and Donahue.
Helms, Frank R.
Sakier, George.
Yutzey, Marvin G.
Foulke, Louise M. J., Brooklyn, N. Y. Pot scraper. 157,481, Feb. 28.
Foulke, Louise M. J., Brooklyn, N. Y. Children's play vehicle. 158,061, Apr. 11.
Fowler, William D., assignor to Shuron Optical Company, Inc., Geneva, N. Y. Machine for generating spherical surfaces on articles. 160,933, Nov. 21.
Fox, Alexander P., University City, and A. D. Reisert, assignors to Lincoln Engineering Company, St. Louis, Mo. Tool cabinet. 157,482, Feb. 28.
Fox, Alexander P., University City, and A. D. Reisert, assignors to Lincoln Engineering Company, St. Louis, Mo. Mechanic's workbench. 157,748, Mar. 21.
Fox, Alexander P., University City, and A. D. Reisert, assignors to Lincoln Engineering Company, St. Louis, Mo. Combined tool cabinet and workbench. 157,856, Mar. 28.
Fox, Florian J., Stratford, H. A. Williams, Trumbull Township, Fairfield County, and R. A. Sherman, Jr., Fairfield, Conn. Soft speaker for dictating machines. 157,138, Feb. 7.
Fox, Philip, Bala, Pa. Jewel case. 157,139, Feb. 7.
Fox West Coast Theatres Corporation, assignee: *See*—
Chavalas, William.
Krappman, Andrew J.
Foye, John J., Jr., Old Greenwich, assignor to Products Development, Incorporated, Stratford, Conn. Pair of scissors or similar article. 159,057, June 20.
Foye, Robert C., Watertown, Mass. Baseball team standing indicator. 159,058, June 20.
Frackman, Hy, New York, N. Y. Jewelry finding. 159,410, July 25.
Frackman, Hy, New York, N. Y. Display device for finger rings. 160,158, Sept. 19.
Fragola, Caesar F.: *See*—
Pine, Cecil C., Bostwick, Fragola, and Nesbitt.
Fraim, Joseph A., Norfolk, Va. Garden tool. 156,876, Jan. 17.
Frampton, Henry G., Miami, Fla. Desk ornament or a similar article. 157,580, Mar. 7.
Francis, Edward J., Paterson, N. J. Bowling game board. 160,850, Nov. 14.
Francis, Lucy F., Richmond, Va. Hanger. 158,062, Apr. 11.
Francis, Mary A., Highland Park, Mich. Vanity cabinet or the like. 157,362, Feb. 21.
Franck, Marcel, New York, N. Y. Atomizer. 160,702, Oct. 31.
Frank, Estelle, New York, N. Y. Charm or similar article. 157,581, Mar. 7.
Frank, James D., Denver, Colo. Lighter than air airship. 158,736, May 30.
Frankel, Gustave, assignor to Holeproof Hosiery Company, Milwaukee, Wis. Slippersock. 161,097, Dec. 5.
Frankel, Samuel H., assignor to Cory Corporation, Chicago, Ill. Lid for a beverage brewer. 157,363, Feb. 21.
Franklin, Donald, assignor to D. and S. Franklin, co-partners, doing business as DeLuxe Engraving Co., Chicago, Ill. Cigarette package holder. 157,483, Feb. 28.
Franklin, Robert L., assignor to B. S. Ebersole, San Francisco, Calif. Printing plate cabinet. 159,411, July 25.
Franklin, Robert L., assignor to B. S. Ebersole, San Francisco, Calif. Cabinet for printing plates. 159,412, July 25.
Franklin, Stephens, assignee: *See*—
Franklin, Donald.
Frawley, John R.: *See*—
Frawley, William E., Jr., and John R.
Frawley, William E., Jr., and J. R. Frawley, Birmingham, Ala. Combination bottle opener and nut cracker. 157,857, Mar. 28.
Frazier, Nalbro, New York, N. Y. Combined camera stand and photographic lamp holder. 160,587, Oct. 24.
Frechtmann, Jean, New York, N. Y. Flexible plastic trimming or the like. 159,147, June 27.
Frederick, Charles H., assignor to Ingram-Richardson Manufacturing Company, Beaver Falls, Pa. Table top or similar article. 158,849, June 6.
Freeman, Alfred W., Jackson Heights, N. Y. Film pack adapter for developing tanks. 160,488, Oct. 17.
Freeman, Antony P., San Francisco, Calif. Teapot or the like. 161,253, Dec. 19.
Freedman, Leonard I., New York, N. Y. Leather or similar article. 160,159, Sept. 19.
Freethey, Albert S., Corpus Christi, Tex. Combination desk unit. 158,655, May 23.
Freitag, Ellen, Long Island, N. Y. Textile fabric. 157,039, Jan. 31.
French Jewelry Co., assignee: *See*—
Castiglioni, Attilio.
Freshley, Robert H., South Bend, Ind. Liquor measuring glass. 157,364, Feb. 21.
Freudenberg, Walter, Charleston, S. C. Combination watch stand and jewelry holder. 161,327, Dec. 26.
Freyer, Nathan, assignee: *See*—
Leventhal, Louis.

Frick, Chester A., Glendale, assignor to L. M. Harvey, Los Angeles, Calif. Vending machine. 157,582, Mar. 7.
Frick, Chester A., Glendale, assignor to L. M. Harvey, Los Angeles, Calif. Coin-controlled vending machine. 157,583, Mar. 7.
Fridinger, Marie, Vienna, Austria. Separable basket or similar article. 156,877, Jan. 17.
Fridinger, Marie, Vienna, Austria. Decorative centerpiece or similar article. 156,878, Jan. 17.
Fridinger, Marie, Vienna, Austria. Separable Christmas tree or similar article. 161,170, Dec. 12.
Friedlob, Fred M., Chicago, Ill. Bicycle engine. 161,328, Dec. 26.
Friedman, Anna, New York, N. Y. Petticoat. 160,780, Nov. 7.
Friedman, George J.: *See*—
Friedman, Philip and G. J.
Friedman, Hugo, assignor to Hu-Friedy, Inc., Chicago, Ill. Handle for dental instruments. 160,160, Sept. 19.
Friedman, Morris, Brooklyn, assignor to To Market, Inc., New York, N. Y. Box or similar article. 159,197, July 4.
Friedman, Philip and G. J., Brooklyn, N. Y. Automobile door handle. 160,489, Oct. 17.
Friedrich, Robert, Jr., Sewell, N. J. Stocking. 158,850, June 6.
Friedrich, Robert, Jr., Sewell, assignor to L'Opera Hosiery Mills, Inc., Glassboro, N. J. Stocking. 160,588, Oct. 24.
Friend, Ralph L., assignor to Ramode, Inc., Cleveland, Ohio. Awning. 161,254, Dec. 19.
Friess, Albert H., New York, N. Y. Goggle frame front. 158,656, May 23.
Frontier Aircraft Corporation, assignee: *See*—
Salisbury, Frank M.
Fuller Brush Company, The, assignee: *See*—
Wild, Edward.
Fuller, Paul M., Oneida, N. Y. Platform for silverware. 160,312, Oct. 3.
Fuller, Paul M., Oneida, N. Y. Platform for silverware. 160,313, Oct. 3.
Fuller, Paul M., Oneida, N. Y. Platform for silverware. 160,314, Oct. 3.
Fulton, Louis E., Houston, Tex. Telephone shelf. 157,365, Feb. 21.
Fulton, Rosalie S., Denton, Tex. Measuring device. 156,721, Jan. 3.
Gade, Harald F., Philadelphia, assignor to Standard Pressed Steel Co., Jenkintown, Pa. Nut. 157,484, Feb. 28.
Gair, Robert, Company, Inc., assignee: *See*—
Fettinger, John G.
Galbreath, Robert H., Denver, Colo. Ash tray. 160,934, Nov. 21.
Galinski, Roman: *See*—
Piwczynski, Edward F., and Galinski.
Gallasch, Bernhardt G., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Projection unit for a metallographic microscope. 159,794, Aug. 22.
Gallasch, Bernhardt G., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Microscope. 160,703, Oct. 31.
Galter, Oscar R., Chicago, Ill. Opener for bottles and vacuum sealed jars. 160,081. Sept. 12.
Galter, William R., Chicago, Ill. Pocketbook. 158,657, May 23.
Galter, William R., Chicago, Ill. Figurine or the like. 160,380, Oct. 10.
Galter, William R., Chicago, Ill. Soap disk. 161,329, Dec. 26.
Galter, William R., Chicago, Ill. Butter curler. 161,330, Dec. 26.
Gammal, Ranzy M., Braintree, Mass. Bottle. 156,722. Jan. 3.
Gammon, La Vergne, Bogota, N. J. Hat or the like. 157,485. Feb. 28.
Ganine, Peter, Los Angeles, Calif. Toy animal figure. 158,737, May 30.
Ganine, Peter, Los Angeles, Calif. Toy animal figure. 158,738, May 30.
Ganine, Peter, Los Angeles, Calif. Animal figure. 159,795, Aug. 22.
Ganine, Peter, Los Angeles, Calif. Animal figure. 159,796, Aug. 22.
Gannett, Wright K.: *See*—
Mast, Gifford M., and Gannett.
Ganser, Harry A., New York, N. Y., assignor to Plastic Jewel Co. Inc., West Orange, N. J. Dish or similar article. 156,951, Jan. 24.
Gantner, Edward G., assignee: *See*—
Manetti, Mario J.
Gantz, Jack, Rye, N. Y. Vanity tray. 158,253, Apr. 25.
Garbs, Raymond, Kankakee, Ill. Detachable handle screw driver. 159,482, Aug. 1.
Garcia (Ibarra), Salvador, assignee: *See*—
Abbadie (Brizuela), Luis.
Garcia, Jules S., New York, N. Y. Combined toothbrush, tooth paste, and drinking glass support, or similar article. 157,749, Mar. 21.
Gardenhire, Elsworth W., North Sacramento, Calif. Individual card player's tray. 158,063, Apr. 11.
Gardner-Richardson Company, The, assignee: *See*—
Ringler, William A.
Gardner, Robert F., assignor to S. C. Johnson & Son, Inc., Racine, Wis. Utensil holder. 161,171, Dec. 12.
Garner, René, Elmhurst, and H. Bernzott, Niles, Ill., assignors to Da-Lite Screen Company, Inc. Combined end cap and sleeve for slat for screens. 161,013, Nov. 28.
Garrett, Maurice F., Manhasset, N. Y. Greeting card with compartments for the insertion of panels. 159,974, Sept. 5.
Garvin, Richard H., Chicago, Ill., assignor to Onondaga Pottery Company, Syracuse, N. Y. Dinner plate or similar article. 156,822; Jan. 10.
Garvin, Richard H., Chicago, Ill., assignor to Onondaga Pottery Company, Syracuse, N. Y. Dinner plate or similar article. 161,255, Dec. 19.
Gass, Walter S., Seward, Nebr. Doll collector's cabinet. 158,951, June 13.
Gass, Walter S., Seward, Nebr. Child's crayon and scissors holder. 160,161, Sept. 19.
Gately, Alphonsus P., Long Beach, Calif. Hanger for coat and trousers or similar article. 158,952, June 13.
Gates Rubber Company, The, assignee: *See*—
Ruch, Richard K.
Gatewood, Worth C.: *See*—
Schwartzman, Bernard.
Gay, Fred G., Jr., and R. F. E. Stegeman, Greece, assignors to Bausch & Lomb Optical Company, Rochester, N. Y. Eye protector. 158,064, Apr. 11.
Gayson, Irene, New Britain, Conn. Pair of spectacles. 156,723, Jan. 3.
Gee, Lawrence D., San Diego, Calif. Trailer hitch. 158,372, May 2.
Gee, Yun, New York, N. Y. Tongue and lip holding device for aiding correct English speech. 160,490, Oct. 17.
Geerlings, Gerald K., New Canaan, Conn. Child's spoon. 157,249, Feb. 14.
Geerlings, Gerald K., New Canaan, Conn. Combined child's cup and cover. 158,187, Apr. 18.
Geerlings, Gerald K., New Canaan, Conn., assignor to Remington Rand Inc., New York, N. Y. Typewriter. 160,704, Oct. 31.
Geffen, Bertha, assignor to Barnet Ginsburg & Nat Abelson, Inc., New York, N. Y. Dress ensemble. 157,250, Feb. 14.
Geffen, Bertha, assignor to Barnet Ginsburg & Nat Abelson, Inc., New York, N. Y. Dress ensemble. 157,251, Feb. 14.
Geffen, Bertha, assignor to Barnet Ginsburg & Nat Abelson, Inc., New York, N. Y. Coat dress. 157,750, Mar. 21.
Geffen, Bertha, assignor to Barnet Ginsburg & Nat Abelson, Inc., New York, N. Y. Dress. 157,751, Mar. 21.
Geffen, Bertha, assignor to Barnet Ginsburg & Nat Abelson, Inc., New York, N. Y. Dress. 157,752, Mar. 21.
Geffen, Bertha, assignor to Barnet Ginsburg & Nat Abelson, Inc., New York, N. Y. Lady's suit. 157,858, Mar. 28.
Geier, P. A., Company, The, assignee: *See*—
Martinet, Eugene F., and Morgan.
Schory, Kennery P.
Geisler, Fred J., Chicago, Ill. Combination garment hanger or similar article. 157,040, Jan. 31.
Gelardin, Benjamin, Bronx, N. Y. Suction cup rattle. 161,098, Dec. 5.
Gemex Company, assignee: *See*—
Sand, John F.
General American Transportation Corporation, assignee: *See*—
Thompson, Harlan J.
General Aniline & Film Corporation, assignee: *See*—
Dreyfuss, Henry.
Schoelles, Norman A.
General Electric Company, assignee: *See*—
Beck, George.
BecVar, Arthur N., and Munz.
Bruce, Leo I.
Cherry, Peter W.
Gosweiler, Herbert V., Jr.
Petzold, William B.
Wesche, Arthur C.
General Electric Company Limited, The, assignee: *See*—
Kingsnorth, Robert J.
General Hardware Mfg. Co. Inc., assignee: *See*—
Polkosnik, Bernard L.
General Mills, Inc., assignee: *See*—
Polivka, John N.
Polivka, John N., Scharfenberg, and Butterfield.
General Motors Corporation, assignee: *See*—
Boca, Albert A.
Gonas, Albert J.
Graham, Clare H.
Haviland, Glenford M.
Lauer, Robert J.
Loewy, Raymond.
Mitchell, William L.
Nickles, Ned F.
Otto, Carl L.
Ross, Arthur.
General Parts and Service, assignee: *See*—
Wallace, Maxwell O.
General Radio Company, assignee: *See*—
Littlejohn, Henry C.
General Time Corporation, assignee: *See*—
Schlenker, Max E.

General Tire & Rubber Company, The, assignee: *See*— Anderson, George W.

Genge, Harold T.: *See*— Hampe, John C., and Genge.

Genovese, Nicholas, Brooklyn, N. Y. Child's crib. 161,099, Dec. 5.

George, Nellie I., San Francisco, Calif. Combined hair curler and comb. 158,065, Apr. 11.

Gerding, Frank E., Cincinnati, Ohio. Pin-on flashlight. 159,607, Aug. 8.

Gerdodian, Stevens, Fresno, Calif. Heel and soleplate for shoes. 161,331, Dec. 26.

Gerhardt, Andrew H., Skokie, assignor to Thor Corporation, Chicago, Ill. Combination sink and washing machine. 160,381, Oct. 10.

Germanow Simon Machine Co., Inc., assignee: *See*— Gross, Julian.

Geromanos, George W., assignor to Geromino Toy Company, Inc., Rahway, N. J. Toy animal figure. 158,254, Apr. 25.

Geromanos, George W., assignor to Geromino Toy Company, Inc., Rahway, N. J. Toy animal figure. 158,255, Apr. 25.

Geromanos, George W., assignor to Geromino Toy Company, Inc., Rahway, N. J. Toy animal figure. 158,256, Apr. 25.

Geromanos, George W., assignor to Geromino Toy Company, Inc., Rahway, N. J. Toy animal figure. 158,257, Apr. 25.

Geromanos, George W., assignor to Geromino Toy Company, Inc., Rahway, N. J. Toy animal figure. 158,258, Apr. 25.

Geromanos, George W., assignor to Geromino Toy Company, Inc., Rahway, N. J. Toy animal figure. 158,259, Apr. 25.

Geromanos, George W., assignor to Geromino Toy Company, Inc., Rahway, N. J. Toy animal figure. 158,260, Apr. 25.

Geromanos, George W., assignor to Geromino Toy Company, Inc., Rahway, N. J. Toy animal figure. 158,261, Apr. 25.

Geromino Toy Company, Inc., assignee: *See*— Geromanos, George W.

Gerson, Samuel L., Vineland, N. J. Bar utensil. 160,082, Sept. 12.

Gerson, Samuel L., Vineland, N. J. Brush cabinet. 161,014, Nov. 28.

Gerth, Ruth, San Francisco, Calif. Flower support. 157,366, Feb. 21.

Gerth, Ruth, San Francisco, Calif. Desk cabinet. 158,066, Apr. 11.

Gerth, William H., assignor to Oneida Ltd., Oneida, N. Y. Spoon or similar article. 157,041, Jan. 31.

Gerth, William H., assignor to Oneida Ltd., Oneida, N. Y. Spoon or similar article. 159,262, July 11.

Gerth, William H., assignor to Oneida Ltd., Oneida, N. Y. Spoon or similar article. 159,263, July 11.

Gessler, Harry C., Brooklyn, N. Y., assignor to Medco Products Co. Inc., North Bergen, N. J. Measuring cap for a jar. 159,797, Aug. 22.

Gessler, Harry C., Brooklyn, N. Y., assignor to Medco Products Co. Inc., North Bergen, N. J. Jar for dispensing ground coffee. 159,798, Aug. 22.

Gessler, Harry C., Brooklyn, N. Y., assignor to Medco Silver Co. Inc. Plastic cutlery receptacle tray. 159,900, Aug. 29.

Getgey, John J., assignor to Empire Ironer, Inc., Cincinnati, Ohio. Combined ironer and stand. 157,140, Feb. 7.

Gettelman, Gilbert C., Hartford, Wis. Beverage heating appliance. 156,724, Jan. 3.

Gettelman, Gilbert C., Hartford, Wis. Beverage heating appliance. 156,725, Jan. 3.

Gettelman, Gilbert C., Hartford, Wis. Beverage heating appliance. 156,726, Jan. 3.

Gettelman, Gilbert C., Hartford, Wis., assignor, by mesne assignments, to Hamilton Watch Company, Lancaster, Pa. Display clock. 157,584, Mar. 7.

Gettelman, Gilbert C., Hartford, Wis., assignor to Teletype Corporation, Chicago, Ill. Printing telegraph apparatus cabinet. 159,799, Aug. 22.

Gettelman, Gilbert C., Hartford, Wis., assignor to Teletype Corporation, Chicago, Ill. Printing telegraph apparatus cabinet. 159,800, Aug. 22.

Gibson, Allen R., assignee: *See*— Chance, Charles W.

Giese, Albert J., Denver, Colo. Flowerpot holder or similar article. 160,781, Nov. 7.

Gilbert & Barker Manufacturing Company, assignee: *See*— Grimmeisen, Herman O.

Gilbert, Felix, assignor to B. J. Shapiro, New York, N. Y. Viewer for a continuous moving strip of film. 160,589, Oct. 24.

Gilbert Plastics, Inc., assignee: *See*— Klein, Philip.

Gilkison Manufacturing Co., The, assignee: *See*— Gilkison, Norman C.

Gilkison, Norman C., assignor to The Gilkison Manufacturing Co., Elyria, Ohio. Desk set. 159,975, Sept. 5.

Gill, Charles G., and E. F. Gill, Woburn, Mass. Finger ring. 156,952, Jan. 24.

Gill, Donald W., Cincinnati, assignor to The Frank F. Taylor Company, Norwood, Ohio. Velocipede. 158,452, May 9.

Gill, Edward F.: *See*— Gill, Charles G. and E. F.

Gillespie, William L., Seattle, Wash. Chain saw. 160,851, Nov. 14.

Gillette, Erving R., Twentynine Palms, Calif. Condiment container holder. 161,015, Nov. 28.

Gillette Safety Razor Company, assignee: *See*— Shnitzler, Meyer J.

Gillis, George H., Fitchburg, Mass. Shoe. 158,953, June 13.

Gilman, Therese, New York, N. Y. Utility cap or the like. 159,801, Aug. 22.

Gilmore, Burdette B., Pelham Manor, N. Y. Table lamp or similar article. 161,256, Dec. 19.

Gilmore, Chace D., Chester County, near West Chester, Pa. Toy catapult. 160,257, Sept. 26.

Gilmore, Virginia J., San Francisco, Calif. Slipper. 158,954, June 13.

Gimble, Irving, and D. Musano, New York, N. Y. Brassière. 158,851, June 6.

Gimble, Irving, and D. Musano, New York, N. Y. Brassière. 159,148, June 27.

Ginsburg, Barnet, & Nat Abelson, Inc., assignee: *See*— Abrams, Miriam. Geffen, Bertha.

Giovagnoni, Violet, New York, N. Y. Negligee. 158,739, May 30.

Giovagnoni, Violet, New York, N. Y. Negligee. 158,740, May 30.

Girs, Anatol, Detroit, Mich. Printing type font. 160,852, Nov. 14.

Gist, E. W., assignee: *See*— Marshall, Houston B., and Baker.

Gitz, John: *See*— Boyajian, Alfred Z., Gitz, and Spencer.

Glade, John M., Bellflower, Calif. Electric hand drill saw attachment. 159,723, Aug. 15.

Glaeser, Henry A., Wilmington, Del. Combined lamp and telephone stand. 160,935, Nov. 21.

Glamb, Stanley L., assignor to Dual Remote Control Co., Inc., Wayne, Mich. Sidecar attachment for bicycles. 158,453, May 9.

Glamb, Stanley L., assignor to Dual Remote Control Co., Inc., Wayne, Mich. Offset tandem tricycle. 158,454, May 9.

Glamb, Theodore D., assignor to Dual Remote Control Co., Inc., Wayne, Mich. Chariot type tricycle. 158,455, May 9.

Glass, Marvin, assignor to Grove & Glass, Inc., Chicago, Ill. Combined rack and child's eating implements. 159,149, June 27.

Glass, Marvin, Chicago, Ill. Goblet. 159,724, Aug. 15.

Glass, Sheldon B., Chicago, Ill. Combined wrist watch and holding strap therefor. 157,667, Mar. 14.

Glassman, Richard, San Francisco, Calif., assignor to Kenlit Mfg. Co., Medford, Mass. Baby sit-up cushion. 159,483, Aug. 1.

Gleason, John P., Mfg. Company: *See*— Chiniquy, Germain A.

Gleason, Lorine V., assignee: *See*— Chiniquy, Germain A.

Glen Raven Knitting Mills, Inc., assignee: *See*— Rogers, Arthur H.

Glickman, Mannes N., and M. Klebanoff, Nutley, N. J. Metal glass seal or similar article. 160,853, Nov. 14.

Globe Ring Co., assignee: *See*— Nesselroth, Frances R.

Glosband, Leon, Swampscott, Mass. Clock case or similar article. 159,902, Aug. 29.

Glosios, Jean, New York, N. Y. Girdle or the like. 160,162, Sept. 19.

Glover, Bill, Incorporated, assignee: *See*— Glover, William C., Jr.

Glover, William C., Jr., Kansas City, Mo., assignor to Bill Glover, Incorporated. Spotting machine. 157,753, Mar. 21.

Gloversville Knitting Co., assignee: *See*— Lamb, Albert.

Glowacki, Matthew P., Chicago, Ill. Filter for coffee makers. 157,468, Feb. 28.

Gluck, Jack, New York, N. Y. Textile fabric. 160,936, Nov. 21.

Glukes, Bernard R., North Hollywood, Calif. Kitchen utensil rack. 156,823; Jan. 10.

Glukes, Bernard R., Los Angeles, Calif. Package carrying handle. 157,859, Mar. 28.

Goding, John E., Ontario, Calif. Fried chicken supporting rack or similar article. 158,262, Apr. 25.

Godfried, Samuel, assignor to Godfried Underwear Co., Inc., New York, N. Y. Slip. 161,016, Nov. 28.

Godfried Underwear Co., Inc., assignee: *See*— Godfried, Samuel.

Godschalk, Jacques L., Chicago, Ill. Cabinet bed. 159,608, Aug. 8.

Goetsch, Gerald L., Hartley, Iowa. Skirt and garment hanger. 156,953, Jan. 24.

Goetz, Joseph F., Dayton, Ohio. Musical toy. 161,017, Nov. 28.

Goings, Harford E., assignee: *See*—
Lipe, Howard A.
Goldberg, Aaron S., assignor to Bunting Glider Company, Philadelphia, Pa. Table. 159,609, Aug. 8.
Goldberg, Chester K., Phoenix, Ariz. Textile fabric. 159,059, June 20.
Goldberg, Hermine, assignor of one-half to R. D. Goldberg, Omaha, Nebr. Dog muzzle or similar article. 157,252, Feb. 14.
Goldberg, Ralph D., assignee: *See*—
Goldberg, Hermine.
Golden, Dora E.: *See*—
Cole, Jeanette S., and Golden.
Goldfield, Edwin R., and R. J. Stava, University Heights, assignors to Picker X-Ray Corporation, Waite Manufacturing Division, Inc., Cleveland, Ohio. X-ray apparatus. 161,100, Dec. 5.
Goldinger, Harry, Textile Corporation, assignee: *See*—
Wayne, Phyllis.
Goldman, Leonard H., Phoenix, Ariz. Advertising cabinet. 160,937, Nov. 21.
Goldman, Maurice, assignor to Dispensers, Inc., Los Angeles, Calif. Combined dispenser and closure for a container. 160,491, Oct. 17.
Goldman, Sylvan N., Oklahoma City, Okla. Store service truck. 159,976, Sept. 5.
Goldner, Hervé H., New York, N. Y. Clockcase. 158,852, June 6.
Goldstein, Arnold, Allentown, assignor to Keystone Lamp Mfg. Corp., Slatington, Pa. Combined ash tray, tobacco humidor, pipe rack and stand. 157,860, Mar. 28.
Goldstein, Leon P., assignee: *See*—
Selznick, Phillip.
Goldstein, Morry, assignee: *See*—
Schmidt, Oscar.
Goldstein, Nathan D., Buffalo, N. Y. Game board. 157,950, Apr. 4.
Goldstein, Walter, New York, N. Y. Front for a spectacle frame. 159,901, Aug. 29.
Goldstein, Saul, Los Angeles, Calif. Apron. 160,382, Oct. 10.
Goldstine, Lee M., Chicago, Ill., and L. A. Hunting, Independence, Mo., said Hunting assignor to said Goldstine. Wind deflector. 160,854, Nov. 14.
Goldstine, Lee M., Chicago, Ill., and L. A. Hunting, Independence, Mo., said Hunting assignor to said Goldstine. Wind deflector. 160,855, Nov. 14.
Gonas, Albert J., assignor to General Motors Corporation, Detroit, Mich. Automotive vehicle inside door handle. 161,018, Nov. 28.
Gonas, Albert J., assignor to General Motors Corporation, Detroit, Mich. Automotive vehicle window regulator handle. 161,019, Nov. 28.
Goodale, William G.: *See*—
Croft, William T., and Goodale.
Goode, Godfrey P., Park Hills, Ky., assignor to The Liebel-Flarsheim Company, Cincinnati, Ohio. Electro-surgical cabinet. 159,332, July 18.
Goodman, Abraham, Miami Beach, Fla., assignor to Delamere Company, Inc., Jersey City, N. J. Hair ornament. 159,333, July 18.
Goodman, Abraham, assignor to Franklin Simon & Co., New York, N. Y. Dress. 158,741, May 30.
Goodman, Harry, Britton, Okla. Pump. 160,258, Sept. 26.
Goodman, Harry, Britton, and R. M. Wolfe, assignors to Little Giant Vaporizer Co., Inc., Oklahoma City, Okla. Baking pan for corn sticks, or the like. 157,487, Feb. 28.
Goodman, Herbert N., assignor to Triumph Hosiery Mills, Inc., New York, N. Y. Stocking. 161,332, Dec. 26.
Goodman, Malech M., Hollywood, Calif. Coffee filter. 157,951, Apr. 4.
Goodman, Mildred M., Scranton, Pa. Combination toothbrush and tube holder. 161,257, Dec. 19.
Goodrich, B. F., Company, The, assignee: *See*—
Diller, Alvin L.
Lussier, Joseph A.
Smith, Robert W.
Wilson, Rosa B.
Goodstein, Joseph, New York, N. Y. Bedspread cover or similar article for electrically heated blankets. 160,856, Nov. 14.
Goodstein, Wallace M., San Francisco, Calif. Smoking pipe rack. 158,571, May 16.
Goodyear Rubber Company, The, assignee: *See*—
Kaye, Martin.
Gooken, James B., Corona Del Mar, Calif. Book holder. 161,333, Dec. 26.
Gordenier, Robert E., assignor to Brown & Bigelow, St. Paul, Minn. Desk thermometer. 158,067, Apr. 11.
Gordenier, Robert E., assignor to Brown & Bigelow, St. Paul, Minn Memorandum index 159,977, Sept 5
Gordineer, Percy J., Niagara Falls, N. Y. Garden tool or similar article. 159,334, July 18.
Gordon, Alexander M., assignor to Max L. Grant, Providence, R. I. Coin receiving device. 157,367, Feb. 21.
Gordon, Barnett D., Brookline, Mass. Stocking. 160,590, Oct. 24.
Gordon, Barnett D., Brookline, Mass. Stocking. 160,591, Oct. 24.
Gordon, Barnett D., Brookline, Mass. Stocking. 160,592, Oct. 24.
Gordon, Barnett D., Brookline, Mass. Stocking. 160,593, Oct. 24.
Gordon, Leo, Nutley, assignor to Specialties Development Corporation, Belleville, N. J. Dry powder fire extinguisher or similar article. 158,263, Apr. 25.
Gordon, Martha C., assignee: *See*—
Backie, John L.
Gordon, Max, New York, N. Y. Blouse or similar article. 160,857, Nov. 14.
Gordon, Melvin J., assignee: *See*—
Wilcher, Abrasha.
Gordon, Melvin J., Brookline, Mass. Lady's stocking. 158,955, June 13.
Gordon, Mollie, assignor to Reuben Gordon Shoe Co., Inc., Philadelphia, Pa. Shoe. 161,101, Dec. 5.
Gordon, Pauline Z., New York, N. Y. Girdle. 157,754, Mar. 21.
Gordon, Reuben, Shoe Co., Inc., assignee: *See*—
Gordon, Mollie.
Gordon, Sadye Z., assignee: *See*—
Wilcher, Abrasha.
Gorman, Henry, Providence, R. I. Pendant or the like. 157,668, Mar. 14.
Gosweiler, Herbert V., Jr., Easton, Conn., assignor to General Electric Company. Combined top and backsplasher unit for electric ranges. 157,141, Feb. 7.
Gosweiler, Herbert V., Jr., Easton, Conn., assignor to General Electric Company. Combined top and backsplasher unit for electric ranges. 157,142, Feb. 7.
Gosswiller, Earl W., assignor to Federal Enterprises, Inc., Chicago, Ill. Signal light. 158,742, May 30.
Gottfried, John, Newark, Ohio. Ash tray. 159,060, June 20.
Gottfried, Louis, New York, N. Y. Combined high chair and table. 158,069, Apr. 11.
Gottlieb, Abraham, New York, N. Y. Narrow lace or the like. 160,163, Sept. 19.
Gould, Hugh B., Berwyn, assignor, by mesne assignments, to F. C. Kollath, Chicago, Ill. Lamp guard handle. 158,658, May 23.
Gould, James J., Berlin, assignor to Tempro, Incorporated, New Haven, Conn. Bottle stopper. 157,368, Feb. 21.
Gould Novelties, Inc., assignee: *See*—
Engel, Roger.
Goumas, James, Perth Amboy, N. J. Television antenna. 159,725, Aug. 15.
Gourielli, Inc., assignee: *See*—
De Kolb, Eric.
Gowdy, Robert A., assignor to Stanley Home Products, Inc., Westfield, Mass. Bottle. 157,042, Jan. 31.
Graboi, Michael, assignor to The Bonnytex Company, New York, N. Y. Portable nursery shelf. 161,258, Dec. 19.
Graf, John, Company, assignee: *See*—
Graf, Laurie O.
Graf, Laurie O., Wauwatosa, assignor to John Graf Company, Milwaukee, Wis. Bottle. 157,488, Feb. 28.
Grafstein, Peter, New York, N. Y. Finger ring guard. 157,755, Mar. 21.
Grafton, Felix, Los Angeles, Calif. Automobile. 160,492, Oct. 17.
Graham, Bernard, Pittsburgh, Pa. Dish for corn on ear. 160,164, Sept. 19.
Graham, Clare H., assignor to General Motors Corporation, Detroit, Mich. Automotive vehicle top. 159,335, July 18
Graham, Elizabeth N., New York, N. Y. Hat. 157,369, Feb. 21.
Graham, Elizabeth N., New York, N. Y. Hat. 157,370, Feb. 21.
Graham, James, Manufacturing Co., assignee: *See*—
Krueger, Frank W.
Graham, Stanton F., Chicago, Ill. Spray device. 157,143, Feb. 7.
Graham, William D., San Leandro, Calif. Articulated sight-seeing vehicle. 156,727, Jan. 3.
Grand Aerie Fraternal Order of Eagles, assignee: *See*—
Brown, Matthew L.
Grand Union Company, The, assignee: *See*—
Shield, Lansing P.
Grant, Foster, Co., Inc., assignee: *See*—
Foster, Joseph C.
Ulvad, Bernard.
Grant, Lowell V., assignor to Sunset Lamp & Shade Company, Los Angeles, Calif. Lamp base. 158,456, May 9.
Grant, Max L.: *See*—
Gordon, Alexander M., and Grant.
Grant, Robert Y., Inc., assignee: *See*—
Cormier, Philip J.
Grasberger, Francis N., Lynchburg, Va. Shoe heel. 161,102, Dec. 5.
Graves, Charles H., Jr., assignor to The Jetbrush Corporation, San Diego, Calif. Toothbrush. 157,669, Mar. 14.
Graves, Edward B., South Euclid, assignor to Picker X-Ray Corporation, Waite Manufacturing Division, Inc., Cleveland, Ohio. X-ray control cabinet. 159,061, June 20.
Graves, Frank R., Rochester, N. Y. Game board. 157,861, Mar. 28.
Graves, Rodney E., Williams, Ariz. Hamburger mold or the like. 156,955, Jan. 24.
Gray Company, Inc., assignee: *See*—
Beaver, Basil A.
Gray, Russell J.
Tews, John O.

Gray, John D., Evanston, Ill. Oil changer. 158,853, June 6.
Gray, Russell J., Meadeville, assignor to Gray Company, Inc., Minneapolis, Minn. Lubricant-dispensing apparatus. 158,070, Apr. 11.
Greatrex Ltd., assignee: *See*— Branen, Daniel R.
Greberman, David, Philadelphia, Pa. Book end or similar article. 156,824; Jan. 10.
Grece, Harry H., Detroit, Mich. Juicer. 160,083, Sept. 12.
Greco, John J., and I. M. Neitlich, assignors to Greco Mfg. Corp., Brooklyn, N. Y. Pin removing punch pliers. 157,670, Mar. 14.
Greco Mfg. Corporation, assignee: *See*— Greco, John J., and Neitlich.
Green, Daniel, Company, assignee: *See*— Lacek, John A.
Green, Daniel C., assignor to Wesel Manufacturing Company, Scranton, Pa. Router. 159,336, July 18.
Green, Martha S., Evanston, Ill. Pin or similar article. 160,705, Oct. 31.
Green, Warren, Noroton Heights, Conn., and P. Schladermundt, Bronxville, assignors to Stratford Pen Corporation, New York, N Y. Fountain pen or the like 159,978, Sept. 5.
Greene, Carla, Chicago, Ill. Toy roly-poly or the like. 160,782, Nov. 7.
Greene, Harry R., Pasadena, Calif., assignor to Affiliated Gas Equipment, Inc., Cleveland, Ohio. Overhead space heater or similar article. 160,938, Nov. 21.
Greene, Harry R., Pasadena, Calif., assignor to Affiliated Gas Equipment, Inc., Cleveland, Ohio. Overhead heater or similar article. 160,939, Nov. 21.
Greene, Harry R., Pasadena, Calif., assignor to Affiliated Gas Equipment, Inc., Cleveland, Ohio. Overhead radiant space heater or similar article. 161,259, Dec. 19.
Greene, Harry R., Pasadena, Calif., assignor to Affiliated Gas Equipment, Inc., Cleveland, Ohio. Overhead radiant heater or similar article. 161,260, Dec. 19.
Greene, Meyer, Oceanside, N. Y. Combination toy chest, desk, and love seat for children. 161,172, Dec. 12.
Greene, Nell J., Santa Ana, Calif. Play suit. 157,585, Mar. 7.
Greenfield, Murray, New York, N. Y. Toy duck. 160,165, Sept. 19.
Greenwood, Marvin H., and L. Slaughter, Jr., Houston, Tex. Airplane. 159,198, July 4.
Greenwood, William A., Barnet, and W. Liddell, Hook, Surbiton, England, assignors to Imperial Chemical Industries, Limited. Television lens projection unit. 157,862, Mar. 28.
Gregory, Jack G., Jackson Heights, N. Y. Fountain brush. 159,979, Sept. 5.
Gregg, Julian B., North Bergen, N. J., assignor to Chicopee Manufacturing Corporation of Georgia. Textile fabric. 159,150, June 27.
Greist Manufacturing Company, The, assignee: *See*— Baehr, Carl G.
Burgess, Robert W.
Russell, Herbert H.
Greitzer, Meyer, Beverly Hills, Calif. Combined game chip rack and ash tray or the like. 159,903, Aug. 29.
Greitzer, Meyer, Beverly Hills, Calif. Combined game chip rack and ash tray or the like. 160,166, Sept. 19.
Greppin, Ernest H., assignor to Wilmot Castle Company, Rochester, N. Y. Light for surgical and similar purposes. 159,199, July 4.
Griesinger, Walter H., Portland, Oreg. Nipple. 160,940, Nov. 21.
Grigsby, Robert E., Cincinnati, Ohio. Hair texture grader. 156,728, Jan. 3.
Grindinger, Nona F.: *See*— Grindinger, Robert E., and Nona F.
Grindinger, Robert E. and Nona F., Kansas City, Mo. Shoe rack. 157,144, Feb. 7.
Griffin, Laurence J., Sidcup, England, assignor to International Standard Electric Corporation, New York, N. Y. Radio cabinet. 159,484, Aug. 1.
Griffith, Glen I., Ventura, Calif. Toy pistol. 159,904, Aug. 29.
Grimmeisen, Herman O., assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Oil burner. 159,200, July 4.
Grohsgal, Alexis C., Cranston, R. I. Heater plug. 159,201, July 4.
Gronemeyer, Eric, Pompton Plains, N. J., assignor to Zephyr American Corp. Letter tray. 157,952, Apr. 4.
Grosfeld House, Inc., assignee: *See*— Buckner, Anthony J.
Gross, Irmi A., New York, N. Y. Child's costumer. 159,905. Aug. 29.
Gross, Julian, West Hartford, Conn., assignor to Germanow Simon Machine Co., Inc., Rochester, N. Y. Cutlery handle. 157,863, Mar. 28.
Grossman, Greta M., Beverly Hills, Calif. Floor lamp. 160,084, Sept. 12.
Grossniklaus, Alice J., Wilmot, Ohio. Roadside store building. 158,373, May 2.
Grosvold, Fred E., Eau Claire, Wis. Force cup. 159,726, Aug. 15.
Grote Manufacturing Company, The, assignee: *See*— Briggs, Merton B.
Grove, Donald E., Los Angeles, Calif. Camera. 160,858, Nov. 14.
Grove & Glass, Inc., assignee: *See*— Glass, Marvin.
Grove Laboratories, Inc., The, assignee: *See*— Margulies, Walter P.
Gruber, Gilbert S., Somerville, and K. N. Delany, Brookline, assignors to Oxford Products Corp., Boston, Mass. Gift box. 157,043, Jan. 31.
Gruber, Paul R., Waterbury, Conn. Bottle stopper. 157,253, Feb. 14.
Gruber, Paul R., Waterbury, Conn. Bottle stopper. 157,254, Feb. 14.
Grumbache, Edward S., Paris, Ill., assignor to Electrographic Corporation, New York, N. Y. Combined signal lamp and truck bed rub rail corner. 157,586, Mar. 7.
Grummt, Otto W., Philadelphia, Pa. Woman's stocking or similar article. 158,264, Apr. 25.
Grummt, Otto W., Philadelphia, Pa. Woman's stocking or similar article. 158,265, Apr. 25.
Grummt, Otto W., Philadelphia, Pa. Woman's stocking or similar article. 158,266, Apr. 25.
Grummt, Otto W., Philadelphia, Pa. Woman's stocking or similar article. 158,267, Apr. 25.
Grummt, Otto W., Philadelphia, Pa. Woman's stocking or similar article. 158,268, Apr. 25.
Grummt, Otto W., Philadelphia, Pa. Woman's stocking or similar article. 158,269, Apr. 25.
Grummt, Otto W., Philadelphia, Pa. Woman's stocking or similar article. 158,270, Apr. 25.
Grummt, Otto W., Philadelphia, Pa. Woman's stocking or similar article. 158,271, Apr. 25.
Grummt, Otto W., Philadelphia, Pa. Woman's stocking or similar article. 158,272, Apr. 25.
Grummt, Otto W., Philadelphia, Pa. Woman's stocking or similar article. 158,273, Apr. 25.
Grummt, Otto W., Philadelphia, Pa. Woman's stocking or similar article. 158,274, Apr. 25.
Grummt, Otto W., Philadelphia, Pa. Woman's stocking or similar article. 158,275, Apr. 25.
Grummt, Otto W., Philadelphia, Pa. Woman's stocking or similar article. 158,276, Apr. 25.
Grummt, Otto W., Philadelphia, Pa. Woman's stocking or similar article. 158,277, Apr. 25.
Grummt, Otto W., Philadelphia, Pa. Woman's stocking or similar article. 158,374, May 2.
Grummt, Otto W., Philadelphia, Pa. Woman's stocking or similar article. 158,375, May 2.
Grummt, Otto W., Philadelphia, Pa. Woman's stocking or similar article. 158,376, May 2.
Grummt, Otto W., Philadelphia, Pa. Woman's stocking or similar article. 160,594, Oct. 24.
Grun, Otto, New York, N. Y. Cuff button or similar article. 159,610, Aug. 8.
Grun, Otto, New York, N. Y. Watch. 159,906, Aug. 29.
Guilfoil, Oscar D., Jr., Syracuse, N. Y. Container for candles. 160,167, Sept. 19.
Grundstrom, Erik G., assignor to Advance Aluminum Castings Corp., Chicago, Ill. Cooking utensil. 156,879, Jan. 17.
Gunnill, Elisabeth A., Bayport, N. Y. Crib blanket. 160,595, Oct. 24.
Gunnill, Elisabeth A., Bayport, N. Y. Crib blanket. 160,596, Oct. 24.
Gubernick, Charles, Brooklyn, N. Y. Brassière. 156,954, Jan. 24.
Gubics, Frank J., Cleveland, Ohio. Magnifying glass. 161,173, Dec. 12.
Gudt, Rose A., New York, N. Y. Doll or the like. 158,457, May 9.
Guerlain, Inc., assignee: *See*— Guerlain, Jean P.
Guerlain, Jean P., Paris, France, assignor to Guerlain, Inc., New York, N. Y. Bottle or the like. 158,071, Apr. 11.
Guild, Lurelle V. A., Noroton Heights, assignor to Electrolux Corporation, Old Greenwich, Conn. Floor polisher or the like. 158,743, May 30.
Guior, Armand M., assignor to Imperial Dania Silver Corp., New York, N. Y. Handle for table flatware. 157,587, Mar. 7.
Gullstrand, Axel W., Stockholm, Sweden. Combined savings box and picture frame. 158,458, May 9.
Gunther, Frederick F., assignor to Helmco, Inc., Chicago, Ill. Beverage dispenser or similar article. 157,588, Mar. 7.
Gunther, Frederick F., assignor to Helmco, Inc., Chicago, Ill. Combination fruit and sirup dispenser or similar article. 157,671, Mar. 14.
Gurries, Henry A., San Jose, Calif. Display stand or similar article. 159,727, Aug. 15.
Gust, Robert P., assignor to J. Major Company, Chicago, Ill. Watch band display carton or similar article. 159,980, Sept. 5.
Gustafson, Harry M., assignor to Simmons Slicing Knife Company, Chicago, Ill. Slicing and serving knife. 158,459, May 9.
Gustafson, Harry M., assignor to Simmons Slicing Knife Company, Chicago, Ill. Knife handle. 158,460, May 9.
Gustafson, Lewis H., Northampton, and L. J. Halberstadt, Williamsburg, assignors to Pro-Phy-Lac-Tic Brush Company, Florence, Mass. Hairbrush. 159,981, Sept. 5.
Gustave, Inc., assignee: *See*— Brower, Maurice N.
Gustkey, Carl W., Wheeling, W. Va. Tumbler or similar article. 160,259, Sept. 26.

Gutenstein, Paul, New York, N. Y. Earring. 160,493, Oct. 17.
Guzik, Morris, New York, N. Y. Belt. 158,572, May 16.
Gwin, Robert C., Jr., Barrington, R. I. Washing machine. 156,880, Jan. 17.
Haas, Marlin F., Los Angeles, Calif. Slipper. 158,956, June 13.
Haase, Wilbert W., assignor to Wilbert Manufacturers Association, Forest Park, Ill. Burial vault. 160,315, Oct. 3.
Hacker, Hans, East Liverpool, Ohio. Plate. 159,728, Aug. 15.
Hacker, Hans, East Liverpool, Ohio, assignor to The Edwin M. Knowles China Company, Newell, W. Va. Plate. 159,802, Aug. 22.
Hacker, Hans, East Liverpool, Ohio, assignor to The Edwin M. Knowles China Company, Newell, W. Va. Plate. 159,803, Aug. 22.
Haberkorn, John A., and M. Petrillo, Denver, Colo. Bottle opener. 158,957, June 13.
Haddad, Salonão J., Shrewsbury, Mass., assignor, by mesne assignments, to Standard Hosiery Mills, Burlington, N. C. Man's sock. 160,168, Sept. 19.
Haddad, Salomão J., Shrewsbury, Mass., assignor, by mesne assignments, to Standard Hosiery Mills, Burlington, N. C. Man's sock. 160,169, Sept. 19.
Haddock, John L., Compton, Calif. Rod gripping tool. 159,907, Aug. 29.
Hadley Company, Inc., The, assignee: *See*— Ingleby, George A.
Hadley, H. A., Associates, Inc., assignee: *See*— Hadley, Harlan A.
Hadley, Harlan A., assignor to H. A. Hadley Associates, Inc., Burlington, Vt. Balance scale. 158,744, May 30.
Haft, Morris W., & Bros., Inc., assignee: *See*— Burell, Arnold.
Hagen, Arnold B., Seattle, Wash. Nutcracker. 160,494, Oct. 17.
Hagen, Charles R., Los Angeles, Calif. Album. 157,756, Mar. 21.
Hagel, Herbert N., Forest Hills, assignor to Everlast Pen Corporation, New York, N. Y. Ball pen. 159,337, July 18.
Hagen, Kenneth R., assignor to U. O. Colson Company, Paris, Ill. Combined scraper and coin holder. 161,261, Dec. 19.
Haglund, Elmer P., Burbank, Calif. Utensil wall bracket. 158,377, May 2.
Hahn, Hans W., Chicago, Ill. Automobile hood ornament. 159,202, July 4.
Hainke, Paul, Mower Corporation, Inc., The, assignee: *See*— Hainke, Paul W.
Hainke, Paul W., assignor to The Paul Hainke Mower Corporation, Inc., Hutchinson, Kans. Power mowing machine. 161,174, Dec. 12.
Hake, George H., assignor to Hake Manufacturing Co., Inc., Depew, N. Y. Scraper for windshields or the like. 156,825; Jan. 10.
Hake Manufacturing Co., Inc., assignee: *See*— Hake, George H.
Halbeisen, John F., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Locomotive body. 160,316, Oct. 3.
Halbeisen, John F., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Locomotive tender body. 160,317, Oct. 3.
Halberstadt, Lewis J.: *See*— Gustafson, Lewis H., and Halberstadt.
Halcomb, Dorothy L., San Diego, Calif. Bottle holder. 157,371, Feb. 21.
Halio, Moses, Rockville Centre, N. Y. Combined separable buckle and picture container. 161,175, Dec. 12.
Hall, Elisabeth A. P., Westwood, assignor to The National Pairpoint Company, New Bedford, Mass. Toy elephant. 157,372, Feb. 21.
Hall-Mack Company, assignee: *See*— Hallenscheid, Gustav A.
Hall, Richard L., assignor to Union Manufacturing Co., Frederick, Md. Stocking. 157,044, Jan. 31.
Hallenscheid, Gustav A., assignor to Hall-Mack Company, Los Angeles, Calif. Combination tumbler and toothbrush holder. 157,145, Feb. 7.
Hallenscheid, Gustav A., assignor to Hall-Mack Company, Los Angeles, Calif. Soap dish. 157,146, Feb. 7.
Hallenscheid, Gustav A., assignor to Hall-Mack Company, Los Angeles, Calif. Tumbler holder. 157,147, Feb. 7.
Hallenscheid, Gustav A., assignor to Hall-Mack Company, Los Angeles, Calif. Robe hook. 157,148, Feb. 7.
Hallenscheid, Gustav A., assignor to Hall-Mack Company, Los Angeles, Calif. Toothbrush holder. 157,149, Feb. 7.
Hallstead, Leon A., Buffalo, N. Y. Visor for motor vehicles. 159,062, June 20.
Hamalainen, Edward, Mount Clemens, Mich. Combination cigarette dispenser, ash tray, and penrack. 158,188, Apr. 18.
Hamel, Lewis E., assignor to Lewis E. Hamel Co., Inc., Rochester, N. Y. Fishhook disgorger. 157,255, Feb. 14.
Hamel, Lewis E., assignor to Lewis E. Hamel Co., Inc., Rochester, N. Y. Fishhook disgorger. 157,256, Feb. 14.
Hamel, Lewis E., assignor to Lewis E. Hamel Co., Inc., Rochester, N. Y. Fishhook disgorger. 157,257, Feb. 14.
Hamel, Lewis E., assignor to L. E. Hamel Co., Inc., Rochester, N. Y. Fishhook and snell holder. 158,958, June 13.
Hamer, Leland S., Long Beach, assignor of one-fourth to Paul A. Dewhirst, Los Angeles, Calif. Flow control fitting. 156,826; Jan. 10.
Hamer, Leland S., Long Beach, assignor of one-fourth to Paul A. Dewhirst, Los Angeles, Calif. Pipe-line fitting. 156,827; Jan. 10.
Hamer, Leland S., Long Beach, assignor of one-fourth to Paul A. Dewhirst, Los Angeles, Calif. Fitting for pipe lines. 156,828; Jan. 10.
Hamer, Leland S., Long Beach, assignor of one-fourth to Paul A. Dewhirst, Los Angeles, Calif. Pipe line fitting. 156,829; Jan. 10.
Hamer, Leland S., Long Beach, assignor of one-fourth to P. A. Dewhirst, Los Angeles, Calif. Line blind. 157,757, Mar. 21.
Hamer, Leland S., Long Beach, Calif. Coupling for pipes or the like. 161,020, Nov. 28.
Hamel, Lewis E., Co., Inc., assignee: *See*— Hamel, Lewis E.
Hamm, James J., assignee: *See*— Christensen, Clarence C.
Hammer Brothers, Incorporated, assignee: *See*— Hammer, Hy C.
Hammer, Hy C., assignor to Hammer Brothers, Incorporated, Chicago, Ill. Advertising sign. 158,278, Apr. 25.
Hammer, Hy C., assignor to Hammer Brothers, Incorporated, Chicago, Ill. Advertising sign. 158,573, May 16.
Hammer, Hy C., assignor to Compco Corporation, Chicago, Ill. Hood ornament. 159,806, Aug. 22.
Hammerly, Herman J., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Bus bar duct. 158,461, May 9.
Hamill, Virginia, Stamford, Conn. Plate or similar article. 159,804, Aug. 22.
Hamill, Virginia, Stamford, Conn. Plate or similar article. 159,805, Aug. 22.
Hamilton Art Metal Corporation, assignee: *See*— Wedemeyer, Eric.
Hamilton Art Metal Corporation, assignee: *See*— Wedemeyer, Eric.
Hamilton, Kenneth C., assignor to Milwaukee Lace Paper Company, Milwaukee, Wis. Place mat or similar article. 160,495, Oct. 17.
Hamilton, Kenneth C., assignor to Milwaukee Lace Paper Company, Milwaukee, Wis. Napkin or similar article. 158,659, May 23.
Hamilton Watch Company, assignee: *See*— Gettelman, Gilbert C.
Hammond, Dean B., Ann Arbor, and R. Cadwallader, Detroit, assignors to Kaiser-Frazer Corporation, Willow Run, Mich. Automobile hood ornament. 158,660, May 23.
Hammond Instrument Company, assignee: *See*— Stephens, George H.
Hammond, Thomas L., Chicago, assignor to Whiting Corporation, Harvey, Ill. Crane cab. 157,864, Mar. 28.
Hampe, John C., and H. T. Genge, Centralia, Wash. Spice and condiment rack. 156,729, Jan. 3.
Hampton, Harry B., Altoona, Pa. Telephone number holder. 158,574, May 16.
Hamre, Marion R., Oceanside, N. Y. Textile fabric or similar article. 157,672, Mar. 14.
Hamre, Marion R., Oceanside, N. Y. Textile fabric or similar article. 157,673, Mar. 14.
Hamre, Marion R., Oceanside, N. Y. Textile fabric or similar article. 158,959, June 13.
Handler, Maurice S., New York, N. Y. Raincoat. 161,176, Dec. 12.
Haney, Thomas G., assignor to National Pressure Cooker Company, Eau Clair, Wis. Timer or similar article. 160,170, Sept. 19.
Hansa, Arthur V., West Los Angeles, Calif. Shopping cart. 161,103, Dec. 5.
Hanson, Anton G., Minneapolis, Minn. Combination ash tray, memorandum holder, and penholder. 157,150, Feb. 7.
Hanson, Anton G., Minneapolis, Minn. Combined ash tray and memorandum holder. 160,260, Sept. 26.
Hanson, Richard D., Allwood, Clifton, N. J. Combined razor and blade holder. 159,807, Aug. 22.
Handlen, Frances, New York, N. Y. Hosiery case or similar article. 158,378, May 2.
Hanrahan, Emery M., Kenosha, Wis. Combination comb holder and pin tray. 158,575, May 16.
Hand, Thomas L., Cincinnati, assignor to Balcrank, Inc., Disney, near Marburg, Cincinnati, Ohio. Lubricator cabinet. 156,881, Jan. 17.
Handler, Louis, New York, N. Y. Girdle. 157,758, Mar. 21.
Harbeke, Louis N., assignor to Arrow Recoil Pad Co., Sacramento, Calif. Gun recoil pad. 158,745, May 30.
Harding, Milo, Company, assignee: *See*— Bailey, Richard W.
Hardman, Rena B., Los Angeles, Calif. Overshoe. 161,334, Dec. 26.
Hare, Terence G., Saginaw, Mich. Power-driven two-wheeled vehicle. 157,865, Mar. 28.
Haring, William C., Wichita, Kans. Canasta scorer. 159,808, Aug. 22.
Harker, Samuel K., West Lafayette, Ind. Door knocker. 160,859, Nov. 14.

Harley-Davidson Motor Co., assignee: *See*—
Harley, William J.

Harley, William J., assignor to Harley-Davidson Motor Co., Milwaukee, Wis. Motorcycle front end unit. 158,960, June 13.

Harling, Donald W., assignor to McGraw Electric Company, Milwaukee, Wis. Street lighting luminaire. 161,335, Dec. 26.

Harmer, Charles M., Seattle, Wash. License plate holder. 160,496, Oct. 17.

Harnischfeger Corporation, assignee: *See*—
Collin, Ernst L.

Harper, Fred C., Waterville, assignor to Keyes Fibre Company, Portland, Maine. Pack for fragile articles. 157,759, Mar. 21.

Harrell, William A., Baldwin, assignor to Fall River Curtain Co., Inc., New York, N. Y. Textile fabric or similar flat surface material. 160,383, Oct. 10.

Harrell, William A., Baldwin, assignor to Fall River Curtain Co., Inc., New York, N. Y. Textile fabric or similar flat surface material. 161,021, Nov. 28.

Harrington, Gerald D.: *See*—
Shakespeare, Henry G., and Harrington.

Harris, Comfort G. H., Baltimore, Md. Bracelet. 158,661, May 23.

Harris, Harlan N., Los Angeles, Calif. Drawing pen. 161,336, Dec. 26.

Harris, Ross: *See*—
Mullen, Edward, and Harris.

Harris, Shurley, Syracuse, N. Y. Display support. 158,189, Apr. 18.

Harris, Shurley, assignor to Syracuse Ornamental Co., Inc., Syracuse, N. Y. Display support. 158,190, Apr. 18.

Harrison, Charles W., assignor to Arnolt Corporation, Warsaw, Ind. Chair frame. 161,177, Dec. 12.

Harrison, Edward W.: *See*—
Williams, Willis E., and Harrison.

Harrison, Raymond B., Braintree, Mass., assignor to Beck with Manufacturing Company, Dover, N. H. Heater for box toe blanks and the like. 160,085, Sept. 12.

Harsh, Clifford E., Glendive, Mont. Toy bird. 159,063, June 20.

Harte & Company, Inc., assignee: *See*—
Maibach, John J.

Hartenbach, Joseph A., Beverly Hills, Calif. Utility truck or similar article. 157,589, Mar. 7.

Harter, Herold M., Toledo, and J. Beaber, Maumee, assignors to The National Exchange Club, Toledo, Ohio. Badge or similar article. 159,611, Aug. 8.

Harvey, Bennet B., and J. D. Landes, Jr., Chicago, Ill., assignors to Rand McNally & Company. Container for books or similar articles. 161,104, Dec. 5.

Harvey, Charles H., Jacksonville, Fla. Onion paring knife. 159,729, Aug. 15.

Harvey, Draper M., Hingham, assignor to E. B. Harvey and Associates, Boston, Mass. Tire chain. 157,151, Feb. 7.

Harvey, Earle B., and Associates, assignee: *See*—
Harvey, Draper M.

Harvey, James W., Lakeville, Conn. Fish lure. 158,854, June 6.

Harvey, James W., Lakeville, Conn. Display stand. 157,152, Feb. 7.

Harvey, G. F., Company, The, assignee: *See*—
Zumpe, Elsa.

Harvey, Leo M., assignee: *See*—
Frick, Chester A.

Harvey, Morton, Los Gatos, Calif. Culinary implement. 159,338, July 18.

Hassler, Winfield S., assignor to The Curtiss Candy Company, Chicago, Ill. Display rack or similar article. 156,956, Jan. 24.

Havens, Basil M., Bastian, Va. Trousers. 160,941, Nov. 21.

Haverkost, Loraine E., Overland, Mo. Combination bottle opener. 159,151, June 27.

Haviland, Glenford M., Royal Oak, assignor to General Motors Corporation, Detroit, Mich. Automotive vehicle window regulator handle. 161,022, Nov. 28.

Hawk, Marie L., Santa Monica, Calif. Self-locking tweezers. 160,597, Oct. 24.

Hawkins, Harry S., Ann Arbor, Mich. Ash tray. 158,379, May 2.

Hawkinson, Paul E., assignor to Paul E. Hawkinson Company, Minneapolis, Minn. Tire. 157,674, Mar. 14.

Hawkinson, Paul E., assignor to Paul E. Hawkinson Company, Minneapolis, Minn. Pneumatic tire. 157,866, Mar. 28.

Hawkinson, Paul E., assignor to Paul E. Hawkinson Company, Minneapolis, Minn. Tire. 157,953, Apr. 4.

Hawkinson, Paul E., assignor to Paul E. Hawkinson Company, Minneapolis, Minn. Tire. 160,318, Oct. 3.

Hawkinson, Paul E., Company, assignee: *See*—
Hawkinson, Paul E.

Hawley, Don W., Geneva, assignor to Hawley Products Company, St. Charles, Ill. Luggage case or similar article. 159,203, July 4.

Hawley Products Company, assignee: *See*—
Hawley, Don W.

Haworth, Joseph G., Los Angeles, Calif. Hand truck for vacuum cleaner and accessories. 161,105, Dec. 5.

Hayman, Elmer R., assignor of one-half to H. D. Hayman, Philadelphia, Pa. Cover plate for electrical outlet receptacles. 159,413, July 25.

Hayman, Herbert D., assignee: *See*—
Hayman, Elmer R.

Heacox, Merton H., Lodi, Calif. Shelf. 160,384, Oct. 10.

Hecht, Jacob, New York, N. Y. Photographic mount. 161,178, Dec. 12.

Heck, John T.: *See*—
Bernzott, Hugo, and Heck.

Hedrick, Cyril: *See*—
Lett, Robert L., and Hedrick.

Heels, William C., Grosse Pointe Farms, and V. K. Inscho, Detroit, Mich. Pedal operated water vehicle. 159,204, July 4.

Heftler-Louiche, Serge, assignor to Societe a Responsabilite Limitee Parfums Christian Dior, Paris, France. Bottle. 158,279, Apr. 25.

Heftler-Louiche, Serge, assignor to Societe a Responsabilite Limitee Parfums Christian Dior, Paris, France. Bottle. 158,380, May 2.

Heftler-Louiche, Serge, assignor to Societe a Responsabilite Limitee Parfums Christian Dior, Paris, France Bottle. 158,381, May 2.

Heftler-Louiche, Serge, assignor to Societe a Responsabilite Limitee Parfums Christian Dior, Paris, France. Box. 159,205, July 4.

Heick Die Casting Corp., assignee: *See*—
Heick, John K.

Heick, John K., assignor to Heick Die Casting Corp., Chicago, Ill. Lawn sprinkler. 157,045, Jan. 31.

Heideman, Robert C., Los Angeles, assignor to American Carry-Products Company, Inc., Burbank, Calif. Baby stroller. 160,598, Oct. 24.

Heidman, Harmon H., Brooklyn, N. Y. Game device. 158,855, June 6.

Heidner, Percy L., Azusa, Calif. Ash bowl. 157,675, Mar. 14.

Heidt, Herman, Inglewood, assignor to S & M Lamp Co., Los Angeles, Calif. Lamp bracket. 159,809, Aug. 22.

Heil Co., The, assignee: *See*—
Stevens, Clifford B.

Heiman, Jordan L., St. Louis, Mo. Corner-positionable heater casing. 157,489, Feb. 28.

Heineman, Herbert S., Hollywood, Calif. Holder for manicuring abrasive strip. 158,280, Apr. 25.

Heinrichs, Herman J., Flint, Mich. Artificial fish bait. 157,676, Mar. 14.

Heintze, Walter T., Elizabeth, N. J., assignor to Fostoria Glass Company, Moundsville, W. Va. Cocktail mixer. 157,490, Feb. 28.

Heintze, Walter T., Elizabeth, N. J., assignor to Fostoria Glass Company, Moundsville, W. Va. Highball glass. 157,491, Feb. 28.

Heintze, Walter T., Elizabeth, N. J., assignor to Fostoria Glass Company, Moundsville, W. Va. Cocktail glass. 157,492, Feb. 28.

Heintze, Walter T., Elizabeth, N. J., assignor to Doho Chemical Corporation, New York, N. Y. Bottle. 160,942, Nov. 21.

Heintze, Walter T., Elizabeth, N. J., and A. T. Donahue, New York, N. Y., assignors to Fostoria Glass Company, Moundsville, W. Va. Centerpiece. 160,943, Nov. 21.

Heisey, A. H., & Company, assignee: *See*—
Heisey, T. Clarence.

Heisey, T. Clarence, assignor to A. H. Heisey & Company, Newark, Ohio. Comport or article of similar nature. 156,882, Jan. 17.

Heisey, T. Clarence, assignor to A. H. Heisey & Company, Newark, Ohio. Candy dish or article of similar nature. 156,883, Jan. 17.

Heisey, T. Clarence, assignor to A. H. Heisey & Company, Newark, Ohio. Chocolate dish or article of similar nature. 156,884, Jan. 17.

Heisey, T. Clarence, assignor to A. H. Heisey & Company, Newark, Ohio. Ice tub or article of similar nature. 156,885, Jan. 17.

Heisey, T. Clarence, assignor to A. H. Heisey & Company, Newark, Ohio. Candy dish or article of similar nature. 157,954, Apr. 4.

Heisey, T. Clarence, assignor to A. H. Heisey & Company, Newark, Ohio. Goblet or similar article. 159,730, Aug. 15.

Heisey, T. Clarence, assignor to A. H. Heisey & Company, Newark, Ohio. Covered glass candy jar. 159,985, Sept. 5.

Heisey, T. Clarence, assignor to A. H. Heisey & Company, Newark, Ohio. Glass vase or similar article. 160,385, Oct. 10.

Heisey, T. Clarence, assignor to A. H. Heisey & Company, Newark, Ohio. Glass cruet or similar article. 160,386, Oct. 10.

Heisey, T. Clarence, assignor to A. H. Heisey & Company, Newark, Ohio. Glass plate or article of similar nature. 160,860, Nov. 14.

Heisey, T. Clarence, assignor to A. H. Heisey & Company, Newark, Ohio. Glass bowl or similar article. 161,179, Dec. 12.

Helfenbein, Richard C.: *See*—
Zabel, William C. P., and Helfenbein.

Heller Brothers Company, assignee: *See*—
Jackson, Henry.

Heller, Janet, Van Nuys, Calif. Fabric or similar article. 161,180, Dec. 12.

Helm, Charles W., Los Angeles, Calif. Revolving tray. 159,414, July 25.
Helmco, Inc., assignee: *See*—
Gunther, Frederick F.
Helms, Frank R., assignor to Fostoria Glass Company, Moundsville, W. Va. Goblet. 158,576, May 16.
Helms Industrial Development Company, assignee: *See*—
Browneye, Martin, and L. and T. R. Helms.
Helms, Laurence: *See*—
Browneye, Martin, and L. and T. R. Helms.
Helms, Travis R.: *See*—
Browneye, Martin, and L. and T. R. Helms.
Hendrickson, Otto A., Conover, Wis. Safety warning sign for stairs. 158,662, May 23.
Henry Manufacturing Co., assignee: *See*—
Abrams, Henry.
Henkel, A., Manufacturing Corp., assignee: *See*—
Henkel, August.
Henkel, August, assignor to A. Henkel Manufacturing Corp., Keene, N. H. Eyebrow tweezer or similar article. 159,612, Aug. 8.
Hensel, Andrew O., assignor to Perfex Corporation, Milwaukee, Wis. Thermostat housing. 159,982, Sept. 5.
Hensel, Andrew O., assignor to Perfex Corporation, Milwaukee, Wis. Thermostat housing. 159,983, Sept. 5.
Hepner, William G., Los Angeles, Calif. Detachable front fender guard for an automobile. 159,810, Aug. 22.
Herbster, George B., assignor to Herbster-Schmiler, Inc., Cleveland, Ohio. Combined household heater and laundry drier. 160,599, Oct. 24.
Herbster-Schmiler, Inc., assignee: *See*—
Herbster, George B.
Hercules Powder Company, assignee: *See*—
Sundberg, Carl W.
Hercules Steel Products Corporation, assignee: *See*—
Altemiller, Arthur D.
Herman, Jacob B., Brookline, Mass. Display stand. 158,382, May 2.
Herman, Julian, New York, N. Y. Child's trousers. 160,944, Nov. 21.
Herman, Kurt W., Richmond Hill, N. Y. Christmas tree decorative ornament. 161,023, Nov. 28.
Hernandez, Antonio D., Catano, San Juan County and Territory of Puerto Rico. Game board. 157,590, Mar. 7.
Herpin, Ivey, Dallas, Tex. Automobile vehicle. 161,024, Nov. 28.
Herrmann, Ernest, Great Neck, N. Y., assignor to Home Furniture Co., York, Pa. Chest of drawers. 157,867, Mar. 28.
Herrmann, Ernest, Great Neck, N. Y., assignor to Home Furniture Co., York, Pa. Dresser. 159,613, Aug. 8.
Herschensohn, Arthur M., New York, N. Y. Barrette. 156,830; Jan. 10.
Hersh, David, assignor to Hollywood Innovations, Inc., Los Angeles, Calif. Album or similar article. 159,614, Aug. 8.
Hertz, Alexander, Forest Hills, N. Y. Door tray. 160,387, Oct. 10.
Hertzberg, H., & Son, Inc., assignee: *See*—
Hertzberg, Ira.
Hertzberg, Ira, Yonkers, assignor to H. Hertzberg & Son, Inc., New York, N. Y. Combination suede brush and container therefor. 157,258, Feb. 14.
Hertzler, Frederick W., Detroit, assignor to Argus, Incorporated, Ann Arbor, Mich. Projector. 157,046, Jan. 31.
Hertzler, Frederick W., Detroit, assignor to Argus, Incorporated, Ann Arbor, Mich. Electrical flashlamp attachment for cameras. 160,261, Sept. 26.
Hervey, Lee A., Mountain Lakes, N. J. Bracket support for cigarettes or the like. 158,191, Apr. 18.
Herwitz, Frances M., Brookline, Mass. Bridal dress hanger. 158,072, Apr. 11.
Heschel, Eugene A., Vickery, assignor to The Bingham-Herbrand Corporation, Toledo, Ohio. Combined brace, wrench, T-wrench, and ratchet. 158,073, Apr. 11.
Hess, Frederick P.: *See*—
Wormeck, Herbert A., and Hess.
Hess, Goldsmith & Co., Inc., assignee: *See*—
Wintrich, Evelyn.
Hess, Theodore, New York, N. Y., assignor to Ekco Products Company, Chicago, Ill. Handle for cooking utensils or the like. 157,677, Mar. 14.
Hess, Theodore, New York, N. Y., assignor to Ekco Products Company, Chicago, Ill. Handle for cooking utensils or the like. 157,678, Mar. 14.
Hess, Theodore, New York, N. Y., assignor to Ekco Products Company, Chicago, Ill. Handle for cooking utensils or the like. 157,679, Mar. 14.
Hess, Walter F., Chicago, Ill. Jewel case. 160,319, Oct. 3.
Hession, John W., Jr., Darien, Conn. Aerosol generator. 159,615, Aug. 8.
Hettick, Haven W., Lynwood, Calif. Ornament for a cake or the like. 158,192, Apr. 18.
Hettrick, Carl R., Terrace Park, Ohio. Illuminating screwdriver. 160,706, Oct. 31.
Hettrick, Carl R., Terrace Park, Ohio. Illuminating tool handle. 160,707, Oct. 31.
Hettrick Manufacturing Company, The, assignee: *See*—
Smith, William I.
Hevi Duty Electric Company, assignee: *See*—
Koch, Harold E.
Heyman, Albert A., assignor to Maryland Baking Company, Inc., Baltimore, Md. Ice-cream cup. 157,047, Jan. 31.
Heyman, Albert A., assignor to Maryland Baking Company, Inc., Baltimore, Md. Ice-cream cup. 157,048, Jan. 31.
Heywood-Wakefield Company, assignee: *See*—
Carr, William J.
Jiranek, Leo.
Hiben, Paul, Canton, Ohio. Clock casing. 158,856, June 6.
Hickman, Otto R., Hamburg, N. Y. Display device. 158,746, May 30.
Hickox, Harry M.: *See*—
Hickox, Mary M. and H. M.
Hickox, Mary M. and H. M., Beverly Hills, assignors to Jump-Jump Franchise Corp., Los Angeles, Calif. Doll. 159,064, June 20.
Hickox, Mary M. and H. M., Beverly Hills, assignors to Jump-Jump Franchise Corp., Los Angeles, Calif. Toy animal. 160,171, Sept. 19.
Higginson, George J., Bronxville, assignor to Johnson Bros. (Hanley) Ltd., New York, N. Y. Plate or similar article. 160,783, Nov. 7.
High, Fred R., assignor to T. J. Holmes C., Inc., Attleboro, Mass. Bottle. 156,957, Jan. 24.
High Standard Manufacturing Corporation, The, assignee: *See*—
Duncan, Alan W.
Hildebrand, Eulalie E., New York, N. Y. Dress. 157,591, Mar. 7.
Hildebrand, Otto A., St. Louis, Mo. Infant's shoe. 161,181, Dec. 12.
Hiles, Eric J., Whitton, assignor to United Insulator Company Limited, Tolwort Surbiton, England. Insulating body for an electric capacitor. 157,760, Mar. 21.
Hill, Donald W., assignor to Crown Cork Specialty Corporation, Decatur, Ill. Refrigerator container. 159,811, Aug. 22.
Hill, Erle H.: *See*—
Izzi, Edmund L., Hill, and Lee.
Hill, Florence, Toronto, Ontario, Canada. Toy swing. 158,462, May 9.
Hill, John D., Cleveland, Ohio. Respirator or similar article. 161,337, Dec. 26.
Hill, John H., Camden, N. J. Game board. 157,680, Mar. 14.
Hill, Joseph A., Glen Ellyn, assignor to G. C. Schneider, Evanston, Ill. Rear-vision hair dressing mirror. 160,600, Oct. 24.
Hill, Maxie A., assignee: *See*—
Robbins, John R.
Hill, Winifred W., and O. A. Johnson, Redwood City, Calif. Doll. 159,152, June 27.
Hinder, Donald A., assignee: *See*—
Hinder, Orville.
Hinder, Orville, Denver, assignor to D. A. Hinder, Colorado Springs, Colo. Doorstop. 160,262, Sept. 26.
Hines Flask Co., The, assignee: *See*—
Hines, Russell J.
Hines, Russell J., Lakewood, assignor to The Hines Flask Co., Cleveland, Ohio. Molding jacket. 158,281, Apr. 25.
Hirsch, Irving L., Englewood, N. J., and J. C. Hirsch, New York, N. Y. Serving fork or similar article. 157,153, Feb. 7.
Hirsch, Joseph C.: *See*—
Hirsch, Irving L., and J. C.
Hirsch, Julius A., Chicago, Ill. Jacquard fabric. 161,106, Dec. 5.
Hirsch, Max: *See*—
Kaplowitz, Morris, and Hirsch.
Hirschman, Irving, Brooklyn, N. Y. Spectacle frame or similar article. 158,857, June 6.
Hirshon, William B., Everett, Mass. Tomato packaging carton or similar article. 158,463, May 9.
Hirst, Arthur L., Halton, near Lancaster, and V. M. Bullock, Nether Kellet, near Carnforth, England. Game board. 160,172, Sept. 19.
Hise, Bruce L., Arlington, Va. Game board. 160,601, Oct. 24.
Hiskey, Loy E., Sterling, Colo. Electric putty softener. 158,282, Apr. 25.
Hiskey, Loy E., Sterling, Colo. Electric putty softener. 158,283, Apr. 25.
Hiss, Oscar: *See*—
D'Ambrosio, Angelo, Hiss, and Wildstein.
Hitchcock, Richard E., Birmingham, Mich., assignor to Kurz-Kasch, Inc., Dayton, Ohio. Knob. 159,415, July 25.
Hoard, Halbert W., Fox Point, Wis. Light socket. 156,730, Jan. 3.
Hoback, Eugene, Los Angeles, Calif. Seat. 156,886, Jan. 17.
Hobbs, Charles B., assignor to U. S. Manufacturing Corporation, Decatur, Ill. Broiler. 156,731, Jan. 3.
Hobby, Harold E., assignor to Simplex Time Recorder Co., Gardner, Mass. Case for watchman's clock. 161,338, Dec. 26.
Hobe, Audrey A., Detroit, Mich., assignor to United States Rubber Company, New York, N. Y. Pneumatic tire. 158,747, May 30.
Hochland, Simon, New York, N. Y. Spectacle frame. 159,065, June 20.
Hockery, John C., trustee, assignee: *See*—
Talge, Henry J., and Travis Whitfill, Elton F., and Talge.

Hodge, Frederic B., Pleasant Ridge, Mich. Slingshot. 160,708, Oct. 31.
Hodge, Louis W., Sr., Phenix City, Ala. Pair of scissor grip pliers. 158,858, June 6.
Hodges, Verlin F.: *See*— Blue, Lebert E., and Hodges.
Hoeflicker, Arthur J., Long Beach, Calif. Combination tool. 156,732, Jan. 3.
Hoeft, Camille R., Los Angeles, Calif. Utensil rack. 156,958, Jan. 24.
Hoeker, Bert: *See*— Anderson, Robert I., and Hoeker.
Hoelzel, Carl F., assignor to Superior Products, Incorporated, Kansas City, Mo. Receptacle for fire extinguishing grenade. 161,107, Dec. 5.
Hofer, Hans, Chicago, G. Alto, Prospect Heights, and R. Dix, Chicago, Ill. Field glasses. 156,733, Jan. 3.
Hoffman, Gerald, Beverly Hills, assignor to Louis Milani Foods, Inc., Maywood, Calif. Bottle or the like. 159,616, Aug. 8.
Hoffmann, Elmer L., Park Ridge, and A. L. Atkins, Chicago, Ill., said Hoffmann assignor to said Atkins. Combined electrical jig saw and sander. 161,025, Nov. 28.
Hofman, Emil, Newark, N. J. Heat applicator or similar article. 156,959, Jan. 24.
Hogan, Joseph L., San Francisco, Calif. Window display unit. 159,206, July 4.
Hogg, Reuben T., Chicago, Ill. Wheel chair. 160,388, Oct. 10.
Hoggatt, Horace S., Richmond, Ind. Combination cigarette container and ash tray. 157,681, Mar. 14.
Hogner, Dorothy C., Goshen, Conn. Toy figure for cats. 158,859, June 6.
Holeproof Hosiery Company, assignee: *See*— Frankel, Gustave.
Hollaender Manufacturing Company, The, assignee: *See*— Hollaender, Peter R.
Hollaender, Peter R., assignor to The Hollaender Manufacturing Company, Cincinnati, Ohio. Coupling element. 157,592, Mar. 7.
Hollaender, Peter R., assignor to The Hollaender Manufacturing Company, Cincinnati, Ohio. Coupling element. 157,593, Mar. 7.
Hollaender, Peter R., assignor to The Hollaender Manufacturing Company, Cincinnati, Ohio. Coupling element. 157,594, Mar. 7.
Holland, Dan, Co., Inc., assignee: *See*— Hosfield, Lee C.
Hollander, L. Preston, Jr., New York, N. Y. Belt. 160,602, Oct. 24.
Hollander, Molly, New York, N. Y. Brassière or similar article. 160,389, Oct. 10.
Hollander, William L., assignor to A. B. Chance Company, Centralia, Mo. Combination light fixture, plant holder, and the like. 161,026, Nov. 28.
Hollick-Smith, Roy E., assignor to Challoner-Dukes and Allison Limited, London, England. Aquarium frame. 158,074, Apr. 11.
Hollymade Hardware Manufacturing Company, assignee: *See*— Cerf, Robert C., Jr.
Hollywood Innovations, Inc., assignee: *See*— Hersh, David.
Holman, Elizabeth F., Los Angeles, Calif. Individual lemon squeezer. 157,761, Mar. 21.
Holmes, T. J., Co., Inc., assignee: *See*— High, Fred R.
Holohan, Bartholomew: *See*— Pinkham, Clarence A., and Holohan.
Holophane Company, Inc., assignee: *See*— Wince, Vearl S.
Holt, William E., Oakland, Calif. Polishing machine housing. 158,577, May 16.
Holt, William E., Oakland, Calif. Combined scraper and hammer. 159,731, Aug. 15.
Holzhausen, Graham, New York, N. Y. Combination bathroom fixture. 160,945, Nov. 21.
Home Furniture Co., assignee: *See*— Herrmann, Ernest.
Honig, David, Brooklyn, N. Y. Nursery utility tray. 157,259, Feb. 14.
Honnet, George, Wilmington, N. C. Spoon or similar article. 157,595, Mar. 7.
Honnet, George, Wilmington, N. C. Spoon or similar article. 157,596. Mar. 7.
Hood, Carl W., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Automobile lamp lens. 158,193, Apr. 18.
Hood, Carl W., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Lens housing for automobile lamps. 158,284, Apr. 25.
Hood, Carl W., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Automobile lamp lens. 158,285, Apr. 25.
Hood, Carl W., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Lens housing for automobile lamps. 158,286, Apr. 25.
Hood, Percy W., and R. Moorman, Gloucester, Va. Leg stool. 157,493, Feb. 28.
Hooven, Howard, Doylestown, assignor to Quaker Lace Company, Philadelphia, Pa. Lace table cover. 159,207, July 4.
Hooven, Howard, Doylestown, assignor to Quaker Lace Company, Philadelphia, Pa. Lace table cover. 160,173, Sept. 19.
Hoover Company, The, assignee: *See*— Swann, Edward R.
Hoover, Frank M., Inc., assignee: *See*— Allen, Robert Y., and Shaw.
Hopp, Philip, assignor to The Hopp Press Inc., New York, N. Y. Portable display stand or similar article 158,464, May 9.
Hopp Press Inc., The, assignee: *See*— Hopp, Philip.
Horn, Edward N.: *See*— Daniel, Frederick K., and Horn.
Horn, William S., Fort Worth, Tex. Hospital commode. 157,868, Mar. 28.
Horn, William S., Fort Worth, Tex. Bedside cabinet commode. 161,262, Dec. 19.
Horne, Elsie S., London, England. Dart board. 159,617, Aug. 8.
Horne, Hal, New York, N. Y. Musical instrument. 158,194, Apr. 18.
Horovitz, Morris, Providence, R. I. Expansible bracelet. 160,861, Nov. 14.
Horowitz, Isadore, Shreveport, assignor to Universal Manufacturing Company, Bossier, La. Gymnasium and playground apparatus. 160,320, Oct. 3.
Horsman, Hubert L.: *See*— Lawrence, Wallace C., and Horsman.
Horton, George M., Fairfield, Conn., assignor to Moody Machine Products Co., Inc. Combined kit and screw driver set unit. 157,154, Feb. 7.
Hose, Robert H., New York, N. Y., and R. A. Larsson, assignors to Teletype Corporation, Chicago, Ill. Printing telegraph apparatus cabinet. 160,497, Oct. 17.
Hose, Robert H., New York, N. Y., and R. A. Larsson, assignors to Teletype Corporation, Chicago. Printing telegraph apparatus cabinet. 160,498, Oct. 17.
Hosfield, Lee C., Bennington, Vt., assignor, by mesne assignments, to Dan Holland Co., Inc., Washington, D. C. Waterproof carrying bag. 158,748, May 30.
Hosmer, Daniel N., Sr., Cheektowaga, N. Y. Cigarette dispenser. 159,485, Aug. 1.
Hotel Sherman, Inc., assignee: *See*— Lederer, Robert E.
Hotpoint, Inc., assignee: *See*— Sandin, Ray C.
Houdaille-Hershey Corporation, assignee: *See*— Sebok, Joseph B., and Sebok.
Houston, James L., Seattle, Wash. Plate or similar article. 159,618, Aug. 8.
Houston, James L., Seattle, Wash. Plate or similar article. 159,619, Aug. 8.
Hout, Rush B., and C. V. Ufnal, Cherry Creek, N. Y. Enclosed knife holder. 156,960, Jan. 24.
How, Roger F., and D. S. Whitnah, assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Sound recording tape reel. 157,494, Feb. 28.
Howard, Viola T., Saylesville, R. I., assignor to Swank, Inc. Necktie holder. 159,620, Aug. 8.
Howard, Viola T., Saylesville, R. I. Belt buckle. 159,621, Aug. 8.
Howe, Charles A., assignor to Howe Products, Incorporated, Chicago, Ill. Candy package. 157,495, Feb. 28.
Howe Products, Incorporated, assignee: *See*— Howe, Charles A.
Hoyt, Lloyd D., Northfield, Ill. Toy figure. 157,496, Feb. 28.
Hu-Friedy, Inc., assignee: *See*— Friedman, Hugo.
Hubbell, Preston R., Fort Lauderdale, Fla. Chair or similar article. 160,603, Oct. 24.
Hubbert, Ernest J., Kansas City, Mo. Combined knife and kitchen utensil rack. 160,086, Sept. 12.
Hubbert, Ernest J., Kansas City, Mo. Combined footstool and receptacle for sewing articles. 160,390, Oct. 10.
Hubenet, Will W., Detroit, Mich. Ham holder. 158,961, June 13.
Huber, John R., Ravenna, and H. J. Wise, Kent, Ohio. Ledger holder. 158,749, May 30.
Huber, Paul: *See*— Williams, Alexander T., and Huber.
Huber, Wilbur M., assignor to Robbins & Huber, Inc., Cincinnati, Ohio. Hand-cart. 157,597, Mar. 7.
Hudson, H. D., Manufacturing Company, assignee: *See*— Landgraf, Jacob T.
Hudson, Harry K., Garden City, N. Y., assignor to The Sperry Corporation. Transceiver cabinet panel. 158,195, Apr. 18.
Hudson, William J., Los Altos, and A. W. Scheier, Woodside, Calif. Manicurist's hand rest. 161,182, Dec. 12.
Hueter, Patricia J., Seattle, Wash. Doll. 161,339, Dec. 26.
Huffman, Kermit D., Phoenix, Ariz. Beverage dispensing fountain. 160,784, Nov. 7.
Huffman, Russell I., Dover, Ohio, assignor to Knapp-Monarch Company, St. Louis, Mo. Electric iron or similar article. 160,087, Sept. 12.
Hughes, Henry S., Belmont, Calif. Toy boat. 160,499, Oct. 17.
Hughes, Jerry, assignee: *See*— Schmidt, Oscar.
Hulsgen, Julius, assignor to E. Leitz, Inc., New York, N. Y. Photographic slide binder. 160,785, Nov. 7.

Hull, Gerald P., and G. S. Shields, Tupper Lake, N. Y. Display carton. 157,260, Feb. 14.
Hull, R. Dell, Tulsa, Okla. Fishing reel. 159,986, Sept. 5.
Hulquist, Edward M., Dallas, Tex. Meat tenderizer or similar article. 159,908, Aug. 29.
Huneycutt, Semion F., Cleburne, Tex. Fishing lure. 156,831; Jan. 10.
Hunt, Charles M., Fort Wayne, Ind. Arrow nock. 160,263, Sept. 26.
Hunt, Guilbert M., Euclid, Ohio, assignor to Addressograph-Multigraph Corporation, Wilmington, Del. Printing machine. 158,287, Apr. 25.
Hunt, Guilbert M., Euclid, assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio. Duplicating machine. 160,946, Nov. 21.
Hunting, Leonard A.: *See*—
Goldstine, Lee M., and Hunting.
Huntley, Baxter D., Charlotte, N. C. Lady's stocking. 158,663, May 23.
Hupp Corporation, assignee: *See*—
Lawson, David E.
Hurd Lock & Manufacturing Company, assignee: *See*—
Mowat, Duane N.
Hurley, Raymond F., Chicago, Ill. Lighting fixture louvre. 161,340, Dec. 26.
Hutcheson, Ray R., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y. Combined fan and electric heater. 157,598, Mar. 7.
Hutcheson, Ray R., New York, assignor to Mimar Products, Inc., Brooklyn, N. Y. Air circulator. 160,391, Oct. 10.
Hutchison, Mark O., Oakland, Calif. Book support. 159,622, Aug. 8.
Hutson, Robert W., Santa Clara, Calif. Toothbrush. 160,604, Oct. 24.
Hutzler, Lothar, Long Beach, N. Y. Napkin holder. 160,088, Sept. 12.
Huxtable, Robert W., assignor to Millers Falls Company, Greenfield, Mass. Plane. 159,339, July 18.
Huzarsky, Morris, assignor of one-sixth to A. Bank, New York, N. Y. Combination cap and wick fountain brush. 159,340, July 18.
Hvale, James L.: *See*—
John, Betty H., and Hvale.
Lueneburg, Walter C., and Hvale.
Hvale, James L., assignor to Ekco Products Company, Chicago, Ill. Combined handle and clamping ring for pressure cookers. 158,664, May 23.
Hvale, James L., assignor to Ekco Products Company, Chicago, Ill. Handle for cooking utensils and the like. 160,089, Sept. 12.
Hvid, Rasmus M., Wilmette, assignor to Veed Corp., Chicago, Ill. Motorless dry shaver. 156,961, Jan. 24.
Hwa Mei Trading Corp., assignee: *See*—
Zaima, Tomojiro, and Ichikawa.
Hyman, Edgar C., Co., Inc., assignee: *See*—
Juillet, Yvonne.
Lewis, Elsie M.
Mauri, Umberto.
Wested, Valborg M.
Hyman, Nathaniel, Woodmere, N. Y. Plaque unit for wall covering or similar article. 159,208, July 4.
Hyman, Sidney, New York, N. Y. Handbag. 156,962, Jan. 24.
ILG Electric Ventilating Co., assignee: *See*—
Pfautsch, Raymond V.
Ichikawa, Kaname: *See*—
Zaima, Tomojiro, and Ichikawa.
Ideal-Aire, Inc., assignee: *See*—
Carraway, Thomas W.
Imôn, Hyman G., Buffalo, N. Y., assignor to Jaye Imôn Inc. Brassière. 160,392, Oct. 10.
Imôn, Jaye, Inc., assignee: *See*—
Imôn, Hyman G.
Imperial Chemical Industries Limited, assignee: *See*—
Greenwood, William A., and Liddell.
Imperial Dania Silver Corp., assignee: *See*—
Guior, Armand M.
Imperial Glass Corporation, assignee: *See*—
Evans, Virginia B.
Uhrmann, Carl J.
Independent Pneumatic Tool Company, assignee: *See*—
Bushnell, Aileen.
Ing. C. Olivetti & C. Societa per Azioni, assignee: *See*—
Beccio, Giuseppe.
Ingham, Herbert S., Roslyn Estates, and C. K. Wilson, East Williston, N. Y. Lawn sprinkler. 157,315, Feb. 14.
Ingleby, George A., Edgewood, assignor to The Hadley Company, Inc., Providence, R. I. Alphabet for forming monograms or similar article. 160,321, Oct. 3.
Ingram-Richardson Manufacturing Company, assignee: *See*—
Frederick, Charles H.
Inland Steel Container Company, assignee: *See*—
Jones, Paul A.
Inscho, Virgil K.: *See*—
Heels, William C., and Inscho.
Institute of Inventive Research, assignee: *See*—
Slick, Polly N.
Insuline Corporation of America, assignee: *See*—
Spector, Samuel J.
International Business Machines Corporation, assignee: *See*—
Bel Geddes, Norman, and Noyes.
Kress, George H.
Kress, George H., and Sundberg.
Sundberg, Carl W., and Kress.
International Electronics Company, assignee: *See*—
Reed, Frank J., and Bobb.
International Electronics Company, The, assignee: *See*—
Landell, Harper.
International Latex Corporation, assignee: *See*—
Andrews, Fred W.
International Silver Company, The, assignee: *See*—
Conroy, Edward J.
Dabrowski, Alexandra A.
Doerfler, Robert L.
Stark, Frederick W.
Tilley, Henry R.
International Standard Electric Corporation, assignee: *See*—
Griffin, Laurence J.
International Steel Company, assignee: *See*—
Blanning, Harry K.
Ireland, Murray, assignor to McGraw Electric Company, Elgin, Ill. Electric iron. 159,732, Aug. 15.
Irwin, Paul E., Brooklyn, assignor to Cotter Products Inc., New York, N. Y. Needle threader. 159,341, July 18.
Irwin, Sue U., Los Angeles, Calif. Dish rack or the like. 161,183, Dec. 12.
Isard, Howard H., Bell, Calif. Flower holder or similar article. 161,341, Dec. 26.
Isermann Centa, nee Cossman, Tucson, Ariz. Bottled perfume package. 157,155, Feb. 7.
Iskyan, George S., Jackson Heights, N. Y. Combination bar utensil. 160,605, Oct. 24.
Iversen, Roderick M., Lafayette, assignor to Western Iron and Body Works, Oakland, Calif. Bulk materials carrier. 158,383, May 2.
Iversen, Roderick M., Lafayette, assignor to Western Iron and Body Works, Oakland, Calif. Bulk materials carrier. 158,384, May 2.
Iwanoski, Michael, Newark, N. J. Combined ash tray, cigarette, and match holder. 160,786, Nov. 7.
Izenour, George C., New Haven, Conn. Electrical control unit. 157,373, Feb. 21.
Izenour, George C., New Haven, Conn. Electrical control unit. 157,374, Feb. 21.
Izzi, Edmund L., Stamford, Conn., E. H. Hill and B. A. Lee, Pittsburgh, Pa., assignors to Westinghouse Electric Corporation. Locomotive body. 158,665, May 23.
Jaaj, Sardul S., New York, N. Y. Embroidered medallion for shoes or the like. 160,787, Nov. 7.
Jack, Edward M., Litchfield, assignor to Union Hardware Company, Torrington, Conn. Roller skate frame. 158,075, Apr. 11.
Jack, Edward M., Litchfield, assignor to Union Hardware Company, Torrington, Conn. Footplate for roller skate. 158,076, Apr. 11.
Jackson, Byron Co., assignee: *See*—
Dreyfuss, Henry.
Jackson, Claude A.: *See*—
Cleveland, Howard L., and Jackson.
Jackson, Henry, New Comerstown, Ohio, assignor to Heller Brothers Company, Newark, N. J. Combination claw hammer and screw driver. 156,832; Jan. 10.
Jackson, Herman F., Detroit, Mich. Hair grooming comb. 159,066, June 20.
Jackson, Irene E., assignee: *See*—
Jackson, Laurie E.
Jackson, Laurie E., assignor of one-half to I. E. Jackson, Coos Bay, Oreg. Key ring holder. 159,984, Sept. 5.
Jackson, Walter, Denver, Colo. Belt. 158,288, Apr. 25.
Jacob, Richard, Detroit, Mich. Canasta board. 158,962, June 13.
Jacobs, F. L., Co., assignee: *See*—
Brundage, Alan D.
Jacobs, Manuel J., San Francisco, Calif. Samovar. 159,153, June 27.
Jacobs, Samuel, assignee: *See*—
White, William.
Jacobson, Ruthe Z., Louisville, Ky. Game board. 156,734, Jan. 3.
Jacobsson, Wilgot J., Plainfield, N. J., assignor to The Linde Air Products Company. Fluid pressure regulator. 156,735, Jan. 3.
Jacoby-Bender, Inc., assignee: *See*—
Bender, Joseph M.
Jacoby, Max.
Rodriguez, Emil.
Jacoby, Max, Lawrence, assignor to Jacoby-Bender, Inc., New York, N. Y. Expansible link chain for a bracelet or the like. 160,393, Oct. 10.
Jacoby, Max, Lawrence, assignor to Jacoby-Bender, Inc., New York, N. Y. Expansible bracelet or the like. 161,342, Dec. 26.
Jagger, Hubert, Maywood, Ill. Address duplicating apparatus. 159,067, June 20.
James Cycle Company Limited, The, assignee: *See*—
Kimberley, Fred A.
James, Eva C., Charleston, W. Va. Headlight lens for automobiles. 159,623, Aug. 8.
James, Horace A., Riverton, N. J. Combined purse and radio. 158,578, May 16.

James, Richard E., Pasadena, and W. A. Pentecost, South Pasadena, assignors to Rheem Manufacturing Company, Richmond, Calif. Thermostatic control or similar article. 157,682, Mar. 14.

Jamison, Alfred R., Quantico, Va. Golf club head. 159,068, June 20.

Janowitz, Arnold, New York, N. Y. Christmas tree ornament or a similar article. 157,156, Feb. 7.

Janowitz, Arnold, New York, N. Y. Christmas ornament or a similar article. 160,174, Sept. 19.

Jansen, Peter F. D., Santa Monica, Calif. Musical practice timer. 161,263, Dec. 19.

Jardine, Nelson, Hamilton, Ontario, Canada. Case for transfers or the like. 158,860, June 6.

Jarvis, Allan S., Los Angeles, Calif. Combined toy animal figure and container or similar article. 158,077, Apr. 11.

Jarvis, Fred, and H. S. Bromley, assignors to North American Lace Co., Inc., Philadelphia, Pa. Table cover or similar article. 159,486, Aug. 1.

Jaye, Richard C., Milwaukee, assignor to Syncromatic Corporation, Watertown, Wis. Furnace front. 159,487, Aug. 1.

Jaynes, Wilford C.: *See*—
Vanderbrook, Clarence A., and Jaynes.

Jefferis, Albert W., Jr., assignor to J. Jefferis, North Hollywood, Calif. Ash tray. 157,261, Feb. 14.

Jefferis, Jerene, assignee: *See*—
Jefferis, Albert W., Jr.

Jeffery, David B., assignor to Amity Leather Products Co., West Bend, Wis. Combined billfold, coin purse, and cardcase. 161,264, Dec. 19.

Jenkins, Howard M., Jr., Detroit, assignor to Van Auken, Inc., Ferndale, Mich. Automobile grille guard. 160,788, Nov. 7.

Jenkins, Wallace A., Lakewood, assignor to The Atlas Manufacturing and Sales Company, Cleveland, Ohio. Toy vending machine type bank. 159,624, Aug. 8.

Jenks, Albert L.: *See*—
Edelstone, Sigmund E., and Jenks.

Jennings, Jo E., assignor to Jennings Radio Mfg. Co., San Jose, Calif. Vacuum condenser. 159,342, July 18.

Jennings Radio Mfg. Co., assignee: *See*—
Jennings, Jo E.

Jepson, Ivar, Oak Park, assignor to Sunbeam Corporation, Chicago, Ill. Casing for an electric shaver. 159,069, June 20.

Jepson, Ivar, Oak Park, assignor to Sunbeam Corporation, Chicago, Ill. Combined electric shaver and head guard. 159,070, June 20.

Jepson, Ivar, Oak Park, assignor to Sunbeam Corporation, Chicago, Ill. Casing for toaster. 161,265, Dec. 19.

Jepson, Ivar, Oak Park, and R. D. Budlong, Skokie, assignors to Sunbeam Corporation, Chicago, Ill. Toaster. 161,266, Dec. 19.

Jetbrush Corporation, The, assignee: *See*—
Graves, Charles H., Jr.

Jiranek, Leo, New York, N. Y., assignor to Heywood-Wakefield Company, Gardner, Mass. Buffet. 159,488, Aug. 1.

John, Betty H., Dayton, Ohio, and J. L. Hvale, assignors to Ekco Products Company, Chicago, Ill. Kettle. 157,599, Mar. 7.

Johnsen, George V., Los Angeles, Calif. Motor block bench. 160,606, Oct. 24.

Johnson, August T., Winters, Calif. Putting game club head. 156,963, Jan. 24.

Johnson, Benjamin A., Chicago, Ill. Miniature altar. 161,267, Dec. 19.

Johnson Bros. (Hanley) Ltd., assignee: *See*—
Higginson, George J.

Johnson, Clarence: *See*—
Lee, Charles, and Johnson.

Johnson, Elmer L., assignor to Bell & Howell Company, Chicago, Ill. Automatic sheet feeding apparatus. 160,862, Nov. 14.

Johnson, Fred H., Pleasant Ridge, Mich. Power cycle. 159,154, June 27.

Johnson, George F., Dallas, Tex. Toothbrush. 158,078, Apr. 11.

Johnson, Herbert C., Wilmette, Ill. Egg beater or the like. 157,955, Apr. 4.

Johnson, Herbert C., Wilmette, Ill. Egg beater or the like. 157,956, Apr. 4.

Johnson, John, San Francisco, Calif. Greeting card. 159,343, July 18.

Johnson & Johnson, assignee: *See*—
Malkin, Simon.

Johnson, Leonard, Chicago, Ill. Flatiron cord holder. 159,625, Aug. 8.

Johnson, Opal A.: *See*—
Hill, Winifred W., and Johnson.

Johnson, Roy W., and V. R. Pawelsky, assignors to Automatic Products Company, Milwaukee, Wis. Room thermostat. 157,600, Mar. 7.

Johnson, S. C., & Son, Inc., assignee: *See*—
Gardner, Robert F.
Lahr, Peter W.
Palma, Joseph, Jr.

Johnson, Sigurd R., Chicago, Ill. Figurine. 160,175, Sept. 19.

Johnson, Sixten I.: *See*—
Reifsnyder, James D., and Johnson.

Jolson, Leon, Forest Hills, assignor to Necchi Sewing Machine Sales Corp., New York, N. Y. Sewing machine. 160,500, Oct. 17.

Jonaitis, Alfred S., New York, N. Y. Pair of sun glasses. 159,344, July 18.

Jonassen, Severin, New York, N. Y., assignor to American Optical Company, Southbridge, Mass. Spectacle frame or the like. 158,963, June 13.

Jonassen, Severin, New York, N. Y., assignor to American Optical Company, Southbridge, Mass. Spectacle frame or the like. 158,964, June 13.

Jonassen, Severin, New York, N. Y., assignor to American Optical Company, Southbridge, Mass. Spectacle frame or the like. 158,965, June 13.

Jonassen, Severin, New York, N. Y., assignor to American Optical Company, Southbridge, Mass. Spectacle frame or the like. 158,966, June 13.

Jonassen, Severin, New York, N. Y., assignor to American Optical Company, Southbridge, Mass. Spectacle frame or the like. 158,967, June 13.

Jonassen, Severin, New York, N. Y., assignor to American Optical Company, Southbridge, Mass. Spectacle frame or the like. 158,968, June 13.

Jonassen, Severin, New York, N. Y., assignor to American Optical Company, Southbridge, Mass. Spectacle frame or the like. 158,969, June 13.

Jonassen, Severin, New York, N. Y., assignor to American Optical Company, Southbridge, Mass. Spectacle frame or the like. 158,970, June 13.

Jonassen, Severin, New York, N. Y., assignor to American Optical Company, Southbridge, Mass. Spectacle frame or the like. 158,971, June 13.

Jonassen, Severin, New York, N. Y., assignor to American Optical Company, Southbridge, Mass. Spectacle frame or the like. 158,972, June 13.

Jonassen, Severin, New York, N. Y., assignor to American Optical Company, Southbridge, Mass. Spectacle frame or the like. 159,345, July 18.

Jonassen, Severin, New York, N. Y., assignor to American Optical Company, Southbridge, Mass. Spectacle frame or the like. 159,346, July 18.

Jonassen, Severin, New York, N. Y., assignor to American Optical Company, Southbridge, Mass. Spectacle frame or the like. 159,347, July 18.

Jonassen, Severin, New York, N. Y., assignor to American Optical Company, Southbridge, Mass. Spectacle frame or the like. 159,348, July 18.

Jones, Amos L., Dayton, Wash., and L. M. Wheeler, Philadelphia, Pa. Combination egg cooker and server, or the like. 157,375, Feb. 21.

Jones, Basil E., Flossmoor, Ill., assignor to Pullman-Standard Car Manufacturing Company. Covered washstand. 157,049, Jan. 31.

Jones, Basil E., Flossmoor, Ill., assignor to Pullman-Standard Car Manufacturing Company. Covered washstand. 157,050, Jan. 31.

Jones, Charles E.: *See*—
Seil, Lewis W., and Jones.

Jones, Charles E., assignor to Commonwealth Plastics, Inc., Chicago, Ill. Combined wall plaque and condiment shaker unit. 157,497, Feb. 28.

Jones, Charles E., assignor to Commonwealth Plastics, Inc., Chicago, Ill. Article receptacle. 160,607, Oct. 24.

Jones, Charles E., Chicago, and R. H. Crowle, Berwyn, assignors to Cory Corporation, Chicago, Ill. Fan casing. 160,709, Oct. 31.

Jones, Daniel C., assignor to Kwik-Mix Company, Port Washington, Wis. Power-operated wheelbarrow. 159,987, Sept. 5.

Jones, Daniel C., assignor to Kwik-Mix Company, Port Washington, Wis. Power-operated platform truck. 159,988, Sept. 5.

Jones, Eugenie J., Webster Groves, Mo. Sheet of stationery or the like. 157,601, Mar. 7.

Jones, Eugenie J., Webster Groves, Mo. Cover for a greeting card folder or the like. 157,602, Mar. 7.

Jones, Eugenie J., Webster Groves, Mo. Sheet of stationery or the like. 157,957, Apr. 4.

Jones, Eugenie J., Webster Groves, Mo. Greeting card or the like. 158,666, May 23.

Jones, Eugenie J., Webster Groves, Mo. Greeting card or the like. 158,667, May 23.

Jones, Eugenie J., Webster Groves, Mo. Alphabet for forming monograms or the like. 160,176, Sept. 19.

Jones, Frederick M., assignor to The U. S. Thermo Control Co., Minneapolis, Minn. Air conditioning unit. 159,209, July 4.

Jones, George D., assignor to Reelshav Corporation, Los Angeles, Calif. Razor. 160,322, Oct. 3.

Jones, George D., and L. C. Miller, assignors to Reelshav Corporation, Los Angeles, Calif. Razor. 160,323, Oct. 3.

Jones, Harry E., Norwood, Pa. Lid. 159,210, July 4.

Jones, John H., Alhambra, Calif. Toy whistle. 159,071, June 20.

Jones, Joseph W., New York, N. Y. Shoe polishing machine or the like. 159,264, July 11.

Jones, Lawrence C., assignor to The Van Dorn Iron Works Company, Cleveland, Ohio. Coin holder. 158,579, May 16.

Jones, Lawrence C., University Heights, and G. H. Shirley, assignors to The Van Dorn Iron Works Company, Cleveland, Ohio. Bottle carrier. 160,608, Oct. 24.
Jones, Paul A., assignor to Inland Steel Container Company, Chicago, Ill. Casing for a space heater or similar article. 159,489, Aug. 1.
Jones, Robert B., Dearborn, assignor to Packard Motor Car Company, Detroit, Mich. Vehicle hood ornament or similar article. 159,812, Aug. 22.
Jones, William E., Medford, Mass. Refrigerator. 160,501, Oct. 17.
Jones, William T., assignor to Consolidated Molded Products Corporation, Scranton, Pa. Manicure stand. 159,265, July 11.
Jones, William T., assignor to Consolidated Molded Products Corporation, Scranton, Pa. Handle for coffee pots or the like. 159,989, Sept. 5.
Jones, William T., assignor to Consolidated Molded Products Corporation, Scranton, Pa. Basket handle. 161,268, Dec. 19.
Jones, Wilson, Company, assignee: *See*— Marano, Herbert W.
Jordan, Lynvell R., Santa Monica, assignor to J. B. Nethercutt, Los Angeles, Calif. Trap shooting target. 160,789, Nov. 7.
Jordan Regulator Corporation, assignee: *See*— Bissell, Harry G.
Jost, Frona N., Honolulu, Territory of Hawaii. Brooch or similar article. 160,394, Oct. 10.
Jost, Frona N., Honolulu, Territory of Hawaii. Brooch or similar article. 160,395, Oct. 10.
Joyce, Faie, Pasadena, Calif. Shoe or similar article. 158,385, May 2.
Juergens, John, McHenry, Ill., assignor to Leterstone Sales Co. Animal prod. 156,833; Jan. 10.
Juillet, Yvonne, Paris, France, assignor to Edgar C. Hyman Co. Inc., New York, N. Y. Scarf. 159,733, Aug. 15.
Jump-Jump Franchise Corp., assignee: *See*— Hickox, Mary M. and H. M.
Jung, Albert H., Flushing, assignor to Victor Industries Corporation, Brooklyn, N. Y. Handle for a container cap. 156,736, Jan. 3.
Jung, Albert H., Flushing, assignor to Victor Industries Corporation, Brooklyn, N. Y. Container cap. 157,262, Feb. 14.
Jung, Albert H., Flushing, assignor to Victor Industries Corporation, Brooklyn, N. Y. Container cap. 157,683, Mar. 14.
Justin, John S., Jr., Fort Worth, Tex. Belt buckle. 157,263, Feb. 14.
Justin, John S., Jr., Fort Worth, Tex. Belt buckle. 157,958, Apr. 4.
Kabase, Frank E., Birmingham, Ala. Broom holder or the like. 161,343, Dec. 26.
Kabase, Frank E., Birmingham, Ala. Broom holder or the like. 161,344, Dec. 26.
Kadleck, Lewis L., Dallas, Tex. Door pull. 160,710, Oct. 31.
Kahan, James A., Denver, Colo., assignor to Din-A-Tot Corp. Child's tray chair. 157,959, Apr. 4.
Kahan, Nathan I., New York, N. Y. Scarf or similar article. 157,762, Mar. 21.
Kahn, Cleone L., Cleveland, Ohio. Combination letter opener and dialer. 157,051, Jan. 31.
Kahn, David, Englewood, assignor to David Kahn, Inc., North Bergen, N. J. Fountain pen or pencil clip. 158,465, May 9.
Kahn, David, Englewood, assignor to David Kahn, Inc., North Bergen, N. J. Fountain pen. 158,973, June 13.
Kahn, David, Inc., assignee: *See*— Kahn, David.
Kahn, Joseph, Jr., New York, N. Y. Fabric or the like. 161,345, Dec. 26.
Kahn, Lester, Jersey City, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Comb or similar article. 160,711, Oct. 31.
Kahn, Mack, Cedarhurst, N. Y. Girdle. 157,869, Mar. 28.
Kahn, Noshad, Detroit, Mich. Swimming float. 160,712, Oct. 31.
Kahn, Robert, Highland Park, Ill. Educational and recreational instrument. 159,416, July 25.
Kaiser, Carl O.: *See*— Decker, Walter J., Sr., and Kaiser.
Kaiser Fleetwings, Inc., assignee: *See*— Daniels, Elmer H.
Kaiser-Frazer Corporation, assignee: *See*— Cadawallader, Robert.
Darrin, Howard A.
Hammond, Dean B., and Cadwallader.
Lindbergh, Howard V., and Weissinger.
Robillard, Robert J.
Kalamazoo Sled Company, The, assignee: *See*— Vavrik, Louis.
Kalvig, Lewis J., Hackensack, Minn. Artificial lure. 159,990, Sept. 5.
Kalvig, Lewis J., Hackensack, Minn. Game board. 160,863, Nov. 14.
Kamin, Samuel, assignor to Neon Products, Inc., Lima, Ohio. Wall clock. 158,079, Apr. 11.
Kaminski, Aloysius J., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Housing for an automobile lamp lens. 158,289, Apr. 25.
Kaminski, Aloysius J., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Automobile lamp lens. 158,290, Apr. 25.
Kamm, Ethel O.: *See*— Wendelin, Rudolph A., and Kamm.
Kamp, George B., Lansdowne, assignor to American National Dispensing Co., Lansdale, Pa. Vending machine. 158,580, May 16.
Kamp, George B., Philadelphia, assignor to Zippo Manufacturing Company, Bradford, Pa. Table lighter. 157,870, Mar. 28.
Kamp, George B., Philadelphia, assignor to Zippo Manufacturing Company, Bradford, Pa. Table lighter. 157,871, Mar. 28.
Kandarian, Belle A., Fresno, Calif. Toilet seat. 161,108, Dec. 5.
Kansas City Centennial Association, assignee: *See*— Dietzel, Louis H.
Kaplan, Harry, and S. Eidinger, Brooklyn, N. Y. Corner radio or utility shelf. 157,052, Jan. 31.
Kaplowitz, Morris, and M. Hirsch, New York, N. Y., assignors to Federal Manufacturing & Engineering Corp. Cooking utensil or similar article. 160,864, Nov. 14.
Karchenes, George, Watertown, Mass. Child's seat or similar article. 157,376, Feb. 21.
Karfiol, Edward, Great Neck, assignor to Royal Lace Paper Works, Brooklyn, N. Y. Doily. 158,291, Apr. 25.
Karfiol, Edward, Great Neck, assignor to Royal Lace Paper Works, Brooklyn, N. Y. Doily. 158,581, May 16.
Karfiol, Edward, Great Neck, assignor to Royal Lace Paper Works, Inc., Brooklyn, N. Y. Doily. 159,417, July 25.
Karfiol, Edward, Great Neck, assignor to Royal Lace Paper Works, Inc., Brooklyn, N. Y. Doily. 159,418, July 25.
Karns, James A., assignor to Fawick-Flexi-Grip Company, Akron, Ohio. Golf club. 160,396, Oct. 10.
Karp, Edward C., assignor to Sanitary Scale Company, Belvidere, Ill. Meat slicer. 159,734, Aug. 15.
Karp, Max S., Los Angeles, Calif. Extension table. 157,377. Feb. 21.
Karp, Paul, Los Angeles, Calif. Necktie. 161,269, Dec. 19.
Karstadt, Clarence, Glen Ellyn, Ill., assignor to Birtman Electric Company. Electric motor. 160,713, Oct. 31.
Karton, Harold, Burbank, Calif. Automobile wind deflector or similar article. 159,813, Aug. 22.
Katke, Thomas C., Wauwatosa, assignor to Milwaukee Board of School Directors, Milwaukee, Wis. Finger ring. 160,609, Oct. 24.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Bracelet or similar article. 156,738, Jan. 3.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Bracelet or similar article. 156,739, Jan. 3.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Bracelet. 156,740, Jan. 3.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 156,887, Jan. 17.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 156,888, Jan. 17.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 156,889, Jan. 17.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 156,890, Jan. 17.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch or similar article. 156,891, Jan. 17.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 156,892, Jan. 17.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 156,893, Jan. 17.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 156,894, Jan. 17.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch or similar article. 156,895, Jan. 17.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch or similar article. 156,896, Jan. 17.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Bracelet or similar article. 156,897, Jan. 17.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 156,898, Jan. 17.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 156,899, Jan. 17.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 156,964, Jan. 24.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch or similar article. 156,965, Jan. 24.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 156,966, Jan. 24.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch or similar article. 156,967, Jan. 24.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch or similar article. 156,968, Jan. 24.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch or similar article. 156,969, Jan. 24.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch or similar article. 156,970, Jan. 24.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch or similar article. 156,971, Jan. 24.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch or similar article. 157,157, Feb. 7.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch or similar article. 157,158, Feb. 7.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch or similar article. 157,159, Feb. 7.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 157,160, Feb. 7.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 157,161, Feb. 7.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 157,162, Feb. 7.
Katz, Adolph, Providence, R. I. Earring or similar article. 157,163, Feb. 7.
Katz, Adolph, Providence, R. I. Separable brooch or similar article. 157,164, Feb. 7.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 157,165, Feb. 7.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 157,166, Feb. 7.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 157,167, Feb. 7.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 157,168, Feb. 7.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 157,169, Feb. 7.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 157,264, Feb. 14.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 157,603, Mar. 7.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 157,962, Apr. 4.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 157,963, Apr. 4.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 157,964, Apr. 4.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 157,965, Apr. 4.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 157,966, Apr. 4.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 157,967, Apr. 4.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 157,968, Apr. 4.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Bracelet or similar article. 157,969, Apr. 4.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 157,970, Apr. 4.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 157,971, Apr. 4.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 157,972, Apr. 4.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 157,973, Apr. 4.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 157,974, Apr. 4.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 157,975, Apr. 4.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 157,976, Apr. 4.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 157,977, Apr. 4.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 158,080, Apr. 11.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 158,081, Apr. 11.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 158,082, Apr. 11.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article.. 158,083, Apr. 11.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 158,084, Apr. 11.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 158,085, Apr. 11.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 158,086, Apr. 11.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 158,087, Apr. 11.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 158,088, Apr. 11.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New Yok, N. Y. Brooch or similar article. 158,089, Apr. 11.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 158,090, Apr. 11.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 158,091, Apr. 11.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 158,092, Apr. 11.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 158,093, Apr. 11.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 158,094, Apr. 11.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 158,386, May 2.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 158,387, May 2.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 158,582, May 16.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 158,583, May 16.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 158,584, May 16.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 158,585, May 16.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 158,586, May 16.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 158,587, May 16.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Bracelet or similar article. 158,588, May 16.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 158,589, May 16.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 158,590, May 16.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 158,591, May 16.
Katz, Adoloh, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 158,592, May 16.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 158,593, May 16.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 158,594, May 16.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Bracelet or similar article. 158,750, May 30.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 158,751, May 30.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Bracelet or similar article. 158,752, May 30.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar arttiele. 158,753, May 30.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 158,754, May 30.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 158,755, May 30.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Bracelet or similar article. 158,756, May 30.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 158,757, May 30.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 158,758, May 30.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Bracelet or similar article. 158,759, May 30.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Bracelet or similar article. 158,760, May 30.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 158,761, May 30.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Bracelet or similar article. 158,762, May 30.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Bracelet or similar article. 158,763, May 30.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 158,764, May 30.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 158,861, June 6.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 158,862, June 6.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 158,863, June 6.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 158,864, June 6.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 158,865, June 6.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 158,866, June 6.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 158,867, June 6.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 158,868, June 6.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 159,072, June 20.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 159,073, June 20.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 159,074, June 20.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 159,075, June 20.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Pin clip or similar article. 159,076, June 20.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 159,077, June 20.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 159,078, June 20.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 159,211, July 4.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Bracelet or similar article. 159,266, July 11.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 159,267, July 11.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 159,268, July 11.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 159,269, July 11.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 159,270, July 11.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 159,271, July 11.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 159,272, July 11.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 159,273, July 11.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 159,274, July 11.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 159,275, July 11.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 159,419, July 25.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Bracelet or similar article. 159,626, Aug. 8.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 159,627, Aug. 8.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 159,628, Aug. 8.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 159,629, Aug. 8.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 159,630, Aug. 8.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 159,631, Aug. 8.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch or similar article. 159,632, Aug. 8.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 159,633, Aug. 8.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 159,634, Aug. 8.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 159,635, Aug. 8.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Bracelet or similar article. 159,636, Aug. 8.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 159,637, Aug. 8.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 159,638, Aug. 8.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 159,639, Aug. 8.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 159,640, Aug. 8.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 159,641, Aug. 8.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 159,642, Aug. 8.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Clip or similar article. 159,909, Aug. 29.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 160,610, Oct. 24.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 160,611, Oct. 24.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 160,612, Oct. 24.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Bracelet or similar article. 160,613, Oct. 24.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 160,614, Oct. 24.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 160,615, Oct. 24.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 160,616, Oct. 24.
Katz Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 160,617, Oct. 24.
Katz Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 160,618, Oct. 24.
Katz Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 160,619, Oct. 24.
Katz Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 160,620, Oct. 24.
Katz Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 160,621, Oct. 24.
Katz Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 160,622, Oct. 24.
Katz Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 160,623, Oct. 24.
Katz Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 160,624, Oct. 24.
Katz Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 160,625, Oct. 24.
Katz Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 160,626, Oct. 24.
Katz Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 160,627 Oct. 24.
Katz Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 160,628, Oct. 24.
Katz Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 160,629, Oct. 24.

Katz Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 160,630, Oct. 24.
Katz Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 160,631, Oct. 24.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 161,184, Dec. 12.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 161,185, Dec. 12.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 161,186, Dec. 12.
Katz, Charles, Baltimore, Md. Umbrella. 158,765, May 30.
Katz, Joseph L., New York, N. Y. Orphrey or similar article. 157,960, Apr. 4.
Katz, Joseph L., New York, N. Y. Orphrey or similar article. 157,961, Apr. 4.
Katz, Max, Fort Worth, Tex. Bed comforter. 161,346, Dec. 26.
Katz, Rose, New York, N. Y. Place mat or the like. 159,212, July 4.
Katz, Rose, New York, N. Y. Place mat or the like. 159,213, July 4.
Katz, Russell S.: *See*—
Musch, William F., and Katz.
Katz, Russell S., assignor to P. Benninghofen and E. C. Diesbach, Hamilton, Ohio, trustees. Autographic register. 156,737, Jan. 3.
Katz, Russell, assignor to P. Benninghofen and E. C. Diesbach, trustees, Hamilton, Ohio. Bracket. 157,170, Feb. 7.
Katzenberger, Edward F., Bridgeport, assignor to United Aircraft Corporation, East Hartford, Conn. Body for a helicopter. 160,865, Nov. 14.
Katzman, Max, Brooklyn, N. Y. Vaporizer cover or similar article. 158,095, Apr. 11.
Kauffman, Dorothy B., Cleveland, Ohio. Necktie holder. 156,741, Jan. 3.
Kaufman, Herman, New York, N. Y. Lace. 157,980, Apr. 4.
Kaufman, Murray A., assignor to White Rose Jewelry Manufacturing Co., Inc., New York, N. Y. Jewelry display container or similar article. 157,978, Apr. 4.
Kaufman, Murray A., assignor to White Rose Jewelry Manufacturing Co., Inc., New York, N. Y. Combined display container and decorative vase or similar article. 157,979, Apr. 4.
Kaufman, Samuel J., New York, N. Y. Combined clock and supporting easel therefor. 158,096, Apr. 11.
Kaufman, Samuel J., New York, N. Y. Combined clockcase and cigarette lighter. 158,097, Apr. 11.
Kaufman, Samuel J., New York, N. Y. Clockcase or similar article. 158,098, Apr. 11.
Kaufman, Samuel J., New York, N. Y. Clockcase or similar article. 158,099, Apr. 11.
Kaufman, Samuel J., New York, N. Y. Clock or similar article. 159,420, July 25.
Kaufman, Samuel J., New York, N. Y. Clock or similar article. 159,421, July 25.
Kaufman, Sol, New York, N. Y. Combined vanity case and lipstick holder. 157,265, Feb. 14.
Kaupmann, Frederick, Brooklyn, N. Y., assignor to Ronson Art Metal Works, Inc., Newark, N. J. Cigar lighter or similar article. 160,714, Oct. 31.
Kaupmann, Frederick, Brooklyn, N. Y., assignor to Ronson Art Metal Works, Inc., Newark, N. J. Cigar lighter or similar article. 160,715, Oct. 31.
Kaupmann, Frederick, Brooklyn, N. Y., assignor to Ronson Art Metal Works, Inc., Newark, N. J. Cigar lighter or similar article. 160,716, Oct. 31.
Kaveney, Jerremiah R., Erie, Pa. Cherry pitter. 157,981, Apr. 4.
Kay, Inc., assignee: *See*—
Ross, Harry L.
Kay, Rose, New York, N. Y. Textile fabric. 157,684, Mar. 14.
Kaye, Martin, New York, N. Y., assignor to The Goodyear Rubber Company, Middletown, Conn. Child's rain boot or the like article. 159,490, Aug. 1.
Kayware Corporation, assignee: *See*—
Detzel, Jacob J.
Keane, Henry J.: *See*—
Pilkey, Harold W., and Keane.
Keast, Alfred H., San Francisco, Calif. Dice set. 158,196, Apr. 18.
Keast, Alfred H., San Francisco, Calif. Game board. 159,735, Aug. 15.
Kenton, Clyde D., Woodstown, N. J. Dish drainer. 158,100, Apr. 11.
Keck, Zoma S., Canandaigua, N. Y. Brassière. 156,742, Jan. 3.
Keeler Brass Company, assignee: *See*—
Rettich, Kurt.
Keeler, Henry C., Sherman Oaks, Calif. Mailbox. 158,292, Apr. 25.
Keenan, John T., trustee: *See*—
White, William.
Keiper, Bert F., East Orange, N. J. Portable grass trimmer. 161,109, Dec. 5.
Kellett Aircraft Corporation, assignee: *See*—
Barnett, Charles A.
Kellogg, Everett J., Columbus, assignor, by mesne assignments, to Reconstruction Finance Corporation, Cleveland, Ohio. Shingle. 160,866, Nov. 14.
Kelly, Geraid R., Mystic, Iowa, and D. D. Davies, Minneapolis, assignors to Ace Plastic Products, Inc., Fergus Falls, Minn. Combined child's dish and cup. 159,643, Aug. 8.
Kelly, Hugh, assignor to Perfex Corporation, Milwaukee, Wis. Thermostat. 157,685, Mar. 14.
Kelly, James E., Los Angeles County, Calif. Condiment shaker. 158,068, Apr. 11.
Kelly, Joseph W., Norwood, and A. W. Fairbanks, Cheviot, assignors to Sport Products, Inc., Cincinnati, Ohio. Athletic shirt. 159,155, June 27.
Kelly, Joseph W., Norwood, and A. W. Fairbanks, Cheviot, assignors to Sport Products, Inc., Cincinnati, Ohio. Athletic shirt. 159,156, June 27.
Kelsey-Hayes Wheel Company, assignee: *See*—
Sinclair, Charles W.
Kelton, Dawn G., assignee: *See*—
Backie, John L.
Kenlit Mfg. Co., assignee: *See*—
Glassman, Richard.
Kennedy, Chester R., Lakeville, Mass. Antiskid jacket for pneumatic tires or similar article. 158,668, May 23.
Kennedy, Chester R., Lakeville, Mass. Antiskid jacket for pneumatic tires or similar article. 158,669, May 23.
Kennedy, Walter W., assignor to Barber-Colman Company, Rockford, Ill. Combined air distribution outlet and lighting fixture. 156,743, Jan. 3.
Kent, Richard, New York, N. Y. Dummy book or similar article. 158,869, June 6.
Kent, Sherie, assignor to D. Ornstein & Sons, Corporation, New York, N. Y. Combined wrist watch and strap therefor. 156,744, Jan. 3.
Kent, Sherie, assignor to D. Ornstein & Sons Corporation, New York, N. Y. Combined wrist watch and strap therefor. 156,745, Jan. 3.
Kent, Sherie, assignor to D. Ornstein & Sons Corporation, New York, N. Y. Combined wrist watch and strap therefor. 156,746, Jan. 3.
Kestenbaum, Howard, Great Neck, N. Y. Perfume container. 157,498, Feb. 28.
Keuthan, Fred B. and F. W., assignors to The Sargent-Gerke Co., Indianapolis, Ind. Open front display cabinet. 159,644. Aug. 8.
Keuthan, Fred W.: *See*—
Keuthan, Fred B. and F. W.
Keyes Fibre Company, assignee: *See*—
Harper, Fred C.
Keystone Lamp Mfg. Corp., assignee: *See*—
Goldstein, Arnold.
Keystone View Company, assignee: *See*—
Pettingell, Charles M.
Khattar, Nasri N., New York, N. Y. Arabic alphabet. 157,982, Apr. 4.
Khattar, Nasri N., New York, N. Y. Arabic alphabet. 157,983, Apr. 4.
Kidd, Wesley E., Glen Ellyn, assignor to Sears, Roebuck and Co., Chicago, Ill. Phonograph needle. 158,101, Apr. 11.
Kidney, Richard D.: *See*—
Victoreen, John A., Bevis, Bush, and Kidney.
Kiekhaefer, Elmer C., Cedarburg, Wis. Outboard motor. 159,814, Aug. 22.
Kiernan, Jeanne, New York, N. Y. Combined handbag, shopping bag, and memoranda holder. 157,266, Feb. 14.
Kilburg, James, Burlingame, assignor to James Kilburg Corporation, San Mateo, Calif. Automatic telephone dialer. 160,867, Nov. 14.
Kilburg, James Corporation, assignee: *See*—
Kilburg, James.
Kilner, Janet C., Romeo, assignor to Dow Corning Corporation, Midland, Mich. Rubber sheeting. 157,499, Feb. 28.
Kimberley, Fred A., Greet, Birmingham, assignor to The James Cycle Company Limited, Birmingham, England. Motorcycle frame. 158,197, Apr. 18.
Kinderkraft Shoes, Inc., assignee: *See*—
Murphy, Francis J.
Kinfolks Incorporated, assignee: *See*—
Case, Dean J.
King, Henry T., Detroit, Mich. Medallion housing for an automobile hood. 160,502, Oct. 17.
King, Jay F.: *See*—
White, Joseph N., and King.
King, Jay F., Marietta, and J. N. White, assignors to The Atlanta Stove Works, Inc., Atlanta, Ga. Heater. 158,293, Apr. 25.
King, Walton O., Mount Clemens, Mich. Game board. 157,500, Feb. 28.
King's College, assignee: *See*—
Reynolds, John D., III.
Kingson, Justin I., New York, N. Y. Tinsel appliquéd fabric. 160,947, Nov. 21.
Kingsnorth, Robert J., Bexley, assignor to The General Electric Company Limited, London, England. Case for a photographic exposure meter. 157,378, Feb. 21.
Kinne, Harold N., assignor to C. E. Bobenmyer, Peoria, Ill. Vending machine cabinet. 156,972, Jan. 24.
Kinne, Harold N., assignor to Corson E. Bobenmyer, Peoria, Ill. Vending machine cabinet. 156,973, Jan. 24.

Kipnis, Benjamin, Brooklyn, N. Y. Cast metal appliqué filigree. 160,717, Oct. 31.
Kipnis, Benjamin, Brooklyn, N. Y. Cast metal appliqué filigree. 160,718, Oct. 31.
Kipp, Helen B., Pasadena, Calif. Figurine. 156,900, Jan. 17.
Kircher, Ralph N., and L. E. Finch, assignors to West Bend Aluminum Co., West Bend, Wis. Food grinder. 161,270, Dec. 19.
Kirchner, Arnold, Milwaukee, Wis. Velocipede. 158,466, May 9.
Kirk, Samuel, & Son, Inc., assignee: *See*— Millspaugh, Martin L.
Kirkell, Leon H., Blairsville, Pa., assignor to Blairsville Machine Products Company. Toy gun. 159,276, July 11.
Kirkpatrick, William J. G., Islington, Ontario, Canada. Burial vault. 157,872, Mar. 28.
Kirkwood, Ersel F., and S. L. Stevens, Salem, Oreg. Finger ring. 158,198, Apr. 18.
Kirman, Alexander O., assignor to Thermoplex International, Inc., New York, N. Y. Pitcher or the like. 160,177, Sept. 19.
Kirsch, David, and N. Avrashow, Los Angeles, Calif. Dispenser for cigarette packages and like objects. 158,199, Apr. 18.
Kirsch, Jane, New York, N. Y. Apron. 157,053, Jan. 31.
Kisling, Jacob W., St. Louis, Mo. Air circulator unit. 157,501, Feb. 28.
Kisling, Jacob W., St. Louis County, Mo. Air circulator unit. 160,948, Nov. 21.
Kistner, Herman H., Glen Ridge, N. J. Combined scraper and holder for brushes. 158,388, May 2.
Kitzes, Samuel, New York, N. Y. Handbag. 157,984, Apr. 4.
Klagges, Henry C., Collingswood, N. J., and H. E. Steinberg, Philadelphia, Pa., assignors to The Esterbrook Pen Company, Camden, N. J. Desk inkwell unit. 157,267, Feb. 14.
Klauber, Fred, New York, N. Y. Embroidered fabric or similar article. 159,277, July 11.
Klebanoff, Michael: *See*— Glickman, Mannes N., and Klebanoff.
Klein, Philip, Maplewood, assignor to Gilbert Plastics, Inc., Newark, N. J. Spectacle case or similar article. 158,670, May 23.
Klein, Philip, Maplewood, N. J. Party basket or similar article. 160,178, Sept. 19.
Klein, Stephen, assignor to Barton, Inc., Brooklyn, N. Y. Candy confection. 157,873, Mar. 28.
Kleiner, Ira A., Pontiac, Mich. Fishhook releasing device. 158,595, May 16.
Klepper, Arthur A., Forest Hills, N. Y. Hanging shelf. 160,632, Oct. 24.
Klepper, Arthur A., deceased, by I. Klepper, executrix, Forest Hills, N. Y. Lamp reflector. 161,187, Dec. 12.
Klepper, Irina, executrix: *See*— Klepper, Arthur A.
Kliegl, Joseph, Queens Village, N. Y. Spotlight. 158,200, Apr. 18.
Klik Enterprises, Inc., assignee: *See*— Meyers, Louis G.
Kline, Joseph M., Indianapolis, Ind. Automobile hood porthole plug. 158,671, May 23.
Klingberg, Arthur F., assignor to Park Sherman Company, Chicago, Ill. Coin bank. 159,910, Aug. 29.
Kloss, Emma E., Chicago, Ill. Game board. 160,719, Oct. 31.
Klotz, Murray, New York, N. Y. Combined vanity case and lipstick holder. 157,502, Feb. 28.
Klotz, Murray, New York, N. Y. Handbag. 159,214, July 4.
Klug, Rolland E., Glen Ellyn, Ill. Macerator and juice extractor. 161,188, Dec. 12.
Kluson, John E., assignor to Kluson Manufacturing Company, Chicago, Ill. Gear case for a stringed musical instrument tuning head. 160,397, Oct. 10.
Kluson, John E., assignor to Kluson Manufacturing Company, Chicago, Ill. Gear case for a stringed musical instrument tuning head. 160,398, Oct. 10.
Kluson, John E., assignor to Kluson Manufacturing Company, Chicago, Ill. Gear case for a stringed musical instrument tuning head. 160,399, Oct. 10.
Kluson, John E., assignor to Kluson Manufacturing Company, Chicago, Ill. Gear case for a stringed musical instrument tuning head. 160,400, Oct. 10.
Kluson Manufacturing Company, assignee: *See*— Kluson, John E.
Knapp, Andrew S., assignor to Knapp-Monarch Company, St. Louis, Mo. Sprayer for insecticide or the like. 158,467, May 9.
Knapp, Andrew S., assignor to Knapp-Monarch Company, St. Louis, Mo. Spraying device or similar article. 158,468, May 9.
Knapp, Joseph F., Naugatuck, assignor to Knapp Machine Corporation, Waterbury, Conn. Photographic layout table. 156,747, Jan. 3.
Knapp Machine Corporation, assignee: *See*— Knapp, Joseph F.
Knapp-Monarch Company, assignee: *See*— Huffman, Russell I.
Knapp, Andrew S.
McCarron, Donald F.
Pass, Israel.
Knapp, Walter I., Detroit, Mich. Portable dishwashing machine. 157,171, Feb. 7.
Knee, Simon, Newark, N. J. Wallet. 157,054, Jan. 31.
Knee, Simon, Newark, N. J. Wallet. 157,055, Jan. 31.
Kneis, Karl, Los Angeles, Calif. Receptacle for discarded razor blades. 158,102, Apr. 11.
Knell, Aleck, Los Angeles, Calif. Traveling case. 160,949, Nov. 21.
Knibb, Leroy H., Sabot, Va., Extensible wrist watch band or similar article. 161,189, Dec. 12.
Knickerbocker Smoking Pipe Co., Inc., assignee: *See*— Lieber, Ben.
Knight, George C., Company, assignee: *See*— Knight, George C.
Knight, George C., assignor to George C. Knight Company, Detroit, Mich. Gas tank cap. 157,279, Feb. 21.
Knight, George C., assignor to George C. Knight Company, Detroit, Mich. Bracket for rearview mirrors. 158,201, Apr. 18.
Knight, George C., assignor to George C. Knight Company, Detroit, Mich. Exhaust pipe extension or similar article for an automobile. 160,324, Oct. 3.
Knight, George C., Detroit, assignor to George C. Knight Company, Oak Park, Mich. Exhaust pipe extension or similar article for an automobile. 160,503, Oct. 17.
Knight, George C., Detroit, assignor to George C. Knight Company, Oak Park, Mich. Exhaust pipe extension or similar article for an automobile. 160,504, Oct. 17.
Knight, George C., Detroit, assignor to George C. Knight Company, Oak Park, Mich. Exhaust pipe extension or similar article for an automobile. 160,505, Oct. 17.
Knight, George C., Detroit, assignor to George C. Knight Company, Oak Park, Mich. Automobile rearview mirror or similar article. 161,027, Nov. 28.
Knight, Hazel D., Seattle, Wash. Child's cowboy suit. 157,380, Feb. 21.
Knight, John W., Byesville, Ohio. Combination automobile hood ornament and display sign. 157,604, Mar. 7.
Knitmark Inc., assignee: *See*— Williamson, Ellen.
Knoll Associates, Inc., assignee: *See*— Saarinen, Eero.
Knorr, George, assignor of one-half to W. Knorr, Chicago, Ill. Memorandum card and pencil holder. 159,645, Aug. 8.
Knorr, Walter, assignee: *See*— Knorr, George.
Knowles, Edwin M., China Company, The, assignee: *See*— Hacker, Hans.
Knowles, Frederick G., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic flashlight apparatus. 161,110, Dec. 5.
Knowles, Joseph E., Santa Barbara, Calif. Water color paintbox. 156,974, Jan. 24.
Knowles, Joseph E., G. P. Davis, and S. Backus, Jr., Santa Barbara, Calif. Water color palette. 156,975, Jan. 24.
Koch, Gustav H., Springfield, Mass., assignor to Westinghouse Electric Corporation. Air inlet grille or the like. 158,672, May 23.
Koch, Harold E., Pewaukee, assignor to Hevi Duty Electric Company, Milwaukee, Wis. Electric heat-treating furnace. 159,215, July 4.
Koch, Lawrence G., Chicago, Ill., assignor to Spring-Air Company, Holland, Mich. Mattress border or the like. 158,294, Apr. 25.
Koch, Samuel J., Elmont, N. Y. Split core voltmeter-ammeter. 160,179, Sept. 19.
Koehler, George, Richlandtown, Pa. Lady's stocking. 160,401, Oct. 10.
Koester, Gerald F., Bronx, N. Y. Box. 159,157, June 27.
Kohn, Ignatz, New York, N. Y. Ash tray. 157,056, Jan. 31.
Kohn, Ignatz, New York, N. Y. Violin. 158,469, May 9.
Kolden, James O., Amherst Junction, Wis. Pair of tongs. 157,874, Mar. 28.
Kolesnikoff, Mark T., Los Angeles, Calif. Photographic enlarger. 160,090, Sept. 12.
Kollath, Francis C., assignee: *See*— Gould, Hugh B.
Kongieser, Harold G., and C. W. Weickers, Worcester, Mass. Clothes hanger. 160,790, Nov. 7.
Kono, Alexander, Flushing, N. Y. Spectacle frame. 158,766, May 30.
Kono, Alexander, Forest Hills, N. Y. Spectacle frame. 158,974, June 13.
Kono Manufacturing Company, The, assignee: *See*— Nesselroth, Frances R.
Konokawa, Harry S., New York, N. Y. Bowl. 158,975, June 13.
Koomruian, Harry, New York, N. Y. Shoe. 158,470, May 9.
Koplar, Alan E., Chicago, Ill. Clock case. 160,868, Nov. 14.
Koppelman, Harry, New York, N. Y. Combined playing card rack and holder. 158,870, June 6.
Korinek, John, assignee: *See*— Tarrant, William R.
Korn, Bernard B., assignee: *See*— Streeter, Leo R.
Koski, Jacob I., Ashtabula, Ohio. Fish lure. 158,871, June 6.
Koslovsky, Isidore, New York, N. Y. Brassière. 156,901, Jan. 17.

Kovàcs, Theodor, Hannover, Germany. Writing instrument. 160,180, Sept. 19.
Kowalewski, John J., Bronx, N. Y., assignor to Electrolux Corporation, Old Greenwich, Conn. Hanger for vacuum cleaners or the like. 157,763, Mar. 21.
Kracke, Jack M., Flushing, N. Y. Lace or the like. 157,686, Mar. 14.
Kramer, Irving, White Plains, N. Y. Desk. 157,381, Feb. 21.
Kramer, Louis, New York, N. Y. Brooch or similar article. 159,646, Aug. 8.
Kranz, Harry W., Lakewood, assignor to The Cleveland Welding Company, Cleveland, Ohio. Bicycle. 160,402, Oct. 10.
Krapp, Joseph W., Katonah, N. Y. Spinning top. 157,985, Apr. 4.
Krappman, Andrew J., assignor to Fox West Coast Theatres Corporation, Los Angeles, Calif. Popcorn container. 157,172, Feb. 7.
Krasnow, Kenneth, Hartsdale, N. Y. Belt buckle. 157,382, Feb. 21.
Krasnow, Kenneth, New York, N. Y. Plastic belt. 157,173, Feb. 7.
Krause, Elizabeth, St. Louis, Mo. Facial massage iron. 157,605, Mar. 7.
Krause, Mayo D., Burlingame, Calif. Container for food products. 157,875, Mar. 28.
Krause, Richard S., and G. L. Beckstrom, assignors to Autopoint Company, Chicago, Ill. Combined letter opener and magnifying lens. 158,767, May 30.
Kregger, Henry C., Compton, Calif. Swing. 161,111, Dec. 5.
Kreisler, Jacques, New Rochelle, N. Y., assignor to Jacques Kreisler Manufacturing Corporation, North Bergen, N. J. Watch band or similar article. 159,991, Sept. 5.
Kreisler, Jacques, Manufacturing Corporation, assignee: *See*—
Epstein, Ralph.
Kreisler, Jacques.
Speck, Kurt.
Stern, Tobias.
Krepela, Ruby R., Inglewood, Calif. Ash tray. 158,471, May 9.
Kress, George H.: *See*—
Sundberg, Carl W., and Kress.
Kress, George H., Vestal, assignor to International Business Machines Corporation, New York, N. Y. Combined key punch and ticket feeder. 157,876, Mar. 28.
Kress, George H., Vestal, assignor to International Business Machines Corporation, New York, N. Y. Cabinet for an electronic calculator. 158,768, May 30.
Kress, George H., Vestal, N. Y., and C. W. Sundberg, Detroit, Mich., assignors to International Business Machines, Corporation, New York, N. Y. Card reader for a computing machine. 157,503, Feb. 28.
Kress, George H., Vestal, N. Y., and C. W. Sundberg, Detroit, Mich., assignors to International Business Machines, Corporation, New York, N. Y. Printer for a computing machine. 157,504, Feb. 28.
Kress, George H., Vestal, N. Y., and C. W. Sundberg, Detroit, Mich., assignors to International Business Machines, Corporation, New York, N. Y. Card punch for a computing machine. 157,505, Feb. 28.
Kress, George H., Vestal, N. Y., and C. W. Sundberg, Detroit, Mich., assignors to International Business Machines, Corporation, New York, N. Y. Console for a computing machine. 157,506, Feb. 28.
Kress, George H., Vestal, N. Y., and C. W. Sundberg, Detroit, Mich., assignors to International Business Machines Corporation, New York, N. Y. Key punch. 160,720, Oct. 31.
Kress, George H., Vestal, N. Y., and C. W. Sundberg, Detroit, Mich., assignors to International Business Machines Corporation, New York, N. Y. Card sorter. 160,721, Oct. 31.
Kress, George H., Vestal, N. Y., and C. W. Sundberg, Detroit, Mich., assignors to International Business Machines Corporation, New York, N. Y. Card controlled accounting machine. 160,722, Oct. 31.
Krieger, Ada I., New York, N. Y. Spectacle case. 159,080, June 20.
Kriser Corporation, The, assignee: *See*—
Blatner, Milton W., and Sachson.
Krohm, Fred A., Gary, Ind., assignor to Productive Inventions, Inc. Mirror. 158,872, June 6.
Kromex Corporation, assignee: *See*—
Ziskin, Manuel S., and Billig.
Kronmiller, Carl G., Edina, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control instrument casing. 157,687, Mar. 14.
Kruck, Ralph E., Clinton, Conn., assignor to Majestic Manufacturing Company, St. Louis, Mo. Combination range. 157,877, Mar. 28.
Kruck, Ralph E., Clinton, Conn., assignor to Westinghouse Electric Corporation. Flatiron. 158,295, Apr. 25.
Kruck, Ralph E., Clinton, Conn., assignor to Florence Stove Company, Gardner, Mass. Range. 160,950, Nov. 21.
Kruck, Ralph E., Clinton, Conn., assignor to Florence Stove Company, Gardner, Mass. Range. 160,951, Nov. 21.
Krueger, Frank W., Saratoga, assignor to James Graham Manufacturing Co., Newark, Calif. Combination cooking top, backguard, and shelf for a range. 157,688, Mar. 14.
Krumm, Thomas F., Toledo, Ohio. Decorative drapery supporting fixture. 160,181, Sept. 19.
Kruse, Carl H., assignee: *See*—
Phipps, Frank A.
Kubiak, Zygmunt, Cleveland, Ohio. Child's sled. 160,869, Nov. 14.
Kuehnert, Nellie, assignee: *See*—
Kuehnert, Otto E.
Kuehnert, Otto E., assignor of one-half to N. Kuehnert, Selinsgrove, Pa. Stocking. 159,216, July 4.
Kuenstner, Ernst K., Milwaukee, Wis. Hair band. 158,103, Apr. 11.
Kump, Ernest J., Jr., San Francisco, Calif. Desk and seat combination. 159,992, Sept. 5.
Kump, Ernest J., Jr., San Francisco, Calif. School desk. 159,993, Sept. 5.
Kunzmann Chain Company, assignee: *See*—
Kunzmann, Richard E.
Kunzmann, Richard E., assignor to Kunzmann Chain Company, Providence, R. I. Ornamental chain for a bracelet or similar article. 159,079, June 20.
Kurlash Company, Inc., The, assignee: *See*—
Tuttle, William R., and Beldue.
Kurtzman, Reeva, Golden, Colo. Chair for children. 158,472, May 9.
Kurz-Kasch, Inc., assignee: *See*—
Hitchcock, Richard E.
Sundberg, Carl W.
Kurzman, Harold P., assignor to Lily of France, Inc., New York, N. Y. Brassière. 160,506, Oct. 17.
Kushner Engineering Company, assignee: *See*—
Kushner, Seymour and M.
Kushner, Max, Brooklyn, N. Y. Lantern. 159,422, July 25.
Kushner, Max, Brooklyn, N. Y. Lantern. 159,423, July 25.
Kushner, Max, Brooklyn, N. Y. Light fixture. 160,791, Nov. 7.
Kushner, Max, Brooklyn, N. Y. Lantern. 161,347, Dec. 26.
Kushner, Morris: *See*—
Kushner, Seymour and M.
Kushner, Seymour and M., assignors to Kushner Engineering Company, Detroit, Mich. Fish lure or similar article. 158,873, June 6.
Kutchma, Liuba, New York, N. Y. Adjustable neckline blouse. 159,736, Aug. 15.
Kvarnstrom, Alfred T., Walled Lake, Mich. Collapsible high chair. 160,633, Oct. 24.
Kwik-Mix Company, assignee: *See*—
Jones, Daniel C.
Kwikset Locks, Inc., assignee: *See*—
Schoepe, Adolf.
Laboratory Furniture Co., Inc., assignee: *See*—
Arcularius, Charles D.
Arcularius, Charles du B.
Lacek, John A., assignor to Daniel Green Company, Dolgeville, N. Y. Slipper or similar article. 160,091, Sept. 12.
Lacher, Rose, New York, N. Y. Textile fabric or similar article. 158,976, June 13.
Lachman, Richard M., Seattle, Wash. Wrist watch case or the like. 157,606, Mar. 7.
Lachman, Richard M., Seattle, Wash. Wrist watch case or the like. 157,607, Mar. 7.
Lack, Jon K., Beverly Hills, Calif. Plant watering device. 158,596, May 16.
La Crosse Trailer Corporation, assignee: *See*—
Stevens, Clifford B.
Lady Esther, Ltd., assignee: *See*—
Busiel, Alfred.
La Fever, Mortier W., Jr., New Orleans, La. Combined toy wagon and trailer. 160,792, Nov. 7.
Lafferty, William L., Providence, R. I., assignor to Reed and Barton, Taunton, Mass. Spoon or similar article. 157,689, Mar. 14.
Lafferty, William L., Providence, R. I., assignor to Reed and Barton, Taunton, Mass. Spoon or similar article. 159,349, July 18.
Lafferty, William L., Providence, R. I., assignor to Reed and Barton, Taunton, Mass. Spoon or similar article. 159,737, Aug. 15.
Lahr, Herman, Grosse Pointe Woods, assignor to The Bela Company, Detroit, Mich. Combined folding table, seats, and cabinet therefor. 158,473, May 9.
Lahr, Peter W., assignor, by mesne assignments, to S. C. Johnson & Son, Inc., Racine, Wis. Floor polisher. 157,268, Feb. 14.
Lakow, Albert R., Jamaica, N. Y. Shoe or similar article. 158,389, May 2.
Lakow, Albert R., Jamaica, N. Y. Shoe or similar article. 158,390, May 2.
Lamb, Albert, Schenectady, assignor to Gloversville Knitting Co., Gloversville, N. Y. Glove. 158,474, May 9.
Lambert, Raoul A., Springfield, Mass., assignor to Westinghouse Electric Corporation. Casing for a beverage dispenser. 158,673, May 23.
Lambertz, Ruth, San Francisco, Calif. Ballerina doll. 157,174, Feb. 7.

Lamm, Carl O., Stockholm, Sweden. Casing for a hand-driven address printing machine. 156,748, Jan. 3.
Lamoreaux, Willard C., Norwalk, Conn. Portable spinning and twisting machine. 158,475, May 9.
Lampl, Walter, Jr., New York, N. Y. Pin or similar article. 159,491, Aug. 1.
Lamprecht, Joseph A., Cranford, N. J. Bottle carrier or similar article. 160,634, Oct. 24.
Landau, Sam, New York, N. Y. Negligee coat or similar article. 158,977, June 13.
Landau, Sam, New York, N. Y. Negligee coat or similar article. 158,978, June 13.
Landau, Sam, New York, N. Y. Negligee coat. 158,979, June 13.
Landau, Sam, New York, N. Y. Negligee coat. 159,081, June 20.
Landau, Sam, New York, N. Y. Negligee coat. 159,815, Aug. 22.
Landeborn, Sven W., Stockholm, Sweden. Pencil sharpener. 158,296, Apr. 25.
Landell, Harper, assignor to The International Electronics Company, Philadelphia, Pa. Office dictation machine. 157,764, Mar. 21.
Landert, Pauline A., St. Louis, Mo. Blouse with a reversible front. 159,158, June 27.
Landes, Joseph D., Jr.: *See*—
Harvey, Bennet B., and Landes, Jr.
Landgraf, Jacob T., Freeport, assignor to H. D. Hudson Manufacturing Company, Chicago, Ill. Float type immersion heater for stock watering tanks or the like. 158,476, May 9.
Landorf, Sam., assignor to Joseph Love, Inc., New York, N. Y. Dress. 157,690, Mar. 14.
Landsman, Joseph, W. P., and R. L., Chicago, Ill. Interior automobile door trim panel. 160,723, Oct. 31.
Landsman, Robert L.: *See*—
Landsman, Joseph, W. P., and R. L.
Landsman, Warren P.: *See*—
Landsman, Joseph, W. P., and R. L.
Landy, Otto, Chicago, Ill. Trundle toy. 158,769, May 30.
Lane, David, assignor to Progress Manufacturing Company Inc., Philadelphia, Pa. Fluorescent lamp holder. 160,870, Nov. 14.
Lane, Virgil O., Arcadia, Calif. Automobile door latch flanging tool. 157,057, Jan. 31.
Lang, Irving M., North Bergen, N. J. Watchcase. 157,691, Mar. 14.
Lang, James E., Cudahy, Wis. Farm building. 160,325, Oct. 3.
Lang, Sandy, Chicago, Ill. Tethered ball game device. 159,492, Aug. 1.
Lang, Sandy, Chicago, Ill. Tethered ball game device. 161,190, Dec. 12.
Langer, Samuel J., Troy, N. Y., assignor to Tek Hughes, Inc. Brush. 157,058, Jan. 31.
Langer, William M., Berlin, N. J. Stocking. 158,202, Apr. 18.
Langlais, Pascal, New York, assignor to Onondaga Pottery Company, Syracuse, N. Y. Dinner plate or similar article. 158,391, May 2.
L'Anglais, Pascal, New York, assignor to Onondaga Pottery Company, Syracuse, N. Y. Dinner plate or similar article. 161,191, Dec. 12.
La Paglia, Alphonse, Summit, N. J. Salad fork or the like. 160,264, Sept. 26.
Lapham, Walter A., assignor to E. J. Brach & Sons, Chicago, Ill. Showcase. 157,059, Jan. 31.
Lapham, Walter A., assignor to E. J. Brach & Sons, Chicago, Ill. Showcase. 157,765, Mar. 21.
Lapin Products, Inc., assignee: *See*—
Pakula, Robert S.
La Resista Corset Co., assignee: *See*—
Smith, Howard A.
Larkin, Kenneth H., Kansas City, Mo. Swimming pool. 160,871, Nov. 14.
La Roe, Cornelius J., New York, N. Y. Utility light. 160,793, Nov. 7.
La Rosa, V., & Sons, Inc., assignee: *See*—
Femina, Felice D.
Larsen, Karl R., Aitkin, Minn. Combined bait and lure. 156,749, Jan. 3.
Larssen, Lucy, New York, N. Y. Blouse or similar article. 156,750, Jan. 3.
Larsson, Ralph A.: *See*—
Hose, Robert H., and Larsson.
LaSalle Extension University, assignee: *See*—
Nichols, Windfrey C.
Lasar, Lionel, Forest Hills, N. Y. Sock or similar article. 159,647, Aug. 8.
Lasar, Lionel, Forest Hills, N. Y. Sock or similar article. 159,648, Aug. 8.
Lasar, Lionel, Forest Hills, N. Y. Sock or similar article. 159,649, Aug. 8.
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Lasar, Lionel, Forest Hills, N. Y. Sock or similar article. 159,652, Aug. 8.
Lasar, Lionel, Forest Hills, N. Y. Sock or similar article. 159,653, Aug. 8.
Lasar, William, Los Angeles, Calif. Meat cutting band saw. 160,326, Oct. 3.
La Scola, Steven, Bloomfield, N. J. Perfume dispenser. 158,203, Apr. 18.
Laskowitz, Joseph F., St. Louis, Mo. Chair. 157,269, Feb. 14.
La Tocha, Eugene, Cleveland, Ohio. Game apparatus. 158,597, May 16.
La Tour, Clifford S., assignor to Lyn-Chicago Corporation, Chicago, Ill. Infant's dish. 159,350, July 18.
La Trell, Jack K., Glendale, Calif. Underwater spear gun. 159,082, June 20.
Lattuca, John, Brooklyn, N. Y. Party basket. 159,424, July 25.
Laub, Leon C., New Rochelle, N. Y. Hollow metal molding. 157,175, Feb. 7.
Laub, Leon C., New Rochelle, N. Y. Hollow metal molding. 157,176, Feb. 7.
Lauer, Max, New York, N. Y. Shoe. 159,493, Aug. 1.
Lauer, Max, New York, N. Y. Shoe. 159,494, Aug. 1.
Lauer, Robert J., Huntington Woods, assignor to General Motors Corporation, Detroit, Mich. Combined automobile fender and rear quarter panel. 158,104, Apr. 11.
Laufer, Jack, assignor to Cromwell Manufacturing Corporation, Brooklyn, N. Y. Watch band clasp. 158,392, May 2.
Law, Alexander M., assignor to Easy Washing Machine Corporation, Syracuse, N. Y. Casing for a washing machine. 160,265, Sept. 26.
Law, Nina I., Colorado Springs, Colo. Boot scraper. 159,351, July 18.
Law, Walter B. and W. B., Dunellen, N. J. Coffee urn. 157,383, Feb. 21.
Law, Warren B.: *See*—
Law, Walter B. and W. B.
Lawlor, William, Eagle Rock, Calif. Sanitary shield for bottles. 160,635, Oct. 24.
Lawrence, Alexander, New York, N. Y. Grooming rack. 156,976, Jan. 24.
Lawrence, Wallace C., and H. L. Horsman, assignors to Mustang Moccasin Company, Bandera, Tex. Moccasin. 158,770, May 30.
Lawson, David E., assignor to Hupp Corporation, Cleveland, Ohio. Beverage vending machine. 157,384, Feb. 21.
Layne, Ollyn A., South Pasadena, Calif. Griddle. 156,977, Jan. 24.
Lazarus, Hettye S., New York, N. Y. Cap or the like. 157,177, Feb. 7.
Leading Engine Company, The, assignee: *See*—
Benjamin, Harry S., and De Harte.
Lear, Incorporated, assignee: *See*—
Lear, William P.
Lear, William P., Santa Monica, Calif., assignor to Lear, Incorporated, Grand Rapids, Mich. Frame for a wire recorder or similar apparatus. 157,608, Mar. 7.
Leavin, William H., New York, N. Y. Cast metal appliqué filigree. 159,654, Aug. 8.
Lebovitz, Jack, Pittsburgh, Pa., assignor, by mesne assignments, to C. E. Dippel & Company, New York, N. Y. Meat mold. 161,192, Dec. 12.
Lecomte, Germaine, assignor to Parfums Germaine Lecomte Societe a Responsabilite Limitee, Paris, France. Perfume container. 157,507, Feb. 28.
Lederer, Robert E., assignor to Hotel Sherman, Inc., Chicago, Ill. Light fixture. 160,636, Oct. 24.
Lee, Basil A.: *See*—
Izzi, Edmund L., Hill, and Lee.
Lee, Charles, and C. Johnson, Eau Claire, Wis. Coat hanger supporting hook for automobiles. 157,878, Mar. 28.
Lee, Eleanor S., Chicago, Ill. Doll. 159,655, Aug. 8.
Lee, Helen, Los Angeles, Calif. Barbecue apron. 160,182, Sept. 19.
Lee Products Company, assignee: *See*—
Lee, Vincenzo J.
Lee, Raymond E., Beverly Hills, Calif. Hair cutting and shaping device. 159,994, Sept. 5.
Lee Rubber & Tire Corporation, assignee: *See*—
Nellen, Arthur H.
Lee, Vincenzo J., assignor to Lee Products Company, Cleveland, Ohio. Sudsing device. 158,204, Apr. 18.
Lee, Vincenzo J., Cleveland, Ohio. Combination airfilter, insecticide, and vaporizer attachment for a vacuum cleaner. 160,183, Sept. 19.
Leebaw, Herbert S., Youngstown, Ohio. Lighting fixture display stand. 158,980, June 13.
Leebow, Albert, East Rockaway, N. Y., assignor to Berkeley Industries, Jersey City, N. J. Necktie support or similar article. 158,105, Apr. 11.
Leebow, Albert, East Rockaway, N. Y., assignor to Berkeley Industries, Jersey City, N. J. Combined razor support and magazine for razor blades, or similar article. 158,297, Apr. 25.
Leech, Aubrey B., Los Angeles, Calif. Animated display device. 157,270, Feb. 14.
Leese, Edward F., Everett, Wash. Change-maker. 159,425, July 25.
Legler, J. Edward, Fresno, Calif. Slide clarinet. 159,738, Aug. 15.
Lehman, Carl E., Evanston, Ill. Faucet attachment. 158,298, Apr. 25.
Lehner, Charles D., Long Island City, N. Y., assignor to Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn. Carpet or the like. 157,060, Jan. 31.

Leich Electric Company, assignee: *See*—
Currier, Hiram D.
Leissing, Albert H., Franklin, Mass. Earring display case. 158,205, Apr. 18.
Leiter, Harry H., assignee: *See*—
Longfellow, Earl E.
Leitner, Arthur S., Los Angeles, Calif. Combination book-end and vase or similar article. 158,206, Apr. 18.
Leitner, Arthur S., Los Angeles, Calif. Half boot book end or similar article. 160,637, Oct. 24.
Leitz, E., Inc., assignee: *See*—
Huisgen, Julius.
Stevens, Clifford B.
Le John Manufacturing Co. Inc., assignee: *See*—
Nisenson, Jules.
Leland, Warren B., Spokane, Wash. Time reminder. 159,278, July 11.
Lelong, Lucien, Inc., assignee: *See*—
Buckingham, John D.
Buckingham, John D., and Fink.
Lench, Benjamin, Los Angeles, assignor to Romalite Company, Culver City, Calif. Dispensing box. 158,207, Apr. 18.
Lennartz, Garfield P., Chicago, Ill. Radiator grill for automobiles. 160,184, Sept. 19.
Lentheric, Incorporated, assignee: *See*—
McIntosh, Frank.
Lent-Koop, Theodore R., Detroit, Mich. Housing for an automobile rear deck lid handle. 160,507, Oct. 17.
Lenz, June L., Fort Washington, Md. Child's clothes rack. 160,403, Oct. 10.
Leonow, Fred W., Cleveland, Ohio. Game board. 157,385, Feb. 21.
Lepore, Pasquale J., Somerville, assignor to Sylvania Electric Products Inc., Salem, Mass. Fluorescent lighting fixture. 159,426, July 25.
Lerman, Ben, assignor to Mastercrafters Clock & Radio Company, Chicago, Ill. Clock. 157,879, Mar. 28.
Lerman, Ben, assignor to Mastercrafters Clock & Radio Company, Chicago, Ill. Clock. 157,986, Apr. 4.
Lerman, Ben, assignor to Mastercrafters Clock & Radio Company, Chicago, Ill. Clock. 157,987, Apr. 4.
Lerman, Ben, assignor to Mastercrafters Clock & Radio Company, Chicago, Ill. Clockcase. 157,988, Apr. 4.
Lerman, Ben, assignor to Mastercrafters Clock & Radio Company, Chicago, Ill. Clock housing. 161,348, Dec. 26.
Leser, Tina, New York, N. Y. Brassière. 159,816, Aug. 22.
Lester, Harold L., Boscobel, Wis. Vehicle light. 161,193, Dec. 12.
Leterstone Sales Co., assignee: *See*—
Juergens, John.
Lett, Robert L., and C. Hedrick, La Crosse, Wis. Neon tube lighted advertising display. 161,349, Dec. 26.
Leventhal, Louis, assignor of one-half to N. Freyer, New York, N. Y. Plaque. 161,350, Dec. 26.
Leveque, Arthur, Philipstown, N. Y. Spur. 158,598, May 16.
Levich, Morris C., New York, N. Y. Toy animal figure. 158,393, May 2.
Levich, Morris C., New York, N. Y. Toy animal figure. 158,394, May 2.
Levin, Abraham S., Philadelphia, Pa. Homogenizing bowl. 157,766, Mar. 21.
Levin, Eugene, Dallas, Tex. Disinfecting garbage container. 161,028, Nov. 28.
Levine, Abraham, Elizabeth, N. J. Luggage lock or the like. 156,751, Jan. 3.
Levine, Abraham, assignor to J. B. Stier, New York, N. Y. Coaster or similar article. 158,981, June 13.
Levine, Benjamin, Flushing, N. Y. Golf cap. 160,404, Oct. 10.
Levine, David, assignor to Crest Lock Co., Inc., New York, N. Y. Fitting for a luggage case or similar article. 158,874, June 6.
Levine, Gabriel, West Hartford, Conn. Cookstove. 157,609, Mar. 7.
Levine, Irving, assignee: *See*—
Christie, Frederik.
Levine, Rachelle, Leominster, Mass. Mothball container. 161,351, Dec. 26.
Levinger, Paul, assignor to Speidel Corporation, Providence, R. I. Expansible chain for a bracelet or similar article. 160,185, Sept. 18.
Levinson, Benjamin L., assignor to Electric Animals, Inc., New York, N. Y. Toy mouse. 160,794, Nov. 7.
Levinson, Benjamin L., assignor to Electric Animals, Inc., New York, N. Y. Toy elephant. 160,795, Nov. 7.
Levy, Abraham, assignor to United Metal Goods Manufacturing Co., Inc., Brooklyn, N. Y. Clock. 160,405, Oct. 10.
Levy, Harold, New York, N. Y. Lady's stocking. 160,796, Nov. 7.
Levy, Harold, New York, N. Y. Lady's stocking. 160,797, Nov. 7.
Levy, Richard A., Philadelphia, Pa. Jar carrier. 158,477, May 9.
Lewand, Henry G., assignor to Philco Corporation, Philadelphia, Pa. Combined clock and radio. 158,982, June 13.
Lewin, Nina, assignor to Roberson Fabrics, Inc., New York, N. Y. Textile fabric or similar article. 158,771, May 30.
Lewin, Nina, assignor to Roberson Fabrics, Inc., New York, N. Y. Textile fabric or similar article. 158,772, May 30.
Lewis, Alfred M., Incorporated, assignee: *See*—
Wheeler, Leonard A.
Lewis, Burdette R., and J. L. Slocum, Rochester, Mich. Automobile hood ventilator grille. 159,817, Aug. 22.
Lewis, Elsie M., Rockville Centre, assignor to Edgar C. Hyman Co., Inc., New York, N. Y. Scarf. 157,178, Feb. 7.
Lewis, Elsie M., Rockville Centre, assignor to Edgar C. Hyman Co., Inc., New York, N. Y. Scarf. 157,271, Feb. 14.
Lewis, Fred H., Wilmette, Ill. Cup dispenser housing. 158,106, Apr. 11.
Lewis, Joseph M., Wichita Falls, Tex. Air conditioner cabinet or the like. 156,902, Jan. 17.
Lewis, Sally, Brooklyn, N. Y. Blouse or similar article. 159,352, July 18.
Lewis, Sally, Brooklyn, N. Y. Blouse or similar article. 159,353, July 18.
Lewis, Sally, Brooklyn, N. Y. Blouse or similar article. 159,354, July 18.
Lewison, Harold J., assignee: *See*—
Winter, Louis.
Lewyt Corporation, assignee: *See*—
Lippincott, Joshua C.
Liberty Hosiery Mills, Inc., assignee: *See*—
Williams, Charlie L.
Liberty, Normand P., Farmington, N. H. Shoe. 158,395, May 2.
Libson, Philip, Brooklyn, assignor to Helena Rubinstein, Inc., New York, N. Y. Lipstick holder casing. 158,396, May 2.
Liddell, William: *See*—
Greenwood, William A., and Liddell.
Lidholm, Lyle E., Burlington, Wis. Container. 158,107, Apr. 11.
Liebel-Flarsheim Company, The, assignee: *See*—
Goode, Godfrey P.
Liebel, Neal W., Erie, Pa. Combined tray and receptacle holder. 158,397, May 2.
Lieber, Ben, assignor to Knickerbocker Smoking Pipe Co. Inc., Brooklyn, N. Y. Smoking pipe. 156,978, Jan. 24.
Lieberman, Samuel, Boston, Mass. Knife sharpener. 159,279, July 11.
Liebowitz, Leonard, assignor to Style-Rite Optical Corporation, Brooklyn, N. Y. Frame for spectacles. 158,398, May 2.
Lieder, Lydia, New York, N. Y. Telephone register holder. 160,724, Oct. 31.
Ligon, Leonard J., Glendale, Calif. Container for fishing tackle and the like. 157,610, Mar. 7.
Lilja, Ernest L., assignor to Chamberlain, Inc., Chicago, Ill. Carafe. 160,186, Sept. 19.
Lillyblad, Robert H., and J. A. Broersma, assignors to American Brass Novelty Company, Grand Haven, Mich. Toilet seat hinge. 157,272, Feb. 14.
Lily of France, Inc., assignee: *See*—
Kurzman, Harold P.
Lily-Tulip Cup Corporation, assignee: *See*—
Reifsnyder, James D., and Johnson.
Limbach, Curtis A., Hartsdale, N. Y. Narrow textile fabric or the like. 160,952, Nov. 21.
Limpus, Robert W., New York, N. Y. Combination bed and couch. 159,995, Sept. 5.
Limpus, Robert W., New York, N. Y. Rocking chair. 160,092, Sept. 12.
Lincoln Engineering Company, assignee: *See*—
Fox, Alexander P.
Fox, Alexander P., and Reisert.
Lincoln, Rhoba B., East Bakersfield, Calif. Electric iron. 158,674, May 23.
Lindberg, Howard V., Belleville, and H. F. Weissinger, Franklin, assignor to Kaiser-Frazer Corporation, Willow Run, Mich. Hood ornament. 161,029, Nov. 28.
Lindblom, Frank W., Warwick, R. I., assignor to Welsh Manufacturing Company. Spectacle frame. 157,061, Jan. 31.
Lindblom, Frank W., Warwick, R. I., assignor to Welsh Manufacturing Company. Spectacle temple. 159,355, July 18.
Linde Air Products Company, The, assignee: *See*—
Jacobsson, Wilgot J.
Lindemann, Howard C., Great Neck, N. Y. Microscope lamp. 159,739, Aug. 15.
Linden, Joan, Los Angeles, Calif. Combined rosary and finger ring or the like. 159,495, Aug. 1.
Linden, Joan, Los Angeles, Calif. Wedding ring or similar article. 159,656, Aug. 8.
Lindenbaum, Bernard, Dayton, Ohio. Toy pistol. 157,767, Mar. 21.
Lindermuth, Alfred, assignor to Traver Corporation, Chicago, Ill. Hosiery envelope. 159,496, Aug. 1.
Lindgard, Leslie E., Seattle, Wash. Game board. 158,773, May 30.
Lindig, Alton L., Houston, Tex. Trailer. 158,875, June 6.
Lindstrom, John E., Aurora, Ill. Door grille or the like. 160,508, Oct. 17.
Linley, John W., Jr., Anderson, S. C. Sign. 158,599, May 16.
Linnard, Irvin R., Montclair, N. J. Combined nail lacquer bottle and applicator. 160,093, Sept. 12.
Linnartz, Charles J., Jr., Detroit, Mich. Toothpick dispenser. 159,280, July 11.

Linneman, Richard, Atlanta, Ga. Fruit juice dispenser. 161,271, Dec. 19.
Lionel Corporation, The, assignee: *See*—
Bonanno, Joseph L.
Linquist, William A., Minneapolis, Minn. Wheel chair. 161,112, Dec. 5.
Lipe, Howard A., assignor of one-half to H. E. Goings, Washington, D. C. Gearshift lever knob. 160,094, Sept. 12.
Lipic, Sylvester G., and W. E. Moore, St. Louis County, assignors to Ritepoint Co., St. Louis, Mo. Table lighter. 159,281, July 11.
Lipman, Isadore A., assignor to The Ellmore Silver Company, Inc., Meriden, Conn. Coaster trim element. 158,399, May 2.
Lipman, Isadore A., Meriden, Conn. Combination coaster and ash tray. 158,478, May 9.
Lipman, Julius, New York, N. Y. Lady's suit. 158,983, June 13.
Lipman, Julius, New York, N. Y. Lady's suit. 158,984, June 13.
Lipman, Julius, New York, N. Y. Dress ensemble. 159,740, Aug. 15.
Lipman, Julius, New York, N. Y. Dress ensemble. 159,741, Aug. 15.
Lipman, Julius, New York, N. Y. Dress ensemble. 159,742, Aug. 15.
Lipman, Julius, New York, N. Y. Dress ensemble. 159,743, Aug. 15.
Lippincott, Joshua G., Scarsdale, N. Y., assignor to Supurdisplay, Incorporated, Milwaukee, Wis. Display counter. 157,062, Jan. 31.
Lippincott, Joshua G., Scarsdale, assignor to Lewyt Corporation, Brooklyn, N. Y. Vacuum cleaner nozzle. 158,774, May 30.
Lippincott, Joshua G., Scarsdale, N. Y., assignor, by mesne assignments, to Bridgeport Moulded Products, Inc., Fairfield, Conn. Refrigerator tray. 159,356, July 18.
Lipshitz, Abraham, Flushing, N. Y. Dress. 159,357, July 18.
Lipshutz, Louis, New York, N. Y. Combined handbag and muff. 156,979, Jan. 24.
Little, John M., Toledo, Ohio, assignor to Westinghouse Electric Corporation. Refrigerator cabinet. 157,768, Mar. 21.
Little, John M., Toledo, Ohio, assignor to Westinghouse Electric Corporation. Range. 160,798, Nov. 7.
Littlejohn, Henry C., Lexington, assignor to General Radio Company, Cambridge, Mass. Electrical binding-post terminal. 161,030, Nov. 28.
Little Giant Vaporizer Co., Inc., assignee: *See*—
Goodman, Harry, and Wolfe.
Litwin, David P., Los Angeles, Calif. Hat or the like. 160,095, Sept. 12.
Livermore, Jesse L., assignor to Princess Eve Products Corp., New York, N. Y. Toiletry bottle or the like. 156,903, Jan. 17.
Living Designs, assignee: *See*—
Crawford, Clarence E.
Thatcher, Russell S.
Ljunggren, Ivan G. A., Solna, assignor to Aktiebolaget Cryptoteknik, Stockholm, Sweden. Self-inking marking device. 158,108, Apr. 11.
Lockheed Aircraft Corporation, assignee: *See*—
Rowe, Harbert D.
Lodes, Frederick G., Yonkers, assignor to Allied Chemical & Dye Corporation, New York, N. Y. Spray dispenser. 160,096, Sept. 12.
Lodes, Frederick G., Yonkers, assignor to Allied Chemical & Dye Corporation, New York, N. Y. Dispensing closure. 160,097, Sept. 12.
Lodes, Frederick G., Yonkers, assignor to Allied Chemical & Dye Corporation, New York, N. Y. Sealed dispenser. 160,098, Sept. 12.
Lodmell, Delia B., assignee: *See*—
Morris, Millard.
Lodmell, Leonard B., assignee: *See*—
Morris, Millard.
Loeschorn, Edward F.: *See*—
Elisayeff, Arline A., and Loeschorn.
Loewy, Raymond, New York, N. Y., assignor to General Motors Corporation, Dayton, Ohio. Lid for a refrigerator cabinet or similar article. 159,083, June 20.
Loewy, Raymond, New York, N. Y., assignor to General Motors Corporation, Dayton, Ohio. Refrigerator cabinet or similar article. 159,996, Sept. 5.
Lohbauer, Edward E., assignor to McGraw Electric Company, Elgin, Ill. Electric iron. 159,497, Aug. 1.
Lokey, Robert R., Jr., assignee: *See*—
Byron, Andrea.
Loma Plastics, Inc., assignee: *See*—
Rucker, J. W.
Lombardi, Cyrus, Brooklyn, N. Y. Lingerie buckle or similar article. 157,386, Feb. 21.
Lomsky, Irving, Cleveland, Ohio. Game board. 160,509, Oct. 17.
Lomsky, Irving, Cleveland, Ohio. Game board. 160,510, Oct. 17.
London, Milton H., Detroit, Mich. Ticket receiving cabinet. 157,692, Mar. 14.
Long, Harry G., Los Angeles, Calif. Berry basket or the like. 158,479, May 9.
Long, Harry G., Los Angeles, Calif. Berry basket or the like. 158,480, May 9.
Long, Paul H., Ravenna, Nebr. Nonskid tire. 157,693, Mar. 14.
Long, Robert L., assignor to E. C. Paige, Dallas, Tex. Door brace. 157,880, Mar. 28.
Longfellow, Earl E., assignor to H. H. Leiter, Warsaw, Ind. Leg exerciser. 158,675, May 23.
Longines-Wittnauer Watch Co., Inc., assignee: *See*—
Newhouse, Leon M.
Warren, Fred.
Lopata, Ira L., Elizabeth, N. J. Homogenizing attachment. 158,109, Apr. 11.
L'Opera Hosiery Mill, Inc., assignee: *See*—
Friedrich, Robert, Jr.
Lorenzen, Arnold I., Toledo, Ohio, assignor to Pal, Inc., Washington, D. C. Beverage bottle. 160,187, Sept. 19.
Lorenzen, Pearl B., assignor to The Urikit Co., Toledo, Ohio. Sanitary bowl or the like. 158,985, June 13.
Lormor, Henry W., Cleveland Heights, Ohio. Coat and pants hanger. 157,273, Feb. 14.
Love, Joseph, Inc., assignee: *See*—
Landorf, Sam.
Love, Louis L., Philadelphia, Pa. Combined comb and brush. 158,986, June 13.
Loveland, Warren W., La Crosse, Wis. Glass dial. 158,600, May 16.
Low, James E., Worcester, Mass. Double-ended pull toy for pet animals. 159,744, Aug. 15.
Lowe, Joe, Corporation, assignee: *See*—
Von Losberg, Lester W.
Lowe, Kenneth, East Alton, Ill. Wheel spinner. 160,327, Oct. 3.
Lowell Specialty Company, assignee: *See*—
Fletcher, Lynn.
Lowell, Laurel, Weston, Mass. Household utility wagon. 158,876, June 6.
Lowres, Bert J., East Orange, assignor to Lowres Optical Mfg. Co., Newark, N. J. Visored sun glasses. 158,987, June 13.
Lowres Optical Mfg. Co., assignee: *See*—
Lowres, Bert J.
Luberoff, Louis, Jenkintown, Pa. Combination piano, radio, and phonograph. 159,911, Aug. 29.
Luberoff, Louis, Jenkintown, Pa. Composite musical instrument. 160,099, Sept. 12.
Lucas, Joseph, Limited, assignee: *See*—
Davis, Wilfrid H.
Luchetti, Pius, Corona, N. Y. Bric-a-brac wall shelf. 159,498, Aug. 1.
Ludwick, William L., Mount Carmel, assignor to The Peck, Stow & Wilcox Company, Southington, Conn. Shear. 157,611, Mar. 7.
Ludwig, Louis, Brooklyn, N. Y. Surface toggle switch. 158,601, May 16.
Ludwig, Louis, Brooklyn, N. Y. Range receptacle. 159,084, June 20.
Ludwig, Louis, Brooklyn, N. Y. Switch-socket for electric lamps. 160,638, Oct. 24.
Lueneburg, Walter C., Evanston, and J. L. Hvale, assignors to Ekco Products Company, Chicago, Ill. Handle for kitchen utensils or similar articles. 157,612, Mar. 7.
Lugar, Edgar T., Berkeley, Calif. Practice keyboard. 158,481, May 9.
Luketa, Frank J., Seattle, Wash. Lounge chair. 160,639, Oct. 24.
Lundgren, Dorothe, Fontana, Calif. Game board. 156,980, Jan. 24.
Lundquist, Oliver, assignor to Century Lighting, Inc., New York, N. Y. Electric lighting fixture. 158,208, Apr. 18.
Lundquist, Oliver, assignor to Century Lighting, Inc., New York, N. Y. Shell housing for an electric lighting fixture. 158,209, Apr. 18.
Lupton, William B., Portland, Oreg. Lollipop. 158,400, May 2.
Lussier, Joseph A., Watertown, Mass., assignor to The B. F. Goodrich Company, New York, N. Y. Shoe sole. 157,989, Apr. 4.
Lustig, Frank: *See*—
Nelson, Harris E., Lustig, and Schell.
Lustig, Frank, assignor to Revere Camera Company, Chicago, Ill. Magnetic tape recorder. 159,282, July 11.
Lustig, Frank, assignor to Revere Camera Company, Chicago, Ill. Motion-picture projector. 159,912, Aug. 29.
Lustig, Frank, assignor to Revere Camera Company, Chicago, Ill. Motion-picture projector carrying case. 160,100, Sept. 12.
Lustig, Frank, assignor to Revere Camera Company, Chicago, Ill. Camera case. 160,189, Sept. 19.
Lustig, Frank, and H. E. Nelson, assignors to Revere Camera Company Chicago, Ill. Motion-picture camera. 160,188, Sept. 19.
Lutz, Joseph C., St. Paul, Minn. Tire lift. 158,110, Apr. 11.
Lux, Frederick, Middlebury, Conn. Clock casing. 157,881, Mar. 28.
Lux, Frederick, Middlebury, Conn. Interval timer. 157,882, Mar. 28.
Lydick, Clarence J., Wichita, Kans. Display rack. 159,217, July 4.
Lyn-Chicago Corporation, assignee: *See*—
La Tour, Clifford S.
Lyon, Anthony, assignee: *See*—
Blake, William T., and Moore.
Lyon, George A., Detroit, Mich. Wheel cover or similar article. 157,387, Feb. 21.

Lyon, George A., Detroit, Mich. Wheel cover or similar article. 157,388, Feb. 21.
Lyon, George A., Detroit, Mich. Wheel cover or similar article. 157,389, Feb. 21.
Lyon, George A., Detroit, Mich. Wheel cover or similar article. 157,390, Feb. 21.
Lyon, George A., Detroit, Mich. Wheel cover or similar article. 157,391, Feb. 21.
Lyon, George A., Detroit, Mich. Wheel cover or similar article. 157,392, Feb. 21.
Lyon, George A., Detroit, Mich. Wheel cover or similar article. 157,393, Feb. 21.
Lyon, George A., Detroit, Mich. Wheel cover or similar article. 159,085, June 20.
Lyon, George A., Detroit, Mich. Wheel cover or similar article. 159,818, Aug. 22.
Lyon, George A., Detroit, Mich. Wheel cover or similar article. 159,819, Aug. 22.
Lyon, George A., Detroit, Mich. Wheel cover or similar article. 159,820, Aug. 22.
Lyon, George A., Detroit, Mich. Wheel cover or similar article. 159,821, Aug. 22.
Lyon, George A., Detroit, Mich. Wheel cover or similar article. 159,822, Aug. 22.
Lyon, George A., Detroit, Mich. Wheel cover or similar article. 159,823, Aug. 22.
Lyon, George A., Detroit, Mich. Wheel cover or similar article. 159,824, Aug. 22.
Lyon, George A., Detroit, Mich. Wheel cover or similar article. 159,825, Aug. 22.
Lyon, George A., Detroit, Mich. Wheel cover or similar article. 159,826, Aug. 22.
Lyon, George A., Detroit, Mich. Wheel cover or similar article. 159,827, Aug. 22.
Lyon, George A., Detroit, Mich. Wheel cover or similar article. 159,828, Aug. 22.
Lyon, George A., Detroit, Mich. Wheel cover or similar article. 159,829, Aug. 22.
Lyon, George A., Detroit, Mich. Wheel cover or similar article. 159,830, Aug. 22.
Lyon, George A., Detroit, Mich. Wheel cover or similar article. 159,831, Aug. 22.
Lyon, George A., Detroit, Mich. Wheel cover or similar article. 159,832, Aug. 22.
Lyon, George A., Detroit, Mich. Wheel cover or similar article. 160,511, Oct. 17.
Lyon, George A., Detroit, Mich. Wheel cover or similar article. 160,512, Oct. 17.
Lyon, George A., Detroit, Mich. Wheel cover or similar article. 160,513, Oct. 17.
Lyon, George A., Detroit, Mich. Wheel cover or similar article. 160,514, Oct. 17.
Lyons, John L., North Hollywood, Calif. Duplex condiment holder and dispenser. 156,752, Jan. 3.
Lyons-Magnus, Inc., assignee: *See*— Zweig, Leo.
M & M Distributing Co., assignee: *See*— Marty, Mathew J.
MacCann, George A., Pawtucket, assignor to The Wallace Co., Inc., Providence, R. I. Lapel emblem. 157,394, Feb. 21.
MacDonald, Alfred F., Los Angeles, Calif. Toothbrush. 160,101, Sept. 12.
Macdonald, John G., Goderich, Ontario, Canada. Vehicle cab. 159,913, Aug. 29.
Mackenzie, Kenneth W., assignor to United Refrigerator Company, Hudson, Wis. Ice cube maker. 159,914, Aug. 29.
MacKinnon, Margaret D., North Hollywood, Calif. Purse. 159,499, Aug. 1.
Mackitar, Socrates M., West New York, N. J. Display plate or similar article. 160,515, Oct. 17.
MacLeod, Bertram H., Lima, Ohio. Shoe sole. 161,031, Nov. 28.
Macomber, Allison R., Taunton, Mass., assignor to National Silver Company, New York, N. Y. Spoon or similar article of flatware. 157,274, Feb. 14.
Madden, James C., 3rd., assignor to Consolidated Lithographing Corporation, New York, N. Y. Packaging container or similar article. 158,111, Apr. 11.
Maddux, Forrest E., Sr., assignor to Wessel Bedding Company, Cincinnati, Ohio. Hollywood bed back. 160,872, Nov. 14.
Madl, Alfred W., Chicago, Ill. Combination pop-up and bun toaster. 158,210, Apr. 18.
Madieu, Gerard, Monaco, Monaco. Gameboard. 161,352, Dec. 26.
Madlock, Lana, Los Angeles, Calif. Comb. 157,769, Mar. 21.
Madlock, Lana, Los Angeles, Calif. Comb. 157,770, Mar. 21.
Magcoch, Harry Y., Havertown, assignor to Electric Service Manufacturing Co., Philadelphia, Pa. Electrical lighting unit. 160,640, Oct. 24.
Magnavox Company, The, assignee: *See*— Stone, Leland G.
Magnesi, Louis, Walnut Creek, Calif. Egg yolk separator. 158,604, May 16.
Magruder, Peyton M.: *See*— Ebel, William K., Magruder, and Bassett.
Maguolo, America T., St. Louis, Mo. Prie-dieu. 160,873, Nov. 14.
Maher, William A., Detroit, Mich. Combination drip molding and mounting bracket for automobile visor. 159,833, Aug. 22.
Maibach, John J., assignor to Harte & Company, Inc., New York, N. Y. Plastic film material or the like. 156,904, Jan. 17.
Maico Company, Incorporated, The, assignee: *See*— Watson, Leland A.
Maiden Form Brassiere Company, Inc., assignee: *See*— Coleman, Joseph A.
Maisch, Jacques E., New York, N. Y. Textile fabric. 159,086, June 20.
Maison Blanche Company, assignee: *See*— Schwarz, Lewis E., Jr.
Majestic Manufacturing Company, assignee: *See*— Kruck, Ralph E.
Majestic Silver Company, The, assignee: *See*— Baker, Milton B. and D. A.
Major, J., Company, assignee: *See*— Gust, Robert P.
Malinowski, Harry A., Meriden, assignor to Amston Silver Co., Inc., Amston, Conn. Fork or other article of flatware. 160,102, Sept. 12.
Malkin, Simon, New York, N. Y., assignor to Johnson & Johnson. Display stand. 158,775, May 30.
Malkin, Simon, New York, N. Y., assignor to Johnson & Johnson. Display stand. 158,776, May 30.
Malkin, Simon, New York, N. Y., assignor to Johnson & Johnson. Display stand. 158,777, May 30.
Maloney, F. H., assignee: *See*— Coliz, Waldemar J., and Eutsler, Jr.
Manas, Carl, New York, N. Y. Foot massage oscillator. 161,032, Nov. 28.
Manbert, Rush, assignor to Specialty Manufacturing Company, San Francisco, Calif. Sofa. 158,877, June 6.
Manchester Hosiery Mills, assignee: *See*— Wilcher, Abrasha.
Mandel, Harry, New York, N. Y. Hanger for picture frame or the like. 158,482, May 9.
Mandelbaum, Henry, New York, N. Y. Jacket or similar article. 160,799, Nov. 7.
Mandelbaum, Henry, New York, N. Y. Coat. 160,800, Nov. 7.
Mandelbaum, Henry, New York, N. Y. Jacket or similar article. 160,801, Nov. 7.
Mandell, Arthur, New York, N. Y. Combined flashlight and mirror. 158,483, May 9.
Manetti, Mario J., assignor to Plastic Novelty Co., Chicago, Ill. Calendar holder or the like. 158,484, May 9.
Manetti, Mario J., Chicago, assignor to E. G. Gantner, Morton Grove, Ill. Tissue dispenser. 158,485, May 9.
Mang, Edward B., Jr., Ridgewood, N. Y. Baseball gameboard. 158,988, June 13.
Manitowoc Shipbuilding Company, assignee: *See*— Winborn, Byron R., Jr.
Mann, Max, New York, N. Y. Hand stamp. 158,299, Apr. 25.
Mann, Morris, Brooklyn, N. Y. Teething ring. 161,353, Dec. 26.
Mannen, Orville, Fort Wayne, Ind. Clothes chest. 157,990, Apr. 4.
Manning, Joseph J., Philadelphia, Pa. Dispenser for shaving cream and toothpaste or the like. 158,778, May 30.
Manning, William, Chicago, Ill. Desk. 160,103, Sept. 12.
Manno, Salvatore J., New York, N. Y. Combination cracker and condiment tray or similar article. 160,725, Oct. 31.
Mansfield, Warren M., Glendale, assignor, by mesne assignments, to R. P. M. Davis, Los Angeles, Calif. Razor type hair trimmer. 157,063, Jan. 31.
Mansfield, Warren M., Glendale, assignor, by mesne assignments, to R. P. M. Davis, Los Angeles, Calif. Reversible hair trimmer. 157,064, Jan. 31.
Mantzowitz, Solomon, Brooklyn, N. Y. Pendant or similar article. 160,641, Oct. 24.
Mantzowitz, Solomon, Brooklyn, N. Y. Lapel pin or similar article. 160,642, Oct. 24.
Manuel, Cecil T., Dallas, Tex. Closet shoe rack or similar article. 161,354, Dec. 26.
Mapson, Donald L., Los Angeles, Calif. Display fixture. 159,997, Sept. 5.
Marano, Herbert W., Brooklyn, N. Y., assignor to Wilson Jones Company, Chicago, Ill. Stapling machine. 156,834; Jan. 10.
Marathon Company, assignee: *See*— Forman, Mack.
Marbourg, George E., Seattle, Wash. Wiggling fish lure. 160,643, Oct. 24.
Marcantonio, Daniel L., Westport, Conn. Food grinder. 157,395, Feb. 21.
Marcantonio, Daniel L., Westport, Conn. Food grinder. 157,396, Feb. 21.
Marcus, Sam, Newark, N. J. Combination ring and cigarette holder. 161,033, Nov. 28.
Marcy, John P., Alhambra, Calif. Radio cabinet. 161,355, Dec. 26.
Marder, Leo, Brooklyn, N. Y. Handle for mirror or like article. 159,427, July 25.
Marder, Leo, Brooklyn, N. Y. Hand mirror frame or like article. 159,428, July 25.
Margolin, Louis, New York, N. Y. Christmas stocking. 159,218, July 4.

Margulies, Walter P., New York, N. Y., assignor, by mesne assignments, to The Grove Laboratories, Inc., St. Louis, Mo. Bottle cap or the like. 158,486, May 9.
Markle, Willard G., New York, N. Y. Clip or similar article. 156,981, Jan. 24.
Marks, Arthur, Leesburg, Fla. Revolving whatnot shelf. 161,356, Dec. 26.
Marks, Irving S., New York, N. Y. Shorts or the like. 160,328, Oct. 3.
Marks, Maurice, Westport, Conn. Game device. 158,112, Apr. 11.
Marks, Max J.: *See*—
Schwartz, Martin W., and Marks.
Mars Engineering & Mfg. Co., assignee: *See*—
Ulmer, Theodore.
Marsac, Leonard C., Cranford, and W. J. Peets, assignors to The Singer Manufacturing Company, Elizabeth, N. J. Sewing machine. 158,113, Apr. 11.
Marsh, Harry C., Memphis, Tenn. Moving figure wheeled toy. 160,644, Oct. 24.
Marsh, Philip R., Euclid, Ohio. Pitcher. 160,516, Oct. 17.
Marsh Stencil Machine Company, assignee: *See*—
Marsh, Walton C.
Marsh, Walton C., assignor to Marsh Stencil Machine Company, Belleville, Ill. Combination fountain brush and marker or the like. 158,114, Apr. 11.
Marshall, Ann N., Taos, N. Mex. Toy animal figure. 160,874, Nov. 14.
Marshall, Houston B., and H. L. Baker, Fort Worth, Tex., assignors to E. W. Gist, Oklahoma City, Okla. Fishing lure. 160,802, Nov. 7.
Marshall, Iola G., Oakland, Calif. Cup or the like. 160,266, Sept. 26.
Marthinsen, Mads, Michigan City, Ind. Hammer. 161,034, Nov. 28.
Martin, Earnest E., Pasadena, Calif., assignor, by mesne assignments, to John Wood Manufacturing Company, Inc., New York, N. Y. Service station water and air dispensing column. 157,275, Feb. 14.
Martin, Glenn L., Company, The, assignee: *See*—
Ebel, William K., and Bortner.
Ebel, William K., Magruder, and Bassett.
Ebel, William K., and Pierson.
Ebel, William K., van Zelm, and Draut.
Martin, Harry M., Fort Lauderdale, Fla. Hood ornament. 159,219, July 4.
Martin, Hollinshead T.: *See*—
Murphy, Frank L., and Martin.
Martin, Robert W., Vancouver, Wash. Scraper. 159,429, July 25.
Martin, Thomas C., Natick, Mass. Toy animal figure or the like. 159,657, Aug. 8.
Martinet, Eugene F., Cleveland, Ohio, and J. R. Morgan, Chicago, Ill., assignors to The P. A. Geier Company, Cleveland, Ohio. Suction cleaner. 159,087, June 20.
Marty, Mathew J., assignor to M & M Distributing Co., Chicago, Ill. Combination brush drip guard and hanger. 158,211, Apr. 18.
Marvel Jewelry Mfg. Company, assignee: *See*—
Albanese, Arthur.
Marx, Arthur, Forest Hills, N. Y. Foldable table or like article. 158,878, June 6.
Marx, Leslie J., Cleveland, Ohio. Plumber's rotary snake tool. 158,605, May 16.
Marx, Louis, & Company, Inc., assignee: *See*—
Campbell, Laurie J.
Maryland Baking Company, Inc., assignee: *See*—
Heyman, Albert A.
Marzuoli, Paul L., Upper Darby, and J. B. O'Hara, Philadelphia, Pa. Handle for a scraping tool. 156,905, Jan. 17.
Masket Bros. Sportswear, Inc., assignee: *See*—
Masket, Raissa.
Masket, Raissa, assignor to Masket Bros. Sportswear, Inc., New York, N. Y. Blouse or similar article. 159,500, Aug. 1.
Masland, C. H., and Sons, assignee: *See*—
Fleck, Robert.
Mason Box Company, The, assignee: *See*—
Cinami, Armando R.
Mason, Jack H.: *See*—
Mason, Porter H., W. D., and J. H.
Mason, John G., Anderson, Ind. Torch. 160,104, Sept. 12.
Mason, Porter H., W. D., and J. H., Norfolk, Va. Stencil duplicator. 157,771, Mar. 21.
Mason, William D.: *See*—
Mason, Porter H., W. D., and J. H.
Massey, Emma J., executrix, assignee: *See*—
Massey, Ulyus G.
Massey, Ulyus G., E. J. Massey, executrix of said U. G. Massey, deceased, assignor to E. J. Massey, Ensley, Ala. Door. 157,179, Feb. 7.
Mast Development Company, Inc., assignee: *See*—
Mast, Gifford M., and Gannett.
Mast, Gifford M., and W. K. Gannett, assignors to Mast Development Company, Inc., Davenport, Iowa. Toilet seat and cover therefor. 157,397, Feb. 21.
Mastercrafters Clock & Radio Company, assignee: *See*—
Lerman, Ben.
Mather, Joseph S., Jr., Toledo, Ohio. Coffee-making device. 157,398, Feb. 21.
Mathes, George C.: *See*—
Chase, Herbert S., and Mathes.
Mathews, Franklin R., and H. L. Blanton, Washington, D. C. Drinking glass. 157,399, Feb. 21.
Mauck, Robert J., Detroit, Mich. Rain trough for an automotive vehicle swinging window. 157,991, Apr. 4.
Mauri, Umberto, Moltrasio, Italy, assignor to Edgar C. Hyman Co., Inc., New York, N. Y. Scarf. 159,745, Aug. 15.
Maxson, Clarence G.: *See*—
Ries, Edward J., and Maxson.
Maxwell, Elmer D., Booneville, Miss. Tool handle. 157,883, Mar. 28.
May Hosiery Mills, assignee: *See*—
Schwartz, Shepard B., and Blum.
May, James A., Akron, Ohio. Mailbox. 158,300, Apr. 25.
May, Le Roy, Paris, Ill. Portable traffic light. 160,190, Sept. 19.
Mayer China Company, assignee: *See*—
Spreier, Rudolph.
Wallace, Caroline.
Mayer, Milton, assignor to Vanity Corset Company, Inc., New York, N. Y. Brassière. 158,676, May 23.
Mayer, Theodore S., and P. E. Evans, Los Angeles, Calif. Shuffle board table. 159,501, Aug. 1.
Maytag Company, The, assignee: *See*—
Combs, Dudley P.
Mazer Bros., Inc., assignee: *See*—
Fleuridas, André.
McCallum, Walter H., San Francisco, and R. I. McLellan, assignors to E. W. McLellan Co., Colma, Calif. Flower holder. 159,658, Aug. 8.
McCammon, Cecil D., and L. L. Mikeworth, assignors to Ohio Oil Company, Robinson, Ill. Socket wrench. 160,267, Sept. 26.
McCandless, Guy, and O. W. Dunbar, St. Louis, Mo. Child's amusement device. 156,982, Jan. 24.
McCarron, Donald F., assignor to Knapp-Monarch Company, St. Louis, Mo. Adjustable nozzle hair drier or similar article. 158,779, May 30.
McCarron, Donald F., assignor to Knapp-Monarch Company, St. Louis, Mo. Waffle iron or similar article. 161,035, Nov. 28.
McCarthy, Joseph P., Binghamton, N. Y. Infant's feeding spoon. 160,406, Oct. 10.
McCloskey, Martin H. J., and A. P. Neil, Irvington, N. J. Teething device for babies. 158,606, May 16.
McCormick Brothers Company, assignee: *See*—
McCormick, Morris D.
McCormick, Morris D., Muncie, assignor to McCormick Brothers Company, Albany, Ind. Flour sifter. 160,726, Oct. 31.
McCowan, Barbara A.: *See*—
McCowan, David A., Jr., B. A., and P. M.
McCowan, David A., Jr., B. A., and P. M., Toronto, Ontario, Canada. Beverage dispensing apparatus. 159,502, Aug. 1.
McCowan, Peter M.: *See*—
McCowan, David A., Jr., B. A., and P. M.
McCurry, Warner A., Indianapolis, Ind. Table lamp. 157,613, Mar. 7.
McCutcheon, Paris S., Salem, assignor to Mrs. Day's Ideal Baby Shoe Company, Inc., Danvers, Mass. Shoe form or the like. 161,113, Dec. 5.
McDonald, Charles D., Dallas, Tex. Belt buckle. 159,284, July 11.
McDonald, Mary J., Arlington, Mass. Brush. 159,358, July 18.
McFadden, Ross M., Hollywood, Calif. Hair curler. 158,301, Apr. 25.
McGee, Joseph W., assignor to Delman, Inc., New York, N. Y. Shoe. 158,302, Apr. 25.
McGee, Joseph W., assignor to Delman, Inc., New York, N. Y. Shoe. 158,303, Apr. 25.
McGinnis, Joseph C.: *See*—
Williams, Wayne G., and McGinnis.
McGough, Patricia J., Pasadena, Calif. Cup or similar article. 158,304, Apr. 25.
McGraw Electric Company, assignee: *See*—
Barnes, James F.
Harling, Donald W.
Ireland, Murray.
Lohbauer, Edward E.
McGraw, Max.
McGraw, Max, and Cosgrove.
Reinecke, Jean O.
Van Ryan, Anthony.
McGraw, Jean, Los Angeles, Calif. Awning or similar article. 161,357, Dec. 26.
McGraw, Max, Chicago, assignor to McGraw Electric Company, Elgin, Ill. Electric iron. 159,504, Aug. 1.
McGraw, Max, Chicago, and A. E. Cosgrove, assignors to McGraw Electric Company, Elgin, Ill. Electric iron. 159,503, Aug. 1.
McIntosh, Frank, assignor to Lentheric, Incorporated, New York, N. Y. Bottle. 160,407, Oct. 10.
McIntosh, Frank, assignor to Lentheric, Incorporated, New York, N. Y. Bottle. 160,408, Oct. 10.
McKaig, Charles H., Camillus, assignor to Onondaga Pottery Company, Syracuse, N. Y. Dinner plate or similar article. 160,517, Oct. 17.
McKaig, Charles H., Camillus, assignor to Onondaga Pottery Company, Syracuse, N. Y. Dinner plate or similar article. 160,518, Oct. 17.

McKaig, Charles H., Camillus, assignor to Onondaga Pottery Company, Syracuse, N. Y. Dinner plate or similar article. 160,875, Nov. 14.
McKaig, Charles H., Camillus, assignor to Onondaga Pottery Company, Syracuse, N. Y. Dinner plate or similar article. 161,272, Dec. 19.
McKaig, Charles H., Camillus, assignor to Onondaga Pottery Company, Syracuse, N. Y. Dinner plate or similar article. 161,273, Dec. 19.
McKaig, Charles H., Camillus, assignor to Onondaga Pottery Company, Syracuse, N. Y. Dinner plate or similar article. 161,274, Dec. 19.
McKeefrey, Elvira C., New York, asignor to Model Brassiere Corp., Brooklyn, N. Y. Brassière. 159,505, Aug. 1.
McLellan, E. W., Co., assignee : *See*—
McCallum, Walter H., and McLellan.
McLellan, Roderick I. : *See*—
McCallum, Walter H., and McLellan.
McMillan, John D., assignor to Champion Products Company, Muskegon Heights, Mich. Fishing rod. 156,983, Jan. 24.
McNab, Allan, assignor to Allan McNab & Associates Inc., New York, N. Y. Shopping center. 161,114, Dec. 5.
McNab, Allan, & Associates Inc., assignee : *See*—
McNab, Allan.
McNair, Burrell T., Dallas, Tex. Smoker's ash tray or similar article. 157,884, Mar. 28.
McNair, Samuel L., Boston, and C. E. Wyman, Brockton, Mass. Electric hair drier or similar article. 158,607, May 16.
McNaughton, Howard, Kalamazoo, Mich. Combined cabinet stove and table. 158,989, June 13.
McNeill, Harry T., assignor to Sheboygan Chair Company, Inc., Sheboygan, Wis. Chair. 156,835, Jan. 10.
McNutt, Clara E., Toledo, Ohio. Thread picking and seam ripping implement. 158,677, May 23.
McRae, Joseph, New York, N. Y. Combination television, radio, phonograph cabinet. 160,727, Oct. 31.
McRae, Malcolm W., Park Ridge, and J. D. Pierce, Evanston, assignors to Crane Co., Chicago, Ill. Radiant convector baseboard panel or the like. 157,885, Mar. 28.
McRea, John S., assignor to The Sireno Company, Inc., New York, N. Y. Combined siren and spotlight or the like. 159,915, Aug. 29.
McReynolds, Flora, Ada, Okla. Badge or similar article. 159,998, Sept. 5.
McVickar, Malcolm : *See*—
Bacco, Stephen V., and McVickar.
McVicker, Paul R., Royal Oak, assignor of one-half to Emmett J. Carroll, Detroit, Mich. Vegetable slicer. 156,836, Jan. 10.
Mears, Edward E., Long Beach, Calif. Comb. 159,659, Aug. 8.
Mechanical Handling Systems, Inc., assignee : *See*—
Mullen, Edward, and Harris.
Medco Products Co. Inc., assignee : *See*—
Gessler, Harry C.
Medco Silver Co. Inc., assignee : *See*—
Gessler, Harry C.
Medgyes, Ladislas, assignor to Helena Rubinstein, Inc., New York, N. Y. Bottle cap. 157,065, Jan. 31.
Medici, Pasquale, assignor to United Metal Goods Manufacturing Co., Inc., Brooklyn, N. Y. Clock. 157,772, Mar. 21.
Medici, Pasquale, assignor to United Metal Goods Manufacturing Co., Inc., Brooklyn, N. Y. Clock. 157,773, Mar. 21.
Mefina S. A., assignee : *See*—
Casas Robert, Ramon.
Meier, William A., Rochester, Pa. Hollow stem crystal beer goblet. 161,115, Dec. 5.
Meierjohan, Ernest, Cincinnati, Ohio. Fishing rod handle. 156,984, Jan. 24.
Meister, Sam H., Shaker Heights, assignor, by mesne assignments, to Meistergram Corporation, Cleveland, Ohio. Monogramming machine. 158,780, May 30.
Meistergram Corporation, assignee : *See*—
Meister, Sam H.
Melcher, Abraham H., and R. B. Bailey, Los Angeles, Calif. Refreshment stand. 161,275, Dec. 19.
Melikian, Khoren C., and L. K. Rudd, Philadelphia, Pa. Beverage vending machine. 159,285, July 11.
Mell-Hoffmann Mfg. Co., assignee : *See*—
Mell, William E.
Mell, William E., assignor to Mell-Hoffmann Mfg. Co., Chicago, Ill. Shelf. 158,115, Apr. 11.
Mell, William E., assignor to Mell-Hoffman Mfg. Co., Chicago, Ill. Shelf. 158,116, Apr. 11.
Meltzer, Jack, New York, N. Y. Clock dial. 160,268, Sept. 26.
Melzian, Harley H., assignor of one-half to W. B. Ford Design Corporation, Detroit, Mich. Juvenile chair. 157,066, Jan. 31.
Merit Products, Inc., assignee : *See*—
Pokras, Harry.
Merke, Alois, Philadelphia, Pa. Combined holder and bottle unit. 159,746, Aug. 15.
Merles, Antoine J., Paris, assignor to Societe D'Applications Radio-Electriques A L'Aeronautique et La Marine S. A. R. A. M., Asnieres, France. Combined radio and motion-picture projector or similar article. 158,487, May 9.
Merritt, Robert J., Los Angeles, Calif. Vent for back guard rails of stoves. 157,886, Mar. 28.
Mesi, Phillip J., assignor to Totebrush, Inc., Chicago, Ill. Condiment container or similar article. 160,876, Nov. 14.
Metcalf, Harry H. : *See*—
Polan, Edwin G., and Metcalf.
Metlox Manufacturing Company, assignee : *See*—
Allen, Robert Y., and M. and E. K. Shaw.
Shaw, Evan K., and M., and Allen.
Metro, Paul, Brookfield, Ohio. Child's combined desk and toy chest, or the like. 157,067, Jan. 31.
Metropolitan Tool Works, assignee : *See*—
Barudin, Nathan J.
Mettler, Joseph A., Indianapolis, Ind. Captive ball game board. 160,953, Nov. 21.
Metzler, Charles J. : *See*—
Schladermundt, Peter, and Metzler.
Metzler, Charles L. : *See*—
Schladermundt, Peter, and Metzler.
Meyer, Carl X., assignor to Day-Brite Lighting, Inc., St. Louis, Mo. Fluorescent lighting fixture. 158,781, May 30.
Meyer, Carl X., St. Louis, and J. F. Whitehead, Jr., Kirkwood, assignors to Day-Brite Lighting, Inc., St. Louis, Mo. Louvered fluorescent lighting fixture. 158,782, May 30.
Meyer, Ernst A., Cincinnati, Ohio, and A. M. Deering, Chicago, Ill. ; said Deering assignor to said Meyer. Vessel. 157,992, Apr. 4.
Meyercord Company, The, assignee : *See*—
Adair, James E.
Meyers, Louis G., New York, N. Y., assignor to Klik Enterprises, Inc. Combined glove holder and handbag support. 159,834, Aug. 22.
Meyers, Louis G., New York, N. Y. Glove holding attachment for handbags or the like. 161,116, Dec. 5.
Michelson, Lawrence M., Clayton, assignor to Duro Chrome Corporation, St. Louis, Mo. Stool seat. 160,105, Sept. 12.
Midwest Metal Products Company, assignee : *See*—
Booth, John G.
Fink, Peter.
Mikeworth, Luther L. : *See*—
McCammon, Cecil D., and Mikeworth.
Mikkelson, Monroe J., Longmont, Colo. Chair. 160,409, Oct. 10.
Milani, Louis, Foods, Inc., assignee : *See*—
Hoffman, Gerald.
Milano, Nicholas, Euclid, Ohio. Waffle iron. 157,614, Mar. 7.
Miller Bros. Hat Co., Inc., assignee : *See*—
Bernstein, Sol.
Miller, Cecil, assignor to Consumer-Pak Machine Co., Pomona, Calif. Bag sealing unit. 157,180, Feb. 7.
Miller, Charles E., Des Plaines, assignor to Mills Industries, Incorporated, Chicago, Ill. Cabinet for bottle vending machine. 158,212, Apr. 18.
Miller, David, Lancaster, Pa. Umbrella handle. 160,519, Oct. 17.
Miller, Gordon B., Glendale, assignor to Gordon B. Miller & Company, Cincinnati, Ohio. Memo pad holder. 161,358, Dec. 26.
Miller, Gordon B., & Company, assignee : *See*—
Miller, Gordon B.
Miller, Hercheal W., Davenport, Iowa, assignor to American Machine and Metals, Inc., New York, N. Y. Garment press control panel or similar article. 156,906, Jan. 17.
Miller, Herman F., Los Angeles, Calif. Slide viewer. 159,916, Aug. 29.
Miller, Leon B., Stamford, Conn. Thermostat tester. 160,191, Sept. 19.
Miller, Leonidas C. : *See*—
Jones, George D., and Miller.
Miller, Morris N., Inglewood, Calif. Lamp standard. 157,068, Jan. 31.
Miller, Robert W., assignor to Republic Aviation Corporation, Farmingdale, N. Y. Amphibian airplane. 156,753, Jan. 3.
Miller, Rudy, assignor to Sirac, Inc., Brooklyn, N. Y. Infant's bottleholder or similar article. 160,192, Sept. 19.
Miller, Samuel, New York, and A. C. Emelin, Mamaroneck, assignors to Schenley Industries, Inc., New York, N. Y. Jar. 159,835, Aug. 22.
Millers Falls Company, assignee : *See*—
Huxtable, Robert W.
Millington, William, Grand Rapids, Mich., and W. M. Day, Norwood, assignors to The Baldwin Company, Cincinnati, Ohio. Piano case. 159,506, Aug. 1.
Millington, William, Grand Rapids, Mich., and W. M. Day, Norwood, assignors to The Baldwin Company, Cincinnati, Ohio. Piano case. 160,106, Sept. 12.
Mills Industries, Incorporated, assignee : *See*—
Miller, Charles E.
Mills Sales, Inc., assignee : *See*—
Bouterious, Arthur H.
Millspaugh, Martin L., assignor to Samuel Kirk & Son, Inc., Baltimore, Md. Spoon or similar article. 159,917, Aug. 29.
Milway Knitting Mills, Inc., assignee : *See*—
Tait, Wilhelmina.
Tait, William.
Milne, Harvey C., Winnipeg, Manitoba, Canada. Baby's spoon. 161,359, Dec. 26.

Milo, Joseph V., Union, N. J. Tank cap tool. 160,645, Oct. 24.
Milo, Joseph V., Union, N. J. Tank cap tool. 160,646, Oct. 24.
Milton, Paul E., San Lucas, Calif. Seed planter. 156,907, Jan. 17.
Milwaukee Board of School Directors, assignee: *See*— Katke, Thomas C.
Milwaukee Lace Paper Company, assignee: *See*— Hamilton, Kenneth C.
Mimar Products, Inc., assignee: *See*— Hutcheson, Ray R.
Minchenberg, David, New York, N. Y. Dress. 157,615, Mar. 7.
Minerley, Frederick K., Chicago, Ill. Suction operated floor cleaning tool. 157,774, Mar. 21.
Minneapolis-Honeywell Regulator Company, assignee: *See*— Booth, John G., and Davis. Kronmiller, Carl G. Smith, Earl F. Smith, Myron R., and Nickells. Wills, Walter P.
Minnesota Mining & Manufacturing Company, assignee: *See*— How, Roger F., and Whitnah.
Minovitz, Benjamin, assignee: *See*— Covey, Harry A.
Miran, Julius, Bronx, N. Y. Stocking. 158,488, May 9.
Miran, Julius, Bronx, N. Y. Stocking. 158,489, May 9.
Miran, Julius, Bronx, N. Y. Stocking. 158,490, May 9.
Miran, Julius, Bronx, N. Y. Stocking. 158,491, May 9.
Mirman, Rose, Paris, France. Toy animal figure or the like. 157,400, Feb. 21.
Miro Container Company, Inc., assignee: *See*— Rosenfield, Louis.
Mishawaka Rubber and Woolen Manufacturing Company, assignee: *See*— Burke, Robert J.
Missouri Automatic Control Corporation, assignee: *See*— Roos, Joe, Jr.
Mitchell, Howard K., Wichita, Kans. Shoe fitting stool. 159,999, Sept. 5.
Mitchell, Lucious, Auburn, Ala. Radiator shell. 157,401, Feb. 21.
Mitchell, Orrin J., assignor to Union Steel Chest Corporation, Le Roy, N. Y. Chest. 161,360, Dec. 26.
Mitchell, William L., Bloomfield Hills, assignor to General Motors Corporation, Detroit, Mich. Vehicle outside door handle. 158,305, Apr. 25.
Mitschke, Walter, assignor to Classic Weaving Corporation, North Bergen, N. J. Textile fabric. 157,616, Mar. 7.
Mitschke, Walter, assignor to Classic Weaving Corporation, North Bergen, N. J. Textile fabric. 157,617, Mar. 7.
Mitschke, Walter, assignor to Classic Weaving Corporation, North Bergen, N. J. Textile fabric. 157,618, Mar. 7.
Mitschke, Walter, assignor to Classic Weaving Corporation, North Bergen, N. J. Textile fabric. 157,619, Mar. 7.
Mitschke, Walter, assignor to Classic Weaving Corporation, North Bergen, N. J. Textile fabric. 158,990, June 13.
Mitschke, Walter, assignor to Classic Weaving Corporation, North Bergen, N. J. Textile fabric. 158,991, June 13.
Mitschke, Walter, assignor to Classic Weaving Corporation, North Bergen, N. J. Textile fabric. 158,992, June 13.
Model Brassiere Corp., assignee: *See*— McKeefrey, Elvira C.
Modern Carpet Sweeper Co., Inc., assignee: *See*— Barnhart, A. Baker.
Modine Manufacturing Company, assignee: *See*— Spieth, Benjamin. Teague, James.
Modrey, Henry J., Newark, N. J. Key-holder or similar article. 158,306, Apr. 25.
Moe Brothers Manufacturing Company, assignee: *See*— Sayers, Frederick, and Stevens.
Moeller, Ernst J., Long Island City, N. Y. Picture frame. 158,879, June 6.
Moffett, Frank W., Jr., Gates, N. Y. Edible dish. 156,985, Jan. 24.
Moffitt, David A., Duluth, Minn. Portable-typewriter desk. 160,107, Sept. 12.
Moffitt, Theodore M., Balboa, Calif. Tube dispensing holder or similar article. 156,908, Jan. 17.
Mohr, Anthony, assignor to Crystal Manufacturing Co., Inc., Chicago, Ill. Combined work control panel and service desk. 159,159, June 27.
Mohr, John K., Simi, Calif. Combination ladle and strainer. 157,276, Feb. 14.
Mojud Hosiery Co., Inc., assignee: *See*— Weston, Doris A., and Newman.
Molitor, Alois, Buffalo, N. Y. Eating instrument. 158,307, Apr. 25.
Mondy, Peter, assignor to Burroughs Adding Machine Company, Detroit, Mich. Combined bottle cap remover and liquid measure. 158,993, June 13.
Moneymaker, Harry F., Omaha, Nebr. Gun sight rib. 158,678, May 23.
Monjar, John G.: *See*— Edlund, Henry K., Monjar, Shuman, and De Tamble.
Monroe, Thomas D., assignor to Redmond Company, Inc., Owosso, Mich. Electric motor. 160,410, Oct. 10.
Monroe, Thomas D., assignor to Redmond Company, Inc., Owosso, Mich. Electric motor. 160,411, Oct. 10.
Monroe, Thomas D., assignor to Redmond Company, Inc., Owosso, Mich. Electric motor. 160,412, Oct. 10.
Monroe, Thomas D., assignor to Redmond Company, Inc., Owosso, Mich. Electric motor. 160,413, Oct. 10.
Mont, James, New York, N. Y. Couch or similar article. 158,492, May 9.
Montenier, Jules B., Chicago, Ill. Flexible spray bottle. 157,508, Feb. 28.
Moody Machine Products Co., Inc., assignee: *See*— Horton, George M.
Moody, Norton W., Flushing, N. Y. Merchandise display stand. 161,117, Dec. 5.
Moore, James B., Jr., Plandome, N. Y., and H. S. Bromley, assignors to North American Lace Co., Inc., Philadelphia, Pa. Table cover or similar article. 159,507, Aug. 1.
Moore, Joseph R.: *See*— Blake, William T., and Moore.
Moore, Patrick H., Los Angeles, Calif. Manicure table. 161,361, Dec. 26.
Moore, Walter E.: *See*— Lipic, Sylvester G., and Moore.
Moorman, Charles L., Millington, Ill. Metallic expanded tread. 158,308, Apr. 25.
Moorman, Charles L., Millington, Ill. Expanded metal panel. 160,877, Nov. 14.
Moorman, Roger: *See*— Hood, Percy W., and Moorman.
Morcom, John H., Long Beach, Calif. Tank rack. 159,286, July 11.
Moreno, Verone R., Washington, D. C. Dress ensemble. 156,754, Jan. 3.
Morgan Furniture Company, assignee: *See*— Burgold, Kurt.
Morgan, Jack, Chicago, Ill., assignor to Automatic Washer Company, Newton, Iowa. Control unit for washing machines. 157,277, Feb. 14.
Morgan, Jack, assignor to Dormeyer Corporation, Chicago, Ill. Power unit. 158,880, June 6.
Morgan, Jack, assignor to Dormeyer Corporation, Chicago, Ill. Food mixer. 158,881, June 6.
Morgan, Jack, assignor to Dormeyer Corporation, Chicago, Ill. Food mixer power unit. 158,882, June 6.
Morgan, Jack, assignor to Dormeyer Corporation, Chicago, Ill. Food mixer power unit. 158,883, June 6.
Morgan, Jack, assignor to Dormeyer Corporation, Chicago, Ill. Food mixer power unit. 158,884, June 6.
Morgan, Jack, assignor to Dormeyer Corporation, Chicago, Ill. Food mixer. 158,885, June 6.
Morgan, James P., Gardner, Mass. Fork or similar article of flatware. 160,414, Oct. 10.
Morgan, John R.: *See*— Martinet, Eugene F., and Morgan.
Morgan, Theodore, Los Angeles, Calif. Doughnut machine. 159,508, Aug. 1.
Morganti, Gladys N., Denver, Colo. Convertible face hood and make-up cape. 160,269, Sept. 26.
Mork, George W., assignor to Bucyrus-Erie Company, South Milwaukee, Wis. Combined frame, power lift attachment, and tractor hood. 159,160, June 27.
Morris, Arthur, Beverly Hills, Calif. Hand lotion dispensing jar. 156,986, Jan. 24.
Morris, Charles F., Vacaville, Calif. Coat and hat hanger. 158,493, May 9.
Morris, Eldridge L., assignee: *See*— Anderson, Herman E.
Morris, Millard, assignor to L. B. and D. B. Lodmell, Denver, Colo. License plate bracket for bicycles. 159,747, Aug. 15.
Morris, Nathan K., Asbury Park, N. J. Combination sandwich grill and pie maker. 157,694, Mar. 14.
Morris, Sadie, New York, N. Y. Game board. 158,886, June 6.
Morris, Sadie, New York, N. Y. Game board. 158,887, June 6.
Morris, Sadie, New York, N. Y. Game board. 158,888, June 6.
Morrison, Bret, New York, N. Y. Play shorts or similar article. 157,775, Mar. 21.
Morrison, Leo, Oklahoma City, Okla. Portable lamppost. 158,889, June 6.
Morroni, Peter, Leominster, Mass. Combined comb stand and tray. 161,194, Dec. 12.
Morroni, Peter J., Leominster, Mass. Comb. 157,069, Jan. 31.
Morroni, Peter J., Leominster, Mass. Comb. 159,430, July 25.
Morroni, Peter J., Leominster, Mass. Comb. 157,695, Mar. 14.
Morroni, Peter J., Leominster, Mass. Optical temple. 158,994, June 13.
Mors, Joseph A., Chicago, Ill. Seat. 159,509, Aug. 1.
Morse, Isidore, Bronx, N. Y. Wire soap holder. 160,329, Oct. 3.
Morse, Isidore, Bronx, N. Y. Wire soap holder. 160,330, Oct. 3.

Morse, Stanley H., Dearborn, assignor to Primor Products, Inc., Addison, Mich. Air conditioning unit. 157,887, Mar. 28.
Mortimer, Mary, Lansing, Mich. Combined vase and card holder. 161,195, Dec. 12.
Moser, George H., Portland, Oreg. Bath brush. 160,415, Oct. 10.
Moshel, Martin B., Brooklyn, N. Y. Watch case. 160,000, Sept. 5.
Moskowitz, Gustave A., Washington, D. C. Toothbrush and tooth paste tube holder or similar article. 161,196, Dec. 12.
Moss, Jerry, Chicago, Ill. Billfold. 160,193, Sept. 19.
Moss, Lawrence, New York, N. Y. Cigarette package holder. 160,194, Sept. 19.
Moss, Milton: *See*—
Silverman, Morris E., and Moss.
Mossel, Max N., Fulton, Mo. Combined corn-on-cob butterer and salter. 159,748, Aug. 15.
Mothers of World War No. II, Inc., assignee: *See*—
Bonner, Eunice, and Bowers.
Moth-King Corporation, assignee: *See*—
Slatkin, Alfred D.
Motorola, Inc., assignee: *See*—
Beck, Charles E.
Motor Wheel Corporation, assignee: *See*—
Wilson, Lawrence H.
Moulded Products, Inc., assignee: *See*—
Wenkstern, Russell L.
Moulson, Florence S., Rehoboth, Mass., assignor to B. A. Ballou & Co. Incorporated. Display figure unit or the like. 157,181, Feb. 7.
Moulson, Frederick W., Rehoboth, Mass., assignor to B. A. Ballou & Co. Incorporated. Ear clip finding. 156,755, Jan. 3.
Moulson, Frederick W., Rehoboth, Mass., assignor to B. A. Ballou & Co. Incorporated. Cuff link or the like. 160,001, Sept. 5.
Moulson, Frederick W., Rehoboth, Mass., assignor to B. A. Ballou & Co. Incorporated. Cuff link or the like. 160,002, Sept. 5.
Moulson, Frederick W., Rehoboth, Mass., assignor to B. A. Ballou & Co. Incorporated. Cravat holder or the like. 160,003, Sept. 5.
Moulson, Frederick W., Rehoboth, Mass., assignor to B. A. Ballou & Co. Incorporated. Money clip or the like. 160,004, Sept. 5.
Mowat, Duane N., assignor to Hurd Lock & Manufacturing Company, Detroit, Mich. Fishing rod and reel case. 160,520, Oct. 17.
Moynahan Bronze Company, assignee: *See*—
Cudini, Roger G.
Mozuras, William, Detroit, Mich. Fish lure. 156,756, Jan. 3.
Muehlfeld, Clarence G., Bridgeport, Mich. Hen's nest. 159,431, July 25.
Mueller, Gerardine, Caldwell, N. J. Alphabet for forming monograms or the like. 160,195, Sept. 19.
Mueller, Walter, Clifton, N. J. Lady's stocking. 160,521, Oct. 17.
Mueller, William, Milwaukee, Wis. Bracelet. 160,416, Oct. 10.
Muench, Charles M., New York, N. Y. Liturgical fabric or similar article. 160,954, Nov. 21.
Muench, Toni O., East Liverpool, Ohio, assignor to Fisher, Bruce & Company, Philadelphia, Pa. Plate or similar article. 161,118, Dec. 5.
Mulhall, John P., Providence, R. I., assignor to I. Rubin, Brookline, Mass. Cheese slicing machine or similar article. 159,088, June 20.
Mullen, Edward, and R. Harris, assignors to Mechanical Handling Systems, Inc., Detroit, Mich. Tank trailer. 160,728, Oct. 31.
Muller, Caroline A., Minneapolis, Minn. Buckle. 157,888, Mar. 28.
Muller-Munk, Peter, Pittsburgh, Pa., assignor to Pro-phylac-tic Brush Company, Northampton, Mass. Hairbrush. 156,757, Jan. 3.
Muller-Munk, Peter, Pittsburgh, assignor to Eljer Co., Ford City, Pa. Shelf lavatory. 157,278, Feb. 14.
Muller-Munk, Peter, Pittsburgh, Pa., assignor to Ekco Products Company, Chicago, Ill. Covered cooking utensil. 159,918, Aug. 29.
Muller-Munk, Peter, Pittsburgh, Pa., assignor to Ekco Products Company, Chicago, Ill. Cooking utensil cover. 160,647, Oct. 24.
Muller-Munk, Peter, Pittsburgh, Pa., assignor to Ekco Products Company, Chicago, Ill. Cooking utensil cover. 160,648, Oct. 24.
Muller-Munk, Peter, Pittsburgh, Pa., assignor to Ekco Products Company, Chicago, Ill. Cooking utensil cover. 160,649, Oct. 24.
Mulloy, William T., Covington, Ky. Liturgical fabric or similar article. 160,955, Nov. 21.
Munn, Carolyn N., New York, N. Y. Handbag. 157,889, Mar. 28.
Munn, Carolyn N., New York, N. Y. Handbag. 159,919, Aug. 29.
Munz, Robert E.: *See*—
BecVar, Arthur N., and Munz.
Murphy, Francis J., Natick, assignor to Kinderkraft Shoes, Inc., Framingham, Mass.. Child's shoe or similar article. 160,729, Oct. 31.
Murphy, Francis J., Natick, assignor to Kinderkraft Shoes, Inc., Framingham, Mass. Infant's shoe or similar article. 160,730, Oct. 31.
Murphy, Frank L., Chicago, and H. T. Martin, Evanston, assignors to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Railway dining car table. 158,890, June 6.
Murphy, Frank L., Chicago, and H. T. Martin, Evanston, assignors to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Railway dining car table. 158,891, June 6.
Murphy, Frank L., Chicago, and H. T. Martin, Evanston, assignors to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Combined dining car table and seat. 158,892, June 6.
Murray, Arthur, assignor to Arthur Murray, Inc., New York, N. Y. Brooch. 158,995, June 13.
Murray, Arthur, Inc., assignee: *See*—
Murray, Arthur.
Musano, Daniel: *See*—
Gimble, Irving, and Musano.
Musch, William F., and R. S. Katz, Hamilton, Ohio; said Katz assignor to said Musch. Combined football down marker and indicator. 160,270, Sept. 26.
Musser, Clair O., Evanston, Ill. Marimba. 160,108, Sept. 12.
Mustang Moccasin Company, assignee: *See*—
Lawrence, Wallace C., and Horsman.
Mutin, Marcel: *See*—
Barmache, Leon, and Mutin.
Myles, John F., Jr., Sherrill, N. Y. Racket or similar article. 160,005, Sept. 5.
Myers, Leslie W.: *See*—
Anderson, Albert L., and Myers.
Myers, Leslie W., and A. L. Anderson, assignors to Precision-Cosmet Company, Inc., Minneapolis, Minn. Spectacle frame. 157,070, Jan. 31.
Myers, Leslie W., and A. L. Anderson, assignors to Precision-Cosmet Company, Inc., Minneapolis, Minn. Spectacle frame. 157,071, Jan. 31.
Myers, Leslie W., and A. L. Anderson, assignors to Precision-Cosmet Company, Inc., Minneapolis, Minn. Spectacle frame. 157,072, Jan. 31.
Myers, Leslie W., and A. L. Anderson, assignors to Precision-Cosmet Company, Inc., Minneapolis, Minn. Spectacle frame. 157,073, Jan. 31.
Myers, Leslie W., and A. L. Anderson, assignors to Precision-Cosmet Company, Inc., Minneapolis, Minn. Spectacle frame. 157,074, Jan. 31.
Naiden, Anthony, Southwick, Mass., assignor to Westinghouse Electric Corporation. Food mixer or the like. 157,509, Feb. 28.
Naiden, Anthony, Southwick, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Power unit for a food mixer or the like. 157,510, Feb. 28.
Naken, Morris I., Chicago, Ill. Silverware chest. 157,776, Mar. 21.
National Broadcasting Company, Inc., assignee: *See*—
Allen, Robert Y., and Shaw.
National Brush Company, assignee: *See*—
Racicot, Albert R.
National Casket Company, Incorporated, assignee: *See*—
Schladermundt, Peter.
National Die Casting Company, assignee: *See*—
Chapman, Dave.
National Exchange Club, The, assignee: *See*—
Harter, Herold M., and Beaber.
National Machine Company, assignee: *See*—
Faust, Joseph V.
National Pairpoint Company, The, assignee: *See*—
Hall, Elisabeth A. P.
National Plastic Corp., assignee: *See*—
Rubin, Noah.
National Pressure Cooker Company, assignee: *See*—
Haney, Thomas G.
National Silver Company, assignee: *See*—
Bel Geddes, Norman.
Bernstein, Milton.
Brokate, John.
Macomber, Allison R.
Weeber, Marion.
Naulin, Abner A., Wauwatosa, assignor to Alm, Inc., Milwaukee, Wis. Collapsible stand. 157,075, Jan. 31.
Nebel, William, Charlotte, N. C. Lady's stocking. 157,890, Mar. 28.
Necchi Sewing Machine Sales Corp., assignee: *See*—
Jolson, Leon.
Neff, Grace V., Chicago, Ill. Sport shirt and the like. 159,287, July 11.
Negbaur, H., & Co., assignee: *See*—
Negbaur, Harry.
Negbaur, Harry, assignor to H. Negbaur & Co., New York, N. Y. Cigarette lighter. 157,777, Mar. 21.
Neil, Adam P.: *See*—
McCloskey, Martin H. J.
Neitlich, Irving M.: *See*—
Greco, John J., and Neitlich.
Nellen, Arthur H., Merion Park, assignor to Lee Rubber & Tire Corporation, Conshohocken, Pa. Vehicle tire. 159,432, July 25.
Nelpin Manufacturing Co., Inc., assignee: *See*—
Pinkham, Clarence A., and Holohan.
Nelson, Adolph J., Oak Park, Ill. Clock. 158,602, May 16.

Nelson, Edgar A., New York, assignor to American Safety Razor Corporation, Brooklyn, N. Y. Razor blade dispenser. 156,909, Jan. 17.

Nelson, Erdick, Chicago, Ill., assignor to Square Manufacturing Company. Beverage dispensing machine. 157,891, Mar. 28.

Nelson, Harris E.: *See*—
Lustig, Frank, and Nelson.

Nelson, Harris E., F. Lustig, and B. E. Schell, assignors to Revere Camera Company, Chicago, Ill. Movie projector. 157,892, Mar. 28.

Nelson, Katherine D., Mankato, Minn. Order board for dairy products. 159,510, Aug. 1.

Nelson, Olin, Superior, Wis. Iron cord holder. 159,288, July 11.

Nemes, Stephen, Chicago, Ill. Combination writing desk and typewriter desk. 157,076, Jan. 31.

Nemeth, Otto R., Los Angeles, Calif. Record player. 160,878, Nov. 14.

Nemiroff, Philip, Brooklyn, N. Y. Ferris wheel toy. 159,220, July 4.

Neon Products, Inc., assignee: *See*—
Kamin, Samuel.

Nerman, Tom, Park Ridge, Ill. Spotlight housing. 157,182, Feb. 7.

Nerman, Tom, Park Ridge, assignor to Patent License Corporation, Chicago, Ill. Photographic unit. 159,836, Aug. 22.

Nero, Albert, Oakland, Calif. Bed. 159,660, Aug. 8.

Nesbitt, Carl G., Forest Hills, N. Y. Fold-away tray table. 158,117, Apr. 11.

Nesbitt, Francis G.: *See*—
Pine, Cecil C., Bostwick, Fragola, and Nesbitt.

Nesselroth, Frances R., Flushing, assignor to The Kono Manufacturing Company, Woodside, N. Y. Spectacle frame. 158,309, Apr. 25.

Nesselroth, Frances R., Flushing, assignor to The Kono Manufacturing Company, Woodside, N. Y. Spectacle frame. 158,310, Apr. 25.

Nesselroth, Frances R., Flushing, assignor to Globe Ring Co., Brooklyn, N. Y. Spectacle frame. 159,089, June 20.

Nesselroth, Frances R., Flushing, assignor to The Kono Manufacturing Company, Woodside, N. Y. Spectacle frame. 160,109, Sept. 12.

Nessimoff, Samuel, Brooklyn, N. Y. Handbag. 161,362, Dec. 26.

Nester, William A., assignor to Obear-Nester Glass Company, East St. Louis, Ill. Bottle. 158,213, Apr. 18.

Nestler, Paul R., Green Lane, Pa. Stocking. 156,910 Jan. 17.

Netherby, Elena M., Oakland, Calif. Potter's wheel. 161,363, Dec. 26.

Nethercutt, Jack B., assignee: *See*—
Jordan, Lynvell R.

Neuman, Harry J., assignee: *See*—
Craven, Le Roy.

Neumann, Jacob, assignor to Crown Luggage Co., Inc., Baltimore, Md. Luggage handle. 157,778, Mar. 21.

Neuschaefer, Helen, Rye, assignor to A. Sartorius & Co., Inc., New York, N. Y. Combined lipstick and container. 159,090, June 20.

Nevell, Thomas G. W., Riverside, Conn., assignor to The FR Corporation, New York, N. Y. Presetting interval timer or similar article. 157,893, Mar. 28.

Newcomb, Lucille G., Minneapolis, Minn. Combination table, aquarium, and plant receptacle. 159,661, Aug. 8.

Newell, George H., Racine, Wis. Butter spreader. 157,183, Feb. 7.

Newhouse, Leon M., Brooklyn, assignor to Longines-Wittnauer Watch Co., Inc., New York, N. Y. Wrist watch case or similar article. 159,289, July 11.

Newman, Albert H., Chicago, Ill. Combined sachet figure and container therefor. 158,494, May 9.

Newman, Albert H., Chicago, Ill. Combined sachet figure and container therefor. 158,495, May 9.

Newman, Albert H., Chicago, Ill. Combined sachet figure and container therefor. 158,496, May 9.

Newman, Nat J.: *See*—
Weston, Doris A., and Newman.

Newman, Samuel J., Cumberland, Md. Game board. 157,077, Jan. 31.

New Standard Corporation, assignee: *See*—
Zifferer, Lothar R.

Newton, Earl W., Chicago, Ill. Plate or similar article. 157,402, Feb. 21.

Newton, Frank W.: *See*—
Stratman, Lester B., and Newton.

Newton, Robert E., San Francisco, Calif. Golf bag clip. 156,987, Jan. 24.

Neyhard, Ernest R., Pottstown, Pa. Jewelry pendant. 160,803, Nov. 7.

Nicholas Company, The, assignee: *See*—
Florian, Gordon W.

Nichols-Foss Packing Co., assignee: *See*—
Foss, Samuel D.

Nichols, Windfrey C., assignor to LaSalle Extension University, Chicago, Ill. Shorthand machine. 159,359, July 18.

Nicholson, William H., Woodbury, N. J. Swing. 157,078, Jan. 31.

Nickells, Stanley W.: *See*—
Smith, Myron R., and Nickells.

Nickles, Ned F., assignor to General Motors Corporation, Detroit, Mich. Automotive vehicle bumper. 160,522, Oct. 17.

Nicoli, Nathalie, San Franscisco, Calif. Sun suit. 157,403, Feb. 21.

Niedzielski, Harry C., Bay City, Mich. Separable fastener. 157,894, Mar. 28.

Nielsen, Charles W., Omaha, Nebr. Combination coaster and ash tray. 159,290, July 11.

Niesner, Bruno, Milwaukee, Wis. Desk stand. 156,758, Jan. 3.

Nigro, Julia, Kansas City, Mo. Dust mop. 160,650 Oct. 24.

Nisenson, Jules, New York, N. Y., assignor to Le John Manufacturing Co. Inc., Huntington, W. Va. Warm air drier. 158,603, May 16.

Nisle, George U., Chicago, Ill. Table. 157,184, Feb. 7.

Nitardy, Carl J. H., Ipswich, assignor to Sylvania Electric Products Inc., Salem, Mass. Fluorescent lighting fixture. 160,417, Oct. 10.

Nivison, Wade S.: *See*—
Schubert, Alvin E., and Nivison.

Nixon, Robert E., Orange, Mass. Sanding machine or similar article. 159,433, July 25.

Noble, Donald E., Chicago, Ill. Accordion. 160,879, Nov. 14.

Noble, Ross A., Detroit, Mich. Sign. 159,360, July 18.

Noma Electric Corporation, assignee: *See*—
Bindman, Stanley.
Suring, Joseph J.

Nonas, Elliott, New York, N. Y. Combination container and display unit. 159,221, July 4.

Nordmark, Walter E., assignor to American Seating Company, Grand Rapids, Mich. Folding chair. 160,006, Sept. 5.

Normandin, Alfred H., Marlboro, Mass. Coaster. 160,110, Sept. 12.

Norriss, Jan, New York, N. Y. Multiple holder for cosmetic preparations or the like. 161,036, Nov. 28.

North American Lace Co., Inc., assignee: *See*—
Brice, Earline, and Bromley.
Jarvis, Fred, and Bromley.
Moore, James B., Jr., and Bromley.

Northam Warren Corporation, assignee: *See*—
Warren, Northam, Jr.

Norton, Edith, Los Angeles, Calif. Lamp. 157,079, Jan. 31.

Novgrad, Benjamin, Newington, assignor to Arts and Crafts Company, Hartford, Conn. Finger ring. 157,620, Mar. 7.

Nowak, Michael E., Cleveland, Ohio. Marking gauge. 157,404, Feb. 21.

Noyes, Eliot F.: *See*—
Bel Geddes, Norman, and Noyes.

Nudelman, Eoina, Chicago, Ill. Combination spoon, fork, and holder. 157,185, Feb. 7.

Nudelman, Eoina, Chicago, Ill. Article supporting figurine. 160,731, Oct. 31.

Nugent, Lee C., Glendale, Calif. Denture brush. 160,651, Oct. 24.

Nulty, William B., trustee, assignee: *See*—
Shepard, Ernest L.
Williams, Philip M.

Nu-Maid Hosiery Mills, Inc., assignee: *See*—
Roskind, Eddie.

Nussbaum, Ferdinand, Forest Hills, N. Y. Duplex hairbrush. 159,361, July 18.

Nussbaum, Solomon, St. Louis, Mo. Portable light. 156,911, Jan. 17.

Nutley, William B., trustee: *See*—
Randall, Walter H.

Nutone Incorporated, assignee: *See*—
Waltman, Chauncey E.

NuTone, Inc., assignee: *See*—
Corbett, Joseph R.

Nyberg, Curt E., assignor to Vail Manufacturing Company, Chicago, Ill. Desk stapler. 158,401, May 2.

Oakmont, Glenn R., assignor to Sof-Tee Corporation, Los Angeles, Calif. External casing for a beverage preparing machine. 160,523, Oct. 17.

Obear-Nester Glass Company, assignee: *See*—
Nester, William A.

O'Brien, Harry C., Los Angeles, Calif. Combined lamp and flower planter. 158,893, June 6.

O'Brien, Howard T., assignee: *See*—
Rausch, Joseph J.

O'Brien Manufacturing Co., assignee: *See*—
Rausch, Joseph J.

O'Callaghan, Elmer M., Portland, Oreg. Baby food warmer. 158,214, Apr. 18.

O'Connor, Joseph H., Detroit, Mich. Hair drier. 157,779. Mar. 21.

O'Connor, Thomas F., Jr., assignor to The Vulcan Radiator Company, Hartford, Conn. Radiator cover. 161,197, Dec. 12.

Odor, Ralph K., Edmond, Okla. Garment hanger. 158,497, May 9.

Ofria, Thekla L., New Orleans, La. Scarf. 161,276, Dec. 19.

Ofria, Thekla L., New Orleans, La. Scarf. 161,277, Dec. 19.

Ofria, Thekla L., New Orleans, La. Scarf. 161,278, Dec. 19.

Ogden, Claudia M., Scottsdale, Ariz. Textile fabric or the like. 161,119, Dec. 5.
Ohanian, Andrew, assignee: *See*—
Ohanian, Osgar J.
Ohanian, Osgar J., Philadelphia, assignor of one-half to A. Ohanian, Drexel Hill, Pa. Hand luggage case. 159,749, Aug. 15.
O'Hara, James B.: *See*—
Marzuoli, Paul L., and O'Hara.
Ohio Knitting Mills, assignee: *See*—
Rubin, Henry.
Ohio Oil Company, assignee: *See*—
McCammon, Cecil D., and Mikeworth.
Ohio Porcelain Company, assignee: *See*—
Potts, Clifford.
O'Leary, Milo J., Rochester, assignor to Chrysler Corporation, Highland Park, Mich. Bumper guard for a motor vehicle. 159,222, July 4.
O'Leary, Milo J., Rochester, assignor to Chrysler Corporation, Highland Park, Mich. Automobile ornament. 159,291, July 11.
O'Leary, Milo J., Rochester, assignor to Chrysler Corporation, Highland Park, Mich. Hood ornament for an automobile. 160,524, Oct. 17.
O'Leary, Milo J., Rochester, assignor to Chrysler Corporation, Highland Park, Mich. Automobile bumper. 160,880, Nov. 14.
Oliver, Lloyd C.: *See*—
Wintergreen, Charles J., and Oliver.
Oliver, Sheffield F., Auburn, Calif. Portable sitz bath. 158,118, Apr. 11.
Olson, Albert V., Santa Monica, Calif. Handle for a wax paper milk container or similar article. 159,292, July 11.
Olson, Harold T.: *See*—
Eaton, William W., and Olson.
Olson, John L., Los Angeles, Calif. Sandal or similar article. 161,120, Dec. 5.
Olson, Kenneth W., Northfield, Ill., assignor to Sargent & Company, New Haven, Conn. Display cabinet. 159,511, Aug. 1.
Olson, Walter D., Oakland, Calif. Microphone and support therefor. 159,223, July 4.
Omo, Frank J., assignor to Alfab Manufacturing Company, Houston, Tex. Technician's workbench. 156,759, Jan. 3.
Omo, Frank J., assignor to Alfab Manufacturing Company, Houston, Tex. Technician's buffer. 157,186, Feb. 7.
Oneida Ltd., assignee: *See*—
Fleming, Mary P.
Gerth, William H.
Onondaga Pottery Company, assignee: *See*—
Bourne, Douglas.
Cowan, R. Guy.
Garin, Richard H.
Garvin, Richard H.
L'Anglais, Pascal.
Langlais, Pascal.
McKaig, Charles H.
Otis, Edward M.
Ontario Research Corporation, assignee: *See*—
Trowbridge, Charles A.
Ontra, Buddy, New York, N. Y., assignor of one-half to Vo-Jul Textiles, Inc., Doylestown, Pa. Stocking. 160,804, Nov. 7.
Opler, Edmond, assignor to Cook Chocolate Company, Chicago, Ill. Display box. 157,080, Jan. 31.
Oppermann, Charles T., Jr., Detroit, Mich. Shaving brush and razor holder. 157,780, Mar. 21.
Orenick, Emil H., Parma, Ohio. Piano case or the like. 160,418, Oct. 10.
Orley, George, Detroit, Mich. Freezer cabinet. 156,760, Jan. 3.
Orloff, Jack, New York, N. Y. Blouse. 159,362, July 18.
Orloff, Jack, New York, N. Y. Blouse. 159,363, July 18.
Orloff, Jack, New York, N. Y. Blouse. 159,364, July 18.
Orloff, Jack, New York, N. Y. Blouse. 159,365, July 18.
Orloff, Jack, New York, N. Y. Blouse. 159,366, July 18.
Orloff, Jack, New York, N. Y. Blouse. 159,367, July 18.
Orloff, Jack, New York, N. Y. Blouse. 159,368, July 18.
Orloff, Jack, New York, N. Y. Blouse. 159,369, July 18.
Orloff, Jack, New York, N. Y. Blouse. 159,370, July 18.
Orloff, Jack, New York, N. Y. Blouse. 159,371, July 18.
Orloff, Jack, New York, N. Y. Blouse. 159,372, July 18.
Orloff, Jack, New York, N. Y. Blouse. 159,373, July 18.
Orloff, Jack, New York, N. Y. Blouse. 159,374, July 18.
Orloff, Jack, New York, N. Y. Blouse. 159,375, July 18.
Orloff, Jack, New York, N. Y. Blouse. 159,376, July 18.
Orloff, Jack, New York, N. Y. Blouse. 159,377, July 18.
Orloff, Jack, New York, N. Y. Blouse. 159,378, July 18.
Orloff, Jack, New York, N. Y. Blouse. 159,379, July 18.
Orloff, Jack, New York, N. Y. Blouse. 159,380, July 18.
Orloff, Jack, New York, N. Y. Blouse. 159,381, July 18.
Orloff, Jack, New York, N. Y. Blouse. 159,382, July 18.
Orloff, Jack, New York, N. Y. Blouse. 159,383, July 18.
Orloff, Jack, New York, N. Y. Blouse. 159,384, July 18.
Orloff, Jack, New York, N. Y. Blouse. 159,385, July 18.
Orloff, Jack, New York, N. Y. Blouse. 159,386, July 18.
Orloff, Jack, New York, N. Y. Blouse. 159,387, July 18.
Orloff, Jack, New York, N. Y. Blouse. 159,388, July 18.
Orloff, Jack, New York, N. Y. Blouse. 159,434, July 25.
Orloff, Jack, New York, N. Y. Blouse. 159,750, Aug. 15.
Ornstein, D., & Sons Corporation, assignee: *See*—
Kent, Sherle.
Orr, Raymond H. M., New York, N. Y. Openwork fabric soap container. 156,837, Jan. 10.
Orr, Robert W., Union, Ohio. Glass washer. 157,993, Apr. 4.
Ossanna, Fred A., Jr., Austin, Tex. Temperature-controlled vending cabinet. 161,121, Dec. 5.
Othon, Ulysses, Jackson Heights, N. Y. Backgammon game board. 160,525, Oct. 17.
Otis, Edward M., assignor to Onondaga Pottery Company, Syracuse, N. Y. Dinner plate or similar article. 156,838, Jan. 10.
Otis, Edward M., assignor to Onondaga Pottery Company, Syracuse, N. Y. Dinner plate or similar article. 160,526, Oct. 17.
Otis, Edward M., assignor to Onondaga Pottery Company, Syracuse, N. Y. Dinner plate or similar article. 160,527, Oct. 17.
Otis Elevator Company, assignee: *See*—
Brounn, Morrison J.
Otis, Louis W., Seattle, Wash. Child's swing. 158,679, May 23.
O'Toole, Edward J., Burbank, Calif. Meter case for self-service gasoline pumps. 157,279, Feb. 14.
Ott, William H., Cincinnati, Ohio. Picture frame. 157,405, Feb. 21.
Otto, Carl, New York, N. Y., assignor to Eversharp, Inc., Chicago, Ill. Container for shaving implements or the like. 159,293, July 11.
Otto, Carl L., assignor to The Torsion Balance Company, New York, N. Y. Weight box. 158,119, Apr. 11.
Otto, Carl L., New York, N. Y., assignor to General Motors Corporation, Dayton, Ohio. Electric heating and utensil supporting unit. 159,091, June 20.
Otto, Carl L., New York, N. Y. Food chopper. 160,331, Oct. 3.
Otto, Carl L., New York, N. Y., assignor to Schick Incorporated, Stamford, Conn. Electric shaver. 160,805, Nov. 7.
Ouellette, Lionel, Lawrence, Mass. Bathroom fixture. 160,652, Oct. 24.
Overby, Theodore A., Aberdeen, S. Dak. Combined postal scale and tray. 159,092, June 20.
Overhamm, Wolf J., North Hollywood, Calif. Perfume bottle. 160,653, Oct. 24.
Owinski, Joseph C., Glen Lake, Minn. World time clock. 159,294, July 11.
Oxford Products Corp., assignee: *See*—
Gruber, Gilbert S., and Delany.
Pachmayr, Frank A.: *See*—
Powell, Edward B., and Pachmayr.
Packard Motor Car Company, assignee: *See*—
Jones, Robert B.
Wright, Philip O.
Packard, Virgil S., San Francisco, Calif. Game board. 158,996, June 13.
Packer, Gordon W., Litchfield, Mich. Playground apparatus. 160,419, Oct. 10.
Packman, Leo, New York, N. Y. Combined illuminable rattle and suction cup. 161,122, Dec. 5.
Paden, Frederick T., Collingswood, N. J. Altar. 157,081, Jan. 31.
Paden, Frederick T., Collingswood, N. J. Burial casket. 158,120, Apr. 11.
Paden, Frederick T., Washington, D. C. Snowshoe. 161,198, Dec. 12.
Pafume, George, Forest Park, Ill. Building. 159,224, July 4.
Pagano, Marco, assignor to I. L. Powsner, Buffalo, N. Y. Ash tray. 160,654, Oct. 24.
Pahlmann, William C., New York, N. Y. Dining breakfront or similar article. 157,781, Mar. 21.
Paige, E. C., assignee: *See*—
Long, Robert L.
Paillard, S. A., assignee: *See*—
Prezioso, Giuseppe.
Painter, David, Evanston, Ill., assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Radio receiver cabinet. 158,783, May 30.
Painter, David, Evanston, Ill., assignor to AVCO Manufacturing Corporation, Cincinnati, Ohio. Television receiver cabinet. 159,161, June 27.
Painter, David, Evanston, Ill., assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Radio receiver cabinet. 159,435, July 25.
Painter, David L., Evanston, Ill. Trailer window unit. 160,732, Oct. 31.
Painter, David, Evanston, Ill., assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Radio receiver cabinet. 161,364, Dec. 26.
Pakula, Robert S., New Hyde Park, N. Y., assignor to Lapin Products, Inc., Newark, N. J. Coaster. 158,680, May 23.
Pal, Inc., assignee: *See*—
Lorenzen, Arnold I.
Palley, I. Nevin: *See*—
Baker, Paul S., Shoemaker, Palley, and Schoolfield.
Palma, Joseph, Jr., Berwyn, Ill., assignor to S. C. Johnson & Son, Inc., Racine, Wis. Combination cleaning and waxing device. 159,751, Aug. 15.
Palma, Joseph, Jr., Berwyn, Ill., assignor to S. C. Johnson & Son, Inc., Racine, Wis. Floor polisher. 159,752, Aug. 15.
Palma, Joseph, Jr., Berwyn, Ill. Electric hand mixer. 160,655, Oct. 24.

Palma, Joseph, Jr., Chicago, Ill., assignor to Cory Corporation. Air circulator. 157,406, Feb. 21.
Palmer, Donald A., Cardiff, Wales. Metal beam. 157,994, Apr. 4.
Palmer, Richard M., Reading, Pa. Chocolate rabbit. 157,621, Mar. 7.
Palo, Maurice M., Conneaut, Ohio. Phonograph tone arm or the like. 160,528, Oct. 17.
Pancotti, Egisto, Crestwood, assignor to Excelsior Accordions Inc., New York, N. Y. Accordion or similar article. 158,784, May 30.
Panich, Michael: *See*—
Wood, Kenneth A., and Panich.
Pankonin, William G., Chicago, Ill. Wire staple removing tool. 157,995, Apr. 4.
Pankonin, William G., Chicago, Ill. Wire staple removing tool. 157,996, Apr. 4.
Pankonin, William G., Chicago, Ill. Wire staple removing tool. 157,997, Apr. 4.
Pankonin, William G., Chicago, Ill. Wire staple removing tool. 157,998, Apr. 4.
Pankonin, William G., Chicago, Ill. Wire staple removing tool. 157,999, Apr. 4.
Pankonin, William G., Chicago, Ill. Wire staple removing tool. 158,608, May 16.
Pankonin, William G., Chicago, Ill. Wire staple removing tool. 160,420, Oct. 10.
Panzer, William C., Chicago, Ill. Smoker's ash receptacle top. 160,111, Sept. 12.
Paolillo, Anthony, assignor to Quest Shon Mark Brassiere Co., Inc., Brooklyn, N. Y. Display stand. 159,512, Aug. 1.
Pappas, Peter, New Haven, Conn. Coffee-making apparatus. 157,407, Feb. 21.
Paqué, Charles F., Chicago, Ill. Professional uniform coat. 157,696, Mar. 14.
Parco Mfg. Inc., assignee: *See*—
Parisi, Charles T.
Parell, Vincent A., Miami, Fla. Combined key chain and watch. 159,389, July 18.
Parentice, Jess L., assignor to Shawnee Pottery Company, Zanesville, Ohio. Teapot. 157,408, Feb. 21.
Parentice, Jess L., assignor to Shawnee Pottery Company, Zanesville, Ohio. Teapot. 157,409, Feb. 21.
Parentice, Jess L., assignor to Shawnee Pottery Company, Zanesville, Ohio. Sugar bowl. 157,410, Feb. 21.
Parentice, Jess L., assignor to Shawnee Pottery Company, Zanesville, Ohio. Beater jug. 157,411, Feb. 21.
Parentice, Jess L., assignor to Shawnee Pottery Company, Zanesville, Ohio. Covered jug. 157,412, Feb. 21.
Parentice, Jess L., assignor to Shawnee Pottery Company, Zanesville, Ohio. Ball jug. 157,413, Feb. 21.
Parentice, Jess L., assignor to Shawnee Pottery Company, Zanesville, Ohio. Jar. 157,414, Feb. 21.
Parentice, Jess L., assignor to Shawnee Pottery Company, Zanesville, Ohio. Creamer. 157,415, Feb. 21.
Parentice, Jess L., assignor to Shawnee Pottery Company, Zanesville, Ohio. Cooky jar. 157,511, Feb. 28.
Parentice, Jess L., assignor to Shawnee Pottery Company, Zanesville, Ohio. Planter. 160,007, Sept. 5.
Parfumerie de Raymond, assignee: *See*—
Fay, Kenneth C.
Parfums Germaine Lecomte Societe a Responsabilite Limitee, assignee: *See*—
Lecomte, Germaine.
Paris, Frank, New York, N. Y. Doll's head or similar article. 156,988, Jan. 24.
Paris, Frank, New York, N. Y. Puppet head or similar article. 156,989, Jan. 24.
Parisi, Charles T., Pawtucket, assignor to Parco Mfg. Inc., Providence, R. I. Expansible bracelet. 160,008, Sept. 5.
Park, Tracy S., Houston, Tex. Pipe. 159,295, July 11.
Parker, Alex M., Hackensack, N. J. Child's bibbed shirt. 161,365, Dec. 26.
Parker, Lillian E., Brighton, Mass. Receptacle for scouring pads or similar article. 160,009, Sept. 5.
Parker Pen Company, The, assignee: *See*—
Chapman, David.
Parker, Royce L., Addison, Ill. Coffee pot. 158,997, June 13.
Parks, Arthur S., Sandwich, and B. Chandler, Waukegan, Ill., assignors to Sandwich R. V. Pump Co. Vacuum pump unit. 158,998, June 13.
Parks, Genevieve E., assignee: *See*—
Barudin, Nathan J.
Parks, Paul D., Winona Lake, Ind. Clothes rack. 160,421, Oct. 10.
Parlette, Lee, Long Island City, assignor to Textron, Inc., New York, N. Y. Convertible neckline slip. 160,332, Oct. 3.
Parrott, Robert D.: *See*—
Wise, Raleigh J., Parrott, and Ridings.
Parva Products Company, assignee: *See*—
Schutz, Joseph J.
White, Holman D.
White, Paul W.
Pass, Israel, assignor to Knapp-Monarch Company, St. Louis, Mo. Electric room heater or similar article. 157,512, Feb. 28.
Pass & Seymour, Inc., assignee: *See*—
Russell, Mark N.
Passavant Memorial Hospital, assignee: *See*—
Bocher, Main Rousseau.
Patch, Arthur H., Glen Ridge, N. J. Barrel-enclosing cabinet for brew-dispensing establishments. 157,782, Mar. 21.
Patek, Richard J., Los Angeles, Calif. Pedicure appliance. 159,662, Aug. 8.
Patent License Corporation, assignee: *See*—
Nerman, Tom.
Paterson, Wilbur P., and R. Rupert, Kansas City, Mo. Pyrophoric lighter. 158,215, Apr. 18.
Patlan, Albin A., East Paterson, N. J., assignor to Toscony Fabrics Inc., New York, N. Y. Plastic film material. 158,311, Apr. 25.
Patlen, Albin A., East Paterson, N. J., assignor to Toscony Fabrics Inc., New York, N. Y. Plastic film material. 158,498, May 9.
Patrick, Ray, Wilwaukee, Mich. Coat hanger. 158,000, Apr. 4.
Patterson, Curtis J., Jr.: *See*—
Falkenberg, Robert L., and Patterson, Jr.
Patti, Fred D., assignor to Steelco Stainless Steel, Inc., Chicago, Ill. Teakettle. 158,001, Apr. 4.
Pattishall, Leon J., Barrington, Ill. Table or the like. 159,663, Aug. 8.
Patton, John P., Cleveland, Ohio. Card holder. 157,082, Jan. 31.
Paul, Carl W., New York, N. Y. Combined slicing and storing device. 158,999, June 13.
Paul, Milton, Great Neck, N. Y. Telephone hand set shoulder rest. 161,366, Dec. 26.
Paulson, Thomas V., Fall Brook, Calif. Front for an eye shield or similar article. 157,083, Jan. 31.
Pavey, Larry E., and A. A. Coe, Seattle, Wash. Spray gun. 159,162, June 27.
Pavlinetz, George, Carteret, N. J. Medicine spoon. 159,920, Aug. 29.
Pawelsky, Vernon R.: *See*—
Johnson, Roy W., and Pawelsky.
Pawsat, Ruben L., Maysville, Ky. Kick stand clamp for bicycles. 157,416, Feb. 21.
Peach, Kenneth D., Manhattan Beach, Calif. Cigarette snuffer. 159,093, June 20.
Pearce, Edwin S., Indianapolis, Ind. Showcase. 158,499, May 9.
Pearce, Woodrow W., Hollywood, Calif. Combined hand and foot support for use in applying nail polish. 157,280, Feb. 14.
Pearl, Daniel M. and E. M., Chicago, Ill. Fender lamp or similar article. 160,956, Nov. 21.
Pearl, Erwin M.: *See*—
Pearl, Daniel M. and E. M.
Pearman, Wray P., Chevy Chase, Md., assignor to Wiz Novelty Corporation, New York, N. Y. Advertising display board. 157,895, Mar. 28.
Pease, Paul M., Pasadena, asignor to Fletcher Manufacturing Company, Burbank, Calif. Towel bar. 159,513, Aug. 1.
Peck, Stow & Wilcox Company, The, assignee: *See*—
Ludwick, William L.
Peeps, Donald J., assignor to The De Vilbiss Company, Toledo, Ohio. Air duster. 156,990, Jan. 24.
Peeps, Donald J., assignor to The De Vilbiss Company, Toledo, Ohio. Paint spray hose cleaner or the like. 157,084, Jan. 31.
Peeps, Donald J., assignor to The De Vilbiss Company, Toledo, Ohio. Spray gun. 158,121, Apr. 11.
Peeps, Donald J., assignor to The De Vilbiss Company, Toledo, Ohio. Combined air cleaner and regulator. 160,010, Sept. 5.
Peets, Wilbur J.: *See*—
Marsac, Leonard C., and Peets.
Pelton, Dorothy L., St. Louis, Mo. Tissue packet. 159,753, Aug. 15.
Penn Aircraft Products, Incorporated, assignee: *See*—
Wolcott, Glenn W.
Pennington, Andrew J., Millville, N. J. Antenna pole base. 158,122, Apr. 11.
Pentecost, William A.: *See*—
James, Richard E., and Pentecost.
Pépin, Edmée, Northampton, England. Nursing brassière. 159,094, June 20.
Pepper, Charles W., Denver, Colo. Tobacco pipe. 157,513, Feb. 28.
Peppin, Neal C., Minneapolis, Minn. Child's chair. 157,697, Mar. 14.
Perelman, Albert A., Brooklyn, N. Y., assignor to Scott Paper Company, Chester, Pa. Paper towel roll holder. 161,199, Dec. 12.
Perfex Corporation, assignee: *See*—
Hensel, Andrew O.
Kelly, Hugh.
Periman, Glenn, Los Angeles, Calif. Toy vehicle. 161,367, Dec. 26.
Perl, Frederick W., Mansfield, Ohio, assignor to Westinghouse Electric Corporation. Laundry machine. 156,991, Jan. 24.
Perl, Frederick W., Mansfield, Ohio., assignor to Westinghouse Electric Corporation. Laundry machine. 156,992, Jan. 24.
Perlman, Arnold, Greenwick, Conn., assignor to Helene Pessl, Inc., New York, N. Y. Bottle cap. 160,881, Nov. 14.
Perlmutter, Leonard L., Washington, D. C. Armrest. 159,514, Aug. 1.

Permo, Incorporated, assignee: *See*—
Andres, Lloyd J.
Permutit Company, The, assignee: *See*—
Pick, Eric.
Perrin, Paul C., Pittsburgh, assignor to Porcelier Manufacturing Company, Greensburg, Pa. Globe for lighting fixtures. 160,011, Sept. 5.
Perry, Tyline N., Denver, Colo. Play pen for infants and children. 159,921, Aug. 29.
Perstein, Millard H., San Francisco, Calif. Game board. 159,000, June 13.
Perwas, Ludwig F., Bronx, N. Y. Fountain toothbrush. 157,514, Feb. 28.
Perzentka, Thomas R., assignor to Bell & Howell Company, Chicago, Ill. Cabinet for a microfilm recorder or the like. 157,281, Feb. 14.
Perzentka, Thomas R., assignor to Bell & Howell Company, Chicago, Ill. Feed chute and control panel carrying member for a microfilm recorder or the like. 157,515, Feb. 28.
Pessl, Helene, Inc., assignee: *See*—
Periman, Arnold.
Petee, Lorenz D., Cleveland, Ohio. Atomizer. 161,368, Dec. 26.
Peters, Ernest: *See*—
Dorfman, Oscar W., and Peters.
Peters & Russell, Inc., assignee: *See*—
Russell, Linus E.
Peterson, David C.: *See*—
Dean, Arthur F., and Peterson.
Peterson Enterprises, Inc., assignee: *See*—
Peterson, Robert A. M.
Peterson, Hjalmer K., St. Paul, Minn. Memorandum pad holder. 158,785, May 30.
Peterson, Joseph A., Bayside, N. Y. Savings bank. 159,754, Aug. 15.
Peterson, Norman R., San Francisco, Calif. Textile fabric. 160,656, Oct. 24.
Peterson, Robert A. M., assignor to Peterson Enterprises, Inc., New York, N. Y. Portable drink dispenser. 156,993, Jan. 24.
Peterson, William, and J. A. Barnett, assignors to A. B. A. Corporation, Chicago, Ill. Ball point pen. 159,095, June 20.
Petrillo, Michael: *See*—
Haberkorn, John A., and Petrillo.
Petry, Stanton H., Evanston, Ill. Gas release control valve for an insecticide bomb. 157,783, Mar. 21.
Pettingell, Charles M., assignor to Keystone View Company, Meadville, Pa. Stereoscopic viewer. 160,196, Sept. 19.
Petty, Bernard L., Fairlington, Va. Cigarette dispenser. 157,698, Mar. 14.
Petzold, William B., Pittsfield, Mass., assignor to General Electric Company. Covering for smooth surfaces. 161,369, Dec. 26.
Pfautsch, Raymond V., assignor to ILG Electric Ventilating Co., Chicago, Ill. Ventilator grille. 161,037, Nov. 28.
Phelps, William H., Ralston, Nebr. Doorstop. 161,200, Dec. 12.
Philco Corporation, assignee: *See*—
Lewand, Henry G.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 156,761, Jan. 3.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 156,762, Jan. 3.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 156,763, Jan. 3.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 156,912, Jan. 17.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 156,913, Jan. 17.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 156,914, Jan. 17.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 156,994, Jan. 24.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 156,995, Jan. 24.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 157,187, Feb. 7.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 157,188, Feb. 7.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 157,189, Feb. 7.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 157,190, Feb. 7.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Pin clip or similar article. 157,191, Feb. 7.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 157,192, Feb. 7.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 157,193, Feb. 7.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 157,194, Feb. 7.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 157,195, Feb. 7.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 157,196, Feb. 7.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 157,197, Feb. 7.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 157,198, Feb. 7.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 157,199, Feb. 7.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 157,200, Feb. 7.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 157,201, Feb. 7.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 157,282, Feb. 14.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Bracelet or similar article. 157,283, Feb. 14.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Bracelet or similar article. 157,284, Feb. 14.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 157,285, Feb. 14.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 157,286, Feb. 14.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 157,287, Feb. 14.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 157,417, Feb. 21.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 157,418, Feb. 21.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 157,419, Feb. 21.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 157,420, Feb. 21.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 157,421, Feb. 21.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 157,422, Feb. 21.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 157,423, Feb. 21.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 157,424, Feb. 21.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 157,516, Feb. 28.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 157,517, Feb. 28.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Bracelet or similar article. 157,518, Feb. 28.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 157,519, Feb. 28.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 157,520, Feb. 28.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 157,521, Feb. 28.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 157,522, Feb. 28.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 157,523, Feb. 28.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 157,524, Feb. 28.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 157,525, Feb. 28.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 157,526, Feb. 28.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 157,527. Feb. 28.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 157,528, Feb. 28.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 157,529, Feb. 28.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 157,530, Feb. 28.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 157,531. Feb. 28.
Philippe, Alfred. Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 157,532, Feb. 28.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Bracelet or similar article. 157,533, Feb. 28.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 157,784, Mar. 21.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 157,785, Mar. 21.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 157,786, Mar. 21.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 157,787, Mar. 21.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 158,002, Apr. 4.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 158,003, Apr. 4.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 158,004, Apr. 4.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 158,005, Apr. 4.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 158,006, Apr. 4.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Bracelet or similar article. 158,007, Apr. 4.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Bracelet or similar article. 158,008, Apr. 4.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 158,123, Apr. 11.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 158,124, Apr. 11.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 158,125, Apr. 11.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 158,126, Apr. 11.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 158,127, Apr. 11.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 158,312, Apr. 25.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 158,313, Apr. 25.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 158,314, Apr. 25.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 158,315, Apr. 25.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 158,316, Apr. 25.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 158,317, Apr. 25.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 158,318, Apr. 25.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 158,319, Apr. 25.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 158,320, Apr. 25.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 158,321, Apr. 25.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 158,322, Apr. 25.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 158,323, Apr. 25.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Bracelet or similar article. 158,324, Apr. 25.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Bracelet or similar article. 158,325, Apr. 25.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussmna & Fishel, Inc., New York, N. Y. Brooch or similar article. 158,402, May 2.
Philippe, Alfred. Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article, 158,609, May 16.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 158,610, May 16.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 158,611, May 16.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 158,612, May 16.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 158,786, May 30.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 158,787, May 30.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 158,788, May 30.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 158,789, May 30.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 158,790, May 30.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 158,791, May 30.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 158,894, June 6.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 158,895, June 6.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 159,436, July 25.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 159,515, Aug. 1.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 159,516, Aug. 1.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 159,517, Aug. 1.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 159,518, Aug. 1.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 159,519, Aug. 1.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 159,520, Aug. 1.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 159,521, Aug. 1.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 159,522, Aug. 1.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 159,523, Aug. 1.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 159,524, Aug. 1.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 159,525, Aug. 1.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 159,526, Aug. 1.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 159,527, Aug. 1.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 159,528, Aug. 1.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 159,529, Aug. 1.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 159,530, Aug. 1.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 159,837, Aug. 22.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 159,838, Aug. 22.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 159,839, Aug. 22.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Clip or similar article. 159,840, Aug. 22.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Clip or similar article. 159,841, Aug. 22.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 159,842, Aug. 22.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 159,843, Aug. 22.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 159,844, Aug. 22.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 159,845, Aug. 22.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 159,846, Aug. 22.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 159,847, Aug. 22.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 159,848, Aug. 22.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 159,849, Aug. 22.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Bracelet or similar article. 159,850, Aug. 22.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Bracelet or similar article. 159,851, Aug. 22.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 159,852, Aug. 22.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 159,853, Aug. 22.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 159,854, Aug. 22.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 159,855, Aug. 22.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 159,856, Aug. 22.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Bracelet or similar article. 159,857, Aug. 22.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 159,922, Aug. 29.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 159,923, Aug. 29.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 159,924, Aug. 29.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 159,925, Aug. 29.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 160,112, Sept. 12.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 160,113, Sept. 12.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 160,114, Sept. 12.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 160,115, Sept. 12.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 160,116, Sept. 12.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 160,117, Sept. 12.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 160,118, Sept. 12.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 160,119, Sept. 12.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 160,120, Sept. 12.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 160,197, Sept. 19.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc. New York, N. Y. Earring or similar article. 160,198, Sept. 19.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 160,199, Sept. 19.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 160,200, Sept. 19.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 160,201, Sept. 19.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 160,202, Sept. 19.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 160,203, Sept. 19.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Link chain for a necklace or the like. 160,204, Sept. 19.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Link chain for a necklace or the like. 160,205, Sept. 19.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 160,206, Sept. 19.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 160,207, Sept. 19.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Bracelet or similar article. 160,208, Sept. 19.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Bracelet or similar article. 160,271, Sept. 26.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 160,333, Oct. 3.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 160,334, Oct. 3.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 160,335, Oct. 3.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 160,336, Oct. 3.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 160,337, Oct. 3.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 160,338, Oct. 3.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 160,422, Oct. 10.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Bracelet or similar article. 160,423, Oct. 10.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 160,424, Oct. 10.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 160,425, Oct. 10.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Link chain for a necklace or the like. 160,426, Oct. 10.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 160,427, Oct. 10.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 160,428, Oct. 10.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Bracelet or similar article. 160,429, Oct. 10.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 160,529, Oct. 17.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 160,530, Oct. 17.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 160,733, Oct. 31.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 160,957, Nov. 21.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Bracelet or similar article. 160,958, Nov. 21.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 160,959, Nov. 21.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 160,960, Nov. 21.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 160,961, Nov. 21.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 160,962, Nov. 21.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 160,963, Nov. 21.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 160,964, Nov. 21.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 160,965, Nov. 21.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 160,966, Nov. 21.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 160,967, Nov. 21.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Link chain for a necklace or similar article. 160,968, Nov. 21.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 160,969, Nov. 21.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 161,038, Nov. 28.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 161,039, Nov. 28.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 161,040, Nov. 28.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 161,041, Nov. 28.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 161,042, Nov. 28.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Separable brooch or similar article. 161,043, Nov. 28.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 161,044, Nov. 28.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 161,045, Nov. 28.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 161,046, Nov. 28.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 161,047, Nov. 28.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 161,048, Nov.28.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Bracelet or similar article. 161,049, Nov. 28.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Bracelet or similar article. 161,050, Nov. 28.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 161.123, Dec. 5.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 161.124, Dec. 5.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 161,201, Dec. 12.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 161,202, Dec. 12.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 161,203, Dec. 12.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 161.204, Dec. 12.
Phillips, Grover C., New Bern, N. C. Bookcase. 160,657 Oct. 24.
Phillips, Joseph S., Forth Worth, Tex. Awning with adjustable louvers. 160,658, Oct. 24.
Phillips, Harry, assignor to State Welding Works, Inc., New York, N. Y. Grille guard for automobile radiators. 159,437, July 25.
Phillips, Harry, assignor to State Welding Works, Inc., New York, N. Y. Grille guard for automobile radiators. 159,438, July 25.
Phillips, Harry, assignor to State Welding Works, Inc., New York, N. Y. Grille guard for automobile radiators. 159,439, July 25.
Phillips-Lester Manufacturing Company, Inc., assignee: *See*—
Schwab, Minnie M.
Phillips, Manuel, San Jose, Calif. Hand adz. 161,279, Dec. 19.
Phillips Manufacturing Company, Inc., assignee: *See*—
Darr, Harold W.
Phipps, Frank A., Avondale, assignor to C. H. Kruse, Kansas City, Mo. Hinge adjusting device. 158,009, Apr. 4.
Photo Research Corporation, assignee: *See*—
Crandell, Frank F.
Picardy Mills, Inc., assignee: *See*—
Blanc, Marinette.
Piccoli, Girolamo, Croton on Hudson, assignor to Tabergé, Inc., New York, N. Y. Bottle. 160,209, Sept. 19.
Piccoli, Girolamo, Croton-on-the-Hudson, assignor to Fabergé, Inc., New York, N. Y. Lipstick holder. 161,051, Nov. 28.
Pichardo, Julio A., New York, N. Y. Airmail envelope. 157,288, Feb. 14.
Pick, Eric, East Rockaway, assignor to The Permutit Company, New York, N. Y. Water softening unit. 159,225, July 4.
Picker X-Ray Corporation, Waite Manufacturing Division, Inc., assignee: *See*—
Goldfield, Edwin R., and Stava.
Graves, Edward B.
Piecka, Mary, Braeburn, Pa. Child's playsuit. 157,202, Feb. 7.
Piecka, Mary, Braeburn, Pa. Child's playsuit. 157,203, Feb. 7.
Pieper, Alphonse F., Brighton, N. Y. Fluorescent lamp support. 157,204, Feb. 7.
Pierce Company, assignee: *See*—
Teague, Walter D.
Pierce, George L., and N. H. Thorkelson, Brooklyn, N. Y., assignors to A. G. Spalding & Bros. Inc., Chicopee, Mass. Athletic shoe. 158,403, May 2.
Pierce, Joseph D.: *See*—
McRae, Malcolm W., and Pierce.
Pierson, Charles A., Maumee, Ohio. Electric range. 160,882, Nov. 14.
Pierson, John D.: *See*—
Ebel, William K., and Pierson.
Pilitz, Frederick, West Hempstead, N. Y. Tablecloth or the like. 156,839, Jan. 10.
Pilitz, Frederick, West Hempstead, N. Y. Table cover or the like. 157,896, Mar. 28.
Pilitz, Frederick, West Hempstead, N. Y. Table cover or the like. 157,897, Mar. 28.
Pilitz, Frederick, West Hempstead, N. Y. Table cover or the like. 157,898, Mar. 28.
Pilkey, Harold W., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Combined trim bar and signal light housing for an automobile. 160,531, Oct. 17.
Pilkey, Harold W., Detroit, Mich. Automobile stone shield. 160,532, Oct. 17.
Pilkey, Harold W., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Lens housing for automobile lamps. 160,806, Nov. 7.
Pilkey, Harold W., and H. J. Keane, Detroit, assignors to Chrysler Corporation, Highland Park, Mich. Automobile lamp housing. 158,216, Apr. 18.
Pilkey, Harold W., and H. J. Keane, Detroit, assignors to Chrysler Corporation, Highland Park, Mich. Automobile lamp lens. 158,326, Apr. 25.
Pine, Cecil C., Floral Park, H. C. Bostwick, Hempstead, C. F. Fragola, East Hempstead, and F. G. Nesbitt, Garden City, assignors to The Sperry Corporation, Great Neck, N. Y. Switching device for controlling aircraft instruments. 159,440, July 25.
Pineda, Ancelmo J., San Antonio, Tex. Clothespin. 159,390, July 18.
Pinkerton, Harold R., assignor to Caldbick and Evans, Seattle, Wash. Child's stroller. 157,085, Jan. 31.
Pinkham, Clarence A., Douglaston, and B. Holohan, Kew Gardens, assignors to Nelpin Manufacturing Co., Inc., Long Island City, N. Y. Sewing machine needle threading device. 160,210, Sept. 19.
Pinkham, Clarence A., Douglaston, and B. Holohan, Kew Gardens, assignors to Nelpin Manufacturing Co., Inc., Long Island City, N. Y. Needle threading device. 161,280, Dec. 19.
Pinkos, John, Attleboro, Mass. Salt shaker or similar article. 160,533, Oct. 17.
Pinson, Alfred, Stamford, assignor to Apex Accessories Co., Inc., Greenwich, Conn. Chain for a bracelet or similar article. 159,001, June 13.
Pion, Sol H.: *See*—
Dutton, Evelyn M., and Pion.
Pirone, Amato M. M., Mount Vernon, N. Y. Portable index file. 157,086, Jan. 31.
Pitman-Dreitzer & Co., Inc., assignee: *See*—
Dreitzer, Albert J.
Piwczynski, Edward F., and R. Galinski, New Britain, Conn. Glare filter for motor vehicles. 157,425, Feb. 21.
Plasmetl Corporation, assignee: *See*—
Zabel, William C. P., and Helfenbein.
Plas-Tex Corporation, The, assignee: *See*—
Alvarez, Edward V.
Plastic Innovations, Inc., assignee: *See*—
Burkes, Alexander.
Plastic Jewel Co. Inc., assignee: *See*—
Ganser, Harry A.
Plastic Novelty Co., assignee: *See*—
Manetti, Mario J.
Plastics Manufacturing Company, assignee: *See*—
Cone, William L.
Plastikaire Products Inc., assignee: *See*—
Bernstein, Morton M.
Platt Luggage, Inc., assignee: *See*—
Bartman, Clyde L. C.

Platt, Robert G., River Forest, assignor to Century Display Mfg. Co., Inc., Chicago, Ill. Carrying case fo electric hand saw and other portable tools. 159,296, July 11.
Plawczyk, Owsiej, London, England. Intercommunication telephone station cabinet. 158,128, Apr. 11.
Playlastic Toy Company Limited, assignee: *See*— Walker, Arthur Oscar.
Plock, John L., Southold, N. Y. Oyster opening apparatus. 159,096, June 20.
Plotnick, Benjamin, Philadelphia, Pa. Shoe. 158,500, May 9.
Pokras, Harry, assignor to Merit Products, Inc., Los Angeles, Calif. Child's dish. 160,121, Sept. 12.
Polan, Albert A., assignee: *See*— Polan, Edwin G., and Metcalf.
Polan, Charles M., assignee: *See*— Polan, Edwin G., and Metcalf.
Polan, Edwin G., and H. H. Metcalf, assignors to A. A., E. G., L. M., C. M. Polan, and Lake Polan, Jr., doing business as Polan Industries, Huntington, W. Va. Filter rod for a coffee maker. 158,404, May 2.
Polan Industries, assignee: *See*— Polan, Edwin G., and Metcalf.
Polan, Lake, Jr., assignee: *See*— Polan, Edwin G., and Metcalf.
Polan, Lincoln M., assignee: *See*— Polan, Edwin G., and Metcalf.
Polime, Franco, Chappaqua, N. Y. Bottle or similar article. 159,531, Aug. 1.
Polime, Franco, Chappaqua, assignor to Twin Bottles, Inc., Port Chester, N. Y. Combined salt-and-pepper shaker. 161,125, Dec. 5.
Polivka, John N., G. T Scharfenberg, and V. M. Butterfield, Minneapolis, Minn., assignors to General Mills, Inc. Toaster. 156,996, Jan. 24.
Polivka, John N., G. T. Scharfenberg, and V. M. Butterfield, Minneapolis, Minn., assignors to General Mills, Inc. Toaster casing section. 156,997, Jan. 24.
Polivka, John N., G. T. Scharfenberg, and V. M. Butterfield, Minneapolis, Minn., assignors to General Mills, Inc. Combination toaster support and carrying handle. 156,998, Jan. 24.
Polivka, John N., assignor to The Spartan Company, Minneapolis, Minn. Binoculars. 158,010, Apr. 4.
Polivka, John N., Minneapolis, Minn., assignor to General Mills, Inc. Steam ironing attachment for flatirons. 159,391, July 18.
Polkosnik, Bernard L., Bridgeport, Conn., assignor to General Hardware Mfg. Co. Inc., New York, N. Y. Doweling jig. 160,734, Oct. 31.
Pollak, Simon, New York, N. Y. Ash tray. 158,681, May 23.
Pollock, Louis, Dothan, Ala. Jewelry charm or the like. 160,735, Oct. 31.
Pomeroy, Charles H., San Antonio, Tex. Dish or similar article. 157,699, Mar. 14.
Poncher, Harold and J. E., assignors to Erie Manufacturing Co., Inc., Chicago, Ill. Automobile grille guard. 157,426, Feb. 21.
Poncher, Harold and J. E., assignors to Erie Manufacturing Co., Inc., Chicago, Ill. Automobile grille guard. 159,392, July 18.
Poncher, Jerry E.: *See*— Poncher, Harold and J. E.
Pontious, Percy R., Castro Valley, Calif. Garment hanger. 159,664, Aug. 8.
Pope, Dora A., Atwood, Colo. Shirt or the like. 160,883, Nov. 14.
Poprocki, Thomas: *See*— Ziolkowski, Walter S., and Poprocki.
Porcelier Manufacturing Company, assignee: *See*— Perrin, Paul C.
Portable Light Company, Inc., The, assignee: *See*— Barrett, Clifford G.
Portal Products Corporation, assignee: *See*— Chereton, Avery B.
Porter, Paul B., Chambersburg, Pa. Vehicle body. 160,012, Sept. 5.
Postelnek, Morton S., Chicago, Ill. Exhaust deflector for automotive vehicles. 160,534, Oct. 17.
Potter, Chauncey C., assignee: *See*— Wagner, William A.
Potter, Harold B., Coshocton, Ohio. Billfold. 157,289, Feb. 14.
Potter, Harold B., Coshocton, Ohio. Billfold. 157,290, Feb. 14.
Potts, Clifford, assignor to L. A. Butler and A. K. Butler, doing business as Ohio Porcelain Company, Zanesville, Ohio. Combination coaster and ash tray or similar article. 156,840, Jan. 10.
Potts, Clifford, assignor to L. A. and A. K. Butler, doing business as Ohio Porcelain Company, Zanesville, Ohio. Combination coaster and ash tray or similar article. 158,501, May 9.
Potts, Clifford, assignor to L. A. and A. K. Butler, doing business as Ohio Porcelain Company, Zanesville, Ohio. Combination coaster and ash tray or similar article. 158,502, May 9.
Potts, Clifford, assignor to L. A. and A. K. Butler, doing business as Ohio Porcelain Company, Zanesville, Ohio. Combination coaster and ash tray or similar article. 168,613, May 16.
Pouliot, Paul, assignor to Presto Lighters Limited, Montreal, Quebec, Canada. Table lighter. 156,999, Jan. 24.
Poulos, William, Bridgeport, Conn. Automobile top. 157,899, Mar. 28.
Pow, Erle J., Woodstock, Ontario, Canada. Dental lathe. 156,915, Jan. 17.
Powell, Ben N., Alpaugh, Calif. Airplane. 159,858, Aug. 22.
Powell, Edward B., Pasadena, assignor of one-half to F. A. Pachmayr, Los Angeles, Calif. Shot pattern control muzzle attachment for firearms. 158,793, May 30.
Powell, Edward B., Pasadena, assignor of one-half to F. A. Pachmayr, Los Angeles, Calif. Shot pattern control muzzle attachment for firearms. 158,794, May 30.
Powell, Edward B., Pasadena, assignor of one-half to F. A. Pachmayr, Los Angeles, Calif. Shot pattern control muzzle attachment for firearms. 158,795, May 30.
Powell, Edward B., Pasadena, assignor of one-half to F. A. Pachmayr, Los Angeles, Calif. Shot pattern control muzzle attachment for firearms. 158,796, May 30.
Powell, Edward B., Pasadena, assignor of one-half to F. A. Pachmayr, Los Angeles, Calif. Shot pattern control muzzle attachment for firearms. 158,797, May 30.
Powell, Edward B., Pasadena, and F. A. Pachmayr, Los Angeles, Calif. Shot pattern control muzzle attachment for firearms. 158,792, May 30.
Powell, La Von I., Denver, Colo. Child's walking automobile. 160,884, Nov. 14.
Powell, La Von I., Denver, Colo. Child's vehicle. 160,885, Nov. 14.
Powell, La Von I., Denver, Colo. Child's walking tractor. 160,886, Nov. 14.
Powell, La Von I., Denver, Colo. Child's walking tricycle. 160,887, Nov. 14.
Powers, Claude, Dayton, Ohio. Motorcycle bumper. 157,427, Feb. 21.
Powers, John J., St. Louis, Mo. Automobile truck. 161,052, Nov. 28.
Powers, John J., University City, Mo. Motor vehicle. 161,126, Dec. 5.
Powsner, Ira L., assignee: *See*— Pagano, Marco.
Präger, Alexander S., New York, N. Y. Garment hanger. 159,532, Aug. 1.
Pratt, Edmond O., Los Angeles, Calif. Irrigating apparatus. 157,900, Mar. 28.
Precious Metals Specialties Company, Inc., The, assignee: *See*— Eichmuller, Ferdinand.
Precision-Cosmet Company, Inc., assignee: *See*— Anderson, Albert L., and Myers. Myers, Leslie W., and Anderson.
Prentice, Lillybelle, assignee: *See*— Ellis, Clarence M.
Presto Lighters Limited, assignee: *See*— Pouliot, Paul.
Pretzer, Bert C., St. Clair Shores, Mich. Lighting fixture. 158,405, May 2.
Prezioso, Giuseppe, Yverdon, assignor to Paillard S. A., Sainte-Croix, Switzerland. Typewriting machine. 158,798, May 30.
Price, Bernard W., San Francisco, Calif. Shoe. 157,901, Mar. 28.
Price, Bernard W., San Francisco, Calif. Shoe. 157,902, Mar. 28.
Price, George L., Great Neck, N. Y. Combination pencil box, ruler, and pencil sharpener. 157,534, Feb. 28.
Price, Leslie A., San Gabriel, Calif. Vehicle wheel shield. 159,859, Aug. 22.
Price, Rolland A., assignor to Columbus Molded Plastics Corporation, Columbus, Ind. Serving tray. 157,700, Mar. 14.
Primavera, Vincent A. R., Norton, Conn. Chair or similar article. 156,764, Jan. 3.
Primavera, Vincent A. R., Norton, Conn. Combined birdbath and sundial or similar article. 159,441, July 25.
Primor Products, Inc., assignee: *See*— Morse, Stanley H.
Prince, Richard, Elmhurst, N. Y. Combined radio, phonograph, and television cabinet. 158,327, Apr. 25.
Princess Eve Products Corp., assignee: *See*— Livermore, Jesse L.
Proctor Electric Company, assignee: *See*— Dailey, Donald E.
Product Design & Mfg. Corp., assignee: *See*— Bunin, Ben.
Productive Inventions, Inc., assignee: *See*— Krohm, Fred A.
Products Development, Incorporated, assignee: *See*— Foye, John J., Jr.
Progress Manufacturing Company Inc., assignee: *See*— Lane, David.
Pro-phy-lac-tic Brush Company, assignee: *See*— Gustafson, Lewis H., and Halberstadt. Muller-Munk, Peter.
Prouse, Marie E., Los Angeles, Calif. Curtain rod guide. 159,442, July 25.
Przybyla, John, Chicago, Ill. Bar tool. 159,533, Aug. 1.
Pulham, Thelma A., Park Ridge, Ill. Doll. 158,406, May 2.
Pulis, Merlin W., Tampa, Fla. Game board. 160,211, Sept. 19.
Pullin, Raymond A., North Stoneham near Eastleigh, and H. Bolas, Salvington Hill, Worthing, assignors to The Cierva Autogiro Company Limited, London, England. Rotor-equipped aircraft. 158,407, May 2.

Pullman-Standard Car Manufacturing Company, assignee: *See*—
Jones, Basil E.
Murphy, Frank L., and Martin.

Punzak, Joseph F., assignor to United Metal Goods Manufacturing Co., Inc., Brooklyn, N. Y. Clockcase or similar article. 158,011, Apr. 4.

Punzak, Joseph F., assignor to United Metal Goods Manufacturing Co., Inc., Brooklyn, N. Y. Coffee pot or the like. 158,682, May 23.

Punzak, Joseph F., assignor to United Metal Goods Manufacturing Co., Inc., Brooklyn, N. Y. Clock. 158,683, May 23.

Punzak, Joseph F., assignor to United Metal Goods Manufacturing Co., Inc., Brooklyn, N. Y. Clock. 158,684, May 23.

Punzak, Joseph F., assignor to United Metal Goods Manufacturing Co., Inc., Brooklyn, N. Y. Clock. 158,685, May 23.

Punzak, Joseph F., assignor to United Metal Goods Manufacturing Co., Inc., Brooklyn, N. Y. Clock or the like. 160,430, Oct. 10.

Purdon, Elda E., Detroit, Mich. Protective apron. 160,888, Nov. 14.

Puritan Sales Company, assignee: *See*—
Feldman, Abrom L., and Schneid.

Puro Co., Inc., The, assignee: *See*—
Saeks, Alvin L.

Pyle, Lula J., and M. H. Schell, Kansas City, Mo. Combined favor holder and place card. 157,291, Feb. 14.

Pyle, Lula J., and M. H. Schell, Kansas City, Mo. Table centerpiece. 158,503, May 9.

Pyramid Products Corporation, assignee: *See*—
Simon, Sidney.

Pyro Plastics Corporation, assignee: *See*—
Zalonis, Victor.

Quaker Lace Company, assignee: *See*—
Castorani, Francesco P.
Hooven, Howard.

Quality Molding Co., assignee: *See*—
Bu Gay, John A.

Quest Shon Mark Brassiere Co., Inc., assignee: *See*—
Paolillo, Anthony.

Quethera, Joseph J., Trona, Calif. Fingernail guard thimble. 158,614, May 16.

Quick, William G., Daisy, Tenn. Balancing toy. 157,535, Feb. 28.

Quin, Murray L., Overland, Mo., assignor to Barber-Colman Company, Rockford, Ill. Louvered fluorescent lighting fixture. 156,765, Jan. 3.

Raben, John G., assignor to Sears, Roebuck and Co., Chicago, Ill. Lighting fixture. 158,686, May 23.

Raben, John G., assignor to Sears, Roebuck and Co., Chicago, Ill. Lighting fixture. 158,687, May 23.

Rabinowitz, Isidor, Philadelphia, Pa. Stocking. 157,622, Mar. 7.

Rabinovitz, Isadore, Philadelphia, Pa. Stocking. 157,903, Mar. 28.

Rabinovitz, Isadore, Philadelphia, Pa. Stocking. 161,281, Dec. 19.

Rabinowitz, Rebecca, Philadelphia, Pa. Stocking. 157,788, Mar. 21.

Rabinowitz, Rebecca, Philadelphia, Pa. Stocking. 157,789, Mar. 21.

Rabkin, William, New York, N. Y. Frame for framed photographs for automatic photographic machines. 160,013, Sept. 5.

Racicot, Albert R., assignor to National Brush Company, Aurora, Ill. Brush. 160,736, Oct. 31.

Rackle, Joseph W., assignor of one-half to G. L. Arnold and one-half to C. H. Beasley, Detroit, Mich. Illuminable house number holder or similar article. 160,535, Oct. 17.

Rademacher, Joseph A., Green Bay, Wis. Carton sealer. 161,370, Dec. 26.

Radenbaugh, Ford, assignee: *See*—
Algier, Allen P.

Radiant Heater Corporation, assignee: *See*—
Walker, George W.

Radio Craftsmen, Inc., assignee: *See*—
Christianson, Howard J.

Raetsch, Bruno A.: *See*—
Barber, Robert R., and Raetsch.

Ragusa, Frank, Los Angeles, Calif. Toilet bowl brush holder. 158,504, May 9.

Raichert, Edward K., Arlington Heights, assignor to Roman Raichert Company, Chicago, Ill. Combined sewing machine cabinet and stool therefor. 159,534, Aug. 1.

Raichert, Roman, Company, assignee: *See*—
Raichert, Edward K.

Raleigh, Le Roy H., Ogden, Utah. Serving platter or similar article. 161,205, Dec. 12.

Ramode, Inc., assignee: *See*—
Friend, Ralph L.

Ramstrum, Eric P., assignor to Detro Products, Inc., Grosse Pointe Farms, Mich. Automobile ornament. 160,014, Sept. 5.

Rand McNally & Company, assignee: *See*—
Harvey, Bennet B., and Landes.

Randall, Walter H., Waterville, assignor, by mesne assignments, to The Canal National Bank of Portland and W. B. Nutley, as trustees, Portland, Maine. Compartmented tray for fruit and other articles. 160,737, Oct. 31.

Randall, Walter H., Waterville, assignor, by mesne assignments, to The Canal National Bank of Portland and W. B. Nutley, as trustees, Portland, Maine. Pack for fragile articles. 160,738, Oct. 31.

Randolph, Max H., New York, N. Y. Handbag frame. 158,217, Apr. 18.

Randolph, Max H., New York, N. Y. Handbag frame. 158,218, Apr. 18.

Randolph, Max H., assignor to Randolph-Rand Sales Co., Inc., New York, N. Y. Handbag frame. 158,328, Apr. 25.

Randolph, Max H., assignor to Randolph-Rand Sales Co., Inc., New York, N. Y. Handbag frame. 158,615, May 16.

Randolph, Max H., New York, N. Y. Handle post. 160,339, Oct. 3.

Randolph, Max H., New York, N. Y. Handle post. 160,340, Oct. 3.

Randolph-Rand Sales Co., Inc., assignee: *See*—
Randolph, Max H.

Ransburg, Gregg, assignor to Harper J. Ransburg Co., Inc., Indianapolis, Ind. Toilet tissue holder. 160,739, Oct. 31.

Ransburg, Harper J., Co., Inc., assignee: *See*—
Ransburg, Gregg.

Raska, Joseph, Berkley, Mich. Wheel puzzle game board. 158,129, Apr. 11.

Rauch, Alfons M., and J. M. Collyer, Elmsford, N. Y. Phonograph record holder. 160,015, Sept. 5.

Raulston, James L., South Pittsburgh, Tenn. Fireplace type radiant heater. 159,926, Aug. 29.

Rausch, Joseph J., Berwyn, assignor to H. T. O'Brien, doing business as O'Brien Manufacturing Co., Chicago, Ill. Sewer cleaning machine. 158,505, May 9.

Raymond Laboratories, Inc., assignee: *See*—
Watson, Stanley C.

Reconstruction Finance Corporation, assignee: *See*—
Burd, Samuel I.
Kellogg, Everett J.
Ryan, John E.

Redd, William R., Western Springs, Ill. Combined salt and pepper shaker. 156,766, Jan. 3.

Redden, Arthur L., Vallejo, Calif. Set of bridge playing game tablets. 160,889, Nov. 14.

Redlich, Paula, New York, and E. C. Steiner, Jackson Heights, N. Y. Pot cover holder. 161,206, Dec. 12.

Redmond Company Inc., assignee: *See*—
Monroe, Thomas D.

Reece, Clarence D., Duluth, assignor to Car-Ree-All Products, Inc., Minneapolis, Minn. Vacuum cleaner cart. 160,659, Oct. 24.

Reed and Barton, assignee: *See*—
Cayer, Theodore E.
Lafferty, William L.
Rivard, Charles A.

Reed, Frank J., Philadelphia, and L. J. Bobb, Glenside, assignors to The International Electronics Company, Philadelphia, Pa. Combined housing and mounting for magnetic tape record handling apparatus. 156,841, Jan. 10.

Reed, Maude F., Malden, Mass. Combination soap dish and soap holder. 159,860, Aug. 22.

Reelshav Corporation, assignee: *See*—
Jones, George D.
Jones, George D., and Miller.

Rehns, Charles, New York, N. Y. Wall bracket. 157,000, Jan. 24.

Reibling-Lewis, Inc., assignee: *See*—
Bristol, Charles W.

Reichart, James H., Muncie, Ind. Coffee maker. 157,701, Mar. 14.

Reicher, Alexander A., Los Angeles, Calif. Playground device. 160,341, Oct. 3.

Reid, John D., assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Antenna. 160,016, Sept. 5.

Reifsnyder, James D., Flushing, and S. I. Johnson, College Point, assignors to Lily-Tulip Cup Corporation, New York, N. Y. Receptacle for rodent poison. 160,890, Nov. 14.

Reilly, Alfred F., North Attleboro, Mass. Combined compact and lipstick holder. 157,702, Mar. 14.

Reilly, Alfred F., assignor to Evans Case Co., North Attleboro, Mass. Table lighter. 158,688, May 23.

Reilly, Alfred F., assignor to Evans Case Co., North Attleboro, Mass. Table lighter. 158,689, May 23.

Reilly, Alfred F., North Attleboro, Mass., assignor to Evans Case Co. Vanity case or the like. 159,927, Aug. 29.

Reilly, Alfred F., Taunton, assignor to Evans Case Co., North Attleboro, Mass. Table lighter. 160,431, Oct. 10.

Reilly, Alfred F., North Attleboro, Mass., assignor to Evans Case Co. Safety razor. 160,536, Oct. 17.

Reilly, William J., Attleboro, Mass., assignor to Evans Case Co. Table lighter. 156,916, Jan. 17.

Reinecke, Jean O., Chicago, Ill. Corn cob holder. 157,001, Jan. 24.

Reinecke, Jean O., Oak Park, assignor to McGraw Electric Company, Elgin, Ill. Electric iron. 159,665, Aug. 8.

Reinecke, Jean O., Oak Park, assignor to Bell & Howell Company, Chicago, Ill. Photographic camera. 160,122, Sept. 12.
Reineke, Aileen M., Cary, Ill. Jacket-type coaster. 159,535, Aug. 1.
Reineman, Richard G., Covina, assignor to Fairchild Camera and Instrument Corporation, Pasadena, Calif. Stereoscope. 157,087, Jan. 31.
Reingold, Robert, New York, N. Y. Molding. 159,163, June 27.
Reingold, Robert, New York, N. Y. Molding. 159,164, June 27.
Reinhardt, Harry S., St. Louis, Mo. Combined trophy and clock. 161,375, Dec. 26.
Reinhart, John B., Jr., and J. B. Ruebel, assignors to Trimfoot Company, Farmington, Mo. House shoe. 161,371, Dec. 26.
Reinhart, John B., Jr., and J. B. Ruebel, assignors to Trimfoot Company, Farmington, Mo. House shoe. 161,372, Dec. 26.
Reinhart, John B., Jr., and J. B. Ruebel, assignors to Trimfoot Company, Farmington, Mo. House shoe. 161,373, Dec. 26.
Reinhart, John B., Jr., and J. B. Ruebel, assignors to Trimfoot Company, Farmington, Mo. House shoe. 161,374, Dec. 26.
Reinheimer, Emma C., Magnolia, and E. R. Davis, Woodbury, N. J. Filing cabinet. 160,123, Sept. 12.
Reisert, August D.: *See*—
Fox, Alexander P., and Reisert.
Reising, Harry A., La Grange, Ill. Game board. 159,928, Aug. 29.
Reith, John F., Syracuse, N. Y. Clothesline pole cap. 158,130, Apr. 11.
Reithard, William M., Los Angeles, assignor to Link Anderson, Inc., Santa Monica, Calif. Hinged bracket or similar article. 157,088, Jan. 31.
Remington Rand Inc., assignee: *See*—
Eaton, William W., and Olson.
Geerlings, Gerald K.
Senechal, Wallace R.
Rentchler, Frances A., Larchmont, N. Y. Tray. 159,755, Aug. 15.
Renz, Curt A., Chicago, Ill. Child's slipper. 160,891, Nov. 14.
Republic Aviation Corporation, assignee: *See*—
Boyajian, Alfred Z., Gitz, and Spencer.
Miller, Robert W.
Spencer, Percival H.
Resnick, Joseph Y., assignor to Channel Master Corporation, Ellenville, N. Y. Television receiving antenna. 161,282, Dec. 19.
Rettich, Kurt, assignor to Keeler Brass Company, Grand Rapids, Mich. Handle for stoves or the like. 161,376, Dec. 26.
Reubel, Joseph B.: *See*—
Reinhart, John B., Jr., and Ruebel.
Reusch, Verne G., San Francisco, Calif. Coating applicator. 157,904, Mar. 28.
Revere Camera Company, assignee: *See*—
Lustig, Frank.
Lustig, Frank, and Nelson.
Nelson, Harris E., Lustig, and Schell.
Revere Copper and Brass Incorporated, assignee: *See*—
Welden, William A.
Rewalt, Nathan H., Muskegon, Mich., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Retarder for bowling balls or the like. 158,329, Apr. 25.
Rex Products Corporation, assignee: *See*—
Shea, William S.
Reynolds, Carl, Jr., Birmingham, Mich., assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Door for a refrigerator evaporator. 158,799, May 30.
Reynolds, Carl, Jr., Birmingham, Mich., assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Cabinet for a radio receiver. 160,537, Oct. 17.
Reynolds, Carl, Jr., Birmingham, Mich., assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Cabinet for a radio receiver. 160,538, Oct. 17.
Reynolds, Carl, Jr., Birmingham, Mich., assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Cabinet for a radio receiver. 160,740, Oct. 31.
Reynolds, Carl, Jr., Birmingham, Mich., assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Radio receiver cabinet. 160,741, Oct. 31.
Reynolds, Carl, Jr., Birmingham, Mich., assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Portable radio receiver cabinet. 160,742, Oct. 31.
Reynolds, Carl, Jr., Birmingham, Mich., assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Radio receiver cabinet. 160,970, Nov. 21.
Reynolds, Earl C., Detroit, Mich. Chemical feeder for feeding chemicals into water supply systems. 158,408, May 2.
Reynolds, Frederick, Detroit, Mich. Automobile stone shield. 160,124, Sept. 12.
Reynolds, Frederick, Detroit, Mich. Ornament for an automobile grille. 160,539, Oct. 17.
Reynolds, Harry V., West Los Angeles, assignor to Reynolds Industries Incorporated, Culver City, Calif. Bobbin holder. 160,272, Sept. 26.
Reynolds Industries Incorporated, assignee: *See*—
Reynolds, Harry V.
Reynolds, John D., III, Philadelphia, assignor to King's College, Wilkes-Barre, Pa. Finger ring. 156,917, Jan. 17.
Reynolds, Lewis J., Houston, Tex. Illuminating table. 157,205, Feb. 7.
Reynolds Metals Company, assignee: *See*—
Saut, Jules F.
Stevenson, Ralph W.
Rheem Manufacturing Company, assignee: *See*—
James, Richard E., and Pentecost.
Rice, Earl A., Mercersburg, Pa. Fish bowl. 160,125, Sept. 12.
Rice, Earl A., Mercersburg, Pa. Combination transparent fish bowl and handle. 161,207, Dec. 12.
Rice, Lewis G., Montague, Mich. Spoon fishing lure. 158,012, Apr. 4.
Richards, Harper, assignor to Cory Corporation, Chicago, Ill. Beverage brewer. 157,428, Feb. 21.
Richards, Harry C., Morristown, N. J., assignor to Foster Grant Co., Inc., Leominster, Mass. Receptacle for holding coins and the like. 159,097, June 20.
Richards, Harry C., Morristown, N. J., assignor to Foster Grant Co., Inc., Leominster, Mass. Comb or the like. 160,273, Sept. 26.
Richardson, James A, Burlingame, Calif. Anklet. 160,743, Oct. 31.
Richardson, Joseph B., Norfolk, Va. Coaster. 157,536, Feb. 28.
Richman, Frances, Brooklyn, N. Y. Ink container or similar article. 160,017, Sept. 5.
Richman, Frances, New York, N. Y. Ink container or similar article. 160,018, Sept. 5.
Richman, Harry A., Chicago, Ill. Automobile hood ornament. 157,429, Feb. 21.
Riddle, Clark W., Provo, Utah. Alphabet dish set. 161,208, Dec. 12.
Ridgefield Silversmiths, Inc., assignee: *See*—
Sohn, Ernest, and San Giovanni.
Ridings, Garvice H.: *See*—
Wise, Raleigh J., Parrott, and Ridings.
Riemerschmid, Heinrich, assignor to Anton Reimerschmid Kommanditgesellschaft, Munich, Germany. Bottle. 160,660, Oct. 24.
Ries, Edward J., Brighton, and C. G. Maxson, assignors to Ritter Company, Inc., Rochester, N. Y. Dental lighting unit. 159,002, June 13.
Riesinger, Nicholas, Scotch Plains, N. J. Combined electrical socket and clamp. 160,540, Oct. 17.
Rigby, Robert H., Kew Gardens, N. Y. Combined desk pad and interoffice communicating unit. 158,616, May 16.
Riha, Cyril M., assignor to Design Development Corporation, Atlanta, Ga. Shrimp cleaner. 157,430, Feb. 21.
Riley, Philip A., Dayton, Ohio. Wall plaque. 159,443, July 25.
Riley, Philip A., Dayton, Ohio. Wall plaque. 159,444, July 25.
Riley, Philip A., Dayton, Ohio. Wall plaque. 159,445, July 25.
Riley, Philip A., Dayton, Ohio. Wall plaque. 159,446, July 25.
Rindt, Elsie B., Milwaukee, Wis. Cover drape for bathtubs. 157,790, Mar. 21.
Ringler, William A., Wayne, Pa., assignor to The Gardner-Richardson Company, Middletown, Ohio. Bottle carrier. 159,666, Aug. 8.
Rippe, Henry F., Cincinnati, Ohio. Newspaper rack or similar article. 159,165, June 27.
Rippon, Harold R., East Lynn, Mass., assignor to The Stanley Works, New Britain, Conn. Marking gauge. 160,541, Oct. 17.
Risdon Manufacturing Company, The, assignee: *See*—
Duelfer, Raymond.
Risk, Norman E., assignor to Caterpillar Tractor Co., Peoria, Ill. Tractor track shoe. 157,905, Mar. 28.
Risom, Jens, New York, assignor to Calvin Corporation, Long Island City, N. Y. Juvenile crib. 161,377, Dec. 26.
Ritepoint Co., assignee: *See*—
Lipic, Sylvester G., and Moore.
Ritholz, Dr., & Sons Company, assignee: *See*—
Wolter, Otto E.
Ritter Company, Inc.: *See*—
Ries, Edward J., and Maxson.
Ritter, Saul, New York, N. Y. Expansible bracelet or similar article. 160,542, Oct. 17.
Ritter, Saul, assignor of one-half to M. J. Bruner, New York, N. Y. Link chain for a bracelet or similar article. 160,971, Nov. 21.
Ritter, Saul, assignor of one-half to M. J. Bruner, New York, N. Y. Expansible chain for a bracelet or similar article. 161,378, Dec. 26.
Ritts, Herbert, Los Angeles, Calif. Cocktail table or the like. 157,791, Mar. 21.
Ritts, Herbert, Los Angeles, Calif. Dinette chair or the like. 158,506, May 9.
Ritts, Herbert, Los Angeles, Calif. Armchair or the like. 158,507, May 9.

Rivard, Charles A., Providence, R. I., assignor to Reed and Barton, Taunton, Mass. Spoon or similar article. 157,703, Mar. 14.
Rives, Walter L., Jacksonville, Fla. Combined fishing rod handle and reel mount. 156,842, Jan. 10.
Rizzuto, Frank E., Chicago, Ill. Baby's crib tray. 160,744, Oct. 31.
Robb, Wayne F., Denver, Colo., assignor to Shaw Insulator Company, Irvington, N. J. Dispensing container or similar article. 158,800, May 30.
Robbins Company, The, assignee: *See*— Davis, Edmund A. Thoresen, George A.
Robbins & Huber, Inc., assignee: *See*— Huber, Wilbur M.
Robbins, John R., assignor to M. A. Hill, San Antonio, Tex. Bonnet. 160,972, Nov. 21.
Roberson Fabrics, Inc., assignee: *See*— Lewin, Nina.
Roberson, Willard D., New York, N. Y. Textile fabric or similar article. 158,801, May 30.
Roberts Designs, Inc., assignee: *See*— Roberts, Harry J.
Roberts, Harry J., University Heights, assignor to Roberts Designs, Inc., Cleveland, Ohio. Automobile accessory display fixture. 157,792, Mar. 21.
Roberts, Harry J., University Heights, assignor to Roberts Designs, Inc., Cleveland, Ohio. Automobile lubrication display fixture. 158,409, May 2.
Robillard, Robert J., Dearborn, assignor to Kaiser-Frazer Corporation, Willow Run, Mich. Automobile hood ornament. 160,543, Oct. 17.
Robins, Jack L., Los Angeles, Calif., assignor, by mesne assignments, to Transervice, Inc. Newspaper and pamphlet dispenser for streetcars and busses. 161,127, Dec. 5.
Roche, Pearl, Meadville, Pa. Receptacle or similar article. 159,393, July 18.
Rochow, Arthur J., Pittsford, N. Y. Supporting base and cover for window locks. 156,767, Jan. 3.
Rock-Ola Manufacturing Corporation, assignee: *See*— Waltman, Chauncey E.
Rockvam, Arnold, assignee: *See*— Thompson, John H.
Rockwell Manufacturing Company, assignee: *See*— Stevens, Clifford B.
Rockwood, Donald, Cheektowaga, N. Y. Animated toy figure. 160,212, Sept. 19.
Rodman, Clarence J., Alliance, Ohio. Bathtub. 156,843, Jan. 10.
Rodman, Clarence J., Alliance, Ohio. Bathtub. 160,019, Sept. 5.
Rodriguez, Emil, assignor to Jacoby-Bender, Inc., New York, N. Y. Expansible link chain for a bracelet or the like. 158,410, May 2.
Rodriguez, Emil, assignor to Jacoby-Bender, Inc., New York, N. Y. Expansible link chain for a bracelet or the like. 160,274, Sept. 26.
Rodriguez, Emil, assignor to Jacoby-Bender, Inc., New York, N. Y. Expansible link chain for a bracelet or the like. 160,275, Sept. 26.
Rodriguez, Emil, assignor to Jacoby-Bender, Inc., New York, N. Y. Expansible link chain for a bracelet or the like. 160,276, Sept. 26.
Rodriguez, Emil, assignor to Jacoby-Bender, Inc., New York, N. Y. Expansible link chain for a bracelet or the like. 160,277, Sept. 26.
Rogers, Arthur H., Altamahaw, assignor to Glen Raven Knitting Mills, Inc., Glen Raven, N. C. Lady's stocking. 158,690, May 23.
Rogers, Barbara, Bethel, Conn. Connector pin for mittens or the like. 159,450, July 25.
Rogers, Howard E., Long Beach, Calif. Portable step device. 157,436, Feb. 21.
Rogers Imports Inc., assignee: *See*— Silverman, Irving.
Rogers, Stanley J., Churchill, Ohio. Golf tee. 161,283, Dec. 19.
Rolph, Samuel F., Arlington Heights, Ill., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Door closer casing. 161,209, Dec. 12.
Romalite Company, assignee: *See*— Lench, Benjamin.
Romanelli, Louis, Chicago, Ill., assignor to Certain-Teed Products Corporation, Ardmore, Pa. Acoustical tile 160,020, Sept. 5.
Rona, Gustav G., New York, N. Y. Lady's handbag or similar article. 158,691, May 23.
Ronfeldt Associates, Inc., assignee: *See*— Ronfeldt, Howard W.
Ronfeldt, Howard W., assignor to Ronfeldt Associates, Inc., Toledo, Ohio. Safety ladder step. 157,206, Feb. 7.
Ronson Art Metal Works, Inc., assignee: *See*— Kaupmann, Frederick.
Roop, Nathan W., assignor to Columbus Plastic Products Inc., Columbus, Ohio. Serving tray or similar article. 156,844, Jan. 10.
Roop, Nathan W., assignor to Columbus Plastic Products Inc., Columbus, Ohio. Towel rack. 157,431, Feb. 21.
Roop, Nathan W., assignor to Columbus Plastics Products Inc., Columbus, Ohio. Flower holder or similar article. 160,892, Nov. 14.
Roos, Joe, Jr., assignor to Missouri Automatic Control Corporation, St. Louis, Mo. Casing for a thermostat, or the like. 157,537, Feb. 28.
Roper, Geo. D., Corporation, assignee: *See*— Stuman, Jack B.
Rose, George O., assignee: *See*— Finch, Percy R.
Rosen, Henri E., Brookline, Mass. Child's slipper or similar article. 157,292, Feb. 14.
Rosen, Henri E., Brookline, Mass. Child's slipper or similar article. 157,704, Mar. 14.
Rosenberg, Charles S., Chicago, Ill. Swiveling counter display lamp or the like. 158,617, May 16.
Rosenfield, Louis, assignor to Miro Container Company, Inc., Brooklyn, N. Y. Box. 158,896, June 6.
Rosenheim, David J, New York. N. Y. Clip-on hat rack. 159,536, Aug. 1.
Rosenthal, Harry, Mount Vernon, N. Y. Carrying case for photographic light meters. 156,918, Jan. 17.
Rosenthal, Rubin, New York, N. Y. Gem setting or similar article. 157,906, Mar. 28.
Rosenthal, Rubin, New York, N. Y. Gem setting or similar article. 157,907, Mar. 28.
Rosenthal, Sol H., Los Angeles, Calif. Juice extractor. 160,126, Sept. 12.
Rosenthal, William, Bayville, N. Y. Brassière. 158,692, May 23.
Roskind, Eddie, Scarsdale, N. Y., assignor to Nu-Maid Hosiery Mills, Inc., Darby, Pa. Lady's stocking. 159,166, June 27.
Ross, Arthur, assignor to General Motors Corporation, Detroit, Mich. Combined parking lamp and air scoop casing. 157,623, Mar. 7.
Ross, Arthur, assignor to General Motors Corporation, Detroit, Mich. Automotive vehicle hood ornament. 159,929, Aug. 29.
Ross, Arthur, assignor to General Motors Corporation, Detroit, Mich. Automotive vehicle steering wheel and horn ring assembly. 159,930, Aug. 29.
Ross, Arthur, assignor to General Motors Corporation, Detroit, Mich. Wheel hub cap. 160,127, Sept. 12.
Ross, Arthur, assignor to General Motors Corporation, Detroit, Mich. Automobile emblem plate or similar article. 160,128, Sept. 12.
Ross, Arthur, assignor to General Mootrs Corporation, Detroit, Mich. Combined automobile bumper and grille guard. 160,661, Oct. 24.
Ross, Harry L., assignor to Kay, Inc., New York, N. Y. Counter attachment for freezer units or the like. 159,394, July 18.
Ross, Mark, Los Angeles, Calif. Fruit and vegetable slicer. 156,845, Jan. 10.
Ross, Morton M., New York, N. Y. Rattle. 159,667, Aug. 8.
Rossi, Louis, Bronx, N. Y. Cigarette dispenser, or the like. 157,538, Feb. 28.
Rosten, Jay, Brooklyn, N. Y. Bicycle hub. 157,539, Feb. 28.
Roth, Margaret, assignor to Roth & Steiner, Inc., New York, N. Y. Casing for cigarette lighter, lipstick, or similar article. 157,207, Feb. 7.
Roth & Steiner, Inc., assignee: *See*— Roth, Margaret.
Roths, Herbert C., assignor to Roths Industries, Inc., Alma, Mich. Garden tractor. 157,432, Feb. 21.
Roths Industries, Inc., assignee: *See*— Roths, Herbert C.
Rothchild, Aaron, Flushing, N. Y. Handbag or similar article. 160,021, Sept. 5.
Rothchild, Edwin, Brooklyn, N. Y. Display stand. 159,861, Aug. 22.
Rothschild, Herbert M., Kitchawan, N. Y. Furniture base unit. 159,003, June 13.
Rouse, Calvin, Jamaica, N. Y. Clown figure toy. 156,846, Jan. 10.
Rowe, Harbert D., Glendale, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Airplane seat. 159,297, July 11.
Roy, Lawrence C.: *See*— Stanley, Harry, Tancre, and Roy.
Roy, Milton, Company, assignee: *See*— Saalfrank, Royal B.
Royal Lace Paper Works, assignee: *See*— Karfiol, Edward.
Rubel & Company Decorative Accessories, Inc., assignee: *See*— Sohn, Ernest, and San Giovanni.
Rubel, Max J., assignor to Erie Manufacturing Co., Inc., Chicago, Ill. Automotive grill guard or similar article. 158,802, May 30.
Rubin, Henry, University Heights, assignor to Ohio Knitting Mills, Cleveland, Ohio. Sweater or the like. 157,433, Feb. 21.
Rubin, Henry, University Heights, assignor to Ohio Knitting Mills, Cleveland, Ohio. Sweater or the like. 157,434, Feb. 21.
Rubin, Irving, assignee: *See*— Mulhall, John P.
Rubin, Noah, assignor to National Plastic Corp., New York, N. Y. Knickknack shelf. 160,662, Oct. 24.
Rubin, Noah, assignor to National Plastic Corp., New York, N. Y. Miniature wall shelf. 161,128, Dec. 5.

Rubinstein, Helena, Inc., assignee : *See*—
Libson, Philip.
Medgyes, Ladislas.

Rubrite, Omer, Chattanooga, Tenn. Magazine stand. 160,432, Oct. 10.

Ruch, Richard K., assignor to The Gates Rubber Company, Denver, Colo. Display stand for garden hose. 160,663, Oct. 24.

Rucker, J. W., assignor to Loma Plastics, Inc., Fort Worth, Tex. Candy container or the like. 157,435, Feb. 21.

Rudd, George, Bedford, Ohio. Plate or similar article. 159,447, July 25.

Rudd, George, assignor to The Walker China Company, Bedford, Ohio. Plate or similar article. 161,053, Nov. 28.

Rudd, Lloyd K. : *See*—
Melikian, Khoren C., and Rudd.

Rudholm, Sigurd, Muskegon, Mich. Sundial. 158,013, Apr. 4.

Ruggles, Donald H., Tulsa, Okla. Rigid covering for awnings or like structures. 161,210, Dec. 12.

Ruml, Wentzle, Jr., East Orange, N. J. Combined handbag, lunchbox, and vacuum bottle. 158,897, June 6.

Runyon, Clinton A., Jr., Chicago, Ill. Mouthpiece for wind instruments. 156,847, Jan. 10.

Runyon, John S., San Clemente, Calif. Golf club cover. 160,807, Nov. 7.

Rupert, Richard : *See*—
Peterson, Wilbur P., and Rupert.

Russell, Donald F., Newburyport, assignor to Sylvania Electric Products Inc., Salem, Mass. Fluorescent lighting fixture. 158,803, May 30.

Russell, Herbert H., assignor to The Greist Manufacturing Company, New Haven, Conn. Darning attachment for sewing machines. 161,284, Dec. 19.

Russell, John K., North Hollywood, Calif. Fish lure. 159,448, July 25.

Russell, John K., North Hollywood, Calif. Fish lure. 159,449, July 25.

Russell, Linus E., assignor to Peters & Russell, Inc., Springfield, Ohio. Reflector unit. 157,624, Mar. 7.

Russell, Linus E., assignor to Peters & Russell, Inc., Springfield, Ohio. Reflector unit. 157,625, Mar. 7.

Russell, Linus E., assignor to Peters & Russell, Inc., Springfield, Ohio. Automobile air deflector. 157,626, Mar. 7.

Russell, Linus E., assignor to Peters & Russell, Inc., Springfield, Ohio. Automobile air deflector. 157,627, Mar. 7.

Russell, Linus E., assignor to Peters & Russell, Inc., Springfield, Ohio. Automobile air deflector. 157,628, Mar. 7.

Russell, Linus E., assignor to Peters & Russell, Inc., Springfield, Ohio. Automobile air deflector. 157,629, Mar. 7.

Russell, Linus E., assignor to Peters & Russell, Inc., Springfield, Ohio. Automobile air deflector. 157,630, Mar. 7.

Russell, Linus E., assignor to Peters & Russell, Inc., Springfield, Ohio. Automobile air deflector. 157,631, Mar. 7.

Russell, Linus E., Springfield, Ohio. Exhaust deflector. 159,098, June 20.

Russell, Linus E., Springfield, Ohio. Windshield defroster. 159,226, July 4.

Russell, Linus E., Springfield, Ohio. Exhaust extension. 159,227, July 4.

Russell, Linus E., assignor to Peters & Russell, Inc., Springfield, Ohio. Exhaust deflector. 159,862, Aug. 22.

Russell, Linus E., Springfield, Ohio. Exhaust deflector. 159,863, Aug. 22.

Russell, Linus E., assignor to Peters & Russell, Inc., Springfield, Ohio. Exhaust deflector. 159,864, Aug. 22.

Russell, Linus E., assignor to Peters & Russell, Inc., Springfield, Ohio. Exhaust extension. 159,865, Aug. 22.

Russell, Linus E., assignor to Peters & Russell, Inc., Springfield, Ohio. Exhaust deflector. 160,544, Oct. 17.

Russell, Linus E., assignor to Peters & Russell, Inc., Springfield, Ohio. Exhaust deflector. 160,545, Oct. 17.

Russell, Mark N., Syracuse, assignor to Pass & Seymour, Inc., Solvay Station, Syracuse, N. Y. Duplex surface wiring outlet. 159,004, June 13.

Russell, Ralph R., Leicester, Mass. Card tray. 161,285, Dec. 19.

Russum, Homer W., Chestertown, Md. Automobile. 159,099, June 20.

Rust, Russell L., San Marino, Calif. Center ornament for ash tray or similar article. 160,342, Oct. 3.

Rust, Russell L., San Marino, Calif. Vase or similar article. 160,433, Oct. 10.

Rutka, Stanley J., Gheen, Minn. Paper dispenser. 161,054, Nov. 28.

Ryan, John E., Danbury, Conn., assignor to Reconstruction Finance Corporation, New York, N. Y. Tile floor and wall covering. 158,219, Apr. 18.

Ryder, Everett O., Pleasantville, N. Y. Collapsible, combined vanity-bench, mirror and tray. 159,100, June 20.

S & M Lamp Co., assignee : *See*—
Heidt, Herman.

S. F. Appliances, Limited, assignee : *See*—
Scherr, Samuel, and Smith.

Saalfrank, Royal B., Gulfport, Fla., assignor to Milton Roy Company, Chestnut Hill, Pa. Metering pump for chemical solutions or the like. 160,808, Nov. 7.

Saarinen, Eero, Bloomfield Hills, Mich., assignor to Knoll Associates, Inc., New York, N. Y. Chair or the like. 158,508, May 9.

Saarinen, Eero, Bloomfield Hills, Mich., assignor to Knoll Associates, Inc., New York, N. Y. Chair or the like. 158,509, May 9.

Saarinen, Eero, Bloomfield Hills, Mich., assignor to Knoll Associates, Inc., New York, N. Y. Chair or the like. 158,510, May 9.

Sabel, Charles : *See*—
Stupell, Leo K., and Sabel.

Saccoccia, Anthony, Providence, R. I. Hassock. 161,211, Dec. 12.

Sachs, Charles M., West Newton, assignor to Formaid Co., Boston, Mass. Brassière. 156,768, Jan. 3.

Sachson, Abraham H. : *See*—
Blatner, Milton W., and Sachson.

Sacks, Julius P., Chicago, Ill. Chair or the like. 159,537, Aug. 1.

Sacks, Milton D., New York, N. Y. Musical toy. 158,511, May 9.

Saeks, Alvin L., Clayton, assignor to The Puro Co., Inc., St. Louis, Mo. Moth repellent container or the like. 158,898, June 6.

Saffran, George W. : *See*—
Arnold, Harley E., and Saffran.

Saftlas, Samuel, Newark, N. J. Knitted fabric. 159,298, July 11.

Sakier, George, Frenchtown, N. J., assignor to Animal Trap Company of America, Lititz, Pa. Jardiniere. 156,769, Jan. 3.

Sakier, George, New York, N. Y., assignor to Fostoria Glass Company, Moundsville, W. Va. Goblet. 156,770, Jan. 3.

Sakier, George, New York, N. Y., assignor to Fostoria Glass Company, Moundsville, W. Va. Bowl. 158,014, Apr. 4.

Sakier, George, New York, N. Y., assignor to Fostoria Glass Company, Moundsville, W. Va. Footed tumbler. 158,131, Apr. 11.

Sakier, George, New York, N. Y., assignor to Fostoria Glass Company, Moundsville, W. Va. Candlestick. 159,756, Aug. 15.

Sakier, George, New York, N. Y., assignor to Fostoria Glass Company, Moundsville, W. Va. Candlestick. 159,757, Aug. 15.

Salcy, Enzo A., Arlington, Mass. Tire. 157,437, Feb. 21.

Salg, Emilia V., Chicago, Ill. Egg cup. 156,848, Jan. 10.

Salisbury, Frank M., Kenmore, assignor to Frontier Aircraft Corporation, Buffalo, N. Y. Vehicle. 158,132, Apr. 11.

Salisbury, Frank M., Kenmore, assignor to Frontier Aircraft Corporation, Buffalo, N. Y. Vehicle. 158,133, Apr. 11.

Salisbury, John L., Jr., Phelps, N. Y. Funnel. 158,693, May 23.

Salisbury, Leonard H., Vancouver, British Columbia, Canada. Lipstick container. 157,793, Mar. 21.

Salkeld, Charles D., Toronto, Ontario, Canada. Golf bag support. 159,167, June 27.

Saltzman, Morris, New York, N. Y. Child's hooded coat. 161,129, Dec. 5.

Sampson, Samuel, New York, N. Y. Lady's dickey. 157,908, Mar. 28.

Samuelson, Julius, Kansas City, Mo. Rack. 160,213, Sept. 19.

Sand, John F., Newark, assignor to Gemex Company, Union, N. J. Bracelet chain. 157,632, Mar. 7.

Sand, John F., Newark, assignor to Gemex Company, Union, N. J. Link chain for a bracelet or the like. 158,411, May 2.

Sand, John F., Newark, assignor to Gemex Company, Union, N. J. Expansible chain. 160,214, Sept. 19.

Sand, John F., Newark, assignor to Gemex Company, Union, N. J. Watch bracelet. 160,893, Nov. 14.

Sandberg, Harry O., Boston, Mass. Envelope moistener or the like. 158,899, June 6.

Sandefur, Richard L., Central Islip, N. Y. Jigger. 158,412, May 2.

Sanders, Morris, New York, N. Y., assignor to The Formica Company. Sheet of decorative material or the like. 157,633, Mar. 7.

Sanders, Ralph G. : *See*—
Barkules, Andrew P., and Sanders.

Sandin, Ray C., Oak Park, Ill., assignor to Hotpoint Inc. Washing machine. 156,771, Jan. 3.

Sandin, Ray C., Oak Park, Ill., assignor to Hotpoint Inc. Automatic clothes washer. 156,772, Jan. 3.

Sandin, Ray C., Oak Park, Ill., assignor to Hotpoint, Inc. Electric range backsplasher. 157,705, Mar. 14.

Sandin, Ray C., Oak Park, Ill., assignor to Hotpoint Inc. Electric range backsplasher. 161,055, Nov. 28.

Sandler, David, Cleveland Heights, Ohio. Housing for combination space heater and loudspeaker. 158,220, Apr. 18.

Sandler, Jacob, Boston, Mass. Shoe. 158,330, Apr. 25.

Sandler, Jacob, Boston, Mass. Shoe or the like. 161,130, Dec. 5.

Sandler, Jacob, Norfolk, Mass. Shoe. 158,331, Apr. 25.

Sandstrom, Oscar R. : *See*—
Enstrom, Rudolph J., and Sandstrom.

Sandwich R. V. Pump Co., assignee: *See*—
Parks, Arthur S., and Chandler.
Sanger, Richard I., New York, N. Y. Combined napkin holder, napkins, and container therefor. 159,005, June 13.
San Giovanni, Edward: *See*—
Sohn, Ernest, and San Giovanni.
San Giovanni, Edward, Ridgefield, Conn. Ashtray or similar article. 157,438, Feb. 21.
San Giovanni, Edward, Ridgefield, Conn. Combined scoop and dispenser. 159,101, June 20.
Sanitary Scale Company, assignee: *See*—
Karp, Edward C.
Santa Anita Potteries, assignee: *See*—
Tucker, Lloyd I.
Santini, Bruno, Lausanne, Switzerland. Wrist watch. 158,694, May 23.
Saparow, Samuel, Los Angeles, Calif. Lady's coat with detachable hood. 160,973, Nov. 21.
Sargent & Company, assignee: *See*—
Olson, Kenneth W.
Swanson, Arthur P.
Sargent-Gerke Co., The, assignee: *See*—
Keuthan, Fred B. and F. W.
Sargent, William, London, England. Machine for cutting paper or the like. 161,056, Nov. 28.
Sartorius, A., & Co., Inc., assignee: *See*—
Neuschaefer, Helen.
Sasse, Elmer C., Cleveland, Ohio. Spoon holder. 160,745, Oct. 31.
Sasser, Travis M., Terrace Park, assignor to Shipping Room Suppliers, Inc., Cincinnati, Ohio. Package stapling machine. 158,221, Apr. 18.
Saum, George E. F., Chicago, Ill. Medal. 159,866, Aug. 22.
Saunders, Jack A., Woodside, N. Y. Adjustable garment hanger. 157,089, Jan. 31.
Saut, Jules F., Detroit, Mich., assignor to Reynolds Metals Company, Richmond, Va. Sun visor. 159,867, Aug. 22.
Sauvage, Nestor: *See*—
Desguin, Henri, and Sauvage.
Savran, Irving, assignor to Amerpro Machine Products, Inc., Brooklyn, N. Y. Clothes hanger. 159,538, Aug. 1.
Sawchuk, Michael C., Toronto, Ontario, Canada. Floor polisher. 158,804, May 30.
Sayers, Frederick, Fort Atkinson, and C. B. Stevens, Milwaukee, assignors to Moe Brothers Manufacturing Company, Fort Atkinson, Wis. Pressure cooker. 157,002, Jan. 24.
Scalera, Louis, Newark, N. J. Leather table top or similar article. 161,212, Dec. 12.
Scalera, Louis, Newark, N. J. Leather table top or similar article. 161,213, Dec. 12.
Scarale, Frank M., Leominster, Mass. Combined table and lamp. 157,439, Feb. 21.
Scarne, John, Fairview, N. J. Game board. 159,006, June 13.
Schaaf, Elsie R., San Diego, Calif. Santa Claus doll. 159,168, June 27.
Schaeffer, Jacob H., assignor to Shiman Bros. & Co., Inc., New York, N. Y. Wedding ring. 157,634, Mar. 7.
Schaper, Leonard W., West Orange, N. J. Spinner toy. 156,773, Jan. 3.
Scharfenberg, George T.: *See*—
Polivka, John N., Scharfenberg, and Butterfield.
Schear, Ralph D., and J. G. Berg, Dayton, Ohio. Wall lamp. 160,809, Nov. 7.
Scheier, Arnold W.: *See*—
Hudson, William J., and Scheier.
Scheiwiller, Karl, Rosenberg, St. Gallen, assignor to Brutsch & Co., St. Gallen, Switzerland. Sewing machine. 160,810, Nov. 7.
Scheiwiller, Karl, Rosenberg, St. Gallen, assignor to Brutsch & Co., St. Gallen, Switzerland. Sewing machine. 160,811, Nov. 7.
Scheiwiller, Karl, Rosenberg, St. Gallen, assignor to Brutsch & Co., St. Gallen, Switzerland. Mending machine. 160,812, Nov. 7.
Schell, Burt E.: *See*—
Nelson, Harris E., Lustig, and Schell.
Schell, Burt E., Jr., Evanston, assignor to Shure Brothers, Incorporated, Chicago, Ill. Microphone. 156,774, Jan. 3.
Schell, Maxine H.: *See*—
Pyle, Lula J., and Schell.
Schenley Industries, Inc., assignee: *See*—
Donnelly, Joseph B.
Du Pree, Ernest L., Jr.
Miller, Samuel, and Emelin.
Wolf, Stanford J.
Scherr, Samuel, and F. E. Smith, Akron, Ohio, assignors to S. F. Appliances, Limited. Chimney for kerosene lamps. 158,512, May 9.
Scherr, Samuel, and F. E. Smith, Akron, Ohio, assignors to S. F. Appliances, Limited. Fount for kerosene oil lamps. 160,813, Nov. 7.
Scherzer, Rolf P., Hatboro, Pa. Woman's stocking or similar article. 160,343, Oct. 3.
Schiavon, Louis T., and B. A. Bauer, Watsonville, Calif. Barrel bottle. 159,228, July 4.
Schick Incorporated, assignee: *See*—
Otto, Carl L.
Schier, Wallace, Forest Hills, and D. L. Doggett, Mount Kisco, N. Y. Combination radio-phonograph table cabinet. 159,539, Aug. 1.
Schindler, Cornelius M., Hagerstown, Md., assignor to Fairchild Engine & Airplane Corporation. Airplane control wheel. 157,440, Feb. 21.
Schindler, Henry P., New Orleans, La. License plate emblem. 160,022, Sept. 5.
Schippert, Florence J., Philadelpiha, Pa. Toy kitten. 156,849, Jan. 10.
Schladermundt, Peter: *See*—
Green, Warren, and Schladermundt.
Schladermundt, Peter, Bronxville, assignor to National Casket Company, Incorporated, Oneida, N. Y. Burial casket. 161,380, Dec. 26.
Schladermundt, Peter, Bronxville, assignor to National Casket Company, Incorporated, Oneida, N. Y. Burial casket. 161,381, Dec. 26.
Schladermundt, Peter, Bronxville, assignor to National Casket Company, Incorporated, Oneida, N. Y. Burial casket. 161,382, Dec. 26.
Schladermundt, Peter, Bronxville, assignor to National Casket Company, Incorporated, Oneida, N. Y. Burial casket. 161,383, Dec. 26.
Schladermundt, Peter, Bronxville, assignor to National Casket Company, Incorporated, Oneida, N. Y. Burial casket. 161,384, Dec. 26.
Schladermundt, Peter, Bronxville, assignor to National Casket Company, Incorporated, Oneida, N. Y. Burial casket. 161,385, Dec. 26.
Schladermundt, Peter, Bronxville, assignor to National Casket Company, Incorporated, Oneida, N. Y. Handle for a burial casket. 161,386, Dec. 26.
Schladermundt, Peter, Bronxville, assignor to National Casket Company, Incorporated, Oneida, N. Y. Handle for a burial casket. 161,387, Dec. 26.
Schladermundt, Peter, Bronxville, assignor to National Casket Company, Incorporated, Oneida, N. Y. Handle for a burial casket. 161,388, Dec. 26.
Schladermundt, Peter, Bronxville, N. Y., and C. L. Metzler, Palisades, N. J., assignors to Avco Manufacturing Corporation, Cincinnati, Ohio. Cabinet for a television receiver. 158,618, May 16.
Schladermundt, Peter, Bronxville, N. Y., and C. L. Metzler, Palisades, N. J., assignors to Avco Manufacturing Corporation, Cincinnati, Ohio. Portable radio receiver. 161,379, Dec. 26.
Schleich, Friedrich, Schwabisch, Gmund, Germany. Puppet doll. 159,668, Aug. 8.
Schleimer, Floyd V.: *See*—
Davis, William H. H., and Schleimer.
Schlenker, Max E., Peru, Ill., assignor to General Time Corporation, New York, N. Y. Clock. 158,015, Apr. 4.
Schlenker, Max E., Peru, Ill., assignor to General Time Corporation, New York, N. Y. Timing instrument. 158,016, Apr. 4.
Schlenker, Max E., Peru, Ill., assignor to General Time Corporation, New York, N. Y. Clock. 158,017, Apr. 4.
Schlenker, Max E., Peru, Ill., assignor to General Time Corporation, New York, N. Y. Clock. 159,931, Aug. 29.
Schlenker, Max E., Peru, Ill., assignor to General Time Corporation, New York, N. Y. Wall clock. 160,434, Oct. 10.
Schlessinger, Ludwig S., New York, N. Y. Bag. 158,513, May 9.
Schlessinger, Ludwig S., New York, N. Y. Handbag. 159,299, July 11.
Schletter, Richard E., Oak Lane, assignor to Signature Hosiery Company, North Wales, Pa. Stocking. 157,003, Jan. 24.
Schletter, Richard E., Oak Lane, assignor to Signature Hosiery Company, North Wales, Pa. Stocking. 157,004, Jan. 24.
Schletter, Richard E., Oak Lane, assignor to Signature Hosiery Company, North Wales, Pa. Stocking. 157,005, Jan. 24.
Schlienger, Oscar, Toronto, Ontario, Canada. Rocking toy. 157,636, Mar. 7.
Schloss, Jacques M., Greensboro, assignor to Scotland Mills, Incorporated, Laurinburg, N. C. Bedspread. 159,229, July 4.
Schlossberg, David M., New York, N. Y. Decorative reflector for Christmas tree lights or similar article. 160,215, Sept. 19.
Schlossberg, David M., New York, N. Y. Decorative reflector for Christmas tree lights or similar article. 160,216, Sept. 19.
Schlossberg, Irving, Brooklyn, assignor to Consolidated Sequins Corp., New York, N. Y. Sequin bow. 159,395, July 18.
Schlossberg, Seymour C., Chicago, Ill. Chess piece. 158,514, May 9.
Schlossberg, Seymour C., Chicago, Ill. Chess piece. 158,515, May 9.
Schlossberg, Seymour C., Chicago, Ill. Chess piece. 158,516, May 9.
Schlossberg, Seymour C., Chicago, Ill. Chess piece. 158,517, May 9.
Schlossberg, Seymour C., Chicago, Ill. Chess piece. 158,518, May 9.
Schmidt, John, Philadelphia, Pa., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Can. 158,332, Apr. 25.

Schmidt, Oscar, Burbank, assignor of one-third to J. Hughes and one-third to M. Goldstein, Los Angeles, Calif. Pipe. 158,222, Apr. 18.
Schmidt, Thur, Chicago, Ill. Antenna. 157,090, Jan. 31.
Schmucker, John, Venice, Calif. Percussion vibrator toy. 158,900, June 6.
Schneid, Ira: *See*—
Feldman, Abrom L., and Schneid.
Schneider, George C., assignee: *See*—
Hill, Joseph A.
Schneider, Harold, New Bedford, Mass. Handle for a brief case or similar article. 160,894, Nov. 14.
Schneider, Laura M., Los Angeles, Calif. Necklace. 160,664, Oct. 24.
Schneider, Laura M., Los Angeles, Calif. Pin. 160,665, Oct. 24.
Schneider, Laura M., Los Angeles, Calif. Earring. 160,666, Oct. 24.
Schnell, William J., Wilmette, assignor to Sentinel Radio Corporation, Evanston, Ill. Panel for television receiving sets. 157,635, Mar. 7.
Schoelles, Norman A., West Englewood, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Bottle. 157,091, Jan. 31.
Schoepe, Adolf, Anaheim, Calif. Lock display stand. 158,805, May 30.
Schoepe, Adolf, assignor to Kwikset Locks, Inc., Anaheim, Calif. Lock display stand. 159,540, Aug. 1.
Schoettle, Edwin J., Co., assignee: *See*—
Dischler, Emil.
Scholle, Roger, New York, N. Y. Portable phonograph. 161,389, Dec. 26.
Schoolfield, William C.: *See*—
Baker, Paul S., Shoemaker, Palley, and Schoolfield.
Schoonmaker, Raymond B.: *See*—
Becker, Stephen P., and Schoonmaker.
Schory, Kenneth P., Bensenville, Ill., assignor to The P. A. Geier Company, Cleveland, Ohio. Suction cleaner. 158,134, Apr. 11.
Schott, Walter L., Co., assignee: *See*—
Craig, Burnie M.
Schraig, James V., Central Valley, N. Y. Signal light telltale panel cabinet. 159,007, June 13.
Schraysshuen, Carl, Providence, R. I., assignor to Carl-Art, Inc. Pendant or the like. 160,974, Nov. 21.
Schroeder, Frank J., Rochester, N. Y. Smoker's desk set. 157,441, Feb. 21.
Schulz, Max, Oakland, assignor to F. E. Anderson, Burlingame, Calif. Combination glass, cigarette, and ash receiver. 159,396, July 18.
Schumann, Joseph M., assignor to Semco Research, Inc., Inglewood, Calif. Certificate holder. 160,746, Oct. 31.
Schumann, Lawrence R., assignor to Star Brush Manufacturing Co., Inc., Boston, Mass. Display rack for brushes. 160,278, Sept. 26.
Schubert, Alvin E., Rochester, and W. S. Nivison, New York, N. Y., assignors to Eastman Kodak Company. Photographic viewing apparatus. 156,919, Jan. 17.
Schubert, Edwin L., Philadelphia, Pa. Stocking. 157,006, Jan. 24.
Schubert, Edwin L., Philadelphia, Pa. Stocking. 157,007, Jan. 24.
Schubert, John J., and C. E. Ahrendt, Evanston, Ill. Combined manicuring tray and hand rest. 158,223, Apr. 18.
Schuhmann, Richard L., assignor to American Duplex Company, Louisville, Ky. Coffee grinder. 158,901, June 6.
Schulmberger, Jean, New York, N. Y. Compact or the like. 157,909, Mar. 28.
Schultz, Ervin F., Fond du Lac, Wis. Animated trundle toy. 156,775, Jan. 3.
Schultz, Ervin F., Fond du Lac, Wis. Animated toy. 156,776, Jan. 3.
Schulz, James, Greenwich, Conn. Link chain for a bracelet or similar article. 157,293, Feb. 14.
Schur, Nicholas P., Cleveland Heights, Ohio. Bird house. 157,910, Mar. 28.
Schuster, Charles, Philadelphia, Pa. Strapless slip. 157,008, Jan. 24.
Schutz, Joseph J., New Haven, Conn., assignor to Parva Products Company, Chicago, Ill. Buckle frame. 157,794, Mar. 21.
Schuyler, Irving M., New York, N. Y. Slip or similar article. 159,932, Aug. 29.
Schwab, Minnie M., Birmingham, Ala., assignor to Phillips-Lester Manufacturing Company, Inc. Lady's dungarees. 161,057, Nov. 28.
Schwartz, Emmett A., and M. E. Anderson, Compton, Calif. Combined time-controlled radio and night light. 159,102, June 20.
Schwartz, Martin W., and M. J. Marks, Chicago, Ill. Electric lighting fixture shield. 159,300, July 11.
Schwartz, Shepard B., and R. D. Blum, Jr., assignors to May Hosiery Mills, Nashville, Tenn. Sock or similar article. 158,224, Apr. 18.
Schwartz, Shepard B., and R. D. Blum, Jr., assignors to May Hosiery Mills, Nashville, Tenn. Sock or similar article. 159,541, Aug. 1.
Schwartz, Shepard B., and R. D. Blum, Jr., assignors to May Hosiery Mills, Nashville, Tenn. Sock or similar article. 159,542, Aug. 1.
Schwartz, Shepard B., and R. D. Blum, Jr., assignors to May Hosiery Mills, Nashville, Tenn. Sock or similar article. 159,543, Aug. 1.
Schwartz, Shepard B., and R. D. Blum, Jr., assignors to May Hosiery Mills, Nashville, Tenn. Sock or similar article. 159,544, Aug. 1.
Schwartz, Shepard B., and R. D. Blum, Jr., assignors to May Hosiery Mills, Nashville, Tenn. Sock or similar article. 159,545, Aug. 1.
Schwartz, Shepard B., and R. D. Blum, Jr., assignors to May Hosiery Mills, Nashville, Tenn. Sock or similar article. 159,546, Aug. 1.
Schwartz, Shepard B., and R. D. Blum, Jr., assignors to May Hosiery Mills, Nashville, Tenn. Sock or similar article. 159,547, Aug. 1.
Schwartz, Shepard B., and R. D. Blum, Jr., assignors to May Hosiery Mills, Nashville, Tenn. Sock or similar article. 159,548, Aug. 1.
Schwartz, Shepard B., and R. D. Blum, Jr., assignors to May Hosiery Mills, Nashville, Tenn. Sock or similar article. 159,549, Aug. 1.
Schwartz, Shepard B., and R. D. Blum, Jr., assignors to May Hosiery Mills, Nashville, Tenn. Sock or similar article. 159,550, Aug. 1.
Schwartz, Shepard B., and R. D. Blum, Jr., assignors to May Hosiery Mills, Nashville, Tenn. Sock or similar article. 159,669, Aug. 8.
Schwartz, Shepard B., and R. D. Blum, Jr., assignors to May Hosiery Mills, Nashville, Tenn. Sock or similar article. 159,670, Aug. 8.
Schwartz, Shepard B., and R. D. Blum, Jr., assignors to May Hosiery Mills, Nashville, Tenn. Sock or similar article. 159,671, Aug. 8.
Schwartz, Shepard B., and R. D. Blum, Jr., assignors to May Hosiery Mills, Nashville, Tenn. Sock or similar article. 159,672, Aug. 8.
Schwartz, Shepard B., and R. D. Blum, Jr., assignors to May Hosiery Mills, Nashville, Tenn. Sock or similar article. 159,673, Aug. 8.
Schwartz, Shepard B., and R. D. Blum, Jr., assignors to May Hosiery Mills, Nashville, Tenn. Sock or similar article. 159,674, Aug. 8.
Schwartz, Shepard B., and R. D. Blum, Jr., assignors to May Hosiery Mills, Nashville, Tenn. Sock or similar article. 159,675, Aug. 8.
Schwartz, Shepard B., and R. D. Blum, Jr., assignors to May Hosiery Mills, Nashville, Tenn. Sock or similar article. 159,676, Aug. 8.
Schwartz, Shepard B., and R. D. Blum, Jr., assignors to May Hosiery Mills, Nashville, Tenn. Sock or similar article. 159,677, Aug. 8.
Schwartz, Shepard B., and R. D. Blum, Jr., assignors to May Hosiery Mills, Nashville, Tenn. Sock or similar article. 159,678, Aug. 8.
Schwartz, Shepard B., and R. D. Blum, Jr., assignors to May Hosiery Mills, Nashville, Tenn. Sock or similar article. 159,679, Aug. 8.
Schwartz, Shepard B., and R. D. Blum, Jr., assignors to May Hosiery Mills, Nashville, Tenn. Sock or similar article. 159,680, Aug. 8.
Schwartz, Shepard B., and R. D. Blum, Jr., assignors to May Hosiery Mills, Nashville, Tenn. Sock or similar article. 159,681, Aug. 8.
Schwartz, Shepard B., and R. D. Blum, Jr., assignors to May Hosiery Mills, Nashville, Tenn. Sock or similar article. 159,682, Aug. 8.
Schwartz, Shepard B., and R. D. Blum, Jr., assignors to May Hosiery Mills, Nashville, Tenn. Sock or similar article. 159,683, Aug. 8.
Schwartz, Shepard B., and R. D. Blum, Jr., assignors to May Hosiery Mills, Nashville, Tenn. Sock or similar article. 159,684, Aug. 8.
Schwartz, Sydney A., Hollywood, and J. E. Bass, Los Angeles, Calif. Garment hanger. 157,911, Mar. 28.
Schwartzman, Bernard, Chevy Chase, Md., and W. C. Gatewood, Alexandria, Va. Truck body. 157,442, Feb. 21.
Schwarz, Eugene, Alexandria, Ind., assignor to Aladdin Industries, Incorporated, Chicago, Ill. Vacuum insulated pitcher or similar article. 157,795, Mar. 21.
Schwarz, Lewis E., Jr., New Orleans, La., assignor to Maison Blanche Company. Stuffed, winged doll. 158,806, May 30.
Schwinn, Frank W., Chicago, Ill. Directed beam light unit. 157,912, Mar. 28.
Scism, John N., Chester, Pa. War memorial picture frame. 158,519, May 9.
Scotland Mills, Incorporated, assignee: *See*—
Schloss, Jacques M.
Scott, David E., Detroit, Mich. Automobile hood ornament. 160,546, Oct. 17.
Scott, David E., Detroit, Mich. Automobile stone shield. 160,547, Oct. 17.
Scott, David E., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Lens housing for automobile lamps. 160,814, Nov. 7.
Scott, David E., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Fender ornament for an automobile. 160,815, Nov. 7.
Scott, Elizabeth M., Los Angeles, Calif. Spade fork or similar article. 161,131, Dec. 5.
Scott, George Q., Shawnee, Okla. Condiment dispenser. 159,758, Aug. 15.
Scott Paper Company, assignee: *See*—
Perelman, Albert A.

Scott, Wilmot H., Clayton, assignor to Vitro Products Company, St. Louis, Mo. Stool. 160,129, Sept. 12.
Scoville, Charles B., Jr., Carmel, Calif. Shoe. 158,520, May 9.
Sears, Cleo V., Ashtabula, Ohio, assignor to Will & Baumer Candle Co., Inc., Syracuse, N. Y. Madonna candle holder. 156,777, Jan. 3.
Sears, Roebuck and Co., assignee: *See*—
Couzens, Joseph J.
Duncan, Alan W.
Kidd, Wesley E.
Raben, John G.
Se Bastian, Ford, assignor to Chicago Electric Manufacturing Company, Chicago, Ill. Fan. 160,023, Sept. 5.
Se Bastian, Ford, assignor to Chicago Electric Manufacturing Company, Chicago, Ill. Air circulator. 161,058, Nov. 28.
Se Bastian, Ford, assignor to Chicago Electric Manufacturing Company, Chicago, Ill. Ice cream freezer. 161,214, Dec. 12.
Se Bastian, Ford, assignor to Chicago Electric Manufacturing Company, Chicago, Ill. Air circulator. 161,215, Dec. 12.
Sebel, Harry, London, England. Wheeled toy figure or the like. 160,217, Sept. 19.
Sebel, Harry, London, England. Wheeled toy figure or the like. 160,218. Sept. 19.
Sebel, Harry, London, England. Wheeled toy figure or the like. 160,219, Sept. 19.
Sebel, Harry, London, England. Chair. 160,816, Nov. 7.
Sebel, Harry, London, England. Wheeled toy tortoise. 160,895, Nov. 14.
Sebok, Frank: *See*—
Sebok, Joseph B. and F.
Sebok, Joseph B. and F., assignors to Houdaille-Hershey Corporation, Detroit, Mich. Combination air cleaner and intake silencer unit. 157,443, Feb. 21.
Seeger Refrigerator Company, assignee: *See*—
Sundberg, Carl W., and Ferar.
Seeley, Eugene, assignor to Fall River Curtain Co., Inc., New York, N. Y. Textile fabric or similar flat surface material. 160,435, Oct. 10.
Seeman, James, Forest Hills, N. Y. Wallpaper or the like. 160,975, Nov. 21.
Seeman, James, Forest Hills, N. Y. Wallpaper or the like. 161,132, Dec. 5.
Seeman, James, Forest Hills, N. Y. Wallpaper or the like. 161,133, Dec. 5.
Seeman, James, Forest Hills, N. Y. Wallpaper or the like. 161,134, Dec. 5.
Seeman, James, Forest Hills, N. Y. Wallpaper of the like. 161,135, Dec. 5.
Seeman, James, Forest Hills, N. Y. Wallpaper or the like. 161,136, Dec. 5.
Seeman, James, Forest Hills, N. Y. Wallpaper or the like. 161,137, Dec. 5.
Seeman, James, Forest Hills, N. Y. Wallpaper or the like. 161,216, Dec. 12
Seeman, James, Forest Hills, N. Y. Wallpaper or the like. 161,390, Dec. 26.
Seeman, James, Forest Hills, N. Y. Wallpaper or the like. 161,391, Dec. 26.
Seeman, James, Forest Hills, N. Y. Wallpaper or the like. 161,392, Dec. 26.
Seeman, James, Forest Hills, N. Y. Wallpaper or the like. 161,393, Dec. 26.
Séguin, Joseph O., Montreal, Quebec, Canada. Game board. 158,807, May 30.
Seibert, Ernest H., assignor to Autopoint Company, Chicago, Ill. China marking pencil. 160,436. Oct. 10.
Seiferth, Marsden M., Philadelphia, Pa. Game board. 159,933, Aug. 29.
Seil, Lewis W., and C. E. Jones, assignors to Corey Corporation, Chicago, Ill. Portable electric heater. 159,008, June 13.
Selman, James B.: *See*—
Smith, Sidney H.
Selznick, Phillip, assignor to L. P. Goldstein, Los Angeles, Calif. Blouse or the like. 160,437, Oct. 10.
Semco Research, Inc., assignee: *See*—
Schumann, Joseph M.
Semensohn, Raymonde, Brooklyn, N. Y. Pin or similar article. 159,685, Aug. 8.
Semensohn, Raymonde, assignor to Marcel Boucher et Cie., New York, N. Y. Earring or similar article. 161,286, Dec. 19.
Semensohn, Raymonde, assignor to Marcel Boucher et Cie., New York, N. Y. Clip or similar article. 161,287, Dec. 19.
Semensohn, Raymonde, assignor to Marcel Boucher et Cie., New York, N. Y. Earring or similar article. 161,288, Dec. 19.
Semensohn, Raymonde, assignor to Marcel Boucher et Cie., New York, N. Y. Earring or similar article. 161,289, Dec. 19.
Semple, George E., assignee: *See*—
Boughey, Jeremiah J.
Senechal, Wallace R., North Tonawanda, assignor to Remington Rand Inc., New York, N. Y. Document photographing machine. 157,913, Mar. 28.
Sengstack, Viola M., Washington, D. C. Combination glass retainer and spoon holder. 160,667, Oct. 24.
Sentinel Radio Corporation, assignee: *See*—
Schnell, William J.
Servus Rubber Company, The, assignee: *See*—
Steinhilber, Adolf.
Steinhilber, Adolf A.
Stromberg, George F., Jr.
Sewell Products Inc., assignee: *See*—
Sewell, William B.
Sewell, William B., Los Angeles, Calif., assignor to Sewell Products Inc. Rocket tank toy. 159,934, Aug. 29.
Shadduck, Laurine R., Chicago, Ill. Vegetable cutter. 158,619, May 16.
Shaeffer, Norbert: *See*—
Davis, Edward D., and Shaeffer.
Shafer, Arthur C., Cincinnati, Ohio. Combination fishing rod and reel. 157,796, Mar. 21.
Shaheen, John M., assignor to Tele-Trip Policy Company, Inc., New York, N. Y. Insurance policy vending machine. 159,551, Aug. 1.
Shakespeare Company, assignee: *See*—
Shakespeare, Henry G., and Harrington.
Shakespeare, Henry G., and G. D. Harrington, assignors to Shakespeare Company, Kalamazoo, Mich. Fishing reel. 160,817, Nov. 7.
Shane, David T.: *See*—
Shevin, Jack R., and Shane.
Shannon, Burton L.: *See*—
Adams, Arthur R., and Shannon.
Shannon, Sally C., New York, N. Y. Skirt or similar article. 160,438, Oct. 10.
Shapiro, Benjamin J., assignee: *See*—
Gilbert, Felix.
Shapiro, Joseph, assignor to Universal Match Corporation, St. Louis, Mo. Match display stand. 160,344, Oct. 3.
Shapiro, Joseph, assignor to Universal Match Corporation, St. Louis, Mo. Match book display stand. 161,138, Dec. 5.
Shapiro, Joseph, assignor to Universal Match Corporation, St. Louis, Mo. Match book display stand. 161,139, Dec. 5.
Shapiro, Joseph, assignor to Universal Match Corporation, St. Joseph, Mo. Match book display stand. 161,290, Dec. 19.
Shapiro, Max, Brighton, Mass. Shirt. 158,902, June 6.
Shapiro, Morris, Los Angeles, Calif. Ash tray. 157,208, Feb. 7.
Share, Leon M., Los Angeles, Calif. Sachet or similar article. 158,620, May 16.
Sharp, Bettie P., Dallas, Tex. Bedstead or similar article. 159,009, June 13.
Shattuck, Robert E., Youngstown, Ohio. Mistletoe mounting. 158,621, May 16.
Shaw, Annabelle, Tulsa, Okla. Combination foot scraper and shoe cleaner. 157,706, Mar. 14.
Shaw, Evan K.: *See*—
Allen, Robert Y., and M. and E. K. Shaw.
Shaw, Evan K., Los Angeles, M. Shaw, Beverly Hills, and R. Y. Allen, Encino, assignors to Metlox Manufacturing Company, Manhattan Beach, Calif. Plate or similar article. 161,291, Dec. 19.
Shaw, Melvin: *See*—
Allen, Robert Y., and Shaw.
Allen, Robert Y., and M. and E. K. Shaw.
Shaw, Evan K. and M., and Allen.
Shaw-Insulator Company, assignee: *See*—
Robb, Wayne F.
Shaw, Rinda, Chicago, Ill. Dough cutter. 158,333, Apr. 25.
Shaw, Rinda, Chicago, Ill. Dough cutter. 158,334, Apr. 25.
Shawnee Pottery Company, assignee: *See*—
Parentice, Jess L.
Shawver, H. D., Company, Inc., The, assignee: *See*—
Shawver, Herschel D.
Shawver, Herschel D., assignor to The H. D. Shawver Company, Inc., Wichita, Kans. Insulated metallic container. 157,637, Mar. 7.
Shea, James F., Forest Hills, N. Y. Display box for a perfume bottle or similar article. 157,638, Mar. 7.
Shea, William S., New Rochelle, N. Y., assignor to Rex Products Corporation. Combined compact, change purse and lipstick holder. 157,639. Mar. 7.
Shea, William S., New Rochelle, N. Y., assignor to Rex Products Corporation. Compact and lipstick case receptacle. 157,640, Mar. 7.
Shead, Herbert C., Birmingham, England. Casing for door closer. 160,747, Oct. 31.
Sheard, Edward O., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Automobile bumper. 159,230, July 4.
Sheard, Edward O., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Automobile trim molding. 160,548, Oct. 17.
Sheard, Edward O., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Automobile radiator grille bar. 160,549, Oct. 17.
Sheard, Edward O., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Automobile stone shield. 160,550, Oct. 17.
Sheard, Edward O., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Automobile stone shield. 160,551, Oct. 17.
Sheard, Edward O., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Combined trim bar and name plate holder for an automobile. 160,552, Oct. 17.

Sheard, Edward O., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Combined trim bar and name plate holder. 160,553, Oct. 17.
Sheboygan Chair Company, Inc., assignee: *See*— McNeill, Harry T.
Shelly, Inc., assignee: *See*— Simons, Robert.
Shelsey, Andrew P., Flushing, N. Y. Shoe dauber. 157,707, Mar. 14.
Shelton, Irving, and E. L. Whitlock, New York, N. Y. Nursery timer or similar article. 158,225, Apr. 18.
Shelton, Thomas M., Glendale, Calif. Toy gun. 159,552, Aug. 1.
Shepard, Ernest L., Fairfield, assignor, by mesne assignments, to The Canal National Bank of Portland, and W. B. Nulty, Portland, Maine, as trustees. Pack for fragile articles. 157,540, Feb. 28.
Shepard, Ernest L., Fairfield, assignor, by mesne assignments, to The Canal National Bank of Portland and W. B. Nulty, Portland, Maine, as trustees. Foldable pack for fragile articles. 159,868, Aug. 22.
Shepard, Ernest L., Fairfield, assignor, by mesne assignments, to The Canal National Bank of Portland and W. B. Nutly, Portland, Maine, as trustees. Foldable pack for fragile articles. 159,869, Aug. 22.
Sheridan, Eunice J., Algona, Iowa. Garment bag. 158,135, Apr. 11.
Sherman, Chester E., Dallas, Tex. Automobile floor mat or similar article. 160,554, Oct. 17.
Sherman, Marvin, assignor to Young's Rubber Corporation, New York, N. Y. Sample packaging box or similar article. 158,413, May 2.
Sherman, Park, Company, assignee: *See*— Klingberg, Arthur F.
Sherman, Ralph A., Jr.: *See*— Fox, Florian J., Williams, and Sherman, Jr.
Sherrer, John M., Wauconda, assignor to Clements Mfg. Co., Chicago, Ill. Vacuum cleaner. 157,708, Mar. 14.
Sherwin, Ralph J., Toledo, Ohio. Combined golf swing and line indicator. 158,622, May 16.
Sherwin Williams Company, The, assignee: *See*— Ward, Raymond R., and Waters.
Sherwood, Robert D., Whitefish Bay, Wis. Bow tie. 157,444, Feb. 21.
Shevin, Jack R., and D. T. Shane, Chicago, Ill. Key retainer. 161,059, Nov. 28.
Shield, Lansing P., Ridgewood, N. J., assignor to The Grand Union Company, New York, N. Y. Support and end member for shelves. 157,092, Jan. 31.
Shields, George S.: *See*— Hull, Gerald P., and Shields.
Shiman Bros. & Co., Inc., assignee: *See*— Schaeffer, Jacob H.
Shipman, Sidney P., Rockville Centre, N. Y. Card holding device. 157,914, Mar. 28.
Shipping Room Suppliers, Inc., assignee: *See*— Sasser, Travis M.
Shirley, Granville H.: *See*— Jones, Lawrence C., and Shirley.
Shirley, Granville H., assignor to The Van Dorn Iron Works Company, Cleveland, Ohio. Measuring spoon. 156,850, Jan. 10.
Shnitzler, Meyer J., Brookline, assignor to Gillette Safety Razor Company, Boston, Mass. Safety razor case. 159,870, Aug. 22.
Shoemaker, James M.: *See*— Baker, Paul S., Shoemaker, Palley, and Schoolfield.
Shoffner, Willie M., Dayton, Ohio. Double cutting shears. 159,231, July 4.
Shores, Earl F., Los Angeles, Calif. Hobbyhorse. 160,345, Oct. 3.
Shrewsbury, Jean R., New York, N. Y. Pair of sun glasses or similar article. 161,140, Dec. 5.
Shroff, Lloyd B., Clay Township, St. Joseph County, Ind. Fishing lure. 160,976, Nov. 21.
Shulman, Matthew H., assignor to Blossom Manufacturing Co., New York, N. Y. Fabric. 156,920, Jan. 17.
Shulman, Louis, New York, N. Y. Brassière. 159,686, Aug. 8.
Shuman, George R.: *See*— Edlund, Henry K., Monjar, Shuman, and De Tamble.
Shure Brothers, Incorporated, assignee: *See*— Schell, Burt E., Jr.
Shuron Optical Company, Inc., assignee: *See*— Fowler, William D.
Sickinger, Gertrude H., executrix: *See*— Sickinger, William H.
Sickinger, William H., deceased, Kalamazoo, Mich.; G. H. Sickinger, executrix, assignor to Admiral Corporation, Chicago, Ill. Stove control panel. 159,553, Aug. 1.
Siedenburg, Fred M., Richmond Hill, N. Y. Hydraulic jack. 158,695, May 23.
Siegel, Fred, New York, N. Y. Combined scraping and cleaning implement or similar article. 157,209, Feb. 7.
Sievert, Charles W., Los Angeles, Calif. Combination ash tray and flower holder. 158,696, May 23.
Signature Hosiery Company, assignee: *See*— Schletter, Richard E.
Silberman, Louis, New York, N. Y. Shadowbox mirror. 160,024, Sept. 5.
Silberman, Morris, assignor to Moses Streesover, New York, N. Y. Appliqué or the like. 157,210, Feb. 7.
Silcox, Ruth D., Alexandria, Va. Combination mixing and pouring pitcher. 160,346, Oct. 3.
Silson, Jack, New York, N. Y. Display card or the like. 157,009, Jan. 24.
Silson, Victor, New York, N. Y. Combined holder for an umbrella and gloves or the like. 159,232, July 4.
Silson, Victor, New York, N. Y. Combined perfume container and glove holder. 160,220, Sept. 19.
Silver, David J., New York, N. Y. Slipper or similar article. 158,335, Apr. 25.
Silver, Isaac H., Dallas, Tex. Combined adjustable ash tray and cigarette holder. 161,292, Dec. 19.
Silverman, Irving, assignor to Rogers Imports Inc., New York, N. Y. Cigarette box. 159,687, Aug. 8.
Silverman, Isador, Cleveland Heights, Ohio. Table. 161,127, Dec. 12.
Silverman, Morris E., Brooklyn, and M. Moss, Great Neck, assignors to Atlas Time Corp., New York, N. Y. Timer clock. 160,025, Sept. 5.
Silvers, William H., Pittsburgh, Pa. Combination bed lamp and radio receiver. 158,808, May 30.
Simmons Slicing Knife Company, assignee: *See*— Gustafson, Harry M.
Simoes, José, Jr., Sao Paulo, Brazil. Set of playing cards. 161,293, Dec. 19.
Simon, Franklin, & Co., assignee: *See*— Clements, Henry. Goodman, Abraham.
Simon, Harolde M., assignor to Utica Radiator Corporation, Utica, N. Y. Ladder step. 158,136, Apr. 11.
Simon, Justin, Woodmere, and R. S. Temko, New York, N. Y. Cigarette lighter. 160,977, Nov. 21.
Simon, Lewis B., Flushing, N. Y. Combination telephone instrument and memorandum pad support. 159,935, Aug. 29.
Simon, Sidney, assignor to Pyramid Products Corporation, Philadelphia, Pa. Garment hanger. 159,554, Aug. 1.
Simoneau, Joseph W., Nashua, N. H. Stopper or similar article. 157,915, Mar. 28.
Simons, Robert, assignor to Shelly, Inc., Los Angeles, Calif. Recipe container or similar article. 156,851, Jan. 10.
Simplex Metal Products Co., assignee: *See*— Bornstein, Joseph.
Simplex Time Recorder Co., assignee: *See*— Hobby, Harold E.
Simpson, Jeanette D., and G. W. Black, New York, N. Y. Garter panty. 159,871, Aug. 22.
Simpson, Paul F., Washington, assignor to The Autoyre Company, Inc., Oakville, Conn. Bracket for bathroom fixtures. 158,137, Apr. 11.
Simpson, Paul F., Washington, assignor to The Autoyre Company, Inc., Oakville, Conn. Soap dish. 158,138, Apr. 11.
Simpson, Paul F., Washington, assignor to The Autoyre Company, Inc., Oakville, Conn. Combined toothbrush and tumbler holder. 158,139, Apr. 11.
Simpson, Paul F., Washington, assignor to The Autoyre Company, Inc., Oakville, Conn. Bracket for bathroom fixtures. 158,140, Apr. 11.
Simpson, Paul F., Washington, assignor to The Autoyre Company, Inc., Oakville, Conn. Toilet tissue holder. 158,141, Apr. 11.
Simpson, Paul F., Washington, assignor to The Autoyre Company, Inc., Oakville, Conn. Bracket for bathroom fixtures. 158,142, Apr. 11.
Sims, Edward J., San Francisco, Calif. Ship hull. 160,818, Nov. 7.
Sinclair, Charles W., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Wheel. 158,226, Apr. 18.
Sinclair, Charles W., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Wheel. 158,227, Apr. 18.
Sinderman, Renate G., Montreal, Quebec, Canada. Perfume atomizer. 158,336, Apr. 25.
Sindler, Alban, Scotland Neck, N. C. Soap dish. 160,279, Sept. 26.
Singer, Lawrence H., Brooklyn, and E. M. Corper, Garden City, assignors to Conti Products Corporation, Brooklyn, N. Y. Complexion cream jar. 160,819, Nov. 7.
Singer Manufacturing Company, The, assignee: *See*— Marsac, Leonard C., and Peets. Von der Lancken, Julian.
Sinko, John, Oak Park, Ill. Steering wheel knob base. 158,903, June 6.
Sinsley, Sydell, Miami, Fla. Panties. 160,221, Sept. 19.
Sirac, Inc., assignee: *See*— Miller, Rudy.
Sireno Company, Inc., The, assignee: *See*— McRea, John S.
Sivitz, Moses, assignor to Bromo-Mint Company, Cincinnati, Ohio. Musical toy. 159,283, July 11.
Skelley, Jack J., Butte, Mont. Motor vehicle or similar article. 161,060, Nov. 28.
Skelton, Elmer, Joplin, Mo. Portable barbecue. 159,759, Aug. 15.
Skidmore, William L., Pocatello, Idaho. Water closet. 160,222, Sept. 19.
Skold, John F., Chicago, Ill. Combination container and article holder. 159,872, Aug. 22.
Skolnik, Gerald: *See*— Danzig, Selig M., and Skolnik.
Skulnik, Murray S., Brooklyn, assignor to Oscar Trilsch Company, New York, N. Y. Box or similar article. 157,797, Mar. 21.

Slatkin, Alfred D., Birmingham, assignor to Moth-King Corporation, Detroit, Mich. Insecticide vaporizer or the like. 157,798, Mar. 21.
Slaughter, Elmer C., Piqua, Ohio. Electric motor operated centrifugal pump. 160,820, Nov. 7.
Slaughter, Lomis, Jr.: *See*—
Greenwood, Marvin H., and Slaughter, Jr.
Slaughter, Norman C., Rochelle, Ill. Newspaper receptacle. 158,521, May 9.
Slepski, Clara R., assignor to Fixler Bros., Chicago, Ill. Embroidered textile fabric or similar article. 157,093, Jan. 31.
Slepski, Clara R., assignor to Fixler Bros., Chicago, Ill. Embroidered textile fabric or similar article. 157,094, Jan. 31.
Slick, Polly N., assignor to Institute of Inventive Research, San Antonio, Tex. Baby bottle nipple punch. 160,280, Sept. 26.
Sloan, Alexander, Cumberland, Md. Drinking glass. 156,921, Jan. 17.
Sloan, Alexander, Cumberland, Md. Drinking glass. 157,445, Feb. 21.
Sloane, Lester, Brookline, Mass. Button or similar article. 158,018, Apr. 4.
Slocum, John L.: *See*—
Lewis, Burdette R., and Slocum.
Slopa, Robert E., Chicago, Ill. Hinge leaf. 157,294, Feb. 14.
Smalley, May L., Malden, Mass. Apron. 160,821, Nov. 7.
Smallman, Samuel J., New York, N. Y. Cover for a billfold. 158,019, Apr. 4.
Smetana, Otto F., Concord, N. C. Lady's stocking. 158,809, May 30.
Smetana, Otto F., Concord, N. C. Lady's stocking. 158,810, May 30.
Smetana, Otto F., Concord, N. C. Lady's stocking. 160,555, Oct. 17.
Smith, Cecil B.: *See*—
Campbell, Glynn, and Smith.
Smith, David C., Fairbanks, Alaska. Book end. 160,026, Sept. 5.
Smith, Earl F., assignor to Midwest Metal Products Company, Muncie, Ind. Carrier-rack for fruit jars or the like. 160,896, Nov. 14.
Smith, Edward J., Clifton, N. J. Trouble light. 158,904, June 6.
Smith, Elsie L., East Providence, R. I. Quilt or the like. 158,414, May 8.
Smith, Frasier, Wheeling, W. Va., assignor to American Molasses Company, New York, N. Y. Jar. 159,169, June 27.
Smith, French E.: *See*—
Scherr, Samuel, and Smith.
Smith, Howard A., Fairfield, assignor to La Resista Corset Co., Bridgeport, Conn. Textile fabric. 157,095, Jan. 31.
Smith, Howard A., Fairfield, assignor to La Resista Corset Co., Bridgeport, Conn. Textile fabric. 157,096, Jan. 31.
Smith, James De Walt, Towanda, Pa. Rotary one-person seesaw. 159,451, July 25.
Smith, James J., and C. L. Chew, Gloucester City, N. J. Combination table and chair. 158,522, May 9.
Smith, John, Kathwood, S. C. Boat. 160,027, Sept. 5.
Smith, John J., assignee: *See*—
Chance, Charles W.
Smith, Margot H., Manhasset, N. Y. Pillow. 160,223, Sept. 19.
Smith, Myron R., Minneapolis, and S. W. Nickells, St. Louis Park, assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electronic control panel. 159,555, Aug. 1.
Smith, Olivia G., Morristown, N. J. Sachet. 160,439, Oct. 10.
Smith, Richard S., Buffalo, N. Y. Embossed metal sheet. 157,709, Mar. 14.
Smith, Robert E., New Rochelle, and E. G. Kean, New York, N. Y.; said Kean assignor to said Smith. Toy animal figure. 160,748, Oct. 31.
Smith, Robert W., Copley, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Band track. 157,211, Feb. 7.
Smith, Robert W., Rockford, Ill. Combined base and condiment shaker unit. 160,556, Oct. 17.
Smith, Sidney H., and J. B. Selman, Oklahoma City, Okla. Table service unit. 157,446, Feb. 21.
Smith, Telford L., South San Francisco, Calif. Saddle clamp. 160,668, Oct. 24.
Smith, Telford L., South San Francisco, Calif. Saddle clamp. 160,669, Oct. 24.
Smith, Wendell H., and G. W. Conley, Mishawaka, Ind., assignors to United States Rubber Company, New York, N. Y. Game table top. 158,523, May 9.
Smith, William I., Perrysburg, assignor to The Hettrick Manufacturing Company, Toledo, Ohio. Chair. 157,447, Feb. 21.
Smith, William I., Perrysburg, assignor to The Hettrick Manufacturing Company, Toledo, Ohio. Juvenile vehicle. 159,103, June 20.
Smith, William I., Perrysburg, assignor to The Hettrick Manufacturing Company, Toledo, Ohio. Juvenile vehicle. 159,104, June 20.
Smith, William I., Perrysburg, assignor to The Hettrick Manufacturing Company, Toledo, Ohio. Juvenile vehicle. 159,105, June 20.
Smith, Winfield D., assignor to Continental Silver Co., Brooklyn, N. Y. Coffee percolator. 159,010, June 13.
Smithson, Wilmore K., Los Angeles, Calif. Trash receptacle. 158,905, June 6.
Smitzer, Louis A., Chicago, Ill. Drawing instrument. 157,710, Mar. 14.
Smyth, James P., Chicago, Ill. Attachment for telephone bases. 160,224, Sept. 19.
Snavely, Harold L., Oak Lawn, Ill. Toy stationary engine. 160,281, Sept. 26.
Sneal, John, Vancouver, British Columbia, Canada. Game board. 159,011, June 13.
Sneath Glass Company, assignee: *See*—
Crimmel, John R.
Sneed, Arnold V., Huntsville, Ala. Movable mirror rack. 161,141, Dec. 5.
Sneed, John, assignor to W. B. and E. A. Anderson, Detroit, Mich. Hood ornament or similar article for motor vehicles. 161,061, Nov. 28.
Snider, Joseph W., Kenmore, and S. G. Domster, Buffalo, N. Y.; said Domster assignor to said Snider. Rigid sheet metal awning. 157,295, Feb. 14.
Sniffen, John M., assignee: *See*—
Stadd, Donald M., and Sniffen.
Snyder, Amanda V., Portland, Oreg. Stuffed doll or similar article. 160,557, Oct. 17.
Snyder, Perry G., Youngstown, Ohio. Snag release for fishing tackle. 157,799, Mar. 21.
Societe a Responsabilite Limitee Parfums Christian Dior, assignee: *See*—
Heftler-Louiche, Serge.
Societe D'Applications Radio-Electriques A L'Aeronautique et La Marine S. A. R. A. M., assignee: *See*—
Merles, Antoine J.
Society Bernard-Moteurs, S. A., assignee: *See*—
Bernard, Jacques.
Socol, Edward E., Chicago, Ill. Combined bed, chair, and exerciser. 159,688, Aug. 8.
Soderberg, Yngve, Chicago, Ill. Railway car shaker or similar article. 158,811, May 30.
Soderquist, Victor E., Denver, Colo. Game board. 159,012, June 13.
Sof-Tee Corporation, assignee: *See*—
Oakmont, Glenn R.
Sohn, Ernest, New York, N. Y., and E. San Giovanni, Ridgefield, Conn., said San Giovanni assignor to Ridgefield Silversmiths, Inc., Ridgefield, Conn., and said Sohn assignor to Rubel & Company Decorative Accessories, Inc., New York, N. Y. Combined cigarette and lighter holder. 157,097, Jan. 31.
Sollenberger, Forrest I., Arlington, Va. Hole cutter for coin collection cards or similar article. 158,143, Apr. 11.
Sollenberger, Forrest I., Arlington, Va. Hole cutter for coin collection cards or similar article. 158,144, Apr. 11.
Solloway, Harry: *See*—
Bonkowski, Teofil L., and Solloway.
Solmonson, Louis I., Providence, R. I. Glove holding attachment for a handbag or similar article. 160,225, Sept. 19.
Solo Products Corporation, assignee: *See*—
Feyrer, William F.
Solomon, Nathan L., assignee: *See*—
Feyrer, William.
Solomon, Nathan L., Englewood, N. J. Combined toilet article tray and bobby pin opener. 158,812, May 30.
Solomon, Nathan L., Englewood, N. J. Combination bobby pin opener and container. 159,873, Aug. 22.
Solomon, Nathan L., Englewood, N. J. Frontpiece for a hair ornament. 160,347, Oct. 3.
Solomon, Nathan L., Englewood, N. J. Bobby pin holder. 160,440, Oct. 10.
Solotoy, Percy, Los Angeles, Calif. Panel. 157,010, Jan. 24.
Soltz, Max, New York, N. Y., assignor to Traver Corporation, Chicago, Ill. Hosiery envelope. 159,556, Aug. 1.
Somers, Richard M., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Transcribing machine. 159,233, July 4.
Sommer, Betty, Elmhurst, N. Y. Shopping bag or similar article. 157,800, Mar. 21.
Son-Chief Electrics, Incorporated, assignee: *See*—
Fitzgerald, Maurice F.
Steinhart, Alfons J.
Sonntag, John H., assignor to R. B. Sonntag, Dallas, Tex. Kitchen range ventilating canopy or similar article. 157,296, Feb. 14.
Sonntag, Robert, Dallas, Tex. Cooking stove canopy or similar article. 156,922, Jan. 17.
Sonntag, Robert B., assignee: *See*—
Sonntag, John H.
Sooy, Ephraim C., Kansas City, Mo. Firedog. 161,394, Dec. 26.
Sors, Ivan, and A. Abrahamson, New York, N. Y. Sun shield or similar article. 160,897, Nov. 14.
Soundscriber Corporation, The, assignee: *See*—
De Napoli, Anthony C., Jr., and Spilman.
Southern Air Conditioning Mfg. Co., assignee: *See*—
Wright, Cornelius B.
Soverns, Wayne A.: *See*—
Brown, William S., and Soverns.
Spagnoli, Paul, San Francisco, Calif. Mattress. 157,541, Feb. 28.

Spalding, A. G., & Bros. Inc., assignee: *See*—
Pierce, George L., and Thorkelson.
Sparks, Tomme B., Denver, Colo. Hair curler. 157,297, Feb. 14.
Spartan Company, The, assignee: *See*—
Polivka, John N.
Spaulding China Co., Inc., assignee: *See*—
Eisenberg, Daniel.
Spear, Walter A., assignor to Victor Electric Products, Inc., Cincinnati, Ohio. Window ventilator. 158,623, May 16.
Specialties Development Corporation, assignee: *See*—
Gordon, Leo.
Specialty Manufacturing Company, assignee: *See*—
Manbert, Rush.
Speck, Kurt, Palisades Park, assignor to Jacques Kreisler Manufacturing Corporation, North Bergen, N. J. Expansible watch band or similar article. 159,234, July 4.
Speck, Kurt, Palisades Park, assignor to Jacques Kreisler Manufacturing Corporation, North Bergen, N. J. Expansible watch band or similar article. 159,235, July 4.
Speck, Kurt, Palisades Park, assignor to Jacques Kreisler Manufacturing Corporation, North Bergen, N. J. Expansible watch band or similar article. 159,236, July 4.
Speck, Kurt, Palisades Park, N. J., assignor to F. & V. Manufacturing Co., Inc., East Providence, R. I. Expansible bracelet. 159,936, Aug. 29.
Speck, Kurt, Palisades Park, assignor to Jacques Kreisler Manufacturing Corporation, North Bergen, N. J. Expansible watch band or similar article. 160,558, Oct. 17.
Spector, Anna, Chicago, Ill. Shirt. 158,415, May 2.
Spector, Anna, Chicago, Ill. Shirt. 158,416, May 2.
Spector, Samuel J., New York, assignor to Insuline Corporation of America, Long Island City, N. Y. Adjustable antenna. 158,697, May 23.
Speidel Corporation, assignee: *See*—
Augenstein, Karl C.
Levinger, Paul.
Spellman, Erick: *See*—
Erickson, Charles, and Spellman.
Spence, Edmond J., New York, N. Y. Table. 158,524, May 9.
Spence, Tomas H., Los Angeles, Calif. Serving tray for crackers or the like. 160,559, Oct. 17.
Spencer, Frank P., Golden Valley, Minn. Mailbox supporting bracket. 160,028, Sept. 5.
Spencer, Percival H.: *See*—
Boyajian, Alfred Z., Gitz, and Spencer.
Spencer, Percival H., Babylon, N. Y., assignor to Republic Aviation Corporation. Amphibian airplane. 156,778, Jan. 3.
Sperry Corporation, The, assignee: *See*—
Hudson, Harry K.
Pine, Cecil C., Bostwick, Fragola, and Nesbitt.
Spezzano, Frank M., Bristol, Pa. Lamp. 157,542, Feb. 28.
Spiedel Corporation, assignee: *See*—
Gade, Harald F.
Spiegel, Inc., assignee: *See*—
Augenstein, Karl C.
Wilcox, Charles P.
Spier, I. Martin, New York, N. Y. Sun shield. 158,020, Apr. 4.
Spieth, Benjamin, assignor to Modine Manufacturing Company, Racine, Wis. Heater casing. 158,525, May 9.
Spiller, Richard F.: *See*—
Wilkin, Lewis G., and Spiller.
Spilman, Raymond: *See*—
De Napoli, Anthony C., Jr., and Spilman.
Spindell, Philip, New York, N. Y. Handbag. 156,779, Jan. 3.
Spindell, Philip, New York, N. Y. Handbag. 156,780, Jan. 3.
Spindell, Philip, New York, N. Y. Handbag. 156,781, Jan. 3.
Spitalny, Melvin, assignor to Volupte, Inc., Elizabeth, N. J. Vanity case. 157,916, Mar. 28.
Spitalny, Milton M., Hillside, N. J. Vanity case. 159,689, Aug. 8.
Spool Cotton Company, The, assignee: *See*—
Bacco, Stephen V., and McVikar.
Bjoro, Edvin F., and Fisher.
Sport Products, Inc., assignee: *See*—
Kelly, Joseph W., and Fairbanks.
Spreier, Rudolph, Arlington, Va., assignor to Mayer China Company, Beaver Falls, Pa. Plate or the like. 158,417, May 2.
Spreier, Rudolph, Arlington, Va., assignor to Mayer China Company, Beaver Falls, Pa. Plate or the like. 161,395, Dec. 26.
Spring-Air Company, assignee: *See*—
Koch, Lawrence G.
Sprung, Abraham, and L. W. Weiss, Brooklyn, N. Y Ventilator for motor vehicle windows. 160,029, Sept. 5.
Square Manufacturing Company, assignee: *See*—
Nelson, Erdick.
Squires, Elsa A., Santa Clara, Calif. Table cover. 159,690, Aug. 8.
Staab, George J., Springfield, N. J. Ruler. 158,145, Apr. 11.
Staab, George J., Springfield, N. J. Pouring attachment for bottles. 158,624, May 16.

Stachowiak, Harriet, Los Angeles, Calif. Grapefruit corer or similar article. 158,418, May 2.
Stacy, Ted R., assignor to Totebrush, Incorporated, Chicago, Ill. Box. 161,062, Nov. 28.
Stadd, Donald M., New York, and J. M. Sniffen, White Plains, N. Y.; said Stadd assignor to said Sniffen. Needle threading device. 160,348, Oct. 3.
Stalker, James R., Clayton, N. Y. Combination knife and cigarette lighter. 158,906, June 6.
Stamp, James H., Borough of Middlesex, N. J., assignor to Tek Hughes, Inc. Brush and comb cleaner. 159,106, June 20.
Stamper, Willson Y., Newark, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Casing for a mine-lamp battery or similar article. 159,170, June 27.
Stancato, Joseph G., Seattle, Wash. Accordion. 160,898, Nov. 14.
Standard Cap and Seal Corporation, assignee: *See*—
Zimmermann, Willy E.
Standard Hosiery Mills, assignee: *See*—
Haddad, Salomão J.
Standard Pressed Steel Co., assignee: *See*—
Gade, Harald F.
Standard-Thomson Corporation, assignee: *See*—
Zarbock, Lawrence G.
Stanland, Jacques K., New York, N. Y. Drill press. 158,021, Apr. 4.
Stanley, Harry, Rocky River, C. Tancre, Avon Lake, and L. C. Roy, Strongsville, Ohio. Combined music stand and amplifier housing. 157,098, Jan. 31.
Stanley Home Products, Inc., assignee: *See*—
Bagley, John F., Jr.
Gowdy, Robert A.
Stanley Works, The, assignee: *See*—
Rippon, Harold R.
Stanton, Charles W.: *See*—
Denn, Maurice J., and Stanton.
Star Brush Manufacturing Co., Inc., assignee: *See*—
Schumann, Lawrence R.
Stark Brick Company, The, assignee: *See*—
Zagray, Harold F.
Stark, Frederick W., assignor to The International Silver Company, Meriden, Conn. Dish or other article of hollow ware 157,099. Jan. 31.
Stark, Frederick W., assignor to The International Silver Company, Meriden, Conn. Dish or similar article of hollow ware. 159,013, June 13.
Starr Productions, assignee: *See*—
Farrell, Thomas.
State Welding Works, Inc., assignee: *See*—
Phillips, Harry.
Statter, Humphrey, New York, N. Y. Hair curler clip. 158,698, May 23.
Staude, Edwin G., Minneapolis, Minn. Mirror supporting frame. 158,526, May 9.
Stauffer, Eulalia S., Pacific Grove, Calif. Figurine or the like. 160,282, Sept. 26.
Stava, Robert J.: *See*—
Goldfield, Edwin R., and Stava.
Stavely, Robert W., Detroit, Mich. Bed headboard. 160,130. Sept. 12.
Stayton, Ralph W., assignor to Yuletide Bonus Stamp Company, Albany, Calif. Dispenser for stamps or the like. 159,691, Aug. 8.
Steadman, Rufus P., Saginaw, Mich. Vehicle steering wheel tray. 159,237, July 4.
Stearns, Dick E., Shreveport, La. Holiday detector. 158,419. May 2.
Steckler, Edith E., assignee: *See*—
Davis, Edmund A.
Steelco Stainless Steel, Inc., assignee: *See*—
Patti, Fred D.
Steele, Howard E., Los Angeles, Calif. Blackboard. 158,527, May 9.
Stefan, Joseph, Oaklawn, Ill. Towel rack. 157,212, Feb. 7.
Stegeman, Raymond F. E.: *See*—
Gay, Fred G., Jr., and Stegeman.
Stegeman, Raymond F. E., Greece, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Ophthalmic wire material. 159,301, July 11.
Steglich, Herbert H.: *See*—
Emde, Kurt, and Steglich.
Stein, Sam, Chicago, Ill. Two-piece coat ensemble. 158,228, Apr. 18.
Stein, Sam, Chicago, Ill. Two-piece coat ensemble. 158,229, Apr. 18.
Steinberg, Harold E.: *See*—
Klagges, Henry C., and Steinberg.
Steinberg, Jerome H., Brooklyn, N. Y. Illuminable advertising sign. 161,396, Dec. 26.
Steiner, Albert M., Cincinnati, Ohio. Bubble blowing toy. 157,100, Jan. 31.
Steiner, Erwin C.: *See*—
Redlich, Paula, and Steiner.
Steiner, Ezekiel C., Los Angeles, Calif. Carcass splitting saw. 157,298, Feb. 14.
Steinhardt, Irving H., New York, N. Y. Take-apart puzzle. 160,283, Sept. 26.
Steinhardt, Irving H., New York, N. Y. Pull-cord knob or similar article. 161,397, Dec. 26.

Steinhart, Alfons J., West Springfield, Mass., assignor to Son-Chief Electrics, Incorporated, Winsted, Conn. Electric fan or similar article. 159,692, Aug. 8.
Steinhilber, Adolf, assignor to The Servus Rubber Company, Rock Island, Ill. Shoe sole. 159,302, July 11.
Steinhilber, Adolf A., assignor to The Servus Rubber Company, Rock Island, Ill. Shoe sole. 160,561, Oct. 17.
Steinke, Carl J., Chicago, Ill., assignor to Zenith Radio Corporation. Television receiver. 160,131, Sept. 12.
Steinke, Clayton E., Salem, Oreg. Toy truck. 161,218, Dec. 12.
Stenback, William G., Benton Harbor, Mich. Grinder or the like. 160,749, Oct. 31.
Stephen, James W., Cheyenne, Wyo. Skillet. 160,132, Sept. 12.
Stephen Rug Mills, Inc., assignee: *See*— Feirberg, Ruth S.
Stephens, George H., Glencoe, assignor to Hammond Instrument Company, Chicago, Ill. Electrical musical instrument. 158,625, May 16.
Sterling Plastics Company, assignee: *See*— Fleming, Jack F.
Stern, Herman, New York, N. Y. Trimming or similar article. 157,641, Mar. 7.
Stern, L. & H., Inc., assignee: *See*— Stern, Robert L.
Stern, Robert L., assignor to L. & H. Stern, Inc., New York, N. Y. Combined pen and tie clasp. 160,670, Oct. 24.
Stern, Tobias, Scarsdale, N. Y., assignor to Jacques Kreisler Manufacturing Corporation, North Bergen, N. J. Expansible watch band or similar article. 160,560, Oct. 17.
Sternaman, Chester J., Springfield, Ill. Electric lamp holder. 161,294, Dec. 19.
Sternberg, Joseph, New York, N. Y. Chair or similar article. 159,760, Aug. 15.
Sternkopf, Albert E., Wauwatosa, Wis. Table. 157,448, Feb. 21.
Stevens, Clifford B.: *See*— Sayers, Frederick, and Stevens.
Stevens, Clifford B., Milwaukee, Wis., assignor to Rockwell Manufacturing Company, Pittsburgh, Pa. Jointer. 156,923, Jan. 17.
Stevens, Clifford B., Milwaukee, Wis. Railway observation car. 159,107, June 20.
Stevens, Clifford B., Milwaukee, assignor to La Crosse Trailer Corporation, La Crosse, Wis. Tank truck. 159,108, June 20.
Stevens, Clifford B., assignor to The Heil Co., Milwaukee, Wis. Vehicular tank. 159,238, July 4.
Stevens, Clifford B., assignor to The Heil Co., Milwaukee, Wis. Transportable tank. 159,239, July 4.
Stevens, Clifford B., Milwaukee, assignor to Moe Brothers Manufacturing Company, Fort Atkinson, Wis. Wall bracket lamp. 160,899, Nov. 14.
Stevens, Clifford B., Milwaukee, Wis. Combined automobile transport truck and trailer. 161,063, Nov. 28.
Stevens, George E., Missoula, Mont. Wallpaper moistening machine. 157,213, Feb. 7.
Stevens, Sidney L.: *See*— Kirkwood, Ersel F., and Stevens.
Stevenson, Ralph W., Grand Rapids, Mich., assignor to Reynolds Metals Company, Richmond, Va. Bottle holding tray. 161,064, Nov. 28.
Stewart, Bertram H., New York, N. Y. Ball pen point. 157,917, Mar. 28.
Stewart, Bertram H., New York, N. Y. Ball pen point. 157,918, Mar. 28.
Stewart, George M., Kansas City, Kans. Combination towel storage, dispensing, and disposal cabinet. 160,226, Sept. 19.
Stewart-Warner Corporation, assignee: *See*— Dean, Arthur F., and Peterson.
Stier, Joseph B., assignee: *See*— Levine, Abraham.
Stier, Joseph B., New York, N. Y. Plate or the like. 157,919, Mar. 28.
Stier, Joseph B., New York, N. Y. Watering pot or similar article. 158,813, May 30.
Stier, Joseph B., New York, N. Y. Cup. 160,227, Sept. 19.
Stier, Joseph B., New York, N. Y. Cup. 160,228, Sept. 19.
Stiffel, Theophile A., Chicago, Ill. Table lamp. 158,907, June 6.
Stoddard, Mary A., Chicago, Ill. Figure toy. 159,937, Aug. 29.
Stolper, Israel, Newton Highlands, Mass. Door knocker. 160,671, Oct. 24.
Stone, Herbert, New York, N. Y. Toy savings bank. 158,230, Apr. 18.
Stone, Leland G., assignor to The Magnavox Company, Fort Wayne, Ind. Television cabinet. 158,337, Apr. 25.
Stone Manufacturing Co., assignee: *See*— Stone, Philip G.
Stone, Natalie G., assignee: *See*— Wilcher, Abrasha.
Stone, Philip G., Newark, assignor to Stone Manufacturing Co., Elizabeth, N. J. Combination receptacle cap and multiple lampholder or similar article. 160,441, Oct. 10.
Stone, Philip G., New York, N. Y., assignor to Stone Manufacturing Co., Elizabeth, N. J. Floodlight holder or similar article. 157,801, Mar. 21.
Storch, Max H., Belle Harbor, N. Y. Mirror. 160,442, Oct. 10.
Storch, Max H., Belle Harbor, N. Y. Spoon or similar article. 161,398, Dec. 26.
Stores Publishing Co. Inc., assignee: *See*— Bergal, Geo.
Storey, Daniel H., Wausau, Wis. Cribbage board. 159,014, June 13.
Storey, Daniel H., Wausau, Wis. Cribbage board. 159,015, June 13.
Storey, Harold V., Seattle, Wash. Shuffleboard game table. 159,109, June 20.
Stough, Turney H., Jeannette, Pa. Candy containing musical toy. 157,011, Jan. 24.
Strachan, Edna H., Ann Arbor, Mich. Clip. 159,693, Aug. 8.
Strand, Bert F., Jr., assignor to The Swartzbaugh Manufacturing Company, Toledo, Ohio. Control box for an electrical appliance. 159,016, June 13.
Strassner, Frank J., South Orange, N. J. Draw-discard device for card games. 161,399, Dec. 26.
Strassner, John F., New York, N. Y. Dress ensemble. 156,782, Jan. 3.
Stratford Pen Corporation, assignee: *See*— Green, Warren and Schladermundt.
Stratman, Lester B., Santa Monica, and F. W. Newton, Los Angeles, Calif. Fish lure carrier. 161,065, Nov. 28.
Strauss, Joseph, Hewlett, assignor to Weil Ceramics & Glass, Inc., New York, N. Y. Cocktail glass or the like. 159,557, Aug. 1.
Strauss, Stuart M., New York, N. Y. Combined pen stand and pen. 160,030, Sept. 5.
Strayline, George W., Dobbs Ferry, N. Y. Electric glow candle. 158,146, Apr. 11.
Streesover, Moses, assignee: *See*— Silberman, Morris.
Streeter, Leo R., North Hollywood, assignor, by mesne assignments, to B. B. Korn, Los Angeles, Calif. Daylight motion-picture film printer. 158,528, May 9.
Strempel, Edward L., Bedford Village, N. Y. Vending machine. 157,101, Jan. 31.
Stromberg, George F., Jr., assignor to The Servus Rubber Company, Rock Island, Ill. Rubber shoe. 159,761, Aug. 15.
Strong, Leila G., Detroit, Mich. Combined coaster and ash tray or similar article. 160,284, Sept. 26.
Strong, Leila G., Detroit, Mich. Combined coaster and ash tray or similar article. 160,285, Sept. 26.
Strong, Leila G., Detroit, Mich. Combined coaster and ash tray or similar article. 160,286, Sept. 26.
Stuart, C. W., & Company, Inc., assignee: *See*— Vanderbrook, Clarence A.
Vanderbrook, Clarence A., and Jaynes.
Stuman, Jack B., assignor to Geo. D. Roper Corporation, Rockford, Ill. Combined clock, clock control, condiment holders and shelf for cooking stoves. 156,783, Jan. 3.
Stuman, Jack B., assignor to Geo. D. Roper Corporation, Rockford, Ill. Combined timer and condiment holders for cooking range. 156,784, Jan. 3.
Stupell, Leo K., Bronx, and C. Sabel, Scarsdale, assignors to Flo-Ball Pen Corporation, New York, N. Y. Fountain pen clip or similar article. 160,750, Oct. 31.
Sturgess, Inc., assignee: *See*— Cushman, Clifford.
Style-Rite Optical Corporation, assignee: *See*— Liebowitz, Leonard.
Suess, Herbert M., Elkins Park, Pa. Stocking. 158,147, Apr. 11.
Suess, Herbert M., Elkins Park, Pa. Stocking. 158,148, Apr. 11.
Suhren, Mary C., Teaneck, N. J. Bookstand for Bible or similar article. 160,900, Nov. 14.
Suhren, Mary C., Teaneck, N. J. Bookstand for Bible or similar article. 160,901, Nov. 14.
Suhren, Mary C., Teaneck, N. J. Bookstand for Bible or similar article. 160,902, Nov. 14.
Suhren, Mary C., Teaneck, N. J. Bookstand for Bible or similar article. 160,903, Nov. 14.
Suich, Dorothy M., Altadena, Calif. Baby's bottleholder. 159,938, Aug. 29.
Suich, Dorothy M., Altadena, Calif. Baby's bottleholder. 159,939, Aug. 29.
Sullivan, Hazen M., Chicago, Ill. Card game score indicating device. 158,420, May 2.
Sullivan, John J., Norfolk, Va. Automobile service station. 161,066, Nov. 28.
Sullivan, Ruth, Buffalo, N. Y. Toy top. 158,908, June 6.
Sunbeam Corporation, assignee: *See*— Jepson, Ivar.
Sundberg, Carl W.: *See*— Kress, George H., and Sundberg.
Sundberg, Carl W., Birmingham, Mich., assignor to The De Vilbiss Company, Toledo, Ohio. Air compressor. 157,802, Mar. 21.
Sundberg, Carl W., Birmingham, Mich., assignor to Kurz-Kasch, Inc., Dayton, Ohio. Handle. 159,303, July 11.
Sundberg, Carl W., Birmingham, Mich., assignor to Hercules Powder Company, Wilmington, Del. Toy catapult body or similar article. 159,452, July 25.
Sundberg, Carl W., Birmingham, Mich., assignor to The De Vilbiss Company, Toledo, Ohio. Vaporizer. 161,142, Dec. 5.
Sundberg, Carl W., Detroit, Mich., assignor to Carrier Corporation, Syracuse, N. Y. Self-contained air-conditioning unit. 158,149, Apr. 11.

Sundberg, Carl W., Detroit, Mich., assignor to Carrier Corporation, Syracuse, N. Y. Unit heater. 158,231, Apr. 18.

Sundberg, Carl W., and Montgomery Ferar, Detroit, Mich., assignors to Seeger Refrigerator Company, St. Paul, Minn. Refrigerator cabinet. 158,150, Apr. 11.

Sundberg, Carl W., Detroit, Mich., and G. H. Kress, Vestal, assignors to International Business Machines Corporation, New York, N. Y. Record controlled calculating machine. 158,814, May 30.

Sundell, Carl A., Muskegon, Mich., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Billiard ball triangle. 159,558, Aug. 1.

Sundstedt, Hugo, New York, N. Y. Motorboat. 159,240, July 4.

Sundstedt, Hugo, New York, N. Y. Motorboat. 160,031, Sept. 5.

Sundstrand Machine Tool Co., assignee: *See*—
Triolo, Peter T.

Sunset Lamp & Shade Company, assignee: *See*—
Grant, Lowell V.

Sunter, Philip K.: *See*—
Valliant, Edwin S., and Sunter.

Superior Products Incorporated, assignee: *See*—
Hoelzel, Carl E.

Supurdisplay, Incorporated, assignee: *See*—
Lippincott, Joshua G.

Surina, Albert A., North Plainfield, N. J. Cake plate. 156,924, Jan. 17.

Suring, Joseph J., assignor to Noma Electric Corporation, New York, N. Y. Bubbling candle lamp. 158,909, June 6.

Surratt, Ulysses S., Kansas City, Mo. Playing card. 159,694, Aug. 8.

Susi, Michael A., assignor to Toscony Fabrics Inc., New York, N. Y. Plastic film table cover. 157,711, Mar. 14.

Susi, Michael A., assignor to Toscony Fabrics Inc., New York, N. Y. Plastic film material. 157,920, Mar. 28.

Susi, Michael A., assignor to Toscony Fabrics Inc., New York, N. Y. Plastic film material. 157,921, Mar. 28.

Susi, Michael A., assignor to Toscony Fabrics Inc., New York, N. Y. Plastic film material. 157,922, Mar. 28.

Susi, Michael A., assignor to Toscony Fabrics Inc., New York, N. Y. Plastic film material. 157,923, Mar. 28.

Susi, Michael A., assignor to Toscony Fabrics Inc., New York, N. Y. Plastic film table cover. 158,022, Apr. 4.

Susi, Michael A., assignor to Toscony Fabrics Inc., New York, N. Y. Plastic film table cover. 158,023, Apr. 4.

Susi, Michael A., assignor to Toscony Fabrics Inc., New York, N. Y. Plastic film table cover. 158,024, Apr. 4.

Susi, Michael A., assignor to Toscony Fabrics Inc., New York, N. Y. Plastic film table cover. 158,025, Apr. 4.

Susi, Michael A., assignor to Toscony Fabrics Inc., New York, N. Y. Plastic film table cover. 158,026, Apr. 4.

Susi, Michael A., assignor to Toscony Fabrics Inc., New York, N. Y. Plastic film material. 158,151, Apr. 11.

Susi, Michael A., assignor to Toscony Fabrics Inc., New York, N. Y. Plastic film material. 158,152, Apr. 11.

Susi, Michael A., assignor to Toscony Fabrics, Inc., New York, N. Y. Plastic table cover. 158,232, Apr. 18.

Susi, Michael A., assignor to Toscony Fabrics Inc., New York, N. Y. Plastic film material. 159,171, June 27.

Sutherland, Lyndall L., Peoria, Ill. Display device. 160,904, Nov. 14.

Sutton, O. A., Corporation, Inc., assignee: *See*—
Sutton, Ottis A.

Sutton, O. A., Corporation, Inc., The, assignee: *See*—
Sutton, Ottis A.

Sutton, Ottis A., assignor to The O. A. Sutton Corporation, Inc., Wichita, Kans. Window ventilating fan or the like. 157,642, Mar. 7.

Sutton, Ottis A., assignor to The O. A. Sutton Corporation, Inc., Wichita, Kans. Table top air circulating unit. 160,349, Oct. 3.

Suyama, Masato, Denver, Colo. Rubber boot or similar article. 158,910, June 6.

Suyama, Masato, Denver, Colo. Rubber boot or similar article. 158,911, June 6.

Swaisgood, Ralph H., Los Angeles, Calif. Combination trailer hitch and bumper guard. 157,643, Mar. 7.

Swank, Inc., assignee: *See*—
Howard, Viola T.

Swann, Edward R., assignor to The Hoover Company, North Canton, Ohio. Floor polisher. 158,912, June 6.

Swanson, Arthur P., Des Plaines, Ill., assigner to Sargent & Company, New Haven, Conn. Display cabinet. 159,559, Aug. 1.

Swanson, Arthur P., Des Plaines, Ill., assignor to Sargent & Company, New Haven, Conn. Display cabinet. 159,560, Aug. 1.

Swarbrick, Joseph, North Arlington, N. J. Reversible cigar band. 160,562, Oct. 17.

Swartzbaugh Manufacturing Company, The, assignee: *See*—
Strand, Bert F., Jr.,

Sykes, Carl E., Norfolk, Va. Combination fender trim and signal light unit. 156,785, Jan. 3.

Sykes, Carl E., Norfolk, Va. Combined automobile fender molding and ornament. 160,978, Nov. 21.

Sylvania Electric Products Inc., assignee: *See*—
Lepore, Pasquale J.
Nitardy, Carl J. H.
Russell, Donald F.

Syncromatic Corporation, assignee: *See*—
Jaye, Richard C.

Syndicate Sales Company, assignee: *See*—
Demaree, Delmar E.

Syracuse Ornamental Co., Inc., assignee: *See*—
Fisher, Frederic H.
Harris, Shurley.

Szitar, John E., Cleveland Heights, assignor to The Weatherhead Company, Cleveland, Ohio. Drain cock or similar article. 158,338, Apr. 25.

Tabergé, Inc., assignee: *See*—
Piccoli, Girolamo.

Tabet Manufacturing Company, Incorporated, assignee: *See*—
Tabet, Michael A.

Tabet, Michael A., assignor to Tabet Manufacturing Company, Incorporated, Norfolk, Va. Portable oil pump and tank. 157,102, Jan. 31.

Tait, George C., Wyomissing, Pa. Stocking. 157,299, Feb. 14.

Tait, George C., Wyomissing, Pa. Stocking. 157,300, Feb. 14.

Tait Hosiery Mills, Inc., assignee: *See*—
Tait, William.

Tait, Wilhelmina, Wyomissing, assignor to Millway Knitting Mills, Inc., Millway, Pa. Stocking. 158,626, May 16.

Tait, William, Wyomissing, assignor to Tait Hosiery Mill, Inc., Reading, Pa. Necktie. 158,339, Apr. 25.

Tait, William, Wyomissing, assignor to Tait Hosiery Mill, Inc., Reading, Pa. Necktie. 158,340, Apr. 25.

Tait, William, Wyomissing, assignor to Millway Knitting Mills, Inc., Millway, Pa. Stocking. 158,913, June 6.

Tait, William, Wyomissing, assignor to Tait Hosiery Mill, Inc., Reading, Pa. Necktie. 159,172, June 27.

Talcove, Herman M., Roxbury, Boston, Mass. Combined purse and compact. 160,751, Oct. 31.

Talge, Henry J.: *See*—
Whitfill, Elton F., and Talge.

Talge, Henry J., Kansas City, Mo., and A. M. Travis, Kansas City, Kans., assignors to J. C. Hockery, Kansas City, Mo., as trustee. Fruit juice extractor. 157,301, Feb. 14.

Tancre, Charles: *See*—
Stanley, Harry, Tancre, and Roy.

Tanier, George I., New York, assignor to Alden Woodcrafts, Inc., Brooklyn, N. Y. Lamp table. 159,561, Aug. 1.

Tanier, George I., New York, assignor to Alden Woodcrafts, Inc., Brooklyn, N. Y Console table. 159,562, Aug. 1.

Tannehill, Vernon L., Fort Wayne, Ind. Golf game apparatus. 160,979, Nov. 21.

Tant, Angeline: *See*—
Tant, Jules and A.

Tant, Jules and A., St. Charles, Ill. Container for holding and dispensing packaged cigarettes. 157,543, Feb. 28.

Taradash, Murray, Fall River, Mass. Negligee. 157,214, Feb. 7.

Tarrant, William R., assignor of one-half to J. Korinek, Indianapolis, Ind. Combined bowler's roughener and shoehorn. 160,905, Nov. 14.

Tarrson Company, The, assignee: *See*—
Tarrson, Sidney A.

Tarrson, Sidney A., assignor to The Tarrson Company, Chicago, Ill. Gum ball dispensing machine. 158,529, May 9.

Taylor, Frank F., Company, The, assignee: *See*—
Gill, Donald W.

Taylor, Herbert M., Toronto, Ontario, Canada. Ash tray stand. 157,712, Mar. 14.

Taylor Instrument Companies, assignee: *See*—
Teague, Walter D., and Ensign.
Teague, Walter D., and Wassyng.

Taylor, Leigh S., Dallas, Tex. Continuous memorandum device or similar article. 158,815, May 30.

Taylor, Moulton B., U. S. Navy. Amphibian airplane. 156,786, Jan. 3.

Teague, James: *See*—
Clemens, George S., and Teague.

Teague, James, assignor to Dana Perfumes, Inc., Chicago, Ill. Perfume bottle. 157,544, Feb. 28.

Teague, James, Chicago, Ill., assignor to Modine Manufacturing Company, Racine, Wis. Convector cabinet. 159,017, June 13.

Teague, Walter D., Annandale, N. J., assignor, by mesne assignments, to Pierce Company, Providence, R. I. Facsimile recorder. 158,027, Apr. 4.

Teague, Walter D., Annandale, N. J., and R. H. Ensign, Bronxville, N. Y. Combined thermometer and barometer. 157,103, Jan. 31.

Teague, Walter D., Annandale, N. J., and R. H. Ensign, Bronxville, assignors to Taylor Instrument Companies, Rochester, N. Y. Bath thermometer. 158,421, May 2.

Teague, Walter D., Annandale, N. J., and S. D. Wassyng, Brooklyn, assignors to Taylor Instrument Companies, Rochester, N. Y. Combined thermometer and barometer. 160,032, Sept. 5.

Teague, Walter D., Annandale, N. J., and R. H. Ensign, Bronxville, assignors to Taylor Instrument Companies, Rochester, N. Y. Thermometer. 160,672, Oct. 24.

Tek, Hughes, Inc., assignee: *See*—
Langer, Samuel J.
Stamp, James H.

Tele-Trip Policy Company, Inc., assignee: *See*—
Shaheen, John M.
Teletype Corporation, assignee: *See*—
Hose, Robert H., and Larsson.
Gettelman, Gilbert C.
Temco, Inc., assignee: *See*—
Bourner, Howard L.
Temko, Richard S.: *See*—
Simon, Justin, and Temko.
Temmer, Jack G., Appleton, Wis. Holder for vacuum coffee makers. 157,545, Feb. 28.
Tempro Incorporated, assignee: *See*—
Gould, James, Jr.
Ten Eyck, Richard, assignor to The Coleman Company, Inc., Wichita, Kans. Heater. 157,644, Mar. 7.
Terlinde, Bernard A., White Bear, Minn. Towel holder. 159,018, June 13.
Tesch, George D., Chicago, Ill. Building structure. 157,449, Feb. 21.
Tessler & Weiss, Inc., assignee: *See*—
Weiss, Joseph.
Tews, John O., assignor to Gray Company, Inc., Minneapolis, Minn. Combined oil bar and cabinet or similar article. 159,563, Aug. 1.
Textron, Inc., assignee: *See*—
Parlette, Lee.
Thatcher, Russell S., Flint, assignor to Living Designs, Grand Blanc, Mich. Knife holder. 158,816, May 30.
Thede, Howard A., Wayland, Mich. Chiffonier. 157,302, Feb. 14.
Thede, Howard A., Wayland, Mich. Desk with drawers. 157,303, Feb. 14.
Thede, Howard A., Wayland, Mich. Vanity dresser. 157,304, Feb. 14.
Theis, Elmer E., assignor to Ace Pump Corporation, Memphis, Tenn. Combined well pump and motor support. 159,173, June 27.
Thermoplex International, Inc., assignee: *See*—
Kirman, Alexander O.
Thieblot, Armand J., Hagerstown, Md., assignor to Fairchild Engine and Airplane Corporation. Airplane. 157,645, Mar. 7.
Thieblot, Armand J., Hagerstown, Md., assignor to Fairchild Engine and Airplane Corporation. Airplane. 158,817, May 30.
Thieblot, Armand J., Hagerstown, Md., assignor to Fairchild Engine and Airplane Corporation. Airplane. 159,110, June 20.
Thieblot, Armand J., Hagerstown, Md., assignor to Fairchild Engine and Airplane Corporation. Airplane. 160,563, Oct. 17.
Thielen, Eugene A., Sacramento, Calif. Shoe-shining machine. 159,304, July 11.
Thill, Cecilia E., Cloquet, Minn. Hat. 160,443, Oct. 10.
Thomas, Benjamin, New York, N. Y. Blouse. 159,695, Aug. 8.
Thomas, Chester A., Lake Forest, Ill., assignor to Babson Bros. Co. Lid for a suspended milker. 156,852, Jan. 10.
Thomas, Henry, Los Angeles, Calif. Shoe cleaning attachment. 157,713, Mar. 14.
Thomas, Islyn, assignor to Thomas Manufacturing Corp., Newark, N. J. Toy rocker. 156,787, Jan. 3.
Thomas, Islyn, assignor to Thomas Manufacturing Corp., Newark, N. J. Toy swing. 157,215, Feb. 7.
Thomas, Lorraine B., Pueblo, Colo. Hen's nest. 160,444, Oct. 10.
Thomas Manufacturing Corp., assignee: *See*—
Thomas, Islyn.
Thomas, Stephen J., Bellflower, Calif. Correct posture seat for toilet bowls. 160,033, Sept. 5.
Thompson, Claud A., Cleveland, Ohio. Savings bank. 160,133, Sept. 12.
Thompson Grinder Company, The, assignee: *See*—
Ernst, Walter.
Thompson, Harlan J., Los Angeles, Calif., assignor to General American Transportation Corporation, Chicago, Ill. Vending machine. 160,229, Sept. 19.
Thompson, John H., assignor to A. Rockvam, Glendale, Calif. Hose nozzle. 159,174, June 27.
Thompson, Walter, Colorado Springs, Colo. Flower trellis or similar article. 158,627, May 16.
Thomson, Ernest F.: *See*—
Anderson, Robert I., and Thomson.
Thomson, Ernest F., Tuckahoe, N. Y., assignor to Casco Products Corporation, Bridgeport, Conn. Steam-electric flatiron. 157,305, Feb. 14.
Thomson, Ernest F., Tuckahoe, N. Y., assignor to Casco Products Corporation, Bridgeport, Conn. Automobile sun visor. 160,034, Sept. 5.
Thomson, Ernest F., Tuckahoe, N. Y., assignor to Casco Products Corporation, Bridgeport, Conn. Box for portable tools and accessories. 161,067, Nov. 28.
Thor Corporation, assignee: *See*—
Gerhardt, Andrew H.
Thoresen, George A., Providence, R. I., assignor to The Robbins Company, Attleboro, Mass. Belt buckle or similar article. 160,673, Oct. 24.
Thorkelson, Nils H.: *See*—
Pierce, George L., and Thorkelson.
Thurmond, Holmes A., Shreveport, La. Boat hull. 159,175, June 27.
Tienson, Uno L., San Francisco, Calif. Link for an identification bracelet or similar article. 159,397, July 18.
Tietje, Helmut G., Cresskill, assignor to Columbia Protektosite Co. Inc., Carlstadt, N. J. Banana vendor toy. 160,230, Sept. 19.
Tilley, Frank G., Jacksonville, Tex. Truck. 160,035, Sept. 5.
Tilley, Henry R., Durham, assignor to The International Silver Company, Meriden, Conn. Display mounting for flatware. 157,924, Mar. 28.
Titensky, Louis B., Kansas City, Mo. Tablespoon for infants. 158,818, May 30.
Tkatch, Solomon: *See*—
Azov, George, and Tkatch.
Tobin, Edith D., Philadelphia, Pa. Garment hanger. 158,530, May 9.
Tobler, Hans, Teaneck, N. J. Embroidered trimming or similar article. 158,153, Apr. 11.
Tobler, Hans, Teaneck, N. J. Embroidered trimming or similar article. 158,819, May 30.
Todd, John C., Columbia, S. C. Bottle holder. 157,925, Mar. 28.
Toledo Desk & Fixture Company, The, assignee: *See*—
Crook, Frank M.
To Market, Inc., assignee: *See*—
Friedman, Morris.
Tompkins, Robert V., Wyncote, Pa. Water can. 158,914, June 6.
Tonno-Shield Corporation, assignee: *See*—
Edlund, Henry K., Monjar, Shuman, and De Tamble.
Törnström, Rolf, Nattrabyhamn, Sweden. Candle holder. 161,295, Dec. 19.
Torok, Frank, assignor to Artistic Foundations, Inc., New York, N. Y. Bathing suit. 161,068, Nov. 28.
Torok, Frank, assignor to Artistic Foundations, Inc., New York, N. Y. Bathing suit. 161,069, Nov. 28.
Torok, Frank, assignor to Artistic Foundations, Inc., New York, N. Y. Bathing suit. 161,070, Nov. 28.
Torsion Balance Company, The, assignee: *See*—
Otto, Carl L.
Toscony Fabrics Inc., assignee: *See*—
Patlen, Albin A.
Susi, Michael A.
Totebrush, Inc., assignee: *See*—
Mesi, Phillip J.
Stacey, Ted R.
Touhey, Dorothy E.: *See*—
Touhey, Leo F. and D. E.
Touhey, Leo F. and D. E., Minneapolis, Minn. Spice container. 159,762, Aug. 15.
Tourneau, Henry K., New York, N. Y. Combined watch-case and bracelet. 161,296, Dec. 19.
Towler, Hazel B., El Segundo, Calif. Food cutter. 157,012, Jan. 24.
Trabert, Frank J., Los Angeles, Calif. Tie rack or similar article. 157,546, Feb. 28.
Trailmobile Company, The, assignee: *See*—
Black, James J.
Transervice, Inc., assignee: *See*—
Robins, Jack L.
Traver Corporation, assignee: *See*—
Lindermuth, Alfred.
Soltz, Max.
Travis, Albert M.: *See*—
Talge, Henry J., and Travis.
Tremarco, Emelio E., Newark, N. J., assignor to Casco Products Corporation, Bridgeport, Conn. Toolbox. 160,134, Sept. 12.
Trifari, Krussman & Fishel, Inc., assignee: *See*—
Philippe, Alfred.
Trimfoot Company, assignee: *See*—
Reinhart, John B., Jr., and Ruebel.
Triolo, Peter T., assignor to Sundstrand Machine Tool Co., Rockford, Ill. Rubbing machine or the like. 160,036, Sept. 5.
Tri-Saw Corporation, assignee: *See*—
Butz, Bert B.
Trisch, Oscar, Company, assignee: *See*—
Skulnik, Murray S.
Tritt, Samuel, Bronx, N. Y. Towel lock rack. 158,154, Apr. 11
Triumph Hosiery Mills, Inc., assignee: *See*—
Goodman, Herbert N.
Trousdale, Austin W., Memphis, Tenn. Ash tray. 159,696, Aug. 8.
Trowbridge, Charles A., Roxborough, assignor to Ontario Research Corporation, Philadelphia, Pa. Adjustable radio and television antenna. 158,233, Apr. 18.
Truesdale, Eddie P., Orangeburg, S. C. Game board. 157,450, Feb. 21.
Trumbull Electric Manufacturing Company, The, assignee: *See*—
Hammerly, Herman J.
Tubbs, Eldred F., Orchard Park, N. Y. Collapsible desk or the like. 159,564, Aug. 1.
Tucker, Lloyd I., Glendale, assignor to Santa Anita Potteries, Los Angles, Calif. Plate or similar article. 156,853, Jan. 10.
Tung-Sol Lamp Works, Inc., assignee: *See*—
Cook, Harold F.
Tupper, Earl S., Upton, Mass. Cover for a vessel. 156,854, Jan. 10.

Tupper, Earl S., Upton, Mass. Sugar bowl. 156,855, Jan. 10.
Tupper, Earl S., Upton, Mass. Cover for a vessel. 158,155, Apr. 11.
Turgeon, Frank A., Jr., Rockville, Md. Combination container opener and bottle seal breaker. 158,341, Apr. 25.
Turnbull, Frederick W., Vienna, Va. Pendant. 158,342, Apr. 25.
Turner, Ben, Bellrose, and M. and E. Forster, Brooklyn, N. Y. Mattress cover or similar article. 160,752, Oct. 31.
Turner, Dewey O., Pine Grove, Calif. Mine car coupling. 159,111, June 20.
Turner Manufacturing Company, assignee: *See*—
Dailey, James R.
Turner, Mattie B., Dallas, Tex. Child's combination garment or similar article. 158,028, Apr. 4.
Turpin, Annette T., Los Angeles, Calif. Picture autograph book. 159,763, Aug. 15.
Tuttle, William R., and W. J. Beldue, assignors to The Kurlash Company, Inc., Rochester, N. Y. Tweezers. 157,104, Jan. 31.
Tuttle, William R., and W. J. Beldue, assignors to The Kurlash Company, Inc., Rochester, N. Y. Cigar cutter. 159,305, July 11.
Twin Bottles, Inc., assignee: *See*—
Polime, Franco.
Ufnal, Casimir V.: *See*—
Hout, Rush B., and Ufnal.
Uhrmann, Carl J., assignor to Imperial Glass Corporation, Bellaire, Ohio. Goblet or similar article. 158,234, Apr. 18.
Ulmer, Theodore, Burbank, Calif., assignor to Mars Engineering & Mfg. Co. Egg poacher. 157,803, Mar. 21.
Ulmer, Theodore, Burbank, Calif., assignor to Mars Engineering & Mfg. Co. Drip coffee maker. 158,531, May 9.
Ulrich, Raymond M., Roanoke, Ill. Hydraulic lifter. 158,156, Apr. 11.
Ulvad, Bernard, assignor to Foster Grant Co., Inc., Leominster, Mass. Combined comb holder and tray. 156,788, Jan. 3.
Ulvad, Bernard, assignor to Foster Grant Co., Inc., Leominster, Mass. Comb or the like. 156,925, Jan. 17.
Ulvad, Bernard, assignor to Foster Grant Co., Inc., Leominster, Mass. Combined pincushion and receptacle. 158,422, May 2.
Ulvad, Bernard, assignor, by mesne assignments, to Foster Grant Co., Inc., Leominster, Mass. Sun-goggle or the like., 158,532, May 9.
Ulvad, Bernard, assignor to Foster Grant Co., Inc., Leominster, Mass. Powder box or the like. 159,874, Aug. 22.
Uncas Manufacturing Company, assignee: *See*—
Barbieri, Nicholas.
Underwood Corporation, assignee: *See*—
Dobson, William A.
Ungar, Leo, University City, Mo. Holder for playing cards. 160,906, Nov. 14.
Union Hardware Company, assignee: *See*—
Jack, Edward M.
Hall, Richard L.
Union Oil Company of California, assignee: *See*—
Cooper, Harold G.
Union Steel Chest Corporation, assignee: *See*—
Mitchell, Orrin J.
United Aircraft Corporation, assignee: *See*—
Baker, Paul S., Shoemaker, Palley, and Schoolfield.
Katzenberger, Edward F.
United Insulator Company Limited, assignee: *See*—
Hiles, Eric J.
United Metal Goods Manufacturing Co., Inc., assignee: *See*—
Levy, Abraham.
Medici, Pasquale.
Punzak, Joseph F.
United Refrigerator Company, assignee: *See*—
Mackenzie, Kenneth W.
U. S. Manufacturing Corporation, assignee: *See*—
Hobbs, Charles B.
United States Rubber Company, assignee: *See*—
Forrest, Preston J., and Wiechman.
Hobe, Audrey A.
Smith, Wendell H., and Conley.
Wills, Bernard F.
U. S. Thermo Control Co., The, assignee: *See*—
Jones, Frederick M.
United States Woodcraft Corporation, assignee: *See*—
Collins, Edward J.
Universal Camera Corporation, assignee: *See*—
Ward, Wallace W.
Universal Chain Co. Inc., assignee: *See*—
Dieterich, Frederick A.
Universal Manufacturing Company, assignee: *See*—
Horowitz, Isadore.
Universal Match Corporation, assignee: *See*—
Shapiro, Joseph.
Univis Lens Company, The, assignee: *See*—
Allen, Robert E., and Utzinger.
Unsinger A P Corporation, assignee: *See*—
Unsinger, Philip H.
Unsinger, Philip H., assignor to Unsinger A P Corporation, Fremont, Ohio. Strip cutting machine. 157,105, Jan. 31.
Urikit Co., The, assignee: *See*—
Lorenzen, Pearl B.
Utica Radiator Corporation, assignee: *See*—
Bair, Thomas C.
Simon, Harolde M.
Utley, Ben, assignee: *See*—
Utley, Paul B.
Utley, (Mrs.) Lee N., assignee: *See*—
Utley, Paul B.
Utley, Lewis S., Forest Hills, N. Y., assignor to Columbia Protektosite Co., Inc., Carlstadt, N. J. Comb. 159,697, Aug. 8.
Utley, Lola P., assignee: *See*—
Utley, Paul B.
Utley, Paul B., assignor of forty percent to (Mrs.) L. N. Utley, ten percent to L. P. Utley, and ten percent to B. Utley, Memphis, Tenn. Condiment dispensing unit. 159,176, June 27.
Uttz, William A., Fort Worth, Tex. Fisherman's utility tool. 157,013, Jan. 24.
Utzinger, William F.: *See*—
Allen, Robert E., and Utzinger.
Uva, Joseph A., Watertown, Mass. Lipstick container. 157,216, Feb. 7.
Vac-O-Lite Signal Co., Inc., assignee: *See*—
Carlson, Louis W.
Vaden, Amy S., Petersburg, Va. Panties. 157,646, Mar. 7.
Vail Manufacturing Company, assignee: *See*—
Nyberg, Curt E.
Valcorr Hosiery Corporation, assignee: *See*—
Elisayeff, Arline A., and Loeschorn.
Valentine, Hans G., Milwaukee, Wis. Child's playhouse screen. 159,019, June 13.
Valliant, Edwin S., Medford, Oreg., and P. K. Sunter, Los Angeles, Calif. Stuffed toy animal figure. 160,445, Oct. 10.
Valor Tool and Machine Co., assignee: *See*—
Dajnowicz, William C.
Van Alstyne, Arthur J., Lancaster, N. Y. Film viewer. 160,037, Sept. 5.
Van Auken, Inc., assignee: *See*—
Jenkins, Howard M., Jr.
Vanderbrook, Clarence A., assignor to C. W. Stuart & Company, Inc., Newark, N. Y. Landscape planning rule. 157,217, Feb. 7.
Vanderbrook, Clarence A., and W. C. Jaynes, assignors to C. W. Stuart & Company, Inc., Newark, N. Y. Landscape planning rule. 157,218, Feb. 7.
Vanderput, Julien C. L., Brussels, Belgium. Souvenir plaque. 159,940, Aug. 29.
Van Dorn Iron Works Company, The, assignee: *See*—
Jones, Lawrence C.
Jones, Lawrence C., and Shirley.
Shirley, Granville H.
Van Dyck, Kenneth A.: *See*—
Eagle, John H., and Van Dyck.
Van Dyck, Kenneth A., assignor to Eastman Kodak Company, Rochester, N. Y. Roll paper cutter. 157,647, Mar. 7.
Van Dyck, Kenneth A., assignor to Eastman Kodak Company, Rochester, N. Y. Self-timer for camera shutter. 158,628, May 16.
Van Dyck, Kenneth A., assignor to Eastman Kodak Company, Rochester, N. Y. Motion-picture film splicing machine. 160,038, Sept. 5.
Van Dyck, Kenneth A., assignor to Eastman Kodak Company, Rochester, N. Y. Slide projector. 160,039, Sept. 5.
Van Dyck, Kenneth A., assignor to Eastman Kodak Company, Rochester, N. Y. Slide projector. 160,040, Sept. 5.
Van Dyck, Kenneth A., assignor to Eastman Kodak Company, Rochester, N. Y. Projection lamp. 161,219, Dec. 12.
Van Dyck, Kenneth A., assignor to Eastman Kodak Company, Rochester, N. Y. Slide projector with screen. 161,220, Dec. 12.
Van-Guard Corporation, assignee: *See*—
Cohen, Leon R., and Beck.
Van Horne, Alfred R., Albany, N. Y. Pool ball rack. 158,235, Apr. 18.
Vani-Lite Corporation, The, assignee: *See*—
Carmell, Luke H.
Vanity Corset Company, Inc., assignee: *See*—
Mayer, Milton.
Van Ryan, Anthony, South Milwaukee, assignor to McGraw Electric Company, Milwaukee, Wis. Circuit breaker. 159,112, June 20.
Van Trine, Leona T., assignee: *See*—
Van Trine, Ralph.
Van Trine, Ralph, assignor of thirty per cent to L. T. Van Trine, and thirty percent to M. V. Davis, Durham, N. C. Bottle cap remover. 157,927, Mar. 28.
Van Zelm, Willem D.: *See*—
Ebel, William K., van Zelm, and Draut.
Varey, Robert J., Newton Brook, Ontario, Canada. Pyrophoric lighter. 157,648, Mar. 7.
Vastano, Joseph J., East Providence, R. I., assignor to Flex-Let Corporation. Extensible bracelet. 158,157, Apr. 11.
Vaughn, Albert E., Orange, N. J. Lipstick holder. 159,020, June 13.
Vavrik, Louis, Rossford, assignor to The Witte-Toledo Company, Toledo, Ohio. Tape dispenser. 157,219, Feb. 7.

Vavrik, Louis, Rossford, Ohio, assignor to The Kalamazoo Sled Company, Kalamazoo, Mich. Hand sled. 158,158, Apr. 11.
Veed Corp., assignee: *See*—
Hvid, Rasmus M.
Vendo Company, The, assignee: *See*—
Andrews, Boley A.
Verlod, Edna, Alameda, Calif. Ash tray. 158,159, Apr. 11.
Vernon, Frederick L., Newton, Iowa. Rain gauge. 157,804, Mar. 21.
Versen, Kurt, Tenafly, N. J. Fluorescent lighting fixture. 157,547, Feb. 28.
Versen, Kurt, Tenafly, N. J. Table lamp. 157,548, Feb. 28.
Versen, Kurt, Tenafly, N. J. Floor lamp. 159,875, Aug. 22.
Viani, Russell J., New York, N. Y. Clock. 159,698, Aug. 8.
Viani, Russell J., New York, N. Y. Combined clock and radio or the like. 159,699, Aug. 8.
Viani, Russell J., New York, N. Y. Combined clock and radio or the like. 159,700, Aug. 8.
Viani, Russell J., New York, N. Y. Combined clock and radio or the like. 159,701, Aug. 8.
Vickers Incorporated, Waterbury Tool Division, assignee: *See*—
Andrews, James.
Victor Electric Products, Inc., assignee: *See*—
Spear, Walter A.
Victor Industries Corporation, assignee: *See*—
Jung, Albert H.
Victoreen, John A., Cleveland, J. M. Bevis, East Cleveland, A. F. Bush, Cleveland, and R. D. Kidney, Parma Heights, Ohio. Radiation measuring instrument. 157,106, Jan. 31.
Video Lighter Corporation, assignee: *See*—
Condon, William J.
Vilsack, Marie K., Poland, Ohio. Toy lamp. 158,423, May 2.
Vines, Oscar L., New York, N. Y. Bag or the like. 157,928, Mar. 28.
Vines, Oscar L., New York, N. Y. Bag or the like. 159,177, June 27.
Vines, Oscar L., New York, N. Y. Bottle carrier. 160,564, Oct. 17.
Viola, Carmelo, Los Angeles, Calif. Combined folding table and bench construction unit. 158,160, Apr. 11.
Virneburg, George, New York, N. Y. Hand and arm suspended bath and washing sponge or the like. 160,041, Sept. 5.
Virneburg, George, New York, N. Y. Hand and arm suspended bath and washing sponge or the like. 160,042, Sept. 5.
Vistain, James E., Jr., and S. E. Adler, Chicago, Ill. Phonograph pickup arm. 158,029, Apr. 4.
Vistain, James E., Jr., and S. E. Adler, assignors to Admiral Corporation, Chicago, Ill. Phonograph pickup arm. 160,822, Nov. 7.
Vitale, Lidia: *See*—
Cabot, Petra, and Vitale.
Vitro Products Company, assignee: *See*—
Scott, Wilmot H.
Vitullo, James C.: *See*—
Coraccio, William, and Vitullo.
Vlautin, Alfred F., San Francisco, Calif. Automobile headlight. 159,178, June 27.
Vogel, Kurt M., Fairfield, assignor to The Vogel Manufacturing Co., Bridgeport, Conn. Container for keys or similar article. 159,179, June 27.
Vogel Manufacturing Co., The, assignee: *See*—
Vogel, Kurt M.
Vogt, Edwin M., Kalamazoo, Mich. Combined electrically vibrated massager and support. 157,306, Feb. 14.
Vo-Jul Textiles, Inc., assignee: *See*—
Ontra, Buddy.
Volpe, Nicholas A., Burbank, Calif. Clothespin. 160,446, Oct. 10.
Volupte, Inc., assignee: *See*—
Spitalny, Melvin.
Von der Lancken, Julian U., Flushing, N. Y., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing-machine cabinet. 157,926, Mar. 28.
Von Losberg, Lester W., assignor to Joe Lowe Corporation, New York, N. Y. Frozen confection. 160,447, Oct. 10.
Von Miklos, Josephine, assignor to Dermetics, Inc., New York, N. Y. Bottle. 157,451, Feb. 21.
Voorlas, Peter H., Racine, Wis. Foot treadle control for sewing machines and the like. 158,820, May 30.
Voss, Charles S., New York, N. Y. Child's costume snowsuit or the like. 158,915, June 6.
Voss, Joseph A., Denver, Colo. Bobby pin opener. 157,805, Mar. 21.
Vulcan Radiator Company, The, assignee: *See*—
Bevington, Curtis H.
O'Connor, Thomas F., Jr.
Vunck, George L., Los Angeles, Calif. Game table. 160,350, Oct. 3.
Wackerman, Charles S., assignor to The American Fabrics Company, Bridgeport, Conn. Narrow woven fabric. 158,161, Apr. 11.
Wackerman, Charles S., assignor to The American Fabrics Company, Bridgeport, Conn. Narrow woven fabric. 159,764, Aug. 15.
Wackerman, Charles S., assignor to The American Fabrics Company, Bridgeport, Conn. Narrow woven fabric. 159,765, Aug. 15.
Wadsworth Watch Case Company, The, assignee: *See*—
Conant, Arthur P.
Wagner, Anna V., Chicago, Ill. Game board. 159,453, July 25.
Wagner, Eddie B., Portland, Oreg. Earth moving vehicle. 157,452, Feb. 21.
Wagner, Franz, assignor to Ekco Products Company, Chicago, Ill. Knife or similar article. 159,702, Aug. 8.
Wagner, Franz, assignor to Ekco Products Company, Chicago, Ill. Fork or similar article. 159,703, Aug. 8.
Wagner, Franz, assignor to Ekco Products Company, Chicago, Ill. Handle for kitchen utensils or similar articles. 160,980, Nov. 21.
Wagner, Franz, assignor to Ekco Products Company, Chicago, Ill. Handle for kitchen utensils or similar articles. 160,981, Nov. 21.
Wagner, Harold A., Portland, Oreg. Scraper. 157,453, Feb. 21.
Wagner, Raymond P., Willimantic, Conn. Combination cigarette container, lighter, and ash tray. 160,287, Sept. 26.
Wagner, William A., Evergreen Park, Ill., assignor to C. C. Potter, Arlington, Va. Enclosed crib. 158,030, Apr. 4.
Waite, Ralph B., Springville, N. Y. Dispensing control closure for a container. 160,448, Oct. 10.
Wales, George F., Kenmore, N. Y. Range. 158,162, Apr. 11.
Wales, George F., Kenmore, N. Y. Range. 158,163, Apr. 11.
Wales, George F., Kenmore, N. Y. Range. 160,288, Sept. 26.
Walker, Arthur Oscar, Harrow, assignor to Playlastic Toy Company Limited, London, England. Rubber rocking toy. 156,856, Jan. 10.
Walker China Company, The, assignee: *See*—
Rudd, George.
Walker, Donald A., Kingston, Pa. Magazine stand. 160,753, Oct. 31.
Walker, George W., Detroit, Mich. Stove control panel. 159,241, July 4.
Walker, George W., Pleasant Ridge, Mich., assignor to Continental Radiant Glass Heating Corporation, New York, N. Y. Radiant heating panel for wall mounting. 157,014, Jan. 24.
Walker, George W., Pleasant Ridge, Mich., assignor to Radiant Heater Corporation, New York, N. Y. Combined portable tray and heater. 157,107, Jan. 31.
Wallace, Caroline, Los Angeles, Calif., assignor to Mayer China Company, Beaver Falls, Pa. Plate or the like. 160,449, Oct. 10.
Wallace China Company, Ltd., assignee: *See*—
Botsford, Edwin N.
Wallace Co., Inc., The, assignee: *See*—
MacCann, George A.
Wallace, Maxwell O., assignor to General Parts and Service, Lansing, Mich. Illuminable sign. 160,754, Oct. 31.
Wallance, Donald A., New York, N. Y. Chair or similar article. 156,857, Jan. 10.
Walls, George V., Littleton, Colo. Shoe heel. 157,549, Feb. 28.
Walls, George V., Littleton, Colo. Shoe sole. 157,550, Feb. 28.
Walls, George V., Littleton, Colo. Shoe sole. 157,551, Feb. 28.
Walls, George V., Littleton, Colo. Shoe heel. 157,552, Feb. 28.
Walsh, Consuelo P., Spring Valley, N. Y. Sewing accessory doll. 160,907, Nov. 14.
Walter, Florian A., Aurora, Ill. Portable electric lamp. 158,821, May 30.
Walters, Ben, Bronx, N. Y. Clip for a drapery pleater. 161,143, Dec. 5.
Walther, John, New York, N. Y. Textile fabric. 159,021, June 13.
Walther, John, Jr., New York, N. Y. Textile fabric. 161,221, Dec. 12.
Walther, John, Jr., New York, N. Y. Textile fabric. 161,222, Dec. 12.
Walther, John, Jr., New York, N. Y. Textile fabric. 161,223, Dec. 12.
Waltman, Chauncey E., Chicago, Ill., assignor to Dominion Electric Corporation. Toaster. 157,108, Jan. 31.
Waltman, Chauncey E., Chicago, Ill., assignor to Dominion Electric Corporation. Toaster. 157,109, Jan. 31.
Waltman, Chauncey E., assignor to Rock-Ola Manufacturing Corporation, Chicago, Ill. Game table. 158,822, May 30.
Waltman, Chauncey E., Chicago, assignor to E. H. Eichler, Dundee, Ill. Tray. 159,454, July 25.
Waltman, Chauncey E., assignor to Nutone Incorporated, Chicago, Ill. Door knocker. 159,455, July 25.
Waltz, Edward W., assignor to The E. O. Bulman Manufacturing Company, Inc., Grand Rapids, Mich. Display stand. 160,674, Oct. 24.
Wandel, Bronislaw, Boston, Mass. Bedclothes clamp. 159,398, July 18.
Wangelin, Richard S., assignor to Century Brass Works, Inc., Belleville, Ill. Drinking fountain. 159,565, Aug. 1.
Ward, Charles W., Los Angeles, Calif. Combination brush holder and paste dispenser. 157,307, Feb. 14.

Ward, Harold, Wilmslow, and F. Dunkerley, Helsby, England. Deodorizing unit for toilet flushing systems or the like. 160,135, Sept. 12.

Ward, John B., assignor to Corning Glass Works, Corning, N. Y. Vacuum coffee maker. 158,236, Apr. 18.

Ward, Raymond R., Brecksville, Ohio. Coin holder or similar article. 160,231, Sept. 19.

Ward, Raymond R., Brecksville, and H. A. Waters, Cleveland Heights, assignors to The Sherwin Williams Company, Cleveland, Ohio. Spraying device. 160,565, Oct. 17.

Ward, Wallace W., Bloomfield, N. J., assignor to Universal Camera Corporation, New York, N. Y. Camera. 160,351, Oct. 3.

Warner, Ernest L., Los Angeles, Calif. Box or similar article. 156,789, Jan. 3.

Warren, Doyle C., Monrovia, assignor to Chiksan Company, Brea, Calif. Adjustable swivel mounting for a nozzle. 157,806, Mar. 21.

Warren, Doyle C., Monrovia, assignor to Chiksan Company, Brea, Calif. Oil well casing head. 157,807, Mar. 21.

Warren, Fred, Forest Hills, assignor to Longines-Wittnauer Watch Co., Inc., New York, N. Y. Wrist watch case or similar article. 159,306, July 11.

Warren, Joseph, assignee: *See*—
Warren, Willard.

Warren, Lovic C., Jr., Atlanta, Ga. Frozen food box. 159,766, Aug. 15.

Warren, Northam, Jr., New Canaan, assignor to Northam Warren Corporation, Stamford, Conn. Combined bottle and cap. 158,237, Apr. 18.

Warren, Willard, Brooklyn, assignor to J. Warren, Long Island City, N. Y. Light measuring instrument housing. 156,858, Jan. 10.

Washburn Company, The, assignee: *See*—
Dennis, E. Lucian.

Washmobile Corporation, assignee: *See*—
Fisher, David.

Wasilevich, William, New York, N. Y. Stand for display and preservation of autographed spheres such as baseballs or the like. 158,699, May 23.

Wasserman, Rene D., New York, N. Y. Demonstration booth. 159,456, July 25.

Wassyng, Seymour D.: *See*—
Teague, Walter D., and Wassyng.

Waters, Harold A.: *See*—
Ward, Raymond R., and Waters.

Wathon, Stanley W., Woodside, N. Y. Combination letter opener and nail cleaner. 157,929, Mar. 28.

Watkins, Joseph R., Dover, N. J., assignor to Foster Grant Co., Inc., Leominster, Mass. Utility box or the like. 159,704, Aug. 8.

Watkins, Joseph R., Dover, N. J., assignor to Foster Grant Co., Inc., Leominster, Mass. Pair of spectacles. 161,297, Dec. 19.

Watkins, Owen W., Denver, Colo. Holder for boxes of cleansing tissues. 159,022, June 13.

Watling, Walter, Chicago, Ill. Homogenizer. 158,916, June 6.

Watson, Charles E., Oklahoma City, Okla. Ventilated metal awning. 160,043, Sept. 5.

Watson, Leland A., assignor to The Maico Company, Incorporated, Minneapolis, Minn. External battery adapter for hearing aids. 158,238, Apr. 18.

Watson, Stanley C. assignor to Raymond Laboratories, Inc., St. Paul, Minn. Hair waving clamp. 158,343, Apr. 25.

Waugh, Christopher J., Ventura, Calif. Game board. 160,675, Oct. 24.

Wayne, Phyllis, assignor to Harry Goldinger Textile Corporation, Los Angeles, Calif. Fabric. 157,308, Feb. 14.

Wayne, Phyllis, assignor to Harry Goldinger Textile Corporation, Los Angeles, Calif. Textile fabric. 158,344, Apr. 25.

Wayne, Phyllis, assignor to Harry Goldinger Textile Corporation, Los Angeles, Calif. Textile fabric. 158,345, Apr. 25.

Wayne, Phyllis, assignor to Harry Goldinger Textile Corporation, Los Angeles, Calif. Textile fabric. 158,346, Apr. 25.

Wayne, Phyllis, assignor to Harry Goldinger Textile Corporation, Los Angeles, Calif. Textile fabric. 158,347, Apr. 25.

Wayne, Phyllis, assignor to Harry Goldinger Textile Corporation, Los Angeles, Calif. Textile fabric. 159,023, June 13.

Wayne, Phyllis, assignor to Harry Goldinger Textile Corporation, Los Angeles, Calif. Textile fabric. 159,024, June 13.

Wayne, Phyllis, assignor to Harry Goldinger Textile Corporation, Los Angeles, Calif. Textile fabric. 159,025, June 13.

Wearing, Dorothy C., Chicago, Ill. Child's shoe tree. 160,755, Oct. 31.

Weatherhead Company, The, assignee: *See*—
Szitar, John E.

Weaver, Earl J., Jr., Coral Gables, Fla. Combined straw and napkin holder. 159,113, June 20.

Webber, Carl B., Winston-Salem, N. C. Glass washing machine. 160,756, Oct. 31.

Wedemeyer, Eric, Floral Park, assignor to Hamilton Art Metal Corporation, New York, N. Y. Combined ash tray and snuffer. 160,676, Oct. 24.

Wedemeyer, Eric, Floral Park, assignor to Hamilton Art Metal Corporation, New York, N. Y. Combined ash tray and snuffer. 160,823, Nov. 7.

Wedemeyer, Eric, Floral Park, assignor to Hamilton Art Metal Corporation, New York, N. Y. Combined ash tray and snuffer. 160,824, Nov. 7.

Wedemeyer, Eric, Floral Park, assignor to Hamilton Art Metal Corporation, New York, N. Y. Combined ash tray and snuffer. 160,825, Nov. 7.

Weeber, Marion, assignor to National Silver Company, New York, N. Y. Spoon or similar article of flatware. 159,876, Aug. 22.

Wegener, Thure H., Laurence Harbor, N. J. Automobile warning light or similar article. 159,566, Aug. 1.

Wegner, Arnold, deceased, New York, N. Y.; H. M. Wegner, administrator of said A. Wegner. Foldable clothes rack. 159,026, June 13.

Wegner, Hans M., administrator: *See*—
Wegner, Arnold.

Wehner Engineering Company, assignee: *See*—
Wehner, William C.

Wehner, William C., Grosse Pointe, Mich., assignor to Wehner Engineering Company. Lawn sprinkler. 159,180, June 27.

Weickers, Charles W.: *See*—
Kongieser, Harold G., and Weickers.

Weil Ceramics & Glass, Inc., assignee: *See*—
Strauss, Joseph.

Weill, Milton, New York, N. Y. Jewelry box. 160,677, Oct. 24.

Weill, Milton, New York, N. Y. Jewelry box. 160,678, Oct. 24.

Weinberg, Paul, Los Angeles, Calif. Glove holding attachment for handbags or the like. 159,114, June 20.

Weinberg, Paul, Los Angeles, Calif. Glove holding attachment for handbags or the like. 159,115, June 20.

Weinberg, Paul, Los Angeles, Calif. Glove holding attachment for handbags or the like. 159,116, June 20.

Weinberg, Paul, Los Angeles, Calif. Glove holding attachment for handbags or the like. 159,117, June 20.

Weinberg, Paul, Los Angeles, Calif. Glove holding attachment for handbags or the like. 159,118, June 20.

Weinberg, Paul, Los Angeles, Calif. Glove holding attachment for handbags or the like. 159,119, June 20.

Weinberg, Paul, Los Angeles, Calif. Glove holding attachment for handbags or the like. 159,120, June 20.

Weinberg, Sol, New York, N. Y. Textile fabric. 157,309, Feb. 14.

Weinberg, Sol, New York, N. Y. Textile fabric. 158,164, Apr. 11.

Weinberg, Sol, New York, N. Y. Reversible fabric. 158,424, May 2.

Weinberg, Sol, New York, N. Y. Textile fabric. 159,121, June 20.

Weinberg, Sol, New York, N. Y. Textile fabric. 159,122, June 20.

Weinreich Brothers Company, assignee: *See*—
Fath, Jacques.

Weinstein, George, New York, N. Y. Combined handbag and umbrella holder. 159,767, Aug. 15.

Weir, William J., Miami, Fla. Game board. 158,823, May 30.

Weir, William J., Miami, Fla. Game piece. 159,941, Aug. 29.

Weisbecker, Frank G., Glenside, Pa. Stocking. 158,824, May 30.

Weiss, Jacob M., Brooklyn, N. Y. Combination pencil, ball pen, and flashlight. 160,757, Oct. 31.

Weiss, Joan, New York, N. Y. Combined bobby pin and perfume holder. 160,232, Sept. 19.

Weiss, Joan, New York, N. Y. Combined bobby pin and perfume holder. 161,071, Nov. 28.

Weiss, Joseph, Maplewood, assignor to Tessler & Weiss, Inc., Newark, N. J. Gem setting or similar article. 158,425, May 2.

Weiss, Julius, Arlington, Mass. Garment hanger. 161,400, Dec. 26.

Weiss, Leo W.: *See*—
Sprung, Abraham, and Weiss.

Weissinger, Herbert F.: *See*—
Lindbergh, Howard V., and Weissinger.

Weisz, Sándor, Budapest, Hungary. Child's shoe. 157,220, Feb. 7.

Weld, Beatrice, Venice, Calif. Figurine. 160,233, Sept. 19.

Welden, William A., Stamford, Conn., assignor to Revere Copper and Brass Incorporated, Rome, N. Y. Teakettle. 159,307, July 11.

Weldon, Leo L., Los Angeles, Calif. Parachute toy. 158,700, May 23.

Welk, Lawrence, River Forest, Ill. Lunch box. 157,110, Jan. 31.

Wells, Earl H., Detroit, Mich. Locomotive toy. 158,533, May 9.

Wells Lamont Corporation, assignee: *See*—
Wells, William O., Jr.

Wells, Raymond L., Attleboro, assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting or the like. 158,701, May 23.

Wells, William O., Jr., Kenilworth, assignor to Wells Lamont Corporation, Chicago, Ill. Textile fabric or similar article. 156,926, Jan. 17.

Welsh Manufacturing Company, assignee: *See*—
Lindblom, Frank W.

Welt, David I., Bronx, assignor to The American Products Company, New York, N. Y. Camera tripod panhead. 160,136, Sept. 12.
Wendelin, Rudolph A., Arlington, Va., and E. O. Kamm, Washington, D. C. Doll. 158,702, May 23.
Wendling, Mildred L., Portland, Oreg. Spoon. 161,224, Dec. 12.
Wengen, Henry R.: *See*—
Becker, Stephen P., and Schoonmaker.
Wenkstern, Russell L., assignor to Moulded Products, Inc., Spring Park, Minn. Training seat or chair. 157,111, Jan. 31.
Wentz, Harry C., Jr., assignor to Central Hood and Container Corporation, St. Louis, Mo. Preformed bottle hood. 157,714, Mar. 14.
Wesche, Arthur C., Bridgeport, Conn., assignor to General Electric Company. Air register grille plate or similar article. 156,790, Jan. 3.
Wesche, Arthur C., Bridgeport, Conn., assignor to General Electric Company. Merchandising display cabinet or similar article. 158,534, May 9.
Wesel Manufacturing Company, assignee: *See*—
Green, Daniel C.
Wessel Bedding Company, assignee: *See*—
Maddux, Forrest E., Sr.
West Bend Aluminum Co., assignee: *See*—
Finch, Leonard E.
Kircher, Ralph N., and Finch.
Westcamp, Leslie L., Fair Oaks, Calif. Combination bench and seesaw plank. 158,703, May 23.
Wested, Valborg M., assignor to Edgar C. Hyman Co. Inc., New York, N. Y. Scarf. 157,221, Feb. 7.
Western Electric Company, Incorporated, assignee: *See*—
Barber, Robert R., and Raetsch.
Western Iron and Body Works, assignee: *See*—
Iversen, Roderick M.
Westernacher, Fritz, New York, N. Y. Merchandise display stand or similar article. 160,234, Sept. 19.
Westinghouse Electric Corporation, assignee: *See*—
Izzi, Edmund L., Hill, and Lee.
Koch, Gustav H.
Kruck, Ralph E.
Little, John M.
Naiden, Anthony.
Perl, Frederick W.
Westmore, Ernest H., North Hollywood, Calif. Eyebrow stencil. 161,144, Dec. 5.
Weston Electrical Instrument Corporation, assignee:: *See*—
Williams, Alexander T.
Williams, Alexander T., and Huber.
Weston, Doris A., Larchmont, and N. J. Newman, assignors to Mojud Hosiery Co., Inc., Long Island City, N. Y Drying rack. 159,123, June 20.
Westrate, Ada, Chicago, Ill., assignor, by mesne assignments, to The Buxbaum Company, Canton, Ohio. Rubber mat or similar article. 161,225, Dec. 12.
Westrate, Ada, Chicago, Ill., assignor, by mesne assignments, to The Buxbaum Company, Canton, Ohio. Rubber mat or similar article. 161,226, Dec. 12.
Wettlaufer, William L., Buffalo, N. Y. Therapeutic exercising seat. 157,310, Feb. 14.
Wetzig, Ernest L., Clint, Tex. Fruit picker. 160,289, Sept. 26.
Weynand, Paul, San Antonio, Tex. Combination tool. 158,629, May 16.
Wheeler, Earl A., Bakersfield, Calif., G. L. Wheeler, administratrix of said E. A. Wheeler, deceased. Towel rack. 157,015, Jan. 24.
Wheeler, Gertrude L., administratrix: *See*—
Wheeler, Earl A.
Wheeler, James T., Atlanta, Ga. Stroller. 161,227, Dec. 12.
Wheeler, Lawrance A., Arlington, Va., Finger ring. 157,454, Feb. 21.
Wheeler, Leonard A., Los Angeles, assignor to Alfred M. Lewis, Incorporated, Riverside, Calif. Card index box. 157,455, Feb. 21.
Wheeler, Lillian M.: *See*—
Jones, Amos L., and Wheeler.
Wheeler, Pearl I., Los Angeles, Calif. Doll. 157,222, Feb. 7.
Whetstone, Fred W., Salem, Oreg. Game board. 159,124, June 20.
Whitcomb, Charles E., Bayside, N. Y. Combined candy and doll package. 156,791, Jan. 3.
White, Constance R., Beverly Hills, Calif. Spectacled toy figure or the like. 158,704, May 23.
White, Denis F., Indianapolis, Ind. Radio receiving set. 158,165, Apr. 11.
White, Holman D., Hamden, Conn., assignor to Parva Products Company, Chicago, Ill. Buckle. 157,808, Mar. 21.
White, Holman D., Hamden, Conn., assignor to Parva Products Company, Chicago, Ill. Buckle. 157,809, Mar. 21.
White, Holman D., Hamden, Conn., assignor to Parva Products Company, Chicago, Ill. Buckle frame. 157,810, Mar. 21.
White, Holman D., Hamden, Conn., assignor to Parva Products Company, Chicago, Ill. Buckle. 157,811, Mar. 21.
White, Holman D., Hamden, Conn., assignor to Parva Products Company, Chicago, Ill. Buckle. 157,812, Mar. 21.
White, Holman D., Hamden, Conn., assignor to Parva Products Company, Chicago, Ill. Buckle frame. 157,813, Mar. 21.
White, Holman D., Hamden, Conn., assignor to Parva Products Company, Chicago, Ill. Buckle. 157,814, Mar. 21.
White, Holman D., Hamden, Conn., assignor to Parva Products Company, Chicago, Ill. Buckle. 157,815, Mar. 21.
White, Holman D., Hamden, Conn., assignor to Parva Products Company, Chicago, Ill. Buckle. 157,816, Mar. 21.
White, Holman D., Hamden, Conn., assignor to Parva Products Company, Chicago, Ill. Buckle frame. 157,817, Mar. 21.
White, James E., Los Angeles, Calif. Table. 157,649, Mar. 7.
White, Joseph N.: *See*—
King, Jay F., and White.
White, Joseph N., Atlanta, and J. F. King, Marietta, assignors to The Atlanta Stove Works, Inc., Atlanta, Ga. Gas heater. 158,348, Apr. 25.
White, Joseph N., Atlanta, and J. F. King, Marietta, assignors to The Atlanta Stove Works, Inc., Atlanta, Ga. Gas heater. 160,044, Sept. 5.
White, Murray, Brookline, assignor to Murray White Co., Inc., Boston, Mass. Lady's dress. 157,650, Mar. 7.
White, Murray, Co., Inc., assignee: *See*—
White, Murray.
White, Paul W., New Haven, Conn., assignor to Parva Products Company, Chicago, Ill. Toy crossbow. 157,223, Feb. 7.
White, Paul W., New Haven, Conn., assignor to Parva Products Company, Chicago, Ill. Toy crossbow. 157,224, Feb. 7.
White Rose Jewelry Manufacturing Co., Inc., assignee: *See*—
Kaufman, Murray A.
White, Stevenson, Owings Mills, Md. Strip dispenser. 161,072, Nov. 28.
White, Thomas J., Kirkwood, Mo. Egg beater. 156,792, Jan. 3.
White, William, Providence, J. T. Keenan, trustee in bankruptcy of said W. White, assignor to S. Jacobs, Cranston, R. I. Tie holder or similar article. 157,651, Mar. 7.
Whitehead, James F., Jr.: *See*—
Meyer, Carl X., and Whitehead, Jr.
Whitehurst, Earl M., Portsmouth, Va. Airplane kite. 157,652, Mar. 7.
Whiteman, Marvin E., Los Angeles, Calif. Dump truck. 159,877, Aug. 22.
Whitfill, Elton F., and H. J. Talge, assignors to J. C. Hockery, Kansas City, Mo., as trustee. Vegetable slicer. 160,982, Nov. 21.
Whiting Corporation, assignee: *See*—
Hammond, Thomas L.
Whiting, Josephine M., Washington, D. C. Deck of playing cards. 159,878, Aug. 22.
Whitlock, Edwin L.: *See*—
Shelton, Irving, and Whitlock.
Whitmer, Evelyn T., Phoenix, Ariz. Lamp shade. 157,016, Jan. 24.
Whitnah, Donald S.: *See*—
How, Roger F., and Whitnah.
Whitney, Minna R., Upperville, Va. Hobbyhorse or similar article. 159,705, Aug. 8.
Whyte, Daniel D., Brooklyn, N. Y. Container for cream soap or the like. 160,826, Nov. 7.
Wiechman, Henry C.: *See*—
Forrest, Preston J., and Wiechman.
Wiedman, George P., North Tonawanda, N. Y. Lawn guide. 160,908, Nov. 14.
Wiesen, Alex, New York, N. Y. Utility box. 157,311, Feb. 14.
Wiggings, Walter, Jr., Washington, D. C. Undersea salvaging vessel. 160,045, Sept. 5.
Wiinikka, Raymond, Grand Rapids, Mich. Artificial fishing lure. 158,349, Apr. 25.
Wilbert Manufacturers Association, assignee: *See*—
Haase, Wilbert W.
Wilcher, Abrasha, assignor to M. J. and S. Z. Gordon, and N. G. Stone, doing business as Manchester Hosiery Mills, Manchester, N. H. Lady's stocking. 159,027, June 13.
Wilcher, Abrasha, assignor to M. J. and S. Z. Gordon, and N. G. Stone, doing business as Manchester Hosiery Mills, Manchester, N. H. Lady's stocking. 159,028, June 13.
Wilcher, Abrasha, assignor to M. J. and S. Z. Gordon, and N. G. Stone, doing business as Manchester Hosiery Mills, Manchester, N. H. Lady's stocking. 159,029, June 13.
Wilcher, Abrasha, assignor to M. J. and S. Z. Gordon, and N. G. Stone, doing business as Manchester Hosiery Mills, Manchester, N. H. Lady's stocking. 159,030, June 13.
Wilcher, Abrasha, assignor to M. J. and S. Z. Gordon, and N. G. Stone, doing business as Manchester Hosiery Mills, Manchester, N. H. Lady's stocking. 159,031, June 13.
Wilcox, Charles P., Mansfield, Ohio, assignor to Spiegel, Inc. Tire. 158,031, Apr. 4.
Wilcox, Elizabeth L., Chicago, Ill. Paper money clip. 159,706, Aug. 8.
Wilcox, George H.: *See*—
Eder, John F., and Wilcox.
Wilcox, Ray C., Culver City, and B. H. Dalton, Los Angeles, assignors to Fearless Camera Company, Incorporated, Culver City, Calif. Base for tripods. 160,679, Oct. 24.

Wilcox, Ray C., Culver City, and B. H. Dalton, Los Angeles, assignors to Fearless Camera Company, Incorporated, Culver City, Calif. Tripod. 160,680, Oct. 24.

Wilcox, Ray C., Culver City, and B. H. Dalton, Los Angeles, assignors to Fearless Camera Company, Incorporated, Culver City, Calif. Pedestal for cameras. 160,681, Oct. 24.

Wild, Edward, West Hartford, assignor to The Fuller Brush Company, Hartford, Conn. Combination eraser and brush. 160,983, Nov. 21.

Wild, Edward, West Hartford, assignor to The Fuller Brush Company, Hartford, Conn. Combination eraser and brush. 160,984, Nov. 21.

Wildstein, Fred: *See*—
D'Ambrosio, Angelo, Hiss, and Wildstein.

Wilk, Edward D., Elmwood Park, assignor to Wilket Toy Corporation, Chicago, Ill. Toy electric motor. 158,705, May 23.

Wilkerson, Carl, Arcata, Calif. Bowl. 161,228, Dec. 12.

Wilket Toy Corporation, assignee: *See*—
Wilk, Edward D.

Wilkin, Lewis G., Cincinnati, and R. F. Spiller, Urbana, Ohio, said Spiller assignor to said Wilkin. Parking lot meter. 157,930, Mar. 28.

Wilks, Pauline, Oakland, Calif. Vanity hamper. 156,793. Jan. 3.

Will & Baumer Candle Co., Inc., assignee: *See*—
Sears, Cleo V.

Will, Elizabeth, Washington, D. C., assignor to the United States of America as represented by the Secretary of the Army. Military insignia or similar article. 159,879, Aug. 22.

Will, Elizabeth, Washington, D. C., assignor to the United States of America as represented by the Secretary of the Army. Military emblem or similar article. 159,880, Aug. 22.

Will, Elizabeth, Washington, D. C., assignor to the United States of America as represented by the Secretary of the Army. Military emblem or similar article. 160,290, Sept. 26.

Will, Elizabeth, Washington, D. C., assignor to the United States of America as represented by the Secretary of the Army. Military insigne or similar article. 160,291, Sept. 26.

Will, Elizabeth, and A. E. Du Bois, Washington, D. C., assignors to the United States of America as represented by the Secretary of the Army. Badge or similar article. 160,909, Nov. 14.

Willaert, Oscar, Detroit, Mich. Game board. 158,032, Apr. 4.

Williams, Alexander T., Westfield, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Incident light adapter for photoelectric exposure meters. 160,827, Nov. 7.

Williams, Alexander T., Westfield, and P. Huber, Hillside, assignors to Weston Electrical Instrument Corporation, Newark, N. J. Photoelectric exposure meter. 160,292, Sept. 26.

Williams, Caryl F., La Canada, assignor to Brown-Jordan Co., Pasadena, Calif. Chair. 157,225, Feb. 7.

Williams, Caryl F., La Canada, assignor to Brown-Jordan Co., Pasadena, Calif. Table. 157,226, Feb. 7.

Williams, Charlie L., assignor to Liberty Hosiery Mills, Inc., Liberty, N. C. Stocking. 160,450, Oct. 10.

Williams, Daniel J., Fairfield, assignor to Connecticut Tool & Engineering Company, Bridgeport, Conn. Filing machine or the like. 156,859, Jan. 10.

Williams, Harvey A., Davison, Mich. Gun sight. 161,073, Nov. 28.

Williams, Harry A.: *See*—
Fox, Florian J., Williams, and Sherman, Jr.

Williams, Mary I., Parma, Ohio. Broiler unit. 158,535, May 9.

Williams, Philip M., Oakland, assignor, by mesne assignments, to The Canal National Bank of Portland, and W. B. Nulty, Portland, Maine, as trustees. Fruit pack. 159,399, July 18.

Williams, Sylvan K., assignor to Clearfield Furs, Inc., Clearfield, Pa. Lamp standard. 156,927, Jan. 17.

Williams, Wayne G., and J. C. McGinnis, Chicago, Ill. Glare shade or similar article. 158,630, May 16.

Williams, William G., Anaheim, Calif. Tie rack. 158,166, Apr. 11.

Williams, Willis E., Shelbyville, and E. W. Harrison, Indianapolis, Ind., assignors to Chambers Corporation. Backsplash panel for a cooking range. 160,985, Nov. 21.

Williams, Willis E., Shelbyville, and E. W. Harrison, Indianapolis, Ind., assignors to Chambers Corporation. Backsplash panel for a cooking range. 160,986, Nov. 21.

Williamson, Ellen, assignor to Knitmark Inc., Princeton, N. J. Knitting needle. 157,818, Mar. 21.

Williamson, Ellen, assignor to Knitmark Inc., Princeton, N. J. Knitting needle. 157,819, Mar. 21.

Williamson, Ellen, assignor to Knitmark Inc., Princeton, N. J. Knitting needle. 157,820, Mar. 21.

Williamson, Ellen, assignor to Knitmark Inc., Princeton, N. J. Knitting needle. 157,821, Mar. 21.

Williamson, Gordon M., assignee: *See*—
Chance, Charles W.

Wills, Bernard F., Brooklyn, assignor to United States Rubber Company, New York, N. Y. Undercarpet padding. 157,456, Feb. 21.

Wills, Walter P., Philadelphia, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Casing for measuring and controlling instruments. 158,239, Apr. 18.

Willys-Overland Motors, Inc., assignee: *See*—
De Smet, Edgard C.

Wilmot Castle Company, assignee: *See*—
Greppin, Ernest H.

Wilner, David H., Los Angeles, Calif. Figure toy. 161,229, Dec. 12.

Wilson, Charles R.: *See*—
Ingham, Herbert S., and Wilson.

Wilson, Everette L., Kansas City, Mo. Iron holders. 158,426, May 2.

Wilson, Lawrence H., Detroit, assignor to Motor Wheel Corporation, Lansing, Mich. Cabinet for a heater or the like. 161,145, Dec. 5.

Wilson, Lawrence H., Detroit, assignor to Motor Wheel Corporation, Lansing, Mich. Cabinet for a heater or the like. 161,146, Dec. 5.

Wilson, Lawrence H., Detroit, assignor to Motor Wheel Corporation, Lansing, Mich. Cabinet for a heater or the like. 161,147, Dec. 5.

Wilson, Robert R.: *See*—
Du Bois, Arthur E., and Wilson.

Wilson, Rosa B., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Glove. 160,235, Sept. 19.

Wimmer, Glen E., Chicago, Ill. Pencil sharpener. 159,400, July 18.

Winborn, Byron R., Jr., assignor to Manitowoc Shipbuilding Company, Manitowoc, Wis. Dry cleaner. 157,931, Mar. 28.

Wince, Vearl S., Newark, Ohio, assignor to Holophane Company, Inc., New York, N. Y. Luminaire of the wall mounted type. 158,917, June 6.

Wincharger Corporation, assignee: *See*—
Budlong, Robert D.

Wingo, Harvey R., San Diego, Calif. Ash tray. 156,794, Jan. 3.

Winn, Edward L., Kansas City, Mo. Combined watch bracelet and watch. 158,918, June 6.

Winter, Louis, assignor of one-third to A. D. Folgeman, Los Angeles, Calif., and one-third to H. J. Lewison, New York, N. Y. Display cabinet. 158,825, May 30.

Wintergreen, Charles J., Chicago, and L. C. Oliver, Villa Park, Ill. Cat or similar article. 158,826, May 30.

Wintrich, Evelyn, Bronx, assignor to Hess, Goldsmith & Co., Inc., New York, N. Y. Textile fabric or similar article. 160,236, Sept. 19.

Wirklich, Abraham, New York, N. Y. Handbag. 158,167, Apr. 11.

Wirth, Carl, & Son, Inc., assignee: *See*—
Engel, Paul R.

Wise, Homer J.: *See*—
Huber, John R., and Wise.

Wise, Raleigh J., Arlington, R. D. Parrott, West New York, and G. H. Ridings, Summit, N. J. Facsimile transmitter. 160,046, Sept. 5.

Wise, Raleigh J., Arlington, R. D. Parrott, West New York, and G. H. Ridings, Summit, N. J. Facsimile transmitter. 160,048, Sept. 5.

Witte-Toledo Company, The, assignee: *See*—
Vavrik, Louis.

Witz, Bernard G., and H. Chaskin, Brooklyn, N. Y. Kiddy rack. 160,047, Sept. 5.

Wiz Novelty Corporation, assignee: *See*—
Pearman, Wray P.

Wohl & Company, Inc., assignee: *See*—
Caldwell, Helen L.

Wohl, L., & Company, Inc., assignee: *See*—
De Martino, Marie G.

Wolcott, Glenn W., assignor to Penn Aircraft Products, Incorporated, Dayton, Ohio. Tube cutter. 158,536, May 9.

Wolf, Bern, Los Angeles, Calif. Toy figure. 157,457, Feb. 21.

Wolf, Semon, New York, N. Y. Slip. 156,795, Jan. 3.

Wolf, Semon, New York, N. Y. Slip. 156,796, Jan. 3.

Wolf, Semon, New York, N. Y. Slip. 157,112, Jan. 31.

Wolf, Semon, New York, N. Y. Slip. 157,113, Jan. 31.

Wolf, Stanford J., San Mateo, Calif., assignor to Schenley Industries, Inc., New York, N. Y. Bottle. 160,566, Oct. 17.

Wolfe, Arthur D., Bellevue, Ohio, assignor to The Bellevue Manufacturing Company. Bicycle wheel hub ornament. 157,822, Mar. 21.

Wolfe, Menahem M., Los Angeles, Calif. Multiple memorandum pad holder. 157,715, Mar. 14.

Wolfe, Ralph M.: *See*—
Goodman, Harry, and Wolfe.

Wolfe, Russell J., Buffalo, N. Y. Stocking stretcher. 157,017, Jan. 24.

Wolfenden, John W., Attleboro, Mass. Combined cigarette and match container. 159,567, Aug. 1.

Wolfenden, John W., Attleboro, Mass. Combined cigarette and match container. 159,568, Aug. 1.

Wolfenden, John W., Attleboro, Mass. Key chain. 160,237, Sept. 19.

Wolfenden, John W., Attleboro, Mass. Vest chain or similar article. 161,074, Nov. 28.

Wolff, Joseph, New York, N. Y. Scarf holder or similar article. 158,919, June 6.

Wolff, Saul K., Long Beach, N. Y. Corner shelf or similar article. 159,570, Aug. 1.
Wolford, Claude L., Los Angeles, Calif. Kite. 160,910, Nov. 14.
Wolter, Otto E., assignor to Dr. Ritholz & Sons Company, Chicago, Ill. Spectacle endpiece. 159,032, June 13.
Woock, Walter R. J., Lodi, Calif. Produce basket. 158,631, May 16.
Woock, Walter R. J., Lodi, Calif. Shipping basket. 158,827, May 30.
Wood, Carlos C. : *See*—
Douglas, Donald W., Brown, and Wood.
Wood, Edward L., Detroit, Mich. Safety automobile headlight lens. 158,240, Apr. 18.
Wood, John, Manufacturing Company, Inc., assignee: *See*—
Martin, Earnest E.
Wood, Kenneth A., South Euclid, and M. Panich, Willoughby, Ohio, assignors to Bailey Meter Company. Regulator. 159,457, July 25.
Wooden, Charles K., Burbank, Calif. Caddy-cart clip for holding cigarettes, golf tees, or the like. 156,928, Jan. 17.
Woodhouse, William H., Mount Vernon, assignor to Acme Laces, Inc., New York, N. Y. Lace. 156,797, Jan. 3.
Wooster Rubber Company, The, assignee: *See*—
Breneman, Joseph C.
Caldwell, James R.
Worcester, Thea, Chicago, Ill. Toilet kit. 160,238, Sept. 19.
Wormeck, Herbert A., and F. P. Hess, assignors to The Enterprise Manufacturing Co., Philadelphia, Pa. Food chopper. 157,553, Feb. 28.
Wortman, Carl D., Coshocton, Ohio. Fishing pole holder. 157,716, Mar. 14.
Wright, Cornelius B., Fort Worth, Tex., assignor to Southern Air Conditioning Mfg. Co. Portable air cooling device. 157,824, Mar. 21.
Wright, Earl R., Comanche, Tex. Watch band. 160,828, Nov. 7.
Wright, Mary S., New York, N. Y. Ice-box dish. 157,823, Mar. 21.
Wright, Mary S., New York, N. Y. Plate. 158,350, Apr. 25.
Wright, Philip O., assignor to Packard Motor Car Company, Detroit, Mich. Lamp casing or similar article. 156,798, Jan. 3.
Wrigley, Wm., Jr., Company, assignee: *See*—
Babcock, George.
Wuestman, Joseph V., Unionville, N. J. Advertising pencil. 159,125, June 20.
Wupperman, Alfred O., Galveston, Tex. Building. 158,427, May 2.
Wurtz, Albert E., Whittier, Calif. Trouser hanger. 161,401, Dec. 26.
Wyatt, De Witt H., Columbus, Ohio. Heater. 159,242, July 4.
Wylie, Dale, Cleveland Heights, Ohio. Mug or similar article. 160,567, Oct. 17.
Wyman, Clarence E.: *See*—
McNair, Samuel L., and Wyman.
Wynn, George M., Atlanta, Ga., assignor to The Auto-Soler Company. Shoe repair machine unit. 158,920, June 6.
Wynn, George M., Atlanta, Ga., assignor to The Auto-Soler Company. Counter unit. 158,921, June 6.
Yale & Towne Manufacturing Company, The, assignee: *See*—
Rolph, Samuel F.
Yankee Metal Products Corporation, assignee: *See*—
Daon, Rene.
Yarbrough, Delton D., Fort Stockton, Tex. Belt buckle. 159,033, June 13.
Yates, George, Glendale, Calif. Apparatus for automatically exposing sensitized plates for X-ray photography. 160,239, Sept. 19.
Yates, George, Glendale, Calif. Apparatus for automatically exposing sensitized plates for X-ray photography. 160,240, Sept. 19.
Yee, Ching-Chih, assignor to Castleton China Incorporated, New York, N. Y. Plate or the like. 157,554, Feb. 28.
Yellin, Bernard, Chicago, Ill. Combined plant receptacle and support. 161,230, Dec. 12.
Yereb, Louis A., St. Louis, Mo. Combination ash tray, glass, and bottle holder. 160,911, Nov. 14.
Young, Archibald C., St. Louis, Mo. Educational toy automobile. 161,148, Dec. 5.
Young, George W., Seattle, Wash. Pounding toy. 159,034, June 13.
Young, Heraldo R., Phoenix, Ariz. Brooch or similar article. 159,126, June 20.
Young, Stephen A., Delphi, Ind. Sink faucet shell. 157,018, Jan. 24.
Young, Stephen A., Delphi, Ind. Sink faucet shell. 157,019, Jan. 24.
Young, Stephen A., Delphi, Ind. Faucet handle. 157,312, Feb. 14.
Youngquist, Theodore I., Loup City, Nebr. Display rack. 160,451, Oct. 10.
Young's Rubber Corporation, assignee: *See*—
Sherman, Marvin.
Yourek, John, Chicago, Ill. Toothbrush. 159,569, Aug. 1.
Yuletide Bonus Stamp Company, assignee: *See*—
Stayton, Ralph W.
Yutzey, Marvin G., assignor to Fostoria Glass Company, Moundsville, W. Va. Cake plate. 156,799, Jan. 3.
Yutzey, Marvin G., assignor to Fostoria Glass Company, Moundsville, W. Va. Goblet. 156,800, Jan. 3.
Yutzey, Marvin G., assignor to Fostoria Glass Company, Moundsville, W. Va. Candy jar. 156,929, Jan. 17.
Yutzey, Marvin G., assignor to Fostoria Glass Company, Moundsville, W. Va. Bowl. 157,114, Jan. 31.
Yutzey, Marvin G., assignor to Fostoria Glass Company, Moundsville, W. Va. Candelabra. 159,768, Aug. 15.
Yutzey, Marvin G., assignor to Fostoria Glass Company, Moundsville, W. Va. Goblet. 160,352, Oct. 3.
Yutzey, Marvin G., assignor to Fostoria Glass Company, Moundsville, W. Va. Goblet. 160,353, Oct. 3.
Yutzey, Marvin G., assignor to Fostoria Glass Company, Moundsville, W. Va. Goblet. 160,354, Oct. 3.
Yutzey, Marvin G., assignor to Fostoria Glass Company, Moundsville, W. Va. Goblet. 160,355, Oct. 3.
Yutzey, Marvin G., assignor to Fostoria Glass Company, Moundsville, W. Va. Sherbet glass. 160,356, Oct. 3.
Yutzey, Marvin G., assignor to Fostoria Glass Company, Moundsville, W. Va. Goblet. 160,452, Oct. 10.
Yutzey, Marvin G., assignor to Fostoria Glass Company, Moundsville, W. Va. Oval bowl. 160,829, Nov. 7.
Zabel, Karl, Ephrata, Pa. Stocking. 158,828, May 30.
Zabel, William C. P., and R. C. Helfenbein, assignors to Plasmetl Corporation, Chicago, Ill. Bread tray. 158,033, Apr. 4.
Zagel, Samuel J., Chicago, Ill. Automobile air deflector. 160,049, Sept. 5.
Zagray, Harold F., assignor to The Stark Brick Company, Canton, Ohio. Modular triangle. 157,458, Feb. 21.
Zaikaner, Herman Samuel, New York, N. Y. Container. 156,860, Jan. 10.
Zaima, Tomojiro, and K. Ichikawa, Tokyo, Japan, assignors to Hwa Mei Trading Corp., New York, N. Y. Table lighter. 158,706, May 23.
Zalonis, Victor, Cranford, assignor to Pyro Plastics Corporation, Union, N. J. Garment hanger. 158,922, June 6.
Zapolski, Benjamin J., New York, assignor to Electronation Engineering Co., Long Island City, N. Y. Intercommunication unit or the like. 159,458, July 25.
Zarbock, Lawrence G., assignor to Standard-Thomson Corporation, Dayton, Ohio. Rotatable casement window adjuster. 160,682, Oct. 24.
Zeglen, Magdalene B., Minneapolis, Minn. Ribbon holder. 156,801, Jan. 3.
Zekowski, Siegmund, Far Rockaway, N. Y. Combined carving board and juice receiver. 159,881, Aug. 22.
Zelchenko, Henry L., Shrub Oak, N. Y. Lamp. 157,459, Feb. 21.
Zelniker, Idisore, New York, N. Y. Beret. 161,402, Dec. 26.
Zendman, Isaac, III, assignee: *See*—
Farnsworth, Herbert.
Zenith Radio Corporation, assignee: *See*—
Budlong, Robert D.
Budlong, Robert D., and De Young.
Condon, William J.
De Young, Jack.
Emde, Kurt.
Emde, Kurt, and Steglich.
Steinke, Carl J.
Zenner, Bernard J. and I., New York, N. Y. Combination picture frame and album. 160,758, Oct. 31.
Zenner, Ingrid: *See*—
Zenner, Bernard J. and I.
Zephyr American Corp., assignee: *See*—
Gronemeyer, Eric.
Zifferer, Lothar R., York, assignor to New Standard Corporation, Mount Joy, Pa. Luggage lock. 161,149, Dec. 5.
Zim Manufacturing Company, assignee: *See*—
Berkman, Herbert A.
Zimmer, Myron J., Wood Dale, assignor to Ekco Products Company, Chicago, Ill. Stirring apparatus drive wheel. 159,942, Aug. 29.
Zimmerman, Harry, New York, N. Y. Xylophone. 158,632, May 16.
Zimmerman, Jay V., Clayton, Mo. Toy dog. 159,707, Aug. 8.
Zimmerman, Lester, assignor to Form Flex Foundations, Inc., New York, N. Y. Girdle. 158,034, Apr. 4.
Zimmerman, Lester, New York, N. Y. Combination girdle and panty. 159,401, July 18.
Zimmermann, Willy E., assignor to Standard Cap and Seal Corporation, Chicago, Ill. Vacuum packaging machine. 157,020, Jan. 24.
Zinn, Corinne A., Fort Worth, Tex. Spoon. 159,769, Aug. 15.
Ziolkowski, Walter S., Flushing, and T. Poprocki, Jamaica Estates, N. Y. Display stand. 157,260, Feb. 21.
Zippo Manufacturing Company, assignee: *See*—
Kamp, George B.
Ziskin, Manuel S., University Heights, and R. B. Billig, Erieside, assignors to Kromex Corporation, Cleveland, Ohio. Teakettle. 160,912, Nov. 14.
Ziskin, Manuel S., University Heights, and R. B. Billig, Erieside, assignors to Kromex Corporation, Cleveland, Ohio. Ice bucket or the like. 161,298, Dec. 19.
Zukin, Ernest, assignee: *See*—
Davison, Nettie.

Zukin, Sylvia, assignee: *See*—
Davison, Nettie.
Zumpe, Elsa, assignor to The G. F. Harvey Company, Saratoga Springs, N. Y. Pharmaceutical container. 157,115, Jan. 31.
Zweig, Leo, assignor to Lyons-Magnus, Inc., San Francisco, Calif. Roadside stand. 116,403, Dec. 26.
Zweig, Stanley, Elmont, N. Y. Spinning charm or the like article. 157,313, Feb. 14.
Zweig, Stanley, Elmont, N. Y. Spinning charm or the like article. 157,314, Feb. 14.
Zwingenberger, Paula, New York, N. Y. Clock jacket. 158,428, May 2.

1950

LIST OF PLANT PATENTEES

Anderson, Frederic W., Merced, Calif. Nectarine tree. 974, Aug. 22.
Anderson, Frederic W., Merced, Calif. Nectarine tree. 980, Sept. 19.
Armstrong Nurseries, Inc., assignee: *See*—
Swim, Herbert C.
Arnold-Fisher Company, assignee: *See*—
Barké, Harvey E.
Fisher, Esther G.
Barké, Harvey E., Amherst, assignor to Arnold-Fisher Company, Woburn, Mass. Rose plant. 918, Jan. 31.
Bender, George W., Jr., Wyndmoor, Pa. Carnation plant. 919, Feb. 7.
Blaser, John A., Tallavast, Fla. Dracaena plant. 982, Oct. 10.
Boerner, Eugene S., assignor to Jackson & Perkins Company, Newark, N. Y. Rose plant. 913, Jan. 24.
Boerner, Eugene S., assignor to Jackson & Perkins Company, Newark, N. Y. Rose plant. 914, Jan. 24.
Boerner, Eugene S., assignor to Jackson & Perkins Company, Newark, N. Y. Rose plant. 915, Jan. 24.
Boerner, Eugene S., assignor to Jackson & Perkins Company, Newark, N. Y. Rose plant. 926, Mar. 21.
Boerner, Eugene S., assignor to Jackson & Perkins Company, Newark, N. Y. Rose plant. 947, June 13.
Boerner, Eugene S., assignor to Jackson & Perkins Company, Newark, N. Y. Rose plant. 948, June 13.
Boerner, Eugene S., assignor to Jackson & Perkins Company, Newark, N. Y. Rose plant. 949, June 13.
Boerner, Eugene S., assignor to Jackson & Perkins Company, Newark, N. Y. Rose plant. 975, Aug. 29.
Boerner, Eugene S., assignor to Jackson & Perkins Company, Newark, N. Y. Rose plant. 978, Sept. 5.
Boerner, Eugene S., assignor to Jackson & Perkins Company, Newark, N. Y. Rose plant. 992, Nov. 28.
Bohne, Henry F., Middletown, Ohio. Philodendron plant. 990, Nov. 21.
Brady, Lee A., Tyler, Tex., assignor to The Conard-Pyle Company, West Grove, Pa. Rose plant. 932, Apr. 18.
Brownell, Josephine D., Little Compton, R. I. Rose plant. 928, Mar. 28.
Brownell, Josephine D., Little Compton, R. I. Rose plant. 942, May 23.
Brownell, Josephine D., Little Compton, R. I. Rose plant. 955, June 27.
Buhrman, George H., Watsonville, Calif. Azalea plant. 954, June 27.
Burgoyne, Philip J., Georgetown, Ill. Ivy plant. 979, Sept. 5.
Christofferson, Rowland, Mountain Home, Ark., assignor to Stark Bro's Nurseries and Orchards Company, Louisiana, Mo. Peach tree. 970, Aug. 1.
Clark, Cecil C.: *See*—
Metzger, Ludwig, and Clark.
Clarke, W. B., & Co., assignee: *See*—
Clarke, Walter B.
Clarke, Walter B., assignor to W. B. Clarke & Co., San Jose, Calif. Lilac plant. 937, Apr. 25.
Clarke, Walter B., assignor to W. B. Clarke & Co., San Jose, Calif. Flowering quince plant. 940, May 9.
Clarke, Walter B., assignor to W. B. Clarke & Co., San Jose, Calif. Flowering quince plant. 941, May 16.
Clarke, Walter B., assignor to W. B. Clarke & Co., San Jose, Calif. Lilac plant. 946, June 13.
Conard-Pyle Company, The, assignee: *See*—
Brady, Lee A.
De Vink, John.
Meilland, Francis.
Ohlhus, George.
Den Boer, Arie F., Des Moines, Iowa, assignor to J. J. Grullemans, Mentor, Ohio. Flowering crab apple tree. 939, May 9.
DePetris, Inc., assignee: *See*—
DePetris, Vincent R.
DePetris, Vincent R., Grosse Pointe Farms, Mich., assignor to DePetris, Inc. Chrysanthemum plant. 988, Nov. 21.
Dering, Eldon P., assignee: *See*—
Swim, Herbert C.
Descanso Distributors, Inc., assignee: *See*—
Lammerts, Walter E.
De Vink, John, Boskoop, Netherlands, assignor to The Conard-Pyle Company, West Grove, Pa. Rose plant. 973, Aug. 15.
De Vink, John, Boskoop, Netherlands assignor to The Conard-Pyle Company, West Grove, Pa. Rose plant. 976, Aug. 29.
Di Giorgio Fruit Corporation, assignee: *See*—
Stark, Elmer.
Duehrsen, Carl G., Montebello, assignor to C. A. Elmer, trading as Elmer Roses, San Gabriel, Calif. Rose plant. 967, July 25.
Eddie, H. M., & Sons, Ltd., assignee: *See*—
Eddie, Henry M.
Eddie, Henry M., assignor to H. M. Eddie & Sons, Ltd., Vancouver, British Columbia, Canada. Rose plant. 1,000. Dec. 19.
Elmer, Constance A., assignee: *See*—
Duehrsen, Carl G.
Elmer Roses: *See*—
Duehrsen, Carl G.
Felten, Oscar E., East Merchantville, assignor of one-half to W. T. Wilkins, Moorestown, N. J. Strawberry plant. 929, Mar. 28.
Fisher, Esther G., assignor to Arnold-Fisher Company, Woburn, Mass. Rose plant. 997, Dec. 12.
Fisher, Esther G., assignor to Arnold-Fisher Company, Woburn, Mass. Rose plant. 998, Dec. 12.
Fisher, Esther G., assignor to Arnold-Fisher Company, Woburn, Mass. Rose plant. 999, Dec. 12.
Germain's Inc., assignee: *See*—
Morris, Theodore J. and L. A.
Grullemans, John J., assignee: *See*—
Den Boer, Arie F.
Whittier, Paul R.
Hagerstrom, Carl R., assignee: *See*—
Hagerstrom, Marion.
Hagerstrom, Marion, assignor of one-half to C. R. Hagerstrom, Enfield, Minn. Strawberry plant. 993, Nov. 28.
Hartgerink, Conrad, West Los Angeles, Calif., assignor to Jackson & Perkins Company, Newark, N. Y. Rose plant. 912, Jan. 10.
Howard, Fred H., deceased, Montebello, Calif., by M. J. Howard, executrix, assignor to Howard & Smith, Montebello, Calif. Rose plant. 953, June 20.
Howard, Fred H., deceased, Montebello, Calif., by M. J. Howard, executrix, assignor to Howard & Smith, Montebello, Calif. Rose plant. 986, Nov. 7.
Howard, Fred H., deceased, Montebello, Calif., by M. J. Howard, executrix, assignor to Howard & Smith, Montebello, Calif. Rose plant. 996, Dec. 5.
Howard, Minnie J., executrix: *See*—
Howard, Fred H.
Howard, Paul J., assignor to Paul J. Howard California Flowerland, Los Angeles, Calif. Rose plant. 944, May 30
Howard, Paul J., California Flowerland, assignee: *See*—
Howard, Paul J.
Howard & Smith, assignee: *See*—
Howard, Fred H.
Huth, Roy, assignee: *See*—
Vetter, Joseph.
Inter-State Nurseries, Inc., assignee: *See*—
Swim, Herbert C.
Jackson & Perkins Company, assignee: *See*—
Boerner, Eugene S.
Hartgerink, Conrad.
Leenders, Mathieu P. H.
Le Grice, Edward B.
Moro, Luciano.
Kellogg, R. M., Company, The, assignee: *See*—
Prushek, Emil.
Kirkland, Joseph S., West Los Angeles, Calif. Bougainvillea plant. 931, Apr. 11.
Kirkman Corporation, assignee: *See*—
Kirkman, William T.
Kirkman, William T., Jr., assignor to Kirkman Corporation, Tracy, Calif. Peach tree. 920, Feb. 7.
Lammerts, Walter E., assignor, by mesne assignments, to Descanso Distributors, Inc., La Canada, Calif. Rose plant. 943, May 23.
Leenders, Mathieu P. H., Steyl-Tegelen, Netherlands, assignor to Jackson & Perkins Company, Newark, N. Y. Rose plant. 950, June 13.
Le Grice, Edward B., North Walsham, England, assignor to Jackson & Perkins Company, Newark, N. Y. Rose plant. 917, Jan. 31.
Lewis Gardens, assignee: *See*—
Lewis, Helen H.
Lewis, Helen H., assignor to Lewis Gardens, Rivera, Calif. Begonia plant. 945, May 30.
Manchester Boddy, assignee: *See*—
Lammerts, Walter E.
Martin, Allen L., Winters, Calif. Peach tree. 930, Apr. 4.
McLellan, E. W., Company, assignee: *See*—
McLellan, Roderick I., and Morrow.

McLellan, Roderick I., Hillsborough, and N. B. Morrow, San Bruno, assignors to E. W. McLellan Company, Colma, Calif. Gardenia plant. 989, Nov. 21.
Meilland, Francis, Cap Azura, Cap d'Antibes, France, assignor to The Conard-Pyle Company, West Grove, Pa. Rose plant. 911, Jan. 3.
Meilland, Francis, Cap Azura, Cap D'Antibes, France, assignor to The Conard-Pyle Company, West Grove, Pa. Rose plant. 933, Apr. 18.
Meilland, Francis, Cap Azura, Cap D'Antibes, France, assignor to The Conard-Pyle Company, West Grove, Pa. Rose plant. 934, Apr. 18.
Meilland, Francis, Cap Azura, Cap d' Antibes, France, assignor to The Conard-Pyle Company, West Grove, Pa. Rose plant. 958, July 4.
Meilland, Francis, Cap Azura, Cap d' Antibes, France, assignor to The Conard-Pyle Company, West Grove, Pa. Rose plant. 959, July 4.
Meilland, Francis, Cap Azura, Cap d' Antibes, France, assignor to The Conard-Pyle Company, West Grove, Pa. Rose plant. 960, July 4.
Meilland, Francis, Cap Azura, Cap d' Antibes, France, assignor to The Conard-Pyle Company, West Grove, Pa. Rose plant. 961, July 4.
Meilland, Francis, Cap Azura, Cap d' Antibes, France, assignor to The Conard-Pyle Company, West Grove, Pa. Rose plant. 977, Aug. 29.
Metzger, Ludwig, Seattle, and C. C. Clark, Wapato, Wash. Apple tree. 972, Aug. 15.
Moro, Luciano, Hartebeespoort, Transvaal, Union of South Africa, assignor to Jackson & Perkins Company, Newark, N. Y. Rose plant. 951, June 13.
Morris, Lillian A., administratrix: *See*—
Morris, Theodore J. and L. A.
Morris, Theodore J., deceased, by L. A. Morris, administratrix, assignor to Germain's Inc., Van Nuys, Calif. Rose plant. 922, Feb. 14.
Morris, Theodore J., deceased, by L. A. Morris, administratrix, assignor to Germain's Inc., Van Nuys, Calif. Rose plant. 923, Feb. 14.
Morrow, Norman B.: *See*—
McLellan, Roderick I., and Morrow.
Muller, Eugene, Norristown, Pa. Dogwood plant. 965, July 18.
Ohlhus, George, assignor to The Conard-Pyle Company, West Grove, Pa. Rose plant. 935, Apr. 18.
Ohlhus, George, assignor to The Conard-Pyle Company, West Grove, Pa. Rose plant. 936, Apr. 18.
Paramount Nurseries, assignee: *See*—
Swim, Herbert C.
Peterson & Dering: *See*—
Swim, Herbert C.
Pfingstl, Emmett J., Montgomery, Ala. Camellia plant. 927, Mar. 21.
Pierson, A. N., Inc., assignee: *See*—
Pierson, Wallace R., Jr.
Pierson, A. N., Incorporated, assignee: *See*—
Verschuren, Hendrikus A.
Pierson, Wallace R., Jr., assignor to A. N. Pierson, Inc., Cromwell, Conn. Rose plant. 916, Jan. 24.
Prushek, Emil, Niles, assignor to The R. M. Kellogg Company, Three Rivers, Mich. Chrysanthemum plant. 987, Nov. 7.
Rancho Del Descanso: *See*—
Lammerts, Walter E.
Reedy, Perry M., Yuba City, Calif. Peach tree. 971, Aug. 8.
Reid, Joseph P., Huntington Park, Calif. Pelargonium plant. 981, Sept. 26.
Reiter, Victor, Jr., San Francisco, Calif. Fuchsia plant. 925, Feb. 28.
Rusterholz, Katherine L., Whittier, Calif. Avocado tree. 969, July 25.
Sherwood, Lawrence W., Fullerton, Calif. Peach tree. 924, Feb. 14.
Spandikow, William L., Melrose Park, Ill., assignor to William Spandikow & Sons Co. Rose plant. 964, July 18.
Spandikow, William, & Sons Co., assignee: *See*—
Spandikow, William L.
Stark Bro's Nurseries and Orchards Company, assignee: *See*—
Christofferson, Rowland.
Stark, Elmer, Di Giorgio, assignor to Di Giorgio Fruit Corporation, San Francisco, Calif. Plum tree. 995, Nov. 28.
Stuart, C. W., & Co., assignee: *See*—
Swim, Herbert C.
Verschuren, Hendrikus A. M.
Swim, Herbert C., assignor to Armstrong Nurseries, Inc., Ontario, Calif. Rose plant. 921, Feb. 7.
Swim, Herbert C., Ontario, Calif., assignor, by mesne assignments, to Inter-State Nurseries, Inc., Hamburg, Iowa. Rose plant. 938, May 2.
Swim, Herbert C., assignor to Armstrong Nurseries, Inc., Ontario, Calif. Rose plant. 952, June 13.
Swim, Herbert C., assignor to Armstrong Nurseries, Inc., Ontario, Calif. Rose plant. 963, July 11.
Swim, Herbert C., Ontario, Calif., assignor, by mesne assignments to C. W. Stuart & Co., Newark, N. Y. Rose plant. 968, July 25.
Swim, Herbert C., assignor to Armstrong Nurseries, Inc., Ontario, Calif. Rose plant. 983, Oct. 24.
Swim, Herbert C., Ontario, Calif., assignor, by mesne assignments, to Paramount Nurseries, West Grove, Pa. Rose plant. 984, Oct. 24.
Swim, Herbert C., assignor to Armstrong Nurseries, Inc., Ontario, Calif. Rose plant. 985, Oct. 24.
Swim, Herbert C., Ontario, Calif., assignor, by means assignments, to E. P. Dering, doing business under the name and style of Peterson & Dering, Scappoose, Oreg. Rose plant. 994, Nov. 28.
Verschuren, Hendrikus A., deceased, near Uden, Netherlands, by M. T. A. Verschuren-Heynen, executrix, near Uden, Netherlands, assignor to A. N. Pierson, Incorporated, Cromwell, Conn. Rose plant. 957, June 27.
Verschuren, Hendrikus A. M., Haps, Netherlands, assignor, by mesne assignments, to C. W. Stuart & Co., Newark, N. Y. Rose plant. 991, Nov. 21.
Verschuren-Heynen, Marie T. A., executrix: *See*—
Verschuren, Hendrikus A.
Vetter, Joseph, Reedley, assignor of one-half to R. Huth, trading as West Visalia Nursery, Visalia, Calif. Peach tree. 966, July 18.
West Visalia Nursery, assignee: *See*—
Vetter, Joseph.
Whittier, Paul R., Beverly, Mass., assignor to J. J. Grullemans, Mentor, Ohio. Gaillardia plant. 962, July 11.
Wilkins, William T., assignee: *See*—
Felten, Oscar E.

1950

LIST OF ABSTRACTS OF APPLICATIONS

This list includes abstracts published in 1949

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Adkins, John N.: *See*—
Hare, Donald G. C., and Adkins.

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Agriculture, United States of America as represented by the Secretary of, assignee: *See*—
McKennon, Forrest L.
Smith, Allan K., Babcock, and Evans.
Tanner, Fred W., Jr.

Ahles, Robert D., and F. L. Bullis, Schenectady, N. Y., assignors to General Electric Company. Contact brush. Ser. No. 116,012, published Oct. 24, 1950.

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Anderson, James L.
Crowe, John J.
Slottman, George V., and Hulme.

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Lincoln, Rush A.

Allen, Charles F. H., and C. V. Wilson, Rochester, N. Y. Surface-active compounds containing a para phenylenediamine nucleus. Ser. No. 717,798, published Feb. 14, 1950.

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Rudd, James B., and Allen.

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Craig, Donald.
Rudd, James B., and Allen.

Ambuske, William J.: *See*—
De Lisle, Raymond L., and Ambuske.

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Chatterton, Robert T.

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Du Vigneaud, Vincent, Brown, and Wood.
Johnson, Frank H.

Arnone, Joseph J.: *See*—
Nixon, George M., and Arnone.

Arone, Nicholas F., Upper Darby, Pa., assignor to General Electric Company. Treating arc chutes. Ser. No. 556,257, published Sept. 13, 1949.

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Smith, Allan K., Babcock, and Evans.

Babcock, Horace W., Pasadena, Calif., assignor to the United States of America as represented by the Secretary of War. Electrical circuit. Ser. No. 604,042, published Aug. 16, 1949.

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Staff, Charles E.
Turkington, Victor H., and Schecter.

Baker Castor Oil Company, The, assignee: *See*—
Geiges, Alexander J.
Smith, Malcolm K.

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Wiens, Jacob H., and Baker.

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Batterman, Ludwig A.: *See*—
Miller, William A., Batterman, and Franklin.

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Troendly, Harry P., Becker, and Gillespie.

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Bouton, George M., and Phipps.
Egerton, Lawson.

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Bess, Leon, Boston, Mass., assignor, by mesne assignments, to the Government of the United States of America as represented by the Secretary of War. Communication apparatus. Ser. No. 604,049, published Nov. 1, 1949.
Bierwirth, Rudolph A. : *See*—
Brown, George H., and Bierwirth.
Billings, Horace P., Haddonfield, and F. G. Stubbs, Gloucester, N. J., assignors to Radio Corporation of America. Electroforming copper deposits. Ser. No. 618,784, published July 5, 1949.
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Binder, William O. : *See*—
Franks, Russell, and Binder.
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Archer, Hugh M., and Boltz.
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Bower, George G. : *See*—
Ross, Arthur H., and Bower.
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Bridgman, Wilbur B. : *See*—
Williams, John W., Petermann, and Bridgman.
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Brodrick, Madeline D., assignee : *See*—
Brodrick, Leo H.
Bromley, Le Roy A. : *See*—
Brewer, Leo, Bromley, and Eastman.
Brotherton, Clifford A., Roanoke, Va., assignor to The Timken Roller Bearing Company, Canton, Ohio. Sizing piston packing ring grooves. Ser. No. 510,764, published Sept. 27, 1949.
Brown, Barremore B. : *See*—
Donal, John S., Jr., Cuccia, and Brown.
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Brown, George B. : *See*—
Du Vigneaud, Vincent, Brown, and Wood.
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Brown, George H., and R. A. Bierwirth, Princeton, N. J., assignors to Radio Corporation of America. Pasteurizing bottle goods. Ser. No. 637,717, published Aug. 15, 1950.
Brown, James D. : *See*—
Koenig, Carl F., III, Weiler, and Brown.
Brown, John M. : *See*—
Burtner, Robert R., and Brown.
Brown, Leo H., Glenville, Conn. Aiming sight comprising a plurality of collimating lenses in side-by-side relation. Ser. No. 534,511, published Dec. 12, 1950.
Bryan, Merwin G. : *See*—
Waite, Amory H., Jr., and Bryan.
Buergler, Monica M., Chicago, Ill., assignor to Radio Corporation of America. Phonograph records. Ser. No. 512,155, published Nov. 22, 1949.
Bullis, Floyd L. : *See*—
Ahles, Robert D., and Bullis.
Bunyan, James R. : *See*—
Heckler, William G., Furse, and Bunyan.
Burger, Leland L.. *See*—
Haendler, Helmut M., and Burger.
Burt, Alexander D.. *See*—
Roys, Henry E., Burt, and Reiskind.
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Calcote, Hartwell F.. *See*—
Mesner, Max H., and Calcote.
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Carboloy Co., Inc., assignee. *See*—
Perry, George A.
Carboloy Company, Inc., assignee : *See*—
Taylor, George F.
Carleen, Sidney M., Audubon, N. J. Automatic winch brake. Ser. No. 683,963, published Dec. 12, 1950.
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Carson, Benjamin R.: *See*—
Reiskind, Hillel I., Carson, and Longacre.

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Churchward, Philip E., Boulder City, Nev. Cathode treatment to facilitate removal of electrolytic manganese. Ser. No. 560,834, published Aug. 2, 1949.

Ciba Limited, assignee: *See*—
Landolt, Albert.
Schibler, Luzius.

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Arone, Nicholas F.
Avery, Howard W.
Bazley, Carl E.
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Benish, Joseph, and Sweet.
Bogg, William A.
Cain, Basil S.
Clark, Frank M.
Clark, Leonard J., and Pitstow.
Cramer, Theron A.
Curley, Bruce A.
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Eberstein, Cylde F.
Fehr, Edith B.
Finch, Thomas E.
Fitzmorris, Stanley R.
Flaherty, Harold J.
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Goldy, Benjamin H., and Foster.
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Hall, Chester I.
Hansen, Siegfried.
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Hemker, Arthur H.
Hogg, Francis M.
Holland, George B.
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Hutt, Philip.
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Kalikow, Irving.
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Kimble, Dwight.
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Koch, Charles J.
Koller, Lewis R.
Larkin, Thomas E.
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Lawson, James L.
Letteron, Henry A.
Lewis, Edward E.
Lodder, Clifford K.
Lynch, Donald W.
MacCarthy, Donnell D.
Martin, Harold M.
McClain, Joseph W.
McDougal, Kenneth R.
McNairy, Jacob W.
Meahl, Harry R.
Miller, Homer H.
Miner, Ernest F., Jr.
Moe, William W.
Nickerson, Winfield T.
Pehkonen, Edwin W.
Perott, Laurence F.
Plion, Pierre.
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Slottman, George V., and Hulme.

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Gee, Kenneth W.
Heyes, Reginald G., and Lee.
Rayner, John W. R., Hudson, and Ettle.
Snowdon, Frederick F.

Inland Steel Company, assignee : *See*—
Sykes, Wilfred.

Interior, United States of America as represented by the Secretary of the, assignee : *See*—
Carman, Everett P.
Cunningham, William K., Gee, and Riordan.
Michels, Lloyd R.
Radway, Merton F.
Ravitz, Sol F.
Schlechten, Albert W., Kroll, and Yerkes.
Stoddard, Carl K., and Pietz.
Walter, Donald S.
Ware, Glen C., and Ravitz.

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Deloraine, Edmond M., and Grieg.
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Rieger, Ernest W., and Klein.

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Komline, Thomas R.

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Yetter, Edward W.

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Manske, Richard H. F., Trickey, and Myers.

National Printing Ink Research Institute, assignee: *See*—
Bernstein, Isidor M., and Nelson.

Navy, United States of America as represented by the Secretary of the, assignee: *See*—
Good, Walter A.
Herrnfeld, Frank P.
Kelly, Jerome V.
Perry, Thomas M.
Schiff, Leonard I.
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Baker, William O., and Pape.
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Patton, Walter V., Petze, and Robertson.
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Tellier, Joseph C.
Tiley, John W.
Phillips Petroleum Company, assignee : *See*—
Clark, Alfred.
De Boisblanc, Deslonde R.
Eddy, William R., and St. Clair.
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Bouton, George M., and Phipps.
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Stoddard, Carl K., and Pietz.
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Clark, Leonard J., and Pitstow.
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Berlant, Emmanuel.
Priest, John E. : *See*—
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Heim, Howard J.
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Anderson, Earl I.
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Beard, Joseph G.
Billings, Horace P., and Stubbs.
Blancha, Felix C.
Blitz, Daniel.
Bollinger, Waldon P., and Hill.
Braden, Rene A.
Brady, Raymond F.
Brown, Francis C.
Brown, George H., and Bierwirth.
Brown, George H., and Hoyler.
Buergler, Monica M.
Carlson, Wendell L.
Carlson, Wendell L., and Jones.
Carter, Philip S.
Cautilli, Peter A.
Clark, Edwin L.
Clark, Edwin L., and Wright.
Cohoon, Donald V.
Cone, Felix E.
Conron, William H., and Schneider.
Costello, Edwin J.
Crosby, Murray G.
Cunningham, David H.
Demuth, Galan W.
Donal, John S., Jr., Cuccia, and Brown.
Duke, Vernon J.
Fernsler, George L.
Finch, James L.
Finke, Herbert A.
Fredendall, Gordon L., and Schoeder.
Gehman, John B.
Gluyas, Thomas M., Jr.
Goble, George H., and Sachtleben.
Goddard, De Witt R.
Goodale, Elmer D.
Gossick, Ben R.
Hanchett, George D., Jr.
Hardy, Austin E.
Harvey, Robert L., and Wentworth.
Henry, Thomas J.
Herold, Edward W.
Higgs, Robert E.
Hofberg, Alf H.
Houghton, William D.
Jacobs, George, and Morrison.
Jacobs, Gerald.
Jones, John D.
Kahn, Alfred.
Kaltenbacher, Dominic M.
Kellogg, Edward W.
Kihn, Harry.
Landon, Vernon D.
Lappin, Lester S.
Lawrence, Howard C., Jr.
Lawrence, Howard C., Jr., and Freas.
Leck, George W.
Lesnick, Robert N.
Lindenblad, Nils E.
Linder, Ernest G.
Masters, Robert W.
Mathes, Richard E.
Mesner, Max H., and Calcote.
Miller, William A.
Miller, William A., Batterman, and Franklin.
Moffett, Le Roy.
Monfort, Raymond A.
Moore, Harold A.
Moore, William N.
Morgan, Adolph R.
Morgan, Jeremiah M.
Morrison, Howard L.
Neilson, Phineas J.
Nixon, George M., and Arnone.
Obert, Maxmilian J.
Olson, Harry F., and Preston.
Pessel, Leopold.
Pies, John R.
Poch, Waldemar J.
Reiskind, Hillel I., Carson, and Longacre.
Roberts, Walter V.
Robins, Ben W.
Romero, Robert F.
Rose, George M., Jr.
Roys, Henry E., Burt, and Reiskind.
Ruben, Harry.
Sanders, Royden C., Jr., and Ludwig.
Sands, William F.
Scheer, Charles L., and Knauf.
Schock, Robert E.
Schoenborn, Ferdinand J. W.
Schrader, Harold J.
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Seeberger, Louis M.
Shaw, Hubert R., and Obert.

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Sinnett, Chester M.
Stott, Harold B.
Sziklai, George C.
Taylor, Charles H.
Tryon, Robert M.
Usselman, George L.
Vance, Arthur W.
Vilkomerson, Benjamin S.
Wachs, Theodore.
Wallmark, John T.
Wehner, Robert S.
Wentworth, Chandler.
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Goolsbee, Charles C.

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Maas, Stanley.

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Benish, Joseph, and Sweet.

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Rishell, Carl A.
Timken Roller Bearing Company, The, assignee: *See*—
Brotherton, Clifford A.
Timmerman, Robert W.: *See*—
Getz, John W., Porter, Sklar, and Timmerman.
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Strickland, Henry R.
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Brewer, Leo, Bromley, and Eastman.
Brewer, Leo, Lofgren, and Eastman.
Haendler, Helmut M., and Burger.
Luster, Donald R.
McBee, Earl T.
Newson, Henry W.
Pall, David B.
Rothrock, George M.
Ruhoff, John R.
Scheil, Merrill A.
Segre, Emilio G.
Spevack, Jerome S.
Wiens, Jacob H., and Baker.
United States of America, assignee: *See*—
Thompson, Howard E., and Ennis.
United States Rubber Company, assignee: *See*—
Chittum, James P.
Manske, Richard H. F., Trickey, and Myers.
Tawney, Pliny O.
University of Illinois, Board of Trustees, assignee: *See*—
Johnstone, Henry F.
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Fisch, Willi, Geiger, and Usteri.
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Ghigli, John V., and Veneklasen.
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Adler, John B.
Allerton, Charles E.
Alvarez, Luis W.
Babcock, Horace W.
Bartelink, Everhard H. B.
Bassett, Dewey M.
Bell, Persa R., Jr.
Bess, Leon.
Bly, Hermann H., and Merz.
Borgelt, Elmer H.
Bottom, Virgil E.
Bright, Donald C.
Byrne, John F., and Eames.
Christensen, John W.
Chu, Lan Jen, and Van Atta.
Clogston, Albert M.
Cohen, Sidney B.
Conant, Goldsmith H., Jr.
Cullman, Fred A., and Murray.
Davidson, John, and Tucci.
Davis, George B., Jr., and Roberts.
Dibble, Frank B., and Gamertsfelder.
Droz, Marcel E.
Eck, Myron Y.
Fairbairn, Robert A., and Van Atta.
Ferry, John D., and Morrison.
Fox, Marvin, and Pearsall.
Fraser, John W., and Loschky.
Gaffney, Francis J.
Gale, David.
Garman, Raymond L., and Rosenberg.

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Grass, Albert M.
Grass, Albert M., and Niemiec.
Hare, Donald G. C.
Hare, Donald G. C., and Adkins.
Hoglund, Ralph H., and Yakutis.
Hughes, Arthur C., Jr.
Irving, Jack H., and Reed.
Jacobs, Philip C., Jr.
Kallmann, Heinz E.
Keary, Thomas J.
Kirkman, Robert A.
Kovacic, Peter.
Kyhl, Robert L.
La Rue, John M., and Winter.
Lawrence, Richard B., and Poté.
Lawson, James L.
Malin, Joseph J.
Mallach, Lawrence W.
Malles, Ralph E.
Marcy, Henry O., III.
McCoppin, Everett R.
McMillan, Edward B., and Straubel.
Miller, Charles J., Jr.
Miller, Edward E.
Miller, Philip H.
Mitchell, Jay G.
Mosher, Richard K.
Nichols, Nathaniel B.
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Norris, Wilton J., and Jones.
Nye, William F.
O'Day, Marcus D.
Otto, Walter.
Overholt, Ralph, Jr.
Oxford, Olaf A.
Packard, Karle S., Jr.
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Porter, Henry H.
Price, Charles C., and Roberts.
Quincy, William S., Jr.
Radin, Bernard G.
Reedy, Paul H.
Ridenour, Louis N.
Rosenberg, Paul.
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Sinclair, Donald B.
Slattery, John J.
Soller, John T.
Sperling, Jacob G.
Stanley, Wendell M.
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Steinberger, Jack.
Stephenson, Richard G.
Stewart, Chandler, Jr.
Sussman, Samuel.
Teetsell, Roy J.
Temple, Marvin D.
Van Atta, Lester C.
Waite, Amory H., Jr., and Bryan.
Walker, Laurence R.
Walker, Robert M.
Washburn, Clayton A.
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1950
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Arthur, Alexander F., Homestead, Fla. Disclaimer filed by the assignee, Frederick C. Peters. No. 2,326,115; disclaimer filed Mar. 21, 1950; v. 633; p. 685.

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Becker, Albert W., Hartford, Conn. Disclaimer filed by the assignee, Trico Products Corporation. No. 1,949,098; disclaimer filed Apr. 11, 1950; v. 634; p. 348.

Belanger, Albert P. D., Alton, Ill. Disclaimer filed by the assignee, Alton Box Board Company. No. 2,379,336; disclaimer filed June 8, 1950; v. 636; p. 398.

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Brenn, Carl W., Montclair, N. J. Disclaimer filed by the assignee, Autographic Register Company. No. 2,159,500; disclaimer filed May 12, 1950; v. 635; p. 349.

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Korman, Nathaniel I., Camden, N. J. Disclaimer filed by the assignee, Radio Corporation of America. No. 2,462,510; disclaimer filed Dec. 22, 1949; v. 630; p. 1099.
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Kyrides, Lucas P., and Ferdinand B. Zienty, St. Louis, Mo. Disclaimer filed by the assignee, Monsanto Chemical Company. No. 2,457,048; disclaimer filed May 5, 1950; v. 634; p. 1334.
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Mann, John, Seneca Falls, N. Y. Disclaimer filed by the assignee, Goulds Pumps, Inc. No. 2,257,507; disclaimer filed Oct. 14, 1950; v. 640; p. 371.
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Mason, Warren P., West Orange, N. J. Disclaimer filed by the assignee, Bell Telephone Laboratories, Incorporated. No. 2,467,325; disclaimer filed Oct. 19, 1950; v. 640; p. 1063.
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Montmarquet, Francis H., Little Falls, N. J. Disclaimer filed by the inventor. No. 2,301,066; disclaimer filed June 17, 1950; v. 636; p. 1067.
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Murphy, Goodrich K., New Canaan, Conn. Disclaimer filed by the assignee, The Budd Company. No. 2,462,027; disclaimer filed Oct. 20, 1950; v. 640; p. 711.
Nampa, Sulo Michael, Detroit, Mich., Kenneth J. Tobin, Chicago, Ill., and Henry Lee Dunlap, Dearborn, Mich. Disclaimer filed by the assignee, Evans Products Company. No. 2,497,683; disclaimer filed Oct. 14, 1950; v. 641; p. 13.
Nelson, Harry H., New York, N. Y. Disclaimer filed by the assignee, Lorentzen Hardware Mf'g. Corp. No. 2,174,994; disclaimer filed Nov. 17, 1950; v. 641; p. 722.
Nelson, Richard B., Schenectady, N. Y. Disclaimer filed by the assignee, General Electric Company. No. 2,496,887; disclaimer filed Aug. 10, 1950; v. 638; p. 641.
Newman, Robert J., Riverside, Ill. Disclaimer filed by the assignee, Universal Oil Products Company. No. 2,436,483; disclaimer filed May 19, 1950; v. 635; p. 698.
Newton, John C., Garden City, N. Y. Disclaimer filed by the assignee, The Sperry Corporation. No. 2,429,642; disclaimer filed Nov. 9, 1950; v. 641; p. 12.
Nichols, Gordon E., Middleboro, Mass. Disclaimer filed by the assignee, Winthrop-Atkins Co., Inc. No. 2,454,521; disclaimer filed Mar. 30, 1950; v. 633; p. 1016.
Parker, Carlyle V., Sunnyside, N. Y. Disclaimer filed by the assignee, Bell Telephone Laboratories, Incorporated. No. 2,416,303; disclaimer filed Apr. 11, 1950; v. 634; p. 348.
Peterson, Arthur W., North Attleboro, Mass. Disclaimer filed by the assignee, Metals & Controls Corporation; the inventor assenting and concurring. No. 2,164,938; disclaimer filed July 5, 1950; v. 637; p. 8.
Polin, Herbert Spencer, Port Washington, Long Island, N. Y. Disclaimer filed by the assignee, Polin, Inc. No. 2,015,125; disclaimer filed Jan. 25, 1950; v. 631; p. 614.
Potts, Louis M., deceased, late of Evanston, Ill., by Martha W. C. Potts. Disclaimer filed by the assignee, Teletype Corporation. No. 2,512,038; disclaimer filed Aug. 17, 1950; v. 638; p. 641.
Rehm, Gustav A., Worcester, Mass. Disclaimer filed by the assignee, Riley Stoker Corporation. No. 2,435,055; disclaimer filed Mar. 15, 1950; v. 633; p. 338.
Reichel, John, Wynnewood, Pa. Disclaimer filed by the assignee, Essdee Patents, Inc.; Lyophile-Cryochem Corporation, joining and consenting. Re. No. 20,969; disclaimer filed Jan. 10, 1950; v. 631; p. 316.
Rideout, John Gordon, Chagrin Falls, Ohio. Disclaimer filed by the assignee, Gendron Wheel Company. No. 2,485,016; disclaimer filed Oct. 30, 1950; v. 640; p. 711.
Rieke, John W., New York, N. Y. Disclaimer filed by the inventor; the assignee, Bell Telephone Laboratories, Incorporated, assenting. No. 2,414,486; disclaimer filed Mar. 17, 1950; v. 633; p. 685.
Robinson, Harry C., and Thomas F. Challis, Chattanooga, Tenn. Disclaimer filed by the assignee, American Manufacturing Company. No. 2,338,968; disclaimer filed June 8, 1950; v. 636; p. 14.
Salmons, George C., and Leo J. Dornbos, Stroudsburg, Pa. Disclaimer filed by the assignee, McGraw Electric Company. No. 2,457,925; disclaimer filed July 20, 1950; v. 637; p. 635.
Saunders, Norman H., Chicago, Ill. Disclaimer filed by the assignee, Automatic Electric Laboratories, Inc. Re. No. 21,768; disclaimer filed Sept. 8, 1950; v. 639; p. 8.
Saunders, Norman H., Chicago, Ill. Disclaimer filed by the assignee, Automatic Electric Laboratories, Inc. No. 1,999,788; disclaimer filed June 14, 1950; v. 636; p. 398.
Saunders, Norman H., Homewood, Ill. Disclaimer filed by the assignee, Automatic Electric Laboratories, Inc. No. 1,805,726; disclaimer filed Sept. 8, 1950; v. 639; p. 8.
Saunders, Norman H., Homewood, Ill. Disclaimer filed by the assignee, Automatic Electric Laboratories, Inc. No. 1,868,994; disclaimer filed Sept. 8, 1950; v. 639; p. 8.
Sax, Nathan E., Chicago, Ill. Disclaimer filed by the assignee, American Buff Company. No. 2,468,686; disclaimer filed Jan. 13, 1950; v. 631; p. 316.

Schlesinger, Kurt, West Lafayette, Ind. Disclaimer filed by the assignee, Radio Corporation of America. No. 2,425,491; disclaimer filed June 22, 1950; v. 636; p. 1067.

Schultz, Harold B., South Bend, Ind. Disclaimer filed by the assignee, Bendix Aviation Corporation. No. 2,470,746; disclaimer filed Dec. 19, 1949; v. 630; p. 618.

Sears, Raymond W., West Orange, N. J. Disclaimer filed by the assignee, Bell Telephone Laboratories, Incorporated. No. 2,452,157; disclaimer filed Aug. 30, 1950; v. 639; p. 8.

Semple, Robert E., Youngstown, Ohio. Disclaimer filed by the assignee, Astatic Corporation. No. 2,325,343; disclaimer filed June 5, 1950; v. 636; p. 398.

Shenk, Eugene R., Brooklyn, and Anthony Ligouri, New York, N. Y. Disclaimer filed by the assignee, Radio Corporation of America. No. 2,456,026; disclaimer filed July 28, 1950; v. 638; p. 12.

Shockley, William, Madison, N. J. Disclaimer filed by the assignee, Bell Telephone Laboratories, Incorporated. No. 2,416,718; disclaimer filed Mar. 30, 1950; v. 634; p. 12.

Shockley, William, Madison, N. J. Disclaimer filed by the assignee, Bell Telephone Laboratories, Incorporated. No. 2,416,718; disclaimer filed Sept. 1, 1950; v. 639; p. 284.

Shore, Henry, Elizabeth, N. J. Disclaimer filed by the assignee, Radio Corporation of America. No. 2,220,689; disclaimer filed July 28, 1950; v. 637; p. 986.

Siebens, Norman H., East Orange, N. J. Disclaimer filed by the assignee, C-O-Two Fire Equipment Company. No. 2,464,268; disclaimer filed Dec. 30, 1949; v. 630; p. 1099.

Skellett, Albert M., Madison, N. J. Disclaimer filed by the assignee, Bell Telephone Laboratories, Incorporated. No. 2,415,855; disclaimer filed Mar. 3, 1950; v. 633; p. 12.

Spencer, Percy L., West Newton, Mass. Disclaimer filed by the inventor; the assignee, Raytheon Manufacturing Company, assenting. No. 2,410,396; disclaimer filed June 15, 1950; v. 636; p. 398.

Spencer, Percy L., West Newton, Mass. Disclaimer filed by the inventor; the assignee, Raytheon Manufacturing Company, assenting. No. 2,468,243; disclaimer filed Oct. 20, 1950; v. 640; p. 711.

Spooner, John M., Manheim Township, Lancaster County, Pa. Disclaimer filed by the assignee, Radio Corporation of America. No. 2,421,912; disclaimer filed Nov. 2, 1950; v. 641; p. 12.

874049—P——58

Spooner, John M., Manheim Township, Lancaster County, Pa. Disclaimer filed by the assignee, Radio Corporation of America. No. 2,435,804; disclaimer filed Apr. 12, 1950; v. 634; p. 685.

Stewart, Arthur W., Detroit, Mich. Disclaimer filed by the assignee, Newport Steel Corporation. No. 2,355,338; disclaimer filed May 5, 1950; v. 635; p. 1006.

Stotz, Carl C., Garden City, N. Y. Disclaimer filed by the assignee, The Sperry Corporation. No. 2,425,013; disclaimer filed May 26, 1950; v. 636; p. 398.

Taylor, Reginald, Francis Tatlock Belas, and John William McClew, Liverpool, England. Disclaimer filed by the assignee, Automatic Electric Laboratories, Inc. No. 1,990,677; disclaimer filed Sept. 8, 1950; v. 639; p. 8.

Thomas, Charles L., and Vladimir Haensel, Chicago, Ill. Disclaimer filed by the assignee, Universal Oil Products Company. No. 2,384,505; disclaimer filed Dec. 7, 1949; v. 630; p. 617.

Tolson, William A., Westmont, and Waldemar J. Poch, Moorestown, N. J. Disclaimer filed by the assignee, Radio Corporation of America. No. 2,400,791; disclaimer filed Oct. 25, 1950; v. 640; p. 711.

Vance, Arthur W., Philadelphia, Pa. Disclaimer filed by the assignee, Radio Corporation of America. No. 2,074,496; disclaimer filed Feb. 2, 1950; v. 632; p. 6.

Van Dyke, Henry A., Philadelphia, Pa. Disclaimer filed by the inventor. Re. No. 21,232; disclaimer filed Apr. 3, 1950; v. 634; p. 12.

Varian, Russell H., Stanford University, Calif. Disclaimer filed by the assignee, The Board of Trustees of The Leland Stanford Junior University. No. 2,242,275; disclaimer filed Mar. 14, 1950; v. 633; p. 338.

Voorhees, Vanderveer, Homewood, Ill. Disclaimer filed by the assignee, Standard Oil Company. No. 2,459,903; disclaimer filed July 14, 1950; v. 637; p. 635.

Wadleigh, George R., Hastings on Hudson, N. Y. Disclaimer filed by the inventor, owner of one-half interest. No. 2,487,202; disclaimer filed Nov. 17, 1950; v. 641; p. 722.

Weaver, Elverton W., Cleveland, Ohio. Disclaimer filed by the assignee, Towmotor Corporation. No. 2,480,066; disclaimer filed Mar. 10, 1950; v. 633; p. 338.

Wunsch, Felix, Philadelphia, Pa. Disclaimer filed by the assignee, Leeds and Northrup Company. No. 2,153,222; disclaimer filed Aug. 5, 1950; v. 638; p. 324.

1950

LIST OF INVENTIONS

This list includes reissue inventions

Abacus. I. E. Birdsall. 2,530,447, Nov. 21.
Abacus. R. E. Rickard and H. C. Tarry. 2,527,080, Oct. 24.
Abdominal appliance. E. R. Chincholl. 2,520,831, Aug. 29.
Abdominal support. C. L. Brenton. 2,511,767, June 13.
Abdominal support. H. Morrison. 2,498,290, Feb. 21.
Abietyl borates. W. A. Raczynski. 2,510,904, June 6.
Abrading and cleaning apparatus, Grain. L. E. Egedal. 2,507,507, May 16.
Abrading apparatus. R. H. Edell and R. G. Hall. 2,510,565, June 6.
Abrading contact wheel. A. E. Kimball. 2,527,554, Oct. 31.
Abrading device, Endless band. C. W. Caston. 2,518,448, Aug. 15.
Abrading machine, Traveling band. E. W. Hall. 2,530,960, Nov. 21.
Abrading mechanism. C. H. Zimmerman. 2,507,079, May 9.
Abrasion and grinding machine for saws. M. Collis. 2,501,498, Mar. 21.
Abrasive article and making the same, Diamond. R. A. Schaefer. 2,495,606–07, Jan. 24.
Abrasive article, Diamond. R. H. Hunter, and W. H. Friberg. 2,495,257, Jan. 24.
Abrasive article, Metal bonded. A. L. Ball and C. G. Rose. 2,506,556, May 2.
Abrasive article of manufacture. G. J. Goepfert and L. L. Cofran. 2,520,763, Aug. 29.
Abrasive articles and backings for such articles, Coated. D. A. Waterfield. 2,534,805, Dec. 19.
Abrasive articles and manufacturing the same. N. P. Robie. 2,496,234, Jan. 31.
Abrasive articles, Coated. C. S. Webber and W. F. Timmer. 2,534,806, Dec. 19.
Abrasive articles, Flexible. N. P. Robie. 2,497,469, Feb. 14.
Abrasive articles, Making. J. C. Mays. 2,505,196, Apr. 25.
Abrasive articles, Making diamond loaded. F. E. Hawley. 2,523,698, Sept. 26.
Abrasive articles, Manufacturing. R. H. Rushmer and G. J. Goepfert. 2,509,652, May 30.
Abrasive, Diamond. G. A. Rehnberg. 2,508,042, May 16.
Abrasive disk support. H. H. Pratt. 2,527,762, Oct. 31.
Abrasive head, Rotary. L. Baltes. 2,522,920, Sept. 19.
Abrasive material, Process and apparatus for producing. O. S. Stewart. 2,523,454, Sept. 26.
Abrasive pads, Making. A. W. Schmidt. 2,528,183, Oct. 31.
Abrasive product, Organic bonded. E. D. Teague. 2,529,712, Nov. 14.
Abrasive tool. W. J. Miller. 2,519,687, Aug. 22.
Abrasive wheel. A. M. Frost. 2,516,693, July 25.
Abrasive wheel. L. H. Metzger and V. J. Fantozzi. 2,496,352 Feb. 7.
Absorbent for corrosive gases formed in electrical apparatus, Making a gas. J. Levy. 2,508,278, May 16.
Absorber, Centrifugally tuned lateral vibration. J. G. Baker. 2,495,565, Jan. 24.
Absorber with evaporatively-cooled section. W. L. Edel. 2,507,624, May 16.
Absorbing carbon monoxide. G. C. Ray and P. H. Johnson. 2,519,284, Aug. 15.
Absorption of nitrogen by liquid ammonia. J. W. Latchum, Jr. 2,521,233, Sept. 5.
Absorption or adsorption refrigeration. N. Erland af Kleen. 2,496,459, Feb. 7.
Absorption process. R. N. Shiras. 2,497,421, Feb. 14.
Absorption refrigerating system of the uniform pressure type. C. A. Miller. 2,533,031, Dec. 5.
Absorption refrigeration. P. P. Anderson, Jr. 2,525,011, Oct. 10.
Absorption refrigeration. C. C. Coons. 2,520,530, Aug. 29.
Absorption refrigeration. W. G. Kögel. 2,535,075, Dec. 26.
Absorption refrigeration. A. L. Lingard. 2,524,983, Oct. 10.
Absorption refrigeration. G. W. Miller, E. L. Kells, and D. H. Larsen. 2,534,789, Dec. 19.
Absorption refrigeration control. J. G. Reid, Jr. 2,502,104, Mar. 28.
Absorption refrigeration system. A. A. Berestneff. 2,535,776, Dec. 26.
Absorption separation process for hydrocarbons. P. H. Deming. 2,516,507, July 25.
Absorption system, Split ammonia. C. D. Hartman, Jr., and A. J. Cordrey. 2,498,369, Feb. 21.
Absorption-type modulation system. C. M. Sinnett. 2,530,087, Nov. 14.
Absorption unit, Duplex spring. C. S. Robinson. 2,519,702, Aug. 22.
Abutment construction for tubes. M. P. Graham. 2,516,767, July 25.
Accelerated-weathering device. M. P. Ornstein and J. H. Siebert, Jr. 2,523,322, Sept. 26.
Accelerating pump. B. Beard. 2,501,926, Mar. 28.
Accelerating the ignition of pulverized fuel. G. P. Jackson. 2,511,588, June 13.
Acceleration clutch. A. L. Holcomb. 2,509,061, May 23.
Acceleration control for direct-current motors. G. G. Mozzanini and M. Lebertre. 2,494,516, Jan. 10.
Acceleration integrator, Mechanical. J. Rabinow. 2,522,536, Sept. 19.
Acceleration meter. R. Keller. 2,500,548, Mar. 14.
Accelerator, Automobile hand. W. F. Wilsdorf, Sr. 2,501,249, Mar. 21.
Accelerator control device. G. A. Arnett. 2,521,624, Sept. 5.
Accelerator, Dual. Z. A. Petty. 2,512,838, June 27.
Accelerator having direct current starting circuit, Electron. W. F. Westendorp. 2,528,526, Nov. 7.
Accelerator linkage, Brake controlled. G. M. Etnyre. 2,532,544, Dec. 5.
Accelerator, Magnetic induction. R. Wideroe. 2,510,448, June 6.
Accelerator of the microwave type, Electron. W. C. Brown. 2,524,252, Oct. 3.
Accelerator pedal actuator, Auxiliary. J. B. Snow. 2,524,486, Oct. 3.
Accelerator provided with starting auxiliary, Electron. R. V. Langmuir, H. C. Pollock, and W. F. Westendorp. 2,528,525, Nov. 7.
Accelerators of vulcanization. A. F. Hardman. 2,522,268, Sept. 12.
Accelerators, Preparation of vulcanization. A. F. Hardman. 2,520,095, Aug. 22.
Accelerometer. J. G. Burmist. 2,504,644, Apr. 18.
Accelerometer, Angular. R. H. Carter. 2,505,636, Apr. 25.
Accelerometer, Continuously measuring angular. D. Weiss. 2,498,118, Feb. 21.
Accessory for bicycles, Pedal extension. E. M. Schwenk. 2,509,457, May 30.
Accessory for converting a vehicle seat into a play pen or child's bed. L. R. Biasell. 2,532,007, Nov. 28.
Accessory for flown kites. C. H. Shoemaker. 2,535,165, Dec. 26.
Accessory for tools, Wire-cutting. S. M. Moberg. 2,505,502, Apr. 25.
Accessory system operable from a fluctuating pressure source with a normally by-passed secondary source. J. R. Oishei and A. Rappel. 2,520,650, Aug. 29.
Accident valve. R. G. Goldinger. 2,526,346, Oct. 17.
Accordion. J. Kummer. 2,504,538, Apr. 18.
Accordion hand strap mounting. W. B. Ahern and A. J. Walt. 2,495,915, Jan. 31.
Accordion key holder. E. H. Terlinde. 2,514,978, July 11.
Accordion, Piano. W. B. Ahern and A. J. Walt. 2,495,914, Jan. 31.
Accounting apparatus, Electronic. A. H. Dickinson. 2,514,035, July 4.
Accounting board. J. M. Jones. 2,524,128, Oct. 3.
Accounting device, Automatic. A. E. Hague and A. E. Joel, Jr. 2,531,622, Nov. 28.
Accounting machine. J. T. Davidson, P. H. Williams, J. R. Ganger, and J. H. Crawford. 2,526,734, Oct. 24.
Accounting machine. O. J. Sundstrand. 2,520,070, Aug. 22.
Accounting machine for repeating total printing cycle when error in accumulator reset is ascertained. E. J. Rabenda, R. E. Page, and H. S. Beattie. 2,521,408, Sept. 5.
Accounting system, Automatic charge. C. Marble. 2,535,218, Dec. 26.
Accumulating mechanism. H. S. Beattie, F. E. Hamilton, and G. F. Daly. 2,500,269, Mar. 14.
Accumulator. R. J. Breit. 2,532,143, Nov. 28.
Accumulator. J. K. Douglas. 2,497,491, Feb. 14.
Accumulator and control, Selective value actuated. M. G. Nelsen and T. J. Obszarny. 2,518,810, Aug. 15.

Accumulator control unit. D. A. Richardson, J. N. Robinson, T. B. Martin, and M. J. Duer. 2,505,206, Apr. 25.
Accumulator for accounting machines. S. Brand, J. M. Cunningham, and L. C. Bishop. 2,502,919, Apr. 4.
Accumulator, heat exchanger, and metering device for refrigerating systems, Combination. M. T. Cahenzli, Jr. and G. Muffly. 2,530,648, Nov. 21.
Accumulator valve. R. T. Burnett. 2,531,669, Nov. 28.
Acenaphthoyl alkanoic acids and derivatives thereof. R. R. Burtner and J. M. Brown. 2,513,273, July 4.
Acetal resins of improved stability, Preparation of polyvinyl. E. Lavin, A. T. Marinaro, and W. R. Richard. 2,496,480, Feb. 7.
Acetaldehyde, Manufacture of. M. Randall. 2,511,787, June 13.
Acetals from acrylonitrile, carbon monoxide, hydrogen, and alcohols. P. L. Barrick and A. A. Pavlic. 2,506,571, May 9.
Acetals of acetylenic aldehydes, Preparing. G. W. Hearne, H. L. Yale, and M. C. Hoff. 2,508,257, May 16.
Acetals of aldehydes containing at least four carbon atoms, Producing. J. W. Copenhaver. 2,516,679, July 25.
Acetals of oxy and polyoxy α,ω-aldehydes and preparing the same. J. W. Copenhaver. 2,502,433, Apr. 4.
Acetals of 2-oxy-tetrahydropyran and tetrahydrofuran-3-aldehydes and preparing the same. J. W. Copenhaver. 2,517,543, Aug. 8.
Acetals, Preparation of. J. W. Copenhaver. 2,527,533, Oct. 31.
Acetamidomalonates, Preparation of. M. Tishler and E. E. Howe. 2,521,809, Sept. 12.
Acetic acid esters of aralkyl alcohols and their production. E. L. Jenner. 2,533,939, Dec. 12.
Acetic acids from 2-(saturated hydrocarbon substituted) cyclohexanols, Making disubstituted. E. L. Pelton and A. A. Holzschuh. 2,517,708, Aug. 8.
Acetic acids, Trisubstituted. N. Sperber and D. Papa. 2,529,521, Nov. 14.
Acetic anhydride, Manufacture of. A. Elce, H. M. Stanley, and K. H. W. Tuerck. 2,514,041, July 4.
Acetic anhydride, Preparing. L. A. Nicolai and W. G. Daroux. 2,509,877, May 30.
Aceto acetic acid esters of cellulose, Preparing. J. R. Caldwell. 2,521,897, Sept. 12.
Acetonitrile production. J. E. Mahan. 2,535,082, Dec. 26.
Acetonitriles as azo components in diazotypes. S. C. Slifkin. 2,531,004, Nov. 21.
Acetylene black, Producing. R. L. Hasche. 2,507,157, May 9.
Acetylene generator. D. H. Bailey. 2,515,168, July 18.
Acetylene, Producing. R. L. Hasche. 2,518,688, Aug. 15.
Acetylene, Production of. J. B. Orr, Jr. 2,498,444, Feb. 21.
Acid adsorptive alumina, Preparation of. J. B. Hunter. 2,528,751, Nov. 7.
Acid aftertreatment of metallized resorcinol-azo dyes further coupled on the fiber. C. Streck. 2,515,743, July 18.
Acid alkylation of thiophene compounds, Sulfuric. K. L. Kreuz and R. L. Sanderson. 2,529,298, Nov. 7.
Acid anhydride detection apparatus, Gaseous. W. F. Fagen. 2,508,238, May 16.
Acid chlorides of polybasic acids. N. Rabjohn. 2,525,723, Oct. 10.
Acid chlorines of thio and dithiodiglycolic acids. D. Harman and C. W. Smith. 2,514,640, July 11.
Acid-curing thermosetting resin compositions, curing same, and products thereof. W. Hull. 2,494,095, Jan. 10.
Acid derivatives from unsaturated compounds, Preparation of. M. Carmack, and D. F. De Tar. 2,495,567, Jan. 24.
Acid derivatives, Sulfanilic. H. Urist and G. J. Martin. 2,504,471, Apr. 18.
Acid dispenser. A. C. Rockwood. 2,499,976, Mar. 7.
Acid dyestuffs of the anthraquinone series and making same. S. von Allmen and H. Eggenberger. 2,517,613, Aug. 8.
Acid dyestuffs of the anthraquinone series and their manufacture. S. von Allmen and H. Eggenberger. 2,503,855, Apr. 11.
Acid esters, Forming unsaturated. H. J. Hagemeyer, Jr. 2,496,791, Feb. 7.
Acid esters of poly-chlorinated phenols, Production of the higher fatty. E. B. Higgins. 2,506,361, May 2.
Acid esters, Production of lactic. H. M. Hodge. 2,519,906, Aug. 22.
Acid-fading inhibition using certain 1,4-diaryl piperazines. H. W. Grimmel and A. Guenther. 2,529,935, Nov. 14.
Acid fading inhibition using N-benzylated amino-triazoles and tetrazoles. H. W. Grimmel and J. F. Morgan. 2,529,016, Nov. 7.
Acid for tertiary olefin extraction, Modified. B. E. Hudson, Jr. 2,515,006, July 11.
Acid initiation of amino acid N-carboanhydride condensation. R. N. MacDonald. 2,534,283, Dec. 19.
Acid intermediates and their production, Pantothenic. S. A. Harris and K. Folkers. 2,519,462, Aug. 22.
Acid leaching of pectinous materials. H. S Owens. 2,502,477, Apr. 4.
Acid merocyanine dyes. L. G. S. Brooker and F. L. White. 2,526,632, Oct. 24.
Acid processes, Concentrated sulfuric. C. W. MacKinnon. 2,498,629, Feb. 28.
Acid salts of a guanidine as mothproofers, Resinous aromatic. V. Migrdichian. 2,499,226, Feb. 28.
Acid salts of amino benzoates, Levulinic. D. Curtis. 2,518,525, Aug. 15.
Acid salts of an N-acetyl-10-trimethyl-ammoniumdihydrohomomeroquinene ethyl ester and their production. R. B. Woodward and W. von E. Doering. 2,520,673, Aug. 29.
Acid-treating a contaminated water-immiscible bead-forming oil. R. W. Richardson and C. N. Kimberlin, Jr. 2,529,310, Nov. 7.
Acoustic chamber for analysis of gaseous mixtures. W. H. Janssen and W. Mikelson. 2,521,634, Sept. 5.
Acoustic device. C. B. Horsley. 2,532,229, Nov. 28.
Acoustic generator. J. I. Yellott and L. E. Savory. 2,519,619, Aug. 22.
Acoustic impedance, Adjustable. F. H. Slaymaker and W. F. Meeker. 2,514,344, July 4.
Acoustic testing structure including sound absorbing panels. T. T. Tucker. 2,519,162, Aug. 15.
Acroleins, Preparation of. N. M. Bortnick. 2,518,416, Aug. 8.
Acrylamide, Preparing. M. Lichtenwalter and O. F. Wiedeman. 2,508,279, May 16.
Acrylic esters, Chlorinated. V. K. Babayan. 2,511,424, June 13.
Acrylic esters of alkoxy-3-butenols and polymers therefrom. H. T. Neher, W. J. Croxall, and E. H. Kroeker. 2,504,082, Apr. 11.
Acrylic resin and vinyl copolymer compositions. A. R. Forgie. 2,520,919, Sept. 5.
Acrylonitrile by vapor phase catalytic-reaction of acetylene and hydrogen cyanide, Preparing. D. C. Spaulding and C. E. Brockway. 2,502,678, Apr. 4.
Acrylonitrile-isobutylene copolymer, Plasticized. P. O. Tawney. 2,504,054, Apr. 11.
Acrylonitrile, Producing. E. L. Carpenter. 2,494,116, Jan. 10.
Acrylonitrile, Producing. G. H. Lovett. 2,526,676, Oct. 24.
Acrylonitrile, Producing. J. F. Martino. 2,501,651, Mar. 28.
Acrylonitrile to white polymers in dimethyl formamide, Polymerization of. J. C. Richards. 2,528,710, Nov. 7.
Action for upright pianos. N. A. Ringholz. 2,524,835, Oct. 10.
Activating compositions of carbon, hydrogen, and sulfur. B. W. Gamson. 2,525,343, Oct. 10.
Activation of Friedel-Crafts catalyst. D. C. Walsh, Jr., and H. G. Schutze. 2,521,431, Sept. 5.
Activation of Friedel-Crafts catalysts for polymerization of olefins. D. C. Walsh, Jr., and H. G. Schutze. 2,521,432, Sept. 5.
Activator solution for machineless hair-waving pads. H. W. Mace. 2,531,359, Nov. 21.
Active material for alkaline cells and preparing the same. R. Roberts. 2,519,399, Aug. 22.
Actuating apparatus for punch presses. G. F. Wales. 2,528,198, Oct. 31.
Actuating device, Value setting register. E. Fowler. 2,498,754, Feb. 28.
Actuating means for photographic shutters. F. P. Willcox. 2,522,699, Sept. 19.
Actuating means for rail lubricating pumps. S. E. Bates. 2,498,519, Feb. 21.
Actuating means for throwout crank arms of sliding doors. S. B. Haseltine. 2,534,443, Dec. 19.
Actuating mechanism. T. A. Renkenberger. 2,512,531, June 20.
Actuating mechanism, Differential. A. G. Russell. 2,530,996, Nov. 21.
Actuating mechanism for embossing machines, Record controlled. C. J. Fitch. 2,531,876, Nov. 28.
Actuating mechanism for inflating devices. U. C. Walk. 2,527,604–5, Oct. 31.
Actuating mechanism for sensitive horizon bars. J. S. Adkins. 2,524,745, Oct. 10.
Actuating mechanism, Self-locking. A. G. Parker. 2,497,415, Feb. 14.
Actuator and control, Parking brake. W. F. McSparran, Jr. 2,495,979, Jan. 31.
Actuator and operating same, Stabilized power. E. D. Lilja. 2,506,798, May 9.
Actuator, Article counter. C. R. Hilberry. 2,503,670, Apr. 11.
Actuator, Differential. A. G. Russell. 2,534,376, Dec. 19.
Actuator for accumulators in calculating machines. A. Thomas. 2,516,032, July 18.
Actuator for power brakes, Automatic emergency. F. A. Letner. 2,519,774, Aug. 22.
Actuator for turbine stop valves, Hydraulic. L. B. Wales and F. C. Linn. 2,524,552, Oct. 3.
Actuator mechanism and control therefor, Hydraulic. E. J. Svenson. 2,505,810, May 2.
Actuator mechanism for cash registers, Key operated. H. and S. Gross. 2,509,493, May 30.
Actuator mechanism, Hydraulic. E. J. Svenson. 2,505,809, May 2.
Actuator, Pressure responsive. R. W. Phelps. 2,503,594, Apr. 11.
Actuator, Shutter. H. T. Hodges. 2,503,736, Apr. 11.

Actuator system, Mechanical. W. P. Lear. 2,500,691, Mar. 14.
Actuator, Time controlled. B. Marcellus. 2,528,766, Nov. 7.
Actuator, Tow-bar brake. M. T. Brown. 2,522,855, Sept. 19.
Acylamide, Preparing. C. A. Weisgerber. 2,535,245, Dec. 26.
Acylamino styrene polymers. J. B. Dickey and T. E. Stanin. 2,500,025, Mar. 7.
Acyl fluorides, Preparing aromatic. R. G. Linville. 2,517,898, Aug. 8.
Acylated aromatic compounds, Preparation of ring. R. E. Foster. 2,496,786, Feb. 7.
Acylated hydroxypolycarboxylic acid anhydrides, Preparing. C. F. Fuchs. 2,520,139, Aug. 29.
Acylated protein and making same. W. G. Gordon, R. W. Jackson, and A. E. Brown. 2,525,792, Oct. 17.
Acylating enolizable organic compounds. H. J. Hagemeyer, Jr. 2,521,913, Sept. 12.
Acylation of furan. H. D. Hartough. 2,515,123, July 11.
Acylation of hydroxylated esters. L. F. Reuter and A. Syverson. 2,500,918, Mar. 14.
Acyloxy carboxylic acids from esters of hydroxy carboxylic acids, Preparation of. M. L. Fein and C. H. Fisher. 2,518,456, Aug. 15.
Acyloxymethyl oxazolines, Preparation of. P. F. Tryon. 2,504,951, Apr. 25.
Acyloxyvinyl alkyl sulfones and polymers thereof. J. B. Dickey and H. W. Coover, Jr. 2,507,147, May 9.
Adapter. N. C. Beerli. 2,529,534, Nov. 14.
Adapter. L. C. Carlson. 2,531,840, Nov. 28.
Adapter. L. K. Franklin. 2,493,577, Jan. 3.
Adapter. S. M. Kass. 2,534,912, Dec. 19.
Adapter. W. C. Roe. 2,520,375, Aug. 29.
Adapter, Chuck collet. W. P. Howland. 2,514,241, July 4.
Adapter for cameras, Lens attachment. E. Von Suppiny, Sr. 2,502,609, Apr. 4.
Adapter for cameras, Roll film. R. A. Foresman, Jr. 2,513,017, June 27.
Adapter for collapsible tube winding key for varying taper of key. A. A. F. Krueger. 2,531,060, Nov. 21.
Adapter for connecting service fittings to drilling machines. F. H. Mueller and J. J. Smith. 2,523,585, Sept. 26.
Adapter for cutout base receptacles. W. S. Edsall. 2,496,662, Feb. 7.
Adapter for electrical boxes for wall installation. A. N. Borkowski. 2,514,176, July 4.
Adapter for gas stoves, Fuel control. G. Klein. 2,524,130, Oct. 3.
Adapter for grease guns, Filling. G. E. Eckman. 2,517,551, Aug. 8.
Adapter for honey frames. I. Freeman. 2,523,424, Sept. 26.
Adapter for isothermal transformation diagrams. J. W. Sands. 2,512,387, June 20.
Adapter for lifting jacks, Special use. V. Pace. 2,509,165, May 23.
Adapter for plastic door handles. J. W. Pulaski. 2,525,459, Oct. 10.
Adapter for slides in a still projector. T. M. Jablon. 2,515,602, July 18.
Adapter for vehicle-mounted machines. F. J. Hoder, Jr. 2,494,175, Jan. 10.
Adapter, Magnetic chuck. F. J. Witbrod. 2,501,803, Mar. 28.
Adapter mechanism for dictating machines. T. H. Beard and G. W. Cameron. 2,515,688, July 18.
Adapter plug for chemical vessels. W. O. Luertzing. 2,535,856, Dec. 26 .
Adapter, Presser foot. M. Ingwer. 2,505,402, Apr. 25.
Adapter, Reamer. F. E. Lustenberger and G. Cardinal. 2,516,709, July 25.
Adapter, Sleeve inserter. C. H. Landis. 2,509,305, May 30.
Adapter, Slide guide drawing. K. T. and E. Dyczynski. 2,515,954, July 18.
Adapter, Spring loaded hydraulic. J. D. Bennett. 2,513,990, July 4.
Adapter, Stereoscopic. J. M. Richards. 2,495,288, Jan. 24.
Adapter, Tail pipe. W. R. McCulloch. 2,522,630, Sept. 19.
Adapter, Tripod. H. L. Kraus. 2,506,878, May 9.
Adder, Electronic. J. A. Rajchman and G. W. Brown. 2,503,765, Apr. 11.
Adding device. F. Veatch and M. M. Fink. 2,499,237, Feb. 28.
Adding machine. R. A. Kraft. 2,528,149, Oct. 31.
Adding machine, Key-operated. E. J. Theisen. 2,513,532, July 4.
Adding machine stand. E. A. Singer. 2,517,510, Aug. 1.
Addition agents for mineral oil lubricants and compositions containing the same. H. G. Smith, T. L. Cantrell, and J. G. Peters. 2,497,099, Feb. 14.
Addition agents for mineral oil lubricants and compositions containing the same. H. G. Smith, T. L. Cantrell, and J. G. Peters. 2,506,901–2, May 9.
Addition agents for mineral oil lubricants, the agents so obtained, and mineral oil lubricants containing them, Preparing. H. G. Smith, T. L. Cantrell, and J. G. Peters. 2,506,900, May 9.
Addition agents for mineral oils and compositions containing the same. H. G. Smith, T. L. Cantrell, and J. G. Peters. 2,507,055, May 9.
Addition compounds of cinnamaldehyde and certain malonic and cyanoacetic esters. O. A. Moe and D. T. Warner. 2,523,710, Sept. 26.
Addition products of aliphatic acid esters of orthophosphoric acid and dialiphatic-aminomethyl phenols. A. J. Revukas. 2,516,913, Aug. 1.
Addition products of sulfuric acid and polycarboxylic tertiary amino acids. F. C. Bersworth. 2,532,392, Dec. 5.
Address machine, Bed and platen hectographic. A. J. Wright. Re. 23,279, Oct. 3.
Adducts of bisnor-5,7,9(11)-cholatrien-22-al-3-one. R. H. Levin and A. V. McIntosh, Jr. 2,530,389, Nov. 21.
Adducts of para-chlorobenzene-sulfonyl halides and lower alkylene esters and preparing the same. E. C. Ladd. 2,521,068, Sept. 5.
Adducts of 22-aryl-bisnor-5,7,9(11)-cholatrien-22-ones. R. H. Levin and A. V. McIntosh, Jr. 2,530,390, Nov. 21.
Adhesion of rubber to fibrous materials. F. S. Perkerson. 2,499,774, Mar. 7.
Adhesive. C. M. Carson. 2,496,934, Feb. 7.
Adhesive applying mechanism. S. R. Howard. 2,494,176, Jan. 10.
Adhesive bonding method. R. K. Super. 2,520,978, Sept 5.
Adhesive by mixing a rubber latex, filler, and a bituminous emulsion, Preparing an. W. D. Buckley, P. E. McCoy, and L. G. Thompson. 2,506,339, May 2.
Adhesive composition. H. J. Deney. 2,524,008, Sept. 26.
Adhesive composition. P. H. Scrutchfield. 2,529,851, Nov. 14.
Adhesive composition and laminate, Thermosetting. H. M. Cadot. 2,533,994, Dec. 12.
Adhesive composition and structure embodying same. E. C. Van Buskirk, D. D. M. Streed, and J. H. Flood. 2,530,099, Nov. 14.
Adhesive composition comprising a rosin alcohol and a butadiene-acrylonitrile copolymer. A. L. Hatfield and H. P. Owen. 2,535,852, Dec. 26.
Adhesive composition for air filters and preparing same. C. M. Himel and L. O. Edmonds. 2,524,315, Oct. 3.
Adhesive compositions. E. R. Trimble. 2,514,427, July 11.
Adhesive compositions, Polyester resin. D. S. Phillips. 2,514,141, July 4.
Adhesive display sign. R. J. Leander. 2,521,641, Sept. 5.
Adhesive for polystyrene. F. J. Schubert and T. O. Anderson. 2,510,908, June 6.
Adhesive-laminated rubber-hydrochloride and regenerated-cellulose sheet. C. M. Carson. 2,517,764, Aug. 8.
Adhesive, Resorcinol formaldehyde. H. P. Bradley. 2,514,196, July 4.
Adhesive tape dispensing and severing clip. B. H. Locke. 2,524,453, Oct. 3.
Adhesive tape dispenser. H. H. Hillmer. 2,509,641, May 30.
Adhesive tape dispenser. T. H. Krueger and E. E. Sharpe. 2,530,335, Nov. 14.
Adhesive tape, Making. E. J. Carter. 2,525,864, Oct. 17.
Adhesives and producing same, Resin. W. G. Simons. 2,518,388, Aug. 8.
Adhesives from blood hemoglobin, formaldehyde, a peroxide, and ethylene diamine. G. O. Orth, Jr. 2,514,789, July 11.
Adhesives from blood hemoglobin, formaldehyde, and ethylene diamine. E. D. Cornwell. 2,512,418, June 20.
Adjustable-angle pivot-type rod joint. R. D. Boyd. 2,504,796, Apr. 18.
Adjustable appliance plug. C. A. Peebles. 2,496,173, Jan. 31.
Adjustable article stand. M. Weinberger. 2,505,075, Apr. 25.
Adjustable article support. I. O. Mitchell, Jr. 2,533,494, Dec. 12.
Adjustable automotive upper control pin. G. R. Di Paolo and J. A. Anzovino. 2,531,326, Nov. 21.
Adjustable back reclining chair. N. Perry. 2,530,264, Nov. 14.
Adjustable basketball hoop mounting. H. Rubin. 2,534,067, Dec. 12.
Adjustable bearing support. A. Braunworth. 2,507,850, May 16.
Adjustable boat seat. G. H. Osbon and W. A. Sandman. 2,508,769, May 23.
Adjustable bobbin and battery holder. W. B. Cathey. 2,513,001, June 27.
Adjustable book and magazine holder. P. E. Attick. 2,501,019, Mar. 21.
Adjustable bracket. H. A. Stollenwerk. 2,510,433, June 6.
Adjustable bracket. W. Trautner. 2,512,397, June 20.
Adjustable buckle holder. E. D. Janes and M. J. Carpinella. 2,529,452, Nov. 7.
Adjustable cable clamp. M. Hillery. 2,526,661, Oct. 24.
Adjustable center reflex table. P. R. Koerper. 2,517,681, Aug. 8.
Adjustable centering gauge. J. F. Donohue. 2,535,051, Dec. 26.
Adjustable centrifugal switch. Q. J. Evans and A. Kushner. 2,516,050, July 18.

Adjustable chair. L. M. Glasco. 2,508,109, May 16.
Adjustable clamp. C. F. Raley. 2,524,138, Oct. 3.
Adjustable clothesline support. G. F. Ambrosius. 2,501,752, Mar. 28.
Adjustable combination keyless lock. J. L. Justinian. 2,496,542, Feb. 7.
Adjustable container. C. W. Turbyfill. 2,513,693, July 4.
Adjustable coupling. B. A. Beck, Sr. 2,532,754, Dec. 5.
Adjustable coupling. J. W. Browning and J. B. Adams. 2,503,373, Apr. 11.
Adjustable curtain rod. R. Blake. 2,519,996, Aug. 22.
Adjustable cutter. R. J. Bradley. 2,495,091, Jan. 17.
Adjustable cutting torch holder. D. L. Forrest. 2,494,698, Jan. 17.
Adjustable daylight film developing tank. R. K. Kallio. 2,526,366, Oct. 17.
Adjustable display rack. F. Kramer. 2,495,109, Jan. 17.
Adjustable fastener. L. Roseman. 2,534,064, Dec. 12.
Adjustable fastener receptacle. W. Dzus. 2,499,574, Mar. 7.
Adjustable film hanger. L. I. Weissman. 2,524,216, Oct. 3.
Adjustable fixture hanger. N. J. McDaid. 2,528,238, Oct. 31.
Adjustable folding table. E. A. Overstedt. 2,522,296, Sept. 12.
Adjustable free-floating brake. L. Gooch. 2,503,615, Apr. 11.
Adjustable garment hanger. W. S. Baer, Sr. 2,512,133, June 20.
Adjustable garment hanger. T. Casey. 2,531,108, Nov. 21.
Adjustable garment hanger. L. B. Hensley. 2,513,484, July 4.
Adjustable garment hanger. C. H. Penhallegon. 2,518,367, Aug. 8.
Adjustable garment hanger. J. A. Saunders. 2,496,561, Feb. 7.
Adjustable garment hanger. C. S. Vineyard. 2,524,612, Oct. 3.
Adjustable garment hanger. J. L. Whitsel. 2,494,272, Jan. 10.
Adjustable gauge warning signal switch. H. Behr. 2,523,352, Sept. 26.
Adjustable hacksaw frame. H. W. Kulp. 2,531,135. Nov. 21.
Adjustable hacksaw frame. W. Thompson and C. Brooks. 2,526,438, Oct. 17.
Adjustable hanger bracket. L. H. Workman. 2,509,384, May 30.
Adjustable hay feed rack. I. Anson. 2,533,984, Dec. 12.
Adjustable height ironing table. G. O. Miller. 2,517,696, Aug. 8.
Adjustable high chair. M. and G. Engelberg. 2,503,942, Apr. 11.
Adjustable high chair. O. D. Steele. 2,514,524, July 11.
Adjustable jigsaw puzzle frame. R. B. Attridge. 2,506,189, May 2.
Adjustable ironing board. G. T. Rieter. 2,535,755, Dec. 26.
Adjustable level. T. W. F. Walden. 2,515,680, July 18.
Adjustable level case. M. Wyler. 2,519,211, Aug. 15.
Adjustable light mounting. C. Sklarek. 2,499,611, Mar. 7.
Adjustable lock. E. C. Deal. 2,521,836, Sept. 12.
Adjustable measuring receptacle. F. R. Chester. 2,496,268, Feb. 7.
Adjustable mirror or picture holder. U. J. Chambers. 2,497,760, Feb. 14.
Adjustable photographer's posing chair. C. M. Briggs. 2,497,580, Feb. 14.
Adjustable picture hanger. S. H. Schrager and R. L. McGuire. 2,522,901, Sept. 19.
Adjustable pillow block. L. B. McGuffage. 2,521,530, Sept. 5.
Adjustable pipe rack. A. P. Robishaw. 2,534,682, Dec. 19.
Adjustable pitch polyphase induction motor. C. R. J. Laceulle. 2,500,365, Mar. 14.
Adjustable pressure regulator. F. Sayers. 2,524,996, Oct. 10.
Adjustable protector cap. A. L. Cruise. 2,519,743, Aug. 22.
Adjustable reflector support. J. Guercio. 2,506,355, May 2.
Adjustable rotary table. J. N. Hardy. 2,494,242, Jan. 10.
Adjustable seat. H. J. Turner. 2,519,163, Aug. 15.
Adjustable sewing machine light. M. Ingwer. 2,530,123, Nov. 14.
Adjustable shoulder form hanger. G. H. Humphreys. 2,524,978, Oct. 10.
Adjustable sill block. T. L. Smalley. 2,523,070, Sept. 19.
Adjustable spanner wrench. A. Hotchkiss, Jr. 2,504,418, Apr. 18.
Adjustable spinning cap. E. J. Freund. 2,527,630, Oct. 31.
Adjustable stand. K. R. Evans and R. W. Thomas. 2,510,688, June 6.
Adjustable stud fastener. O. J. Poupitch. 2,504,087, Apr. 11.
Adjustable support. H. Warrens and G. W. Schumacher. 2,495,995, Jan. 31.
Adjustable supporting stand. C. S. Thomas. 2,515,911, July 18.
Adjustable thread gauge. D. G. Jackson. 2,517,491, Aug. 1.
Adjustable tolerance measuring tool. P. S. Holmberg. 2,514,605, July 11.
Adjustable tool handle. E. M. Pfauser and S. Mandl. 2,520,652, Aug. 29.
Adjustable transversely engaging brake. G. Currie. 2,514,378, July 11.
Adjustable trestle jack. A. J. Schreiber. 2,514,095, July 4.
Adjustable trunk carrier. C. Hall. 2,515,826, July 18.
Adjustable typewriter support. W. F. Herring. 2,531,880, Nov. 28.
Adjustably mounted seat. W. J. Preising and R. H. Bynum. 2,528,607, Nov. 7.
Adjuster, Automatic brake. F. Neale. 2,493,993, Jan. 10.
Adjuster, Cutter. E. H. Larkins. 2,496,800. Feb. 7.
Adjuster, Fastener. C. T. Torresen. 2,517,364, Aug. 1.
Adjuster for air brake piston travel, Automatic slack. J. A. Schroeder and M. Graber. 2,512,507, June 20.
Adjuster for brakes, Automatic slack. A. G. H. Carlbom. 2,497,343, Feb. 14.
Adjuster for electrical measuring instruments. A. H. Lamb. 2,513,184, June 27.
Adjuster, Line. P. P. Sprowl. 2,529,056, Nov. 7.
Adjuster, Slack. W. J. Sockell. 2,495,990, Jan. 31.
Adjusting axle engaging members of automobile lifts, Method and apparatus for. I. V. K. Hott and J. P. Gentry. 2,517,789, Aug. 8.
Adjusting device. A. J. Stepanoff. 2,505,071, Apr. 25.
Adjusting device for rolling mills. P. Blain. 2,523,553, Sept. 26.
Adjusting device for shoes of brakes of the drum type. P. Farkas. 2,506,201, May 2.
Adjusting device for the transverse movements of a parallel lathe tool, more particularly for thread cutting. X. F. Castelli. 2,527,397, Oct. 24.
Adjusting means for hinges. R. T. Philips. 2,533,502, Dec. 12.
Adjusting means for machine gauges, Demountable. E. J. Witchger. 2,518,414, Aug. 8.
Adjusting means for reciprocating knives of cloth-cutting machines, Wear take-up. W. Aaron. 2,496,365, Feb. 7.
Adjusting means for shutter operating mechanisms. R. L. Kimble. 2,525,099, Oct. 10.
Adjusting mechanism for multiple lever tools. J. W. Geddes and W. F. Tibbetts. 2,527,496, Oct. 24.
Adjusting mechanism for testing apparatus. F. G. Schrader. 2,519,509, Aug. 22.
Adjusting or controlling device. B. L. Haver. 2,531,216 Nov. 21.
Adjusting the length of trousers with cuffs. P. Leaf. 2,524,814, Oct. 10.
Adjustment device for dial indicators, Fine. P. J. Huber. 2,506,924, May 9.
Adjustment device for female clutch cones in coupling for drive in automatic lathes. G. E. Cuttat. 2,519,026, Aug. 15.
Adjustment for stringed musical instruments, Multiple. H. Hise and J. B. Cousineau. 2,531,569, Nov. 28.
Adjustment for suction cleaners, Brush roll. C. H. Taylor. 2,495,876, Jan. 31.
Adjustment for thermostatic switches. P. J. Kircher. 2,511,471, June 13.
Adjustment means for exterior-type rearview mirrors. L. E. Hatten. 2,527,507, Oct. 31.
Adjustment means for rivet feeding hoppers. T. J. Doyle. 2,514,851, July 11.
Adjustment mechanism for hydraulic brakes. P. C. Wilson. 2,523,172, Sept. 19.
Adjustment mechanism for microscopes. T. G. Aitcheson. 2,508,738, May 23.
Adjustment mechanism for skiving knives. H. W. Carnes. 2,496,657, Feb. 7.
Administering repeated injections, Method of and apparatus for. B. J. Brent. 2,531,667, Nov. 28.
Adsorption device, Portable odor. G. S. Dauphinee. 2,511,497, June 13.
Adsorption process. C. H. O. Berg. 2,519,342, Aug. 22.
Adsorption process. C. H. O. Berg. 2,519,344, Aug. 22.
Adsorption process and apparatus. C. H. O. Berg. 2,519,343, Aug. 22.
Adsorption process and apparatus. C. H. O. Berg. 2,519,873–4, Aug. 22.
Adrenochrome mono-semicarbazone compound and haemostatic composition. G. Dechamps, H. LeBihan, and C. Beaudet. 2,506,294, May 2.
Advertising device. C. M Kennard. 2,503,114, Apr. 4.
Advertising device. H. J. Moorhouse. 2,512,465, June 20.
Advertising device. A. St. C. Perry. 2,518,633, Aug. 15.
Advertising device for displaying articles, Electrical. E. Matter. 2,507,641, May 16.
Advertising device, Illuminated. C. L. Dwinell. 2,514,599, July 11.
Advertising device, including adjacent endless belts movable in opposite directions, Changeable. A. Erisman. 2,506,586, May 9.
Advertising display. B. Brown. 2,519,307, Aug. 15.
Advertising display. R. Knysen. 2,507,909, May 16.
Advertising sidewalk block. G. W. Cadjew. 2,509,558, May 30.
Advertising sign display box. C. M. Williams. 2,507,875, May 16.
Aerating device. J. J. Goodrie. 2,510,396, June 6.

Aerating device for live bait containers. G. J. Eidson. 2,493,952, Jan. 10.
Aeration unit and support therefor. M. Dressler. 2,521,454, Sept. 5.
Aeration unit and support therefor. P. F. Morgan. 2,521,474, Sept. 5.
Aerator, Aquarium. C. H. Holmes and J. L. Snyder. 2,533,936, Dec. 12.
Aerator, filter, and heater, Water. B. T. Wall. 2,515,538, July 18.
Aerial array. E. O. Willoughby. 2,510,162, June 6.
Aerial cable cutout housing. C. E. Nelson. 2,526,392, Oct. 17.
Aerial cable messenger ring. J. B. Clapp. 2,509,422, May 30.
Aerial delivery apparatus. O. C. and V. H. Winzen. 2,501,559, Mar. 21.
Aerial delivery container. P. H. Stevenson. 2,495,486, Jan. 24.
Aerial device. H. C. Watson. 2,506,755, May 9.
Aerial, Directional. T. Kahan and A. Waché. 2,534,451, Dec. 19.
Aerial for aircraft radiogoniometry, Fixed frame. H. Vaudoux and E. Torcheux. 2,509,750, May 30.
Aerial for use on vehicles, Radio. W. J. Pickett, C. M. Carington, and G. W. Shoobert. 2,497,687, Feb. 14.
Aerial navigation. H. Chireix. 2,530,287, Nov. 14.
Aerial, particularly for aircraft and other vehicles, Radio. W. A. Johnson. 2,510,698, June 6.
Aerial, Radio. E. de Faymoreau and A. de Gouvenain. 2,498,655, Feb. 28.
Aerial system. P. H. K. G. Cornelius. 2,505,098, Apr. 25.
Aerial system. W. J. O'Brien and D. H. Toller-Bond. 2,508,648, May 23.
Aerial system. J. K. Schouten. 2,533,054, Dec. 5.
Aerial system. D. H. Toller-Bond. 2,508,657, May 23.
Aerial system, Wireless. J. D. Lawson. 2,513,498, July 4.
Aerial, Television. A. R. Atchison. 2,532,138, Nov. 28.
Aerodyne having wings movable in circular translation. J. P. Drapier. 2,496,385, Feb. 7.
Aerogenerator tower. P. H. Thomas. 2,511,023, June 13.
Affixing liners to caps. J. L. Lay. 2,494,047, Jan. 10.
Aftertreatment of rayon, Continuous. H. A. Schrenk. 2,513,057, June 27.
Aftertreatment with an aldehyde of wool dyed with chromed azo dyes. W. Widmer and A. Buehler. 2,516,496, July 25.
Age hardenable nickel alloy. C. G. Bieber and M. P. Buck. 2,515,185, July 18.
Agent for removal of adhesive tape and similar gummy and tacky substances. T. E. Weichselbaum. 2,500,107, Mar. 7.
Agents for use in low-temperature polymerization reactions, Modifying. P. K. Frolich. 2,523,289, Sept. 26.
Agglomerating aerosols. C. B. Horsley and G. C. Seavey. 2,535,679, Dec. 26.
Agglomerating and recovering aerosol particles. G. C. Seavey and C. B. Horsley. 2,535,700, Dec. 26.
Agglomeration of carbon black. G. P. Bunn. 2,511,901, June 20.
Aggregate drier. K. A. Raypholtz. 2,503,686, Apr. 11.
Aggregate from clay, Producing lightweight. T. A. Klinefelter. 2,493,763, Jan. 10.
Aging flour. M. L. Silver. 2,510,146, June 6.
Aging of alcoholic beverages, Electronic. A. Brasch. 2,498,735, Feb. 28.
Agitating and dispensing unit. H. A. De Phillips and H. J. Vath. 2,504,009, Apr. 11.
Agitating device. D. H. Clewell. 2,498,393, Feb. 21.
Agitating device. A. J. Fressola. 2,494,866, Jan. 17.
Agitating device for making frozen desserts. W. B. McGorum. 2,516,232, July 25.
Agitator. H. L. Cerniak. 2,530,858, Nov. 21.
Agitator. C. Kaltenbach and L. Schmitt. 2,526,367, Oct. 17.
Agitator. J. M. Pryor and B. Cescato. 2,513,107, June 27.
Agitator. A. J. Roubal. 2,516,917, Aug. 1.
Agitator. L. Solomon. 2,518,196, Aug. 8.
Agitator. B. R. Winborn, Jr. 2,514,530, July 11.
Agitator for brickmaking machines. B. A. Schneider. 2,507,819, May 16.
Agitator for corn picking machines, Husk. H. J. Kuhlman. 2,527,190, Oct. 24.
Agitator for fertilizer spreaders. E. L. Masters. 2,526,609, Oct. 17.
Agitator for gas producers. A. L. Galusha. 2,502,141, Mar. 28.
Agitator for laundry machines. M. E. Rhode. 2,520,336, Aug. 29.
Agitator for powder feeding apparatus. W. C. Denison, Jr. 2,511,332, June 13.
Agitator for silos and the like, Mechanical unloading. S. Malke. 2,532,238, Nov. 28.
Agitator for soil tillers, Rotary disk. O. C. Blomgren. 2,503,993, Apr. 11.
Agitator for suction cleaners, Rotary. K. M. Hammell. 2,512,544, June 20.
Agitator, Paint can. M. W. Woodman. 2,501,016, Mar. 21.
Agitator, Washing machine. G. P. Castner. 2,502,702, Apr. 4.
Agricultural and like implements, Power-driven. G. H. F. Knight. 2,529,614, Nov. 14.
Aid for mathematics, Visual. J. F. Schacht. 2,507,460, May 9.
Aid for the blind. E. A. Krauth. 2,500,638, Mar. 14.
Aid for the blind. J. W. Richardt, Jr., and O. A. Shann. 2,496,639, Feb. 7.
Aileron and rudder control system for aircraft, Resiliently interconnected. E. J. Horkey. 2,518,012, Aug. 8.
Aileron, Upper hinged. G. S. Trimble, Jr. 2,507,741, May 16.
Aiming device, Hip nail. H. H. Hopkins. 2,531,734, Nov. 28.
Air admission means and explosion relief safety door for combustion chambers. H. Weyenberg and W. R. Kimberly. 2,517,816, Aug. 8.
Air and gas cleaner. T. Gavagnin. 2,507,897, May 16.
Air and gas supply means for burners, Primary. H. M. Reeves. Re. 23,299, Nov. 28.
Air and water heating furnace. C. E. Rice. 2,533,692, Dec. 12.
Air bag stem. F. C. Green. 2,530,055, Nov. 14.
Air blast device. F. H. Armstrong. 2,502,694, Apr. 4.
Air blowing of hydrocarbon alkoxy silanes and products. J. B. Rust and C. A. MacKenzie. 2,511,297, June 13.
Air brake. L. I. Pickert. 2,530,723, Nov. 21.
Air-break switch. H. E. Seaman and L. C. Hart. 2,514,263, July 4.
Airbrush, Multiple fluid. J. A. Paasche. 2,532,187, Nov. 28.
Air charger for hydropneumatic systems. A. W. Burks. 2,509,130–1, May 23.
Air circulating apparatus. J. R. Boyle. 2,529,592, Nov. 14.
Air circulating arrangement for refrigerators. L. M. Kurtz. 2,532,816, Dec. 5.
Air circulating device. C. F. Bauer. 2,525,853, Oct. 17.
Air circulating system. A. N. Turnquist. 2,509,022, May 23.
Air circulating system, Reversible. L. O. Solberg. 2,507,057, May 9.
Air circulation control for refrigerator trucks. H. E. Christman. 2,525,866, Oct. 17.
Air circulator. E. W. Denman. 2,509,137, May 23.
Air cleaner. A. H. Bahnson, Jr. 2,493,849, Jan. 10.
Air cleaner. D. B. Browne and K. E. Buckman. 2,493,335, Jan. 3.
Air cleaner. H. G. Kamrath. 2,493,352, Jan. 3.
Air cleaner. L. J. Lechtenberg. 2,510,825, June 6.
Air cleaner. K. F. Schreier. 2,509,173, May 23.
Air cleaner and deodorizer. J. L. Thorpe. 2,526,782, Oct. 24.
Air cleaner and humidifier. G. J. Smart. 2,522,805. Sept. 19.
Air cleaner construction, Oil bath. L. J. Hamman. 2,514,543, July 11.
Air-conditioned article display stand. W. Raskin. 2,511,375, June 13.
Air conditioner. T. H. Garvey and P. V. Scally. 2,529,830 Nov. 14.
Air conditioner. J. M. Lewis. 2,497,947, Feb. 21.
Air conditioner. J. F. Roe. 2,508,839, May 23.
Air conditioner. R. N. Wallach and J. Zender. 2,506,656. May 9.
Airconditioner and humidifier for air-heating furnaces W. F. Shreve. 2,503,002, Apr. 4
Air conditioner, Automobile cooling. F. A. Whitelev. 2,498,973, Feb. 28.
Air conditioner for hair driers and the like. R. C. Belgau and A. P. Ward. 2,505,378, Apr. 25.
Air conditioner for vehicles. O. T. Brown. 2,516,103 July 25.
Air conditioner having thermostatic control. N. A. Pennington. 2,499,411, Mar. 7.
Air conditioner, Portable. W. F. Hoffman. 2,495,969, Jan. 31.
Air conditioner, Room. R. W. Morgan, A. G. Trometer, and L. J. Sahs. 2,526,391, Oct. 17.
Air conditioning. S. W. E. Andersson. 2,515,388, July 18.
Air conditioning. W. L. McGrath. 2,500,696, Mar. 14.
Air conditioning. P. W. Rennels. 2,514,720, July 11.
Air conditioning. T. K. Sherwood. 2,515,319, July 18.
Air-conditioning and heating apparatus. J. G. Caduff. 2,524,160. Oct. 3.
Air conditioning apparatus. E. L. Hart. 2,495,002, Jan. 17.
Air conditioning apparatus. H. O. Kirkpatrick. 2,497,028, Feb. 7.
Air conditioning apparatus. J. Marshall. 2,500,693, Mar. 14.
Air conditioning apparatus. F. D. Peltier and M. C. Terry. 2,496,355, Feb. 7.
Air conditioning apparatus. C. L. Smith. 2,495,351, Jan. 24.
Air conditioning apparatus for heating and cooling. T. W. Binder. 2,528,720, Nov. 7.
Air conditioning apparatus for high-speed aircraft. E. R. G. Eckert. 2,503,250, Apr. 11.
Air conditioning apparatus for railway cars. I. S. Ritter. 2,496,751, Feb. 7.
Air conditioning apparatus for vehicles. W. B. Emerich. 2,493,122, Jan. 3.
Air conditioning apparatus having an evaporative type condenser. C. F. Henney. 2,493,141, Jan. 3.

Airconditioning apparatus having control means. P. Edberg. 2,530,158, Nov. 14.
Air-conditioning control system and method. W. W. Kompart. 2,525,685, Oct. 10.
Air conditioning cooling system for steam condensers. J. S. Walker. 2,530,443, Nov. 21.
Air conditioning for crane cabs. B. B. Reilly. 2,513,517, July 4.
Air conditioning system. D. E. Dasher. 2,532,012, Nov. 28.
Air-conditioning system. C. E. Davis. 2,519,120, Aug. 15.
Air conditioning system. L. Denis. 2,508,749, May 23.
Air conditioning system. J. Kohut. 2,498,427, Feb. 21.
Air conditioning system. W. L. McGrath. 2,500,695, Mar. 14.
Air conditioning system. W. L. McGrath. 2,517,498, Aug 1.
Air-conditioning system. R. C. Schlichtig. 2,496,602, Feb. 7.
Air conditioning system. E. H. White. 2,509,948, May 30.
Air conditioning system for passenger vehicles. I. S. Ritter. 2,513,679, July 4.
Air conditioning unit. G. D. Harris. 2,517,428, Aug. 1.
Air conditioning unit, Compact. N. A. Pennington. 2,527,569, Oct. 31.
Air conducting unit for carbon black furnaces. C. A. Stokes. 2,507,580, May 16.
Air conditioning unit, Pedestal type. R. Petticrew. 2,498,342, Feb. 21.
Air conditioning unit, Self-contained. C. M. Ashley. 2,535,775, Dec. 26
Air conditioning unit, Self-contained. W. W. Turpin. 2,529,203, Nov. 7.
Air-conditioning unit, Self-contained. H. S. Woodruff. 2,506,758, May 9.
Air-conditioning unit, Window mounted. A. H. Eberhart. 2,519,085–6, Aug. 15.
Air control means for oil burner apparatus. F. Ravnsbeck. 2,522,131, Sept. 12.
Air control valve. J. H. Goldman. 2,496,286, Feb. 7.
Air controlled shifting mechanism. H. W. Cardwell and J. W. Haupt. 2,508,564, May 23.
Air-cooled engine. C. W. Van Ranst. 2,509,178, May 23.
Air-cooled friction clutch. H. W. Cardwell and E. R. Johnson. 2,517,972, Aug. 8.
Air-cooled igniter plug. D. J. Steeg. 2,526,169, Oct. 17.
Air-cooled spark plug. J. A. Benson. 2,493,743, Jan. 10.
Air-cooled supercharged combustion engine. H. Wiederkehr and R. Feiss. 2,529,984, Nov. 14.
Air cooler. M. B. Davidson. 2,512,198, June 20.
Air cooling by evaporization of water. H. G. Forrester. 2,521,841, Sept. 12.
Air cooling device. C. K. Mousel. 2,495,537, Jan. 24.
Air cooling system for automotive vehicles. W. A. Borden. 2,495,090, Jan. 17.
Air-cooling system for internal-combustion engines, Forced draft. T. A. Logashkin. 2,497,781. Feb. 14.
Aircraft. J. M. Gwinn, Jr. 2,494,090, Jan. 10.
Aircraft. A. J. Pidgeon. 2,495,643, Jan. 24.
Aircraft air conditioning system. H. J. Wood and H. R. Alexander. 2,509,899, May 30.
Aircraft altitude control. F. H. S. Rossire. 2,512,902, June 27.
Aircraft auxiliary landing gear. E. W. Shaw. 2,506,178, May 2.
Aircraft booster control system. T. C. Hill. 2,530,659, Nov. 21.
Aircraft control. J. V. Browning. 2,496,083, Jan. 31.
Aircraft control. J. A. M. Lecarme. 2,497,127, Feb. 14.
Aircraft control apparatus. R. J. Kutzler. 2,525,038, Oct. 10.
Aircraft control assembly, Dual. R. A. Kaiser and T. W. Kerr. 2,507,600, May 16.
Aircraft control mechanism. E. F. Hensley. 2,506,960, May 9.
Aircraft control mechanism. R. E. Karnuth and H. F. Hume. 2,509,272, May 30.
Aircraft control, Rotative winged. H. F. Pitcairn. 2,499,161, Feb. 28.
Aircraft control surface. R. Plath. 2,506,939, May 9.
Aircraft control surface lock. C. L. Freel. 2,509,141, May 23.
Aircraft control system. W. H. Kliever. 2,513,493, July 4.
Aircraft control system. H. E. Wells. 2,504,096, Apr. 11.
Aircraft control system, including armrest control members, Three-dimensional. H. H. Amtmann. 2,523,262, Sept. 26.
Aircraft control system, Prone position. H. H. Amtmann. 2,521,680, Sept. 12.
Aircraft controlling system for flaps and landing gear. R. Saulnier. 2,516,346, July 25.
Aircraft, Convertible. G. P. Herrick. 2,518,008, Aug. 8.
Aircraft convertible to a rotary wing aircraft, Fixed wing. E. M. and J. M. Tucker, and E. M. Tucker, Jr. 2,511,025, June 13.
Aircraft decelerating and parachute deploying means. P. F. Smith. 2,511,601, June 13.
Aircraft, Direct lift. E. A. Stalker. 2,493,042. Jan. 3.
Aircraft, Direct lift. E. A. Stalker. 2,514,459. July 11.
Aircraft door. J. B. Castle. 2,498,527. Feb. 21.
Aircraft engine starting device. W. G. Ovens. 2,518,712, Aug. 15.
Aircraft flight indicator. M. De Martino. 2,504,114, Apr. 18.
Aircraft having a plurality of fluidly interconnected laterally disposed landing gear units. E. C. Wells. 2,519,522, Aug. 22.
Aircraft having rotating blades or wings. R. H. Prewitt. 2,509,367, May 30.
Aircraft landing gear. J. M. Jacobson. 2,504,128, Apr. 18.
Aircraft landing gear. E. L. Martin and F. A. Payne, Jr. 2,503,755, Apr. 11.
Aircraft landing light. W. G. Grimes. 2,510,818, June 6.
Aircraft landing system. T. M. Ferrill, Jr. 2,501,668, Mar. 28.
Aircraft landing system employing lobe switching of radio beams. R. M. Smith. 2,514,351, July 4.
Aircraft of the rotary wing type. R. E. Mullin. 2,497,465, Feb. 14.
Aircraft operable either as fixed or rotary lifting surface type. G. P. Herrick. 2,518,007, Aug. 8.
Aircraft, Oscillating vane. W. F. Haack. 2,514,639, July 11.
Aircraft passenger chair. M. T. Blue. 2,518,860, Aug. 15.
Aircraft power plant with motor-compressor group and turbo-compressor group. R. Pouit. 2,518,062, Aug. 8.
Aircraft power unit converting fluid energy into static pressure energy. R. A. Wolf. 2,496,509, Feb. 7.
Aircraft propeller drive. J. J. Bloomfield. 2,532,755, Dec. 5.
Aircraft propulsion mechanism. D. T. Dobbins. 2,514,749, July 11.
Aircraft propulsion unit. P. F. Hackethal and R. Karey. 2,528,236, Oct. 31.
Aircraft radar-map roll correction system. W. A. Higinbotham and R. Pepinsky. 2,532,549, Dec. 5.
Aircraft rotary boiler turbine air condenser power plant. R. B. Kellogg. 2,525,804, Oct. 17.
Aircraft, Rotary wing. M. F. Bates. 2,521,684, Sept. 12.
Aircraft, Rotary wing. J. A. J. Bennett. 2,523,186, Sept. 19.
Aircraft, Rotary wing. S. Hiller, Jr., and H. H. Sigler. 2,534,353, Dec. 19.
Aircraft, Rotary wing. E. A. Stalker. 2,493,041, Jan. 3.
Aircraft, Rotating wing. A. M. Young. 2,510,006, May 30.
Aircraft safety door. E. E. Loving. 2,519,386, Aug. 22.
Aircraft seat. E. R. Burn. 2,521,339, Sept. 5.
Aircraft ski with adaptable mounting bushing. F. J. Ditter. 2,522,350, Sept. 12.
Aircraft skid, Shock absorbing. V. H. Patriarche. 2,533,951, Dec. 12.
Aircraft, stabilized and positioned, light apparatus for aerial navigation. J. T. King. 2,532,104, Nov. 28.
Aircraft trainer. R. C. Davis, V. F. Bohman and C. E. Germanton. 2,519,233, Aug. 15.
Aircraft variable area wings using landing gear fairings. J. Mercier. 2,511,362, June 13.
Aircraft wheel centering mechanism. C. W. Smith and J. E. Warner. 2,535,167, Dec. 26.
Aircraft wing flap control. E. L. Moyer. 2,516,406, July 25.
Aircraft wing mounting. T. S. and R. H. Hoopingarner. 2,511,265, June 13.
Aircraft with adjustable wings. B. N. Wallis. 2,504,767, Apr. 18.
Aircraft with boundary layer control, Jet-propelled. E. A. Stalker. 2,509,890, May 30.
Aircraft with mixed type propulsion and sustaining means. G. A. A. Wiessler. 2,507,657, May 16.
Aircraft with plural rotors, Rotary-wing. C. G. Pullin and K. Watson. 2,529,629, Nov. 14.
Aircraft with retractable rotary wings. A. I. Roman. 2,534,062, Dec. 12.
Aircraft with stabilizing wing, Tailless. E. A. Stalker. 2,496,565. Feb. 7.
Aircraft with sustaining airscrew. A. A. L. Bruel. 2,517,282, Aug. 1.
Aircraft with tiltable jet units, Jet-propelled. J. H. Madden. 2,499,401, Mar. 7.
Air deflector, Automobile window. C. H. Gillig. 2,534,348, Dec. 19.
Air dehumidifying apparatus with hygroscopic material spreading means. F. G. Kovacs and F. A. Seidler. 2,535,144, Dec. 26.
Air delivery device. A. R. Gilbert. 2,499,856, Mar. 7.
Air directing means for gun type oil burners. M. Walshin. 2,497,480. Feb. 14.
Air distributing apparatus, Medicated. A. L. Sharp. 2,501,541, Mar. 21.
Air distributing system for drying various form bulk produce. M. L. Rysdon. 2,524,331, Oct. 3.
Air diverter. L. C. Reed. 2,497,824. Feb. 14.
Air duct arrangement for vehicle power plants. C. R. Paton. 2,527,487, Oct. 24.
Air duct construction. L. P. Brett. 2,531,349, Nov. 21.
Airer, Electrically heated. G. A. Chapman. 2,494,861, Jan. 17.
Air exhauster. I. I. Solzman. 2,526,290, Oct. 17.
Air feeding and cooled furnace front structure. T. H. Polad. 2,531,344, Nov. 21.

Air filter. R. B. Davis. 2,505,175, Apr. 25.
Air filter. E. A. Roop. 2,511,295, June 13.
Air filtering apparatus. E. C. Gwaltney, W. Shaw, and E. B. MacLean. 2,500,123, Mar. 7.
Airflow cooler. H. E. Norton. 2,528,449, Oct. 31.
Air flow directing means for room air conditioners. P. B. Moore. 2,502,980, Apr. 4.
Air-flow indicator. H. S. Jones. 2,512,278, June 20.
Air flow interlock switch. H. P. Thomas. 2,493,603, Jan. 3.
Airfoil. R. J. Nebesar. 2,503,450, Apr. 11.
Airfoil conditioning means. W. Thomas. 2,514,105, July 4.
Airfoil construction. H. M. Woodhams and S. W. D. Lockwood. 2,512,453, June 20.
Airfoil, Folding. M. Steigel. 2,501,920, Mar. 28.
Airfoil heating means. E. Martin. 2,494,625, Jan. 17.
Airfoil, High-speed. C. E. Pappas and H. R. Lu. 2,507,611, May 16.
Airfoil, Test. D. W. Rabenhorst. 2,523,481, Sept. 26.
Air gun projectile holder. J. K. Pope. 2,505,428, Apr. 25.
Air-heating device, Combined forced and convection flow. J. W. Miller. 2,517,909, Aug. 8.
Air inlet arrangement for combustion chamber flame tubes. R. J. Fyffe. 2,531,810, Nov. 28.
Air inlet structure for rear engine compartments of streamlined vehicles. R. Březek. 2,529,994, Nov. 14.
Air intake arrangement for supersonic aircraft. A. G. Smith. 2,503,973, Apr. 11.
Air introducing device. K. G. Eklund and J. E. Hulten. 2,513,463, July 4.
Air jet pin wheel. A. Indehar. 2,520,245, Aug. 29.
Air-line lubricator. P. G. Cox. 2,532,441, Dec. 5.
Air-line lubricator. R. Ronceray. 2,535,756, Dec. 26.
Air louver for heating or cooling units. H. J. Lange. 2,526,243, Oct. 17.
Air lubricated thrust bearing. J. A. Rawlins. 2,535,454, Dec. 26.
Air moistener. A. Giacobello. 2,530,195, Nov. 14.
Air operated apparatus for cleaning small parts by jiggling in a turbulent cleaning solution. M. J. A. Zinty. 2,520,354, Aug. 29.
Air outlet device. F. Honerkamp. 2,531,733, Nov. 28.
Air outlet device. F. J. Kurth. 2,521,636, Sept. 5.
Air passage structure for ranges, Circulating. L. E. Mendel. 2,526,890, Oct. 24.
Air pilot. S. Soderberg. 2,497,475, Feb. 14.
Airplane and wing unit for same, Combination. R. W. Dillavou. 2,517,850, Aug. 8.
Airplane approach control, Means for. S. P. Saint. 2,495,139, Jan. 17.
Airplane approach control system. N. B. Coley. 2,529,596, Nov. 14.
Airplane approach control system. O. S. Field, S. N. Wight, and R. W. Hewes. 2,522,029, Sept. 12.
Airplane, Bomb-releasing folding-wing. A. B. Mull. 2,512,069, June 20.
Airplane, Cargo. E. W. Gardenshire. 2,514,045, July 4.
Airplane, Channel wing. W. R. Custer. 2,514,478, July 11.
Airplane control surface. F. M. de Laval. 2,510,561, June 6.
Airplane control system. W. C. Trautman. 2,532,469, Dec. 5.
Airplane, Convertible amphibian. T. C. Patecell. 2,534,206, Dec. 12.
Airplane cross-wind undercarriage. J. H. Geisse. 2,529,932–3, Nov. 14.
Airplane fabric and manufacturing air frames. A. Dreyling and C. W. Johnson. 2,517,852, Aug. 8.
Airplane flap extension. R. W. Bowcott. 2,526,929, Oct. 24.
Airplane flight instruction device. G. Laughead and O. H. Anderson. 2,526,371, Oct. 17.
Airplane, Floating wing. T. C. Bennett, M. M. Morton, and F. M. Gloeckler. 2,499,350, Mar. 7.
Airplane, Fluid-propelled. A. N. Turnquist. 2,511,607, June 13.
Airplane, Fluid-sustained and fluid-propelled. J. Johnson. 2,502,045, Mar. 28.
Airplane landing gear. S. J. Wittman. 2,498,976, Feb. 28.
Airplane motor. F. M. Christian. 2,501,315, Mar. 21.
Airplane, Multiple channel wing. W. R. Custer. 2,532,481, Dec. 5.
Airplane passenger carrier. N. Cosakis. 2,497,153, Feb. 14.
Airplane, Roadable. R. E. Fulton, Jr. 2,532,159, Nov. 28.
Airplane, Roadable. R. E. Fulton, Jr. 2,533,925, Dec. 12.
Airplane, Roadable. R. E. Fulton, Jr., and O. J. Alvarez. 2,509,095, May 23.
Airplane stall indicator. H. A. Smith. 2,499,284, Feb. 28.
Airplane, Tailless. M. E. Gluhareff. 2,511,502, June 13.
Airplane wing and slotted flap. W. M. Hawkins. 2,511,504, June 13.
Airplane wing structure. W. T. Schwendler and O. Erlandsen, Jr. 2,496,024, Jan. 31.
Airplane with adjustable wings. W. J. Hampshire. 2,523,427, Sept. 26.
Airplane with circular airfoil. J. A. Blondin. 2,515,587, July 18.
Airplane with high-lift channeled wings. W. R. Custer. 2,510,959, June 13.
Airport, Integrated. F. L. Stump. 2,522,144, Sept. 12.
Air pressure mechanism. R. L. Pelton. 2,509,879–80, May 30.
Air pressure responsive switch. O. C. Nystul. 2,523,967, Sept. 26.
Air proportional counter. E. W. Molloy. 2,499,830, Mar. 7.
Air proportional counter. J. A. Simpson, Jr. 2,532,956, Dec. 5.
Air purifier. P. M. Pirchio. 2,516,340, July 25.
Air relief for grease interceptors. A. Matheis. 2,524,201, Oct. 3.
Air separation process. J. S. Swearingen. 2,520,862, Aug. 29.
Airship, Heavier-than-air. G. C. Brown. 2,512,824, June 27.
Air supply control for can filling machines. H. D. Ayars. 2,525,851, Oct. 17.
Air supply control for oil burners, Automatically variable. J. A. Logan. 2,497,316, Feb. 14.
Air supply outlet. R. Simpson. 2,532,737, Dec. 5.
Airtight tubular coupling. E. F. Martinet and S. J. Cedik. 2,500,955, Mar. 21.
Air traffic control. P. J. Herbst. 2,500,545, Mar. 14.
Air traffic control. L. F. Jones. 2,520,600, Aug. 29.
Air translating apparatus. G. H. Koch. 2,512,159, June 20.
Air translating apparatus support. G. H. Koch. 2,521,920, Sept. 12.
Air treating apparatus. A. Y. Dodge. 2,519,028, Aug. 15.
Air vane for fuel burners. V. Z. Caracristi. 2,512,196, June 20.
Air vent valve. W. W. Carron. 2,529,834, Nov. 14.
Air venting and water overflow means for locomotive tenders. C. F. Kantola. 2,534,453, Dec. 19.
Air-volume control mechanism. F. E. Brady, Jr. 2,620,794, Aug 29.
Air washer. W. V. Baker. 2,498,718, Feb. 28.
Air washer. W. J. Farlow. 2,518,455, Aug. 15.
Air washing and cleaning apparatus. R. A. Lhota. 2,527,015, Oct. 24.
Airway monitoring and control system. L. W. Alvarez. 2,514,436, July 11.
Airway traffic control system. O. S. Field. 2,509,632, May 30.
Airway traffic control system. O. S. Field and S. N. Wight. 2,516,376, July 25.
Airway traffic controlling system. N. D. Preston and F. B. Hitchcock. 2,535,954, Dec. 26.
Airway traffic indicator. E. W. Springer. 2,495,296, Jan. 24.
Air working chamber with control buoyancy, Movable underwater compressed. C. Goodman. 2,524,382, Oct. 3.
Air wrench. H. P. Phillips. 2,495,475, Jan. 24.
Ajar door holder. B. S. Bernhard. 2,505,320, Apr. 25.
Alarm actuator, Mechanical and electrical thermostatic. L. F. Amprim. 2,496,687, Feb. 7.
Alarm and control, Stoker. A. B. Newton. 2,493,591, Jan. 3.
Alarm, Automobile lights. A. Castro. 2,507,398, May 9.
Alarm, Burglar. F. A. Foss. 2,493,576, Jan. 3.
Alarm device, Thermal. D. M. Palmer. 2,533,835, Dec. 12.
Alarm for hearing aid users. D. C. Wiseley. 2,517,368, Aug. 1.
Alarm for strongboxes. E. B. Davis. 2,531,842, Nov. 28.
Alarm for tires, Low-pressure. G. A. and H. R. Sagaser. 2,523,594, Sept. 26.
Alarm initiator for pumping systems. L. Hegy. 2,494,124, Jan. 10.
Alarm intensity control. A. J. Muchow. 2,506,379, May 2.
Alarm or indicator, Hotbox. H. W. Faus. 2,527,923, Oct. 31.
Alarm, Pocket radiation. R. J. S. Brown and H. G. Weiss. 2,531,106, Nov. 21.
Alarm set and stop mechanism. H. S. Brazee and T. R. Claffey. 2,523,676, Sept. 26.
Alarm, Slow-beat emergency magnetically vibrated. C. B. Sawyer and C. L. Allen. 2,528,247, Oct. 31.
Alarm system. R. L. Hughes. 2,522,615, Sept. 19.
Alarm system. D. B. Talbot. 2,498,613, Feb. 21.
Alarm system, Automatic. A. S. H. Picking and I. H. Rooney. 2,518,174, Aug. 8.
Alarm system, Boiler level. W. E. Proctor. 2,493,548, Jan. 3.
Alarm system, Electric. A. F. Sperry. 2,501,793, Mar. 28.
Alarm system, Emergency. S. Robinson. 2,520,340, Aug. 29.
Alarm system for hotels and the like. E. M. Lurie. 2,525,697, Oct. 10.
Alarm system, High and low level. O. Centofanti. 2,503,654, Apr. 11.
Alarm, Thermal. C. W. Ingels. 2,502,727, Apr. 4.
Album for phonograph records. J. K. Rose. 2,509,841, May 30.
Alcohol derivatives of subtilin. J. C. Lewis and E. F. Jansen. 2,495,743, Jan. 31.
Alcohol derived from 1-vinylcyclohexene-3. H. L. Johnson and F. J. Bondhus. 2,513,179, June 27.
Alcohol esters of cyclohexadiene dicarboxylic acids, Unsaturated. W. E. Elwell 2,502,645, Apr. 4.

Alcohol process. H. O. Mottern. 2,496,251, Jan. 31.
Alcohol process. R. F. Robey and S. G. Gallo. 2,497,959, Feb. 21.
Alcohol-soluble aralkyl-phenolic condensation product. L. M. Geiger. 2,502,003, Mar. 28.
Alcoholic liquor, Treatment of. C. W. Kraft. 2,500,951, Mar. 21.
Alcohols from thiocarboxylic acids and esters, Primary. L. Ruzicka and V. Prelog. 2,509,171, May 23.
Alcohols, Producing. R. C. Archibald and R. A. Trimble. 2,504,618, Apr. 18.
Alcohols, Production of. N. Levy and R. K. Greenhalgh. 2,531,284, Nov. 21.
Alcohols, Production of alicyclic. A. Farkas and A. I. Smith. 2,497,349, Feb. 14.
Aldehyde-ammonium thiocyanate-furfuryl alcohol resins. A. P. Dunlop and P. R. Stout. 2,526,644, Oct. 24.
Aldehyde antistain baths for developed color photographic material. H. C. Harsh and J. E. Bates. 2,518,686, Aug. 15.
Aldehyde products of condensation of acroleins and acylamido malonic and cyanoacetic esters. D. T. Warner and O. A. Moe. 2,523,746, Sept. 26.
Aldehyde reaction products of copolymers of vinyl esters of hydroxy acids and acrylic esters. T. S. Carswell. 2,501,990, Mar. 28.
Aldehyde reaction products, Production of thermosetting. W. I. Weaver. 2,518,963, Aug. 15.
Aldehydes. O. A. Moe and D. T. Warner. 2,508,927, May 23.
Aldehydes and alcohols and their preparation, Branched chain acyclic. A. A. Pavlic. 2,517,916, Aug. 8.
Aldehydes and preparation thereof, Unsaturated. R. H. Saunders. 2,501,144, Mar. 21.
Aldehydes by isomerization of olefin alpha oxides, Producing. E. C. Jacobs and L. G. Lundsted. 2,503,050, Apr. 4.
Aldehydes, Preparation of. J. J. Owen. 2,509,878, May 30.
Aldehydes, Production of unsaturated. H. O. Mottern and V. F. Mistretta. 2,530,987, Nov. 21.
Aldehydic acid ester acetals, Producing. W. J. Croxall and H. J. Schneider. 2,535,012, Dec. 19.
Aldehydo isomerization of olefin alpha oxides. E. C. Jacobs and L. G. Lundsted. 2,521,170, Sept. 5.
Aldol, Manufacture of. S. A. Miller and A. R. Hammond. 2,517,013, Aug. 1.
Alfalfa products, Producing. M. C. Rich. 2,520,061, Aug. 22.
Alginate solution, Aqueous alkali-metal. E. E. Tallis and H. R. S. Clotworthy. 2,499,697, Mar. 7.
Alginic acid sulfate anticoagulant. E. G. Snyder. 2,508,433, May 23.
Alicyclic monocarboxylates in hydrocarbon extraction. M. Buis. 2,516,614, July 25.
Alicyclic oxygen compounds, Preparation of. C. E. Morrell and L. M. Welch. 2,514,329, July 4.
Alidade bearing indicator. D. Jassy. 2,519,191, Aug. 15.
Aligner, Train and rail. R. V. Melior. 2,530,895, Nov. 21.
Aligning and creasing mechanism for plural webs. R. N. Ward and W. H. Matthews. 2,506,004, May 2.
Aligning apparatus and method, Radio receiver. M. E. Ames, Jr. 2,495,997, Jan. 31.
Aligning device. G. C. Aubin. 2,493,332, Jan. 3.
Aligning device for clapper boxes. W. F. Phillips. 2,494,961, Jan. 17.
Aligning device for endless bands, Automatic. G. C. B. Lister and T. E. Walsh. 2,521,071, Sept. 5.
Aligning highway crossing signal lamps. W. B. Wells. 2,520,866, Aug. 29.
Aligning means, Endless belt. G. A. Lyon. 2,526,033, Oct. 17.
Aligning means for crawl-carry transfer mechanism. S. Toorell. 2,529,747, Nov. 14.
Aligning mechanism control systems dependent upon a time derivative of the displacement. R. A. Polson and C. Dannatt. 2,533,042, Dec. 5.
Alignment system, Radio receiver. E. Toth. 2,499,429, Mar. 7.
Aliphatic alcohols, Preparation of. W. Hunter. 2,529,553, Nov. 14.
Aliphatic amines, Production of. J. D. Danforth. 2,518,528, Aug. 15.
Aliphatic-cyano-azo compounds. J. E. Castle. 2,515,628, July 18.
Aliphatic esters of 3,4-bis-(m-methyl-β-hydroxyphenyl)-2,4-hexadiene. V. Niederl and A. Bloom. 2,500,856, Mar. 14.
Aliphatic esters of 3,4-bis-(m-methyl-p-hydroxyphenyl) hexanes. V. Niederl and A. Bloom. 2,500,855, Mar. 14.
Aliphatic nitriles, Preparation of. W. D. Niederhauser. 2,493,637, Jan. 3.
Aliphatic nitriles, Production of. W. A. Stover. 2,518,397, Aug. 8.
Aliphatic olefins and cyclic process for manufacture thereof. L. F. Brooke, W. E. Elwell, and R. L. Meier. 2,500,307, Mar. 14.
Aliphatic trithiocarbonates. D. E. Badertscher, C. F. Feasley, and H. G. Berger. 2,498,936, Feb. 28.
Alkali alkyl xanthates, Preparation of. B. M. Vanderbilt and J. P. Thorn. 2,534,085, Dec. 12.
Alkali arsenite, phenols, and alkali phenolates, Production of. G. Lieberman. 2,495,215, Jan. 24.
Alkali cellulose, Preparing. J. G. Weeldenburg. 2,499,010, Feb. 28.
Alkali hypochlorite compositions, Manufacturing stable. S. L. Madorsky. 2,524,394, Oct. 3.
Alkali metal and ammonium permanganates, Making. T. Jaskowiak. 2,504,131, Apr. 18.
Alkali metal borohydrides, Preparing. H. I. Schlesinger and H. C. Brown. 2,534,533, Dec. 19.
Alkali metal derivatives of 2-aminopyridine, Preparation of. M. E. Hultquist and J. C. Paterson. 2,512,249, June 20.
Alkali metal di-salts of 2:3 hydroxynaphthoic acid, Preparation of. E. B. Higgins. 2,531,380, Nov. 28.
Alkali metal hydrides, Production of. V. L. Hansley, 2,504,927, Apr. 18.
Alkali metal methoxide polymerization of homocyclic compounds containing a carbonyl radical in the ring. E. C. Chapin and G. E. Ham. 2,516,835, Aug. 1.
Alkali-metal nitrates, Production of. L. A. Stengel. 2,535,989, Dec. 26.
Alkali-metal pentaalkyl tripolyphosphates as stabilizers for vinyl resins. C. E. Huff and G. A. Zimmerman. 2,499,503, Mar. 7.
Alkali metal phytates, The production of. N. E. Artz. 2,497,062–3, Feb. 14.
Alkali metal salt of sulfonilamidothiazole, Production of an. W. S. Harmon. 2,512,525, June 20.
Alkali metals and their hydrides as catalysts in amine condensation. G. M. Whitman. 2,501,556, Mar. 21.
Alkali-refining of fatty glycerides in the presence of an inorganic phosphate compound. S. J. Rini. 2,507,184, May 9.
Alkali silicate coating composition. A. McDonald. 2,509,875, May 30.
Alkaline and alkaline earth salts of inorganic esters of n-heterocyclic-1-phenol-4-sulfonamides. M. E. Hultquist and J. S. Webb. 2,519,314, Aug. 15.
Alkaline earth metal permanganates, Making. T. Jaskowiak. 2,504,130, Apr. 18.
Alkaline earth sulfonates. M. P. Kleinholz. 2,499,997, Mar. 7.
Alkaline earth sulfonates, Production of. C. A. Cohen. 2,532,997, Dec. 5.
Alkaline roasting of an acidic oxide ore. C. G. Maier. 2,501,952, Mar. 28.
Alkaline sulfite digestion of hardwood. E. Farber. 2,528,349, Oct. 31.
Alkaline sulfite digestion of hardwood. E. Farber. 2,528,351, Oct. 31.
Alkaloid purification. M. M. Balzer. 2,507,136, May 9.
Alkamine esters of 1-aryl-2,5-dialkylpyrrole-3,4-dicarboxylic acids. R. A. Walker and J. P. Sickels. 2,527,165, Oct. 24.
Alkamine sulfides of quinoline and producing the same. R. O. Clinton and C. M. Suter. 2,505,462, Apr. 25.
Alkane bis quaternary ammonium salts. P. L. de Benneville and R. W. Gormly. 2,525,779, Oct. 17.
Alkanedione dioximes as antioxidants for preserving organic compositions which tend to deteriorate by the absorption of oxygen from the air. H. B. Kellog. 2,497,061, Feb. 14.
Alkaryl sulfonate detergent composition, Noncaking. W. F. Waldeck. 2,515,577, July 18.
Alkenyl aromatic compounds, Method and intermediates for production of. R. R. Dreisbach, R. A. Martin, and A. J. Erbel. 2,507,506, May 16.
Alkenyl succinic acid grease. E. C. Knowles, G. W. Eckert, and O. P. Puryear. 2,528,373, Oct. 31.
Alkenyl thiophenes, Production of. P. M. Arnold. 2,512,596, June 27.
Alkenyl trifluoroacetates, Preparing. H. W. Coover, Jr., T. E. Stanin, and J. B. Dickey. 2,525,526, Oct. 10.
Alkine-SO_2 addition product. E. E. Gilbert and J. A. Otto. 2,515,444, July 18.
Alkoxy aminopyrimidines. H. L. Friedman and L. D. Braitberg. 2,517,650, Aug. 8.
Alkoxy borohydrides and their preparation. H. I. Schlesinger and H. C. Brown. 2,494,968, Jan. 17.
Alkoxyisobutyraldoximes, Preparation of. D. J. Butterbaugh. 2,496,198, Jan. 31.
Alkoxy isobutyric acids and derivatives thereof, Making. C. Weizmann. 2,525,249, Oct. 10.
Alkoxymethoxyalkyl vinyl ethers. W. F. Gresham. 2,513,642, July 4.
Alkoxyphenylalkyl - alkyl amines. R. Biedermann. 2,495,404, Jan. 24.
Alkoxy-substituted aldehydes, Preparation of. W. F. Gresham. 2,504,680, Apr. 18.
Alkoxy thiols, Production of. H. R. Snyder and J. M. Stewart. 2,497,422, Feb. 14.
Alkyd foam resins, Unsaturated. J. B. Ott. 2,529,512, Nov. 14.
Alkyd foam resins, Unsaturated. J. B. Ott. 2,532,240, Nov. 28.
Alkyd-melamine resin coating compositions. M. J. Scott and F. J. Hahn. 2,508,876, May 23.
Alkyd reacted with unsaturated isocyanate, Unsaturated. A. S. Nyquist and E. L. Kropa. 2,503,209, Apr. 4.
Alkyd resin stabilized with an N-arylhydroxy-3-naphthamide. T. F. Anderson. 2,532,475, Dec. 5.
Alkyd resins. O.-S. Linkletter and J. L. Johnson. 2,533,270, Dec. 12.
Alkyd resins and products, Manufacture of modified. C. A. Coffey, W. T. Walton, and N. Britan. 2,528,946, Nov. 7.

Alkyd resins and resins obtained therefrom, Producing. D. E. Adelson and H. F. Gray, Jr. 2,512,410, June 20.
Alkyd resins derived from cyclohexene oxide. M. F. Cukier. 2,515,758, July 18.
Alkyd resins prepared from tricarboxylic acid having the structural formula of the addition product of l-pimaric acid and fumaric acid. R. P. Silver. 2,522,586, Sept. 19.
Alkyl allyloxyalkyl maleates. H. T. Neher, E. H. Kroeker, and W. J. Croxall. 2,514,895, July 11.
Alkylaminoalkyl benzoates. A. C. Cope. 2,497,394, Feb. 14.
Alkylaminoalkylmercaptoalkyl esters of benzilic acid. R. O. Clinton, W. Huber, and G. M. Fohlen. 2,511,835, June 20.
Alkyl anilines, Preparation of. J. H. Boyd. 2,507,755, May 16.
Alkyl-aromatic compounds, Preparation of. G. C. Bailey and J. A. Reid. 2,519,099, Aug. 15.
Alkyl aryl hydrocarbons, Manufacture of. E. J. Schwoegler. 2,533,517, Dec. 12.
Alkyl benzene hydrocarbon sulfonates, Producing. D. A. Feil. 2,525,024, Oct. 10.
Alkyl benzenes, Production of. W. A. Schulze. 2,534,072, Dec. 12.
Alkyl benzenes, Production of. F. M. Smith. 2,507,765, May 16.
Alkyl benzenes, Production of. F. M. Smith and R. S. Hanmer. 2,507,766, May 16.
Alkyl benzyl phosphates and their production, Mixed. E. P. Plueddemann. 2,512,582, June 20.
Alkyl benzyl sebacates. S. J. Cohen. 2,500,893, Mar. 14.
Alkylcyclohexylmethylpyridines. F. E. Cislak, F. A. Karnatz, and K. Kelley. 2,505,461, Apr. 25.
Alkyl cyclopentane hydrocarbons, Manufacture of. V. N. Ipatieff and H. Pines. 2,502,569, Apr. 4.
Alkyl diaryl esters of ortho phosphoric acid, Production of. H. R. Gamrath. 2,504,121, Apr. 18.
Alkyl dibenzothiophene sulfonic acid. F. P. Richter and E. W. Fuller. 2,527,335, Oct. 24.
Alkyldihydrothebainones, Making. F. C. Whitmore and A. H. Homeyer. 2,510,731, June 6.
Alkyl dimethyl benzyl ammonium naphthenate. M. Nowak. 2,519,924, Aug. 22.
Alkyl disulfide, Production of. W. A. Schulze and J. P. Lyon, Jr. 2,517,934, Aug. 8.
Alkyl esters of alpha-beta unsaturated monocarboxylic acids from a beta-lactone and an alcohol, Producing. F. W. Shaver. 2,510,423, June 6.
Alkyl esters of glycol polycarboxylic acid esters. E. S. Blake. 2,497,433, Feb. 14.
Alkyl esters of phosphoric acid, The preparation of neutral. D. C. Hull and J. R. Snodgrass. 2,508,389, May 23.
Alkyl esters of sulfonated monohydroxybenzoic acids. J. O. Harris. 2,527,880, Oct. 31.
Alkyl esters of 3-hydroxy-11-keto-12-bromonorcholanic acid, Preparing lower. E. C. Kendall. 2,495,735, Jan. 31.
Alkyl ethers of 3-hydroxyphenothiazine. D. F. Houston. 2,505,772, May 2.
Alkylfluorosilanes, Preparing. B. A. Bluestein. 2,519,879, Aug. 22.
Alkylidenesuccinic esters, Preparing. M. C. Kloetzel. 2,498,371, Feb. 21.
Alkyl fumarates and process, Polymerized. J. H. Bartlett. 2,509,203, May 30.
Alkyl isodehydroacetates, Preparing. H. W. Coover, J. E. Guillet, and J. B. Dickey. 2,529,917, Nov. 14.
Alkyllead compounds, Manufacture of. G. Calingaert and H. Shapiro. 2,535,190–2, Dec. 26.
Alkyl malonamates as azo coupling components in diazotype layers. H. C. Unkauf. 2,533,185, Dec. 5.
Alkyl mono-nitrophenyl thionobenzene-phosphonates and insecticidal compositions containing the same. A. G. Jelinek. 2,503,390, Apr. 11.
Alkyl or allyl trichlorophenyl carbonates. C. L. Moyle. 2,510,025, May 30.
Alkyl phenol-hydroxylamine mixtures as polymerization shortstops. F. W. Banes and E. Arundale. 2,514,363, July 11.
Alkyl phenols, Purification of. J. J. Ayo and F. J. Gajewski. 2,529,209, Nov. 7.
Alkyl pyridines, Production of. G. W. Hearne and V. W. Buls. 2,520,097, Aug. 22.
Alkyl pyridines, Production of. J. E. Mahan. 2,523,580, Sept. 26.
Alkylsilahydrocarbons. J. T. Goodwin, Jr. 2,511,812, June 13.
Alkyl substituted piperonyl cyclohexenones. O. F. Hedenburg. 2,524,107, Oct. 3.
Alkyl substituted thiophene sulfonic acid salts as detergents in mineral oil compositions. O. M. Reiff and H. J. Andress, Jr. 2,518,372, Aug. 8.
Alkyl sulfonates, Preparation of. D. Harman. 2,504,411, Apr. 18.
Alkylsulfonic acid salts of dihydroergocornine. A. Stoll and A. Hofmann. 2,507,829, May 16.
Alkyl-sulfonic acid salts of dihydroergocryptine. A. Stoll and A. Hofmann. 2,507,831, May 16.
Alkylsulfonic acid salts of dihydroergosine. A. Stoll and A. Hofmann. 2,507,833, May 16.
Alkylthiol amines and their production, Secondary and tertiary. H. R. Snyder and J. M. Stewart. 2,505,870, May 2.
Alkylated aromatic hydrocarbons and sulfonation thereof, Preparation of. J. Q. Cope and J. W. Scott, Jr. 2,531,324, Nov. 21.
Alkylating alkoxy silanes. L. Tiganik. 2,521,267, Sept. 5.
Alkylating isoparaffins with 2-olefins. M. P. Matuszak. 2,502,015, Mar. 28.
Alkylating pyridine ring compounds. W. H. Rieger. 2,502,174, Mar. 28.
Alkylation of aromatic compounds in liquid catalyst solutions. H. J. Tadema. 2,510,937, June 6.
Alkylation of aromatic hydrocarbons. C. A. Cohen and C. W. Muessig. 2,521,344, Sept. 5.
Alkylation of aromatic hydrocarbons. C. F. Feasley. 2,502,000, Mar. 28.
Alkylation of aromatic hydrocarbons with tertiary aliphatic mercaptans. C. F. Feasley. 2,502,001, Mar. 28.
Alkylation of benzene. A. N. Sachanen and P. D. Caesar. 2,506,551, May 2.
Alkylation of thiophene compounds. K. L. Kreuz. 2,531,280, Nov. 21.
Alkylation process. A. Gislon. 2,495,323, Jan. 24.
Alkylbenzenesulfonate detergents containing guanidine salts of inorganic acids. E. A. Vitalis. 2,535,972, Dec. 26.
Alkylene-bridged 5,6-dihydroxyquinolines. W. A. Lott. 2,530,831, Nov. 21.
Alkylene polyamine derivatives. F. C. Bersworth. 2,530,147, Nov. 14.
Alkylene polyamine derivatives. F. C. Bersworth. 2,532,391, Dec. 5.
Alkylolamides of the acrylic acid series and their polymers. G. D. Jones. 2,508,717, May 23.
Alkyloltetrahydropyran, Preparation of substituted. W. F. Gresham and W. E. Grigsby. 2,493,964, Jan. 10.
Alkyloltetrahydropyran, preparation of substituted. W. F. and W. E. Grigsby. Re. 23,248, July 18.
Alkynyl-alkenylcarbinols, Preparation of. I. M. Heilbron and E. R. H. Jones. 2,525,672, Oct. 10.
All relay system in which local called telephone line is fed talking battery from connector or repeater. R. W. Jones. 2,522,720, Sept. 19.
All relay telephone selector switch. W. T. Powell. 2,513,048, June 27.
Alloy: *See*—
- Age hardenable nickel alloy.
- Aluminum base alloy.
- Copper base alloy.
- Forging aluminum alloy.
- Heat-resistant steel alloy.
- High-temperature alloy.
- High-temperature cobalt alloy.
- Hot-rolled binary zinc-titanium alloy.
- Magnetic alloy.
- Metal alloy.
- Nickel base alloy.
- Nickel-cobalt heat-resisting alloy.
- Weldable nickel base alloy.
- Wrought alloy.

Alloy article for use at elevated temperatures. R. Franks and W. O. Binder. 2,513,467, July 4.
Alloy articles for high-temperature service. R. Franks and W. O. Binder. 2,513,468, July 4.
Alloy articles for high-temperature service. R. Franks and W. O. Binder. 2,513,471, July 4.
Alloy articles for use at high temperatures. R. Franks and W. O. Binder. 2,513,469, July 4.
Alloy articles for use at high temperatures. R. Franks and W. O. Binder. 2,513,472, July 4.
Alloy articles having great strength at high temperatures, Ferrous. R. Franks and W. O. Binder. 2,513,470, July 4.
Alloy body and producing same, Lead base. G. M. Bouton, K. M. Olsen, and E. E. Schumacher. 2,499,566, Mar. 7.
Alloy for introducing zirconium into magnesium, Master. C. J. P. Ball, F. A. Fox, A. C. Jessup, and E. F. Emley. 2,497,530, Feb. 14.
Alloy having high elastic strengths. O. E. Harder and D. A. Roberts. 2,524,661, Oct. 3.
Alloy having low coefficient of expansion, Aluminium. H. H. Hall and M. A. Wheeler. 2,525,130, Oct. 10.
Alloy plating, Bright. G. W. Jernstedt. 2,530,967, Nov. 21.
Alloy products, Coated cobalt. A. L. Feild. 2,513,303. July 4.
Alloy steel and articles thereof, Heat- and corrosion-resisting. P. Payson, R. Schempp and C. H. Savage. 2,518,715, Aug. 15.
Alloy steels. W. L. Forster. 2,499,306, Feb. 28.
Alloy steels, Age hardening austenitic. P. Payson. 2,523,917, Sept. 26.
Alloy steels for use at elevated temperatures. L. Rotherham and C. Sykes. 2,504,453, Apr. 18.
Alloying composition for introducing zirconium into magnesium. C. J. P. Ball, A. C. Jessup, E. F. Emley, and P. A. Fisher. 2,497,531, Feb. 14.
Alloys, Age hardenable nickel. C. G. Bieber and M. P. Buck. 2,515,184, July 18.
Alloys, Age hardenable nickel. C. G. Bieber and M. P. Buck. 2,515,186, July 18.
Alloys and dentures made thereof. D. A. Tifft. 2,506,526, May 2.
Alloys and rectifiers made thereof. K. Lark Horovitz and R. M. Whaley. 2,514,879, July 11.

Alloys and resistance elements formed therefrom, Cobalt base. E. S. Greiner. 2,506,420, May 2.
Alloys, Magnesium-base. A. H. Hesse. 2,507,714, May 16.
Alloys, Magnetic. E. A. Nesbitt. 2,514,667, July 11.
Alloys, Making. J. J. McLaughlin. 2,500,912, Mar. 14.
Alloys, Manufacture of. J. H. Ramage. 2,498,769, Feb. 28.
Alloys, Manufacture of hard sintered. M. Oswald. 2,507,218, May 9.
Alloys, Nickel steel. H. D. Newell. 2,532,117, Nov. 28.
Alloys of germanium and making same. R. M. Whaley. 2,505,633, Apr. 25.
Allyl acrylate from acrolein, Production of. G. W. Hearne and C. G. Schwarzer. 2,516,627, July 25.
Allyl beta-alloxypropionate. E. J. Kelley and H. T. Neher. 2,494,880, Jan. 17.
Allyl esters of aminoarylcarboxylic acids. C. R. Milone. 2,522,393, Sept. 12.
Allyl esters of cyclohexyl substituted succinic acids. J. A. Cottrell, D. H. Hewitt, F. Armitage, E. Booth, and R. H. Buckle. 2,496,271, Feb. 7.
Allyl polyesters of amino alkyl carboxylic acids. C. E. Gleim. 2,508,249, May 16.
Allyl, vinyl ethers of polyhydric alcohols. F. W. Hoover. 2,518,321, Aug. 8.
Allylic fumarate-allylic alcohol interpolymers. R. H. Snyder. 2,504,052, Apr. 11.
Allylic substituted acetic acids, Preparing. R. T. Arnold. 2,526,108, Oct. 17.
Allylic substituted 9-fluorenecarboxylic acids, Preparing. R. T. Arnold. 2,526,109, Oct. 17.
Allyl-substituted 1,3,5-trimethylene trisulfone. E. M. Evans and H. T. Hookway. 2,535,534, Dec. 26.
α-acylamido acetoacetic ester, Preparing. M. Tishler and E. E. Howe. 2,521,810, Sept. 12.
α-Acylamido-β-hydroxy nitro substituted propiophenones. L. M. Long. 2,515,239, July 18.
Alpha-acylamino-alpha-substituted-acetic acids, Preparation of. N. F. Albertson. 2,531,595, Nov. 28.
Alpha-beta-substituted aliphatic acids and their salts and esters and their manufacture. E. Schwenk and D. Papa. 2,516,153, July 25.
Alpha : beta : 2 : 2'-tetramethyl-4 : 4'-dihydroxystilbene. E. Walton and B. J. F. Hudson. 2,496,968, Feb. 7.
α-chlorovinylsilanes. L. H. Sommer. 2,512,390, June 20.
Alpha-cyano, alpha-alkyd glutaraldehydic acids. D. T. Warner and O. A. Moe. 2,532,047, Nov. 28.
Alpha-cyano glutaraldehydic acids. D. T. Warner and O. A. Moe. 2,532,048, Nov. 28.
Alpha-ionones, Preparing. G. C. Kitchens. 2,517,576, Aug. 8.
Alpha-irone isomers by cyclization of pseudo-irones, Preparing. Y.-R. Naves. 2,517,800, Aug. 8.
Alpha-methoxy propionitrile, Preparation of. E. W. Shand. 2,511,653, June 13.
Alpha, omega-bis (2-chloroethoxy) polymethylpolysiloxane. E. R. Lieberman. 2,506,676, May 9.
α-phenylacetamido-β,β-dialkoxypropionic acid and preparing same. S. A. Harris, G. E. Arth, C. H. Hoffman, and K. Folkers. 2,523,621, Sept. 26.
α-phenyl-α-(4-quinolyl) acetonitriles and their preparation. A. R. Surrey and R. A. Cutler. 2,519,411, Aug. 22.
Alpha phenyl chloride from hydrogen chloride-formaldehyde solution and thiophene. L. P. Kyrides and D. G. Sheets. 2,527,680, Oct. 31.
α-(phthalimidomethyl-anilino)-anthraquinones and preparing the same. D. I. Randall and E. E. Renfrew, Jr. 2,533,178, Dec. 5.
Alpha ray source and producing same. M. Blau and B. Pregel. 2,510,795, June 6.
Alpha-substituted acrylic acid esters and preparation. D. D. Reynolds and W. O. Kenyon. 2,514,672, July 11.
Alpha-substituted haloacrylic compounds and their manufacture. C. E. Barnes. 2,514,305, July 4.
Altar construction, Portable. E. I. Cohen. 2,522,210, Sept. 12.
Altar construction, Portable. E. I. Cohen. 2,529,002, Nov. 7.
Altering the temperature of fluids. M. Berlowitz. 2,522,086, Sept. 12.
Alternately operated changeable sign. G. G. McPhaul. 2,510,409, June 6.
Alternating-current commutator motor. L. C. Weathers. 2,505,019, Apr. 25.
Alternating-current generator. E. P. Buckthal. 2,528,111, Oct. 31.
Alternating current generator. R. Goldschmidt. 2,516,380, July 25.
Alternating current generator. B. Hybler. 2,501,222, Mar. 21.
Alternating current generator. E. H. Yonkers. 2,500,730, Mar. 14.
Alternating-current hoist control. W. R. Wickerham. 2,533,412, Dec. 12.
Alternating current supply system. J. G. Sola. 2,535,169, Dec. 26.
Alternating voltage regulator. O. H. Winn. 2,513,983, July 4.
Alternator. S. S. Green. 2,516,114, July 25.
Altimeter. A. Menzer and W. E. Naylor. 2,516,639, July 25.
Altimeter. J. D. Weston. 2,495,795, Jan. 31.
Altimeter and panoramic reception system, Radio. M. Wallace. 2,534,839, Dec. 19.
Altimeter, Differential. W. Shockley. 2,509,889, May 30.
Altimeter, Dual range frequency-modulated radio. C. J. H. A. Staal and H. van de Weg. 2,505,692, Apr. 25.
Altimeter having automatic range switching means, Dual range radio. J. Hendrich. 2,512,330, June 20.
Altimeter indicator. J. Komm. 2,518,151, Aug. 8.
Altimeter, particularly applicable to low altitudes, Aircraft. A. J. Ortusi and M. Ponte. 2,530,905, Nov. 21.
Altimeter with mechanically driven indicator, Pulse echo. I. Wolff and P. J. Herbst. 2,513,988, July 4.
Altitude control for aircraft. R. Hofstadter. 2,507,304, May 9.
Altitude switch. J. E. Bevins. 2,522,596, Sept. 19.
Alumina base catalyst and its preparation, Four-component. R. L. Parker, Jr., and H. C. Huffman. 2,518,714, Aug. 15.
Alumina catalyst, Preparation of pelleted. J. R. Owen. 2,499,675, Mar. 7.
Alumina gel, Preparing. W. A. Patrick, Jr. 2,503,168, Apr. 4.
Alumina insulating material and making the same. F. H. Riddle. 2,524,601, Oct. 3.
Alumino silicate cation exchangers. C. Calmon. 2,512,053, June 20.
Aluminum alloy fastening element. E. H. Dix, Jr. 2,501,440, Mar. 21.
Aluminum alloys. L. W. Smith and V. J. Pingel. 2,511,551, June 13.
Aluminum base alloy. E. G. Grundstrom. 2,526,227, Oct. 17.
Aluminum base grease, Manufacturing an. A. E. Calkins, R. Darley and A. Beerbower. 2,514,311, July 4.
Alumina-based phosphor. S. Jones. 2,523,026, Sept. 19.
Aluminum foil, Heat-treating. A. G. Jarvie and C. H. Hannon. 2,506,364, May 2.
Aluminum gun case. A. Kempken. 2,519,662, Aug. 22.
Aluminum hexacarbamide periodide as water disinfectant. J. C. Morris. 2,498,174, Feb. 21.
Aluminum methionate. J. E. Christian and G. L. Jenkins. 2,504,107, Apr. 18.
Aluminum paste pigment. E. R. Allen. 2,525,279–80, Oct. 10.
Aluminum paste pigment. A. F. Knoll. 2,525,301, Oct. 10.
Aluminum plates to receive silver halide emulsion, Preparing. B. F. Terry. 2,494,729, Jan. 17.
Aluminum salt composition and producing same. L. Schmerling. 2,522,641, Sept. 19.
Aluminum stearate solution. J. Cunder and F. J. Licata. 2,494,331, Jan. 10.
Aluminum thallium bearing. F. R. Hensel and E. I. Larsen. 2,531,910, Nov. 28.
Aluminum-to-copper connection, Soldered. J. Rogoff. 2,513,365, July 4.
Amalgamator. A. Ferguson. 2,501,667, Mar. 28.
Amalgamator, Dental. A. A. Greenberg. 2,524,523, Oct. 3.
Amalgamator, Dental. F. L. Stevens. 2,518,396, Aug. 8.
Ambrosia. J. I. Thompson and R. Flowers. 2,534,484, Dec. 19.
Ambulance cot cover. D. M. Harbaugh. 2,513,479, July 4.
Ambulance cot hook. E. L. Schofield. 2,529,517, Nov. 14.
Amide composition. L. O. Gunderson. 2,528,274, Oct. 31.
Amide-epoxy-phenol compositions. S. O. Greenlee. 2,510,885–6, June 6.
Amides of α:β-unsaturated carboxylic acids and making same. H. Martin and A. Margot. 2,505,682, Apr. 25.
Amides of dicarboxylic acid derivatives of 2-sulfanilamidothiazole. H. E. Faith. 2,518,228, Aug. 8.
Amides of fluorinated propionic acids. D. W. Chaney. 2,514,473, July 11.
Amides, Preparing. D. T. Mowry. 2,534,204, Dec. 12.
Amides, Preparing unsaturated. D. T. Mowry. 2,529,455, Nov. 7.
Amido pyrophosphates, Alkyl substituted. G. M. Kosolapoff. 2,502,966, Apr. 4.
Amine activated emulsion polymerization process. G. E. Serniuk. 2,529,315, Nov. 7.
Amine addition salts of steroid-3-monosulfates. G. A. Grant, W. L. Glen, and R. J. Barber. 2,534,121, Dec. 12.
Amine derivatives of chloromethyl dihydrosafrol. H. Wachs. 2,521,811, Sept. 12.
Amine salts of penicillin. D. E. Cooper. 2,504,182, Apr. 18.
Amines and nitriles from ammonia and olefins, Preparing. J. W. Teter and L. E. Olson. 2,520,181, Aug. 29.
Amines containing the ring system of lysergic acid or dihydrolysergic acid and making same. A. Stoll, A. Hofmann, and F. Troxler. 2,533,699, Dec. 12.
Amines, Preparation of. W. F. Gresham, R. E. Brooks, and W. M. Bruner. 2,501,509, Mar. 21.
Amino-acetals, Cyclic. R. Sallmann and C. Greenacher. 2,513,747, July 4.
Amino-acids and intermediates therefor, Production of. J. Lincoln. 2,514,549, July 11.
Amino acids and salts, Production of. F. A. Hoglan. 2,519,573, Aug. 22.
Amino acids, Production of. J. E. Livak and E. C. Britton. 2,527,366, Oct. 24.
Amino alcohols, Preparation of. S. A. Ballard and B. P. Keyer. 2,513,132, June 27.
Amino alcohols, Preparation of. V. E. Haury. 2,497,548, Feb. 14.

Amino-aldehyde resins, Plasticized. J. T. Stephan. 2,535,020, Dec. 19.
Amino alkyleneoxide polymerization product. S. A. Ballard, R. C. Morris, and J. L. Van Winkle. 2,498,195, Feb. 21.
Amino-alkyl esters of diphenylamine 2-monocarboxylic acids. A. A. Goldberg and H. S. Turner. 2,502,451, Apr. 4.
Amino-alkyl thiol-ester hydrochloride, Preparing a tertiary. R. O. Clinton. 2,510,773, June 6.
Amino-anthraquinone-carboxylic-amide dyes and their manufacture. H. C. Olpin and K. R. House. 2,507,574, May 16.
Amino cyclohexyl ethers. J. W. Cusic. 2,508,499, May 23.
Amino ethers. G. Rieveschl, Jr. 2,527,962, Oct. 31.
Aminoalkyl esters of dithienyl aliphatic acids. F. F. Blicke. 2,533,084, Dec. 5.
Aminoalkyl sulfonyl piperazines and preparing same. R. M. Jacob and E. Suau. 2,513,026, June 27.
Aminobenzene compounds containing fluorine. J. B. Dickey. 2,516,106, July 25.
Aminohydroxybutenes. F. F. Blicke. 2,533,085, Dec. 5.
Aminomethyl compounds of the polycyclic diketo series and N-phthaloyl derivatives thereof. D. I. Randall and S. R. Buc. 2,535,987, Dec. 26.
Aminophenols as stabilizers for diphenyl polyhaloethane emulsions. F. M. Majewski. 2,503,915, Apr. 11.
Aminophenols, Preparing. F. R. Bean. 2,525,515, Oct. 10.
Aminoplastic compositions, Rapidly curing thermosetting. D. E. Nagy. 2,523,477, Sept. 26.
Aminoplasts containing silicon. H. A. Walter. 2,514,268, July 4.
Aminopurine lactates. G. H. Hitchings. 2,506,786, May 9.
Amino-thiophanthraquinones. H. R. Lee and V. Weinmayr. 2,501,132, Mar. 21.
Aminotriazine-organosilicon composition. C. A. MacKenzie and J. B. Rust. 2,500,842, Mar. 14.
Ammeter, Thermistor high-frequency. O. H. Schmitt. 2,533,289, Dec. 12.
Ammonia distillation. D. Fulton. 2,519,451, Aug. 22.
Ammonia distillation system. F. E. Gilmore. 2,501,326, Mar. 21.
Ammonia recovery unit. A. S. Brunjes. 2,533,992, Dec. 12.
Ammonia synthesis. C. N. Richardson. 2,500,008, Mar. 7.
Ammonium beryllium fluoride, Production of. H. C. Kawecki and G. F. Simons. 2,532,102, Nov. 28.
Ammonium chloroiridite solution, Preparation of substantially pure. A. R. Raper and S. J. R. Fothergill. 2,535,551, Dec. 26.
Ammonium compounds, Aromatic diquaternary. A. S. Du Bois and E. I. Valko. 2,520,275, Aug. 29.
Ammonium compounds from halomethylated 3,5-dimethylphenyl polyethers, Quaternary. P. L. de Benneville and L. H. Bock. 2,499,214, Feb. 28.
Ammonium halides of amino benzhydryl ethers, Quaternary. G. Rieveschl, Jr. 2,508,422, May 23.
Ammonium nitrate charges, Production of. W. R. Davis. 2,509,812, May 30.
Ammonium salt of polymeric N-hydroxymethyl amic acids and water-repellent compositions containing them. M. E. Cupery. 2,504,003, Apr. 11.
Ammonium salts and magnetic iron oxide from solutions of ferrous salts, Manufacturing. R. D. Hoak. 2,529,874, Nov. 14.
Ammonium salts of bis-quinolyloxy-ω,ω'-alkanes and their production, Quaternary. D. M. G. Marcilhacy and R. J. Horclois. 2,499,661, Mar. 7.
Ammonium salts of pyridine compounds, Quaternary. F. C. Bersworth. 2,520,902, Sept. 5.
Ammonium sulfate crystals, Manufacture of improved. S. P. Robinson. 2,516,420, July 25.
Ammonium sulfate, Process and apparatus for manufacture of. C. Otto. 2,509,520, May 30.
Ammonium sulfate production. H. D. Chapman, W. I. Denton, and R. B. Bishop. 2,524,341, Oct. 3.
Ammonium thiocyanate-aldehyde-furfuryl alcohol resins. A. P. Dunlop and P. R. Stout. 2,526,643, Oct. 24.
Ammonium zirconium sulfate salt, Preparing. W. B. Blumenthal. 2,525,474, Oct. 10.
Ammunition. G. N. Albree. 2,493,938, Jan. 10.
Ammunition. R. T. Catlin. 2,522,208, Sept. 12.
Ammunition assembly machine. A. F. Gagne, Jr. 2,514,946, July 11.
Ammunition box holder. G. H. Collins. 2,505,097, Apr. 25.
Ammunition charging device for automatic arms. B. Maillard. 2,503,116, Apr. 4.
Ammunition container. R. M. Bates. 2,514,364, July 11.
Ammunition feed mechanism for machine guns. E. C. M. d'Assis-Fonseca. 2,521,346, Sept. 5.
Ammunition feeder. W. E. Naugler and E. W. Stacey. 2,524,132, Oct. 3.
Ammunition feeder. E. W. Stacey and F. W. Reinhold. 2,494,728, Jan. 17.
Ammunition feeding device for ordnance. V. P. Harvey, G. F. W. Powell and W. Wood. 2,499,271, Feb. 28.
Ammunition for recoilless firearms. W. J. Kroeger and C. W. Musser. 2,529,504, Nov. 14.
Ammunition magazine. O. R. Haas. 2,517,660, Aug. 8.
Ammunition making machinery. W. S. Reynolds. 2,508,469, May 23.
Ammunition manufacture. F. Fischer. 2,506,144, May 2.
Ammunition packing device. P. F. Lambert. 2,494,564, Jan. 17.
Ammunition shell. H. C. Luft. 2,526,146, Oct. 17.
Ammunition, Thermit. M. E. Barker. 2,534,215, Dec. 19.
Amorphous silica and making same. H. I. Wolff. 2,535,659, Dec. 26.
Amphibious equipment for vehicles. A. H. Benson. 2,497,857, Feb. 21.
Amphibious vehicle. J. E. Hale, J. H. Cox, and J. G. Kreyer. 2,514,488, July 11.
Amphibious vehicle. E. C. Higgins. 2,503,111, Apr. 4.
Amphoteric amides of acrylic acid and their polymers, Preparation of. G. D. Jones. 2,508,718, May 23.
Amplification system for noncontacting thickness gauges. S. Bernstein. 2,518,115, Aug. 8.
Amplification system for very short waves, Power. H. Chireix. 2,529,073, Nov. 7.
Amplifier. G. Cantor. 2,520,907, Sept. 5.
Amplifier, Audio-frequency. R. L. Umbenhauer. 2,512,398, June 20.
Amplifier automatic gain control circuit. J. R. Wilkerson. 2,520,989, Sept. 5.
Amplifier, Balanced magnetic. H. W. Lord. 2,509,738, May 30.
Amplifier bias system. J. A. Wippert. 2,504,480, Apr. 18.
Amplifier, Cathode-ray deflection type. G. C. Sziklai. 2,496,361, Feb. 7.
Amplifier, Chatter-free torque. R. F. Wild and R. B. Darnielle. 2,497,051, Feb. 7.
Amplifier, Coded carrier signaling apparatus. C. Volz. 2,515,916, July 18.
Amplifier compensated for cathode emission changes. N. D. Newby. 2,511,122, June 13.
Amplifier, Compensated power supply. E. F. Grant. 2,504,829, Apr. 18.
Amplifier, Direct coupled balanced. R. G. Nye. 2,531,458, Nov. 28.
Amplifier, Direct-current. S. Freedman and G. F. Bonardi. 2,524,165, Oct. 3.
Amplifier, Drift compensated direct-current. L. W. Parker. 2,513,354, July 4.
Amplifier, Electromagnetic. S. E. Hedström. 2,509,864, May 30.
Amplifier, Electromagnetic wave. D. E. Sunstein. 2,509,374, May 30.
Amplifier, Electron discharge power. P. T. Smith. 2,512,859, June 27.
Amplifier, Follow-up type power. E. M. May. 2,503,447, Apr. 11.
Amplifier for eliminating oppositely directed signals, Two-way. G. E. Brode and H. B. Steinhauser. 2,496,266, Feb. 7.
Amplifier for gamma control, Nonlinear. E. A. Newman. 2,509,987, May 30.
Amplifier for hydraulic governing systems, Pressure change. S. Jacobs. 2,534,974, Dec. 19.
Amplifier for inductive loads, Magnetic. W. L. O. Graves. 2,516,563, July 25.
Amplifier for musical instruments, Tone. A. De Luca. 2,530,155, Nov. 14.
Amplifier for reversible currents, Magnetic. H. Forssell. 2,504,675, Apr. 18.
Amplifier for servo devices, Electronic. F. H. Shepard, Jr. 2,497,962, Feb. 21.
Amplifier for servomotor systems, Direct coupled. P. Halpert. 2,524,053, Oct. 3.
Amplifier generator. J. M. Tyrner. 2,528,478, Oct. 31.
Amplifier, Hearing aid. J. W. Crownover and H. A. Pearson. 2,528,498, Nov. 7.
Amplifier, High-frequency. C. W. Hansell. 2,498,267, Feb. 21.
Amplifier, High-frequency. G. T. Royden. 2,498,711, Feb. 28.
Amplifier, High-power audio frequency. W. B. Bruene. 2,516,181, July 25.
Amplifier, including automatic volume control, Negative feedback. C. J. van Loon. 2,523,403, Sept. 26.
Amplifier, Level-stabilized modulated carrier. M. L. Doelz. 2,531,935, Nov. 28.
Amplifier, Logarithmic. J. A. Hipple, Jr. 2,496,723, Feb. 7.
Amplifier, Logarithmic cascade. J. L. Lawson and F. W. Martin. 2,496,551, Feb. 7.
Amplifier, Low-frequency. W. A. Anderson. 2,525,632, Oct. 10.
Amplifier, Low-frequency power. L. L. Pourciau and R. L. Garman. 2,529,459, Nov. 7.
Amplifier, Negative feedback. S. T. Meyers. 2,500,424, Mar. 14.
Amplifier, Noise-level responsive. W. H. Mayne. 2,524,985, Oct. 10.
Amplifier of the magnetron type. W. C. Brown. 2,509,419, May 30.
Amplifier, Peak limiting expanding. W. W. H. Dean. 2,507,145, May 9.
Amplifier, Permeability-tuned high-frequency. M. I. Burgett. 2,514,357, July 11.
Amplifier, Permeability-tuned variable-frequency. R. A. Varone. 2,517,741, Aug. 8.
Amplifier, Phase-inverter. E. E. Carpentier. 2,528,484, Nov. 7.
Amplifier, Pressure fluid power. E. G. Staude. 2,524,682, Oct. 3.

Amplifier, Pulse. G. L. Hollingsworth. 2,503,909, Apr. 11.
Amplifier, Radioaltimeter. L. Couillard. 2,513,454, July 4.
Amplifier, Rectangular pulse. Q. A. Kerns. 2,500,756, Mar. 14.
Amplifier, Selective. D. L. Hings. 2,533,802, Dec. 17.
Amplifier, Self-biased solid. H. L. Barney and R. C. Mathes. 2,517,960, Aug. 8.
Amplifier, Self-tuning. C. E. Hallmark. 2,523,294, Sept. 26.
Amplifier, Semiconductor. G. L. Pearson and W. Shockley. 2,502,479, Apr. 4.
Amplifier, Semiconductor. W. Shockley. 2,502,488, Apr. 4.
Amplifier, Stabilized high-frequency. T. Murakami. 2,508,416, May 23.
Amplifier system, Expander-contractor. W. J. Stolze and F. C. Gow. 2,509,705, May 30.
Amplifier system, Limiting. E. E. Schroeder. 2,497,691, Feb. 14.
Amplifier system, Selective. E. Toth. 2,505,813, May 2.
Amplifier, Torque. E. S. Hughes, V. L. Agy, and R. J. Duffin. 2,515,042, July 11.
Amplifier, Trigger. T. E. Goodwin. 2,516,201, July 25.
Amplifier, Two-way. J. P. Giacoletto. 2,527,125, Oct. 24.
Amplifier, Variable frequency band width. W. H. Jordan. 2,527,737, Oct. 31.
Amplifier, Variable gain voltage. G. B. Loper. 2,497,835, Feb. 14.
Amplifier, Wide frequency band. W. A. Montgomery. 2,524,821, Oct. 10.
Amplifier, Wide range. N. H. Young, Jr., and L. W. Parker. 2,499,443, Mar. 7.
Amplifier with negative feedback. H. G. Beljers, W. Six, and J. te Winkel. 2,494,426, Jan. 10.
Amplifier with pulsating bias. D. L. Markusen. 2,510,707, June 6.
Amplifier with separate channels for high and low frequencies, Video. O. H. Schade. 2,534,627, Dec. 19.
Amplifiers, radio transmitters, and the like, High-frequency. E. Green and V. O. Stokes. 2,512,742, June 27.
Amplifying and demodulating system, Wide dynamic range. W. R. Bliss. 2,515,187, July 18.
Amplifying apparatus, Push-pull high-frequency. M. J. O. Strutt and A. van der Ziel. 2,530,636, Nov. 21.
Amplifying arrangement for self-synchronizing transmission systems. W. Politzer. 2,521,994, Sept. 12.
Amplifying circuit. S. C. Hurley, Jr. 2,499,921, Mar. 7.
Amplifying device, Telephone auxiliary. A. T. McWane. 2,501,955, Mar. 28.
Amplifying small movements and apparatus for the application thereof. G. Minot. 2,507,990, May 16.
Amplifying system provided with parallel electron discharge paths having different mutual conductances. G. H. P. Alma and P. F. van Eldik. 2,530,591, Nov. 21.
Amplitude and frequency discriminatory gating circuit. L. P. Thomas, Jr. 2,535,821, Dec 26.
Amplitude control of electric oscillations. M. M. Levy. 2,512,658, June 27.
Amplitude limiter. J. van Slooten. 2,511,656, June 13.
Amplitude limiter. J. A. Worcester, Jr. 2,524,556, Oct. 3.
Amplitude modulation. J. S. Donal, Jr. 2,502,077, Mar. 28.
Amplitude modulation. R. R. Law. 2,507,721, May 16.
Ampoule for hypodermic syringes. A. E. Smith. 2,505,398, Apr. 25.
Ampoule holding rack. T. J. Carski. 2,532,604, Dec. 5.
Ampoule neck cutter. J. D. Sirica. 2,503,517, Apr. 11.
Ampoule with breakable neck. W. F. Smith. 2,517,604, Aug. 8.
Amusement and exercising apparatus. T. A. Hall. 2,529,017, Nov. 7.
Amusement apparatus. J. W. Barker. 2,505,659, Apr. 25.
Amusement apparatus. J. C. Koci. 2,513,728, July 4.
Amusement device. L. E. Cooke. 2,509,860, May 30.
Amusement device. H. D. Duncan. 2,499,470, Mar. 7.
Amusement device. A. W. Groh. 2,524,906, Oct. 10.
Amusement device. R. A. Hamilton. 2,495,967, Jan. 31.
Amusement device. C. Herrmann. 2,528,516, Nov. 7.
Amusement device. C. E. Larson. 2,497,003, Feb. 7.
Amusement device, Finger pressure actuated message interpreting. R. S. Richmond. 2,511,377, June 13.
Amusement device, Musical. S. V. Lippman. 2,508,830, May 23.
Amusement device, Phonograph. H. Vitarelli. 2,518,206, Aug. 8.
Amusement device simulating air combat. A. G. Dreyer. 2,502,834, Apr. 4.
Amusement machine. F. J. Peacock. 2,534,730, Dec. 19.
Amusement or exercising device. W. Pratt. 2,506,890, May 9.
Amylase of Bacillus Macerans, Production of the. R. W. Liggett and W. C. Mussulman. 2,494,514, Jan. 10.
Anacardic-chloroanacardic reaction products. E. E. Novotny and G. K. Vogelsang. 2,520,331, Aug. 29.
Analysis and control of the composition of lead alloys. G. M. Bouton and G. S. Phipps. 2,517,380, Aug. 1.
Analysis system, Statistical. A. C. Nielsen and H. A. Rahmel. 2,501,080, Mar. 21.
Analyzer. G. D. McCann. 2,525,496, Oct. 10.
Analyzer, Chart. J. Deitz. 2,500,935, Mar. 21.
Analyzer, Differential. S. Darlington. 2,494,036, Jan. 10.
Analyzer for fluid-distribution systems, Electric. M. S. McIlroy. 2,509,042, May 23.
Analyzer, Process and control. G. A. Philbrick. 2,503,213, Apr. 4.
Analyzer, Vacuum. J. G. Backus. 2,499,288, Feb. 28.
Analyzing apparatus. W. H. Wannamaker, Jr. 2,519,615, Aug. 22.
Analyzing flue gas, Method and apparatus for. S. Chase. 2,533,430, Dec. 12.
Analyzing substance by mass spectrometry, Method and apparatus for. R. W. Long. 2,511,728, June 13.
Anatase titanium dioxide pigments, Production of. W. J. Cauwenberg and C. A. Tanner, Jr. 2,516,548, July 25.
Anchor. S. J. Faraone. 2,526,214, Oct. 17.
Anchor. J. E. Jones. 2,533,586, Dec. 12.
Anchor. H. P. Shipley. 2,496,315, Feb. 7.
Anchor and packer for use in wells, Combined. J. S. Page. 2,534,528, Dec. 19.
Anchor, Adjustable ladder. W. E. Little. 2,523,535, Sept. 26.
Anchor bar. A. E. Rogers. 2,506,893, May 9.
Anchor, Bolt. Z. S. Beijl. 2,525,198, Oct. 10.
Anchor, Bolt. E. H. Graver. 2,504,325, Apr. 18.
Anchor bolt. W. B. Green. 2,527,128, Oct. 24.
Anchor, Collapsible mushroom. L. R. Golding. 2,499,138, Feb. 28.
Anchor construction, Friction brake. J. G. Oetzel. 2,501,959, Mar. 28.
Anchor, Decoy. J. L. Buehl. 2,520,233, Aug. 29.
Anchor, Decoy. J. L. Buehl. 2,523,811, Sept. 26.
Anchor, Electric coil lead-in. R. F. Sharrow. 2,518,192, Aug. 8.
Anchor fitting for Bowden cables, Quick disconnect. G. M. Motis. 2,509,445, May 30.
Anchor, Folding grapnel. B. Tamm. 2,496,503, Feb. 7.
Anchor, Folding plow. W. S. Farren. 2,507,563, May 16.
Anchor for cylinder-boring machine. O. J. E. Olsson. 2,502,983, Apr. 4.
Anchor for freight cars, Lading strap. A. A. Logmann and G. C. Meyers. 2,520,554, Aug. 29.
Anchor for tubing or the like, Hydraulically operated. J. S. Page. 2,532,418, Dec. 5.
Anchor, Gas. W. E. Gilbert. 2,517,198, Aug 1.
Anchor insert for all purposes. L. T. Collins. 2,517,979, Aug. 8.
Anchor lock form aligner. C. I. Williams. 2,534,154, Dec. 12.
Anchor, Masons' line. J. A. Edixon. 2,523,101, Sept. 19.
Anchor means for wrenches. E. T. Able and W. Krieger. 2,527,288, Oct. 24.
Anchor, Rail. A. F. Fifield. 2,507,703, May 16.
Anchor, Rail. A. F. Fifield. 2,514,601, July 11.
Anchor, Rail. J. A. Hyle. 2,533,375, Dec. 12.
Anchor, Rail. G. L. Moore and J. R. Steele. 2,493,686, Jan. 3.
Anchor, Rail. A. M. Wells. 2,503,229, Apr. 4.
Anchor winch. E. H. Kruse. 2,526,953, Oct. 24.
Anchor winch. S. W. Smith. 2,530,586, Nov. 21.
Anchor with releasable pivoted flukes. L. H. Millen. 2,511,286, June 13.
Anchorage for cables. W. J. Streader. 2,533,064, Dec. 5.
Anchorage means, Marine. C. P. Winter. 2,529,271, Nov. 7.
Anchored connector. C. O. Morris. 2,514,006, July 4.
Anchoring and tensioning means, Screen cloth. G. W. Behnke, R. G. Westcott, and J. Sandula. 2,511,239, June 13.
Anchoring cathode. J. Kelar. 2,507,979, May 16.
Anchoring device. W. Huppert. 2,495,103–4, Jan. 17.
Anchoring device. B. M. Pillow. 2,522,191, Sept. 12.
Anchoring device. C. H. Taylor. 2,525,736, Oct. 10.
Anchoring device for ironing boards or the like, Garment. Y. Amber. 2,507,584, May 16.
Anchoring device for wall members and floor coverings. D. B. Mapes. 2,506,030, May 2.
Anchoring device, Pump. R. A. Lamb. 2,496,546, Feb. 7.
Anchoring draw cords, Method and apparatus for. R. Gleave and E. A. Dickmann. 2,520,395, Aug. 29.
Anchoring means for sheet material members. J. E. Jubin. 2,507,978, May 16.
Anchoring piece for handles for the sides of cooking utensils. W. L. Morrison, Jr. 2,506,465, May 2.
Anchors, Making. R. S. Danforth. 2,510,867, June 6.
Andiron construction. J. J. Blockinger. 2,515,586, July 18.
Angle of attack and yaw device, null pressure type. D. W. Young. 2,513,390, July 4.
Angle of attack indicator. W. S. Diehl. 2,503,249, Apr. 11.
Angle modulation detector. S. W. Seeley. 2,511,448, June 13.
Angularly adjustable bracket arm mounting. T. C. Whitehead. 2,533,860–1, Dec. 12.
Animal confining means. E. S. Diehl. 2,520,385, Aug. 29.
Animal glue jellies, Manufacture of. T. A. White. 2,531,715, Nov. 28.
Animal holder. R. E. Shipley. 2,498,051, Feb. 21.
Animal nutrition. M. A. Petty. 2,515,135, July 11.
Animal restrainer. C. R. Killian. 2,507,411, May 9.
Animal tether. J. Temmer. 2,502,807, Apr. 4.
Animal trap. W. M. Allison. 2,525,010, Oct. 10.
Animal trap. S. Alois. 2,527,511, Oct. 31.

Animal trap. M. K. Benson. 2,506,055, May 2.
Animal trap. J. N. Blair. 2,492,957, Jan. 3.
Animal trap. L. T. Blasen. 2,527,697, Oct. 31.
Animal trap. J. C. Blunt. 2,501,928, Mar. 28.
Animal trap. A. G. Broome and H. S. Meanor. 2,505,662, Apr. 25.
Animal trap. W. J. Buford. 2,524,423, Oct. 3.
Animal trap. E. V. Caldwell and M. Marshall. 2,510,168, June 6.
Animal trap. C. W. Crumrine. 2,515,947, July 18.
Animal trap. R. C. Ensign. 2,499,303, Feb. 28.
Animal trap. J. H. Forsyth. 2,504,015, Apr. 11.
Animal trap. J. R. Hasely. 2,495,894, Jan. 31.
Animal trap. P. E. Hurthig. 2,506,834, May 9.
Animal trap. A. Johnson. 2,502,850, Apr. 4.
Animal trap. J. U. Lehn. 2,500,130, Mar. 7.
Animal trap. H. A. Reeb. 2,499,682, Mar. 7.
Animal trap. L. I. Richards. 2,517,928, Aug. 8.
Animal trap. J. Silvia. 2,506,898, May 9.
Animal trap. F. A. Snell. 2,533,844, Dec. 12.
Animal trap. T. E. Sullivan. 2,507,284, May 9.
Animal trap. D. Tabin. 2,504,359, Apr. 18.
Animal trap. R. G. Woolworth. 2,524,504, Oct. 3.
Animalizing of cellulose acetate. T. S. Gardner. 2,518,676, Aug. 15.
Animated display. F. Hotchner. 2,507,787, May 16.
Animated display. J. R. Wehr. 2,500,106, Mar. 7.
Animated figure device, Cord and spring. J. A. Simpson. 2,534,631, Dec. 19.
Animated sign. R. U. Seares. 2,530,404, Nov. 21.
Animation display, Retroreflective. F. Hotchner. 2,507,975, May 16.
Anion exchange resin in anti-irritation powder. R. J. Block. 2,501,927, Mar. 28.
Anion exchange resins. J. R. Dudley. 2,525,480, Oct. 10.
Anion exchange resins. S. Sussman. 2,518,956, Aug. 15.
Anisole, Preparation of. W. D. Smutz. 2,529,887, Nov. 14.
Ankle and high splice structure in full-fashioned stocking and making the same. W. Nebel. 2,532,071, Nov. 28.
Annealing apparatus. R. E. Carter. 2,499,846, Mar. 7.
Annealing. W. H. Dailey, Jr. 2,504,808, Apr. 18.
Annealing furnace. A. J. Castle. 2,509,209, May 30.
Annealing furnace. R. N. Cole. 2,502,204, Mar. 28.
Annealing stand construction. W. H. Dailey, Jr. 2,504,809, Apr. 18.
Announcing system. G. L. Haller. 2,501,048, Mar. 21.
Annunciator circuit. P. E. Demers. 2,526,853, Oct. 24.
Annunciator unit, Electromagnetic. R. S. Edwards. 2,504,012, Apr. 11.
Annular overlying retort oil burner. D. E. Wilson. 2,522,733, Sept. 19.
Anode and grid bias voltage system for class B or C amplifiers. P. A. Donker. 2,527,406, Oct. 24.
Anode assembly. A. Wesley. 2,504,238, Apr. 18.
Anode contact for cathode-ray tubes, Second. G. N. Phelps. 2,499,834, Mar. 7.
Anode for cathode-ray tubes, Insulated. M. P. Wilder. 2,523,406, Sept. 26.
Anode, Immersion. G. C. Cox. 2,507,694, May 16.
Anode with cemented backfill, Packaged magnesium. H. H. Miller. 2,495,466, Jan. 24.
Antenna. A. Alford. 2,508,084–5, May 16.
Antenna. L. Buchwalter and G. G. Harvey. 2,512,137, June 20.
Antenna. W. M. Cady. 2,512,139, June 20.
Antenna. E. Carlson. 2,535,899, Dec. 26.
Antenna. W. T. Ferris, and F. J. Klancnik, Jr. 2,495,579, Jan. 24.
Antenna. J. A. Flippen. 2,523,531, Sept. 26.
Antenna. J. H. Gardner. 2,512,147, June 20.
Antenna. W. O. Gordy. 2,521,844. Sept. 12.
Antenna. A. G. Kandoian. 2,507,528, May 16.
Antenna. R. N. Leonard. 2,521,798, Sept. 12.
Antenna. F. J. Lundburg. 2,495,747, Jan. 31.
Antenna. E. A. Martinelli. 2,501,070, Mar. 21.
Antenna. L. P. Morris, J. R. Slatkay, and M. F. Spotts. 2,524,534, Oct. 3.
Antenna. W. B. Nowak. 2,505,569, Apr. 25.
Antenna. R. C. Raymond. 2,501,094, Mar. 21.
Antenna. R. M. Robertson. 2,516,530, July 25.
Antenna. J. H. Roe. 2,511,221, June 13.
Antenna. V. H. Rumsey. 2,524,993, Oct. 10.
Antenna. J. P. Shanklin. 2,533,900, Dec. 12.
Antenna. T. T. Torretti. 2,493,787, Jan. 10.
Antenna. L. C. Van Atta. 2,530,098, Nov. 14.
Antenna. H. A. Wheeler. 2,519,209, Aug. 15.
Antenna, Aircraft. D. H. Mitchell. 2,511,363, June 13.
Antenna, Aircraft. H. F. Rempt and N. W. Thielman. 2,511,513, June 13.
Antenna, Aircraft. R. S. Wehner. 2,518,843, Aug. 15.
Antenna and oscillator coil unit. R. B. Brode and R. G. Ferris. 2,509,903, May 30.
Antenna array. R. A. Felsenheld. 2,533,236, Dec. 12.
Antenna array, Vertical. R. G. Schriefer. 2,509,253, May 30.
Antenna assembly. L. B. Harris. 2,503,109, Apr. 4.
Antenna attaching device. T. B. Friedman. 2,496,938, Feb. 7.
Antenna, Autoballistic. J. W. Irby. 2,497,084, Feb. 14.
Antenna, Automobile. J. Grashow. 2,509,563, May 30.
Antenna, Biconical electromagnetic horn. G. A. Jarvis. 2,532,551, Dec. 5.
Antenna, Broad band. J. T. Bolljahn. 2,505,751, May 2.
Antenna, Broad band. D. J. Hilferty, W. E. Withrow, and D. L. Ringwalt. 2,511,849, June 20.
Antenna, Broad-band. R. S. Wehner. 2,512,078, June 20.
Antenna, Broad band. D. W. Wilson and R. E. Taylor. 2,508,438, May 23.
Antenna, Broadband television. J. S. Brown. 2,513,078, June 27.
Antenna, Broadcast. W. Darling. 2,513,007, June 27.
Antenna, Broadcast. N. E. Lindenblad. 2,501,778, Mar. 28.
Antenna, Broadcast. R. W. Masters. 2,511,931, June 20.
Antenna, Car body. W. L. Everitt. 2,520,988, Sept. 5.
Antenna circuit. L. H. Finneburgh, Jr., and R. S. Weiss. 2,511,574, June 13.
Antenna, Collapsible multiple arm. A. E. Lane and W. R. Thompson. 2,510,287, June 6.
Antenna, Compact television receiver. C. R. Edelsohn. 2,514,992, July 11.
Antenna construction. W. C. Mock, Jr. 2,512,725, June 27.
Antenna construction. C. A. Trowbridge. 2,528,400, Oct. 31.
Antenna construction, Dipole. J. R. Marshall. 2,494,665, Jan. 17.
Antenna coupling circuit. F. B. Williams, F. P. Hill, and W. Blinoff. 2,520,985, Sept. 5.
Antenna, Directional. R. W. Masters. 2,510,290, June 6.
Antenna, Directive loop. H. A. Wheeler. 2,518,736, Aug. 15.
Antenna, Directive traveling waves. A. Niutta. 2,513,736, July 4.
Antenna, Directive ultra high frequency. W. S. Halstead. 2,492,989, Jan. 3.
Antenna, Duplex. H. W. G. Salinger and V. R. Bowman. 2,512,682, June 27.
Antenna equalizer. B. S. Trott. 2,498,744, Feb. 28.
Antenna for aircraft. G. L. Haller. 2,522,222, Sept. 12.
Antenna for automobiles, Illuminated. J. T. Morrow. 2,522,189, Sept. 12.
Antenna for radiating circularly polarized waves. R. M. Redheffer. 2,518,933, Aug. 15.
Antenna, Ground plane. J. Goldsmith. 2,529,213, Nov. 7.
Antenna guy fitting. R. Katz. 2,535,072, Dec. 26.
Antenna, Helical beam. J. W. Tiley. 2,503,010, Apr. 4.
Antenna, High-frequency. M. D. Ercolino. 2,518,297, Aug. 8.
Antenna, High impedance. R. F. Smeltzer. 2,523,728, Sept. 26.
Antenna housing. E. B. McMillan and H. J. Riblet. 2,501,072, Mar. 21.
Antenna input circuits. J. S. Cohen. 2,512,481, June 20.
Antenna installation on airplanes. C. H. Matson. 2,495,748, Jan. 31.
Antenna, Loop. R. A. Morris and F. A. Iverson. 2,494,255, Jan. 10.
Antenna, Loop. C. A. Raabe. 2,528,667, Nov. 7.
Antenna, Low-angle radiation. C. L. Jeffers. 2,502,155, Mar. 28.
Antenna mast supporting bracket. R. W. Weeks. 2,499,011, Feb. 28.
Antenna, Microwave. J. Steinberger. 2,501,105, Mar. 21.
Antenna, Mobile. E. A. Sprigg. 2,513,116, June 27.
Antenna mounting. E. R. Taylor. 2,530,740, Nov. 21.
Antenna mounting clamp. M. J. Blaugrund. 2,493,851, Jan. 10.
Antenna, Multiply-resonant stub. R. S. Wehner. 2,493,514, Jan. 3.
Antenna, Power line. J. D. Reid. 2,520,811, Aug. 29.
Antenna, Radio. R. F. Lewis. 2,513,336, July 4.
Antenna, Radio. R. F. Lewis and J. F. Bachmann. 2,520,154, Aug. 29.
Antenna, Radio. R. J. Scott. 2,514,167, July 4.
Antenna, Radio. D. Weighton. 2,512,511, June 20.
Antenna reel. L. H. Finneburgh, Jr., M. R. Friedberg, and A. G. Turk. 2,496,785, Feb. 7.
Antenna reel. F. A. King. 2,518,902, Aug. 15.
Antenna, Rotating. F. A. Schnell and E. L. Thearle. 2,535,699, Dec. 26.
Antenna, Scanning. H. Iams. 2,527,222, Oct. 24.
Antenna scanning system, Rotating. M. Kline. 2,521,732, Sept. 12.
Antenna, Short-wave. A. Alford. 2,501,430, Mar. 21.
Antenna, Stabilized tower supported. F. D. Braddon. 2,497,065, Feb. 14.
Antenna structure. R. B. Barnes. 2,501,020, Mar. 21.
Antenna structure. L. A. de Rosa. 2,535,049, Dec. 26.
Antenna structure. G. B. Litchford. 2,526,675, Oct. 24.
Antenna structure, Directive. W. L. Barrow and W. W. Mieher. 2,531,455, Nov. 28.
Antenna structure, Directive. R. J. Marshall. 2,531,454, Nov. 28.
Antenna structure, Ultra high frequency. W. W. Hansen. 2,500,178, Mar. 14.
Antenna structure, Wide band. M. W. Scheldorf. 2,507,225, May 9.
Antenna system. G. H. Baker and E. E. Crump. 2,492,951, Jan. 3.
Antenna system. D. Blitz. 2,522,562, Sept. 19.
Antenna system. W. E. Bradley. 2,496,242, Jan. 31.

Antenna system. G. H. Brown. 2,511,899, June 20.
Antenna system. F. O. Chesus and F. G. Thomas. 2,523,280, Sept. 26.
Antenna system. D. R. Goddard. 2,510,280, June 6.
Antenna system. P. G. Hansel. 2,513,313, July 4.
Antenna system. G. P. Kearse. Re. 23,273, Sept. 26.
Antenna system. O. E. Kienow. 2,534,271, Dec. 19.
Antenna system. E. A. Laport. 2,516,706, July 25.
Antenna system. D. G. C. Luck. 2,532,176, Nov. 28.
Antenna system. K. Posthumus. 2,494,198, Jan. 10.
Antenna system. H. A. Wheeler. 2,495,399, Jan. 24.
Antenna system. F. B. Williams and F. P. Hill. 2,520,984, Sept. 5.
Antenna system. O. M. Woodward, Jr. 2,514,821, July 11.
Antenna system. O. M. Woodward, Jr. 2,533,078, Dec. 5.
Antenna system, Aperiodic directive. H. A. Wheeler. 2,511,611, June 13.
Antenna system, Beacon. S. B. Pickles. 2,524,830, Oct. 10.
Antenna system, Broad band. L. Himmel. 2,531,432, Nov. 28.
Antenna system, Composite loop. B. P. Brown, Jr. 2,493,569, Jan. 3.
Antenna system, Dipole. E. G. Hills and J. A. Rankin. 2,505,115, Apr. 25.
Antenna system, Dipole. E. O. Willoughby. 2,511,029, June 13.
Antenna system, Directional. A. C. Beck. 2,495,219, Jan. 24.
Antenna system, Directional. W. E. Kock. 2,521,524, Sept. 5.
Antenna system, Directive. C. C. Cutler. 2,518,526, Aug. 15.
Antenna system, Directive. G. B. Litchford and W. B. Day. 2,513,338, July 4.
Antenna system, Directive. H. J. Riblet. 2,530,079, Nov. 14.
Antenna system, Directive. J. M. Tewksbury. 2,526,098, Oct. 17.
Antenna system, Directive. L. J. Wolf. 2,509,283, May 30.
Antenna system, Directive scanning. W. J. Albersheim. 2,514,617, July 11.
Antenna system, High-frequency. J. D. Callaghan. 2,510,010. May 30.
Antenna system, Radio. P. H. Smith. 2,521,550, Sept. 5.
Antenna system, Vehicular. F. B. Williams and F. P. Hill. 2,520,986, Sept. 5.
Antenna, Television. S. Epstein. 2,531,035, Nov. 21.
Antenna, Television. F. R. and R. R. Gonsett. 2,532,094, Nov. 28.
Antenna, Television. J. Goumas. 2,534,592, Dec. 19.
Antenna, Television. J. M. Winer. 2,496,646, Feb. 7.
Antenna tracking system. R. W. Lee and E. A. Holmes. 2,519,773, Aug. 22.
Antenna, Trailing aircraft. L. B. Harris and L. R. Henry. 2,502,650, Apr. 4.
Antenna, Traveling wave. E. A. Laport. 2,503,952, Apr. 11.
Antenna, Ultra high frequency. R. G. Schriefer. 2,531,476, Nov. 28.
Antenna, V-dipole. R. S. Wehner. 2,514,020, July 4.
Antenna, Vehicle body. F. B. Williams and F. P. Hill. 2,520,987, Sept. 5.
Antenna, Wave guide. L. E. Swarts, Jr. 2,535,331, Dec. 26.
Antenna, Wide band. J. C. Spindler. 2,533,529, Dec. 12.
Antenna, Wide-band directive. H. A. Wheeler. 2,517,951, Aug. 8.
Anthrapyridone dyestuffs. G. W. Seymour, V. S. Salvin, and W. D. Jones. 2,501,099, Mar. 21.
Anthraquinone dyestuffs. G. W. Seymour and C. E. Hieserman. 2,496,414, Feb. 7.
Anthraquinone, Manufacture of. G. M. Smyth and A. E. Moran. 2,496,894, Feb. 7.
Anthraquinone thioxanthone dicarbazoles. F. Max and D. I. Randall. 2,495,014. Jan. 17.
Anthraquinone vat dyestuffs. W. Jenny and W. Kern. 2,506,025, May 2.
Antibiotic products. D. Libermann. 2,522,831, Sept. 19.
Antiblurring device for aerial cameras. O. Sandvik and J. S. Chandler. 2,507,459, May 9.
Anticorrosive lubricating oil and fractionating alkali and alkaline earth metal petroleum sulfonates. C. E. Wilson. 2,499,710. Mar. 7.
Antidistorting and retarding device for signal transmissions. H. M. Bayard and R. J. C. Roquet. 2,507,191, May 9.
Antidraft device. O. Elsebusch. 2,519,446, Aug. 22.
Antidrip device. Y. M. Hoag. 2,517,205, Aug. 1.
Antifelting of wool. F. R. Haigh, E. C. Koerner, and H. E. Ehrhardt. 2,516,055, July 18.
Antiflood device for floor drains. W. P. Gaspar. 2,517,195, Aug. 1.
Antifoamers for proteinaceous solutions. B. B. Coyne. 2,524,309, Oct. 3.
Antifreeze composition. E. H. Keller. 2,534,030, Dec. 12.
Antifreeze composition, Liquid. J. P. Cunningham. 2,525,478, Oct. 10.
Antifreeze device. A. Merdan and A. J. Merdan, Jr. 2,504,861, Apr. 18.
Antifreeze liquids. W. R. Smith. 2,524,484, Oct. 3.
Antifriction ball bearing. H. L. Gordon. 2,505,110, Apr. 25.
Antifriction bearing. H. R. Simler. 2,526,587, Oct. 17.
Antifriction roller bearing. H. L. Gordon. 2,513,860, July 4.
Antifriction transmission. G. A. Wahlmark. 2,525,326, Oct. 10.
Antigen and preparing same, Oral pollen. E. A. Ferguson, Jr. 2,500,145, Mar. 14.
Antiglare device. H. C. Armstrong. 2,525,012, Oct. 10.
Antiglare device. P. D. Exner. 2,518,766, Aug. 15.
Antihistamine compounds. C. W. Sondern and P. J. Breivogel. 2,519,325, Aug. 15.
Antihistamines and preparation of the same. L. H. Sutherland, Jr. 2,498,227, Feb. 21.
Antihunting control device. I. E. Wiegers. 2,527,504, Oct. 24.
Antihunting system for electrical regulators. H. G. Haas. 2,526,133, Oct. 17.
Antiicing screen. C. S. Jewett, R. A. Loos, and E. A. Mehnert. 2,507,018, May 9.
Antiicing means, Propeller blade. C. W. Chillson and E. P. Palmatier. 2,510,170, June 6.
Antijackknife apparatus for trailer-tractor connection. W. L. Plaxco. 2,528,076, Oct. 31.
Antiknock mixtures. G. Calingaert. 2,496,983, Feb. 7.
Antimicrophonic "V" tension rod. P. H. Sassaman and D. R. Kerstetter. 2,506,895, May 9.
Antinicotine cigarette holder. O. G. Brawner. 2,515,547, July 18.
Antioxidant. L. A. Hall. 2,500,543, Mar. 14.
Antioxidant. H. R. Kraybill and B. W. Beadle. 2,521,856, Sept. 12.
Antioxidant. W. O. Lundberg. 2,523,127, Sept. 19.
Antioxidant concentrate, Producing an. L. O. Buxton. 2,515,858–60, July 18.
Antioxidant containing amino acids, Synergistic. L. A. Hall. 2,518,233, Aug. 8.
Antioxidant flakes. L. A. Hall. 2,511,803, June 13.
Antioxidant salt. L. A. Hall and L. Sair. 2,511,804, June 13.
Antioxidant, Synergistic. L. A. Hall. 2,511,802, June 13.
Antioxidants. L. O. Buxton and C. E. Dryden. 2,511,428, June 13.
Antioxidants for greases and similar materials. A. Beerbower and J. C. Zimmer. 2,533,989, Dec. 12.
Antioxidants for mineral oil lubricants and compositions containing the same. H. G. Smith and T. L. Cantrell. 2,522,312, Sept. 12.
Antioxidants for mineral oil lubricants and compositions containing the same. H. G. Smith and T. L. Cantrell. 2,528,092, Oct. 31.
Antioxidants for mineral oil lubricants and compositions containing the same. H. G. Smith, T. L. Cantrell, and J. G. Peters. 2,504,742–3, Apr. 18.
Antioxidants for mineral oil lubricants and compositions containing the same. H. G. Smith, T. L. Cantrell, and J. G. Peters. 2,511,744–50, June 13.
Antioxidants for mineral oil lubricants and compositions containing the same. H. G. Smith, T. L. Cantrell, and J. G. Peters. 2,512,444–5, June 20.
Antioxidants for mineral oil lubricants and compositions containing the same. H. G. Smith, T. L. Cantrell, and J. G. Peters. 2,513,061–3, June 27.
Antioxidants for mineral oil lubricants and compositions containing the same. H. G. Smith, T. L. Cantrell and J. G. Peters. 2,516,654, July 25.
Antioxidants for mineral oil lubricants and compositions containing the same. H. G. Smith, T. L. Cantrell, and J. G. Peters. 2,527,279, Oct. 24.
Antioxidants for oils and oil compositions containing the same. D. R. Stevens and A. C. Dubbs. 2,515,908, July 18.
Antiperspirant composition. E. Wainer. 2,507,128, May 9.
Antiplugging control for motors. J. G. Elwood. 2,505,281, Apr. 25.
Antirattle device. L. B. Hardemon. 2,527,515, Oct. 31.
Antirusting composition. E. S. Blake. 2,497,432, Feb. 14.
Antisera of high titre, Producing. R. Meier and K. Bucher. 2,526,961, Oct. 24.
Antisiphoning device. A. R. Glidden. 2,496,992, Feb. 7.
Antisiphoning means for dishwashing machines. R. W. Wilson. 2,512,452, June 20.
Antiskid chain. M. J. Zwosta. 2,528,203, Oct. 31.
Antiskid chain connector. G. A. Robbins. 2,505,724, Apr. 25.
Antiskid device. F. J. Daley. 2,517,634, Aug. 8.
Antiskid device. R. W. Hastings. 2,518,313, Aug. 8.
Antiskid device. W. B. Massey. 2,504,032, Apr. 11.
Antiskid device. P. A. Newman. 2,493,994, Jan. 10.
Antiskid device. A. K. Stevens. 2,533,151. Dec. 5.
Antiskid device. L. H. Zele. 2,498,023, Feb. 21.
Antiskid device, Auto tire. J. C. Hughes. 2,505,711, Apr. 25.
Antiskid device for auto tires. W. F. Davis. 2,505,102, Apr. 25.
Antiskid device for automobile tires. C. Q. Snedeker. 2,529,427, Nov. 7.
Antiskid device for motor vehicles. E. J. Hoffman and A. J. Fries. 2,532,309, Dec. 5.
Antiskid device for tires. J. A. Morrone. 2,504,568, Apr. 18.
Antiskid device for vehicle wheels, Mechanically operated. W. G. Hardy. 2,533,244, Dec. 12.

Antiskid device, Furniture. H. W. Hauser. 2,519,466, Aug. 22.
Antiskid mechanism for automobiles. F. D. Foley. 2,507,774, May 16.
Antislip tread. L. H. Dowling. 2,532,485, Dec. 5.
Antislip device for footwear, Detachable. W. S. Craven. 2,494,692, Jan. 17.
Antislipping device. J. T. Williams and K. F. Riese. 2,510,451, June 6.
Antislipping device for automobile tires. J. T. Williams and K. F. Riese. 2,510,450, June 6.
Antislipping device for canes, crutches, etc. E. G. Hansen. 2,517,203, Aug. 1.
Antispasmodics. N. Sperber, D. Papa, and E. Schwenk. 2,519,408, Aug. 22.
Antisway device. J. W. Leighton. 2,523,473, Sept. 26.
Antitarnish composition. W. Dietz. 2,531,114, Nov. 21.
Antitheft device for motor vehicles, Electrical. E. Ainley. 2,517,619, Aug. 8.
Antitumbling device, Gyro. G. C. Newton, Jr. 2,493,015, Jan. 3.
Antral pressure device. J. M. Robison. 2,525,183, Oct. 10.
Anvil attachment for dial indicators, Shock absorbing. J. G. Sisson. 2,533,522, Dec. 12.
Anvil, Battery terminal. A. L. Leeth. 2,509,932, May 30.
Aperture and film feed, Variable film exposure. A. Briechle and E. C. Worden. 2,496,329, Feb. 7.
Aperture meter. W. E. Clark. 2,532,892, Dec. 5.
Apertured and stepped game board. R. Neilson. 2,500,644, Mar. 14.
Apparatus and method for cleaning and humidifying gaseous fluids such as air. W. L. Fleisher. 2,502,137, Mar. 28.
Apparatus and method for connecting staples into sticks. P. A. Chamberlain. 2,511,769, June 13.
Apparatus and method for continuous manufacture of seamed tubing. A. Kinkead. 2,502,012, Mar. 28.
Apparatus and method for cooling aircraft. W. F. Mayer. 2,524,065, Oct. 3.
Apparatus and method for cutting materials. D. W. Rudorff. 2,526,423, Oct. 17.
Apparatus and method for deaeration of liquids. W. M. Martin. 2,507,797, May 16.
Apparatus and method for detecting flaws in magnetizable bodies. W. C. Barnes and H. W. Keevil. 2,497,856, Feb. 21.
Apparatus and method for drying solid material. J. E. Pierce. 2,499,157, Feb. 28.
Apparatus and method for filling gas storage cylinders. A. E. Hittl. 2,530,523, Nov. 21.
Apparatus and method for filling molds. G. Atterbury. 2,533,986, Dec. 12.
Apparatus and method for gasifying bonaceous material. L. L. Newman and J. T. Donovan. 2,516,141, July 25.
Apparatus and method for heating molds. C. F. Harr. 2,521,847. Sept. 12.
Apparatus and method for locating pipes. C. E. Pope. 2,521,745, Sept. 12.
Apparatus and method for making cushions. J. W. Bowersox. 2,493,652, Jan. 3.
Apparatus and method for molding hollow structures of concrete and the like. O. V. Sjödin. 2,513,527, July 4.
Apparatus and method for pressing and conveying extruded plastic charges. G. A. Lyon. 2,499,399, Mar. 7.
Apparatus and method for removing excess mixing water from plastic concrete. J. G. A. Johnson. 2,533,263, Dec. 12.
Apparatus and method for solvent extraction. G. N. Harcourt. 2,510,221, June 6.
Apparatus and method for the evaporation and concentration of liquids. G. G. Zahm. 2,512,513, June 20.
Apparatus and method for the manufacture of separable fasteners. M. Winterhalter. 2,516,086, July 18.
Apparatus and method for use in making ribbed strips for insoles. F. E. Bertrand. 2,529,793, Nov. 14.
Apparatus and method for utilizing vacuum in molding plastic material, such as concrete. K. P. Billner. 2,524,419, Oct. 3.
Apparatus and method of manufacturing board. C. G. Muench. 2,518,806, Aug. 15.
Apparatus and method of measuring a magnitude exceeding the unambiguous measure capacities of two measure-representing signals. E. L. Ginzton. 2,524,050, Oct. 3.
Apparatus and method of molding variable resistors. T. B. Gibbs, G. V. Gilman and G. F. Laing. 2,516,766, July 25.
Apparatus and process for evacuating electronic tubes and the like. M. E. Johnson and H. G. Warren. 2,532,315, Dec. 5.
Apparatus and process for producing capsules. B. D. Pile and A. H. McCallum. 2,529,416, Nov. 7.
Apparatus and system for fluid control. N. A. Christensen. 2,501,661, Mar. 28.
Apparatus comprising a revolving head for tuning devices. A. Horowitz. 2,497,773, Feb. 14.
Apparatus for absorbing shock loads. R. O. Anderson. 2,517,621, Aug. 8.
Apparatus for adding liquid to control the bulk density of coking coal. J. van Ackeren. 2,510,158, June 6.
Apparatus for adjusting spring tensions. C. H. Trimble. 2,526,915, Oct. 24.
Apparatus for advancing and working plastic material. S. E. Brillhart. 2,496,147, Jan. 31.
Apparatus for advancing and working plastic material. G. E. Gliss. 2,535,287, Dec. 26.
Apparatus for advancing and working plastic materials, G. E. Henning. 2,496,625, Feb. 7.
Apparatus for aerating liquids. G. de Becze and A. J. Liebmann. 2,530,814, Nov. 21.
Apparatus for agitating curds. P. P. Caumartin. 2,496,001, Jan. 31.
Apparatus for air sterilization. B. H. Jennings, E. Bigg, and F. C. W. Olson. 2,523,373, Sept. 26.
Apparatus for alignment of guns and gun sights. C. G. Trimbach and J. C. Parkin. 2,516,435, July 25.
Apparatus for altering the temperature of granular material. R. M. McShea. 2,519,148, Aug. 15.
Apparatus for analysis of gases. H. W. Dietert. 2,526,337, Oct. 17.
Apparatus for analyzing fluids. P. O. Stewart. 2,505,693, Apr. 25.
Apparatus for analyzing fluids by microwave absorption. J. M. Lafferty and A. H. Sharbaugh. 2,532,817, Dec. 5.
Apparatus for and method of charging batch to glass furnaces. A. K. Lyle. 2,533,826, Dec. 12.
Apparatus for and method of conditioning textile fibers. E. Hurst. 2,509,147, May 23.
Apparatus for and method of controlling drift in lehrs. D. G. Merrill. 2,507,673, May 16.
Apparatus for and method of cooling glass articles. H. C. MacConnell, Jr. 2,519,059, Aug. 15.
Apparatus for and method of drying containers. E. O. Hiller. 2,500,075, Mar. 7.
Apparatus for and method of folding collars. M. Luke. 2,504,934, Apr. 18.
Apparatus for and method of forming surgical tubes and other tubular articles. J. B. Costello. 2,505,099, Apr. 25.
Apparatus for and method of tempering glass articles. T. C. Baker. 2,525,112, Oct. 10.
Apparatus for and method of testing musical reeds. P. Weathers and G. E. Chamberlin. 2,505,164, Apr. 25.
Apparatus for and method of toasting foodstuffs. J. G. Davis and C. Jacobsen. 2,504,110, Apr. 18.
Apparatus for annealing. W. B. Cooper and E. J. Seabold. 2,521,044, Sept. 5.
Apparatus for annealing. W. H. Dailey, Jr. 2,504,810, Apr. 18.
Apparatus for applying adhesive strip to cylindrical cans or other containers. G. K. Charles. 2,503,470, Apr. 11.
Apparatus for applying bottle collars. W. L. Wolford. 2,535,473, Dec. 26.
Apparatus for applying decalcomanias to hosiery. J. A. Ruth. 2,501,539, Mar. 21.
Apparatus for applying labels to spools. R. B. Lange. 2,506,303, May 2.
Apparatus for applying metal coatings on insulators. C. de Lange and P. A. W. M. Sleegers. 2,508,500, May 23.
Apparatus for applying mold wash. T. K. Graham. 2,529,291, Nov. 7.
Apparatus for applying paint. A. H. Barnes and F. Grosse. 2,509,954, May 30.
Apparatus for applying pattern forming material. W. J. Goettsch. 2,531,036, Nov. 21.
Apparatus for applying protective coating material to the inside of a pipe or the like. C. I. Loudenback and A. C. Riesen. 2,501,779, Mar. 28.
Apparattus for applying protective coverings. G. W. Brown and V. E. Metz. 2,520,114, Aug. 29.
Apparatus for applying solid resilient tires containing a central wire to grooved wheels. P. D. Mize. 2,528,070, Oct. 31.
Apparatus for applying tension and/or pressure to material. C. C. Martin. 2,533,025, Dec. 5.
Apparatus for applying varnish to conductors and similar articles. J. J. Keyes. 2,501,339, Mar. 21.
Apparatus for arranging articles on conveyers. J. M. Paton. 2,501,961, Mar. 28.
Apparatus for artificial respiration. F. G. Lobo. 2,529,258, Nov. 7.
Apparatus for assembling potentiometers. J. O. Hamilton and L. J. Rozankowski. 2,527,812, Oct. 31.
Apparatus for assembling rivet setting anvils. T. J. Doyle. 2,521,505, Sept. 5.
Apparatus for assembling sealing pads in receptacle closure caps. J. C. and W. H. Johnson. 2,522,577, Sept. 19.
Apparatus for attaching price tage. G. Cunningham and J. E. Woods. 2,503,903, Apr. 11.
Apparatus for automatically and continuously treating photographic film. J. M. Quinn. 2,527,959, Oct. 31.
Apparatus for automatically calling police help. A. Svoekhotoff. 2,512,981, June 27.
Apparatus for automatically checking the operation of pulse-echo radio detection systems. A. P. Jackel and F. H. Nicholson. 2,520,840, Aug. 29.
Apparatus for automatically making beads. P. Synek. 2,503,178, Apr. 4.
Apparatus for automatically stopping textile machines. W. E. Shann. 2,497,017, Feb. 7.
Apparatus for balancing rotors. H. M. Kroft and M. P. Vore. 2,534,918, Dec. 19.

Apparatus for barbecuing chicken and other fowl. L. G. Sagen. 2,520,067, Aug. 22.
Apparatus for beet harvesters, Beet topping. R. W. Jones. 2,499,867, Mar. 7.
Apparatus for bending glass bodies. M. Maugé. 2,518,918, Aug. 15.
Apparatus for bending glass sheets. D. W. Dunipace. 2,500,278, Mar. 14.
Apparatus for bending glass sheets. J. E. Jendrisak. 2,526,359, Oct. 17.
Apparatus for bending glass tubes. A. Greiner. 2,494,871, Jan. 17.
Apparatus for bending rods of corundum and spinel. D. M. Yenni. 2,513,545, July 4.
Apparatus for blanching deep beds of vegetables. G. T. Hemmeter. 2,522,513, Sept. 19.
Apparatus for blocking lenses. G. A. Clement. 2,509,211, May 30.
Apparatus for bonding brake linings to brake shoes. C. S. Batchelor and E. L. Carey. 2,494,281, Jan. 10.
Apparatus for bonding material electrically. C. N. Hoyler. 2,525,356, Oct. 10.
Apparatus for buffing bumper bars. T. E. Robinson and F. H. Hartlep. 2,516,256, July 25.
Apparatus for building up structural elements from paper sheets. G. May. 2,527,752, Oct. 31.
Apparatus for bulk production of small ice. G. L. Pownall. 2,495,421, Jan. 24.
Apparatus for burning pulverized fuel. W. A. Thomas. 2,494,070, Jan. 10.
Apparatus for cable splicing. R. J. Violette. 2,500,969, Mar. 21.
Apparatus for calendering thermoplastic sheets. M. E. Pike and E. W. Lane. 2,634,296, Dec. 19.
Apparatus for calibrating distant-reading temperature devices. P. Martin. 2,535,083, Dec. 26.
Apparatus for calibrating vibration equipment. W. W. Bender, Jr., W. B. Bergen, and W. G. Purdy. 2,505,601, Apr. 25.
Apparatus for casting chocolate, cream and other confectionery paste. K. C. S. Aasted. 2,533,708, Dec. 12.
Apparatus for casting curved stereotyped plates with tension lockup pockets therein. C. L. Ricards and J. A. Isbell. 2,511,737, June 13.
Apparatus for casting curved stereotype plates with tension lock-up pockets therein. C. L. Ricards and J. A. Isbell. 2,513,203, June 27.
Apparatus for casting enlarged bodies on pins or rods. L. H. Morin and O. Gries. 2,506,966, May 9.
Apparatus for casting metal. H. W. Grausam. 2,521,362, Sept. 5.
Apparatus for casting molten metal. G. E. Schmid. 2,497,098, Feb. 14.
Apparatus for catalytic conversion of hydrocarbon vapors. C. S. Reed and A. H. Schutte. Re. 23,237, May 30.
Apparatus for catalytic treatment of hydrocarbons. E. M. Barber. 2,516,943, Aug. 1.
Apparatus for causing variable flow of air in treating rooms. A. A. Schramm. 2,510,524, June 6.
Apparatus for centrifugally forming canopies, or the like, of V-type cross sections. R. S. Ames. 2,510,304, June 6.
Apparatus for centrifugally separating suspended particles from gaseous media. J. E. Watson and C. B. McBride. 2,511,387, June 13.
Apparatus for changing coating solutions of coating machines. L. P. Morey. 2,500,041, Mar. 7.
Apparatus for changing lubricating oil of motor vehicles. D. Fransen. 2,509,426, May 30.
Apparatus for changing the ion source of a cyclotron. J. J. Livingood, J. V. Peters, and R. A. Streeter. 2,531,065, Nov. 21.
Apparatus for changing vertical mill rolls. R. A. Burkhart. 2,535,898, Dec. 26.
Apparatus for charging batteries. J. J. Buckley. 2,506,340, May 2.
Apparatus for charging blast furnaces. R. S. A. Dougherty and J. E. Eberhardt. 2,516,190, July 25.
Apparatus for charging raw materials to melting furnaces. R. Tanberg. 2,525,323, Oct. 10.
Apparatus for checking the work of arc welders. R. Sarazin. 2,496,313, Feb. 7.
Apparatus for chill casting. M. Thevenin. 2,535,335, Dec. 26.
Apparatus for clamping molds in the centrifugal casting of pipe and the like. J. J. Nolan, Jr. 2,512,071, June 20.
Apparatus for classifying and separating suspended particles from gases. J. E. Watson and C. B. McBride. 2,498,832, Feb. 28.
Apparatus for classifying particles. J. E. Watson and C. B. McBride. 2,494,465, Jan. 10.
Apparatus for cleaning and flushing automobile radiators and the like. J. La Cross. 2,510,701, June 6.
Apparatus for cleaning and/or grading for size, sand, or other similar substances. A. B. Morris. 2,519,781, Aug. 22.
Apparatus for cleaning, dehydrating, and storing seed and granular material. P. Cariani. 2,526,994, Oct. 24.
Apparatus for cleaning equipment with a chemical agent. P. Greco. 2,532,299, Dec. 5.
Apparatus for cleaning internal surfaces of hollow castings. K. W. Klinksiek. 2,501,129, Mar. 21.
Apparatus for cleaning printing surfaces in offset printing machines. W. B. Wescott. 2,525,982, Oct. 17.
Apparatus for cleaning stack gas. R. C. Ortgies. 2,529,045, Nov. 7.
Apparatus for cleaning textiles. S. O. Stageberg. 2,522,806, Sept. 19.
Apparatus for cleansing eggs in bulk. C. G. Paden. 2,520,889, Aug. 29.
Apparatus for clearing tubes in the head. D. H. Dwyer. 2,516,762, July 25.
Apparatus for coating articles. H. K. Stoddard. 2,526,780, Oct. 24.
Apparatus for coating articles by thermal evaporation. M. N. Lewis and P. H. Miller, Jr. 2,527,747, Oct. 31.
Apparatus for coating cylindrical vessels. W. S. Chenault. 2,519,177, Aug. 15.
Apparatus for coating hollow objects. L. H. Germer and G. E. Reitter. 2,508,509, May 23.
Apparatus for coating paper. W. H. Barrett and B. K. Asdell. 2,513,394, July 4.
Apparatus for coating paper. W. P. Taylor. 2,534,320, Dec. 19.
Apparatus for coating paper with carbon wax. J. Lach. 2,529,699, Nov. 14.
Apparatus for coating plates. E. Penker and M. Bulin. 2,532,730, Dec. 5.
Apparatus for coating sheet metal articles. M. I. Dorfan. 2,493,754, Jan. 10.
Apparatus for coating surfaces by thermal vaporization at atmospheric pressure. H. G. Wehe. 2,503,571, Apr. 11.
Apparatus for collapsing water waves. P. Brasher. 2,492,949, Jan. 3.
Apparatus for colonic therapy. A. Touchberry. 2,506,183, May 2.
Apparatus for combining finely divided substances. H. M. Collins and C. D. Wright. 2,532,224, Nov. 28.
Apparatus for combining two cameras. W. L. Berssenbrugge. 2,529,905, Nov. 14.
Apparatus for comminuting and mixing materials. B. Goldman. 2,533,241, Dec. 12.
Apparatus for comparing the rates of operation of two contact devices. B. A. Vuille. 2,530,214, Nov. 14.
Apparatus for compressing fluids. J. S. Parenti. 2,510,247, June 6.
Apparatus for concentrating ores centrifugally. G. G. Chisholm. 2,502,704, Apr. 4.
Apparatus for condensing fabrics. F. Chatfield. 2,522,663, Sept. 19.
Apparatus for condensing metal vapors. C. H. Allen. 2,514,275, July 4.
Apparatus for condensing refrigerants by evaporative cooling. R. C. Stutz. 2,498,017, Feb. 21.
Apparatus for conditioning air. E. B. Miller. 2,507,607, May 16.
Apparatus for conditioning air in mechanical refrigerators. G. L. Pownall. 2,527,572, Oct. 31.
Apparatus for conditioning and supplying clay to pottery forming machinery. W. J. Miller. 2,494,101, Jan. 10.
Apparatus for conditioning bagged material. C. D. Fox. 2,529,548, Nov. 14.
Apparatus for conditioning containers and the like. Z. U. Le Tellier. 2,517,394, Aug. 1.
Apparatus for conditioning cotton for ginning. S. A. Buckmaster. 2,525,116, Oct. 10.
Apparatus for conditioning gases. G. L. Simpson. 2,519,296, Aug. 15.
Apparatus for conducting ion exchange operations. W. R. Swenson. 2,517,051, Aug. 1.
Apparatus for contacting finely divided solid particles with gaseous materials. C. E. Hemminger. 2,494,337, Jan. 10.
Apparatus for contacting gases with granular solids. S. C. Eastwood and R. D. Drew. 2,513,995, July 4.
Apparatus for contacting solids and gaseous fluids. F. H. Blanding. 2,502,954, Apr. 4.
Apparatus for contacting solids with fluids. J. Dubourg. 2,496,523, Feb. 7.
Apparatus for continuous anodizing of sheet metal. J. F. Mason and F. H. Hesch. 2,494,954, Jan. 17.
Apparatus for continuous castings. N. P. Goss. 2,527,545, Oct. 31.
Apparatus for continuously and instantly measuring efficiency. J. M. Krafft. 2,529,615, Nov. 14.
Apparatus for continuously coating wire. F. C. Elder and W. H. Johns. 2,531,561, Nov. 28.
Apparatus for continuously indicating bearing. W. M. McBride. 2,510,992, June 13.
Apparatus for continuously making vulcanized articles. G. E. Berggren. 2,509,668, May 30.
Apparatus for continuously making vulcanized articles. G. E. Berggren. 2,513,781, July 4.
Apparatus for continuously making vulcanized articles. S. S. Sherrill. 2,509,699, May 30.
Apparatus for continuously vulcanizing rubber strip material. B. W. Benbow. 2,532,080, Nov. 28.
Apparatus for contracting the margin of sheet material. J. S. Kamborian. 2,509,149, May 23.
Apparatus for control of typewriters. C. T. Jackson. 2,531,881, Nov. 28.
Apparatus for controlling black level shift in television signals. N. E. Sprecher. 2,525,103, Oct. 10.
Apparatus for controlling fuel and air supply to boilers responsive to boiler demand. A. J. Rosenberger. 2,499,076, Feb. 28.

Apparatus for controlling gas turbine locomotives. R. H. Multhaup. 2,510,753, June 6.
Apparatus for controlling light rays having translucent and reflecting portions. A. G. Zimermann. 2,515,682, July 18.
Apparatus for controlling magnetic fields. H. W. Fulbright. 2,507,301, May 9.
Apparatus for controlling picture displays from sound records. F. Waller. 2,503,083, Apr. 4.
Apparatus for controlling relative movement between a gas torch and a workpiece. H. G. Hughey. 2,515,302, July 18.
Apparatus for controlling silt accumulation. F. R. Harris. 2,500,354, Mar. 14.
Apparatus for controlling slip of vehicle wheels. G. K. Newell. 2,512,055, June 20.
Apparatus for controlling the flow of fluids. P. Kollsman. 2,526,672, Oct. 24.
Apparatus for controlling the passage of wire through a sand pan. C. D. Johnson. 2,531,132, Nov. 21.
Apparatus for converting bundles of continuous filaments into a sliver or roving of staple fiber. C. Rhodes and I. N. McCart. 2,531,787, Nov. 28.
Apparatus for converting crushed material. W. S. Martin. 2,521,591, Sept. 5.
Apparatus for converting material. W. S. Martin. 2,511,281, June 13.
Apparatus for converting metals. R. A. Driscoll. 2,515,764, July 18.
Apparatus for converting wheeled vehicles into sleds. K. H. Meschwitzer. 2,518,561, Aug. 15.
Apparatus for conveyer lubrication. W. F. Weber. 2,525,327, Oct. 10.
Apparatus for conveying and sorting tin plate or the like. G. E. Mirfield and E. H. Connor. 2,520,324, Aug. 29.
Apparatus for conveying containers. R. F. Koppisch and T. Waugh. 2,511,534, June 13.
Apparatus for conveying liquids. M. L. Cover. 2,528,642, Nov. 7.
Apparatus for conveying loose materials. A. D. Sinden. 2,499,171, Feb. 28.
Apparatus for conveying materials. H. R. Schemm. 2,527,455, Oct. 24.
Apparatus for conveying materials. H. R. Schemm. 2,527,488, Oct. 24.
Apparatus for conveying pulverized material. H. Struckmann. 2,498,143, Feb. 21.
Apparatus for cooking and canning meat patties. J. Hoffman and A. Gruff. 2,529,253, Nov. 7.
Apparatus for cooking solids in liquids. B. C. Skinner. 2,531,378, Nov. 21.
Apparatus for cooling and dispensing beverages. E. C. Tanner. 2,502,603, Apr. 4.
Apparatus for cooling and dispensing beverages. E. S. Wegman. 2,502,610, Apr. 4.
Apparatus for cooling curved stereotype printing plates. A. V. Bugler. 2,524,159, Oct. 3.
Apparatus for cooling fluids. E. Bockmeyer. 2,509,031, May 23.
Apparatus for cooling milk and for filling milk containers. J. A. Kingston. 2,532,557, Dec. 5.
Apparatus for copper plating. H. Waterman. 2,502,495, Apr. 4.
Apparatus for countercurrent contact of fluid materials. J. D. Long. 2,523,126, Sept. 19.
Apparatus for covering balls. R. E. Roberts. 2,509,528, May 30.
Apparatus for covering cores. D. D. Jones. 2,513,802, July 4.
Apparatus for creping paper and other crepable foils. K. E. L. Grettve. 2,535,734, Dec. 26.
Apparatus for crush dressing grinding wheels. J. C. Wilson. 2,495,492, Jan. 24.
Apparatus for crushing stems of vegetation. H. L. Whitley. 2,519,304, Aug. 15.
Apparatus for crystallization and the like. I. Merlis. 2,504,033, Apr. 11.
Apparatus for cultivation of plants. P. C. McLemore. 2,531,884, Nov. 28.
Apparatus for curing ingrowing nails and infections caused by said ingrowing nails. F. N. Cronholm. 2,499,851, Mar. 7.
Apparatus for curing of tobacco. J. B. Moore, Jr. 2,534,618, Dec. 19.
Apparatus for cutting continuous filament. P. Pierrat, E. Colombu, and G. Joris. 2,495,236, Jan. 24.
Apparatus for cutting drill pipes. W. F. Bates. 2,525,391, Oct. 10.
Apparatus for cutting strip material. A. J. Bottos. 2,503,994, Apr. 11.
Apparatus for cutting teeth in hand saws. B. G. Daggett. 2,514,567, July 11.
Apparatus for debeaking fowls. W. J. McKnight. 2,501,283, Mar. 21.
Apparatus for decapitating fish. C. M. Savrda. 2,502,175, Mar. 28.
Apparatus for dehydrating gas and recovering condensable hydrocarbons therefrom. E. B. Miller. 2,507,608, May 16.
Apparatus for delivering and receiving telephone messages. D. C. Beatty. 2,525,763, Oct. 17.
Apparatus for delivering measured quantities of material. J. G. Nilsson. 2,529,457, Nov. 7.
Apparatus for delivering pulverized and similar materials. J. G. Sawyer. 2,512,175, June 20.
Apparatus for delivering pulverulent material to a bag from sources of supply through containers under constant head, volumetric feeder means and a packer. J. H. Morrow. 2,509,985, May 30.
Apparatus for demonstrating or laying out landscape plans. D. Lewis and R. O. Monosmith. 2,526,569, Oct. 17.
Apparatus for demonstrating the existence of magnetic lines of force. J. W. Irby. 2,524,804, Oct. 10.
Apparatus for deriving from a recurrent wave, a voltage of relatively low fundamental frequency but of the same shape. J. M. L. Janssen. 2,502,955, Apr. 4.
Apparatus for desiccation by ice sublimation. S. O. Levinson and F. Oppenheimer. 2,533,125, Dec. 5.
Apparatus for detaching the stems from fruit. V. E. Pinard. 2,506,889, May 9.
Apparatus for detecting lightweight or overweight packages and articles. G. W. Cheeseman and G. J. Chomis. 2,521,877, Sept. 12.
Apparatus for detecting lightweight packages and articles. J. A. Stake. 2,521,876, Sept. 12.
Apparatus for detecting magnetic disturbances. T. Zuschlag. 2,519,094, Aug. 15.
Apparatus for detecting surface discontinuities. T. de Forest and H. N. Staats. 2,515,396, July 18.
Apparatus for determination of moisture content. B. Franzén-Lutz and J. P. Lutz. 2,520,394, Aug. 29.
Apparatus for determination of the amount and distribution of applied pressure of shoe soles. J. C. Roper, Jr. 2,502,536, Apr. 4.
Apparatus for determining a direction. H. G. de France. 2,513,849, July 4.
Apparatus for determining conditions within a gun barrel. H. H. Porter. 2,517,133, Aug. 1.
Apparatus for determining eccentricity in tubular sections. H. G. Floyd. 2,497,595, Feb. 14.
Apparatus for determining hardness. R. N. Youngblood. 2,527,612, Oct. 31.
Apparatus for determining initial boiling point of liquids. W. M. Mercer. 2,499,105, Feb. 28.
Apparatus for determining movability of members in wells. P. W. Martin. 2,530,308, Nov. 14.
Apparatus for determining or checking the dimensions of a piece. M. L. Mennesson. 2,504,212, Apr. 18.
Apparatus for determining the depth of liquid in tanks. J. N. Matthews. 2,518,484, Aug. 15.
Apparatus for determining the direction of underwater targets. O. H. Schuck. 2,524,180, Oct. 3.
Apparatus for determining the moisture content of vegetable products. S. T. Dexter. 2,531,673, Nov. 28.
Apparatus for determining the permeability of cores. W. L. Morris. 2,521,079, Sept. 5.
Apparatus for determining the pH of small amounts of a specimen. V. H. Dietz. 2,499,852, Mar. 7.
Apparatus for determining the specific gravity of fluids. E. Raymond and R. S. Castle. 2,524,600, Oct. 3.
Apparatus for determining the speed of a distant object. G. J. Lehmann. 2,502,464, Apr. 4.
Apparatus for developing film. J. S. Powell, Jr. 2,522,763, Sept. 19.
Apparatus for dielectric heat sealing of thermoplastic materials. W. L. Jenkins. 2,517,672, Aug. 8.
Apparatus for diffusing edible substances into composite masses. A. P. Paulus. 2,514,254, July 4.
Apparatus for diffusing water in evaporation coolers. H. R. Gilchrist, Jr. and D. H. Young. 2,517,998, Aug. 8.
Apparatus for diluting and washing pulp solutions and like materials. G. J. Lipscomb. 2,506,882, May 9.
Apparatus for discharging fluid at ambient temperature and a selected pressure, using a gas condensible at said temperature and pressure and acting on a flexible wall contacting said fluid. R. T. Cornelius. 2,513,455, July 4.
Apparatus for discharging static electricity from aircraft. W. H. Bennett. 2,515,182, July 18.
Apparatus for discharging viscous liquids in a well. W. B. Fultz. 2,526,021, Oct. 17.
Apparatus for dishing and varigating substantially flat glass sheets. E. R. Boyles and C. M. Pattison. 2,503,653, Apr. 11.
Apparatus for disintegration of solids. J. I. Yellott. 2,515,541, July 18.
Apparatus for dispensing and applying alcohol to applicators. J. P. Sakowski. 2,495,551, Jan. 24.
Apparatus for dispensing liquefied gases. A. L. Preston. 2,528,780, Nov. 7.
Apparatus for dispensing liquids or gases. M. C. Carbonaro. 2,527,703, Oct. 31.
Apparatus for dispensing viscose fluids. W. E. Cellwork. 2,495,671, Jan. 24.
Apparatus for draining railroad refrigerator cars. H. K. Blanning. 2,502,698, Apr. 4.
Apparatus for dressing a grinding wheel to a predetermined configuration. J. C. Wilson. 2,503,646, Apr. 11.
Apparatus for dressing the edges of the upper leather in the manufacture of shoes. V. Bata and A. Vitek. 2,517,277, Aug. 1.
Apparatus for drilling boreholes. L. F. Smith. 2,507,122, May 9.
Apparatus for drilling deflecting well bores. J. A. Zublin. 2,500,267, Mar. 14.
Apparatus for drilling wells. M. A. Natland and H. A. Taylor. 2,514,586, July 11.

Apparatus for drilling wells. H. A. Taylor. 2,520,517, Aug. 29.
Apparatus for driving flexible members. R. A. Fryklund. 2,498,990, Feb. 28.
Apparatus for drowning nitrocellulose. J. D. Pearson and D. G. Ashcroft. 2,517,918, Aug. 8.
Apparatus for drying. W. W. Letts. 2,535,216, Dec. 26.
Apparatus for drying and expediting the setting of plastic concrete. J. G. A. Johnson. 2,529,500, Nov. 14.
Apparatus for drying and incinerating waste materials. C. W. Nichols. 2,505,363, Apr. 25.
Apparatus for drying fabrics or the like. D. T. Balph. 2,498,478, Feb. 21.
Apparatus for drying fabrics or the like. E. K. Clark. 2,500,062, Mar. 7.
Apparatus for drying laundry. S. Pawlansky. 2,499,328, Feb. 28.
Apparatus for drying material in the form of webs. S. Wellmar. 2,518,104, Aug. 8.
Apparatus for drying paper, paperboard, pulp, and the like. R. A. Hayward. 2,532,910, Dec. 5.
Apparatus for drying strip material. V. A. Rayburn. 2,501,875, Mar. 28.
Apparatus for drying webs. B. Offen. 2,532,032, Nov. 28.
Apparatus for drying webs of material, especially stentering machines. K. S. Laurie. 2,493,253. Jan. 3.
Apparatus for duplicating slotted cards. M. J. Drachman. 2,519,031, Aug. 15.
Apparatus for dynamic compression testing. O. Stern. 2,496,420, Feb. 7.
Apparatus for effecting operation of pressure operated mechanisms. J. K. Douglas. 2,525,021, Oct. 10.
Apparatus for effecting speed changes in mechanical transmissions. E. Orshansky, Jr. 2,493,417, Jan. 3.
Apparatus for electric welding seam portions of electrically conducting articles. L. L. Jones and G. K. Barger. 2,515,230, July 18.
Apparatus for electric welding side seam portions of can bodies. L. L. Jones and G. K. Barger. 2,517,574, Aug. 8.
Apparatus for electrically measuring thicknesses. G. Jacot and J. Monti. 2,510,822, June 6.
Apparatus for electroanalysis. J. Heyrovský. 2,500,284, Mar. 14.
Apparatus for electroplating. J. M. Kennedy, A. P. Knight, and H. J. Lee. 2,506,794, May 9.
Apparatus for electroplating the inside of pipes. S. G. Bart. 2,503,863, Apr. 11.
Apparatus for electroplating workpieces. M. Lang. 2,498,128, Feb. 21.
Apparatus for electroprocessing workpieces. A. Hannon. 2,512,642, June 27.
Apparatus for electrostatically coating articles. H. P. Ransburg and N. S. Curtis. 2,509,448, May 30.
Apparatus for electrostatically depositing adherent coating materials. E. M. Ransburg and N. S. Curtis. 2,509,276, May 30.
Apparatus for electrotreating metal slide fasteners. W. Mikulas. 2,517,907, Aug. 8.
Apparatus for eliminating dust and fumes. D. H. Petty. 2,498,469, Feb. 21.
Apparatus for eliminating dust and fumes. R. Webster and D. H. Petty. 2,498,468, Feb. 21.
Apparatus for embossing leather-like materials. J. K. Mason and P. P. Crisp. 2,514,213, July 4.
Apparatus for emptying bread pans. F. E. Eyster. 2,524,656. Oct. 3.
Apparatus for enciphering and deciphering cryptographic communications. F. M. Martinez. 2,533,384. Dec. 12.
Apparatus for engraving glass. C. H. Griss. 2,504,831, Apr. 18.
Apparatus for ensuring the inhalation of a gas. R. E. Rochette and R. Daligault. 2,517,241, Aug. 1.
Apparatus for evaporating viscous liquids. M. J. Kermer. 2,510,233. June 6.
Apparatus for examination of materials by elastic waves. M. Meunier. 2,505,867, May 2.
Apparatus for examining gems and crystals. H. L. Woodruff. 2,494,078, Jan. 10.
Apparatus for exfoliating granular siliceous material. E. C. Patrick. 2,511,293, June 13.
Apparatus for expanding slag. D. G. Wheeler. 2,498,904, Feb. 22.
Apparatus for expanding thermoplastic tubing. V. F. Wigal. 2,494,273, Jan. 10.
Apparatus for expanding tubes in tube seats. W. B. Carlson. 2,535,782, Dec. 26.
Apparatus for exposing and processing photographic film. E. H. Land. 2,496,630, Feb. 7.
Apparatus for extracting juice from citrus fruits and the like. F. A. Quiroz. 2,522,800, Sept. 19.
Apparatus for extracting water from air. W. D. Suiter. 2,499,982, Mar. 7.
Apparatus for extruding hollow cylindrical bodies. J. J. Dyer. 2,503,230, Apr. 4.
Apparatus for extruding organic plastic material. S. M. Martin. 2,511,986, June 20.
Apparatus for extruding plastic materials. G. Consalvo. 2,508,495, May 23.
Apparatus for extruding thermoplastic materials. W. A. Magerkurth and H. E. Buecken. Re. 23,240, June 13.
Apparatus for feeding and transferring articles. W. E. Zimmermann and H. E. Weidanz. 2,493,212, Jan. 3.
Apparatus for feeding batch. W. F. Gaunder. 2,509,390, May 30.
Apparatus for feeding blades from a stack. J. A. Gilbert. 2,525,031, Oct. 10.
Apparatus for feeding cutting tools. H. K. Baker. 2,516,842, Aug. 1.
Apparatus for feeding elongated stock to and from fabricating units. E. Lombard. 2,525,305, Oct. 10.
Apparatus for feeding envelopes or the like from a stacked pile. J. R. Bamber. 2,524,417, Oct. 3.
Apparatus for feeding flux and solder. E. A. Schryber. 2,515,097, July 11.
Apparatus for feeding gas into molten metal baths. E. A. Johnson, Jr. 2,506,598, May 9.
Apparatus for feeding liquid fuel to internal-combustion engines. P. G. Vanni. 2,521,270, Sept. 5.
Apparatus for feeding plastic ceramic material to molds. W. J. Miller. 2,497,510, Feb. 14.
Apparatus for feeding solid material. C. Sundstrom and C. T. Patterson. 2,525,973, Oct. 17.
Apparatus for field-filling high-pressure dispensers. A. Brothman. 2,508,142, May 16.
Apparatus for filling bags. C. H. Hartman, E. A. Marsh, and N. E. Dorrington. 2,524,908, Oct. 10.
Apparatus for filling containers with ice cream with cutter means and container controlled circuit breaking means for stopping the apparatus. R. M. Hessert. 2,517,107, Aug. 1.
Apparatus for filling containers with liquid. D. W. Bingham. 2,530,755, Nov. 21.
Apparatus for film-type distillation. M. L. Madlen. 2,500,900, Mar. 14.
Apparatus for filtration of liquids. E. W. Baily. 2,496,370, Feb. 7.
Apparatus for fine measurements such as comparators and extensometers. R. S. Clay and J. A. Moore. 2,497,345, Feb. 14.
Apparatus for firing dehydrating plants and for cooling the product. J. C. Byers. 2,522,342, Sept. 12.
Apparatus for fixing blade angulation of wind-driven multiblade propellers. M. L. Jacobs. 2,505,969, May 2.
Apparatus for fixing transfers. W. A. Johnson. 2,519,661, Aug. 22.
Apparatus for flame cultivation. A. W. Peck. 2,531,741, Nov. 28.
Apparatus for flame cultivation of plants. P. C. McLemore. 2,528,899, Nov. 7.
Apparatus for flavoring bakery products. J. N. Kubricht. 2,528,233, Oct. 31.
Apparatus for fluffing asbestos. J. E. Ferguson. 2,522,936, Sept. 19.
Apparatus for fluid treatment of artificial filaments and threads. H. Crewdson. 2,499,464, Mar. 7.
Apparatus for flushing toilets. K. H. N. Schulpen. 2,510,910, June 6.
Apparatus for folding paper sheets. E. J. La Cour. 2,493,410, Jan. 3.
Apparatus for footing glassware. H. Richter. 2,508.687, May 23:
Apparatus for forging parts showing important variations in their cross section. F. Meley. 2,534,613, Dec. 19.
Apparatus for forming a hinge surface on a last block. L. E. Topham and G. P. S. Cross. 2,535,465, Dec. 26.
Apparatus for forming and applying stone-simulating wall finishes. F. L. Hornberger. 2,517,432, Aug. 1.
Apparatus for forming and driving staples. W. L. Sorenson. 2,520,973, Sept. 5.
Apparatus for forming and identifying articles. R. C. Lawrence. 2,521,123, Sept. 5.
Apparatus for forming annular tubular bodies. G. H. Schanz. 2,501,584, Mar. 21.
Apparatus for forming concave surfaced articles. E. A. Hawk. 2,512,275, June 20.
Apparatus for forming concrete slabs. R. A. Badt. 2,508,635, May 23.
Apparatus for forming designs in nylon stockings. E. F. Seemuller. 2,524,604, Oct. 3.
Apparatus for forming glassware. G. E. Rowe. 2,508,890–1, May 23.
Apparatus for forming heat activatable material by dielectric heating. H. W. Taylor. 2,521,808, Sept. 12.
Apparatus for forming hollow thermoplastic containers by drawing. H. E. Smith. 2,531,539, Nov. 28.
Apparatus for forming integral fins on a length of stock. W. P. Hill. 2,508,518, May 23.
Apparatus for forming metallic films on tubular carriers. S. A. Johnson and H. W. Schleuning. 2,522,272, Sept. 12.
Apparatus for forming pills or pelleted particles. L. C. Huff. 2,525,135, Oct. 10.
Apparatus for forming plywood panels. P. H. Kruse and T. W. Rucker, III. 2,499,959, Mar. 7.
Apparatus for forming potato digger links. L. W. Court. 2,497,297, Feb. 14.
Apparatus for forming ribbed strips for insoles. S. M. Griswold. 2,523,467, Sept. 26.
Apparatus for forming ribbons of glass and other thermoplastic materials. G. Slayter. 2,509,845, May 30.
Apparatus for forming shoes of the pre-welted type. H. B. Koch. 2,518,336, Aug. 8.
Apparatus for forming sinuous bends. R. L. Fearn. 2,508,859, May 23.

Apparatus for forming thermoplastic molds for use in electrotyping. R. R. Myers. 2,496,014, Jan. 31.
Apparatus for forming tubular L's. C. J. Martin. 2,528,315, Oct. 31.
Apparatus for fraying strip fabrics. T. G. Nanson. 2,529,042, Nov. 7.
Apparatus for freezing desserts. L. N. Yohe. 2,511,314, June 13.
Apparatus for freezing fluids. E. H. and M. H. Pace. 2,533,616, Dec. 12.
Apparatus for fusing edges of previously cut strip material. A. M. Gardner. 2,527,183, Oct. 24.
Apparatus for gas analysis. B. P. Udale. 2,510,533, June 6.
Apparatus for gaseous conversions in presence of a moving contact material. F. C. Fahnestock. 2,499,305, Feb. 28.
Apparatus for gaseous fuel analysis. R. G. Russell and R. H. Donnald. 2,523,721, Sept. 26.
Apparatus for gasifying carbonaceous solids. W. F. Rollman. 2,527,198, Oct. 24.
Apparatus for gas-solid contacting. G. S. Dunham. 2,493,235, Jan. 3.
Apparatus for gauging textiles, particularly yarns and sliver. O. Grob and H. Locher. 2,516,768, July 25.
Apparatus for gelling and vulcanizing rubber. T. J. R. Dibdin. 2,526,461, Oct. 17.
Apparatus for generating acetylene gas. F. Ott. 2,535,227, Dec. 26.
Apparatus for generating an accurately focused beam of charged particles and for related purposes. R. J. Van de Graaff and W. W. Buechner. 2,517,260, Aug. 1.
Apparatus for generating electrical impulses. A. D. Blumlein. 2,496,979, Feb. 7.
Apparatus for generating sound waves. C. B. Horsley and G. C. Seavey. 2,514,129, July 4.
Apparatus for grinding arcuate or annular work. H. E. Caston. 2,515,695, July 18.
Apparatus for grinding drills. M. Douglas. 2,512,888, June 27.
Apparatus for grinding drills and the like. P. H. Needham. 2,520,647, Aug. 29.
Apparatus for grinding, mixing, and kneading materials. G. A. Vasel. 2,509,379, May 30.
Apparatus for grinding or polishing flat glass. L. Labby and P. Bousseau. 2,508,863, May 23.
Apparatus for grooving rolls. V. S. Jackson. 2,496,395, Feb. 7.
Apparatus for grooving rolls. P. R. Moss. 2,502,268, Mar. 28.
Apparatus for growing aerobic organisms. R. S. Hatch and R. N. Hammond. 2,522,947, Sept. 19.
Apparatus for gumming bands. P. J. Dansereau. 2,515,760, July 18.
Apparatus for handling a line in a derrick. G. R. Hunt. 2,513,095, June 27.
Apparatus for handling aircraft cargo. G. O. Noville. 2,498,819, Feb. 28.
Apparatus for handling bulk insulating material. H. C. Chamberlin. 2,511,246, June 13.
Apparatus for handling containers. G. E. Hube and I. F. Finsberg. 2,511,266, June 13.
Apparatus for handling gases. H. Hooper. 2,534,597, Dec. 19.
Apparatus for handling loads. J. H. Kemp, Jr. 2,530,704, Nov. 21.
Apparatus for handling materials. F. C. Henriques, Jr. 2,500,492. Mar. 14.
Apparatus for handling oil field emulsions. R. C. Buchan. 2,522,429, Sept. 12.
Apparatus for handling radioactive solutions. W. Q. Smith and G. W. Struthers. 2,531,953, Nov. 28.
Apparatus for handling rolled strip steel. R. E. De Garmo. 2,515,397, July 18.
Apparatus for handling sheets. E. A. Wilckens. 2,514,819, July 11.
Apparatus for handling sheets during inspection. A. J. Berdis and L. S. Dahl. 2,497,149, Feb. 14.
Apparatus for handling stacked containers. W. E. Miller. 2,498,740, Feb. 28.
Apparatus for handling strip. L. A. Vignere. 2,527,976, Oct. 31.
Apparatus for handling suspensions of solids in gases. G. W. Robinson. 2,513,253, June 27.
Apparatus for handling the shipment of goods in bulk. R. D. Apperson. 2,498,906, Feb. 28.
Apparatus for handling unit loads. T. F. Vogel. 2,509,023, May 23.
Apparatus for hardening and drawing ferrous metallic articles. F. O. Hess, F. Maud, and W. B. Troupe. 2,504,685, Apr. 18.
Apparatus for heat exchange between liquids. T. Ramén. 2,526,157, Oct. 17.
Apparatus for heat sealing. N. Langer. 2,509,439, May 30.
Apparatus for heat-treating and sterilizing liquid foods. C. O. Ball. 2,508,212, May 16.
Apparatus for heat-treating gear teeth. F. S. Denneen and W. C. Dunn. 2,524,044, Oct. 3.
Apparatus for heat-treating granular materials. J. B. Henwood. 2,520,637, Aug. 29.
Apparatus for heat-treating metal objects. A. J. Davis. 2,496,383. Feb. 7.
Apparatus for heat treating propellers and the like. F. A. Gruetjen. 2,493,135, Jan. 3.
Apparatus for heat-treating steel. P. J. Wilton. 2,516,282, July 25.
Apparatus for heat-treating wheels. H. B. Wishart. 2,535,111, Dec. 26.
Apparatus for heating and cooling foods. M. H. Switzer and C. O. Ball. 2,513,898, July 4.
Apparatus for heating and spraying lacquer or the like. A. L. Stevens. 2,517,049, Aug. 1.
Apparatus for heating canned foods. R. L. Davis. 2,532,014, Nov. 28.
Apparatus for heating fluids. D. H. Greene. 2,530,958, Nov. 21.
Apparatus for heating motor vehicle door keys. A. J. Drugan. 2,530,513, Nov. 21.
Apparatus for heating or cooling the atmosphere within an enclosure. F. M. Jones. 2,526,874, Oct. 24.
Apparatus for helically coiling flat metal strips. N. H. Bolz. 2,508,902, May 23.
Apparatus for holding and vaporizing liquefied gases. A. L. Preston. 2,515,836, July 18.
Apparatus for holding and vaporizing liquefied gases, Portable. A. L. Preston and G. H. Zenner. 2,502,588, Apr. 4.
Apparatus for holding infants. P. M. Rogatz. 2,495,482, Jan. 24.
Apparatus for homogeneously combining finely divided substances. H. M. Collins and N. E. Adcock. 2,502,778, Apr. 4.
Apparatus for hot-air heating systems. W. W. Hallinan. 2,512,425, June 20.
Apparatus for hydrocarbon conversion. G. L. Johnson. 2,493,672, Jan. 3.
Apparatus for hygienically treating the hands. E. S. Franklin and C. Sattler. 2,517,996, Aug. 8.
Apparatus for identifying mobile equipment. W. G. Read. 2,498,896, Feb. 28.
Apparatus for illuminating images for projectors. B. G. Robbins. 2,494,356, Jan. 10.
Apparatus for illustrating economics by physical analogies. J. D. Mooney. 2,526,261, Oct. 17.
Apparatus for illustrating relation between economic profit and loss. J. D. Mooney. 2,526,260, Oct. 17.
Apparatus for imparting false twist to strands. B. H. Foster and H. T. Battin. 2,515,299, July 18.
Apparatus for implanting medicinal pellets subcutaneously. M. R. Fields. 2,513,014, June 27.
Apparatus for impregnating heat insulating material. C. G. Munters. 2,535,087, Dec. 26.
Apparatus for improving the reception of telegraph signals. J. L. Richey. 2,513,362, July 4.
Apparatus for increasing production of oil wells. B. M. Higginbotham and R. S. Hamilton. 2,500,990, Mar. 21.
Apparatus for increasing the homogeneity of molten glass. F. V. Tooley, R. G. Russell, and R. B. Wiley. 2,515,478. July 18.
Apparatus for indicating and measuring small movements. M. Blau. 2,501,560, Mar. 21.
Apparatus for indicating differential speeds of rotating elements. F. R. Eddy. 2,511,104, June 13.
Apparatus for indicating location of metallic particles in fibrous bodies. K. L. Orser. 2,506,887, May 9.
Apparatus for indicating that telephone conversation is being recorded. L. Thompson and D. F. Balmer. 2,528,459, Oct. 31.
Apparatus for indicating the presence of inflammable vapors or gas. H. T. Ringrose. 2,534,796, Dec. 19.
Apparatus for inducing pyrexia. C. R. D. Burns and A. R. Sivley. 2,501,989, Mar. 28.
Apparatus for induction heating rotatably mounted piston rings. H. P. Phillips. 2,495,474, Jan. 24.
Apparatus for injecting liquids under the soil. J. M. Bickerton and G. P. Malvese. 2,509,627, May 30.
Apparatus for injecting medicinal solutions. D. Prytz. 2,515,470, July 18.
Apparatus for inserting bolts into concrete. S. M. Dunn. 2,504,311, Apr. 18.
Apparatus for inserting sticks in stick holders. L. W. von Losberg and A. Friedman. 2,527,471, Oct. 24.
Apparatus for inspecting and sorting sheets. A. E. Kadell. 2,506,087, May 2.
Apparatus for inspecting sheets. A. E. Kadell. 2,501,224, Mar. 21.
Apparatus for installing and removing shutoff plugs in well pipes. G. A. Gump. 2,517,870, Aug. 8.
Apparatus for installing casing protectors on drill pipes. J. C. Ballagh. 2,522,495, Sept. 19.
Apparatus for installing electric power cables. C. E. Bennett and P. V. White. 2,498,834, Feb. 28.
Apparatus for introducing air to insulated electrode structures in electrical precipitators. F. H. Viets. 2,526,715, Oct. 24.
Apparatus for investing under vacuum dental wax patterns or any other type of pattern. C. E. Pomés. 2,507,867, May 16.
Apparatus for irrigating land. A. B. McIntyre. 2,509,605, May 30.
Application for jet mining and excavating. C. P. T. Aston and C. Wildi. 2,518,591, Aug. 15.
Apparatus for jet propulsion through water by combustion of carbureted fuel. C. A. Gongwer and W. J. Merboth. 2,522,945, Sept. 19.

Apparatus for joining pieces of plastic. A. M. Andrews. 2,495,680, Jan. 31.
Apparatus for knitting float patterns. S. J. Haddad. 2,516,697, July 25.
Apparatus for laminating strands to form a circular fabric. K. S. Ewer. 2,502,514, Apr. 4.
Apparatus for lifting cylindrical objects. J. J. Ferrario and J. Dondero. 2,497,118, Feb. 14.
Apparatus for lining can ends. R. K. Pottle. 2,516,908, Aug. 1.
Apparatus for loading and unloading cans with conveyer mechanism in conjunction with a hydraulic hoist and a crate having false bottoms. C. T. Busse. 2,506,661, May 9.
Apparatus for loading freight or the like. S. M. Nampa. 2,513,348, July 4.
Apparatus for locating open circuit faults in electrical circuits. W. H. Bruns. 2,493,524, Jan. 3.
Apparatus for logging boreholes. T. A. Huber and G. E. Cannon. 2,497,990, Feb. 21.
Apparatus for logging wells. J. J. Arps. 2,524,031, Oct. 3.
Apparatus for logging wells in terms of drilling rates. J. T. Hayward. 2,494,092, Jan. 10.
Apparatus for magnetic recording. M. Camras. 2,528,261, Oct. 31.
Apparatus for making a joint in a flat metal sleeve for overlapping portions of metal strapping. W. C. Gillman. 2,494,386, Jan. 10.
Apparatus for making cemented pile fabric. P. S. Smith. 2,497,330, Feb. 14.
Apparatus for making centrifugal castings. E. R. Olsen, R. F. Flora, and C. J. Lonnee. 2,518,055, Aug. 8.
Apparatus for making color prints. C. M. Tuttle and F. M. Brown. 2,521,954, Sept. 12.
Apparatus for making color prints. F. C. Williams and F. M. Brown. 2,500,049, Mar. 7.
Apparatus for making cookies and the like. A. Benson. 2,526,193, Oct. 17.
Apparatus for making display film. H. Fletcher, Jr. 2,525,121, Oct. 10.
Apparatus for making endless V-belts. H. G. Lykken. 2,529,301, Nov. 7.
Apparatus for making fibrous products. G. M. Lannan. 2,500,690, Mar. 14.
Apparatus for making finned tube heat exchangers. J. R. Hayward. 2,532,303, Dec. 5.
Apparatus for making flexible bands. G. Vollet. 2,503,365, Apr. 11.
Apparatus for making flexible metal hose. S. Guarnaschelli. 2,496,790, Feb. 7.
Apparatus for making greeting cards. G. J. and B. Klein. 2,503,747, Apr. 11.
Apparatus for making hair retainers. L. T. Sawyer. 2,531,299, Nov. 21.
Apparatus for making helical shaped candies. N. A. Nilsson. 2,501,288, Mar. 21.
Apparatus for making ice. W. B. Kirkpatrick. 2,493,149, Jan. 3.
Apparatus for making ice. G. F. Perry and M. J. Halfpenny. 2,512,809, June 27.
Apparatus for making ice cubes. A. D. Smith. 2,508,625, May 23.
Apparatus for making interrupted type faces. G. A. Simms. 2,506,746, May 9.
Apparatus for making intravaginal packs. O. Popper, and G. K. Melvill. 2,495,420, Jan. 24.
Apparatus for making jiggered potteryware. W. J. Miller. 2,506,378, May 2.
Apparatus for making laddered tape for Venetian blinds. C. H. Frankel and I. M. Sondak. 2,527,627, Oct. 31.
Apparatus for making metallic bellows. W. H. Grant. 2,495,059, Jan. 17.
Apparatus for making mold charges from plastic ceramic materials. A. J. Wahl. 2,494,112, Jan. 10.
Apparatus for making molds. R. M. Smith. 2,535,656, Dec. 26.
Apparatus for making paper cord. B. M. Kimball. 2,505,050, Apr. 25.
Apparatus for making pin type flower holders. H. W. Norberg. 2,500,857, Mar. 14.
Apparatus for making precast concrete units. A. Henderson. 2,495,100, Jan. 17.
Apparatus for making records. L. M. Keefe. 2,529,083, Nov. 7.
Apparatus for making resistance measurements. P. J. Kohler. 2,527,138, Oct. 24.
Apparatus for making shoulder pads. R. B. Perry. 2,522,690, Sept. 19.
Apparatus for making staple fiber. R. H. Barnard. 2,518,744, Aug. 15.
Apparatus for making stems for electrical devices. W. J. Knochel and C. Wiener. 2,530,168, Nov. 14.
Apparatus for making toast. H. G. Tatosian. 2,514,977, July 11.
Apparatus for making trim panels. C. J. Davies. 2,500,895, Mar. 14.
Apparatus for making V-belts. R. J. Gorecki. 2,518,137, Aug. 8.
Apparatus for making variegated ice cream. L. F. Marks. 2,527,273, Oct. 24.
Apparatus for making wire tire fabric. A. E. Benson, H. S. Howe, and C. Mosshart. 2,512,762, June 27.
Apparatus for making wrench nuts. R. A. Johnson. 2,530,968, Nov. 21.
Apparatus for manufacture of carbon black. W. B. Wiegand and H. A. Braendle. 2,499,437–8, Mar. 7.
Apparatus for manufacture of helical coils of tubing. C. B. McLaughlin, J. D. Ochs, and C. L. Redmon. 2,505,623, Apr. 25.
Apparatus for manufacture of precision glass tubing. C. E. Campbell. 2,531,394, Nov. 28.
Apparatus for manufacture of stereotype dry mats and similar multilayer sheet materials. H. C. Friel. 2,501,716, Mar. 28.
Apparatus for manufacture of trusses. S. Keller. 2,529,556, Nov. 14.
Apparatus for manufacture or treatment of thread. H. A. Kuljian. 2,495,936, Jan. 31.
Apparatus for manufacturing a continuous strip of solid alcohol. J. E. Schultze. 2,534,629, Dec. 19.
Apparatus for manufacturing cement-asbestos board. W. and J. Bernard. 2,500,923, Mar. 21.
Apparatus for manufacturing cement-asbestos board. W. and J. Bernard. 2,503,466, Apr. 11.
Apparatus for manufacturing closures from flexible plastic material. R. H. McClellan. 2,529,847, Nov. 14.
Apparatus for manufacturing endless belts. R. S. Carter and E. G. Kimmich. 2,510,553, June 6.
Apparatus for manufacturing pottery ware. W. J. Miller. 2,499,602, Mar. 7.
Apparatus for manufacturing radio tubes. M. J. Christiansen, R. J. Detuno, and H. W. Garbe. 2,533,919, Dec. 12.
Apparatus for manufacturing tapered wires and tapered strip material. C. W. Hansell. 2,502,005, Mar. 28.
Apparatus for manufacturing valve bags. D. Belcher, R. J. Williams, and J. E. Voege. 2,527,295, Oct. 24.
Apparatus for manufacturing viscose rayon yarn. A. S. Brown and C. J. Barrow. 2,524,618, Oct. 3.
Apparatus for manufacturing whipped cream. F. F. Suellentrop. 2,505,439, Apr. 25.
Apparatus for measuring adherence of coating films. H. Green. 2,498,265, Feb. 21.
Apparatus for measuring air speed. J. W. Gray. 2,534,712, Dec. 19.
Apparatus for measuring and controlling moisture content or the like. W. C. Anderson. 2,535,027, Dec. 26.
Apparatus for measuring and recording oscillating pressures, particularly blood pressure. F. A. E. Serrell. 2,505,436, Apr. 25.
Apparatus for measuring blast pressures. P. H. Weiss. 2,519,421, Aug. 22.
Apparatus for measuring coating thickness. S. Lipson. 2,507,529, May 16
Apparatus for measuring electrical characteristics. F. G. Taborsky. 2,507,324, May 9.
Apparatus for measuring liquid content. J. A. Pellettere. 2,521,477, Sept. 5.
Apparatus for measuring liquid flow. C. T. Beggs. 2,501,705, Mar. 28.
Apparatus for measuring local variations in flux density in a magnetic field. W. M. Powell. 2,530,176, Nov. 14.
Apparatus for measuring ordinates on a strip chart. D. K. Warner. 2,533,649, Dec. 12.
Apparatus for measuring propeller blades. D. J. Davis. 2,495,891, Jan. 31.
Apparatus for measuring radiant energy. F. G. Brockman. 2,516,672, July 25.
Apparatus for measuring radiation. W. J. D. van Dijck and L. A. Ginsel. 2,496,239, Jan. 31.
Apparatus for measuring the composition of a gas. D. E. Richardson. 2,511,177, June 13.
Apparatus for measuring the pressure-flow characteristics of greases. H. G. Smith. 2,526,832, Oct. 24.
Apparatus for measuring the product of two or more variables. O. B. Vetter. 2,524,241, Oct. 3.
Apparatus for measuring the thickness of semiopaque material. P. E. Marenholtz. 2,517,330, Aug. 1.
Apparatus for measuring the thickness of the material of articles, such as tubes, etc. B. Ljungström and G. H. Larsson. 2,511,276, June 13.
Apparatus for measuring the width of flexible strip material. S. C. Coroniti, W. A. Schmidt, and H. S. Baldwin. 2,514,847, July 11.
Apparatus for measuring transverse accelerations. H. A. Mason. 2,523,474, Sept. 26.
Apparatus for measuring viscosity. M. O. Kilpatrick. 2,519,378, Aug. 22.
Apparatus for melting and treating metal. F. F. Poland. 2,510,932, June 6.
Apparatus for melting coating materials and the like. R. C. Gould. 2,499,493, Mar. 7.
Apparatus for melting rubberized bituminous compositions. A. M. Root, Jr. 2,528,975, Nov. 7.
Apparatus for mining coal or similar mineral. G. A. Merchant. 2,531,072, Nov. 21.
Apparatus for mixing. J. G. Suthard and R. A. Robinson. 2,527,689, Oct. 31.
Apparatus for mixing and dispensing flavoring sirups and carbonated water. M. Rubinfield. 2,515,570, July 18.
Apparatus for mixing and pouring a quick-setting material. T. J. Foster. 2,498,363, Feb. 21.
Apparatus for mixing liquids. A. L. Payton. 2,530,174, Nov. 14.

Apparatus for mixing molten glass. F. V. Tooley. 2,520,577, Aug. 29.
Apparatus for molding. L. D. Richardson. 2,509,783, May 30.
Apparatus for molding castings having deep fins. W. M. Venner and P. L. Bowser, Jr. 2,502,767, Apr. 4.
Apparatus for molding concrete roof tile or the like. B. A. Nijland. 2,516,070, July 18.
Apparatus for molding concrete septic tanks. E. Fry and H. Fasenmyer. 2,527,717, Oct. 31.
Apparatus for molding confections. J. C. Doyle. 2,515,952, July 18.
Apparatus for molding cored articles from hot rubber and the like. C. H. Judisch. 2,493,069, Jan. 3.
Apparatus for molding curved concrete panels. C. F. Schaaf. 2,505,342, Apr. 25.
Apparatus for molding insulation about a cable splice. G. Bonnett. 2,497,757, Feb. 14.
Apparatus for molding or casting articles. M. J. Portmann, Jr. and W. J. Wagner. 2,510,716, June 6.
Apparatus for molding plastic material. M. E. and H. E. Nye. 2,531,888, Nov. 28.
Apparatus for molding resinous articles. A. J. Wiltshire, R. W. Lotz, and R. B. White. 2,512,535, June 20.
Apparatus for molding sliders for slide fasteners. J. Bolten, Jr. 2,519,171, Aug. 15.
Apparatus for molding terminals on electric conductors. C. H. Judisch. 2,500,546, Mar. 14.
Apparatus for molding thermosetting plastic materials. C. H. Stowe. 2,510,841, June 6.
Apparatus for molding tire flaps. H. W. Huff. 2,495,102, Jan. 17.
Apparatus for motor trucks, Self-loading. M. Smith. 2,504,232, Apr. 18.
Apparatus for motor vehicles, Heating and ventilating. A. B. Arnold. 2,510,790, June 6.
Apparatus for mounting warp-stop detectors in looms. H. Meier. 2,527,755, Oct. 31.
Apparatus for moving articles. C. Manaseri. 2,532,849, Dec. 5.
Apparatus for observing the conduct of a projectile in a gun. N. M. Smith, Jr. and J. A. Crocker. 2,514,297, July 4.
Apparatus for obtaining multiple packages, especially adaptable for tablets and similar products. C. Nicolle. 2,494,484, Jan. 10.
Apparatus for oiling textile materials. F. W. Watson. 2,528,199, Oct. 31.
Apparatus for one-time posting systems. F. F. Pfeiffer, D. H. Lansing, and R. B. Smith. 2,494,142, Jan. 10.
Apparatus for operating devices having a negative resistance characteristic from an alternating electric current supply circuit. A. H. B. Walker. 2,497,522, Feb. 14.
Apparatus for operating devices having a negative temperature characteristic from an alternating current supply circuit. A. H. B. Walker. 2,509,380, May 30.
Apparatus for operating gas turbine plants. W. Traupel. 2,494,320, Jan. 10.
Apparatus for operating lathes. C. A. Bickel. 2,512,008, June 20.
Apparatus for operating the gates or doors of elevators. C. O. Harmon. 2,534,596, Dec. 19.
Apparatus for orthodiagraphy. J. L. Worden and I. K. Saltzman. 2,526,988, Oct. 24.
Apparatus for packaging cigars in layers with the cigars in one layer staggered with respect to cigars in adjacent layers. G. E. Boudreau. 2,493,221, Jan. 3.
Apparatus for packaging materials. T. M. Reimers. 2,515,838, July 18.
Apparatus for packaging shoelaces. J. P. Whelan. 2,512,124, June 20.
Apparatus for perforating sheet material. J. W. Meaker. 2,495,534, Jan. 24.
Apparatus for perforating well casings and well walls. M. Muskat, F. W. Parker, and W. L. Kehl. 2,494,256, Jan. 10.
Apparatus for performing clay charges prior to jiggering. W. J. Miller. 2,506,376, May 2.
Apparatus for permanently waving hair. J. S. Cipolla. 2,508,375, May 23.
Apparatus for photographic reproduction by means of an electronic flash bulb. F. L. McGuffin. 2,530,396, Nov. 21.
Apparatus for plasticizing plastic material. G. E. Gliss. 2,505,355, Apr. 25.
Apparatus for plating. R. A. Schaefer, J. B. Mohler, and H. Pochapsky. 2,500,206, Mar. 14.
Apparatus for plating crankshafts. E. L. Berkenkotter and J. H. Herz. 2,530,677, Nov. 21.
Apparatus for plating of metals. J. J. Lander. 2,516,058, July 18.
Apparatus for polishing or forming facets on gems, diamonds, or the like. J. H. Spira. 2,534,384, Dec. 19.
Apparatus for positioning a rotary controlled element. H. E. Elliott. 2,517,854, Aug. 8.
Apparatus for positioning cores. W. G. Mueller, K. Klause, and A. M. Meier. 2,493,590, Jan. 3.
Apparatus for practicing ping-pong and the like. G. Lemon. 2,508,461, May 23.
Apparatus for preheating molding powders. R. D. Beck. 2,535,829, Dec. 26.
Apparatus for preparation of rotogravure cylinders. R. A. Diehm. 2,523,199, Sept. 19.
Apparatus for preparing crabs. S. G. Harris and S. C. Willis. 2,502,091, Mar. 28.
Apparatus for preparing masking aprons. W. A. Bibary. 2,522,773, Sept. 19.
Apparatus for preparing mercury dosing ampules. F. G. Lopez. 2,501,397, Mar. 21.
Apparatus for preparing seed beds and seeding same. W. T. Andrus. 2,524,871, Oct. 10.
Apparatus for pressing records. T. F. Stacy. 2,508,301, May 16.
Apparatus for pressing soles on shoe bottoms. C. K. Woodman and N. S. Ferland. 2,497,195, Feb. 14.
Apparatus for pressuring air counterbalance cylinders. W. G. Corey. 2,493,341, Jan. 3.
Apparatus for preventing fly from depositing on the drive members of textile machines. H. Hess. 2,518,780, Aug. 15.
Apparatus for preventing theft and unauthorized use of automobiles. B. Kappel. 2,515,044, July 11.
Apparatus for process control. M. L. Arnold. 2,508,881, May 23.
Apparatus for processing kernels of popcorn. J. J. Kooman. 2,527,826, Oct. 31.
Apparatus for processing plastic material. H. Harris and L. M. Ware. 2,533,796, Dec. 12.
Apparatus for processing substances containing crystallizable material. P. F. Sharp. 2,495,024, Jan. 17.
Apparatus for processing thread in the form of a package. L. S. Fryer, P. J. E. Andersson, and W. J. Jokilehto. 2,498,540, Feb. 21.
Apparatus for processing workpieces in solution tanks. A. Hannon. 2,512,643, June 27.
Apparatus for producing acetylene. O. Spring. 2,495,665, Jan. 24.
Apparatus for producing alloy ingots. R. K. Hopkins. 2,532,914, Dec. 5.
Apparatus for producing artificial radio direction signals. G. B. Linderman, III. 2,494,566, Jan. 17.
Apparatus for producing bellows folds in tubing. J. E. Woods. 2,522,915, Sept. 19.
Apparatus for producing carbon black. R. B. Takewell. 2,518,094, Aug. 8.
Apparatus for producing combustible gas. D. W. Frazey. 2,525,597, Oct. 10.
Apparatus for producing composite sheet material. L. S. Meyer. 2,518,164, Aug. 8.
Apparatus for producing fiber staples. A. J. P. Care. 2,532,660, Dec. 5.
Apparatus for producing glass fibers. E. J. Cook. 2,514,627, July 11.
Apparatus for producing glass fibers. G. Slayter and E. Fletcher. 2,515,738, July 18.
Apparatus for producing granulated slag. J. A. Halkins. 2,494,999, Jan. 17.
Apparatus for producing indicia markings on work surfaces. T. Miller. 2,517,502, Aug. 1.
Apparatus for producing investment molds. C. P. Mann. 2,518,040, Aug. 8.
Apparatus for producing pipes. J. Ferla. 2,528,353, Oct. 31.
Apparatus for producing spatter finish coatings. H. B. Einbecker. 2,511,626, June 13.
Apparatus for producing sulfuric acid. L. A. Myers. 2,506,647, May 9.
Apparatus for producing tubular fabrics. S. P. Parker. 2,517,021, Aug. 1.
Apparatus for producing vaporous ozonides. L. S. Chadwick. 2,529,137, Nov. 7.
Apparatus for producing wrinkle texture on nonwrinkling films. W. F. Flanagan. 2,510,967, June 13.
Apparatus for profiling operations. T. A. Kestell. 2,529,026, Nov. 7.
Apparatus for projecting circular markings upon nonplanar surfaces. J. G. Arnold and W. C. Piggott. 2,497,853, Feb. 21.
Apparatus for projecting sunlight onto public exhibits and advertising subjects. J. Journel. 2,494,879, Jan. 17.
Apparatus for proportioning a measured amount of sirup and carbonated water for beverage dispensers. B. G. Copping. 2,526,331, Oct. 17.
Apparatus for proportioning and mixing materials. A. C Avril. 2,530,501, Nov. 21.
Apparatus for proportioning metaphosphate to a liquid. Å. H. Wallentin, H. O. Carlson, and J. H. Vesterlund. 2,532,973, Dec. 5.
Apparatus for protecting operating parts of vises from chips or other refuse incidental to machine work. D. C. Zipp and H. E. Pray. 2,499,124, Feb. 28.
Apparatus for protecting the bearings of an engine against lubricating failures. C. P. Fischer. 2,502,318, Mar. 28.
Apparatus for pulse phase modulation. H. J. von Baeyer. 2,514,148, July 4.
Apparatus for purifying fibrous suspensions. F. Blikstad and E. Pedersen. 2,517,832, Aug. 8.
Apparatus for purifying gases. M. M. Brandegee. 2,508,989, May 23.
Apparatus for purifying raw cotton linters. J. D. Atkinson, Jr. 2,504,944, Apr. 18.
Apparatus for purifying solutions. J. Zender. 2,502,614, Apr. 4.
Apparatus for pyrolytic conversion of hydrocarbons. K. M. Watson. 2,497,106, Feb. 14.

Apparatus for pyrolytic conversion of hydrocarbons. K. M. Watson. 2,503,013, Apr. 4.
Apparatus for pyrolytic conversion of hydrocarbons. K. M. Watson. 2,506,123, May 2.
Apparatus for pyrolytic conversion of hydrocarbons. K. M. Watson. 2,510,444, June 6.
Apparatus for quantitative analysis of gases. S. Chase. 2,521,041, Sept. 5.
Apparatus for quenching the teeth of gears. H. E. Somes. 2,500,963, Mar. 21.
Apparatus for ramming flasks. M. G. Clay. 2,497,585, Feb. 14.
Apparatus for reaming wells. F. W. Harris. 2,499,916, Mar. 7.
Apparatus for recording and for indicating machine stoppage due to function failures. H. A. Doherty. 2,527,405, Oct. 24.
Apparatus for recording oscilloscopic signal traces. R. E. McCormick. 2,527,562, Oct. 31.
Apparatus for recording the operation of control levers of electrically driven vehicles. R. S. Clark. 2,530,508, Nov. 21.
Apparatus for recording the successive operations of a machine. W. Okuniew. 2,519,925, Aug. 22.
Apparatus for recording time intervals. A. F. Hasbrook. 2,496,392, Feb. 7.
Apparatus for recovery of crab meat. R. M. Johnson. 2,525,604, Oct. 10.
Apparatus for reducing destructive transients in electrostatic belt generators. J. G. Trump. 2,501,881, Mar. 28.
Apparatus for regenerating a water softener. J. Evans. 2,506,711, May 9.
Apparatus for regulating combustion in spreader stoker furnaces. E. C. Miller. 2,534,049, Dec. 12.
Apparatus for reject jigging. M. Lintz. 2,521,587, Sept. 5.
Apparatus for rejecting improperly filled soap containers. H. R. Hughes and C. D. Rice. 2,529,081, Nov. 7.
Apparatus for releasing locking mechanism of vault doors. H. L. Henkel. 2,531,848, Nov. 28.
Apparatus for releasing oil from and for removing the surfaces from citrus fruits and the like. C. E. Fraser. 2,529,286, Nov. 7.
Apparatus for removing a protective sheet from a card aperture and for mounting a selected microfilm therein. N. H. Morrison. 2,493,159, Jan. 3.
Apparatus for removing air bags from retreaded tires. J. H. F. Kent. 2,508,675, May 23.
Apparatus for removing blocks from molding machines. G. H. Bugenhagen. 2,496,000, Jan. 31.
Apparatus for removing collapsible tubes from supporting spindles. F. Remington and R. A. Tartaglia. 2,526,900, Oct. 24.
Apparatus for removing dust from gases. E. Mercier and M. Ehlinger. 2,493,356, Jan. 3.
Apparatus for removing impurities from air. O. G. Culpepper. 2,516,680, July 25.
Apparatus for removing juice from fruit. F. W. Rahrer. 2,511,374, June 13.
Apparatus for removing power units from automotive vehicles. A. F. Bauer. 2,528,329, Oct. 31.
Apparatus for removing rubber and the like from bodies to which affixed. W. W. Ransom. 2,495,764, Jan. 31.
Apparatus for removing scale. H. W. Bouck. 2,535,890, Dec. 26.
Apparatus for removing water by capillary action from moist perishables. J. F. P. Newhall and W. A. Bridgeman. 2,534,205, Dec. 12.
Apparatus for repairing radiators. J. H. Jost. 2,530,333, Nov. 14.
Apparatus for reproducing radiolocation intelligence at a remote point. B. J. Edwards. 2,500,633, Mar. 14.
Apparatus for returning matrices to linotype machines. M. S. Maust. 2,533,488, Dec. 12.
Apparatus for rolling wedge sections. L. G. Glesmann. 2,526,475, Oct. 17.
Apparatus for rotatably supporting reels. E. D. Hanson. 2,524,106, Oct. 3.
Apparatus for sampling material, such as coal. W. H. Pletta and R. B. Freston. 2,495,944, Jan. 31.
Apparatus for sampling strip material. H. H. Talbot. 2,519,159, Aug. 15.
Apparatus for saturating edge portions of fiber boards. C. G. Muench. 2,530,026, Nov. 14.
Apparatus for scarfing billets and the like. R. J. Nicolaisen. 2,494,627, Jan. 17.
Apparatus for scarfing slabs of different widths. J. L. Anderson. 2,532,385, Dec. 5.
Apparatus for scraping animal intestines. R. Arlow and A. Young. 2,526,449, Oct. 17.
Apparatus for screening fibrous suspensions. N. W. Jönsson. 2,514,159, July 4.
Apparatus for scrubbing bunks and the like. J. A. and N. N. Spanier. 2,497,423, Feb. 14.
Apparatus for sealing containers. W. D. Bell. 2,518,857, Aug. 15.
Apparatus for sealing containers with adhesive tape. H. J E. Weber. 2,504,059, Apr. 11.
Apparatus for sealing containers with adhesive tape. H. J. E. Weber. 2,504,060, Apr. 11.
Apparatus for sealing glass and metal members. A. Greiner. 2,494,870, Jan. 17.
Apparatus for sealing-off electric discharge tubes. W. A. Roovers, C. F. Veenemans, and O. L. van Steenis. 2,532,860, Dec. 5.
Apparatus for sealing oil wells. T. Sprague and R. Higgins. 2,504,462, Apr. 18.
Apparatus for sealing tubular glass articles. W. A. Shields. 2,529,109, Nov. 7.
Apparatus for seam welding of tubing. D. H. Wiese. 2,496,188, Jan. 31.
Apparatus for securing lining material to brake shoes. H. B. Barrett. 2,498,937, Feb. 28.
Apparatus for securing together overlapping plies of material. G. C. Richards. 2,511,944, June 20.
Apparatus for securing workpieces together. H. G. Kellogg. 2,494,096, Jan. 10.
Apparatus for selectively positioning a load. M. N. Yardeny. 2,494,922, Jan. 17.
Apparatus for selectively wipe forming and stretch forming metal stock. C. J. Bath. 2,514,831, July 11.
Apparatus for separating continuously liquid such as water and solid matter such as sand. C. Verdoorn and W. M. C. Visser. 2,501,924, Mar. 28.
Apparatus for separating materials of different specific gravities. G. L. Wilmot. 2,533,655, Dec. 12.
Apparatus for separating relatively heavy particles from liquid. C. W. Smith. 2,518,084, Aug. 8.
Apparatus for separating solids from gases. J. C. Munday. 2,515,155, July 11.
Apparatus for separating the constituents of atmosphere. A. J. and I. F. Fausek. 2,501,999, Mar. 28.
Apparatus for separating the constituents of atmosphere. A. J. and I. F. Fausek. 2,525,660, Oct. 10.
Apparatus for separating wheat starch and gluten. J. F. Walsh, D. M. Levitt and A. H. Goodman. 2,517,149, Aug. 1.
Apparatus for separation of blasting circuit leads. J. O. Parr, Jr. 2,527,148, Oct. 24.
Apparatus for serving ice cream. H. W. Protzeller. 2,495,077, Jan. 17.
Apparatus for shaping and vulcanizing pneumatic tires. L. E. Soderquist. 2,495,663, Jan. 24.
Apparatus for shaping fan blades. W. N. Lurcott. 2,522,683, Sept. 19.
Apparatus for shaping structural glass. J. M. McCormick. 2,534,523, Dec. 19.
Apparatus for shipping perishable articles. W. L. Morrison. 2,521,080, Sept. 5.
Apparatus for shirring sausage casings. E. Flomen. 2,498,948, Feb. 28.
Apparatus for shock therapy. A. MacPhail. 2,534,043, Dec. 12.
Apparatus for showing table accommodations in restaurants. T. J. Kearney. 2,521,225, Sept. 5.
Apparatus for shrinking and pressing collars. A. Moses. 2,519,975, Aug. 22.
Apparatus for simultaneously advancing and working plastic material. G. E. Gliss. 2,511,203, June 13.
Apparatus for simultaneously producing multiple recesses in plastic sheet material. C. Nicolle. 2,518,565, Aug. 15.
Apparatus for sintering ores. N. A. Sainderichin. 2,506,618, May 9.
Apparatus for sinuous contoured material. P. C. André. 2,513,777, July 4.
Apparatus for smelting low-grade ores. H. G. Lykken. 2,500,553, Mar. 14.
Apparatus for smelting metals. W. Bonsack and W. M. Weil. 2,528,209, Oct. 31.
Apparatus for smelting of metals. H. S. Graham. 2,517,557, Aug. 8.
Apparatus for soldering lead wires to electrical units. A. Fermanian, G. W. Soderman, and W. J. Workman. 2,494,474, Jan. 10.
Apparatus for solvent extraction of oil from oil-bearing seeds. H. R. Straight. 2,517,143, Aug. 1.
Apparatus for solving seismic problems for location and dip of reflecting beds. G. M. McGuckin. 2,535,220, Dec. 26.
Apparatus for sorting and/or selecting record cards. J. M. Boyle and J. W. Thompson. 2,496,435, Feb. 7.
Apparatus for sorting and testing sticks. H. L. Barber and G. L. Sellars. 2,515,392, July 18.
Apparatus for spinning artificial filaments. R. W. Stanley. 2,516,157, July 25.
Apparatus for spinning pipe. A. L. Stone. 2,518,398, Aug. 8.
Apparatus for splicing inner tubes of tires. C. S. McChesney. 2,497,461, Feb. 14.
Apparatus for splicing motion-picture film. A. C. Selmin. 2,499,686, Mar. 7.
Apparatus for splicing tubes. C. E. Snyder. 2,516,602, July 25.
Apparatus for splitting wood blocks. G. von der Werth. 2,514,915, July 11.
Apparatus for spot coating crystal blanks. J. F. Barry, and D. M. Ruggles. 2,510,274, June 6.
Apparatus for spray coating. A. Schoepe. 2,528,087, Oct. 31.
Apparatus for spraying cementitious compositions. S. Fjeldstad. 2,534,116, Dec. 12.
Apparatus for spraying plastic material. W. F. Mitchell. 2,521,179, Sept. 5.

Apparatus for spraying the interior of cylindrical articles. D. R. Goetchius. 2,508,709, May 23.
Apparatus for spraying traveling materials. W. R. Gaythwaite. 2,505,179, Apr. 25.
Apparatus for stacking articles. W. E. Keller. 2,517,675, Aug. 8.
Apparatus for starting charged particle accelerators. A. M. Gurewitsch. 2,500,749, Mar. 14.
Apparatus for starting single-phase capacitor type motors. P. T. Galt, Jr. 2,509,590, May 30.
Apparatus for steaming textiles. G. P. Vincent and A. L. Dubeau. 2,494,731, Jan. 17.
Apparatus for stemming fruits and berries. J. D. Gaddie, 2,527,303, Oct. 24.
Apparatus for sterilizing. H. L. Smith, Jr. 2,531,478, Nov. 28.
Apparatus for storing and dispensing liquefied gases. O. A. Hansen. 2,500,249, Mar. 14.
Apparatus for storing and dispensing liquefied gases. P. Peff. 2,500,320, Mar. 14.
Apparatus for stretching sheet material. J. Mahler. 2,515,830, July 18.
Apparatus for strickling molds. A. A. Tunley. 2,509,322, May 30.
Apparatus for striping fabrics. L. N. Dexter. 2,494,378, Jan. 10.
Apparatus for stripping articles from forms. J. A. Weber and E. A. Teck. 2,508,204, May 16.
Apparatus for stripping insulation. G. F. Branson. 2,506,060, May 2.
Apparatus for stroboscopically indicating the flow of fluids. B. A. Knauth. 2,525,914, Oct. 17.
Apparatus for submarine drilling. H. W. Scott. 2,525,955, Oct. 17.
Apparatus for successively displaying cards or the like. R. W. Hood. 2,522,226, Sept. 12.
Apparatus for successively making approximate and final adjustments. P. W. Wyckoff. 2,521,557, Sept. 5.
Apparatus for supplying heated air to blast furnaces and the like. J. F. Mowat. 2,514,084, July 4.
Apparatus for supporting and manipulating workpieces. B. Ronay. 2,500,204, Mar. 14.
Apparatus for supporting combustion in fast-moving air streams. A. G. Earl. 2,520,388, Aug. 29.
Apparatus for supporting tubing during well completion. E. E. Davidson and J. R. Doggett. 2,507,246, May 9.
Apparatus for synchronized projection of pictures and music on film. J. S. Wendover and C. F. Webber. 2,511,312, June 13.
Apparatus for system of visual signal communication. M. Allen. 2,519,993, Aug. 22.
Apparatus for tamping in sheet material for roofs and the like. M. L. Moyer. 2,502,560, Apr. 11.
Apparatus for teaching acrobatics. C. P. Pond. 2,496,748, Feb. 7.
Apparatus for teaching of typewriting. T. C. and M. G. Avery. 2,500,507, Mar. 14.
Apparatus for televising data on a plan position indicator tube. H. O. Marcy, 3rd. 2,534,610, Dec. 19.
Apparatus for tensioning an arm: R. C. Chaffin. 2,515,590, July 18.
Apparatus for tensioning strands. F. Taylor. 2,499,888, Mar. 7.
Apparatus for testing and calibrating watt-hour meters. R. T. Fenn. 2,508,505, May 23.
Apparatus for testing armatures. C. Cross. 2,504,395, Apr. 18.
Apparatus for testing balls. W. W. Cushman and S. Koren. 2,517,545, Aug. 8.
Apparatus for testing cable elements. D. M. Taggart. 2,501,481, Mar. 21.
Apparatus for testing centrifugally actuated elements. L. T. Meister. 2,528,534, Nov. 7.
Apparatus for testing coatings. J. R. Marcus. 2,530,257, Nov. 14.
Apparatus for testing electrical windings in an insulating liquid. F. Beldi. 2,518,518, Aug. 15.
Apparatus for testing engines. E. Manning. 2,498,995, Feb. 28.
Apparatus for testing gears. K. Müller. 2,514,716, July 11.
Apparatus for testing refrigeration controls. C. L. Underwood. 2,526,713, Oct. 24.
Apparatus for testing specimens of molding material. H. W. Dietert and R. L. Doelman. 2,521,206, Sept. 5.
Apparatus for testing tensile characteristics of a material. C. F. Beck and D. Kirkpatrick. 2,518,217, Aug. 8.
Apparatus for testing the adhesion of films of coating material. D. M. Williams. 2,533,076, Dec. 5.
Apparatus for testing the balance of rotating bodies. L. G. H. Cantle. 2,524,650, Oct. 3.
Apparatus for testing the crush strength of paper. M. H. Tinker. 2,518,959, Aug. 15.
Apparatus for testing transformer turn ratios. R. L. Murray. 2,527,568, Oct. 31.
Apparatus for texturing asbestos-cement sheets. W. L. Nelson. 2,529,175, Nov. 7.
Apparatus for thawing materials. J. W. Forsythe. 2,507,775, May 16.
Apparatus for the catalytic conversion of hydrocarbons. E. W. Shand. 2,511,652, June 13.

Apparatus for the coating of wire. H. R. Lorch, D. C. Hancock, and A. B. F. G. Richardson. 2,528,009, Oct. 31.
Apparatus for the combustion of fuel. C. A. Bonvillian, R. C. Brierly, and S. Letvin. 2,500,925, Mar. 21.
Apparatus for the continuous casting of metal. I. Rossi. 2,517,931, Aug. 8.
Apparatus for the continuous liquid treatment of flexible materials in strip-like form having means for conserving liquid. J. H. Coote and A. P. Jenkins. 2,517,632, Aug. 8.
Apparatus for the controlled germination of grain during malting. F. C. Stewart. 2,500,775, Mar. 14.
Apparatus for the conversion of energy in a flowing stream of fluids. W. Squires, Jr. 2,529,317, Nov. 7.
Apparatus for the detection of displacements. W. C. Hall. 2,506,589, May 9.
Apparatus for the determination of viscosity of liquids. W. P. Mason. 2,518,348, Aug. 8.
Apparatus for the duplicating of index cards and the like for cross filing purposes. I. B. Current. 2,496,272, Feb. 7.
Apparatus for the electronic heating of molding material. G. B. Sayre. 2,506,814, May 9.
Apparatus for the heat-treatment of chain links or other metal elements. H. J. Beard. 2,519,538, Aug. 22.
Apparatus for the heat-treatment of solid materials. M. Lintz. 2,521,588, Sept. 5.
Apparatus for the ignition of explosive material in a liquid. W. B. Smits. 2,507,277, May 9.
Apparatus for the instantaneous vaporization of water by means of a solid combustible. R. Esnault-Pelterie. 2,526,339, Oct. 17.
Apparatus for the liquid treatment of thread. J. L. Costa. 2,520,594, Aug. 29.
Apparatus for the liquid treatment of threads. J. H. Givens, J. Wale, and L. Rose. 2,533,103, Dec. 5.
Apparatus for the manufacture of paper. J. Temperley. 2,528,189, Oct. 31.
Apparatus for the manufacture of sulfuric acid. W. S. Allen. 2,515,435, July 18.
Apparatus for the manufacture of twist drills. H. W. Delaney. 2,533,227, Dec. 12.
Apparatus for the measurement of the index number of telegraph signals. J. Pernic and R. Leroy. 2,530,839, Nov. 21.
Apparatus for the preparation of casting molds. L. Saives. 2,513,212, June 27.
Apparatus for the preparation of printing blocks. M. T. Bonds, T. A. Moore, and E. D. Miller. 2,508,216, May 16.
Apparatus for the preparation of thermoplastic materials. J. S. Tinsley. 2,513,434, July 4.
Apparatus for the production of dot-composed negatives. L. M. van der Rohe and W. Peterhans. 2,532,585, Dec. 5.
Apparatus for the production of ice cream. D. Westmoreland. 2,524,616, Oct. 3.
Apparatus for the production of steel. H. H. Chiswik. 2,515,631, July 18.
Apparatus for the proportioning and control of fluid flow. J. de Koning. 2,505,756, May 2.
Apparatus for the protection of high-voltage electric installations against high-frequency atmospheric discharges. J. Cougnard. 2,517,087, Aug. 1.
Apparatus for the reading of facsimile and printed matter by the blind. E. L. Davis and O. T. Hinton, Jr. 2,500,630, Mar. 14.
Apparatus for the recovery of gases. G. A. M. Heim. 2,511,633, June 13.
Apparatus for the regeneration of catalyst for use in the conversion of hydrocarbons. G. F. Kuhn. 2,534,778, Dec. 19.
Apparatus for the separation of acid and metal. R. L. Lunt. 2,509,689, May 30.
Apparatus for the separation of gaseous mixtures. J. R. Bowman. 2,500,240, Mar. 14.
Apparatus for the separation of gaseous mixtures. W. Dennis. 2,502,251, Mar. 28.
Apparatus for the stripping of volatiles from fluids. D. K. Dean. 2,500,934, Mar. 21.
Apparatus for the treatment of filaments in continuous bundles with liquid. J. E. Spalding and L. K. Spangler. 2,516,268, July 25.
Apparatus for the treatment of intermittent claudication. H. I. Poor. 2,528,843, Nov. 7.
Apparatus for the vulcanization of rubber articles in transitu. J. D. Crabbe and S. E. Harper. 2,518,125, Aug. 8
Apparatus for thermal cracking of hydrocarbons. E. V. Bergstrom. 2,503,118, Apr. 4.
Apparatus for thermochemically cutting metal. G. M. Deming. 2,525,875, Oct. 17.
Apparatus for thermochemically cutting metal. H. G. Hughey. 2,501,724, Mar. 28.
Apparatus for training aircraft pilots. W. F. Rust. 2,526,693, Oct. 24.
Apparatus for transferring fluids. J. B. Hunter, R. C. Taylor, and W. S. Young. 2,531,436, Nov. 28.
Apparatus for transferring markings. J. R. Boyle. 2,516,044, July 18.
Apparatus for transforming halftone documents into a printing weft. M. Lange. 2,524,531, Oct. 3.

Apparatus for translating actuating, and restraining forces to vehicle wheels. A. E. J. Bishop. 2,508,057, May 16.
Apparatus for transmitting the angular movement of a periscope to an indicating station. H. Phillips. 2,524,927, Oct. 10.
Apparatus for transporting cylindrical containers and the like. H. A. Reinhart and A. M. Selvey. 2,528,783, Nov. 7.
Apparatus for transporting heavy objects. W. D. Campbell. 2,508,661, May 23.
Apparatus for transporting loads. H. Liddle. 2,509,646, May 30.
Apparatus for transporting materials. M. F. Kemper. 2,534,270, Dec. 19.
Apparatus for treating aqueous solutions of electrolytes. E. Pick. 2,524,635, Oct. 3.
Apparatus for treating film or the like. W. R. Harlow. 2,529,495, Nov. 14.
Apparatus for treating fish and meat. V. M. David. 2,507,891, May 16.
Apparatus for treating food material. H. J. Bierman. 2,525,581, Oct. 10.
Apparatus for treating liquids. C. S. Salvesen. 2,505,916, May 2.
Apparatus for treating liquids with light rays. E. Nicholason. 2,499,153, Feb. 28.
Apparatus for treating meteorism or tympanites in animals. E. S. Pequeño. 2,516,413, July 25.
Apparatus for treating packaged filamentary material with liquid. J. A. Woodruff. 2,509,282, May 30.
Apparatus for treating peat. W. C. Aslesen. 2,507,492, May 16.
Apparatus for treating polluted liquids. W. A. Gehle. 2,502,142, Mar. 28.
Apparatus for treating skin diseases. W. R. McMillan. 2,493,155, Jan. 3.
Apparatus for treating soap. R. G. Whitman. 2,501,487, Mar. 21.
Apparatus for treating solid particles in a conditioning fluid. P. J. Bar. 2,502,916, Apr. 4.
Apparatus for treating textiles. A. C. Smith. 2,516,349, July 25.
Apparatus for treating traveling filamentary material with fluid media. J. B. Blake. 2,516,177, July 25.
Apparatus for treating twisted filamentary materials. A. H. Burkholder. 2,530,680, Nov. 21.
Apparatus for treating with liquid running yarns and threads. F. F. Sutherland and D. K. Wilson. 2,521,807, Sept. 12.
Apparatus for treating wood veneer by forming spaced incompiete slits therein. J. Colucci, Jr., and R. G. Redmayne. 2,535,195, Dec. 26.
Apparatus for treating yarn. H. O. Naumann. 2,532,325, Dec. 5.
Applicator for treatment of diseases of the udder. H. S. Darlington. 2,529,836, Nov. 14.
Apparatus for treatment of nasal and respiratory cavities. J. de la Sierra, Jr. 2,511,973, June 20.
Apparatus for treatment of stiff joints. H. G. White. 2,520,590, Aug. 29.
Apparatus for treatment of turbid liquids. R. R. Kennedy. 2,517,883, Aug. 8.
Apparatus for trimming protuberances from tires. W. J. Strong. 2,524,489, Oct. 3.
Apparatus for tuning stringed musical instruments. D. J. Dickerson. 2,514,315, July 4.
Apparatus for turning containers. C. E. Stafford. 2,514,680, July 11 .
Apparatus for turning glass sheets. E. C. Oberstar. 2,531,640, Nov. 28.
Apparatus for turning milk. M. E. Lawrence. 2,511,643, June 13.
Apparatus for turning over leaves, in particular sheets of music, comprising a turnover lever provided with a suction cup. H. Kooring. 2,519,581, Aug. 22.
Apparatus for ultra short wave therapy. E. E. Chappell. 2,526,064, Oct. 17.
Apparatus for unwinding rayon cakes. R. Dewas. 2,523,502, Sept. 26.
Apparatus for use in applying pressure to shoe bottoms. F. V. Hart. 2,509,392, May 30.
Apparatus for use in association with two picture projector machines. C. J. Cadwell and F. M. Adamson. 2,528,855, Nov. 7.
Apparatus for use in installing soil pipe in concrete floors. E. J. Bradley. 2,527,874, Oct. 31.
Apparatus for use in making paper. H. W. Osgood, Jr. 2,506,678, May 9.
Apparatus for use in the manufacture of multiply glass sheet glazing units. P. E. Spahn. 2,508,079, May 16.
Apparatus for use in the visual inspection of sheet metal. E. D. Martin. 2,502,469, Apr. 4.
Apparatus for use in the visual inspection of tin plates and the like. H. W. Bradley. 2,502,414, Apr. 4.
Apparatus for vaporizing liquefied gas. E. W. Evans. 2,522,026, Sept. 12.
Apparatus for vaporizing liquid. B. H. Jennings, E. Bigg, and F. C. W. Olson. 2,523,372, Sept. 26.
Apparatus for verifying perforated record cards. H. H. Keen. 2,528,438, Oct. 31.
Apparatus for vulcanizing endless articles. U. C. Haren. 2,522,359, Sept. 12.
Apparatus for vulcanizing rubber or the like. T. J. R. Dibdin. 2,505,826, May 2.
Apparatus for washing clothes. J. B. Kirby. 2,520,366, Aug. 29.
Apparatus for washing oils with an immiscible wash liquid. C. E. Ayres. 2,531,547, Nov. 28.
Apparatus for water-cooling brake rims. F. J. Young. 2,526,525, Oct. 17.
Apparatus for water purification. M. P. Robinson and J. F. Sebald. 2,523,523, Sept. 26.
Apparatus for waving hair. B. F. Davis. 2,503,937, Apr. 11.
Apparatus for waving hair. F. Witschi. 2,534,649, Dec. 19.
Apparatus for weakening the field in traction motors for vehicles. O. Schlapfer. 2,513,588, July 4.
Apparatus for weighing and establishing volume of loose material. W. Théonville. 2,526,298, Oct. 17.
Apparatus for welding slabs. P. M. Mueller. 2,533,605, Dec. 12.
Apparatus for welding tanks. E. E. Eickmeyer and S. O. Mains. 2,517,853, Aug. 8.
Apparatus for whirling and etching photoengraving plates. F. M. Ulasich. 2,509,848, May 30.
Apparatus for winding heat exchangers. S. C. Collins. 2,494,286, Jan. 10.
Apparatus for winding tubes. W. R. Scherer. 2,518.075, Aug. 8.
Apparatus for winding wire on an annular body. H. J. van den Berge and C. G. Schrameyer. 2,516,734, July 25.
Apparatus for winding yarns on cards. M. Nava. 2,533.037, Dec. 5.
Apparatus for wire coding. G. M. Rosenblum. 2,524,141, Oct. 3.
Apparatus for wire coding. G. M. Rosenblum. 2,529,227, Nov. 7.
Apparatus for wood treatment. R. G. Ramsey and O. L. Bailey. 2,505,302, Apr. 25.
Apparatus for working and advancing plastic material. G. E. Henning. 2,535,286, Dec. 26.
Apparatus having conical reflector for projecting magnified images. R. E. Ward, Jr. 2,493,430, Jan. 3.
Apparatus having separatable and assemblable portions and control means therefor. S. A. Huffman. 2,510,890, June 6.
Apparatus, including a manually positioned upper die for shaping armature coils. B. W. Markey. 2,493,679, Jan. 3.
Apparatus including an air trap for unloading liquid from tank cars. A. L. Hickerson. 2,507,595, May 16.
Apparatus, including rolls with mandrel gripping and work contacting portions for making curved profiles. C. A. Gerts and W. H. Clay. 2,497,043, Feb. 7.
Apparatus of the reciprocating piston type for delivering fluids. G. F. Austin and D. G. Wood. 2,504,945. Apr. 18.
Apparatus providing magnetic fields for electron discharge tubes. D. V. Edwards. 2,523,423, Sept. 26.
Apparatus responsive to overspeed and acceleration conditions. H. T. Sparrow. 2,505,220, Apr. 25.
Apparatus to coil springs from a strand of wire. H. C. R. Carlson. 2,513,916, July 4.
Apparatus to indicate progressive exercise of injured sphincter muscles. A. H. Kegel. 2,507,858, May 16.
Apparatus used in the processing of fruit and vegetable juices and the like. J. A. Cross. 2,498,836, Feb. 28.
Apparel. G. Kuhn. 2,511,641, June 13.
Apparel carrier. B. P. Bohn. 2,502,033, Mar. 28.
Apparel, Man's wearing. H. A. Goldstein. 2,505,356, Apr. 25.
Apparel, Wearing. M. H. Wittenberg. 2,493,179, Jan. 3.
Appliance, Convertible electric. E. C. Landon. 2,501,683, Mar. 28.
Appliance, Domestic. F. H. McCormick. 2,507,920, May 16.
Appliance, Electromagnetic. P. Febr. 2,528,744, Nov. 7.
Appliance for correcting examination papers. A. L. Henry. 2,528,828, Nov. 7.
Appliance for darning and repairing fabrics by hand. E. and A. Chesstok. 2,504,302, Apr. 18.
Appliance for dual heading of hollow rivets. R. E. Froggatt. 2,535,403, Dec. 26.
Appliance for grinding the contact points of contact breakers. P. S. Paget. 2,532,512, Dec. 5.
Appliance for mending ladders. O. Joho. 2,532,409, Dec. 5.
Appliance for peeling fruit, such as oranges, lemons, and grapefruit. V. Novák. 2,522,054, Sept. 12.
Appliance for railway cars, Draft. S. Simonson. 2,497,048, Feb. 7.
Appliance for the production and administration of gas vapor mixtures. W. Edmondson and W. Jones. 2,499,734, Mar. 7.
Appliance for use as an artificial dam in cases of rectal incontinence, Removable. O. F. Lamson. 2,494,393, Jan. 24.
Appliance for use in cutting and polishing diamonds and other substances. T. P. N. Burness and A. Johnson. 2,530,421, Nov. 21.
Appliance on motor vehicles for operating hydraulic vehicle brakes and for regulating the fuel feed to the engine by means of one single pedal. J. Gossweiler. 2,516,824, July 25.

Appliance, Radiant panel heating. F. T. Grothouse. 2,502,148, Mar. 28.
Application of drilling fluids. E. A. Hauser. 2,531,812, Nov. 28.
Application of high loss dielectrics to wave guide transmission systems. G. L. Fernsler. 2,510,016, May 30.
Application of radiography to infrared phosphors. H. F. Kaiser and O. E. Berg. 2,523,306, Sept. 26.
Applicator. C. Betz. 2,516,846, Aug. 1.
Applicator. A. R. Ebberts. 2,522,216, Sept. 12.
Applicator. S. V. Lambourne. 2,521,122, Sept. 5.
Applicator. H. B. Lermer. 2,503,445, Apr. 11.
Applicator. W. C. Mende. 2,509,241, May 30.
Applicator, Adhesive. J. K. M. Harrison. 2,495,328, Jan. 10.
Applicator and polisher, Self-feeding floor wax. A. G. Meyers. 2,505,295, Apr. 25.
Applicator, Cervical-uterine. B. F. Schutt. 2,516,261, July 25.
Applicator, Cosmetic. A. R. Ruthsatz. 2,518,382, Aug. 8.
Applicator, Electric power. R. MacLatchie, Jr. 2,504,338, Apr. 18.
Applicator, Eye. J. R. Hissong. 2,517,568, Aug. 18.
Applicator, Eyelash. L. Lenz. 2,532,110, Nov. 28.
Applicator, Fluid. J. W. Turley. 2,534,082, Dec. 12.
Applicator for applying coating material to roofs and similar surfaces. R. W. Turner. 2,517,057, Aug. 1.
Applicator for duplicating machines, Liquid. H. A. Genz. 2,534,765, Dec. 19.
Applicator for gluing machines, Liquid. A. D. Zanetti. 2,533,704, Dec. 12.
Applicator for labeling machines, Glue. H. E. Burg. 2,506,061, May 2.
Applicator for labeling machines, Glue. D. B. Lewis. 2,517,395, Aug. 1.
Applicator for rouge and the like. R. E. Kruck. 2,529,399, Nov. 7.
Applicator having a powder-receiving spout and a recessed outlet accommodating a toothbrush, Powder. V. D. Eley. 2,529,004, Nov. 7.
Applicator, High-Frequency diathermy. O. R. Bowers. 2,509,417, May 30.
Applicator, Lipstick. J. J. Arnold. 2,511,557, June 13.
Applicator, Liquid. F. W. Bryant. 2,517,283, Aug. 1.
Applicator, Liquid wax. A. F. Steiert. 2,502,900, Apr. 4.
Applicator, Medicinal. M. E. West. 2,516,818, July 25.
Applicator, Nasal. B. L. Griesman. 2,496,125, Jan. 31.
Applicator, Paint. E. T. Hobe, Sr. 2,528,657, Nov. 7.
Applicator, Roller type liquid coating. E. E. Long. 2,525,418, Oct. 10.
Applicator, Self-feeding. R. B. Bowling and L. R. Bennett. 2,498,980, Feb. 28.
Applicator, Shielded. L. B. Grandjean. 2,534,439, Dec. 19.
Applicator, Single-row fertilizer. W. J. Schroeder. 2,493,599, Jan. 3.
Applicator stick. S. Ager. 2,510,490. June 6.
Applicator, Tape. W. P. Zabel, Jr. 2,534,691, Dec. 19.
Applicator, Vibrating. D. G. Loosen. 2,512,499, June 20.
Applicator with controlled feed, Portable fluid. J. J. Duncan. 2,530,234, Nov. 14.
Applicator with hand controlled feed valve, Reservoir handle. E. L. Woods. 2,509,550, May 30.
Applicator with removable electrode, Heat sealing. W. D. Wenger. 2,529,717, Nov. 14.
Applicator with shrinkproof fit, Cosmetic. J. W. Anderson. 2,506,984, May 9.
Applier, Adhesive tape. L. H. Morin. 2,510,131, June 6.
Applier for applying a length of an adhesive tape to a surface. F. A. Deutsch. 2,500,157, Mar. 14.
Applier, Gum tape. W. C. Renne, Jr. 2,493,502, Jan. 3.
Applying a form member to a beam or the like. F. Bittner. 2,535,346, Dec. 26.
Applying a molten zinc coating to a ferrous article. R. L. Carhart and C. A. Schacha. 2,501,262. Mar. 21.
Applying adhesive to fibrous webs, Method and apparatus for. P. Kilham. 2,533,167, Dec. 5.
Applying and anchoring a concrete sheathing to a rammed earthwall. J. R. Barton. 2,496,616. Feb. 7.
Applying apparatus, Tape. G. L. Hawkins and P. H. Thompson. 2,502,257, Mar. 28.
Applying binding elements to cords. F. W. Hennessey. 2,534,867, Dec. 19.
Applying casts. L. R. Young. 2,512,081, June 20.
Applying condenser tube packing, Method and apparatus for. S. Pennella. 2,521,186, Sept. 5.
Applying helical fins to tubes. E. Bruegger. 2,525,092, Oct. 10.
Applying legends to map detail sheets. R. Muldrow, III, and Z. J. Boothe. 2,503,126, Apr. 4.
Applying metallic coatings on nonmetallic materials. G. J. Kmeclk. 2,511,472, June 13.
Applying ornamental piping, Method of and apparatus for S. Alper. 2,504,614, Apr. 18.
Applying preformed bands to tire building drums, Method and apparatus for. R. I. Kuffler. 2,517,889, Aug. 8.
Applying promoters to catalyst particles. V. Voorhees. 2,500,331, Mar. 14.
Applying protector collars to drill pipes. L. W. Ballard. 2,497,921, Feb. 21.
Applying sheet linings to cylinders, Method and apparatus for. W. G. Martin. 2,493,153, Jan. 3.
Applying slurries to structural surfaces, Method of and apparatus for. S. Clipson. 2,504,805, Apr. 18.
Applying stamps, Method of and mechanism for. A. J. Matter. 2,516,783, July 25.
Applying tapes to cables, Method and apparatus for. A. L. Loucks. 2,494,050, Jan. 10.
Applying transfers, Method and apparatus for. K. H. Brownlee. 2,493,522, Jan. 3.
Applying wall finishes, Method and apparatus for. A. Iezzi. 2,513,648, July 4.
Applying wound covering to elastic thread. A. G. Seifried. 2,509,372, May 30.
Apron. F. Collins. 2,512,920, June 27.
Apron. M. D. Westcott, and F. D. Armentrout. 2,495,436, Jan. 24.
Apron for folding machines, Adjustable. C. S. Malott, Jr. 2,506,803, May 9.
Apron for planers and the like, Counterbalanced. J. M. Walter. 2,530,343, Nov. 14.
Apron mount and control for carry-type scrapers. D. E. Murray. 2,529,848, Nov. 14.
Apron, Safety. D. D. Williams. 2,498,471, Feb. 21.
Apron, Separable bathtub. H. M. Heckathorn. 2,528,432, Oct. 31.
Apron tie means assembly. H. W. Jackson and H. B. Goldsmith, Jr. 2,532,499, Dec. 5.
Apron, Wool card rub. H. M. Bacon. 2,520,192, Aug. 29.
Apron, X-ray protective. M. Lubow. 2,494,664, Jan. 17.
Aprons, Making. E. H. Fry. 2,503,107, Apr. 4.
Aquarium. A. E. Gandy. 2,494,937, Jan. 17.
Aquarium. E. A. Rice. 2,512,678, June 27.
Aquarium air pump. G. R. Soucie. 2,510,427, June 6.
Aquarium electrical heater. E. M. Cabrera. 2,511,902, June 20.
Aquatic device. F. A. Fish. 2,493,482, Jan. 3.
Aquatic device. J. G. Johnson. 2,509,001, May 23.
Aqueous amino acid solutions. S. Alpert and G. J. Martin. 2,531,097, Nov. 21.
Aqueous composition for treating iron and steel. D. W. Vance. 2,493,327, Jan. 3.
Aqueous dispersion of ethylene polymers containing a salt of a polymeric amic acid. M. E. Cupery. 2,496,989, Feb. 7.
Aqueous dispersion of glycol-phthalate-adipate. O. C. Bacon. 2,511,895, June 20.
Aqueous dispersions and preparing the same. M. R. Burnell and W. J. van Loo, Jr. 2,519,348, Aug. 22.
Aqueous dispersions by polymerization in the presence of ammonium alginate, Preparation of. W. C. Mast. 2,498,694, Feb. 28.
Aqueous emulsion polymerization of ethylenic unsaturates in the presence of diazo-thio-ethers. W. B. Reynolds and E. W. Cotten. 2,501,692, Mar. 28.
Aqueous solutions of lipoid-soluble vitamins. L. Freedman and E. Green. 2,518,230, Aug. 8.
Aqueous solutions of lipoid-soluble vitamins. M. R. Zentner and G. J. Haas. 2,524,247, Oct. 3.
Araliphatic azo catalysts for addition polymerization. J. A. Robertson. 2,520,339, Aug. 29.
Aralkoxyalkylimidazolines. C. Djerassi and C. R. Scholz. 2,516,108, July 25.
Arbor. J. Altmayer. 2,507,686, May 16.
Arbor. R. H. Holsing. 2,513,412, July 4.
Arbor. C. E. Overton. 2,532,934, Dec. 5.
Arbor, Adjustable. E. Van Bever. 2,518,508, Aug. 15.
Arbor, Expanding. M. A. Rothenberger. 2,499,781, Mar. 7.
Arbor, Grinding. R. W. Fiske. 2,501,669, Mar. 28.
Arc box holding spring. L. Pierce. 2,523,140. Sept. 19.
Arc electrode support. W. E. Moore. 2,494,775, Jan. 17.
Arc extinguishing material. R. H. Amundson and H. V. Dryer. 2,526,448, Oct. 17.
Arc extinguishing means for alternating current electric switches. H. E. Schleicher. 2,534,069, Dec. 12.
Arc lamp. E. Gretener. 2,510,102, June 6.
Arc lamp control. E. C. Richardson. 2,518,720, Aug. 15.
Arc-reducing roll-contact for general electrical contact use. C. W. Johnson. 2,521,521, Sept. 5.
Arc scriber. W. E. Thibodeau. 2,505,015, Apr. 25
Arc starting ionizer, Multiple gap. I. W. Cox. 2,533,095, Dec. 5.
Arc welder, Portable. K. Thorndyke. 2,530,487, Nov. 21.
Arc welding. A. Muller. 2,504,867, Apr. 18.
Arc welding. G. R. Rothschild. 2,497,631, Feb. 14.
Arc welding apparatus. W. E. Pakala. 2,516,016, July 18.
Arc welding apparatus. W. L. Roberts. 2,495,183, Jan. 17.
Arc welding apparatus. C. S. Williams. 2,516,037, July 18.
Arc welding apparatus, Automatic. W. E. Wilson. 2,531,181, Nov. 21.
Arc welding circuit. D. C. Girard. 2,502,646, Apr. 4.
Arc welding, Electric. I. M. Diller. 2,525,657, Oct. 10.
Arc welding, Electric. A. Muller, G. J. Gibson, and N. E. Anderson. 2,504,868, Apr. 18.
Arc welding, Electric. R. P. Palmer. 2,494,718, Jan. 17.
Arc welding, Electric. J. M. Tyrner. 2,533,069, Dec. 5.
Arc welding in inert atmospheres. J. F. Lancaster and W. K. B. Marshall. 2,515,559, July 18.
Arc welding method and apparatus. J. M. Tyrner and N. E. Anderson. 2,529,715, Nov. 14.
Arc welding, Method of and apparatus for. V. Peters. 2,529,812, Nov. 14.

Arc welding one metallic workpiece to another, Article for electric. P. C. van der Willigen and S. D. Boon. 2,509,999, May 30.
Arc welding one metallic workpiece to another, Method and article for electric. P. C. van der Willigen and S. D. Boon. 2,510,000, May 30.
Arc welding, Shielded. P. J. Rieppel. 2,497,629, Feb. 14.
Arc welding system. L. D. Drugmand. 2,494,747, Jan. 17.
Arc welding system, High-frequency stabilized. E. B. Ankenman. 2,495,155, Jan. 17.
Arcs of large radii, Describing. W. E. Thibodeau. 2,499,427, Mar. 7.
Arch binder. K. G. Sjoquist. 2,515,903, July 18.
Arch, Logging. G. S. Allin. 2,504,954. Apr. 25.
Arch support. B. M. Taylor. 2,530,637, Nov. 21.
Arch support for shoes, Spring. J. E. Ludlam. 2,512,350, June 20.
Arch support holder. C. T. Watkins and J. J. Naftel. 2,500,591, Mar. 14.
Arch supporting means. V. Masal. 2,496,802, Feb. 7.
Arch, Water-cooled. F. H. Barnes. 2,521,325, Sept. 5.
Archery arrow fletching. M. W. Alger and E. M. Taylor. 2,525,332, Oct. 10.
Archery arrow nock mounting. R. Wagg and C. H. Bayliss. 2,499,044, Feb. 28.
Archery bow, Thumb grip. W. D. Ringel. 2,507,271, May 9.
Arecoline, Production of. L. H. Knox. 2,506,458, May 2.
Arginine base, Manufacture of. D. J. Bernardi and F. A. Dostal. 2,533,215, Dec. 12.
Armchair, Folding. J. H. Denney. 2,525,876, Oct. 17.
Armchair, Folding and reclining. J. Lee. 2,507,023–4, May 9.
Armchair with table attachment. E. M. Runkles. 2,518,381, Aug. 8.
Armrest, Adjustable. J. A. Shaw. 2,517,037, Aug. 1.
Armrest between chairs, Adjustable. C. E. Long. 2,506,156, May 2.
Armrest cover. H. W. Underwood and W. Broker. 2,520,584, Aug. 29.
Armrest for automobiles. F. W. Hines. 2,524,909, Oct. 10.
Armrest for vehicle use. L. I. Faggen. 2,530,384, Nov. 21.
Armrest, Portable automobile seat. S. H. Gorman. 2,524,659, Oct. 3.
Arm support. D. F. Simmons. 2,496,605, Feb. 7.
Arm supported universal portable power tool. C. Rittenhouse. 2,504,880, Apr. 18.
Armature. W. F. Allenby. 2,505,026, Apr. 25.
Armature adjustment for electromagnetic operated switches. E. Zoerlein. 2,519,093, Aug. 15.
Armature and winding it, Lap wound. J. A. C. Malchus. 2,503,752, Apr. 11.
Armature winding and making the same. A. E. Nash. 2,502,631, Apr. 4.
Arming device. C. N. Hickman. 2,522,514, Sept. 19.
Armor, Body. A. P. Webster and E. L. Corey. 2,517,615, Aug. 8.
Armor for overhead cable mountings. J. B. Clapp. 2,494,285, Jan. 10.
Armor, Protective. B. Spooner. 2,526,291, Oct. 17.
Armor rod clamp. A. H. Tessmann. 2,521,192, Sept. 5.
Armored cable cutter. C. D. Belden. 2,493,941, Jan. 10.
Aromatic amines, Preparation of secondary and tertiary. H. Heinemann. 2,515,872, July 18.
Aromatic compounds, Halogenated. P. Robinson and C. C. Reid. 2,530,080, Nov. 14.
Aromatic compounds, Halogenated. S. D. Ross and M. Markarian. 2,517,930, Aug. 8.
Aromatic dicarboxylic acids, Preparing. E. W. Gluesenkamp. 2,508,022, May 16.
Aromatic esters of phosphoric acid, Preparing. D. C. Hull and J. R. Snodgrass. 2,518,692, Aug. 15.
Aromatic nitriles, Production of. W. I. Denton and R. B. Bishop. 2,496,660, Feb. 7.
Aromatic orthodinitriles, Preparation of. M. Scalera and R. E. Brouillard. 2,525,620–1, Oct. 10.
Aromatic-oxy-aliphatic carboxylates, Production of. L. F. Berhenke and L. E. Begin. 2,516,611, July 25.
Arrangement at centerless grinding machines. S. E. A. Thomte. 2,520,228, Aug. 29.
Arrangement comprising a cathode-ray tube having means for deflecting the cathode-ray beam. W. Six and J. L. H. Jonker. 2,532,738, Dec. 5.
Arrangement for absorption cooling systems. O. Doebeli. 2,521,781, Sept. 12.
Arrangement for call control in two-way systems with selector installation. O. Tschumi. 2,517,259, Aug. 1.
Arrangement for comparing electrical characteristics. C. B. Sheppard. 2,532,736, Dec. 5.
Arrangement for continuous diffusion. V. Frynta. 2,502,939, Apr. 4.
Arrangement for controlling the starting and stopping of machines. V. P. Harvey and G. F. W. Powell. 2,493,670, Jan. 3.
Arrangement for counting and measuring electric current impulses of short duration. P. Fehr. 2,493,448, Jan. 3.
Arrangement for coupling a parallel resonant line to a coaxial line load. O. I. Steigerwalt. 2,535,329, Dec. 26.
Arrangement for coupling to an electric antenna. E. O. Willoughby. 2,527,609, Oct. 31.
Arrangement for coupling wide frequency band antennae to transmission lines. E. O. Willoughby. 2,512,704, June 27.
Arrangement for drafting and twisting fibrous material in spinning frames. H. Fraser. 2,498,364, Feb. 21.
Arrangement for fluorescent lamps, Quick starting. M. Berland and M. Spiegler. 2,513,840, July 4.
Arrangement for heating trains driven by gas turbine locomotives. W. Giger, E. Schroeder, and H. Pfenninger. 2,502,941, Apr. 4.
Arrangement for improving the biological properties of air in rooms. L. F. Weber. 2,526,178, Oct. 17.
Arrangement for introducing electrical bias. W. J. Zenner. 2,501,118, Mar. 21.
Arrangement for measuring electric power. W. A. Montgomery. 2,495,752, Jan. 31.
Arrangement for modulating continuous waves. M. M. Levy and E. A. Rattue. 2,498,689, Feb. 28.
Arrangement for modulating grounded grid amplifiers. D. I. Lawson. 2,525,491, Oct. 10.
Arrangement for producing thin articles. J. C. L. Verhoeven. 2,504,283, Apr. 18.
Arrangement for radio-telephone traffic through exchange between mobile stations and between such stations and a telephone network. F. Lang. 2,508,613, May 23.
Arrangement for rapidly mounting driving or driven parts on their shafts. G. Isnard. 2,515,303, July 18.
Arrangement for secret radio telephony. R. Aubert. 2,509,716, May 30.
Arrangement for securing and controlling a movable flap at the trailing edges of an airplane wing. L. Servanty. 2,524,605, Oct. 3.
Arrangement for sorting paper pulp and similar suspended matters. V. V. Rantaniemi. 2,501,916, Mar. 28.
Arrangement for starting lighting regulation on dimmer control in stage lighting. A. Arvidsson. 2,504,619, Apr. 18.
Arrangement for the control of a variable-speed mechanism. F. P. J. H. Dumont. 2,529,379, Nov. 7.
Arrangement for the starting of two shaft gas turbine propelling means chiefly on board of aircraft. M. H. L. Sédille and R. J. Imbert. 2,529,973, Nov. 14.
Arrangement for the utilization of turbine exhaust gases in steam generators and air preheaters. H. Pfenninger. 2,499,108, Feb. 28.
Arrangement in compressed air circuit breakers. H. Forwald. 2,531,617, Nov. 28.
Arrangement in manufacturing of coated welding electrodes. E. W. Grana. 2,522,363, Sept. 12.
Arrangement in mining elevators. K. Lindahl. 2,503,954, Apr. 11.
Arrangement of aircraft propulsion and radio viewing components. F. I. Steele and A. O. Willis. 2,494,368, Jan. 10.
Arrangement of electronic discharge tube equipment for the thermal treatment of metals by high-frequency currents. H. Grumel. 2,517,425, Aug. 1.
Arrangement of mufflers and vehicle body chambers therefor. R. Březek. 2,529,995, Nov. 14.
Arrangement of the fuel pump cooling in air-cooled V-type internal-combustion engines. J. Ruzicka. 2,525,375, Oct. 10.
Arranger for carbon and typewriter paper. L. Lafforthun. 2,520,367, Aug. 29.
Arranging and feeding apparatus. L. E. Davies. 2,532,760. Dec. 5.
Arrester, Adjustable chimney spark. Samuel A. and Stanley A. Laffrey. 2,505,123, Apr. 25.
Arresting device, Sunrays and reflected glare. S. L. Wilson. 2,501,250, Mar. 21.
Arresting means for autographic registers. H. J. Waechter. 2,536,013, Dec. 26.
Arrow and arrowhead, Hunting. H. T. Maager. 2,531,635, Nov. 28.
Arrowhead. J. C. Ramsey. 2,504,449, Apr. 18.
Arsenic compounds, Preparing. B. F. Tuller. 2,516,276, July 25.
Arsenic sulfathiazole chelate complex. I. Mellan. 2,507,537, May 16.
Arsine derivatives. E. Rohrmann. 2,516,831, July 25.
Article arranging and transfer mechanism. R. E. Wait. 2,526,983, Oct. 24.
Article assembling apparatus. E. Bertalan. 2,515,487, July 18.
Article attaching machine. M. McCann. 2,495,069, Jan. 17.
Article attaching machine. J. Vollman. 2,509,619, May 30.
Article carrier. J. D. Tyson, Jr. 2,513,762, July 4.
Article carrying device. O. A. Herbert. 2,532,306, Dec. 5.
Article-controlled transfer mechanism. W. E. Saxe. 2,525,953, Oct. 17.
Article delivery mechanism. C. H. Dixon. 2,529,600, Nov. 14.
Article dispenser. M. Caruso. 2,496,443, Feb. 7.
Article dispensing container. J. A. Johnson. 2,497,455, Feb. 14.
Article divider and delivering device. F. Rasmussen. 2,535,866, Dec. 26.
Article for filing flexible recording belts. C. L. Bossmeyer. 2,506,058, May 2.
Article forming apparatus. C. O. Blaisdell. 2,496,929, Feb. 7.
Article forming apparatus. D. J. Diekmann and R. Polivka. 2,526,336, Oct. 17.

Article forming apparatus. E. A. Kruse. 2,518,029, Aug. 8.
Article-forming system. R. W. Cummings and G. F. C. Burke. 2,531,555, Nov. 28.
Article gathering apparatus. B. Polisena. 2,515,966, July 18.
Article grading apparatus. S. Pekar. 2,508,796, May 23.
Article handler. W. L. Casey, Jr. 2,493,108, Jan. 3.
Article handling device. C. G. Bailey. 2,495,954, Jan. 31.
Article heating and delivery apparatus. H. A. Strickland, Jr., B. R. Purvin, and D. W. Riddell. 2,493,785, Jan. 10.
Article holder. C. N. Eudy. 2,515,955, July 18.
Article holding and display container. S. H. Davis. 2,503,379, Apr. 11.
Article holding device. E. E. Ornell, 2,526,766, Oct. 24.
Article of footwear and supporting member. H. L. Whitman. 2,497,250, Feb. 14.
Article of furniture. B. L. Cockrell. 2,512,416, June 20.
Article of furniture. E. E. Collin. 2,512,827, June 27.
Article of furniture. A. Martin, H. Male, and S. Collins. 2,515,459, July 18.
Article of furniture. C. P. Owens. 2,499,773, Mar. 7.
Article of furniture, Reclining. A. Lorenz. 2,535,687, Dec. 26.
Article of hosiery and making the same. P. L. Thurston. 2,512,728, June 27.
Article of manufacture and method. T. E. Piazze. 2,514,255, July 4.
Article of tungsten and wrought copper joined by cast copper. R. L. Adams. 2,506,326, May 2.
Article of tungsten and wrought copper joined by sintered copper. R. H. Harrington. 2,506,327, May 2.
Article or package carrier. D. C. McKenzie. 2,533,135, Dec. 5.
Article orienting apparatus. R. M. Magnuson. 2,534,362, Dec. 19.
Article refrigeration. H. K. Johnson. 2,529,470, Nov. 7.
Article securing means. A. Israelson. 2,494,130, Jan. 10.
Article transfer mechanism. W. E. Heise. 2,509,565, May 30.
Article transfer mechanism for pallet conveyers. G. J. Malvicini. 2,501,473, Mar. 21.
Article-working apparatus. B. A. Raetsch. 2,509,073, May 23.
Article working apparatus. A. B. Reeves. 2,521,947, Sept. 12.
Articles composed of crystalline and oriented polymers and copolymers of 2,3-dichlorobutadiene-1,3. L. B. Kuhn. 2,514,195, July 4.
Articles from coal, Production of useful. J. G. Bennett, C. D. Greaves, G. C. Phillpotts, M. Pirani, W. J. Kramers, and D. B. Foster. 2,493,383, Jan. 3.
Articles from plastic materials, Making. L. Daly. 2,514,597, July 11.
Articles made from ceramic or similar materials, The manufacture of. R. Lecuir. 2,510,504, June 6.
Articles of cellular structure, The manufacture of. J. A. de Fábregues-Boixar Soler. 2,503,139, Apr. 4.
Articulated car. E. R. Schroeder and V. Wolloughby. 2,508,339, May 16.
Articulated fairing. F. C. Eastman. 2,530,571, Nov. 21.
Articulated locomotive truck frame. J. N. Green. 2,502,004, Mar. 28.
Articulated vehicle. K. Henrichsen. 2,505,183, Apr. 25.
Articulating part for surgical or other instruments, Dismountable. H. van Steenbrugghe. 2,530,136, Nov. 14.
Articulator. E. Nell. 2,521,599, Sept. 5.
Artificial arm. H. T. Edwards. 2,497,493, Feb. 14.
Artificial arm. H. T. Edwards. 2,535,489, Dec. 26.
Artificial arm. J. M. Hauser. 2,512,526, June 20.
Artificial arm. G. M. Motis and J. D. Chapman. 2,516,791, July 25.
Artificial arm. R. W. Wilkinson. 2,494,734, Jan. 17.
Artificial breast. J. P. Bordner. 2,524,028, Oct. 3.
Artificial bristles and the like from proteins, Production of. T. L. McMeekin, T. S. Reid, R. C. Warner, and R. W. Jackson. 2,521,738, Sept. 12.
Artificial eye. S. F. Erpf. 2,497,873, Feb. 21.
Artificial eye. S. F. Erpf, V. H. Dietz, and M. S. Wirtz. 2,497,872, Feb. 21.
Artificial eye implant. D. E. Rolf, H. D. Fowler, Jr., and T. S. Gerspacher. 2,516,804, July 25.
Artificial eyelash and apparatus for storing and curling it. J. M. Hassler. 2,503,552, Apr. 11.
Artificial filament, Crimped. H. D. Merion and W. A. Sisson. 2,517,694, Aug. 8.
Artificial filaments, Producing. W. D. Nicoll. 2,515,889, July 18.
Artificial flies, Making. W. F. and D. I. Sivey. 2,533,523, Dec. 12.
Artificial foot piece. O. J. Howe. 2,515,227, July 18.
Artificial hand. C. Lohmann. 2,500,614, Mar. 14.
Artificial hand. A. F. Syverud and B. G. Peterson. 2,528,322, Oct. 31.
Artificial hand. R. B. Trautman. 2,494,460, Jan. 10.
Artificial hands and replicas of other objects, Making. H. Gillman. 2,508,156, May 16.
Artificial leg. A. B. Hanson. 2,533,008, Dec. 5.
Artificial leg (diaphragm knee lock control). J. G. Catranis. 2,530,285, Nov. 14.
Artificial limb. A. and B. G. Pecorella. 2,493,776, Jan. 10.
Artificial limb and making the same. T. J. Schmidt. 2,520,659, Aug. 29.
Artificial limb and valve therefor. O. Sharp and W. Bellamy. 2,533,404, Dec. 12.
Artificial limb knee structure. L. H. Barghausen. 2,513,134, June 27.
Artificial load, Radiofrequency. A. G. Kandoian. 2,495,733, Jan. 31.
Artificial lure. L. A. Loeb. 2,511,117, June 13.
Artificial lure. J. M. Marsico. 2,531,738, Nov. 28.
Artificial materials, Production of. W. Pool and E. J. Upton. 2,517,711, Aug. 8.
Artificial muscle, Electromagnetic. R. Asche and J. J. Hubscher. 2,532,876, Dec. 5.
Artificial mustache construction. I. H. Raditz. 2,517,349, Aug. 1.
Artificial respiration by electronic stimulation. S. J. Sarnoff. 2,532,788, Dec. 5.
Artificial respirator. R. E. Forrey. 2,506,865, May 9.
Artificial sphincter. F. E. B. Foley. 2,533,924, Dec. 12.
Artificial teat. J. Verner. 2,533,643, Dec. 12.
Artificial tooth. F. Dell'Anno. 2,530,601, Nov. 21.
Artificial tooth. E. B. Kelly. 2,514,075, July 4.
Artificial tooth. S. I. Silverman. 2,525,962, Oct. 17.
Artificial tooth and securing same. W. Kleiner. 2,531,517, Nov. 28.
Artillery trainer. C. H. Jeffers. 2,497,085, Feb. 14.
Artist's equipment. M. Dolas. 2,503,807, Apr. 11.
Artist's sketch box. D. M. Abel. 2,531,189, Nov. 21.
Artjopat designing board. B. C. Petersen. 2,529,413, Nov. 7.
Aryl and alkyl alkenyl-phosphonates W. H. Woodstock. 2,516,168, July 25.
Arylalkylolamines as stabilizers for emulsion polymer latices. F. W. Banes and M. W. Swaney. 2,514,362, July 11.
Arylaminomethine compounds. E. B. Knott. 2,515,878, July 18.
Aryl azo methine sulfonic acids. D. M. McQueen. 2,507,114, May 9.
Aryl diguanamines. J. K. Simons. 2,532,519, Dec. 5.
Aryl diketones, Preparation of. J. O. Van Hook and W. J. Croxall. 2,530,273, Nov. 14.
Aryl esters of 4-chlorobenzene sulfonic acid. E. C. Britton and H. R. Slagh. 2,532,222, Nov. 28.
Aryl halosilanes, Preparing. G. H. Wagner. 2,513,123, June 27.
Aryl indan hydrocarbons, Production of. V. N. Ipatieff and H. Pines. 2,519,577, Aug. 22.
Arylindans, Production of. V. N. Ipatieff and H. Pines. 2,519,576, Aug. 22.
Aryl indans, Production of. V. N. Ipatieff and H. Pines. 2,526,897, Oct. 24.
Aryloxyalkanes. E. T. McBee and R. O. Bolt. 2,516,403, July 25.
Aryl phosphates of polyvinyl alcohol. G. M. Kosolapoff. 2,495,108, Jan. 17.
Aryl-substituted valeric acids. J. H. Hunter and J. Korman. 2,499,920, Mar. 7.
Aryl sulfonyl thioureas, Preparation of. M. Arquet and P. Charpentier. 2,498,782, Feb. 28.
Asbestos roving, sliver, or yarn, Reinforced. H. E. Palm and C. M. Gilpin. 2,503,237, Apr. 11.
Asbestos-rubber compositions, Production of. G. D'Olier. 2,534,814, Dec. 19.
Ascending and descending device. A. Pascoo. 2,498,445, Feb. 21.
Ash collector, Suction. M. Raminger. 2,531,920, Nov. 28.
Ash dispenser. E. R. von Benkendorff. 2,499,803, Mar. 7.
Ash disposal apparatus. J. E. McAdams. 2,509,872, May 30.
Ash receiver, Cigarette. G. V. Randel. 2,494,629, Jan. 17.
Ash receptacle. F. G. Julyan and W. M. Schweickart. 2,498,370, Feb. 21.
Ash tray. C. Hendricks. 2,505,324, Apr. 25.
Ash tray. F. P. Klekot. 2,508,575, May 23.
Ash tray. L. Uman. 2,520,746, Aug. 29.
Ash tray and lamp structure. J. L. Van Eastenbridge. 2,508,202, May 16.
Ash tray, Automobile. F. J. Boyce. 2,499,942, Mar. 7.
Ash tray, Collapsible. P. K. Madan. 2,506,962, May 9.
Ash tray, Pocket purse. A. F. Kissner, Jr. 2,522,379, Sept. 12.
Ash tray, Safety. B. J. Lureau. 2,501,066, Mar. 21.
Ash tray, Safety. W. Schmitt. 2,495,185, Jan. 17.
Ash tray, Safety. L. W. White. 2,535,768, Dec. 26.
Asphalt bituminous bonding composition and preparation. L. J. Mitchell and H. J. Sommer. 2,534,828, Dec. 19.
Asphalt compositions. D. Harman and H. J. Sommer. 2,517,564, Aug. 8.
Asphalt compositions, Preparation of. V. R. Smith and C. G. Schmitz. 2,506,283, May 2.
Asphalt emulsion. W. G. Craig. 2,503,246, Apr. 11.
Asphalt wetting agents. E. M. Hankins. 2,534,713, Dec. 19.
Aspiration biopsy. C. N. Flagg. 2,522,108, Sept. 12.
Aspirator for administering medicine. J. H. Emerson. 2,535,844, Dec. 26.
Aspirator, Surgical. S. A. Henderson. 2,531,730, Nov. 28.
Assemblies of resistor bodies, Making. R. L. Rulison. 2,505,066, Apr. 25.
Assembling a full complement ball bearing. E. P. Schmidt. 2,518,942, Aug. 15.
Assembling and dismantling of bicycle hubs. L. Juy. 2,511,985, June 20.

Assembling and retaining radially disposed vanes. R. C. Zeidler. 2,505,820, May 2.
Assembling apparatus. E. Bertalan. 2,515,486, July 18.
Assembling bail-pointed writing instruments, Method of and apparatus for. C. O. Schrader and H. M. Sears. 2,498,009, Feb. 21.
Assembling battery elements, Method and apparatus for. C. A. Young. 2,498,021, Feb. 21.
Assembling machine. G. R. Eckstein. 2,516,687, July 25.
Assembling machine, Carton. J. A. T. Leask. 2,499,960, Mar. 7.
Assembling machine, Partition strip. J. E. McLaughlin, J. E. Wilske, and F. A. McCormick. 2,497,318, Feb. 14.
Assembling slip multiple terminal banks. E. L. Malhiot. 2,496,949, Feb. 7.
Assembly for communication apparatus. A. R. Doucette. 2,515,638, July 18.
Assembly for concrete construction, Paper tube. E. S. Reid. 2,497,058, Feb. 7.
Assembly for electrodynamic loud speakers, Permanent magnet. F. J. Harbaugh. 2,501,032, Mar. 21.
Assembly for pocket lighters, Demountable head. C. A. Fortin. 2,493,450, Jan. 3.
Assembly for turbines, Bearing and seal. H. R. Strickland. 2,496,897, Feb. 7.
Assembly for typewriters, Removable type. H. A. Lundgren. 2,503,162, Apr. 4.
Assembly for vacuum tubes, Shield. E. F. Staver. 2,499,612, Mar. 7.
Assembly of electric explosion initiators. D. D. Huyett. 2,532,770, Dec. 5.
Assembly of end caps and cylinders. J. E. Szitar. 2,502,290, Mar. 28.
Assembly of roofing and siding units. F. S. Small. 2,511,083, June 13.
Assorting system. W. Culver. 2,527,244, Oct. 24.
Asteriae, Artificial. R. S. Mukai. 2,511,510, June 13.
Astronomical device. G. M. Beckwith. 2,498,641, Feb. 28.
Atmospheric pressure pump. H. W. Neff. 2,510,649, June 6.
Atmospheric pressure cyanation of dihalobutenes in the liquid phase. M. W. Farlow. 2,518,608, Aug. 15.
Atomic disintegration, Artificial. W. H. Wells, W. E. Stephens, W. E. Shoupp, and R. O. Haxby. 2,500,223, Mar. 14.
Atomizer. B. Baron. 2,517,961, Aug. 8.
Atomizer. W. A. Cotter. 2,528,641, Nov. 7.
Atomizer. P. Engstrum. 2,509,291, May 30.
Atomizer. P. Engstrum. 2,514,751, July 11.
Atomizer assembly for use in flame photometers. R. L. Hood. 2,517,666, Aug. 8.
Atomizer for acid liquids, Squeeze-bottle. C. S. Schopmeyer. 2,531,745, Nov. 28.
Atomizer for oil burners. E. C. Smith. 2,530,269, Nov. 14.
Atomizer, Liquid. S. Gimelli. 2,523,693, Sept. 26.
Atomizer, Liquid fuel. D. Meyer. 2,532,851, Dec. 5.
Atomizer, Perfume. E. P. Smith. 2,521,611, Sept. 5.
Atomizer, Pocket. A. Arbetman. 2,529,239, Nov. 7.
Atomizer, Pocket. G. H. Fisher. 2,530,161, Nov. 14.
Atomizing by supersonic sound vibrations. T. D. Joeck. 2,532,554, Dec. 5.
Atomizing device, Door operated. T. O. Marini. 2,534,465, Dec. 19.
Atomizing device, Door operated. T. O. Marini and L. Onorato. 2,534,464, Dec. 19.
Atomizing fuel oil, Method and atomizer for. H. J. J. Janssen. 2,514,581, July 11.
Attaching a leader to a hook. D. J. Benoit. 2,533,418, Dec. 12.
Attaching conductors to carbon brushes. S. Gilbert. 2,507,780, May 16.
Attaching device for phonograph reproducer units. W. S. Gillmor. 2,517,423, Aug. 1.
Attaching fastening elements to flexible sheet material. F. K. Slamon and D. C. Stanley. 2,524,842, Oct. 10.
Attaching means for jewelry. L. Kramer. 2,499,592, Mar. 7.
Attaching means for lens mounts. C. M. Lee. 2,511,212, June 13.
Attaching means for plastic members. N. Barbieri. 2,508,900, May 23.
Attaching means for surface hardened parts such as plows. R. B. Temple. 2,519,326, Aug. 15.
Attaching price tags. G. Cunningham. 2,503,902, Apr. 11.
Attachment, Boat trailer. S. R. Husek. 2,522,616. Sept. 19.
Attachment for acetylene cutting torches. W. F. Rentsch. 2,525,241, Oct. 10.
Attachment for adjusting the pitch of a level body J. O. Thorndike. 2,520,700, Aug. 29.
Attachment for air brake systems. R. K. Biery. 2,497,576, Feb. 14.
Attachment for air brakes, Safety. J. F. Ferguson. 2,501,715, Mar. 28.
Attachment for ambulance cots, Lamp. P. W. McLellan. 2,498,287, Feb. 21.
Attachment for animal traps, Bait holder. T. O. Martin. 2,524,324, Oct. 3.
Attachment for automatic knitting machines. J. P. Wilson. 2,523,460, Sept. 26.
Attachment for automobile bodies, Storage. P. Lim. 2,518,342, Aug. 8.
Attachment for automobiles, Sleeping. V. R. Will. 2,500,650, Mar. 14.
Attachment for axle assemblies, Alignment. H. E. Hart. 2,502,946, Apr. 4.
Attachment for axle engaging vehicle lifts, Wheel engaging. I. A. Weaver. 2,503,428, Apr. 11.
Attachment for baby buggies, Sled runner. A. H. Berra and A. A. Claus. 2,521,330, Sept. 5.
Attachment for baby carriages, Antitipping safety. P. N. Zoll. 2,509,584, May 30.
Attachment for baby carriages, Tractor. E. Bortnick. 2,493,613, Jan. 3.
Attachment for baby strollers, Seat. R. J. Stadelman. 2,499,007, Feb. 28.
Attachment for band-saw machines, Circle cutting. H. E. Helbig. 2,506,959, May 9.
Attachment for band saws, Sawing guide. P. O'Riley. 2,520,690, Aug. 29.
Attachment for barrels, Dispensing. J. M. Colanto. 2,509,962, May 30.
Attachment for bathtub headrests, Back-supporting. S. C. Reagan, Sr., O. Reagan, S. C. Reagan, Jr., and B. B. Reagan. 2,523,447, Sept. 26.
Attachment for beds, Crib. M. Lieff. 2,504,028, Apr. 11.
Attachment for block molds, Siding mold. E. N. Jordan. 2,498,923, Feb. 28.
Attachment for boats, Motor. R. J. Sharp. 2,522,545, Sept. 19.
Attachment for books, Magnifying. G. J. Pierce. 2,527,071, Oct. 24.
Attachment for boring tools, Angle guide. J. W. Pashby. 2,502,171, Mar. 28.
Attachment for bulldozer blades. T. W. von Carnop. 2,515,384, July 18.
Attachment for bulldozer moldboards, Quick removable rooter. D. Fletcher. 2,497,351, Feb. 14.
Attachment for button-sewing machines, Button dispensing. H. L. Herring. 2,519,655, Aug. 22.
Attachment for cameras, Object framing. W. S. Hencke and C. H. Sand. 2,511,531, June 13.
Attachment for cameras, Shutter operating. L. Keresztes. 2,520,505, Aug. 29.
Attachment for card tables, Tray. A. J. Meier. 2,512,958. June 27.
Attachment for carpenters' squares, Protractor. M. L. Cassity. 2,499,721, Mar. 7.
Attachment for carrying a trailer on a truck. C. L Willis. 2,518,410, Aug. 8.
Attachment for chisel plows, Rotatable rod weeder. L. O. Fundingsland. 2,528,270, Oct. 31.
Attachment for circular knitting machine. C. P. Berg. 2,500,337, Mar. 14.
Attachment for cleaning apparatus, Spotting table. R. Lyons. 2,535,745, Dec. 26.
Attachment for clothes wringers, Starching. H. R. Ecke. 2,513,629, July 4.
Attachment for collapsible tubes, Fountain brush. R. V. Taverner. 2,505,441, Apr. 25.
Attachment for collapsible tubes, having a receiver for extruded contents, Valved. T. R. Carlton. 2,518,751, Aug. 15.
Attachment for containers, including a reversible spout, Dispensing. S. B. Gersten. 2,534,434, Dec. 19.
Attachment for containers, Pouring. W. W. Prickett. 2,499,259, Feb. 28.
Attachment for control mechanism, Safety. L. D. Jaffe. 2,514,396, July 11.
Attachment for converters. B. K. Newman. 2,499,407, Mar. 7.
Attachment for conveyers, Seed treating. I. Shafer. 2,507,820, May 16.
Attachment for corn pickers, Tractor mounting. L. A. Hardy, A. H. Keller, and J. L. Aasland. 2,507,711, May 16.
Attachment for cranes. P. G. Pierce. 2,520,431, Aug. 29.
Attachment for crocheting machines. M. Philip. 2,506,432, May 2.
Attachment for crutches or canes, Creeper. D. A. Desso, Sr., and G. F. White. 2,501,890, Mar. 28.
Attachment for "Doall" machines, Antivibration. T. W. G. Lyons. 2,533,272, Dec. 12.
Attachment for door hinges, Hanger. A. R. Hunt. 2,509,502, May 30.
Attachment for doughnut machines, Cutting. S. P. Savides. 2,500,620, Mar. 14.
Attachment for drill presses, Sanding. A. L. Carey and J. V. Anslinger. 2,519,542, Aug. 22.
Attachment for drill presses, Tool. H. F. Jernegan. 2,523,573, Sept. 26.
Attachment for eave troughs, Trash agitating. H. W. Jones. 2,523,435, Sept. 26.
Attachment for electric food mixers, Bowl cover. F. S. Franke. 2,517,648, Aug. 8.
Attachment for electric lamps or the like, Ornamental. O. I. Johnson. 2,513,565, July 4.
Attachment for electric mixers, Scouring. H. C. Wolfe. 2,496,972, Feb. 7.
Attachment for electric motors, Sanding. E. W. Jones. 2,501,524, Mar. 21.
Attachment for electric motors and the like, Multispeed. J. G. Lownsbery. 2,517,328, Aug. 1.

Attachment for embroidery machines, Thread supporting and tensioning. J. C. Orrigo. 2,508,887, May 23.
Attachment for engine exhaust pipes, Exhaust pressure reducing. J. W. Barnes. 2,500,510, Mar. 14.
Attachment for eradicating weeds, Lawn mower. J. B. Mangan. 2,503,057, Apr. 4.
Attachment for farm tractors, Cultivator. E. W. Horn. 2,528,144, Oct. 31.
Attachment for fastening tables to automobile instrument panels. W. E. Trammell. 2,510,436, June 6.
Attachment for faucets, Fountain. J. P. Brunetti. 2,524,956, Oct. 10.
Attachment for feed pails, Nipple. J. R. Rhinehart. 2,535,159, Dec. 26.
Attachment for fishhooks, Bait retaining. E. C. Jensen. 2,499,145, Feb. 28.
Attachment for fishing poles, Signal. L. G. Leyda. 2,506,370, May 2.
Attachment for flexible rotary disk. S. M. Kenerson. 2,531,775, Nov. 28.
Attachment for fretted, stringed musical instruments. F. Forcillo. 2,510,775, June 6.
Attachment for fur sewing machines. E. F. Burns, V. R. Woodruff, and A. R. Leonard, Jr. 2,531,766, Nov. 28.
Attachment for garden hoes, Weeding. P. O. Sacksteder. 2,508,542, May 23.
Attachment for glass table tops, Lifting. K. F. Schmidt. 2,503,565, Apr. 11.
Attachment for golf bags, Conveying. K. E. Burtt. 2,508,059, May 16.
Attachment for golf clubs, Marking. R. and J. W. Abrecht. 2,495,679, Jan. 31.
Attachment for grain drills or planters, Furrow opening. H. B. Hall. 2,499,095, Feb. 28.
Attachment for grinding machines, Infeed. W. A. Cox. 2,518,600, Aug. 15.
Attachment for hammerheads, Dolly. C. Kirk. 2,527,738, Oct. 31.
Attachment for harrows. A. E. Young. 2,522,011, Sept. 12.
Attachment for harvesters. S. D. Pool and G. W. Pearson. 2,513,966, July 4.
Attachment for harvesters, Seed gathering and stripping. F. Knowlton. 2,526,141, Oct. 17.
Attachment for hay balers, Hay salting. A. F. Sanner, Jr. 2,504,279, Apr. 18.
Attachment for headlights, Fog light. C. E. Davis and E. D. Stevenson. 2,530,685, Nov. 21.
Attachment for height gauges, Adjustable stop. W. V. Tedrick. 2,519,942, Aug. 22.
Attachment for high chairs, Dish. W. G. Boyer and C. E. Dunlap. 2,535,563, Dec. 26.
Attachment for hoists, Work supporting. W. S. Hoover and T. H. Rea. 2,500,459, Mar. 14.
Attachment for holding brads. L. P. Avery. 2,505,874, May 2.
Attachment for ice-cream freezers, Brine overflow. R. C. Nierste. 2,514,787, July 11.
Attachment for icing machines, Rippler. F. C. Schoen, Jr. 2,509,533, May 30.
Attachment for industrial trucks, Load holding. O. L. Reagle. 2,520,564, Aug. 29.
Attachment for infant toilet seats, Footrest. A. E. Singleton. 2,499,884, Mar. 7.
Attachment for ink bottles. Y. Fok. 2,516,511, July 25.
Attachment for ink rollers and printing machines. G. Babicz. 2,516,941, Aug. 1.
Attachment for internal-combustion engines. G. F. Mooney. 2,534,983, Dec. 19.
Attachment for ironing machines, Work-spreading. W. Borgos. 2,508,096, May 16.
Attachment of key opener to can ends or like container parts. G. C. Hook. 2,532,166, Nov. 28.
Attachment for knitting machines, Electrical safety. J. S. Karl. 2,527,822, Oct. 31.
Attachment for knitting machines, Uniform tension. D. M. Harman. 2,518,615, Aug. 15.
Attachment for ladders. J. T. Mintus. 2,500,086, Mar. 7.
Attachment for lamp shades, Decorative. T. Wynnyk. 2,511,394, June 13.
Attachment for lathe machines. R. O. Pearce and R. W. Kramer. 2,502,274, Mar. 28.
Attachment for lathes, Pilot turning. D. Du Bois and P. Wheeler. 2,533,665, Dec. 12.
Attachment for lawn mowers. S. Sherrow. 2,494,062, Jan. 10.
Attachment for lawn mowers. G. H. Spence. 2,533,745, Dec. 12.
Attachment for lawn mowers, Windrowing. A. Stuhl. 2,495,032, Jan. 17.
Attachment for lighting fixtures, Hanger. M. H. Kruger. 2,507,308, May 9.
Attachment for loaders and the like, Tractor. J. Pilch. 2,526,500, Oct. 17.
Attachment for loading apparatus, Safety. J. H. Pierce. 2,527,653, Oct. 31.
Attachment for machine heads, Tilt indicating. W. E. Shenefelt. 2,498,460, Feb. 21.
Attachment for machine tools, Slotting. A. P. Owens. 2,493,021, Jan. 3.
Attachment for metal-bending machines, Gauge. L. C. Million. 2,502,056, Mar. 28.
Attachment for metal cutting machines. M. Russell and A. E. Rainville. 2,493,033, Jan. 3.
Attachment for metalworking lathes, Shaping. J. F. Ludeman. 2,516,224, July 25.
Attachment for micrometers, V-block. B. Vizuete. 2,521,428, Sept. 5.
Attachment for milling machines, Surface grinder. A. P. Dredske. 2,520,676, Aug. 29.
Attachment for motorboats, Trolling. W. McClain. 2,495,116, Jan. 17.
Attachment for mounting rotatable tools to a tractor and for operating the tools by the tractor motor. R. O. Shepard and H. K. Hutchinson. 2,498,138, Feb. 21.
Attachment for musical instruments, Stand. V. J. Lawrence. 2,517,896, Aug. 8.
Attachment for newspaper press inking roller shafts. L. J. Griner. 2,513,643, July 4.
Attachment for oil burners. T. J. Maciejewski. 2,533,596, Dec. 12.
Attachment for orange squeezers or the like, Nutcracker. M. Paul. 2,506,970, May 9.
Attachment for paint cans. P. G. Frank. 2,534,964, Dec. 19.
Attachment for paper clips, Handle. S. D. Mayer. 2,510,508, June 6.
Attachment for pitchers and like containers, Strainer. R. S. Jakubowski. 2,511,111, June 13.
Attachment for pliers, Saw blade holding. B. P. Johnston. 2,493,972, Jan. 10.
Attachment for plows. V. L. Cox. 2,499,988, Mar. 7.
Attachment for plows, Cultivating. D. R. Jamerson. 2,511,067, June 13.
Attachment for plows, Wheel. V. P. Alloway. 2,493,649, Jan. 3.
Attachment for poles and the like, Guy. R. L. Smythe. 2,526,511, Oct. 17.
Attachment for power lawn mowers, Edging. A. Parry. 2,515,732, July 18.
Attachment for power saws, Boring. E. N. Harnish and J. W. Manley. 2,526,131, Oct. 17.
Attachment for presses. N. F. Carden, Jr. 2,531,253, Nov. 21.
Attachment for printing presses, Inking. L. J. Fonseca. 2,499,638, Mar. 7.
Attachment for producing propeller blanks, Band saw. H. B. Daniel. 2,497,869, Feb. 21.
Attachment for radiators, Filter. H. E. Malme. 2,493,257, Jan. 3.
Attachment for radio sets. B. Singer. 2,497,963, Feb. 21.
Attachment for railroad car journal boxes. F. Gillespie. 2,508,510, May 23.
Attachment for railway trucks, Hanger. W. F. Mitchell. 2,503,403, Apr. 11.
Attachment for retaining the mouth of a flexible container in an extended position. D. L. Lawrence. 2,527,746, Oct. 31.
Attachment for road grading machinery. V. Schiavi. 2,510,523, June 6.
Attachment for rotary type balers, Blower. D. G. Liebig and A. J. Liebig, Jr. 2,510,702, June 6.
Attachment for saw blades. H. E. Grahn. 2,500,248, Mar. 14.
Attachment for scales, Counting. F. G. Menze. 2,524,202, Oct. 3.
Attachment for screw drivers, Awl. L. A. Wieland. 2,512,449, June 20.
Attachment for screw machines and the like, Automatic operating. W. C. Beach. 2,512,051, June 20.
Attachment for seaming machines, Work folding and guiding. R. J. Sailer. 2,514,013, July 4.
Attachment for sewing machines. P. J. Stuster. 2,533,746, Dec. 12.
Attachment for sewing machines, Blower. G. Sauer and C. C. Smith. 2,518,725, Aug. 15.
Attachment for sewing machines, Edge cutter. A. Alifano and N. M. Porreca. 2,493,735, Jan. 10.
Attachment for sewing machines for repairing hosiery. A. E. Leino. 2,511,275, June 13.
Attachment for sewing machines, Ruffler. V. J. Sigoda. 2,533,291, Dec. 12.
Attachment for sewing machines, Ruffling. A. F. De Rose. 2,508,750, May 23.
Attachment for sewing machines, Shearing. H S. Ketcham. 2,510,929, June 6.
Attachment for sewing machines, Stitch setter. F. M. Schribert. 2,525,956, Oct. 17.
Attachment for sewing machines, Work-guiding. J. E. Ackerman. 2,506,325, May 2.
Attachment for shoes, Antiskid. C. Young. 2,511,191, June 13.
Attachment for shotguns and rifles, Slide action. J. W. Raymond. 2,499,878, Mar. 7.
Attachment for shovels, Breaker. W. V. Cornett. 2,517,980, Aug. 8.
Attachment for sinks. H. G. Knuth. 2,503,203, Apr. 4.
Attachment for sinks, Drip pan. E. Olson. 2,534,793, Dec. 19.
Attachment for skis, Climbing. L. N. La Salle. 2,510,476, June 6.
Attachment for snap-on snow chains. P. Rawl and S. Rosoff. 2,535,601, Dec. 26.
Attachment for soft drink bottles. J. B. Cheek. 2,530,227, Nov. 14.

Attachment for spirit levels, Adjustment. A. O. Krausser. 2,521,525, Sept. 5.
Attachment for stackers and loaders, Hydraulic. W. V. Warren. 2,507,235, May 9.
Attachment for steam garment pressing machines, Ventilating. J. F. Seuff. 2,499,006, Feb. 28.
Attachment for stringed instruments, Chord playing. E. L. La Rose. 2,517,000, Aug. 1.
Attachment for suction cleaners, Converter. W. A. Humphrey. 2,517,670, Aug. 8
Attachment for suction cleaners, Rear. F. S. Howard. 2,525,801, Oct. 17.
Attachment for suspending clothing in automobile bodies. C. Seidler. 2,528,794, Nov. 7.
Attachment for tables, Shelf. L. W. Alfred. 2,526,793, Oct. 24.
Attachment for tamping rollers, Blade. C. F. Greiner and J. F. Harrison. 2,499,746, Mar. 7.
Attachment for textile machines. T. M. Carmichael. 2,527,396, Oct. 24.
Attachment for the cutter bars of mining machines. G. C. Watson. 2,517,267, Aug. 1.
Attachment for the tailstock of lathes, Centering. W. A. Landreth. 2,501,684, Mar. 28.
Attachment for toilet bowls, Cleansing nozzle. R. H. Dunn. 2,504,257, Apr. 18.
Attachment for tools, Work-holding. O. Blavier. 2,510,950, June 13.
Attachment for toy tracks, Circuit controlling. M. H. Frisbie. 2,515,209, July 18.
Attachment for tractor brake pedals, Locking and releasing. H. Bintz. 2,535,718, Dec. 26.
Attachment for tractor cultivators, Ridge cutting. J. F. Ellinghuysen. 2,505,280, Apr. 25.
Attachment for tractor wheels, Harrow. J. A. Boroski. 2,505,276, Apr. 25.
Attachment for tractors, Break-back implement. W. G. Charley. 2,520,744, Aug. 29.
Attachment for tractors, Break-back implement. W. H. Tanke. 2,520,743, Aug. 29.
Attachment for tractors, Brush spreading. J. H. Q. Burke. 2,529,998, Nov. 14.
Attachment for tractors, Cutter. D. Gracey and E. Cain. 2,529,934, Nov. 14.
Attachment for tractors, Ditchdigging. V. J. Holopainen. 2,496,874, Feb. 7.
Attachment for tractors, Dragsaw. R. E. Von Ruden. 2,513,697, July 4.
Attachment for tractors, Earth boring. E. V. Bunting. 2,521,895, Sept. 12.
Attachment for tractors, Fertilizer sower. F. E. Scott. 2,532,518, Dec. 5.
Attachment for tractors, Front-wheel mud guard. D. A. Campbell. 2,530,857, Nov. 21.
Attachment for tractors, Mower. W. G. Spurlin. 2,502,805, Apr. 4.
Attachment for tractors, Mowing. E. L. Grate. 2,500,818, Mar. 14.
Attachment for tractors or the like, Power lift. J. J. Simmonds. 2,495,143, Jan. 17.
Attachment for tractors, Plow. F. W. Faucett. 2,528,352, Oct. 31.
Attachment for tractors, Power hammer. A. Q. Adams. 2,529,892, Nov. 14.
Attachment for tractors, Seeder. W. V. Hurt. 2,496,162, Jan. 31.
Attachment for tractors, Tree or brush puller. H. P. Taylor. 2,505,923, May 2.
Attachment for tractors, Wire reeling. J. E. Foran. 2,494,383, Jan. 10.
Attachment for trucks, Hoist. I. Mueller. 2,515,833, July 18
Attachment for trucks, Portable lift. P. E. Webster. 2,501,112, Mar. 21.
Attachment for turning lathes, Milling machine. D. S. and S. P. Jones. 2,502,851, Apr. 4.
Attachment for two-piece swim suits, Life preserver. M. H. David. 2,521,205, Sept. 5.
Attachment for type wheels, Cleaning. W. J. Keuper. 2,511,921, June 20.
Attachment for typewriters, Antijamming. W. A. Gooch. 2,529,604, Nov. 14.
Attachment for typewriters, Erasure. R. V. Bowman. 2,525,063, Oct. 10.
Attachment for typewriters, Line-forming. A. F. Becan. 2,499,714, Mar. 7.
Attachment for typing machines, Manifolding. H. F. Sadgebury and R. N. Ward. 2,495,985, Jan. 31.
Attachment for use with automobile hoists. R. H. Gurries. 2,512,795, June 27.
Attachment for vehicle seats. L. Crane. 2,505,463, Apr. 25.
Attachment for vehicle wheels, Antiskid. S. Maas. 2,503,399, Apr. 11.
Attachment for vehicles, Grain loader. W. J. Giese. 2,517,300, Aug 1.
Attachment for vehicles, Reversing. E. B. Wagner. 2,502,356, Mar. 28.
Attachment for vehicles, Sleeping. F. Hairston. 2,506,870, May 9.
Attachment for Venetian blinds, Clip. J. Seagaard. 2,513,895, July 4.
Attachment for vessels, Ice breaking. M. Collier. 2,517,978, Aug. 8.
Attachment for weed control, Spraying. G. L. White. 2,501,555, Mar. 21.
Attachment for wheel chairs, Motor. S. Duke. 2,495,573, Jan. 24.
Attachment for wheeled vehicles, Runner. G. J. Golubics. 2,523,950, Sept. 26.
Attachment for wheels. T. Koniskey. 2,493,879, Jan. 10.
Attachment for worktables, Platform. G. Greenberg. 2,499,062, Feb. 28.
Attachment for wrench handles, Snapper. R. Craig. 2,530,863, Nov. 21.
Attachment for X-ray machines, Cone. F. P. Cerniglia. 2,509,808, May 30.
Attachment means for hopper boxes. J. P. Foster. 2,500,064, Mar. 7.
Attachment unit for acetylene torches. N. H. Christenson. 2,524,098, Oct. 3.
Attachments for micrometers, Lengthening. E. F. Vobeda. 2,498,969, Feb. 28.
Attenuating apparatus for high-frequency energy. J. V. Hupcey. 2,515,228, July 18.
Attenuating device, Electric. B. Secker. 2,524,857, Oct. 10.
Attenuating device, High-frequency. W. W. Hansen. 2,514,544, July 11.
Attenuation control circuit. G. B. Loper. 2,508,677, May 23.
Attenuator, Broad band. J. J. Mahoney, Jr. 2,511,645, June 13.
Attenuator, Coaxial line. E. L. Chatterton and J. G. Mooring. 2,521,828, Sept. 12.
Attenuator, Electric. A. C. Bowyer-Lowe and E. R. Peach. 2,493,653, Jan. 3.
Attenuator for amplitude modulation of radio waves, Wave-guide. E. M. Lyman. 2,505,557, Apr. 25.
Attenuator for high-frequency electric signaling systems. K. E. Latimer. 2,525,554, Oct. 10.
Attenuator, Metal film. E. Weber and J. W. E. Griemsmann. 2,529,436, Nov. 7.
Attenuator, Straight-line. A. C. Davis. 2,517,180, Aug. 1.
Attenuator, Variable. E. Weber and J. W. E. Griemsmann. 2,510,613, June 6.
Attenuator, Variable. E. Weber and S. A. Johnson. 2,510,614, June 6.
Attenuator with plug in or out elements, Rotatable vane type. A. E. Bowen. 2,531,194, Nov. 21.
Attitude indicator. G. C. Draper. 2,515,199, July 18.
Audience-reaction analyzing system. P. Schwerin. 2,529,519, Nov. 14.
Audio controlled limiter. D. L. Hings. 2,533,803, Dec. 12.
Audio fatigue unit. W. A. Swank. 2,494,594, Jan. 17.
Auditory insert, Adjustable. M. B. A. Schier. 2,521,414, Sept. 5.
Auger and groover, Earth. H. W. Nissen. 2,512,808, June 27.
Auger bit head. J. McLaughlin. 2,510,751, June 6.
Auger drill. E. M. Spry. 2,504,601, Apr. 18.
Auger, Earth. F. E. Henning. 2,504,978, Apr. 25.
Auger, Ice. H. A. Coon. 2,508,230, May 16.
Augmentor for jet propulsion having more rows of turbine driving blading than driven air blading. K. Baumann. 2,505,660, Apr. 25.
Authenticating device. W. F. Friedman. 2,518,458, Aug. 15.
Authorizer. J. L. Clough. 2,521,284, Sept. 5.
Auto mirror bracket. J. L. Hopper. 2,520,365, Aug. 29.
Auto safety switch. J. D. Wilde. 2,519,167, Aug. 15.
Auto window garnish mold cover. H. F. Strickland. 2,504,234, Apr. 18.
Autoclave. E. R. Schipanski. 2,526,974, Oct. 24.
Autofocusing enlarger. A. Ludwig. 2,529,507, Nov. 14.
Automatic adjustable torque wrench. M. A. Barker, H. J. Finch, and A. J. Rooks. 2,527,517, Oct. 31.
Automatic air valve. F. Ziganek. 2,518,653, Aug. 15.
Automatic apparatus for drying noodles and similar dough products by means of a cycle comprising progressive recovery and rest phases. L. Bettini. 2,531,870, Nov. 28.
Automatic blanking-level control for television receivers. J. L. Blayney. 2,521,146, Sept. 5.
Automatic brake for spring-tensioned take-up reels. A. Meletti. 2,521,178, Sept. 5.
Automatic cabinet. J. F. Jess. 2,506,086, May 2.
Automatic cigarette case. P. Isaac. 2,512,207, June 20.
Automatic clutch. W. V. Thelander. 2,513,378, July 4.
Automatic clutch. L. D. Thostenson. 2,521,884, Sept. 12.
Automatic control for booster relay on electric vehicles. H. H. Wentworth and J. M. Jeffrey. 2,525,507, Oct. 10.
Automatic control for burst firing. C. A. S. Teece. 2,532,794, Dec. 5.
Automatic control for inverted transfer molding presses. G. B. Sayre. 2,522,134, Sept. 12.
Automatic control for mixing valves. L. D. Bizak. 2,523,493, Sept. 26
Automatic control for the freezing of ice cream. A. J. Tacchella. 2,522,648, Sept. 19.
Automatic control system using nonlinear responsive elements. E. T. Davis. 2,531,200, Nov. 21.
Automatic control switch. C. W. Kuhn. 2,530,305, Nov. 14.
Automatic device for controlling circuits for internal-combustion engines. W. L. Wright. 2,510,789, June 6.
Automatic die. R. R. Finn. 2,501,601, Mar. 21.

Automatic door. R. Everitt. 2,531,119, Nov. 21.
Automatic drain trap. F. J. Rodwell. 2,531,991, Nov. 28.
Automatic drain valve. B. S. Aikman. 2,508,132, May 16.
Automatic drain valve. W. H. Stout and J. B. Terrill, Jr. 2,512,694, June 27.
Automatic electric switch. P. Prather. 2,503,632, Apr. 11.
Automatic exposure control system in a motion-picture camera. K. Rath. 2,518,717, Aug. 15.
Automatic feeder. K. F. Richards. 2,518,375, Aug. 8.
Automatic fire alarm switch. C. A. Holzmacher. 2,507,715, May 16.
Automatic firearm breech bolt lock. H. Lippert and E. Mühlemann. 2,512,027, June 20.
Automatic focus adjusting means for cameras. R. C. Mercer. 2,522,631, Sept. 19.
Automatic gain control system. J. A. Burnot. 2,503,900, Apr. 11.
Automatic gate. R. I. C. Hale. 2,527,129, Oct. 24.
Automatic gate. J. E. Neal. 2,513,887, July 4.
Automatic gauge valve. E. M. Greer and D. A. Stark. 2,498,366, Feb. 21.
Automatic hoist lock and hoist control. R. V. Danielson. 2,522,166, Sept. 12.
Automatic ice cube producing and storing apparatus. C. F. Munshower. 2,526,262, Oct. 17.
Automatic inverse feedback method and means for correcting response characteristic of phototube circuits. N. R. Gunderson. 2,534,668, Dec. 19.
Automatic liquid container. D. B. Tolley. 2,509,375, May 30.
Automatic locking ammunition container. G. W. Baumwart. 2,506,409, May 2.
Automatic machine tool. W. S. Pearson. 2,518,813, Aug. 15.
Automatic mold clamp. M. H. Kalina. 2,515,654, July 18.
Automatic open center six port control valve. L. M. Chattler. 2,530,377, Nov. 21.
Automatic paraffin cutter. W. A. Gould. 2,509,492, May 30.
Automatic pet feeder. F. A. Hedwall and E. Meyer. 2,534,444, Dec. 19.
Automatic pilot burner. M. J. Caparone. 2,524,622, Oct. 3.
Automatic positive stop and dwell arrangement for machine tools. B. R. Granberg and B. T. Anderson. 2,519,042, Aug. 15.
Automatic railroad track gauge. L. A. Frank. 2,507,896, May 16.
Automatic range tracking and memory circuit. W. J. Tull and W. Proctor. 2,516,356, July 25.
Automatic relief valve. R. C. Jiménez. 2,519,578, Aug. 22.
Automatic repeating animal trap. L. C. Almond, Sr. 2,534,750, Dec. 19.
Automatic restriction valve. E. Saballus. 2,509,456, May 30.
Automatic return flow control valve. H. E. La Bour. 2,532,067, Nov. 28.
Automatic rotary drill pipe holder. S. T. Tisdale. 2,535,464, Dec. 26.
Automatic safety air valve coupling. W. Knopp. 2,535,740, Dec. 26.
Automatic safety shut-off valve. E. T. Kalen and F. B. Scofield. 2,515,516, July 18.
Automatic screen door hook. J. E. Tomlinson. 2,526,979, Oct. 24.
Automatic shakeout machine for flask type molds. W. L. Woody and B. E. Gavin, Sr. 2,525,572, Oct. 10.
Automatic shutoff valve. A. V. B. Candler. 2,496,518, Feb. 7.
Automatic shutoff valve. E. A. Dunn. 2,528,822, Nov. 7.
Automatic shutoff valve. E. C. Hart. 2,513,862, July 4.
Automatic space drier. J. W. Case. 2,506,578, May 9.
Automatic sprinkler valve. H. N. Rider. 2,506,468, May 2.
Automatic starter switch. A. Brooke and W. Naumann. 2,510,460, June 6.
Automatic station indicator. L. D. Cozart. 2,502,829, Apr. 4.
Automatic station selecting and tuning device for radio receivers and the like. J. Lolli and G. Papitto. 2,501,472, Mar. 21.
Automatic switch. A. C. Reid and H. P. Boswau. 2,512,261, June 20.
Automatic tablet counting and bottle filling machine. G. V. Cremieux. 2,523,098, Sept. 12.
Automatic temperature control electric circuit. E. Kolisch. 2,526,566, Oct. 17.
Automatic temperature regulator. F. Dibert. 2,527,622, Oct. 31.
Automatic toggle actuated grip wrench. N. C. Thayer. 2,499,201, Feb. 28.
Automatic trailer brake. E. T. Roberts. 2,497,016, Feb. 7.
Automatic trailer brake. D. T. Ruppe. 2,502,889, Apr. 4.
Automatic transmission gear box. H. G. Kirkpatrick. 2,534,134, Dec. 12.
Automatic tuning control circuit. M. G. Nicholson, Jr. 2,501,575, Mar. 21.
Automatic tuning of high-frequency electrical seaming apparatus. R. A. Hayes and W. C. Rykert. 2,522,823, Sept. 19.
Automatic two-speed fishing reel. L. B. Feierabend. 2,517,776, Aug. 8.
Automatic undercutting and grooving tool. A. A. Staat. 2,522,315, Sept. 12.
Automatic valve. E. J. Dillman. 2,534,251, Dec. 19.
Automatic valve. J. L. Dyke. 2,509,085, May 23.
Automatic valve N. L. Wicks. 2,510,488, June 6.
Automatic ventilator screen. C. A. Morten. 2,507,171, May 9.
Automatic volume control circuit. C. E. Hendricks. 2,528,885, Nov. 7.
Automatic volume control circuit. W. J. O'Brien. 2,527,441, Oct. 24.
Automatic volume control filter circuit. S. W. Lichtman. 2,505,777, May 2.
Automatic water control switch. E. J. Sourber. 2,514,731, July 11.
Automatic yarn tension control mechanism for knitting machines. V. T. Stack. 2,516,535, July 25.
Automatically adjustable brake. H. O. Williams. 2,493,177, Jan. 3.
Automatically projected and reinforced ironing board. A. P. Lantz. 2,514,704, July 11.
Automatically reversible regulating valve. H. R. Crago. 2,495,226, Jan. 24.
Automaton. I. Nelson and L. W. Wallace. 2,528,968, Nov. 7.
Automobile accessory. T. P. Giblin. 2,518,538, Aug. 15.
Automobile accessory. J. M. and B. G. E. Stiff. 2,493,170, Jan. 3.
Automobile alignment gauge. R. D. Smith. 2,522,066, Sept. 12.
Automobile armrest protector. W. C. Rhodes. 2,501,740, Mar. 28.
Automobile body construction. T. W. Stephenson and C. W. Bugbee. 2,532,203, Nov. 28.
Automobile clothes hanger support. H. R. Mitchell. 2,493,158, Jan. 3.
Automobile dome light. K. E. Lyman. 2,534,921, Dec. 19.
Automobile door construction. E. L. Blackman. 2,535,347, Dec. 26.
Automobile door cover. A. F. Biondi. 2,532,989, Dec. 5.
Automobile glare eliminator. D. Fuller. 2,509,601, May 30.
Automobile heater. H. L. Hausladen. 2,501,512, Mar. 21.
Automobile heater. D. J. Schrum. 2,505,214, Apr. 25.
Automobile, Helicopter. F. H. Wolfe, Jr. 2,514,822, July 11.
Automobile map holder. F. R. Good. 2,503,550, Apr. 11.
Automobile rack. C. G. Newland. 2,520,051, Aug. 22.
Automobile seat. M. Stubnitz. 2,535,463, Dec. 26.
Automobile servicing system and means. E. L. Cody. 2,511,316, June 13.
Automobile skid chain. S. Iandiorio. 2,514,243, July 4.
Automobile sun protector. O. A. Gray. 2,508,757, May 23.
Automobile support. J. and A. Borzell. 2,524,955, Oct. 10.
Automobile tool. W. H. Gaines. 2,496,528, Feb. 7.
Automobile trunk lock. W. A. Summey. 2,510,201, June 6.
Automobile vehicle. M. A. C. Alamagny. 2,533,752, Dec. 12.
Automobile water circulating heater. H. Stein. 2,508,729, May 23.
Automobile water heater. R. Ladue. 2,508,721, May 23.
Auxiliary air admission device for internal-combustion engines. R. H. Shively. 2,518,082, Aug. 8.
Auxiliary belt shifting device. M. Wachsman. 2,502,768, Apr. 4.
Auxiliary collapsible seat. G. Starr. 2,521,265, Sept. 5.
Auxiliary door lock. W. H. Brewer. 2,508,218, May 16.
Auxiliary power take-off for combustion chambers. R. H. Goddard. 2,523,010, Sept. 19.
Auxiliary raisable chair seat. R. Brousseau. 2,521,281, Sept. 5.
Auxiliary vapor generating attachment for therapeutic vapor or gas producing machines. M. Resek. 2,535,516, Dec. 26.
Averaging device. S. Darlington, C. H. Townes, and D. E. Wooldridge. 2,511,197, June 13.
Averaging indicator. S. H. Liebson. 2,508,408, May 23.
Aviation spark plug. R. K. Christie. 2,526,933, Oct. 24.
Aviation trainer. K. A. Kail. 2,510,578, June 6.
Awl or the like, Scratch. W. L. Ludwick. 2,505,332, Apr. 25.
Awning. T. W. Bradley. 2,515,588, July 18.
Awning. W. G. Brown. 2,517,281, Aug. 1.
Awning. M. V. Ring. 2,527,276, Oct. 24.
Awning. S. G. Schwartz. 2,497,419, Feb. 14.
Awning. E. M. Williams. 2,530,036, Nov. 14.
Awning and screen, Combined storm window. W. A. Bowman. 2,513,278, July 4.
Awning and shutter, Combination. L. Muhn. 2,513,042, June 27.
Awning and shutter, Combined. J. J. Morrison. 2,524,464, Oct. 3.
Awning, Automobile. H. J. Garceau. 2,502,838, Apr. 4.
Awning, Automobile. H. A. Powers. 2,506,383, May 2.

Awning, Automobile window. W. A. Bracken. 2,500,272, Mar. 14.
Awning, Boat. M. W. Barr. 2,531,836, Nov. 28.
Awning frame. B. A. Peterson. 2,511,294, June 13.
Awning, Metal. A. H. Kludjian, L. W. Barrack, T. A. Newell, and R. W. Baumgardner. 2,523,534, Sept. 26.
Awning, Metal. R. E. Mattison. 2,518,044, Aug. 8.
Awning, Metal variable shutter. R. D. Goodwin. 2,532,401, Dec. 5.
Awning of metal or similar material. C. M. Preaus and C. E. Ross. 2,500,864, Mar. 14.
Awning operator. B. E. Barnes. 2,524,508, Oct. 3.
Awning operator. C. B. Zimmerman. 2,517,270, Aug. 1.
Awning, Rigid. B. C. Stone. 2,533,846, Dec. 12.
Awning, Stationary. H. G. Jones. 2,503,492, Apr. 11.
Awning, Ventilated metal. D. H. Simpson. 2,503,136, Apr. 4.
Axe with detachable blade. E. J. Adams. 2,499,345, Mar. 7.
Axial flow impeller. F. B. Schneider. 2,503,072, Apr. 4.
Axial flow pump. B. A. Cogswell. 2,500,400, Mar. 14.
Axial operated flush tank valve. J. Kolar. 2,528,441, Oct. 31.
Axially engaging air operated clutch. G. W. Walton. 2,511,520, June 13.
Axially engaging fluid pressure brake. D. E. Austin. 2,522,809. Sept. 19.
Axially engaging opposed clutch. M. E. Foster and E. C. Yokel. 2,507,002, May 9.
Axially engaging opposed clutch. W. V. Thelander and E. M. De Coursey. 2,515,277, July 18.
Axially engaging positive clutch. S. Mandl and E. M. Pfauser. 2,530,887, Nov. 21.
Axially movable piston type hydraulic clutch. H. A. James. 2,497,993, Feb. 21.
Axle and steering assembly. Adjustable. L. W. Humes and H. M. Clark. 2,528,277, Oct. 31.
Axle, Automobile. J. Castleberry. 2,532,605, Dec. 5.
Axle construction for potato planters, Adjustable. R. R. Raney and E. L. Faust. 2,532,076, Nov. 28.
Axle construction. Tandem. W. F. Double, S. F. Armington, and R. Q. Armington. 2,510,172, June 6.
Axle, Double planetary drive. W. E. Double. 2,529,330, Nov. 7.
Axle retainer, Mine car. F. J. Bogard. 2,514,534, July 11.
Axle structure, Rocking. E. V. Laurent. 2,500,081, Mar. 7.
Axle suspension device for vehicles. A. L. Batik. 2,529,898, Nov. 14.
Axle suspension, Oscillating. R. W. Pointer. 2,493,022, Jan. 3.
Axle suspension, Resilient oscillating. R. W. Pointer. 2,493,023, Jan. 3.
Axle, Vehicle. B. H. Urschel. 2,512,186, June 20.
Axminster pile fabric. H. A. Reinhardt and C. R. Johnson. 2,509,352, May 30.
Aza trinuclear cyanine dyes. H. G. Derbyshire. 2,535,982, Dec. 12.
Azamerocyanine dyes and the preparation thereof. T. R. Thompson. 2,496,899, Feb. 7.
Azanol dyes. A. W. Anish and L. C. Hensley. 2,500,111, Mar. 7.
Azeotropic distillation of ethyl alcohol from methyl ethyl ketone. G. R. Lake and J. M. Stribley. 2,528,761, Nov. 7.
Azeotropic distillation of mesitylene from isophorone. C. S. Carlson. 2,530,325, Nov. 14.
Azeotropic mixture for use as a refrigerant. W. H. Reed. 2,511,993, June 20.
Azimuth reporting system, Synchrometric. M. Wallace. 2,499,894, Mar. 7.
Azine dyestuff images, Preparation of. W. A. Schmidt and J. A. Sprung. 2,536,010, Dec. 26.
Azo catalysts in preparation of sulfonic acids. W. H. Lockwood. 2,503,280, Apr. 11.
Azo catalysts in preparation of sulfonyl chlorides. M. L. Ernsberger and P. S. Pinkney. 2,503,253, Apr. 11.
Azo catalysts in preparation of sulfonyl chlorides. W. H. Lockwood. 2,503,279, Apr. 11.
Azo catalysts in the preparation of olefin-sulfur dioxide resins. R. A. Jacobson. 2,507,526, May 16.
Azo compounds containing carboxyl and cyano groups. J. A. Robertson. 2,520,338, Aug. 29.
Azo compounds containing fluorine. J. B. Dickey. 2,516,303, July 25.
Azo dyes. W. H. von Glahn. 2,496,255, Jan. 31.
Azo dyes. W. H. von Glahn. 2,497,246, Feb. 14.
Azo dyes formed from p-nitroanilines and 2-hydroxy-7-benzo-(c) carbazoles and their formation on the fiber. J. H. Trepagnier. 2,499,800, Mar. 7.
Azo dyestuff for dyeing animal fibers in shades of brown. H. E. Woodward. 2,532,588, Dec. 5.
Azo dyestuff images from N-acyl-N-aryl hydrazine developers, Production of. W. E. Hanford. 2,495,000, Jan. 17.
Azo dyestuff images from N-acyl-N-aryl hydrazine developers, Production of. W. E. Hanford. 2,498,418, Feb. 21.
Azo dyestuffs. C. R. Dawson and D. Wasserman. 2,496,151, Jan. 31.
Azo dyestuffs. E. Keller and F. Probst. 2,518,023, Aug. 8.
Azo dyestuffs. M. Mendoza. 2,535,312, Dec. 26.
Azo-dyestuffs. M. Schmid and H. Johner. 2,518,077, Aug. 8.
Azo-dyestuffs and making same. F. Straub, W. Hanhart, and E. Mannhart. 2,494,416, Jan. 10.
Azo dyestuffs and their manufacture, Metallizable. O. Schmid and G. Schetty. 2,494,969, Jan. 17.
Azo guanamines. J. T. Thurston and D. W. Kaiser. 2,493,703, Jan. 3.
Azo pigment and alkyd resin coating compositions containing same. J. H. Cooper. 2,508,447, May 23.
Azo pigments and coating compositions containing same. A. A. Brizzolara. 2,508,448, May 23.
Azoic pigment, Production of a light-fast. M. G. Powell. 2,517,924, Aug. 8.
Azomethine dyes. E. L. Martin. 2,518,705, Aug. 15.
BX cable connector. R. Strom. 2,535,658, Dec. 26.
Babcock test mixer. G. F. Massey. 2,520,556, Aug. 29.
Baby bath. B. J. Greenbaum. 2,499,094, Feb. 28.
Baby bath and powder board. R. W. Parker. 2,507,219, May 9.
Baby bottle container. J. O. Austin. 2,500,786, Mar. 14.
Baby buggy, Collapsible. W. F. Woods. 2,498,935, Feb. 28.
Baby carriage, Collapsible. R. G. Ossbahr and O. L. Andersson. 2,534,986, Dec. 19.
Baby carriage, Folding. H. L. Persson. 2,516,339, July 25.
Baby carrier. M. A. Kaminski. 2,496,216, Jan. 31.
Baby carrier. W. S. Kimball. 2,535,683, Dec. 26.
Baby educator. C. M. Richardson. 2,499,164, Feb. 28.
Baby food formula container. A. E. Trout. 2,519,986, Aug. 22.
Baby handling device. C. J. Gustaveson. 2,495,964–5, Jan. 31.
Baby moistureproof diaper protector. T. Malamut. 2,493,492, Jan. 3.
Baby walker. J. A. Conti. 2,497,393, Feb. 14.
Baby's automobile seat. J. A. Soltis. 2,533,527, Dec. 12.
Baby's plate holder. J. T. White. 2,497,194. Feb. 14.
Baby's sleeping bag. R. M. Langley. 2,535,936, Dec. 26.
Bacitracin, Producing. B. A. Johnson and F. L. Meleney. 2,498,165, Feb. 21.
Back and bed chair, Combination adjustable. I. C. Poskin. 2,515,261, July 18.
Backfire protective device. D. L. Miller. 2,528,160. Oct. 31.
Backflow preventer. M. Callejo. 2,512,479, June 20.
Backflow preventer. L. L. Snyder. 2,503,424, Apr. 11.
Backflow preventer valve. A. J. Kreiner. 2,516,578, July 25.
Backflow prevention valve. B. E. Ahlport. 2,498,631, Feb. 28.
Back for chairs, Vertically adjustable. C. J. J. Kuebler. 2,509,102, May 23.
Back for necktie holders. V. T. Howard. 2,501,220, Mar. 21.
Backlash eliminating mechanism. R. E. Price. 2,533,043, Dec. 5.
Backlash take-up. D. F. Linsley. 2,493,000, Jan. 3.
Backlash take-up device. A. L. Ricordel. 2,525,945, Oct. 17.
Back pressure regulator valve. C. J. Heinzelman. 2,523,826, Sept. 26.
Back rest, Adjustable. S. R. Freasier and A. W. Gressinger. 2,534,009, Dec. 12.
Back rest and bed tray, Combination. L. B. Farrell. 2,504,190, Apr. 18.
Back rest, Angularly adjustable and collapsible. H. Sack. 2,521,412, Sept. 5.
Back rest, Bed. J. E. Morgan. 2,496,592, Feb. 7.
Back rest for automobile seats, Ventilating. H. L. Bickler. 2,528,412, Oct. 31.
Back rest, Universal. S. M. Orth. 2,518,057, Aug. 8.
Backstop, Simulated bowling game. H. Bluford. 2,512,516, June 20.
Backstop, Suspension baseball. M. G. J. Hoffman. 2,521,518, Sept. 5.
Backup protection for comparator systems having faulted supply. A. Chevallier. 2,523,813, Sept. 26.
Backup trap. R. Kuskey. 2,502,158, Mar. 28.
Bacon package. H. B. Reed, F. W. Swanson, and L. Peters. 2,509,450, May 30.
Bacon, Preparing and packaging. O. C. Johnson. 2,528,832, Nov. 7.
Bacteria, Culturing. L. B. Lockwood and F. H. Stodola. 2,496,297, Feb. 7.
Bactericidal and bacteriostatic preparations comprising 2,3-diaryl indoles. J. H. Standen. 2,510,428, June 6.
Badge, Metal. F. A. McDermott. 2,517,009, Aug. 1.
Baffle and end shield assembly for dynamoelectric machines. G. D. Willits. 2,512,905, June 27.
Baffle arrangement for use with steam generating boilers, Adjustable. R. P. De Vries. 2,515,701, July 18.
Baffle construction. C. A. Dopp and E. C. Petrie. 2,524,009, Sept. 26.
Baffle packing. W. A. Costello. 2,521,692, Sept. 12.
Baffle, Tunnel-type bubble cap. G. P. Baumann and C. O. Rhys, Jr. 2,522,425, Sept. 12.
Baffled time delay mercury switch. J. W. Campbell. 2,527,298, Oct. 24.
Baffles between mixing and combustion chambers, Liquid cooled. R. H. Goddard. 2,532,709, Dec. 5.

Bag: *See*—
Beach bag.
Collapsible shopping bag.
Colostomy bag.
Combination pouch shopping bag.
Flexible game bag.
Freezing and cooking bag.
Garment bag.
Golf bag.
Heat-resistant tire curing bag.
Parcel bag.
Produce picker's bag.
Sectional self-supporting golf bag.
Selective sectional money bag.
Shoe bag.
Shopping bag.
Sleeping bag.
Toy punching bag.
Utility bag.
Valve bag.

Bag. E. Schjelderup. 2,515,316, July 18.
Bag and apron, Convertible. R. K. Peek. 2,534,473, Dec. 19.
Bag and blanket, Combination sleeping. J. J. Turco. 2,504,761, Apr. 18.
Bag and making the same. E. S. Kardon. 2,496,796, Feb. 7.
Bag and producing the same, Glued. C. K. Billeb. 2,509,125, May 23.
Bag body, Duplex. A. S. Roper. 2,502,481, Apr. 4.
Bag-closing apparatus. J. E. Ashe. 2,514,620, July 11.
Bag closure. R. A. Port. 2,527,073–4, Oct. 24.
Bag combined with removable and continuously self-righting cosmetic tray, Traveling. J. L. Overton. 2,529,569, Nov. 14.
Bag feed mechanism. R. Althoff. 2,512,048, June 20.
Bag-filling or packing machine. J. E. Socke and L. H. Weber. 2,524,846, Oct. 10.
Bag for liquids, Self-cooling. W. L. Hicks. 2,504,124, Apr. 18.
Bag for paintbrushes and the like, Storage. G. Merryweather. 2,533,829, Dec. 12.
Bag for suction cleaners, Dust collecting. J. H. Nuffer. 2,532,933, Dec. 5.
Bag handle feeding machine. I. A. Williams. 2,534,893, Dec. 19.
Bag holder. R. R. Norwood. 2,505,301, Apr. 25.
Bag holder. M. N. Ward. 2,521,029, Sept. 5.
Bag holding and dispensing rack. C. L. Greer. 2,513,474, July 4.
Bag or similar article support, Knockdown. R. L. Mannix. 2,503,118, Apr. 4.
Bag filling and weighing apparatus. H. J. Zenke and E. E. Arnold. 2,517,954, Aug. 8.
Bag for dusting molds, Pounce. G. E. F. Saum. 2,520,343, Aug. 29.
Bag machine and method. F. T. Robinson. 2,521,187, Sept. 5.
Bag, seat, and back rest, Combined. J. B. Stier. 2,509,537, May 30.
Bag supporting and closing mechanism having slidably mounted pronged holding rollers. W. W. Windle. 2,503,184, Apr. 4.
Bag valve. E. E. Burroughs. 2,528,419, Oct. 31.
Bag with cover, Base. J. Josselson. 2,494,511, Jan. 10.
Bag with extensile sealed liner. E. B. Hoppe. 2,493,348, Jan. 3.
Bag with extensile sealed liner and making same. E. B. Hoppe. 2,493,349, Jan. 3.
Bag with sealing closure, Therapeutic. C. W. Leguillon and C. P. Krupp. 2,495,114, Jan. 17.
Baggage set for automobile trunks. H. J. Kossow. 2,497,173, Feb. 14.
Bagging and weighing device. J. B. Legrow. 2,524,391, Oct. 3.
Bagging machine. W. W. Windle. 2,503,183, Apr. 4.
Bagging machine, Garment. J. R. Zaloudek. 2,521,197, Sept. 5.
Bagging machine with horizontally swingable bag spreading fingers. C. D. Hughes. 2,507,905, May 16.
Bagging machine with pivotally mounted garment supporter and latch means therefor, Garment. L. M. Jensen. 2,532,232, Nov. 28.
Bagging machine with trough leading to an apertured rotatable plate having bag spreading means. E. D. Austin. 2,523,673, Sept. 26.
Bagmaking machine. H. L. Reitzes. 2,532,784, Dec. 5.
Bags. Making rectangular flat. L. L. Salfisberg. 2,496,753, Feb. 7.
Bags, Manufacturing garment. B. A. Levitt. 2,524,982, Oct. 10.
Bags, Method and mold for making elastic. L. Ruhland. 2,509,531, May 30.
Bail for cans. T. J. Gorman, Jr. 2,535,676, Dec. 26.
Bailer, Self-dumping. F. E. Bell. 2,523,608, Sept. 26.
Bailer, Suction. E. L. Condra. 2,508,746, May 23.
Bait and dead bait tackle for fishing, Dead. E. A. Waterton. 2,511,186, June 13.
Bait, Artificial. A. W. Nikander. 2,502,879, Apr. 4.
Bait, Artificial. C. R. Pugh. 2,517,925, Aug. 8.
Bait, Artificial. R. O. Rhodes. 2,494,407, Jan. 10.
Bait, Artificial. H. H. Walker. 2,500,477, Mar. 14.
Bait, Artificial. H. M. Wood. 2,511,138, June 13.
Bait, Artificial casting. M. Stranak. 2,505,922, May 2.
Bait box. E. L. Benson, H. G. Young, and R. B. Hunt. 2,535,256, Dec. 26.
Bait casting device. L. S. Behrens. 2,529,901, Nov. 14.
Bait casting reel. J. Frisk. 2,501,039, Mar. 21.
Bait casting reel. R. R. Killan. 2,520,552, Aug. 29.
Bait container. R. Kranitz. 2,503,276, Apr. 11.
Bait-fish holder. W. V. Bell. 2,518,593, Aug. 15.
Bait, Weedless fish. R. L. Keeler. 2,518,238, Aug. 8.
Baiting machine. D. M. Andrist. 2,511,828, June 20.
Baiting machine. D. M. Andrist. 2,518,590, Aug. 15.
Bake pan cover. J. Kollman. 2,517,682, Aug. 8.
Baker, Egg. C. M. Osterheld. 2,518,566, Aug. 15.
Baker's dump table. A. K. Jordan. 2,500,361, Mar. 14.
Baking. R. L. Nafziger. 2,495,469, Jan. 24.
Baking powder, Pyrophosphate. W. E. Barch. 2,532,281, Dec. 5.
Baking unit. J. F. Cavanagh. 2,520,997, Sept. 5.
Balance and hairspring timepiece regulator. F. Marti. 2,500,557, Mar. 14.
Balance assembly for propeller blades. F. A. Gruetjen. 2,494,756, Jan. 17.
Balance weight. L. Olbrys. 2,529,099, Nov. 7.
Balance weight positioner. F. A. Gruetjen. 2,532,225, Nov. 28.
Balanced control valve. E. A. Rockwell. 2,505,578, Apr. 25.
Balanced-diaphragm dynamometer torque indicator. C. S. Moore, F. Voss, and A. E. Biermann. 2,493,012, Jan. 3.
Balanced door. E. Peremi and H. Weimann. 2,530,263, Nov. 14.
Balanced fluid clutch. A. D. Robbins. 2,531,744, Nov. 28.
Balanced modulation. T. T. N. Bucher. 2,499,568, Mar. 7.
Balanced thrust swivel joint. M. R. Jones. 2,532,669, Dec. 5.
Balanced valve. J. A. Jensen. 2,516,996, Aug. 1.
Balanced wheel mounting. A. M. Drake. 2,518,226, Aug. 8.
Balancer, Crankshaft. E. McMaster. 2,494,569, Jan. 17.
Balancer, Wheel. E. N. Forster. 2,522,260, Sept. 12.
Balancing apparatus. H. Hart. 2,512,231, June 20.
Balancing centrifugal drying and washing machine. J. G. De Remer. 2,533,722, Dec. 12.
Balancing means for motor vehicle wheels. L. V. Jacobsen and G. G. Go Sline. 2,522,039, Sept. 12.
Balancing means for rotating wing. H. T. Avery. 2,531,598, Nov. 28.
Balancing means for tail gate elevators. F. A. Novotney. 2,525,424, Oct. 10.
Balancing mechanism, Dynamic. A. H. Dall and W. Schroeder. 2,507,558, May 16.
Balancing of rotatable bodies. J. G. De Remer. 2,525,781, Oct. 17.
Balancing system for cleaning machine cylinders, Automatic. L. M. Kahn and E. Ellner. 2,534,269, Dec. 19.
Balancing system for vehicle bodies, Hydraulic. R. A. Poage. 2,505,256, Apr. 25.
Balancing the axial thrust of elastic fluid compressors and turbines of the axial flow type. F. E. O. Östmar. 2,530,477, Nov. 21.
Bale carrier. H. C. Doherty. 2,520,458, Aug. 29.
Bale regulator. R. F. Adkisson. 2,516,742, July 25.
Baled hay separator. O. W. Inskeep. 2,518,237, Aug. 8.
Baler. W. W. Tranter, E. M. Asbridge, and H. C. Hollinger. 2,513,690, July 4.
Baler. W. Vutz. 2,497,641, Feb. 14.
Baler and venting means. S. D. Russell. 2,532,947, Dec. 5.
Baler construction. L. H. Kaupke and R. R. Raney. 2,517,439, Aug. 1.
Baler mechanism. W. Vutz and L. H. Bruggeman. 2,498,319, Feb. 21.
Baler tension, Automatic. G. L. Burkett. 2,494,033, Jan. 10.
Baling mechanism, Automatic. G. B. Hill and J. R. West. 2,512,896, June 27.
Baling press. O. T. Quinn, Sr. 2,503,354, Apr. 11.
Baling press tailboard. F. D. Janes and J. R. West. 2,529,842, Nov. 14.
Ball. H. P. Emmitt. 2,521,703, Sept. 12.
Ball and roller bearing. C. A. Ablett. 2,528,987, Nov. 7.
Ball and socket assembly. W. A. Flumerfelt. 2,516,688, July 25.
Ball and socket type support. A. Kruczek. 2,513,027, June 27.
Ball bearing. T. F. Schlicksupp. 2,516,486, July 25.
Ball bearing. J. L. Tarbutton. 2,523,238, Sept. 19.
Ball bearing for linear motion. J. B. Thomson. 2,503,009, Apr. 4.
Ball bearing for linear motion. J. B. Thomson 2,509,749, May 30.
Ball-bearing wheel. J. R. Ristow. 2,510,659, June 6.
Ball, Bowling span measuring. C. S. Collins. 2,503,324, Apr. 11.
Ball bumper. G. R. Benak. 2,501,021, Mar. 21.
Ball catcher and thrower. W. L. Berry. 2,505,090, Apr. 25.
Ball deflecting device. E. H. Hughes. 2,507,716, May 16.
Ball feeder. J. R. Creely. 2,528,341, Oct. 31.
Ball game apparatus, Electrical. J. M. Hobbs. 2,531,979, Nov. 28.
Ball game employing a cube containing a pair of dice. J. R. Brown. 2,528,029, Oct. 31.
Ball, Inflatable game. W. T. Brown. 2,494,796, Jan. 17.
Ball, Inflated. F. W. Gibson. 2,494,806, Jan. 17.
Ball joint. J. H. Booth. 2,494,739, Jan. 17.
Ball joint. J. H. Booth. 2,507,087, May 9.

Ball mill and vapor condenser. L. M. Shafer. 2,511,742, June 13.
Ball mill with flexible wall and impact means to receive material from the flexed wall, Vertical axis. H. H. Talboys. 2,516,161, July 25.
Ball operator, Flush tank. G. R. Driskill. 2,524,897, Oct. 10.
Ball plant container. R. E. Acker and P. A. Nemoede. 2,507,080, May 9.
Ball, Play and exercising. J. P. Hayes. 2,500,073, Mar. 7.
Ball projecting machine. T. R. Foster and E. J. Foster. 2,526,018, Oct. 17.
Ball, rattle, and mirror for infants, Combination. T. Foy. 2,499,483, Mar. 7.
Ball release mechanism for measuring instruments. J. L. Rawlings. 2,533,896, Dec. 12.
Ball retarder for bowling alleys. E. Hedenskoog. 2,505,963, May 2.
Ball return means for pin games, Pivotal. J. C. Koci. 2,520,283, Aug. 29.
Ball return means for pool tables. F. G. Holmes. 2,534,770, Dec. 19.
Ball stop for bowling alleys. R. I. Anderson. 2,505,932, May 2.
Ball stud retainer, Safety-type. P. Nelson. 2,523,321, Sept. 26.
Ball stuffing machine with a pair of ball enclosing separable members having latching means releasable by predetermined pressure of stuffing within ball. W. D. Young. 2,523,176, Sept. 19.
Ball, Tank flush. W. B. Zern. 2,535,885, Dec. 26.
Ball tumbler type cylinder lock. G. W. Garniss. 2,525,344, Oct. 10.
Ballast construction. A. E. Feinberg. 2,509,186, May 23.
Ballast, Fluorescent. E. E. Turner, Jr. 2,515,676, July 18.
Ballast removing machine. R. S. Kniffen, J. P. Farnam, and W. F. Woolery. 2,527,637, Oct. 31.
Ballast removing machine. D. M. Praytor and K. Kershaw. 2,534,880, Dec. 19.
Ballast unit. E. L. Sutter. 2,514,015, July 4.
Balloon, Constant-level. L. W. Isom. 2,524,567, Oct. 3.
Balloon construction. O. C. Winzen. 2,526,719, Oct. 24.
Balloon, Dipped. B. L. Morr, C. A. Butts, and E. H. Walters. 2,515,727, July 18.
Balloon envelope fabric. R. Leboime and H. Jacqueau. 2,523,312, Sept. 26.
Balloon, Jet-propelled spinning. J. Kennedy. 2,524,059, Oct. 3.
Balloon load release. R. I. Hakomaki. 2,534,866, Dec. 19.
Balls, Making reinforced. F. T. Roberts. 2,519,069, Aug. 15.
Bamboo rods or poles, Making split. W. D. Jordan. 2,532,814, Dec. 5.
Bananas, Preserved. P. R. Foote. 2,507,564, May 16.
Band, Clamping. F. D. Banning. 2,521,962, Sept. 12.
Band cleaning mechanism for continuous vulcanizing machines. G. D. Marcy. 2,516,636, July 25.
Band, Ear muff. I. Goldman. 2,504,826, Apr. 18.
Band, Extensible. M. Cowan. 2,513,288, July 4.
Band, Flexible and expansible. G. G. Bergh. 2,521,144, Sept. 5.
Band for fowl, Leg. W. L. White. 2,499,552, Mar. 7
Band or bracelet, Expansible. L. E. Valcourt. 2,518,507, Aug. 15.
Band-pass filter. P. S. Carter. 2,532,993, Dec. 5.
Band-pass input circuit. E. J. H. Bussard. 2,511,327, June 13.
Bandspread tuning circuit. C. F. Weiland. 2,507,582, May 16.
Band track, Endless. P. G. Hagenbuch and R. I. Strickland. 2,516,115, July 25.
Band type clutch. J. M. Dodwell. 2,518,453, Aug. 15.
Band, Wrist watch. J. G. Flatau. 2,511,333, June 13.
Band, Wrist watch. L. L. Gilcrease. 2,521,290, Sept. 5.
Band, Wrist watch. A. D. Johnston. 2,521,375, Sept. 5.
Band, Wrist watch. B. D. Pile. 2,513,892, July 4.
Bandage. M. S. Whinery. 2,531,757, Nov. 28.
Bandage, Rectal. S. J. Cahill. 2,512,713, June 27.
Bandage, Tubular. W. M. Scholl. 2,522,842. Sept. 19.
Banding machine. J. J. Probaska. 2,527,330, Oct. 24.
Bank, Actuated elephant. J. A. Rudolf. 2,526,612, Oct. 17.
Bank compressing apparatus. E. L. Malhiot. 2,526,378, Oct. 17.
Bank for automatic telephone systems, Selector. H. Harvey. 2,523,622, Sept. 26.
Bank, Musical. R. H. Edwards. 2,505,389, Apr. 25.
Bar: *See*—

Anchor bar.	Saw proof grating bar.
Built-in automobile refreshment bar.	Simulated log serving bar.
Calisthenic bar.	Sine bar.
Combined soap and synthetic detergent bar.	Soap bar.
Facsimile recorder printer bar.	Spectacle sweat bar.
Glazing bar.	Spring bar.
Hand bar.	Tow bar.
Military ribbon bar.	Towel bar.
Mine car coupling bar.	Trammel bar.
Orthopedic bar.	Wall cabinet hanger bar.
	Wrecking bar.
	Wrist watch spring bar.

Bar and making same, Commutator. P. R. Blair. 2,519,626, Aug. 22.
Bar assembly, Broach. N. H. Iversen. 2,516,518, July 25.
Bar attachment, Sickle. C. Van Ausdall. 2,509,114, May 23.
Bar attachment, Sine. L. McDowell. 2,511,443, June 13.
Bar-bolt, Door. V. McGaffey. 2,502,503, Apr. 11.
Bar feed mechanism. H. V. Packer. 2,518,172, Aug. 8.
Bar for bathtubs, Safety. H. S. Bennett. 2,513,619–20, July 4.
Bar for bicycles, Scuff. H. W. Kranz. 2,513,496, July 4.
Bar for frozen foods containers. Detachable cover and service. W. S. Fredenhagen and M. S. Schmidt. 2,518,134, Aug. 8.
Bar for guitars, Thimble grip swivel. F. A. Schwartz. 2,493,698, Jan. 3.
Bar for harvesters, Cutter. N. R. Krause. 2,528,659, Nov. 7.
Bar for rimless spectacle mountings, Detachable sweat. A. Hurst. 2,516,701, July 25.
Bar for tires, Lock ring safety. H. B. Gilpatrick. 2,498,412, Feb. 21.
Bar for vending machines, Operating. C. Gabrielsen. 2,494,805. Jan. 17.
Bar mill. E. T. Peterson. 2,528,075, Oct. 31.
Bar relay. K. W. Graybill. 2,515,769, July 18.
Bar stock machine, Automatic. E. J. Robichaud. 2,534,993, Dec. 19.
Bar structure, Removable towel. M. A. Crozier. 2,501,317, Mar. 21.
Bar supporting construction for warp knitting machines, Guide. H. C. Noe. 2,515,253, July 18.
Bar suspension apparatus, Resonant. P. H. Rowe. 2,516,725, July 25.
Bar with adjustable work engaging studs, Bending. C. M. Le Masters. 2,524,321, Oct. 3.
Barbecue and campfire cooking apparatus support. C. N. Hardin and B. W. Tenney. 2,522,223, Sept. 12.
Barbecue and grill. A. A. Beals. 2,506,698, May 9.
Barbecue apparatus. L. E. Boyd and A. I. Boyd. 2,507,243, May 9.
Barbecue apparatus. H. T. Warner. 2,502,685, Apr. 4.
Barbecue, Automatically rotatable. H. Leon. 2,505,976, May 2.
Barbecue, Portable. E. H. Jackson. 2,531,684, Nov. 28.
Barbecue spit structure. J. M. Huntington. 2,521,220, Sept. 5.
Barbituric acid derivatives and preparing them. W. F. Bruce, G. Mueller, J. Seifter, and J. L. Szabo. 2,494,084, Jan. 10.
Barium di-silicate phosphor. R. J. Ginther. 2,499,307, Feb. 28.
Barium titanate-stanic oxide ceramic. A. R. Rodriguez. 2,533,140, Dec. 5.
Bark-removing machine having nozzle adjustable about two spaced horizontal axes. Hydraulic type. H. E. Bukowsky. 2,508,594, May 23.
Barn cleaner. E. E. Hinz. 2,509,097, May 23.
Barn cleaner and loading machine. F. E. McCann. 2,529,954, Nov. 14.
Barn cleaning apparatus. C. Matthews and H. M. Wenger. 2,533,676. Dec. 12.
Barn door latch. H. L. Foss. 2,529,009, Nov. 7.
Barometer. R. M. Johnston. 2,510,402. June 6.
Barometer. I. E. McCabe. 2,530,068, Nov. 14.
Barometric control of time-actuator. W. H. Kuntz. 2,525,608, Oct. 10.
Barrel charring, process and apparatus. E. E. Richards. 2,503,688, Apr. 11.
Barrel, Core. B. W. Sewell. 2,494,363, Jan. 10.
Barrel, Lens. J. Washam. 2,497,147. Feb. 14.
Barrel lifter. W. M. Rich. 2,519,067, Aug. 15.
Barrel, Metallic beer. H. S. Jandus. 2,503,339, Apr. 11.
Barrel rack. K. E. Rees. 2,505,723, Apr. 25.
Barrel stand. D. E. Meehan. 2,509,240, May 30.
Barrels and the like, Cleaning, scouring, and charring. W. R. Wilde. 2,507,685, May 16.
Barrette, Beaded. G. N. Bolinger. 2,531,024, Nov. 21.
Barricade or trestle, Road. E. L. Bell. 2,507,880, May 16.
Barrier, Safety nursery. F. D. Price. 2,511,372, June 13.
Barring mechanism for buttonhole sewing machines. A. R. Wood. 2,515,753, July 18.
Base. R. L. Dickey. 2,526,854, Oct. 24.
Base, Adjustable motor. W. J. Boyle. 2,498,392, Feb. 21.
Baseball practice apparatus. C. J. Bennett, C. T. Christie, and P. J. Cuddyre, Jr. 2,527,906, Oct. 31.
Base, Display stand. J. E. Culver. 2,517,467, Aug. 1.
Base, Electric lamp. G. E. Reinker. 2,504,586, Apr. 18.
Base for artificial fish baits. K. R. Larson. 2,503,620, Apr. 11.
Base for printing plates and manufacturing same. M. Fretz. 2,518,876, Aug. 15.
Base for water-cooled transmitter tubes, Mounting. G. L. Usselman. 2,502,904, Apr. 4.
Base member for electron discharge tubes. G. N. Phelps. 2,498,378, Feb. 21.
Base, Plastic mold. W. Kosobud. 2,511,350, June 13.
Base structure for heating apparatus. B. D. Figg. 2,508,818, May 23.
Base, Swivel. W. V. Critchfield. 2,494,230, Jan. 10.
Bass viol stand. J. Miller. 2,502,229. Mar. 28.
Basic chromic chloride, Production of a. R. K. Iler. 2,524,803, Oct. 10.

Basic fluorenyl ketones and carbinols and the production thereof. J. W. Cusic. 2,527,798, Oct. 31.
Basin for drains, Valved catch. J. Van Oss. 2,504,474, Apr. 18.
Basin installation, Wash. H. A. Bunker. 2,498,940, Feb. 28.
Basket. F. Wetzel, Sr. 2,528,404, Oct. 31.
Basket, Aluminum lightweight. K. S. Snow. 2,527,085, Oct. 24.
Basket and shaft structure for clothes washing machines. F. Breckenridge. 2,503,433, Apr. 11.
Basket, Baby. A. A. Andersen, Jr. 2,493,181, Jan. 3.
Basketball backboard goal support. J. B. Cobb. 2,517,463, Aug. 1.
Basketball game apparatus, Simulated. P. Glickman. 2,522,782, Sept. 19.
Basket, Collapsible. S. Hack. 2,512,101, June 20.
Basket, Collapsible wire. G. Einhorn. 2,524,900, Oct. 10.
Basket, Dipping. E. Garofalo. 2,507,152, May 9.
Basket, Egg gathering. A. H. Massey and D. Q. Park. 2,530,889, Nov. 21.
Basket, Folding floral. R. M. Koch. 2,509,566, May 30.
Basket for chicken nests. O. Hill. 2,512,861, June 27.
Basket for market carriers, Folding. G. W. Concklin. 2,496,778, Feb. 7.
Basket for market carriers, Folding. G. W. Concklin. 2,501,843, Mar. 28.
Basket mounting bracket. E. F. Pawsat. 2,498,446, Feb. 21.
Basket, Rectangular splint. R. A. Garrity. 2,526,343, Oct. 17.
Basket, Weaning. L. E. Cox. 2,523,820, Sept. 26.
Basket weave chain. L. A. Williams. 2,528,567, Nov. 7.
Batch sintering machine. W. Kelsey. 2,527,311, Oct. 24.
Batch sintering plant. W. Kelsey. 2,527,310, Oct. 24.
Bath and shower supply fitting with deviator spout. E. A. Fredrickson and J. R. Turek. 2,507,467, May 9.
Bath device having a nonskid floor surface. A. C. Sandberg. 2,522,765, Sept. 19.
Bath for brass immersion coating on aluminum and aluminum alloy. A. R. Balden and L. M. Morse. 2,496,845, Feb. 7.
Bathhouse, Portable. W. P. E. Smith. 2,499,790, Mar. 7.
Bath level and temperature control. B. A. Buss and H. W. Miller. 2,520,797, Aug. 29.
Bathroom fixture mounting. A. Marchand. 2,512,209, June 20.
Bathroom lock. R. C. Clark. 2,525,340, Oct. 10.
Bath spray or like connector. G. W. Goodson. 2,507,536, May 16.
Bathtub. A. E. O'Hara. 2,529,568, Nov. 14.
Bathtub. C. J. Rodman. 2,534,147, Dec. 12.
Bathtub and producing the same. C. J. Rodman. 2,534,146, Dec. 12.
Bathtub and shower closure, Combined. N. S. Richardson. 2,508,969, May 23.
Bath tub appliance, Convertible. R. Graves. 2,528,825, Nov. 7.
Bathtub, Collapsible. M. B. Burrow. 2,504,646, Apr. 18.
Bathtub mounting. D. La Barre. 2,533,591, Dec. 12.
Bathtub, Pivoted. J. W. Davis. 2,514,848, July 11.
Bathtub protector W. J. Roach. 2,510,933, June 6.
Bathing apparatus attachment, including conveyer-supported brushes for bathtubs. W. L. Hacker. 2,521,715, Sept. 12.
Bathing apparatus, including mechanism for imparting oscillating movements to water. P. Schauffler. 2,515,667, July 18.
Bathing appliance, Baby. P. W. Douglas. 2,518,604, Aug. 15.
Bathing cap. R. T. Blesh. 2,531,318, Nov. 21.
Bathing cap. T. C. Di Giovanna. 2,533,879, Dec. 12.
Bathing cap. J. E. Feldman. 2,533,444, Dec. 12.
Bathing cap. V. H. Hurt. 2,505,359, Apr. 25.
Bathing cap. C. M. Moore. 2,520,048–9, Aug. 22.
Bathing cap. C. M. Moore. 2,524,463, Oct. 3.
Bathing device, Baby. J. R. Ward. 2,504,287, Apr. 18.
Bathing device for babies and small children. M. A. Langley. 2,505,252, Apr. 25.
Bathing device, Infant's. B. H. Kennedy. 2,514,767, July 11.
Bathing device, Infant's. D. M. Kennedy. 2,504,203, Apr. 18.
Baths for stripping vat-dyed textile materials and agents useful therein. A. A. Cook and I. Sapers. 2,525,770, Oct. 17.
Bathythermograph. W. M. Ewing and A. C. Vine. 2,515,034, July 11.
Batt. L. H. Milligan. 2,512,567, June 20.
Batt. L. H. Milligan. 2,515,416, July 18.
Batter dispenser. H. R. Laubhan. 2,496,728, Feb. 7.
Batteries, Manufacture of storage. R. A. Dally. 2,518,527, Aug. 15.
Battery, Alkaline storage. H. R. Milnes. 2,527,888, Oct. 31.
Battery and cell unit, Flat primary. A. Gelardin. 2,496,709, Feb. 7.
Battery and electrolyte therefor, Alkaline primary. I. A. Denison and P. L. Howard. 2,513,292, July 4.
Battery assembly jig. C. S. Brown. 2,516,546, July 25.
Battery carrier. H. R. Murphy. 2,510,596, June 6.
Battery charger. C. W. Dalzell. 2,496,859, Feb. 7.
Battery charger. R. C. Gilbert and L. L. Wilbrecht. 2,505,614, Apr. 25.
Battery charger. A. M. Salazar. 2,531,472, Nov. 28.
Battery charger. W. H. Yenni. 2,502,398, Mar. 28.
Battery charger, Automatic selective. C. D. Cotton, Jr., and E. F. Nichols. 2,502,249, Mar. 28.
Battery charger, Saturable reactor. C. F. Leathers. 2,523,472, Sept. 26.
Battery charger, Storage. A. B. De Salardi. 2,506,780, May 9.
Battery charging and forming apparatus. R. A. Daily, A. L. Hindall, D. G. Mahoney, B. A. Miller, and R. H. Bish. 2,528,266, Oct. 31.
Battery charging apparatus. A. J. Sorensen. 2,530,587, Nov. 21.
Battery charging method. R. L. Tichenor. 2,503,179, Apr. 4.
Battery charging system. J. H. Little and W. J. Rady. 2,498,814, Feb. 28.
Battery-charging system. M. J. Mattheyses. 2,509,239, May 30.
Battery charging system. W. J. Rady. 2,498,824, Feb. 28.
Battery charging system. A. M. Salazar. 2,509,252, May 30.
Battery-charging system including alternating current dynamo with regulator and rectifier. R. F. G. Hamilton. 2,519,650, Aug. 22.
Battery-charging table. B. L. Vibbert. 2,535,523, Dec. 26.
Battery cradle, Storage. J. C. Weaver. 2,535,975, Dec. 26.
Battery connector. C. A. Olson. 2,531,291, Nov. 21.
Battery connector. H. E. Rutherford. 2,531,162, Nov. 21.
Battery, Deferred action. M. J. Murphy. 2,529,511, Nov. 14.
Battery, Deferred action. A. Pitt. 2,534,056, Dec. 12.
Battery, Deferred-action dry. L. H. Harriss. 2,502,723, Apr. 4.
Battery depolarizer and making the same, Primary. H. E. Lawson. 2,528,891, Nov. 7.
Battery, Electric dry. G. H. Wilkinson. 2,519,527, Aug. 22.
Battery, Electric storage. G. L. Baker. 2,505,876, May 2.
Battery electrolyte level indicator. W. A. Smith. 2,534,633, Dec. 19.
Battery filler device having a puncturing element for piercing an evacuated battery enclosing can. G. B. Ellis. 2,500,169, Mar. 14.
Battery, Flat dry. O. K. Reinhardt. 2,519,053, Aug. 15.
Battery, Flat dry primary. J. M. Martinez and O. K. Reinhardt. 2,521,800, Sept. 12.
Battery, Flat primary. C. J. Krachenfels. 2,519,052, Aug. 15.
Battery, Flat primary. W. B. Woodring. 2,519,054, Aug. 15.
Battery, Heated. C. H. Endress. 2,516,048, July 18.
Battery lifter. F. E. Brown. 2,503,794, Apr. 11.
Battery lifter. J. W. Speaker. 2,503,005, Apr. 4.
Battery master switch. E. K. Irvine. 2,523,215, Sept. 19.
Battery, Nonspill storage. H. C. Riggs. 2,505,207, Apr. 25.
Battery nonspill vent plug. W. F. Donkin and C. F. Oestermeyer. 2,533,880, Dec. 12.
Battery operated fluorescent lamp. L. A. Packard, Jr. 2,511,939, June 20.
Battery pack connection. F. L. Stuck. 2,506,524, May 2.
Battery protector. J. G. Oechsner. 2,507,811, May 16.
Battery retainer with ribs, Woven synthetic resin storage. C. C. White. 2,504,608, Apr. 18.
Battery separator. C. and M. Berg. 2,514,151, July 4.
Battery separator. G. W. Vinal. 2,511,887, June 20.
Battery, Storage. A. F. Bischoff. 2,527,209, Oct. 24.
Battery, Storage. B. D. Emanuel. 2,534,582, Dec. 19.
Battery, Storage. E. L. Longaker. 2,521,924, Sept. 12.
Battery, Storage. R. M. Raney and V. J. Jones. 2,530,539, Nov. 21.
Battery, Storage. L. G. Reed. 2,511,943, June 20.
Battery, Storage. L. E. Wells. 2,516,084, July 18.
Battery support. S. Hatfield. 2,514,056, July 4.
Battery supporting means for looms. W. H. Bahan. 2,505,635, Apr. 25.
Battery system, Stand-by. J. H. Bower. 2,534,542, Dec. 19.
Battery terminal. H. E. Rutherford. 2,497,238, Feb. 14.
Battery terminal clamp. S. R. Garner. 2,527,212, Oct. 24.
Battery terminal connector. W. S. Thomas. 2,531,307, Nov. 21.
Battery Terminal connectors, Making. W. S. Thomas. 2,531,308, Nov. 21.
Battery terminal construction. H. D. Wilson. 2,512,080, June 20.
Battery, Underfired regenerative coke-oven. L. Wilputte. 2,515,814–15, July 18.
Bayonet closure and adapter therefor. S. Wise. 2,525,162, Oct. 10.
Bayonet lock. H. A. Bing and B. J. Wolfe. 2,496,928, Feb. 7.
Beach bag. R. A. Jones. 2,515,715, July 18.
Beach protector. L. Cherwin. 2,521,042, Sept. 5.
Beacon, Omnidirectional. J. D. Woodward. 2,511,030, June 13.
Beacon, Omnidirectional radio. E. N. Dingley, Jr. 2,533,229, Dec. 12.
Beacon, Radio. H. G. Busignies and P. R. Adams. 2,524,765, Oct. 10.

Beacon reception system, Homing. D. D. Grieg. 2,531,425, Nov. 28.
Beacon, Rotating field radio. C. Bourgonnier. 2,500,793, Mar. 14.
Beacon system. H. G. Busignies, P. R. Adams, and R. I. Colin. 2,510,065, June 6.
Beacon system. H. G. Busignies. 2,513,282, July 4.
Beacon system. L. Himmel. 2,509,230, May 30.
Beacon system. R. B. Reade. 2,495,766, Jan. 31.
Beacon system. H. M. Wagner. 2,505,017, Apr. 25.
Beacon system, Radio. E. N. Dingley, Jr. 2,510,964, June 13.
Beacon system, Radio. G. Guanella and W. Steinmann. 2,515,344, July 18.
Beacon system, Radio. N. Marchand. 2,531,453, Nov. 28.
Beacon system, Radio. G. Peterson and M. Ercolino. 2,528,543, Nov. 7.
Beacon system, Radio. C. G. Smith. 2,502,394, Mar. 28.
Bead and wire assemblies, Method and apparatus for the production of. J. Schmidinger. 2,529,971, Nov. 14.
Bead hydrogel and apparatus therefor, Preparation of. T. H. Milliken, Jr., and E. H. Lebeis, Jr. 2,533,278, Dec. 12.
Bead loosening tire tool. B. D. Smith. 2,511,743, June 13.
Bead setting and underply flaring device. E. E. Mallory and J. W. White. 2,500,193, Mar. 14.
Beaded welting. W. C. Vizard. 2,494,786, Jan. 17.
Beading machine. E. F. Hulbert, Sr. and E. F. Hulbert, Jr. 2,532,844, Dec. 5.
Beading strip. W. L. Martin. 2,523,223, Sept. 19.
Beads or the like, Method and apparatus for making. P. Ganzinotti. 2,498,365, Feb. 21.
Beam blanking and sweep control. G. A. Roberts. 2,498,579, Feb. 21.
Beam centering device for cathode-ray tubes. R. B. Gethmann. 2,513,929, July 4.
Beam deflection system for cathode-ray devices. G. F. Rogers. 2,517,715, Aug. 8.
Beam for trucks, Foldable trailer loading. A. S. Page. 2,506,034, May 2.
Beam forming electron discharge tube. J. L. H. Jonker. 2,499,957, Mar. 7.
Beam structure, Railway brake. H. W. Ekholm. 2,493,239, Jan. 3.
Beam structure, Railway brake. H. M. Van Sweringen. 2,508,658, May 23.
Beam suspension, Brake. W. H. Sale. 2,529,352, Nov. 7.
Beam trammel. R. Smith. 2,532,376, Dec. 5.
Beam, Warp. W. H. Levers and R. H. Baines. 2,493,151, Jan. 3.
Beam, Warp dye. H. V. Lang. 2,505,498, Apr. 25.
Beam warper. T. E. Watson. 2,515,386, July 18.
Bear claw cutter. J. C. Fennell. 2,512,202, June 20.
Bearing: *See*—
- Air lubricated thrust bearing.
- Aluminum thallium bearing.
- Antifriction ball bearing.
- Antifriction bearing.
- Antifriction roller bearing.
- Ball and roller bearing.
- Ball bearing.
- Cone bit bearing.
- Crankshaft bearing.
- Electric motor bearing.
- End thrust bearing.
- Gas-lubricated bearing.
- Hydraulic thrust bearing.
- Journal bearing.
- Laminated bearing.
- Multiple bearing.
- Plain bearing.
- Radial bearing.
- Railroad journal bearing.
- Resilient diaphragm engine bearing.
- Ring roll bearing.
- Rotary and sliding ball bearing.
- Rubber bearing.
- Sealed sleeve bearing.
- Sealed sleeve type bearing.
- Self-aligning bearing.
- Self-aligning journal bearing.
- Self-lubricating, self-aligning bearing.
- Shaft bearing.
- Shock-absorbing bearing.
- Side bearing.
- Sink dishwasher bearing.
- Sleeve bearing.
- Slipper bearing.
- Spindle bearing.
- Steering post bearing.
- Thrust bearing.
- Traveling roller and radial bearing.
- Wheel bearing.

Bearing. J. G. Burmist. 2,520,453, Aug. 29.
Bearing. J. G. Cook. 2,503,028, Apr. 4.
Bearing. J. W. Frazier and L. J. Koch. 2,520,310, Aug. 29.
Bearing. A. H. Heinrich. 2,511,260, June 13.
Bearing, A. V. Hoeffluer. 2,530,660, Nov. 21.
Bearing. A. G. M. Michell and A. J. Seggel. 2,534,788, Dec. 19.
Bearing. W. J. Parks. 2,532,327, Dec. 5.
Bearing. W. C. Phillips. 2,502,986, Apr. 4.
Bearing. J. H. Schreiber. 2,534,379, Dec. 19.
Bearing. M. A. Schultz and C. M. Skinner, Jr. 2,534,929, Dec. 19.
Bearing. R. R. Searles. 2,530,665, Nov. 21.
Bearing. A. Thibeaux. 2,514,526, July 11.
Bearing. T. H. Thompson. 2,512,185, June 20.
Bearing. A. F. Underwood and J. M. Stone. 2,532,795, Dec. 5.
Bearing. I. T. Wedin. 2,512,556, July 20.
Bearing and lubricated self-aligned stuffing box, Combined. E. A. F. Presser. 2,506,891, May 9.
Bearing and making the same. R. E. Blue. 2,498,873, Feb. 28.
Bearing and shaft assembly. J. L. Brusca. 2,523,418, Sept. 26.
Bearing and target-angle trainer, Relative. R. C. Heerdink. 2,514,392, July 11.
Bearing arrangement for rotatably supported, shell-shaped bodies. T. K. Lütolf. 2,493,886, Jan. 10.
Bearing assembly. A. L. Lee. 2,527,942, Oct. 31.
Bearing assembly. T. G. Schmeiser. 2,531,704, Nov. 28.
Bearing assembly. J. E. Shafer. 2,501,100, Mar. 21.
Bearing assembly. J. C. Stokes. 2,519,716, Aug. 22.
Bearing assembly. G. J. Strezynski. 2,513,686, July 4.
Bearing assembly. S. R. Thomas and L. A. Toth. 2,506,525, May 2.
Bearing assembly, Aligned. J. J. Grenat. 2,531,334, Nov. 21.
Bearing assembly, Frictional. A. F. Hickman. 2,527,551, Oct. 31.
Bearing assembly, Kingpin. J. C. Smiley, Jr. 2,512,881, June 27.
Bearing assembly, Marine thrust. M. H. Hingerty, Jr. 2,521,368, Sept. 5.
Bearing bush. J. G. and A. G. Sharratt. 2,523,972, Sept. 26.
Bearing case. F. O. Hennig. 2,509,039, May 23.
Bearing construction. G. D. Willits. 2,519,948, Aug. 22.
Bearing construction for hay handling devices. A. J. Synck and W. Vutz. 2,521,492, Sept. 5.
Bearing construction, Spindle. S. E. Schroeder. 2,526,049. Oct. 17.
Bearing construction, Submersible. A. J. Roubal. 2,516,918, Aug. 1.
Bearing for gas-cooled equipment, Gland-seal. R. A. Baudry and B. B. Winer. 2,501,304, Mar. 21.
Bearing for harrows. M. C. Magarian. 2,501,068, Mar. 21.
Bearing for looms, Releasable. N. P. Darash. 2,514,152, July 4.
Bearing for sickles, Dustproof. C. E. Swenson. 2,535,878, Dec. 26.
Bearing for sliding drawers, panels, and the like, Antifriction. S. A. Saniewski. 2,513,522, July 4.
Bearing for the rear wheel of a disk plow, Swivel caster. O. E. Allen. 2,518,972, Aug. 15.
Bearing for turbines and the like. F. W. W. Morley. 2,493,160, Jan. 3.
Bearing for vertical hydro-extractors. C. O. Rasmussen. 2,526,970, Oct. 24.
Bearing manufacture. J. B. Brennan. 2,517,762, Aug. 8.
Bearing mounting. M. C. Libert. 2,509,775, May 30.
Bearing mounting. C. J. Morton and T. H. Woodfield. 2,534,142, Dec. 12.
Bearing mounting. A. A. Pedu, Jr. 2,519,927, Aug. 22.
Bearing oil groove cutter. O. L. Hopper. 2,524,910. Oct. 10.
Bearing puller. I. Carlson. 2,511,044, June 13.
Bearing race for distributors, Ball aligner. J. A. McKenna 2,504,439, Apr. 18.
Bearing repeater, Radio controlled. R. J. Urick. 2,519,418, Aug. 22.
Bearing retainer. J. E. Shafer. 2,525,622, Oct. 10.
Bearing rings, Producing. H. R. Gibbons. 2,511,706, June 13.
Bearing seal. D. Firth. 2,530,052, Nov. 14.
Bearing seal. C. D. Magnesen. 2,498,739, Feb. 28.
Bearing sleeve for pump shafts. A. A. Browne. 2,499,456, Mar. 7.
Bearing structure for motor vehicles, Steering shaft. L. D. Thostenson. 2,499,937, Mar. 7.
Bearing structure, Journal. J. McMullen. 2,525,613, Oct. 10.
Bearing surface for breech bolts in automatic firearms. E. Mühlemann. 2,509,043, May 23.
Bearing wick retainer. M. E. Bennett. 2,503,021, Apr. 4.
Bearing with automatic lubricator. C. H. Scott. 2,507,579, May 16.
Bearings, Making. F. R. Hensel and J. G. Sparkes. 2,517,430, Aug. 1.
Bearings, Making. J. C. Williams. 2,503,533, Apr. 11.
Bearings, Railway bolster center. K. R. Hammerstrom. 2,501,049, Mar. 21.
Beat-up for looms. C. R. Kronoff and G. N. Peterson. 2,517,215. Aug. 1.
Beater. A. Szorenyi. 2,509,706, May 30.
Beater, Drum. M. Goldrich. 2,513,930, July 4.
Beater, Egg. J. R. Lawrence. 2,505,362, Apr. 25.
Beater ejector. W. W. Krause. 2,515,755, July 18.
Beater for combines, Down. J. P. Humphrey. 2,498,424, Feb. 21.
Beater, Rotary. W. F. Middlestadt. 2,523,319, Sept. 26.
Beater, Snap-on egg. H. C. Jones. 2,502,571, Apr. 4.
Beater topper for vegetable plants, Rotary. H. J. Agee, P. K. Cowgill, and J. D. Gordon. 2,506,054, May 2.
Beauty parlor equipment. W. Melchior and A. Kalina. 2,523,912, Sept. 26.
Bed. N. S. Blackman. 2,522,018, Sept. 12.
Bed. G. D. Lunbeck. 2,503,675, Apr. 11.
Bed, Adjustable. M. Lindquist. 2,522,759, Sept. 19.
Bed and case, Collapsible baby. C. Irving. 2,514,644, July 11.
Bed and lounge, Twin. T. S. Ziegenfuss. 2,495,494, Jan. 24.
Bed and platen hectographic address machine. A. J. Wright. 2,503,185, Apr. 4.
Bed and seat, Convertible. A. A. Hopeman, Jr., and J. A. Bohnsack. 2,496,006, Jan. 31.

Bed attachment, Hospital. T. Kluglein. 2,499,101, Feb. 28.
Bedclothes. W. F. Veit. 2,498,055, Feb. 21.
Bedclothes clamp. B. Wandel. 2,496,833, Feb. 7.
Bed, Collapsible baby. G. A. and E. T. Sole. 2,533,970, Dec. 12.
Bed construction. E. J. Sweetland. 2,523,076, Sept. 19.
Bed construction, Folding. L. B. Turner. 2,509,544, May 30.
Bed construction, Vertically adjustable. A. Widrich. 2,527,111, Oct. 24.
Bed-couch. W. F. Schorn. 2,534,300, Dec. 19.
Bed-cover clamp. N. A. Hagedorn. 2,519,131, Aug. 15.
Bedcover support. M. B. Orford. 2,524,469, Oct. 3.
Bed, crib, and the like, Collapsible. A. Pascoo. 2,493,083, Jan. 3.
Bed, dresser and davenport, Convertible. W. R. Brown. 2,532,355, Dec. 5.
Bed, Foldable. M. B. Scott. 2,534,800, Dec. 19.
Bed for vehicles, Pet. M. E. Love. 2,499,103, Feb. 28.
Bedframe, Adjustable. M. Fox. 2,523,988, Sept. 26.
Bed having shiftable frontboard, Adjustable sofa. L. Pokorny and L. Pokorny, Jr. 2,505,989, May 2.
Bed, Hydraulically operated adjustable. T. V. Cox. 2,517,466, Aug. 1.
Bed, Invalid's. M. Beem. 2,500,738–40, Mar. 14.
Bed, Invalid's. M. D. Beem. 2,500,744, Mar. 14.
Bed, Invalid's. M. D. Beem and A. J. Taylor. 2,500,743, Mar. 14.
Bed, Invalid's. A. J. Taylor. 2,500,741–2, Mar. 14.
Bed mounted for transport on an automobile. V. R. Will. 2,521,815, Sept. 12.
Bed or body support. S. W. Schenker. 2,532,425, Dec. 5.
Bed pad. D. M. Erikson. 2,501,267, Mar. 21.
Bedpan attachment. V. J. and P. Delisi. 2,533,774, Dec. 12.
Bedpan commode. W. S. Horne. 2,530,965, Nov. 21.
Bedpan pad. A. H. Ervin. 2,501,844, Mar. 28.
Bedpan vehicle. A. R. Haskins. 2,500,544, Mar. 14.
Bed, Permanent railway. G. H. Wells. 2,499,939, Mar. 7.
Bed rest, Folding. R. M. Posz. 2,529,350, Nov. 7.
Bed, Revolving. L. M. Norheim. 2,534,471, Dec. 19.
Bed, Rockable. G. Preston. 2,520,563, Aug. 29.
Bed, Sofa. R. A. Burton. 2,513,000, June 27,
Bed, Sofa. W. W. Wilson. 2,493,096, Jan. 3.
Bed, Sofa. E. E. Woller. 2,513,987, July 4.
Bedspring. C. J. Elder. 2,494,432, Jan. 10.
Bed spring. A. R. Gyles. 2,503,333, Apr. 11.
Bed structure, Twin. M. Fox. 2,523,987, Sept. 26.
Bed, Variable position. G. D. McVicker. 2,520,849, Aug. 29.

Beecomb foundation. A. V. Small. 2,494,907, Jan. 17.
Beehive. F. E. Hageman. 2,522,511, Sept. 19.
Beehive cover. W. Diehmelt. 2,498,880, Feb. 28.
Beer oxidizing and clarifying method, Continuous rapid. F. E. Gaeng. 2,510,498, June 6.
Beet topper. H. T. Bailey and L. R. Widener. 2,505,089, Apr. 25.
Bell. C. W. Garthwait and V. Turner. 2,510,569, June 6.
Bell alarm tip-up. J. F. Baulski. 2,518,517, Aug. 15.
Bell, Bar. W. V. Dantolan. 2,528,213, Oct. 31.
Bell, Bar. L. G. Dymeck. 2,508,567, May 23.
Bell device for Christmas trees and other uses, Ringing. F. L. Bronson. 2,515,439, July 18.
Bell striker, Electromagnetic. L. C. King. 2,524,320, Oct. 3.
Bell with momentum action gong striker, Electric. M. Coleman. 2,522,664, Sept. 19.
Bellows. W. C. Hasselhorn. 2,532,448, Dec. 5.
Bellows construction. G. M. Magrum. 2,506,725, May 9.
Bellows, Pressure responsive. B. Jones. 2,500,360, Mar. 14.
Belt. K. G. Custer. 2,511,330, June 13.
Belt. I R. Versoy. 2,494,216, Jan. 10.
Belt, Abdominal. P. D. Resimont. 2,518,935, Aug. 15.
Belt, Adjustable. S. Hyman. 2,498,685, Feb. 28.
Belt, Apparel. G. N. Bolinger. 2,499,717, Mar. 7.
Belt buckle. A. Biery. 2,529,906, Nov. 14.
Belt cleaner. J. P. De Witt and J. O. Butler. 2,529,003, Nov. 7.
Belt construction, Hernia. L. Zaras. 2,527,205, Oct. 24.
Belt, Conveyer. G. G. Grigsby. 2,511,581, June 13.
Belt conveyer cleaner. E. M. Glass. 2,525,348, Oct. 10.
Belt conveyer drive, Endless. G. R. Dale. 2,528,865, Nov. 7.
Belt coupling. E. E. Brunner. 2,496,695, Feb. 7.
Belt cutoff and handling machine. W. J. Pugh. 2,525,509, Oct. 10.
Belt disconnect, Single-action safety. J. R. Sabbia. 2,494,207, Jan. 10.
Belt, Double cog. D. L. Waugh. 2,514,429, July 11.
Belt drive assembly. C. C. Lindsay. 2,534,041, Dec. 12.
Belt drive assembly. C. I. Place. 2,534,679, Dec. 19.
Belt drive for machine tools. O. D. Smith. 2,509,458, May 30.
Belt-elevator overload throwout clutch. R. Fuchs. 2,529,011, Nov. 7.
Belt-forming device. A. L. Owens. 2,530,988, Nov. 21.
Belt guide and tensioning device. R. F. Berndt. 2,532,987, Dec. 5.
Belt, Impervious spring-enclosing. B. F. Pease, Jr. 2,494,262, Jan. 10.
Belt installing tool. C. G. Simmons and J. H. Armstrong. 2,505,216, Apr. 25.
Beltmaking machine, Automatic. J. Raggi. 2,508,191, May 16.
Belt, Mechanical. R. D. Gartrell, W. D. Carroll, and A. W. Hansen. 2,505,354, Apr. 25.
Belt positioner, Automatic. W. L. Sullivan and F. G. Wilde. 2,499,934, Mar. 7.
Belt, Power transmitting. J. J. Bloomfield. 2,526,324, Oct. 17.
Belt punching device. F. T. Melberg. 2,528,282, Oct. 31.
Belt rack. H. Friedman. 2,527,879, Oct. 31.
Belt, Safety. E. E. Almy. 2,514,984, July 11.
Belt, Safety. R. B. Cotton. 2,521,203, Sept. 5.
Belt, Sportsman's shell. J. A. Garver. 2,528,648, Nov. 7.
Belt structure. G. W. Delano. 2,493,447, Jan. 3.
Belt, Support. M. Rishcoff. 2,514,796, July 11.
Belt tensioning device, Automatic. R. Ruemelin. 2,511,445, June 13.
Belt tightener. A. L. Vandergriff. 2,513,436, July 4.
Belt with secret pocket, Apparel. S. Knee. 2,503,157, Apr. 4.
Belting. G. A. Sowerby and W. S. Short. 2,520,699, Aug. 29.
Belting fabric and process. J. B. Sidebotham. 2,531,082, Nov. 21.
Belting, Making conveyer. T. M. Knowland. 2,515,778, July 18.
Bench, Agricultural. R. E. Wilcox and H. H. Asperger, Sr. 2,502,910, Apr. 4.
Bench and mirror, Vanity. K. R. Johnson. 2,531,217, Nov. 21.
Bench bed, Greenhouse. N. F. Young. 2,524,246, Oct. 3.
Bench dog, Slidably and tiltably adjustable. C. K. Lush. 2,498,892, Feb. 28.
Bench, Foldable. A. Wessig. 2,527,902, Oct. 31.
Bench, Folding. A. J. Sturm. 2,493,273, Jan. 3.
Bench having back rest convertible to table top, Folding. R. H. Zimmerman, J. M. Gordon and F. C. Thompson. 2,509,556, May 30.
Bendable film spool signal. K. A. Hendel. 2,503,734, Apr. 11.
Bender and straightener, Pipe. C. Hightower and H. Springett. 2,497,500, Feb. 14.
Bender with sliding side shapers, Reciprocating. E. J. Bohaboy. 2,530,222, Nov. 14.
Bending and exhausting tubular lamps, Method and apparatus for. J. Yoder and R. Auth. 2,494,923, Jan. 17.
Bending and straightening machine. W. Rodder. 2,503,597, Apr. 11.
Bending and twisting machine, Cable. E. C. Taylor and A. F. Brenneis. 2,494,595, Jan. 17.
Bending apparatus. S. H. Kapelis. 2,533,470, Dec. 12.
Bending device for clasping machines. S. Ferdus. 2,527,123, Oct. 24.
Bending glass sheets, Method and apparatus for. J. E. Jendrisak. 2,518,896, Aug. 15.
Bending machine. E. J. De Witt. 2,525,403, Oct. 10.
Bending machine. R. M. Shaw, Jr. 2,501,241, Mar. 21.
Bending machine, Tube. G. E. Luce. 2,510,183, June 6.
Bending means for round bar irons. L. M. and K. A. Hedlöf. 2,524,565, Oct. 3.
Bending method and apparatus, Glass tube. A. Greiner. 2,523,015, Sept. 19.
Bending sealed glass tubes. H. E. Valentine. 2,508,127, May 16.
Bending tubular glass articles, Method and apparatus for. A. Greiner and A. W. Seitz. 2,494,872, Jan. 17.
Beneficiation of acidic minerals. D. W. Jayne, H. M. Day, and E. W. Gieseke. 2,494,132, Jan. 10.
Beneficiation of volcanic ash. E. P. Flint, T. C. Miller, and W. F. Douglass. 2,496,203, Jan. 31.
Benzamidocyclohexane, Production of. H. W. Grimmel and A. Guenther. 2,508,860, May 23.
Benzanthrone dicarboxylic acid compounds. T. Holbro, P. Sutter, and W. Kern. 2,494,811, Jan. 17.
Benzene hexachloride insecticide with water repellant powdered vehicle. L. J. Burrage. 2,523,420, Sept. 26.
Benzene hexachloride, Photochemical production of. W. L. Towle. 2,534,485, Dec. 19.
Benzhydryl esters as insecticides. Peter L. de Benneville and H. D. Segool. 2,530,653, Nov. 21.
Benzodioxane derivatives. D. T. Mowry. 2,510,036, May 30.
Benzophenone, Production of. A. N. Sachanen and P. D. Caesar. 2,528,789, Nov. 7.
Benzothiazoles, Preparation of. W. F. Russell. 2,509,453, May 30.
Benzothiophene anthraquinones, Preparation of. F. Max and W. Schmidt-Nickels. 2,533,171, Dec. 5.
Benzotriazole compound. J. B. Wright. 2,501,649, Mar. 21.
Benzyl penicillin, The production of. H. B. Woodruff and A. H. Larsen. 2,532,980, Dec. 5.
Berry vine holder. L. J. Wurdinger. 2,531,867, Nov. 28.
Berth and berth cover arrangement. M. Watter and J. C. Lyon. 2,502,636, Apr. 4.
Berth construction. S. A. Kelly, Jr., and W. R. Lindsay. 2,526,562, Oct. 17.
Berth installation. J. Heaney. 2,528,307, Oct. 31.
Beryllium oxide, Production of. H. C. Kawecki. 2,504,696, Apr. 18.
Bessemerizing of ferrous metal. E. B. Story. 2,501,832, Mar. 28.

β-(acenaphthoyl) acrylic acids, Production of. R. R. Burtner. 2,508,990, May 23.
Beta-acetamido-beta, beta-dicarbalkoxy propionaldehydes and process. D. T. Warner and O. A. Moe. 2,523,742, Sept. 26.
β-acylamido-β-carbalkoxy piperidones, Production of. D. T. Warner and O. A. Moe. 2,513,831, July 4.
Beta-amino carboxylic acids by the reaction of ammonia with beta-lactones, Preparation of. T. L. Gresham and F. W. Shaver. 2,525,794, Oct. 17.
β-amino sulfonic compounds, Making. M. H. Gold. 2,510,281, June 6.
Beta-amylase from sweet potatoes, Preparation of. A. K. Balls, M. K. Walden, and R. R. Thompson. 2,496,261, Feb. 7.
Beta-aryloxy aldehydes and preparation of the same. C. W. Smith and S. A. Ballard. 2,500,582, Mar. 14.
ββ-dicyanoketene dialkyl mercaptoles and their preparation. H. D. Edwards and J. D. Kendall. 2,533,233, Dec. 12.
Beta-chloroethyl-p-trichloromethyl benzoate. J. H. Bryden. 2,493,615, Jan. 3.
Beta-chloropropionic and beta-chloroisobutyric acid nitriles. J. G. Erickson. 2,524,011, Sept. 26.
Beta-chloropropionic and beta-chloroisobutyric acid nitriles. P. H. Moss. 2,524,020, Sept. 26.
β-dimethylamino-ethyl ρ-halobenzhydryl ethers and their salts. G. Rieveschl, Jr. 2,527,963, Oct. 31.
Beta-dimethylaminoethylphenothiazines and their production. P. Charpentier. 2,519,886, Aug. 22.
Beta-ethylnaphthalene, Production of. W. M. Kutz. 2,515,237, July 18.
Beta-(heterocyclic-thio) propionic acid and derivatives as plant stimulants. W. D. Stewart. 2,535,876, Dec. 26.
Beta-hydroxy carboxylic acid esters by alcoholysis of linear polyesters derived from beta-lactones, Preparation of. T. L. Gresham and J. E. Jansen. 2,526,554, Oct. 17.
Beta-keto acids of the cholenic acid series. N. T. Farinacci. 2,520,630, Aug. 29.
β-lactones in the presence of difluorophosphate catalysts, Preparation of. J. R. Caldwell. 2,518,662, Aug. 15.
Beta-lactones, Preparation of. B. Barnett. 2,513,615, July 4.
Beta-methyl-cyclopentadecanone, Preparation of. M. Stoll. 2,526,171, Oct. 17.
β-methylmercaptopropionaldehyde, Preparation of. E. H. Pierson and M. Tishler. 2,523,633, Sept. 26.
Beta-methylmercaptopropionaldehyde, Production of. J. C. Vander Weele. 2,521,677, Sept. 12.
Beta-(N,N-diphenyl)-amino propionic acid, Preparation of. T. L. Gresham and R. A. Bankert. 2,502,453, Apr. 4.
(Beta-nitroalkyl) amines and producing same. C. T. Bahner. 2,523,337, Sept. 26.
(Beta-nitroalkyl) amines and production of same. C. T. Bahner. 2,520,104, Aug. 22.
Beta-nitroalkyl amines and production of same. C. T. Bahner. 2,527,292, Oct. 24.
Beta-nitroalkyl sulfides and their preparation. C. T. Bahner. 2,511,961, June 20.
β-nitro sulfonic compounds and making same. M. H. Gold. 2,510,282, June 6.
Beta-(ortho-methoxy)phenyl-isopropyl 2-thenyl alkyl amines and salts thereof. R. V. Heinzelmann. 2,525,674, Oct. 10.
Beta-oxo esters, Preparation of. I. F. Halverstadt. 2,527,306, Oct. 24.
β-Phenyl-β-pyridyl and β-phenyl-β-piperidyl ethyl amines. M. Hartmann and L. Panizzon. 2,508,332, May 16.
Beta-phenyl ethyl alcohol, Preparing. T. F. Wood. 2,524,096, Oct. 3.
Beta-substituted alpha, beta-diphenylethylamines and the preparation thereof. W. D. McPhee. 2,503,285, Apr. 11.
Beta-tertiary-aminoadiponitriles. C. M. Langkammerer. 2,532,561, Dec. 5.
Beta-(2-benzothienyl)-alpha-amino-propionic acid and salts. S. Avakian and G. J. Martin. 2,517,826, Aug. 8.
Beta-(2-biphenyloxy) ethyl beta-haloalkyl amines. G. Rieveschl, Jr., and R. W. Fleming. 2,495,772, Jan. 31.
Betatron injector structure. D. W. Kerst. 2,497,891, Feb. 21.
Bevel gear holder. C. F. Telfor and C. Pallenberg. 2,511,954, June 20.
Beveled wall hook. C. P. Young. 2,511,140, June 13.
Beveling device. E. A. Hermanson. 2,510,820, June 6.
Beveling machine, Pipe. C. Dudley. 2,501,893, Mar. 28.
Beverage bottle case. A. J. Gerber. 2,535,493, Dec. 26.
Beverage case. F. A. Wyatt and C. F. Slater. 2,530,849, Nov. 21.
Beverage cooler. M. M. Fibus. 2,515,767, July 18.
Beverage cooler. J. W. Penning. 2,532,328, Dec. 5.
Beverage dispenser. J. E. Stewart. 2,505,369, Apr. 25.
Beverage maker, Automatic. L. H. Snyder. 2,513,594, July 4.
Beverage-making apparatus. R. H. Hill. 2,507,633, May 16.
Beverage making filter. F. D. Wulff. 2,532,688, Dec. 5.
Beverage preparing and dispensing apparatus. H. H. Harr. 2,533,930, Dec. 12.
Beverage, Producing a lacteal. E. C. Scott. 2,507,482, May 9.
Bias adjustment device, Threshold. H. O. Peterson, 2,504,348, Apr. 18.
Biased diode wave shaping circuit. V. J. Duke and E. D. Goodale. 2,519,238, Aug. 15.
Bib. H. L. Gardner. 2,523,565, Sept. 26.
Bib. K. F. Schlegel, Jr. 2,517,357, Aug. 1.
Bib, Baby. M. L. Miles. 2,518,357, Aug. 8.
Bib, Baby. W. G. Neiswander. 2,532,932, Dec. 5.
Bib construction. O. J. Britton. 2,525,115, Oct. 10.
Bib for protecting garments. J. Seidenbaum. 2,501,010, Mar. 21.
Bib, Shoulder. B. D. Sossamon. 2,499,689, Mar. 7.
Bicycle. J. R. V. Dolphin. 2,525,877, Oct. 17.
Bicycle accessory. E. Sokolik. 2,516,431, July 25.
Bicycle attachment. R. R. Anderson. 2,517,957, Aug. 8.
Bicycle balancing and stand attachment. W. E. Olson. 2,509,937, May 30.
Bicycle carrier rack. E. Donnelley. 2,512,267, June 20.
Bicycle construction. F. P. Fletcher. 2,497,121, Feb. 14.
Bicycle construction, Motor. T. Rostan. 2,504,452, Apr. 18.
Bicycle fork fixture. T. Avenia. 2,530,500, Nov. 21.
Bicycle handle bar support. H. E. Townsend. 2,523,402, Sept. 26.
Bicycle hub dynamo. A. Rabl. 2,535,453, Dec. 26.
Bicycle or motorcycle carrying a single steering wheel and transmission gears and connections therefor. L. Debuit. 2,505,464, Apr. 25.
Bicycle pedal adapter. W. C. Hill. 2,533,011, Dec. 5.
Bicycle stabilizer. L. C. Atwood and A. Johnson. 2,530,498, Nov. 21.
Bicycle stabilizer attachment. C. R. Kutil. 2,527,431, Oct. 24.
Bicycle stabilizing attachment. M. M. Groom. 2,535,283, Dec. 26.
Bicycle stand. E. Morgan. 2,496,593, Feb. 7.
Bicycle stop light. D. M. Pearl. 2,497,012, Feb 7.
Bifocal elevation attachment. S. A. Shepelevich. 2,512,508, June 20.
Biguanide compounds. F. H. S. Curd and F. L. Rose. 2,498,252, Feb. 21.
Biguanide compounds. F. H. S. Curd and F. L. Rose. 2,531,404, Nov. 28.
Biguanide derivatives. F. H. Curd and F. L. Rose. 2,510,081, June 6.
Biguanide derivatives. F. H. S. Curd and F. L. Rose. 2,531,405, Nov. 28.
Biguanide derivatives, Manufacture of. A. F. Crowther, F. H. S. Curd, and F. L. Rose. 2,508,376, May 23.
Bike, Snow. F. B. Loucks, Jr. 2,506,462, May 2.
Bilateral clipper circuit. R. F. Shea. 2,497,693, Feb. 14.
Billet, Bimetallic. W. L. Keene and W. A. Carlson. 2,514,873, July 11.
Billfold. S. Hyman. 2,511,533, June 13.
Billfold. I. Sahula. 2,505,994, May 2.
Billfold adapted to receive a removable pass case. D. J. Broughton. 2,535,387, Dec. 26.
Billfold and change purse, Combined. E. E. Koch. 2,520,465, Aug. 29.
Billfold construction permitting releasable combination therewith of a multiple pass case or the like. D. J. Broughton. 2,531,605, Nov. 28.
Billfold, memorandum pad, and purse, Combination. H. A. Bauman. 2,496,144, Jan. 31.
Billfold, purse, and pocket case, Combination. W. H. St. Thomas. 2,512,588, June 20.
Billfold, Secret compartment. O. S. Elliff. 2,514,042, July 4.
Billfold, Stitchless. R. F. Ogg. 2,498,820, Feb. 28.
Billiard type game board. P. Cusano. 2,526,334, Oct. 17.
Bin discharging apparatus. A. Redler. 2,519,929, Aug. 22.
Bin equipment, Soya bean storage. C. H. Graham. 2,497,406, Feb. 14.
Bin, Metal. W. R. Hughes. 2,516,122, July 25.
Bin, Re-usable pallet. D. H. Frye. 2,534,010–11, Dec. 12.
Bin structure, Nonclogging. W. Eaton. 2,521,156, Sept. 5.
Bin unloading attachment, Combine grain. R. Ward. 2,507,873, May 16.
Binary counting circuit. R. L. Thompson. 2,519,513, Aug. 22.
Binary gaseous heat engine. N. B. Wales. 2,502,542, Apr. 4.
Binaural listening system, Electroacoustic. H. C. Silent. 2,505,585, Apr. 25.
Binder. E. C. Kinney. 2,521,296, Sept. 5.
Binder. E. H. Neuschwander. 2,523,922, Sept. 26.
Binder. E. M. Phillips. 2,495,180, Jan. 17.
Binder. E. A. Pilling. 2,500,322, Mar. 14.
Binder. P. R. Schroeppel. 2,498,510, Feb. 21.
Binder and fastening device for the same. R. H. Wendt. 2,524,615, Oct. 3.
Binder and fastening device for the same. R. H. Wendt. 2,524,688, Oct. 3.
Binder and support, Shuttle. D. W. Hageman. 2,525,129, Oct. 10.
Binder, Arch type loose-leaf. C. C. Rea. 2,494,898, Jan. 17.
Binder, Cementitious. C. C. Callis. 2,502,418, Apr. 4.
Binder compositions and products thereof, High coking. F. L. Shea, Jr., and L. H. Juel. 2,500,208, Mar. 14.
Binder construction, Loose-leaf. W. Satz. 2,523,724, Sept. 26.
Binder device, Loose-leaf. J. C. Dawson, Jr. 2,528,866, Nov. 7.
Binder, End lock. S. Segal. 2,514,727, July 11.

Binder, Expansible loose page. C. W. Bishop. 2,506,290, May 2.
Binder file and tape for the manufacture thereof. E L. Stein. 2,510,263, June 6.
Binder for shirt cuffs and plackets. E. Taber. 2,520,227, Aug. 29.
Binder, Journal. W. C. Hamilton. 2,506,357, May 2.
Binder, Load. B. C. Melvin. 2,500,259, Mar. 14.
Binder, Loose-leaf. R. Anglin. 2,504,783, Apr. 18.
Binder, Loose-leaf. H. A. Cherry. 2,532,695, Dec. 5.
Binder, Loose-leaf. C. E. Emmer. 2,511,153, June 13.
Binder, Loose-leaf. J. A. Erwin. 2,498,404, Feb. 21.
Binder, Loose-leaf. A. Gilbert. 2,493,065, Jan. 3.
Binder, Loose-leaf. L. W. Johnstone and C. E. Gilbert. 2,532,771, Dec. 5.
Binder, Loose-leaf. S. Segal. 2,498,902, Feb. 28.
Binder, Loose-leaf post. F. S. Schade. 2,510,662, June 6.
Binder, Loose-leaf ring. C. L. Coppage. 2,520,999, Sept. 5.
Binder, Magazine. H. T. Arends. 2,495,437, Jan. 24.
Binder, Record. H. F. Kriegel. 2,534,522, Dec. 19.
Binder, Simplified loose-leaf. S. Segal. 2,498,584, Feb. 21.
Binder, Spiral. S. W. Dow. 2,501,501, Mar. 21.
Binder-strapping reel. L. O. Green. 2,506,354, May 2.
Binder supply system. H. C. Hettelsater. 2,529,656, Nov. 14.
Binder, Tractor mounted corn. J. D. McKahin. 2,500,040, Mar. 7.
Binding device, Load. V. S. and R. T. Durbin. 2,500,488, Mar. 14.
Binding for books, Adhesive. E. L. Budden. 2,523,860, Sept. 26.
Binding machine, Newspaper. C. G. Jackson. 2,524,316, Oct. 3.
Binding of books. E. M. Getzoff. 2,516,460, July 25.
Binding, Snowshoe. A. A. Villemur. 2,511,087, June 13.
Binding strip joint. W. Bishop. 2,506,915, May 9.
Binding wire clip. J. K. Newell, Jr. 2,529,176, Nov. 7.
Bingo game frame. J. W. Wirfel. 2,530,929, Nov. 21.
Binocular. N. Kershaw and H. Ryder. 2,534,776, Dec. 19.
Biological apparatus. J. A. Reyniers. 2,516,419, July 25.
Biopsy, bistoury, Double-cutting. S. B. Gusberg and E. J. Sovatkin. 2,505,358, Apr. 25.
Biotin aliphatic amides and their preparation. D. E. Wolf and K. Folkers. 2,519,530, Aug. 22.
Biphenyl compounds. L. L. Bambas. 2,516,098, July 25.
Biphenyl derivatives and preparing them. F. Rosenthal. 2,496,067, Jan. 31.
Bird cake holder. D. B. Hyde. 2,518,549, Aug. 15.
Bird call. C. L. Armstrong. 2,500,975, Mar. 21.
Bird feeder. L. J. Lajole and T. F. Rosinski. 2,532,726, Dec. 5.
Bird feeder. R. C. Tobias. 2,504,282, Apr. 18.
Bird feeder. G. O. Wilkinson. 2,524,502, Oct. 3.
Bird feeding station. P. Pueschel. 2,503,068, Apr. 4.
Birdhouse. S. M. Smith. 2,510,721, June 6.
Bird trap. C. H. Olds. 2,526,826, Oct. 24.
Bis-(carboxydiphenylamine)-sulfides and sulfones. A. A. Goldberg and H. S. Turner. 2,531,423, Nov. 28.
Bis(4-aminocyclohexyl) methane. W. Kirk, Jr., C. Hundred, R. S. Schreiber, and G. M. Whitman. 2,494,563, Jan. 17.
Bis(4-aminophenyl)-sulfone ascorbate. P. P. T. Sah. 2,520,438, Aug. 29.
Bis(hydroxyphenyl) alkanes. D. R. Stevens and A. C. Dubbs. 2,515,907, July 18.
Bis(hydroxyphenyl) compounds. D. R. Stevens and A. C. Dubbs. 2,515,906, July 18.
Bis-phenols. A. J. Dietzler and F. Bryner. 2,503,196, Apr. 4.
Bis (tertiaryaminoalkyl) arylacetonitriles and the corresponding acids and esters. P. Lucas. 2,510,784, June 6.
Bis-trihydrocarbon silylphenyl silanes. H. A. Clark. 2,507,515, May 16.
Biscuit or cooky cutter. J. H. Dawson. 2,526,811, Oct. 24.
Bismuth-aspergillic acid complex and its production. A. Goth. 2,500,921, Mar. 21.
Bispyridyl compounds containing a silicon atom and preparation. C. F. H. Allen and D. M. Burness. 2,500,110, Mar. 7.
Bistable semiconductor multivibrator circuit. R. P. Moore, Jr. 2,531,076, Nov. 21.
Bit: *See*—

Bridle bit.	Multiple edge percussion bit.
Core bit.	Replaceable blade bit.
Core drill bit.	Rock bit.
Curb bit.	Rock drill bit.
Double-acting drill bit.	Roping bit.
Drill bit.	Self-piloted rotary drill bit.
Earth drill bit.	Single edge percussion bit.
Expansion bit.	
Mining machine cutter bit.	

Bit and cutter therefor. E. A. Morlan and H. B. Woods. 2,527,838, Oct. 31.
Bit and holder therefor, Tool. H. M. Sheridan. 2,500,387, Mar. 14.
Bit device for screw drivers and the like, Composite. H. G. Fischer and L. J. Wendling. 2,522,217, Sept. 12.
Bit for rock drilling. S. A. Knowles. 2,522,045, Sept. 12.
Bitstock. E. Curran. 2,515,759, July 18.
Bitumen, Compounded. V. R. Smith and D. E. Stevens. 2,508,429, May 23.
Bitumen-glass fiber composite manufactures. J. A. Grant. 2,523,759, Sept. 26.
Bitumen-treating agent. E. W. Mertens and D. E. Stevens. 2,508,924, May 23.
Bitumen-treating agent. V. R. Smith and D. E. Stevens. 2,508,428, May 23.
Bitumen-treating agent. V. R. Smith and D. E. Stevens. 2,508,432, May 23.
Bitumen-treating agent. V. R. Smith, D. E. Stevens, and E. W. Mertens. 2,508,430–1, May 23.
Bituminous composition. J. F. Gallagher. 2,507,629, May 16.
Bituminous compositions. D. Harman and H. J. Sommer. 2,492,994, Jan. 3.
Bituminous compositions. D. Harman and H. J. Sommer. 2,520,720, Aug. 29.
Bituminous compositions, Stabilized. G. H. von Fuchs and N. B. Wilson. 2,507,070, May 9.
Bituminous emulsion and preparation thereof, Stable. D. C. Jesseph. 2,494.708, Jan. 17.
Bituminous emulsions. P. E. McCoy. 2,509,574, May 30.
Bituminous emulsions. W. J. Schwarz. 2,521,542, Sept. 5.
Bituminous emulsions for treatment of coal and preparing same. C. R. Rosencranse. 2,514,901, July 11.
Bituminous emulsions, Slow-setitng. P. E. McCoy. 2,512,580, June 20.
Biuret, Production of. P. W. Garbo. 2,524,049, Oct. 3.
Blackboard and projection screen, Combination. A. B. Hurley. 2,528,311, Oct. 31.
Blackboard, Educational. J. Schatz. 2,494,362, Jan. 10.
Blade adjustment for lawn mowers, Fixed cutter. C. F. Booton. 2,511,457, June 13.
Blade and a holder therefor, Cutter. J. A. Klod. 2,509,976, May 30.
Blade and cover blind shutter, Automatic high-speed symmetrical. C. C. Fuerst. 2,511,201, June 13.
Blade and making the same, Peach pitting. H. A. Skog. 2,512,688, June 27.
Blade attachment, Lifting rotor. D. N. Meyers. 2,518,243, Aug. 8.
Blade blocks in hydraulic couplings. M. Foster. 2,529,929, Nov. 14.
Blade classifying apparatus. C. L. Muzzey and J. B. Dunn. 2,525,267, Oct. 10.
Blade construction and propeller blade. E. S. Bucher and Fred B. Elliott, Jr. 2,506,992, May 9.
Blade constructions and prepeller blades, Producing. F. B. Stulen. 2,514,525, July 11.
Blade dispensing container. E. A. Nelson. 2,514,161, July 4.
Blade for air and steam turbines, Split. F. A. Miller. 2,521,595, Sept. 5.
Blade for facsimile recorders, Unitary spring and printer. J. H. Long. 2,495,271, Jan. 24.
Blade for endless chain cultivators, Hoe. G. E. Judd. 2,526,138, Oct. 17.
Blade for lawn mowers, Reel and cutter. H. Goldberg. 2,495,372, Jan. 24.
Blade for trimming book blocks, Disk. F. J. Cashin. 2,531,841, Nov. 28.
Blade fork, Tractor. C. S. Trissler. 2,500,887, Mar. 14.
Blade, Frozen food cutter. R. H. Thompson. 2,517,362, Aug. 1.
Blade, Hacksaw. E. Dryden. 2,534,424, Dec. 19.
Blade holder. C. L. Green. 2,521,291, Sept. 5.
Blade holder. A. B. Hitchcock. 2,526,867, Oct. 24.
Blade, Lawn mower. P. R. Hutchinson. 2,495,812, Jan. 31.
Blade magazine. N. Testi. 2,508,436, May 23.
Blade mechanism for rotary intaglio printing machines, Doctor. W. E. Bennison. 2,523,643, Sept. 26.
Blade mounting. A. L. Highberg, P. P. Newcomb, and C. R. Soderberg. 2,494,658, Jan. 17.
Blade, Mower. R. H. Moss. 2,517,405, Aug. 1.
Blade ring for radial-flow elastic fluid turbines. A. K. Johansson, E. D. Lindblom, and H. I. O. Ohlberger. 2,498,425, Feb. 21.
Blade, Rotary wing. N. O. Brantly. 2,509,184, May 23.
Blade, Sediment moving. R. Chelminski. 2,499,460, Mar. 7.
Blade, Self-aligning lawn-mower. F. P. Voytershark and D. L. Churchill. 2,528,625, Nov. 7.
Blade sharpener. J. J. O'Rielly. 2,508,967, May 23.
Blade sharpening machine, Corn cutter. R. Cover. 2,510,557, June 6.
Blade shutter with flash lamp synchronizing switch, Rotary. T. M. Aiken. 2,514,302, July 4.
Blade, Spiral saw. A. E. Roy. 2,514,609, July 11.
Blade terminal for windshield wiper arms. I. Nesson. 2,528,283, Oct. 31.
Blade weeding assembly. C. S., G. C., and S. F. Noble. 2,503,884, Apr. 11.
Blades, Propeller. G. Meier. 2,498,170, Feb. 21.
Blanching apparatus. W. C. Hanson. 2,520,719, Aug. 29.
Blanching apparatus, Vegetable. W. A. Ten Eyck. 2,517,942, Aug. 8.
Blanching device for food processing apparatus. J. F. Plummer, Jr. 2,517,236, Aug. 1.
Blank, Carton. E. B. Whitehead. 2,493,176, Jan. 3.
Blank ejecting mechanism. H. F. Jordan. 2,521,461, Sept. 5.

Blank feeding and locating mechanism for punch presses. E. A. Brandt. 2,533,914, Dec. 12.
Blank feeding mechanism for can making machines. L. Hermani. 2,535,853, Dec. 26.
Blank, Foldable calendar. J. Gruden. 2,493,134, Jan. 3.
Blanket. I. Pedersen. 2,497,186, Feb. 14.
Blanket control with variable compensator, Electric. H. L. Newell. 2,524,535, Oct. 3.
Blanket holder. C. G. Carlson. 2,507,091, May 9.
Blanking and drawing press. F. K. Maussnest. 2,532,320, Dec. 5.
Blanking and piercing device. A. M. Urquhart. 2,494,018, Jan. 10.
Blanking machine, Button. J., Jr., C. F., L. H., W. F., F. H., E. W., and L. G. Weber, and C. A. Goetzman. 2,500,724, Mar. 14.
Blanking pulse generating circuit. B. Chance. 2,535,266, Dec. 26.
Blast marking machine, Abrasive. J. M. Escher. 2,521,782, Sept. 12.
Blast preheater. R. Billgren. 2,493,057, Jan. 3.
Blasting cap. R. W. Cairns. 2,517,763, Aug. 8.
Blasting cap manufacture. E. K. Lefren. 2,515,238, July 18.
Blasting cap manufacture. E. K. Lefren. 2,515,780, July 18.
Blasting charge, Multiple jet. L. S. Byers. 2,513,233, June 27.
Blasting device, Electric. J. Stuart, II. 2,527,858, Oct. 13.
Blasting device, Gas pressure. F. H. Armstrong and E. C. Filstrup, Jr. 2,527,291, Oct. 24.
Blasting initiator. R. W. Cairns and R. W. Lawrence. 2,525,397, Oct. 10.
Blasting method and machine, Work. R. B. Huyett. 2,510,927, June 6.
Blasting unit, Vibrator type multiple-shot. F. C. Gibson and F. W. Brown. 2,506,587, May 9.
Bleach for color materials, Silver. L. S. Wilder and K. C. Brannock. 2,507,183, May 9.
Bleacher construction. F. C. Torkelson. 2,503,363, Apr. 11.
Bleacher structure. J. W. Thompson. 2,532,649, Dec. 5.
Bleaching barytes. T. K. Stinson. 2,522,971, Sept. 19.
Bleaching compounds of fatty acids or the like. V. Jespersen. 2,524,056, Oct. 3.
Bleaching groundwood. R. L. McEwen and F. R. Sheldon. 2,510,595, June 6.
Bleaching high-density pulp. R. L. McEwen. 2,513,344, July 4.
Bleaching moist felted groundwood pulp. R. L. McEwen and F. R. Sheldon. 2,514,503, July 11.
Bleaching of cellulosic textiles. R. L. Carr. 2,521,340, Sept. 5.
Bleaching of ground wood, Hypochlorite. D. O. Adams and G. B. Hughey. 2,516,664, July 25.
Bleaching of organic material. J. D. Brandner. 2,529,831, Nov. 14.
Bleaching of sulfate wood pulp. G. A. Day and B. G. Hoos. 2,513,788, July 4.
Bleaching pulp. F. Casciani and G. K. Storin. 2,494,542, Jan. 17.
Bleaching semichemical pulps. R. L. McEwen. 2,527,563, Oct. 31.
Bleaching silver images. P. W. Vittum. 2,529,981, Nov. 14.
Bleaching textiles. L. P. Seyb, J. L. Foster, and H. D. Clayton. 2,515,532, July 18.
Bleaching treatment for cellulosic materials. G. A. Day and B. G. Hoos. 2,513,787, July 4.
Bleaching with chlorites, Catalytic. R. M. Levy and J. E. Brennan. Re. 23,218, Apr. 11.
Bleed valve. J. N. Patterson. 2,516,411, July 25.
Bleeder device interconnecting wall headers of coke-oven underfiring system. J. van Ackeren. 2,516,929, Aug. 1.
Bleeder for hydraulic lines, Automatic. E. L. Hart. 2,519,569, Aug. 22.
Blend of melamine-formaldehyde and aniline-formaldehyde-cresol or -xylenol resins. P. C. Schroy, J. Grabowski, and M. J. Scott. 2,523,334, Sept. 26.
Blend of melamine-formaldehyde and aniline-phenol-formaldehyde resins. P. C. Schroy, J. Grabowski, and M. J. Scott. 2,523,333, Sept. 26.
Blending apparatus. W. N. Wherrett. 2,517,456, Aug. 1.
Blending or mixing apparatus. J. J. Fischer. 2,514,126, July 4.
Blind construction. F. E. Bretz, Jr. 2,520,524, Aug. 29.
Blind construction, Vertical slat. J. B. Kamm. 2,503,441, Apr. 11.
Blind rivet. O. H. Hood. 2,531,270, Nov. 21.
Blind supporting means, Venetian. J. W. Dunn. 2,493,234, Jan. 3.
Block: *See*—
Adjustable pillow block.
Adjustable sill block.
Advertising sidewalk block.
Building block.
Burner block.
Coated fuel impregnated block.
Combined front and side shackle block.
Composition hat pressing block.
Electrical test block.
Fit together spelling block.
Gauge block.
High-frequency inductor block.
Hollow concrete building block.
Insulated building block.
Moisture-resistant lightning arrester valve block.
Pillow block.
Pulley block.
Sander block.
Sanding block.
Shock absorbing dolly block.
Shuttle eye block.
Starting block.
Telephone connecting block.
Traveling block.
Vacuum lens block.
Wheel block.
Wire drawing block.
Wooden building block.
Block and swivel connection, Combination traveling. B. C. Christensen. 2,508,595, May 23.
Block baffle construction for multiple tube fluid heaters, Multiple. C. S. Reed and O. C. Schauble. 2,534,208, Dec. 12.
Block for a decorative fence construction, Plant growing. C. D. Burney. 2,514,536, July 11.
Block, for molten glass flow channels, Water-cooled skimmer. M. M. Cannon, Jr. 2,508,222, May 16.
Block for railway crossings and the like, Flare. A. R. Schulze. 2,500,710, Mar. 14.
Block for splicing metallic tapes, Anvil. V. E. Smith. 2,502,760, Apr. 4.
Block forming machine. K. T. Romie. 2,524,359, Oct. 3.
Block handling apparatus. R. M. Gray. 2,510,573, June 6.
Block mechanism for card operating machines, Selective naught. H. P. Mixer. 2,535,151, Dec. 26.
Block or segment, Abrasive. A. S. Titcomb. 2,501,422, Mar. 21.
Block remover and conveyer for concrete block machines. T. J. Matthews. 2,517,905, Aug. 8.
Block secured to a concrete wall, Facing. W. H. Krueger. 2,505,676, Apr. 25.
Block set, Child's. A. L. Severson and S. L. Sherman. 2,513,596, July 4.
Block with spaced slabs, Building. L. A. Hallstead. 2,496,872, Feb. 7.
Blocker, Plant. R. Wiltein. 2,521,109, Sept. 5.
Blocking apparatus, Hat. J. Luckow. 2,520,319, Aug. 29.
Blocking machine, Ribbing. A. G. Kohle and T. A. Greenley. 2,531,852, Nov. 28.
Blocking open hearth heats. F. J. Griffiths. 2,527,186, Oct. 24.
Blocking oscillator trigger circuit. V. C. Westcott. 2,509,792, May 30.
Blocking pattern, Hair. J. C. Fred. 2,529,149, Nov. 7.
Blood clotting preparation. A. Szent-Gyorgyi, K. Laki, and M. Gerendas. 2,532,348, Dec. 5.
Blood filter and drip meter. W. F. Butler and F. A. Cutter. 2,528,737, Nov. 7.
Blood, Method for testing. P. M. Neuda. 2,528,704, Nov. 7.
Blotter, Rotary. E. J. J. Henriksen. 2,502,724, Apr. 4.
Blouse, K. McGinnis. 2,522,232, Sept. 12.
Blouse, Lady's. H. E. Davidson. 2,498,254, Feb. 21.
Blouse or the like, Lady's. B. Donin. 2,502,314, Mar. 28.
Blouse, Sweater. J. Rosenzweig. 2,513,210, June 27.
Blow-down method for a coil-type cleaning machine. J. F. Malsbary. 2,530,710, Nov. 21.
Blow gun for cleaning machines or the like. E. H. Shaff. 2,534,183, Dec. 12.
Blowout patch. H. N. Lapetina. 2,525,688, Oct. 10.
Blowout preventer and stripper, Choking collar. F. J. Schweitzer. 2,529,744, Nov. 14.
Blowpipe. W. S. Boedecker and M. H. Wigton. 2,527,297, Oct. 24.
Blowpipe. W. J. Jacobsson. 2,510,227, June 6.
Blowpipe apparatus. E. Meincke. 2,534,363, Dec. 19.
Blowpipe apparatus. L. W. Young. 2,528,809, Nov. 7.
Blowpipe apparatus, Plural-nozzle surface conditioning. A. J. Miller and J. Kolody. 2,524,920, Oct. 10.
Blowpipe, Hand. W. J. Jacobsson and S. R. Oldham. 2,518,895, Aug. 15.
Blowpipe machine for severing metal stock. A. M. Keller. 2,510,232, June 6.
Blowpipe, Mechanized hand cutting. R. Chelborg. 2,501,711, Mar. 28.
Blowpipe, Subaqueous. W. T. P. Kirkham. 2,511,719, June 13.
Blowtorch. H. W. Birk. 2,500,339, Mar. 14.
Blowtorch, Gas. W. F. Knipe. 2,529,164, Nov. 7.
Blowtorch, Trigger-type gaseous. W. A. Sparks. 2,506,114, May 2.
Blower. G. W. Allen. 2,529,362, Nov. 7.
Blower and vacuum cleaner, Combined. C. W. Lanter. 2,533,268, Dec. 12.
Blower, Boiler tube cleaning. C. F. Lumb and F. G. W. Spears. 2,519,674, Aug. 22.
Blower drive for boundary layer control systems on aircraft. E. A. Stalker. 2,498,140, Feb. 21.
Blower for compressed combustible gases. H. Pfenninger. 2,532,035, Nov. 28.
Blower for frost prevention. W. L. Irvine and B. R. Daves. 2,529,339, Nov. 7.
Blower for hay choppers. E. F. Huddle. 2,496,472, Feb. 7.
Blower having a swinging feed trough, Ensilage. E. F. Huddle. 2,532,064, Nov. 28.
Blower, Manually oscillatable and rotatable portable soot. P. G. Handoll and P. R. Bettle. 2,532,447, Dec. 5.
Blower, Oscillating. H. A. Gehres. 2,511,576, June 13.
Blower, Power-driven soot. D. E. Hibner and F. C. Arey. 2,504,073, Apr. 11.

Blower, Sequentially operated multiple. E. C. S. Clench. 2,493,656, Jan. 3.
Blowing device for rock drills. A. Feucht and W. A. Schirmer. 2,514,852, July 11.
Blowing machine. W. H. Mackey and A. L. Wedebrock. 2,532,318, Dec. 5.
Blowing machine, Core. O. Ostermann and E. Blendin. 2,512,871, June 27.
Blowing machine for insulation and the like. A. L. Wedebrock. 2,532,351, Dec. 5.
Bluing metals. W. G. Scroxton. 2,527,232, Oct. 24.
Board: *See*—
- Accounting board.
- Adjustable ironing board.
- Apertured and steeped game board.
- Artjopat designing board.
- Automatically projected and reinforced ironing board.
- Billiard type game board.
- Calculating board.
- Clip board.
- Collating board.
- Competitive labyrinth game board.
- Composition board.
- Control board.
- Cribbage board.
- Drawing or sketching board.
- Electric dart board.
- Extensible ironing board.
- Folding cabinet type ironing board.
- Folding ironing board.
- Glass cutting board.
- Hammer-peg board.
- Indicator board.
- Interlocking game board.
- Ironing board.
- Knot and rope instruction board.
- Multiple panel display board.
- Panel board.
- Panel concealed folding ironing board.
- Pin board.
- Pivotally supported ironing board.
- Portable ironing board.
- Poster board.
- Ventilated ironing board.
- Wall attached ironing board.

Board and arcuate playing pieces, Game. M. K. Graham. 2,520,207, Aug. 29.
Board and cardholder, Combined cribbage. H. L. Tweed. 2,513,219, June 27.
Board and cover therefor, Magnetic game. R. H. Goldsmith. 2,511,774, June 13.
Board and making, Scraper. S. D. Dickson. 2,523,650, Sept. 26.
Board and T-square combination, Drawing. C. Tyler. 2,501,296, Mar. 21.
Board and transfer cloth combination, Piecrust trimming. T. F. Kors. 2,521,982, Sept. 12.
Board assembly, Portable folding ironing. J. M. Morgan. 2,516,235, July 25.
Board attachment, Drawing. C. R. Ritter. 2,508,470, May 23.
Board attachment, Maneuvering. C. W. Merriam, Jr. 2,534,288, Dec. 19.
Board bundle. W. R. Jones. 2,535,422, Dec. 26.
Board for Axminster looms, Nose. W. A. Blanchard. 2,527,054, Oct. 24.
Board for electric power networks, Indicating. G. A. Burns. 2,496,853, Feb. 7.
Board for flooring and the like. H. P. Nelson. 2,497,837, Feb. 14.
Board for handcarts, Clip. E. Potter and J. J. Runstein. 2,523,590, Sept. 26.
Board for looms, Comber. G. Berg. 2,524,876, Oct. 10.
Board for playing a simulated game of football, Game. G. W. Wheeler. 2,520,668, Aug. 29.
Board for salvo games, Electrical game. H. Bader. 2,512,820, June 27.
Board game indicator. W. Walker. 2,500,722, Mar. 14.
Board leveling mechanism. P. Cusano. 2,493,620, Jan. 3.
Board of molded plastic material, Chalk-writing. C. E. Smith. 2,498,586, Feb. 21.
Board removing tool. C. G. Pearson. 2,511,175, June 13.
Board structure for ironing tables, Supporting and pressing. W. L. Kisling. 2,516,219, July 25.
Boat. W. A. Hickman. 2,515,005, July 11.
Boat. C. Peters. 2,527,327, Oct. 24.
Boat. M. Raveau. 2,520,782, Aug. 29.
Boat. A. J. Rowe. 2,519,793, Aug. 22.
Boat. I. Troeng. 2,521,268, Sept. 5.
Boat bailer. C. F. Pye. 2,530,664, Nov. 21.
Boat, Collapsible. C. R. Jones. 2,494,763, Jan. 17.
Boat, Collapsible. M. N. Stanley. 2,529,745, Nov. 14.
Boat, Collapsible. M. D. Wayne. 2,522,910, Sept. 19.
Boat construction, Metal. M. A. Hall. 2,527,994, Oct. 31.
Boat, Fly cast fishing. A. Montalbano. 2,518,168, Aug. 8.
Boat, Foldable. A. S. Carter. 2,533,220, Dec. 12.
Boat, Folding. B. F. Randrup. 2,504,225, Apr. 18.
Boat having a buoyant propeller. J. O. Smith, Jr. 2,524,938, Oct. 10.
Boat-lowering apparatus. W. L. Howard. 2,506,085, May 2.
Boat mooring and lifting mechanism. A. C. Lange. 2,505,832, May 2.
Boat, Multiple screw propelled transit. O. I. Pridgen. 2,507,541, May 16.
Boat propulsion means, Foot operated. N. S. Gulley. 2,525,349, Oct. 10.
Boat structure. R. W. Hardman and C. H. Boxmeyer. 2,493,816, Jan. 10.
Boat structure and manufacturing the same, Pneumatic. M. J. Sturtevant. 2,508,304, May 16.
Boat trailer. J. W. Donalson and K. B. Oberhansly. 2,529,925, Nov. 14.
Boat trailer. S. P. Gruska. 2,494,509, Jan. 10.
Boat trailer attachment. E. R. and M. B. Mercer. 2,515,564, July 18.
Boat trailing arrangement. V. and R. Lenci. 2,507,793, May 16.
Bob pin. R. K. Weaver. 2,522,911, Sept. 19.
Bobsled. D. Schiffbauer. 2,525,833, Oct. 17.
Bobber, Fishline. H. A. Wulff. 2,504,241, Apr. 18.
Bobber for fishing lines. E. G. Johnson. 2,493,971, Jan. 10.
Bobby pin. E. L. Challinor. 2,498,066, Feb. 21.
Bobbin. J. M. Cramer. 2,499,989, Mar. 7.
Bobbin. C. K. Dunlap. 2,495,058, Jan. 17.
Bobbin apparatus for automatic looms. R. Hrdina. 2,499,502, Mar. 7.
Bobbin box. W. E. Turner. 2,531,090, Nov. 21.
Bobbin case removing and replacing mechanisms for sewing machines. G. B. Hirsch. 2,507,470, May 9.
Bobbin clutch. G. Magrath. 2,528,066, Oct. 31.
Bobbin, Coil. G. L. Osborne. 2,511,174, June 13.
Bobbin construction, Unit. E. G. Crooks. 2,499,268, Feb. 28.
Bobbin for knitting yarn and the like. J. Gomberg. 2,533,731, Dec. 12.
Bobbin gear assembly for roving frames. R. Q. Hollingsworth. 2,533,669, Dec. 12.
Bobbin hoisting means of stranding machines. J. H. Larmuth. 2,509,828, May 30.
Bobbin holder. R. M. Blais. 2,527,391, Oct. 24.
Bobbin replenishing mechanism for looms. B. A. Peterson. 2,510,348, June 6.
Bobbin with protected edge, Flanged. J. J. Bliss. 2,527,520, Oct. 31.
Bobbin with snap on protected edge, Flanged. J. J. Bliss. 2,527,519, Oct. 31.
Body and fender tool. H. P. Hartman. 2,527,725, Oct. 31.
Body construction, especially for railway cars. R. J. Theriault. 2,504,658, Apr. 18.
Body construction for street-sweeping machines. C. W. Mott. 2,505,199, Apr. 25.
Body construction for toy vehicles, Removable. C. T. Borchers. 2,528,852, Nov. 7.
Body dumping vehicle. J. E. Ecklund. 2,513,554, July 4.
Body, especially roof and vehicles such as railway cars. W. B. Dean. 2,504,111, Apr. 18.
Body for automobiles and similar vehicles, Frameless. G. Chausson. 2,525,339, Oct. 10.
Body for plumbers' trucks. N. C. Hotop, 2,530,578, Nov. 21.
Body for street-cleaning machines. B. B. Boyce and W. B. Powell. 2,523,808, Sept. 26.
Body for vehicles, especially railway cars. W. B. Dean. 2,504,657, Apr. 18.
Body for vehicles, especially railway cars. A. G. Dean. 2,504,660, Apr. 18.
Body forming apparatus, Tubular. M. T. Hoffman and J. T. O'Connor. 2,529,217, Nov. 7.
Body jack. R. G. Miller. 2,497,836, Feb. 14.
Body manipulating table. A. L. Colston. 2,494,746, Jan. 17.
Body positioner for embalmers. J. F. Turley. 2,502,765, Apr. 4.
Body preserving and burial vault unit. H. Van Briggle. 2,514,684, July 11.
Body restraint. E. B. Brown. 2,520,710, Aug. 29.
Body side frame. M. P. Blomberg. 2,519,018, Aug. 15.
Body side wall for vehicles, especially railway cars. W. B. Dean. 2,504,659, Apr. 18.
Body top, Power-operated. D. E. Bramble. 2,496,487, Feb. 7.
Body trailer and body hauling apparatus. M. C. Patterson. 2,532,935, Dec. 5.
Body-warming device, Latent heat type. J. E. Feldman. 2,515,298, July 18.
Bogie for railway rolling stock. J. Waldvogel and G. Borgeaud. 2,510,443, June 6.
Bogie for railway rolling stock. J. Waldvogel and G. Borgeaud. 2,515,812, July 18.
Boiler: *See*—
- Differential boiler.
- Hot-water boiler.
- Round and sectional boiler.
- Steam boiler.
- Steam generating boiler.
- Water and fire tube boiler.
- Water-tube boiler.

Boiler. C. Z. Alexander. 2,511,683, June 13.
Boiler. E. A. Glynn. 2,494,654, Jan. 17.
Boiler. W. J. Hule. 2,520,839, Aug. 29.
Boiler. W. B. Van Wert. 2,507,232, May 9.
Boiler and heater, Water. H. E. Woolery. 2,532,527, Dec. 5.
Boiler combustion chamber control. A. J. H. Hassell. 2,494,173, Jan. 10.
Boiler construction. A. C. Baumann and G. K. Hurd. 2,502,071, Mar. 28.
Boiler device. G. S. Neeley. 2,499,670, Mar. 7.
Boiler furnace. L. Satchwell and W. H. Wilson. 2,534,377, Dec. 19.
Boiler regulator for heating liquid fuel for oil burners, Hot-water. E. C. Stauffer. 2,524,608, Oct. 3.
Boiler structure. J. J. Oakes. 2,494,140, Jan. 10.

Boiler water drum mounting. G. O. French. 2,529,078, Nov. 7.
Boiler water feed device. T. N. Pinion. 2,519,600, Aug. 22.
Boiler with superheater, Sectional. W. Knox. 2,516,057, July 18.
Bolometer. R. J. Havens and H. S. Stewart. 2,516,873, Aug. 1.
Bolometer. V. S. Rutherford and J. F. English, Jr. 2,524,478, Oct. 3.
Bolometer bridge, Ambient temperature compensated. J. P. Leiphart. 2,495,268, Jan. 24.
Bolster for log haulers, Pivoted. R. G. Le Tourneau. 2,530,776, Nov. 21.
Bolster suspension, Railway truck. J. C. Travilla, Jr. 2,510,353, June 6.
Bolt, Anchor. H. F. Kempton. 2,521,065, Sept. 5.
Bolt, Anchor or toggle. O. A. Stelter. 2,519,511, Aug. 22.
Bolt anchorage. T. C. Schenk. 2,524,480, Oct. 3.
Bolt and nut fixture. R. T. Reese. 2,531,892, Nov. 28.
Bolt mechanism. L. A. Anderson and H. C. Pearson. 2,503,575, Apr. 11.
Bolt mechanism for machine guns. E. C. Hedges. 2,529,391, Nov. 7.
Bolt mount, Lock or latch. E. J. Baumé. 2,508,702, May 23.
Bolt placing tool. D. L. Smith. 2,526,910, Oct. 24.
Bolt, Plow bottom. C. V. Beckstrom. 2,527,616, Oct. 31.
Bolt pointer. W. Economous. 2,535,398, Dec. 26.
Bolt, Threadless. D. S. Salmi. 2,505,915, May 2.
Bolt, Toggle. L. M. Seely. 2,532,040, Nov. 28.
Bolt type fastener. J. S. Grossman. 2,527,413, Oct. 24.
Bolting together wooden members. B. Lindham. 2,515,308, July 18.
Bomb, Colored smoke. J. C. Driskell. 2,502,442, Apr. 4.
Bomb. Dirigible. R. D. Wyckoff, J. W. Fitzwilliam, and D. Salvetti. 2,495,304, Jan. 24.
Bomb dismantling apparatus. W. G. Axtell and G. H. Todd. 2,512,597, June 27.
Bomb handling means. I. M. Laddon and T. P. Hall. 2,520,317, Aug. 29.
Bomb, Insecticide. G. Brown. 2,532,144, Nov. 28.
Bomb release means, Coordinated. T. D. Castor, W. A. Dillman, W. B. Fehring, and C. H. Strandberg. 2,507,767, May 16.
Bomb release system. L. S. Brown. 2,504,492, Apr. 18.
Bomb salvage. W. G. Axtell and G. H. Todd. 2,510,056, June 6.
Bomb shackle. G. W. Wardwell, Jr. 2,534,744–5, Dec. 19.
Bomb shackle release. D. E. Schwartz and R. E. Kemelhor. 2,535,095, Dec. 26.
Bombsight. P. M. S. Blackett and H. J. J. Braddick. 2,529,324, Nov. 7.
Bomb sight, Synchronizing. T. H. Barth. 2,534,397, Dec. 19.
Bombing attachment, Low altitude. T. H. Barth. 2,516,290, July 25.
Bonding. O. M. Arnold. 2,522,082, Sept. 12.
Bonding cellular thermoplastic bodies. L. A. Matheson. 2,521,470, Sept. 5.
Bonding conductors. C. D. Kifer and J. S. Hale. 2,506,026, May 2.
Bonding machine. H. Hacklander and C. P. Sweeny. 2,534,593, Dec. 19.
Bonding machine, Electronic. H. Hacklander. 2,509,595, May 30.
Bonding materials electrically. C. N. Hoyler. 2,525,355, Oct. 10.
Bonding mineral insulating material. H. Napier. 2,495,597, Jan. 24.
Bonding of rayon filaments to rubber. D. Entwistle. 2,502,406, Mar. 28.
Bonding of textile yarns to rubber. D. Entwistle. 2,511,629, June 13.
Bonding team for protection against lead sheath corrosion. E. J. Merrell. 2,520,046, Aug. 22.
Bonding thermoplastic materials. F. J. Dofsen and E. L. Danielson. 2,492,973, Jan. 3.
Bonding three or more metal units. F. H. Wolff, Jr. 2,522,329, Sept. 12.
Bone meal extractor. H. E. Hipps and E. J. Kupjack. 2,526,662, Oct. 24.
Bone screw and fastening. J. H. Giesen. 2,532,296, Dec. 5.
Bone splint. H. Wichman. 2,501,978, Mar. 28.
Boning device, Fish. R. M. Berglund. 2,534,219, Dec. 19.
Bonnet, Polishing. F. Livingston. 2,507,412, May 9.
Bookbinder. J. P. Rose. 2,505,743, Apr. 25.
Bookbinding. E. L. Budden. 2,516,446, July 25.
Book binding. E. Phillips. 2,526,270, Oct. 17.
Bookbinding machine. A. Freundlich. 2,532,443, Dec. 5.
Book construction. C. L. Andrew. 2,502,813, Apr. 4.
Book cover. V. D. Soderberg. 2,516,809, July 25.
Book cover and handbag or wallet, Combination. B. Maier. 2,523,129, Sept. 19.
Book, Crossword puzzle. H. J. Kelly. 2,517,115, Aug. 1.
Book end. T. K. Lewis. 2,529,031, Nov. 7.
Bookholder. R. J. Payne. 2,528,318, Oct. 31.
Bookholder. C. A. Steele. 2,505,590, Apr. 25.
Bookholder. C. Weisheit. 2,503,015, Apr. 4.
Bookkeeping device. J. B. Adams. 2,523,803, Sept. 26.
Book lock. F. Teasdale. 2,506,846, May 9.
Book match. M. Polacsek. 2,527,328, Oct. 24.
Book match cover. V. J. Gentile. 2,510,217, June 6.
Book, Photo record. A. G. De Vry. 2,500,528, Mar. 14.
Bookrack, Self-closing. D. S. Kudrikoff. 2,534,456, Dec. 19.
Bookshelf for auto steering wheels. R. C. Dobbs. 2,518,127, Aug. 8.
Book-stitching machine. E. W. Belluche. 2,513,276, July 4.
Book structure, Educational. K. K. Clark. 2,527,242, Oct. 24.
Book support. H. R. Faulkner, J. N. Pettus, and J. R. Bradshaw. 2,494,382, Jan. 10.
Boom, Foldable. J. A. Marcantonio. 2,529,454, Nov. 7.
Boom, Hydraulically operated. T. Andersen and C. C. Colby. 2,512,733, June 27.
Boom stop for load handling machines. W. M. Huston. 2,509,686, May 30.
Boom stop, Safety. E. F. Rueter. 2,529,193, Nov. 7.
Booster ram assembly for hydraulic motors, Adjustable. L. C. Cole. 2,526,809, Oct. 24.
Booster starting system, Electrical. T. L. Dugan. 2,521,969, Sept. 12.
Boot drying tree. D. A. Mills. 2,529,565, Nov. 14.
Boot for horses, Skid. R. G. Eggeman. 2,512,925, June 27.
Bootjack and mud scraper, Combined. M. H. Johnstone. 2,525,174, Oct. 10.
Boot, Rubber-coated stocking-foot. G. W. Gottschalk. 2,533,453, Dec. 12.
Boot, Safety. H. A. Davis. 2,526,997, Oct. 24.
Boot, Ski. J. E. Andre. 2,531,763, Nov. 28.
Boot, Surgical. F. E. Gogerty. 2,494,701, Jan. 17.
Boot, Waterproof ski. L. Rome. 2,494,964, Jan. 17.
Boot with front and rear reinforcing strips, Flexible. L. H. L'Hollier. 2,498,437, Feb. 21.
Boot with stretchable leg section. L. H. L'Hollier and N. E. Tousley. 2,507,726, May 16.
Boot with welted sole construction. P. D. Earl. 2,500,937, Mar. 21.
Bootee blocking form, Adjustable baby's. M. K. Wright. 2,534,749, Dec. 19.
Boots, Making full-lined. L. H. L'Hollier. 2,515,050, July 11.
Booth and baking oven, Combination paint. W. J. Miskella. 2,498,339, Feb. 21.
Booth and shower bath apparatus, Portable dressing. F. B. Brown. 2,519,430, Aug. 22.
Booth table support. A. F. Budd. 2,509,332, May 30.
Borax spinning bath. W. A. Hare and F. K. Signaigo. 2,516,316, July 25.
Bore finishing tool. B. L. Johnson. 2,535,637, Dec. 26.
Boric acid, Manufacture of. J. Wiseman. 2,531,182, Nov. 21.
Boring and other machines. W. Swift. 2,516,731, July 25.
Boring apparatus. F. H. Kind. 2,519,476, Aug. 22.
Boring bar holder. A. M. Thomas 2,497,059. Feb 7.
Boring head, Taper. C. Tree. 2,517,738, Aug. 8.
Boring machine, Multiple. J. J. Croft, Sr. 2,535,670, Dec. 26.
Boring machine, Pipe. B. Guyer. 2,531,909, Nov. 28.
Boring machine, Posthole. I. W. Talbot. 2,522,848, Sept. 19.
Boring machine, Ring. A. H. Bates. 2,501,659, Mar. 28.
Boring machine, Vertical. J. C. Williams. 2,529,753, Nov. 14.
Boring tool. O. R. Briney, Jr. 2,506,338, May 2.
Boring tool. H. D. Heron. 2,495,583, Jan. 24.
Boron-titanium steels, Production of thermally hardenable. M. J. Day. 2,528,867, Nov. 7.
Bottle. H. R. Holzapfel. 2,533,806, Dec. 12.
Bottle and holder therefor. C. H. Burger. 2,533,349, Dec. 12.
Bottle attachment for measuring doses by tipping. C. J. Romyns. 2,532,787, Dec. 5.
Bottle candler. R. O. Thome. 2,523,164, Sept. 19.
Bottle cap. H. A. Schuler. 2,530,999, Nov. 21.
Bottle cap. N. P. Smith. 2,501,636, Mar. 21.
Bottle cap lifter. F. H. Whiteley. 2,516,439, July 25.
Bottle cap lifting and retaining tool. S. Bloomfield and R. S. Wallach. 2,510,459, June 6.
Bottle carrier. G. M. Acton. 2,535,113, Dec. 26.
Bottle carrier. G. H. Allington and J. M. Grzelak. 2,514,358, July 11.
Bottle carrier. G. A. Arnett. 2,525,633, Oct. 10.
Bottle carrier. W. M. Bassichis. 2,499,126, Feb. 28.
Bottle carrier. W. M. Bassichis. 2,506,331, May 2.
Bottle carrier. J. T. Clore. 2,503,544, Apr. 11.
Bottle carrier. A. E. Cole. 2,524,517, Oct. 3.
Bottle carrier. L. W. Deerwester. 2,513,715, July 4.
Bottle carrier. M. L. Everhart. 2,510,392, June 8.
Bottle carrier. H. Z. Gray. 2,527,478, Oct. 24.
Bottle carrier. M. G. Hall. 2,532,446, Dec. 5.
Bottle carrier. M. G. Hall and M. H. Kowal. 2,508,943, May 23.
Bottle carrier. M. E. Harris. 2,512,060, June 20.
Bottle carrier. C. F. Koerber. 2,513,495, July 4.
Bottle carrier. J. K. Laier. 2,532,725, Dec. 5.
Bottle carrier. S. N. Lebold. 2,505,192, Apr. 25.
Bottle carrier. S. Lighter. 2,535,741, Dec. 26.
Bottle carrier. A. F. Listman. 2,510,591, June 6.
Bottle carrier. H. E. Mueller. 2,514,252, July 4.
Bottle carrier. D. M. Schneider. 2,518,823, Aug. 15.

Bottle carrier. J. B. Waller. 2,531,092, Nov. 21.
Bottle carrier. F. A. Wyatt. 2,522,080, Sept. 12.
Bottle contents quantity indicator. M. P. Villane, C. G. Dailey, and F. R. Wisentaner. 2,534,882, Dec. 26.
Bottle, Continuous delivery chemical wash. N. F. Floyd. 2,533,726, Dec. 12.
Bottle cooler. H. W. Whitmore. 2,529,439, Nov. 7.
Bottle dispensing cabinet. E. M. Fulmer. 2,506,717, May 9.
Bottle filler valve. J. Kantor. 2,514,072, July 4.
Bottle filler valves. J. E. Duer. 2,501,764, Mar. 28.
Bottle handler having pivoted jaws. W. H. Mercer. 2,516,785, July 25.
Bottle heater. G. W. Brown. 2,500,241, Mar. 14.
Bottle holder. R. Forrest. 2,496,527, Feb. 7.
Bottleholder. P. Haywa. 2,520,203, Aug. 29.
Bottle holder. W. L. Kinnebrew. 2,496,478, Feb. 7.
Bottleholder. L. Lapointe. 2,513,029, June 27.
Bottle holder. H. H. McFarland. 2,500,846, Mar. 14.
Bottleholder. J. A. Meredith. 2,511,864, June 20.
Bottleholder. D. M. Suich. 2,522,647, Sept. 19.
Bottleholder for bars. W. Beckovich. 2,517,829, Aug. 8.
Bottleholder for household refrigerators. A. H. Paschell. 2,512,502, June 20.
Bottle, Ileostomy. C. A. Johnson. 2,528,227, Oct. 31.
Bottle, Milk. B. F. Hartley. 2,510,104, June 6.
Bottle, Nursing. T. Bailey. 2,493,380, Jan. 3.
Bottle, Nursing. J. Cipyak. 2,514,744, July 11.
Bottle opener, Fulcrum type. F. K. Krag. 2,533,818, Dec. 12.
Bottle, Rubber hot-water. A. J. Tattersall. 2,512,448, June 20.
Bottle seal cutter. M. F. Zuba. 2,497,388, Feb. 14.
Bottle supporting bracket. F. L. Clute. 2,527,796, Oct. 31.
Bottle top and applicator, Combined. W. Raab. 2,529,964, Nov. 14.
Bottle, Valved nursing. A. E. Brown. 2,529,794, Nov. 14.
Bottle-washing machine. C. L. Gerlach. 2,508,021, May 16.
Bottle with temperature indicator. M. L. Frumkin. 2,505,037, Apr. 25.
Bottled beverage case. H. S. Deichert. 2,526,335, Oct. 17.
Bottom-casting ingots in molds. B. M. Tigerschiöld, 2,509,618, May 30.
Bottom construction for paperboard containers. G. Loth. 2,502,384, Mar. 28.
Bottom for ovens or broilers, Detachable. G. Klein. 2,498,554, Feb. 21
Bottom margin control device for typewriters. C. Y. Lee and Q. H. Hu. 2,535,539, Dec. 26.
Boundary layer remover for airplanes. W. R. Custer. 2,532,482, Dec. 5.
Bourdon spring and load element. W. I. Caldwell. 2,495,314, Jan. 24.
Bow construction, Transverse. A. Keller. 2,501,392, Mar. 21.
Bow correcting apparatus. J. D. Robertson. 2,496,312. Feb. 7.
Bow having an elastic string, Rigid archery. G. Virneburg. 2,496,140, Jan. 31.
Bow, Hinged. B. J. Grenier. 2,514,638, July 11.
Bow, Shoulder. C. A. Diehr. 2,520,713, Aug. 29.
Bow sight. G. T. Bradley. 2,534,946, Dec. 19.
Bowstring and making same. N. B. Lay. 2,508,521, May 23.
Bow unit for suspending a boat from a trailer. C. H Holsclaw. 2,520,144, Aug. 29.
Bowl and cover, Double. C. D. Swartout. 2,507,425, May 9.
Bowl, Centrifugal. G. J. Strezynski. 2,500,100, Mar. 7.
Bowl, Fiber scouring and washing. E. H. Brooks, Sr. 2,493,944, Jan. 10.
Bowl for animals, Self-cleaning drinking. W. H. Sheldon. 2,513,753, July 4.
Bowl, Nonoverflowing toilet. B. E. Sceroler. 2,531,475, Nov. 28.
Bowl, Odorless toilet. E. H. Kraus. 2,526,952. Oct. 24.
Bowl, Reflector. J. S. Hamel. 2,499,580, Mar. 7.
Bowl, Salad. V. E. Tinder. 2,533,853, Dec. 12.
Bowling alley. H. G. Snyder. 2,531,168, Nov. 21.
Bowling alley gutter cleaner. D. A. McGregor. 2,509,604, May 30.
Bowling alley, Miniature. J. A. Crowley. 2,535,724, Dec. 26.
Bowling alley pin and ball separating and conveying mechanism. A. M. Simpson. 2,531,167, Nov. 21.
Bowling alley signal switch. C. T. Kovac. 2,517,683, Aug. 8.
Bowling ball retarding device for bowling alley runways. E. Hedenskoog. 2,530,429, Nov. 21.
Bowling ball, Tip-delivering. C. D. Jones. 2,529,024, Nov. 7.
Bowling game comprising automatic means for setting up and separating the bowling elements. E. W. Peck. 2,495,473, Jan. 24.
Bowling pin handling apparatus. E. Hedenskoog. 2,531,429, Nov. 28.
Bowling pin having plastic-impregnated fabric coating. E. W. Bergere. 2,535,033, Dec. 26.
Bowling pin raising and lowering mechanism. S. A. Frye. 2,530,385, Nov. 21.

Box: *See*—
Advertising sign display box.
Artist's sketch box.
Automatic transmission gear box.
Bait box.
Bobbin box.
Budget box.
Card box.
Cigarette box.
Collapsible box.
Cushioned packing box.
Deck-access box.
Demountable cold box.
Display box.
Dough raising box.
Drag and carting box.
Dry-storage box.
Electric outlet box.
Electrically heated lunch box.
Fender mounted directional signal box.
Fish and gun box.
Folding box.
Folding cardboard box.
Folding paper box.
Fuel oil tank intake box.
Gear box.
Journal box.
Junction box.
Juvenile furniture music box.
Key cutoff box.
Knockdown box.
Lubricating box.
Lunch box.
Miter box.
Multicompartment box.
Music box.
Novelty box.
Ornamental box.
Paperboard box.
Portable combination cash and ticket box.
Portable wire-bound box.
Powder box.
Reinforced luggage box.
Removable journal box.
Round cornered folding box.
Sectional display box.
Shipping and display box.
Shuttle binder box.
Squirrel-call sound box.
Stuffing box.
Suction box.
Surprise gift box.
Switch box.
Tackle box.
Tapping box.
Thermos lunch box.
Utility cement mixing box.
Vanity box.
Vegetable box.
Window provision box.

Box. E. J. Nugent. 2,514,587, July 11.
Box. J. C. Simpson. 2,507,824, May 16.
Box and closure therefor. E. Schall. 2,518,256, Aug. 8.
Box and cover therefor, Cooling. E. H. Gott. 2,531,729, Nov. 28.
Box and crate, Shipping. A. R. Ross. 2,528,551, Nov. 7.
Box and handle therefor, Folding. A. Whittaker. 2,524,152, Oct. 3.
Box and hinge structure therefor. J. C. Kazimier. 2,508,951, May 23.
Box and similar container. W. J. Cella. 2,532,833, Dec. 5.
Box and support. M. M. Tierney. 2,534,742, Dec. 19.
Box and the like and cable clamp for the same, Electric junction. A. L. Smith. 2,532,427, Dec. 5.
Box closure, Temporary outlet. H. H. Geist. 2,506,207 May 2.
Box construction. H. B. Lermer. 2,504,850, Apr. 18.
Box construction. L. Sofo. 2,505,156, Apr. 25.
Box construction, Collapsible. E. V. Smith and E. T. Dunn. 2,525,838, Oct. 17.
Box construction, Folding paper. H. S. Blandford. 2,522,598, Sept. 19.
Box construction, Knockdown. A. G. Hazen. 2,497,453, Feb. 14.
Box, crate, or similar receptacle. J. F. Cella. 2,508,445, May 23.
Box end closure. L. James. 2,499,647, Mar. 7.
Box for a mold base, Ejector. I. T. Quarnstrom. 2,512,379, June 20.
Box for beehives, Honey. J. E. Willard. 2,525,251, Oct. 10.
Box for boats, Fish. J. J. Madeksho. 2,493,203, Jan. 3.
Box for looms, Shuttle. A. H. La Freniere. 2,501,394, Mar. 21.
Box for looms, Shuttle. F. J. Sullivan and A. R. Abbott. 2,494,913, Jan. 17.
Box for loose-leaf holders. E. T. Belmont. 2,495,687, Jan. 31.
Box for photographic enlargers, Suction. L. E. Partridge. 2,535,952, Dec. 26.
Box for sewing-machine tables, Work conveying. D. J. Hogan. 2,495,524, Jan. 24.
Box for single-phase motors, Conduit. J. M. Stein and R. W. Egglestone. 2,495,189, Jan. 17.
Box for transport, Chore. J. H. Furnas. 2,524,048, Oct. 3.
Box for turret machine tools, Roller. A. Saunders. 2,513,819, July 4.
Box forming machine. G. T. Hart and M. Seymour. 2,535,413, Dec. 26.
Box handling aparatus. J. Albertoli. 2,517,956, Aug. 8.
Box hook. J. G. Day. 2,506,349, May 2.
Box kite. W. M. Foy. 2,533,570, Dec. 12.
Box lidder, Wire-bound. L. H., L. H., Jr. and J. D. Platt. 2,517,710, Aug. 8.
Box or carton, Double walled. K. T. Buttery. 2,495,807, Jan. 31.
Box or container. F. Peters. 2,507,319, May 9.
Box or container, Covered. K. T. Buttery. 2,493,338, Jan. 3.
Box or crate. A. C. Thompson. 2,493,701, Jan. 3.
Box or crate. A. C. Thompson. 2,519,860, Aug. 22.
Box strapping tool. H. C. Doolittle. 2,524,654, Oct. 3.
Box structure, Stuffing. J. N. Mickelwait and J. R. Gibbs. 2,502,872, Apr. 4.
Box unit, Collapsible. A. Taylor. 2,532,863, Dec. 5.
Box with heat exchanger, Paint pressure. E. A. A. Axelson and C. A. Löfgren. 2,499,447, Mar. 7.

Box with pilot light, Safety outlet. C. L. Oswald. 2,518,812, Aug. 15.
Box with translatable cover, Moldable coin collection. R. L. Keeler. 2,521,295, Sept. 5.
Boxes, Making steel toe. W. W. Somersall. 2,533,528, Dec. 12.
Bra. L. N. Reger. 2,495,479, Jan. 24.
Brace, Adaptable. H. S. Jones. 2,512,943, June 27.
Brace, Adjustable rail. A. F. Huber and C. E. Godfrey. 2,504,838, Apr. 18.
Brace and adjuster for rearview mirrors. J. Van Gelder. 2,526,306, Oct. 17.
Brace, Ankle. J. M. Hauser and B. M. Snow. 2,516,872, Aug. 1.
Brace, Automatic adjustable rail. A. R. Schulze. 2,525,185, Oct. 10.
Brace-bar for spectacle mountings, Variable size. H. H. Styll. 2,508,872, May 23.
Brace, Bomb sway. G. J. Ruppert. 2,526,903, Oct. 24.
Brace, Collapsible. W. J. Dunn and R. R. Richolt. 2,517,183, Aug. 1.
Brace, Drop foot. M. A. Park. 2,525,237, Oct. 10.
Brace for construction forms. L. L. Anthony. 2,518,112, Aug. 8.
Brace for furniture, Corner. P. V. Anderson. 2,520,231, Aug. 29.
Brace for sawhorses, Metal. O. L. Dustman. 2,533,776, Dec. 12.
Brace, Freight load. R. J. Bildhauer. 2,514,466, July 11.
Brace, Hinged. F. E. Masek. 2,515,352, July 18.
Brace, Orthopedic. A. J. Pieterick. 2,516,253, July 25.
Brace, Rail. G. Arnold and H. A. Schultz. 2,524,586, Oct. 3.
Brace, rail. G. Arnold, H. A. Schultz, and E. E. Rhoads. 2,524,585, Oct. 3.
Brace, Rail. G. S. Vickroy. 2,515,678, July 18.
Brace, Selective two-speed. A. W. Clark. 2,520,456, Aug. 29.
Brace, Semiautomatic adjustable rail. G. S. Vickroy. 2,504,475, Apr. 18.
Bracelet. C. Holl. 2,524,976, Oct. 10.
Bracelet. E. M. Swanson. 2,506,396, May 2.
Bracelet and making the same. J. Kreisler. 2,498,211, Feb. 21.
Bracelet chain. K. Speck. 2,528,185, Oct. 31.
Bracelet, Coin-holding. C. Hamilton. 2,521,006, Sept. 5.
Bracelet, Expansible. L. A. Anderson. 2,501,252, Mar. 21.
Bracelet, Expansion. K. C. Augenstein. 2,515,817, July 18.
Bracelet, Expansion. S. Meyerson. 2,515,884, July 18.
Bracelet fastener. E. G. Vogel. 2,503,570, Apr. 11.
Bracelet, Insert. W. H. Apps. 2,522,852, Sept. 19.
Bracelet, Reminder. B. F. Hettinger. 2,510,224, June 6.
Bracelet, Wool yarn dispensing. H. Kellerman. 2,508,173, May 16.
Bracelet, Wrist. D. Megar. 2,518,163, Aug. 8.
Bracelet, Wrist watch. J. W. Meyers. 2,517,011, Aug. 1.
Bracelets, Making. R. L. Wells. 2,495,560, Jan. 24.
Bracing means, Can. R. G. Hussong. 2,510,635, June 6.
Bracing tubes internally for specific use in constructing aluminum or magnesium ladders. A. O. Reed. 2,516,020, July 18.
Bracket: *See*—
Adjustable bracket.
Adjustable hanger bracket.
Antenna mast supporting bracket.
Auto mirror bracket.
Basket mounting bracket.
Bottle supporting bracket.
Clothesline bracket.
Clothesline hanger bracket.
Coupler operating rod bracket.
Curtain rod bracket.
Decoy attaching bracket.
Detachable bracket.
Detachable crutch bracket.
Flush valve bracket.
Grease gun bracket.
Highway guard structure bracket.
Hoist bracket.
Insulator supporting bracket.
Ladder bracket.
Lighting fixture bracket.
Locking bracket.
Mounting bracket.
Radiator bracket.
Roll-shaper supporting bracket.
Sawhorse bracket.
Scaffold supporting bracket.
Shade bracket.
Shelf bracket.
Side frame bracket.
Spring-frame supporting bracket.
Supporting bracket.
Swinging telephone bracket.
Switch box bracket.
Venetian blind bracket.
Venetian blind head-bar supporting bracket.
Venetian blind installation bracket.
Wallpaper supporting bracket.
Window shade bracket.
Bracket. E. R. Davis. 2,504,005, Apr. 11.
Bracket. T. W. Tregear. 2,506,119, May 2.
Bracket. F. L. Vernon. 2,513,605, July 4.
Bracket and channel circle gutter support. M. Rachlin. 2,534,145, Dec. 12.
Bracket and extension mounting means therefor, Venetian blind. H. B. Chatfield. 2,498,068, Feb. 21.
Bracket and supporting attachment for tractors. H. J. Kuhlman. 2,499,654, Mar. 7.
Bracket and the like, Spindle bar mounting. B. W. Olson. 2,529,738, Nov. 14.
Bracket and top mounting means therefor, Venetian blind. H. B. Chatfield. 2,501,029, Mar. 21.
Bracket for attaching electrical fixtures and conduit and other conduits to roof and floor decking. M. R. Austin. 2,518,515, Aug. 15.
Bracket for barn door tracks. R. G. Ferris. 2,513,088, June 27.
Bracket for basketball goals. C. J. Cook. 2,512,417 June 20.
Bracket for curtains and draperies. W. H. Comerford and J. L. Golding. 2,524,426, Oct. 3.
Bracket for curtains and draperies. J. L. Golding, I. C. Bowman, and W. H. Comerford. 2,497,446, Feb. 14.
Bracket for flush tank valve-stems, Guide. B. O. Graham. 2,518,679, Aug. 15.
Bracket for hydrogen-cooled generators, Bearing. C. C. Sterrett. 2,504,899, Apr. 18.
Bracket for illuminating tubes, Hanging. B. C. Pretzer. 2,509,109, May 23.
Bracket for ladders, Angle. B. C. Dyer. 2,498,944, Feb. 28.
Bracket for orthodontia, Edgewise. A. B. Brusse. 2,527,526, Oct. 31.
Bracket for remote control units. D. C. Rockola. 2,531,645, Nov. 28.
Bracket for signal lanterns. F. Sherman. 2,535,962, Dec. 26.
Braided product and producing the same. N. C. Jeckel. 2,494,389, Jan. 10.
Braiding machine. E. F. Clark. 2,513,451, July 4.
Braiding stand. H. R. Swett. 2,524,490, Oct. 3.
Brake: *See*—
Adjustable free-floating brake.
Adjustable transversely engaging brake.
Air brake.
Automatic trailer brake.
Automatically adjustable brake.
Axially engaging fluid pressure brake.
Cam actuated disk brake.
Caster brake.
Clasp brake.
Coaster brake.
Cooled disk-type brake.
Disk brake.
Dual action safety brake.
Electric brake.
Electrically controlled brake.
Electromagnetic rail brake.
Electromagnetically controlled brake.
Fluid operated disk brake.
Fluid pressure operated disk brake.
Friction brake.
Hand brake.
Handle lever operated power multiplying hand brake.
Heavy-duty coaster brake.
Hoist brake.
Hydraulic resistance brake.
Hydrokinetic brake.
Internal radially acting hydraulic wheel brake.
Internally expanding brake.
Load compensated air brake.
Load responsive brake.
Manually controlled power hydraulic brake.
Multiple operated vehicle brake.
Muzzle brake.
Parking brake.
Printing press brake.
Rail brake.
Railroad car brake.
Railway brake.
Rod brake.
Rotor brake.
Rotor type railway brake.
Retractable air brake.
Rim grip brake.
Rope brake.
Sleigh brake.
Spindle brake.
Spring-applied electromagnetic released brake.
Spring applied vacuum released brake.
Truck brake.
Two-forward shoe self-centering brake.
Variable load brake.
Brake. W. H. Baselt. 2,494,280, Jan. 10.
Brake. A. Y. Dodge. 2,508,105, May 16.
Brake. R. A. Goepfrich and B. E. House. 2,527,126, Oct. 24.
Brake. B. E. House. 2,506,084, May 2.
Brake. B. E. House. 2,509,643, May 30.
Brake. B. E. House. 2,516,995, Aug. 1.
Brake. B. E. House and R. A. Goepfrich. 2,502,948, Apr. 4.
Brake. R. A. Jewell. 2,525,550, Oct. 10.
Brake. A. H. Oelkers. 2,508,336, May 16.
Brake. R. C. Russell 2,496,497, Feb. 7.
Brake. E. J. Simanek. 2,512,686, June 27.
Brake. E. J. Simanek and N. Flesch. 2,512,685, June 27.
Brake. R. K. Super. 2,516,160, July 25.
Brake actuator, Self-adjusting hydraulic. F. M. Fike. 2,513,015, June 27.
Brake adjuster. H. E. Bartsch. 2,513,275, July 4.
Brake adjuster, Automatic. V. M. Schuster. 2,527,156, Oct. 24.
Brake adjuster, Nonscoring. F. Krikorian. 2,522,181, Sept. 12.
Brake adjusting and regulating means, Hydraulic. R. F. Huffman. 2,503,488, Apr. 11.
Brake anchor pin. M. M. Campbell and H. Krasne. 2,519,952, Aug. 22.
Brake and clutch unit, Combination. R. E. Wissman. 2,505,600, Apr. 25.
Brake and freewheeling device, Coaster. W. L. Crawford. 2,509,628, May 30.
Brake and slack take-up system, Railway car. K. F. Nystrom and V. L. Green. 2,514,588, July 11.
Brake and spring suspension linkage. P. Heftler. 2,495,719, Jan. 31.
Brake apparatus. W. B. Kirk. 2,531,055, Nov. 21.
Brake apparatus, Fluid pressure. N. G. Cadman. 2,515,946, July 18.

Brake apparatus, Fluid pressure. K. H. Leech and C. F. B. Shattock. 2,498,498, Feb. 21.
Brake applied and released by fluid pressure, Friction. C. M. Anderson. 2,527,290, Oct. 24.
Brake applying mechanism for rocking wheel vehicles. V. B. King. 2,495,933, Jan. 31.
Brake arrangement, Railway. E. J. Simanek. 2,512,687, June 27.
Brake beam. W. H. Baselt and L. L. Whitney. 2,500,232, Mar. 14.
Brake beam. C. R. Busch. 2,493,913, Jan. 10.
Brake beam. R. B. Cottrell. 2,499,905, Mar. 7.
Brake beam. R. T. Leisk. 2,500,192, Mar. 14.
Brake beam. L. L. Whitney. 2,496,685, Feb. 7.
Brake beam and making. L. L. Whitney. 2,517,747, Aug. 8.
Brake beam assembly, Trussed. O. Otterson. 2,525,368, Oct. 10.
Brake beam casting. R. B. Cottrell. 2,525,775, Oct. 17.
Brake beam, Fabricated. L. L. Whitney. 2,500,233, Mar. 14.
Brake beam fulcrum. N. Flesch. 2,517,190, Aug. 1.
Brake beam, head and guide structure. R. B. Cottrell. 2,524,726, Oct. 3.
Brake beam, head and guide structure. C. E. Tack. 2,524,740, Oct. 3.
Brake beam safety support. L. W. Kass. 2,505,974, May 2.
Brake beam safety support. L. W. Kass and C. A. Hendrickson. 2,514,074, July 4.
Brake beam support. W. H. Sale. 2,529,353, Nov. 7.
Brake beam support on truck frame. W. H. Baselt. 2,525,762, Oct. 17.
Brake beam support structure, Railway. S. J. Walker. 2,499,549, Mar. 7.
Brake beam with frictionally mounted head. L. Gothberg. 2,517,199, Aug. 1.
Brake beam with guide lug. W. H. Baselt. 2,499,899, Mar. 7.
Brake beam with mounting elements. H. W. Ekholm. 2,519,896, Aug. 22.
Brake beam with nut lock and retainer means. C. R. Moline. 2,515,886, July 18.
Brake beam with reversible fulcrum. L. L. Whitney. 2,528,024, Oct. 31.
Brake beam with safety head retainer. F. W. Lewis. 2,507,168, May 9.
Brake bleeder system, Hydraulic. H. T. Beawell. 2,524,544, Oct. 3.
Brake bleeding and filtering system, Hydraulic. W. W. Kattner. 2,502,050, Mar. 28.
Brake booster. W. Stelzer. 2,532,960, Dec. 5.
Brake control, Air released spring set. S. Schnell. 2,525,461, Oct. 10.
Brake control device, Automatic. M. M. M. Billon. 2,517,078, Aug. 1.
Brake control means. E. R. Bule. 2,507,140, May 9.
Brake control system for centrifugal machines or the like, Friction. J. Hertrich. 2,535,854, Dec. 26.
Brake control, Trailer. V. H. Best. 2,524,026, Oct. 3.
Brake controlled ignition and light switch, and gear shift lever lock, Parking. W. H. Mullins and W. M. Gentry. 2,499,276, Feb. 28.
Brake cylinder device. A. J. Bent. 2,501,707, Mar. 28.
Brake cylinder in which booster fluid is applied upon movement of the cylinder, Power boosted master. H. F. Groebe. 2,524,012, Sept. 26.
Brake cylinder pressure control valve device. R. T. Whitney. 2,508,206, May 16.
Brake cylinder support. S. Schnell. 2,496,562, Feb. 7.
Brake device. R. L. J. B. Sanmori. 2,499,684, Mar. 7.
Brake device for scaffold machines. J. Huck. 2,510,340, June 6.
Brake disk. H. J. Butler. 2,525,648, Oct. 10.
Brake drum, Copper-cooled. I. A. Wyant. 2,506,823, May 9.
Brake drum with noise silencer. J. F. Chapman and E. Latshaw. 2,532,086, Nov. 28.
Brake energizer, Electrohydraulic. D. F. Bertonneau. 2,496,431, Feb. 7.
Brake equipment, Load compensating fluid pressure. E. E. Hewitt. 2,528,143, Oct. 31.
Brake equipment, Tractor-truck and trailer. S. W. Russell. 2,523,846, Sept. 26.
Brake for adjustable end wrenches, Worm nut. K. W. Coates. 2,506,066, May 2.
Brake for aircraft wheels having retractable supports. H. Trevaskis. 2,502,110, Mar. 28.
Brake for automotive vehicles, Electrodynamic. J. G. Oetzel. 2,516,903, Aug. 1.
Brake for band saws, Automatic hydraulic. H. E. Petersen. 2,500,321, Mar. 14.
Brake for bicycles and the like, Hub. R. A. Sutton. 2,531,750, Nov. 28.
Brake for capacitor winding machines. S. Kaim. 2,531,913, Nov. 28.
Brake for electric motors, Dynamic. H. Y. Mageoch. 2,507,918, May 16.
Brake for fishing reels, Antibacklash. J. L. Honeycutt, Sr. 2,527,131, Oct. 24.
Brake for gun mounts, Mechanical. F. C. Eastman. 2,518,531, Aug. 15.
Brake for making S-clips, Sheet metal bending. B. R. Allen. 2,504,782, Apr. 18.
Brake for railway cars, Hand. G. E. Dath. 2,507,761, May 16.
Brake for revolving doors, Gear pump. H. G. E. Nordin. 2,529,811, Nov. 14.
Brake for rotary members, Hydraulic resistance. R. E. Cornwell. 2,529,540, Nov. 14.
Brake for rotary members, Hydraulic resistance. R. J. L. Gassot. 2,512,248, June 20.
Brake for spring-tensioned take-up reels, Automatic. A. Meletti. 2,521,178, Sept. 5.
Brake for textile machinery, One-way. J. Noguera. 2,504,571, Apr. 18.
Brake for textile mill spindles. C. E. Miller and F. H. Sweet. 2,532,261, Nov. 28.
Brake for vehicles, Friction. A. Y. Dodge. 2,518,761, Aug. 15.
Brake for vehicles, Hydrodynamic. R. O. Anderson. 2,517,531, Aug. 8.
Brake for vehicles, Parking. A. A. Rajan. 2,504,729, Apr. 18.
Brake for velocipedes, Back pedaling. E. E. Hood. 2,528,309, Oct. 31.
Brake for wheeled vehicles, Coaster. F. L. Weinheimer, Sr. 2,495,082, Jan. 17.
Brake hanger. C. E. Tack. 2,509,176, May 23.
Brake hanger and making. R. B. Cottrell. 2,535,626, Dec. 26.
Brakehead arrangement. W. A. Helsten. 2,507,015, May 9.
Brakehead arrangement. D. M. Light. 2,496,250, Jan. 31.
Brakehead arrangement. C. E. Tack. 2,507,062, May 9.
Brakehead arrangement. C. E. Tack and W. A. Helsten. 2,507,063–4, May 9.
Brake head balancing device. L. Gothberg. 2,516,696, July 25.
Brake holding device. R. L. Mayrath. 2,522,835, Sept. 19.
Brake, including balanced actuating mechanism, Expansion. C. S. Ash. 2,512,049, June 20.
Brake lever assembly, Straight pull. R. A. Sandberg. 2,522,540, Sept. 19.
Brake lever control for gasoline supply for motor vehicles. J. V. Rook. 2,500,619, Mar. 14.
Brake lever structure. H. S. Jandus. 2,531,130, Nov. 21.
Brake lining, Molded. F. J. Laher and C. F. Kelleher. 2,534,607, Dec. 19.
Brake means for spin-drier type washing machine, Automatically controllable. R. L. Archbold. 2,512,263, June 20.
Brake means for vehicles, Auxiliary. M. V. McNutt. 2,521,593, Sept. 5.
Brake mechanism. L. R. Buckendale. 2,527,528, Oct. 31.
Brake mechanism. R. W. Pointer. 2,501,578, Mar. 21.
Brake mechanism. P. D. Seghers. 2,535,097, Dec. 26.
Brake mechanism, Hydraulic. J. G. Ingres. 2,504,691, Apr. 18.
Brake mechanism, Self-adjusting hydraulic. H. H. Kerr. 2,493,250, Jan. 3.
Brake mechanism, Variable load. E. S. Cook. 2,501,713, Mar. 28.
Brake of the torsion spring and drum type. H. N. Soper, 2,514,264, July 4.
Brake operating mechanism, Flap and dive. T. Knox. 2,501,726, Mar. 28.
Brake operating or similar mechanism. A. Orscheln. 2,531,740, Nov. 28.
Brake pedal latch. C. Buckel. 2,498,246, Feb. 21.
Brake pin tool. W. W. Dick. 2,529,599, Nov. 14.
Brake pressure selector device. G. W. Pontius, III. 2,526,968, Oct. 24.
Brake release valve. L. A. Majneri. 2,504,859, Apr. 18.
Brake releasing apparatus, Automatic. W. H. Callender and G. S. Cesena. 2,532,357, Dec. 5.
Brake resetting and time delay mechanism. C. R. Gottschall. 2,498,992, Feb. 28.
Brake rigging. T. C. Crossman and E. G. Mueller. 2,526,333, Oct. 17.
Brake rigging. E. G. Mueller. 2,505,986, May 2.
Brake shoe. R. F. Smith. 2,518,828, Aug. 15.
Brake shoe construction. P. R. McEachran. 2,521,988, Sept. 12.
Brake slack adjusting apparatus. J. F. Frola. 2,505,238, Apr. 25.
Brake spring tool. R. N. Guth. 2,522,611, Sept. 19.
Brake structure. C. Hollerith. 2,499,585, Mar. 7.
Brake system, Booster. F. D. Swan. 2,494,319, Jan. 10.
Brake system, Emergency. J. M. Hudson. 2,502,152, Mar. 28.
Brake system, Fluid operated. H. W. Trevaskis. 2,494,461, Jan. 10.
Brake system for vehicles, Deceleration controlled. B. Heller. 2,512,427, June 20.
Brake system, Hydraulic. H. E. Simi. 2,514,421, July 11.
Brake system, Tractor-trailer. J. G. Ingress and E. G. Hill. 2,527,883, Oct. 31.
Brake system with emergency air pressure operator, Liquid pressure. C. Hollerith. 2,493,196, Jan. 3.
Brake testing apparatus. C. C. Elson. 2,509,816, May 30.
Brake with adjusting means, Dual operated. D. E. Moses. 2,500,853, Mar. 14.

Brake with auxiliary hydraulic brake operating means, Fluid pressure railway. E. B. Hudson. 2,511,336, June 13.
Brake with drive release. E. C. Deal. 2,531,970, Nov. 28.
Brake with rearwardly slidable clamping beam, Metal bending. R. L. Webb. 2,494,149, Jan. 10.
Brake with release. A. H. Havir. 2,505,543, Apr. 25.
Braking control, Dynamic. J. M. Newman and E. W. Seeger. 2,526,893. Oct. 24.
Braking control system, Dynamic. H. C. Roters. 2,530,131, Nov. 14.
Braking device, Automatic. C. M. Jameson. 2,507,306, May 9.
Braking device for aircraft jet turbo-propellers. R. J. Imbert. 2,527,732, Oct. 31.
Braking devices, in particular for vehicles, Electric. P. E. Bessière and L. E. Ponsy. 2,526,842, Oct. 24.
Braking element for disk brakes, Friction. G. K. Newell. 2,498,501, Feb. 21.
Braking for electric motors, Delayed. F. R. Gruner. 2,503,438. Apr. 11.
Braking means for electric motors, Electronic. J. R. Schoenbaum. 2,514,342, July 4.
Braking mechanism for machine tools. F. A. Hassman and E. D. Vancil. 2,504,413, Apr. 18.
Braking system. P. O. Morrison, Jr. 2,515,729, July 18.
Braking system, Automatic trailer. H. D. Cook. 2,508,493, May 23.
Braking system, Automotive hydraulic. R. H. Zeilman. 2,493,377, Jan. 3.
Braking system, Dynamic. M. D. Brane. 2,515,982, July 18.
Braking system, Electric. F. McCurtain. 2,532,321, Dec. 5.
Braking system, Electric motor dynamic. H. C. Krapf and E. R. Sirotak. 2,508,175, May 16.
Braking system for alternating current motors. R. E. Marbury. 2,512,354, June 20.
Braking system for induction motors. J. F. H. Douglas, E. Pell, and E. W. Seeger. 2,534,423, Dec. 19.
Braking system for motor vehicles. L. E. La Brie. 2,532,670, Dec. 5.
Branch holder. D. D. Kaminski. 2,502,049, Mar. 28.
Branch pipe breeching for pressure conduits. P. F. Danel. 2,533,720, Dec. 12.
Branding iron. G. B. Ancell, III. 2,514,618, July 11.
Brassière. S. S. Alberts. 2,528,105, Oct. 31.
Brassière. P. Amyot. 2,515,580, July 18.
Brassière. P. Amyot. 2,516,087, July 18.
Brassière. P. Amyot. 2,526,316, Oct. 17.
Brassière. V. I. Becker. 2,501,860, Mar. 28.
Brassière. V. I. Becker. 2,508,703–4, May 23.
Brassière. E. G. Borowick. 2,529,276, Nov. 7.
Brassière. S. N. Brady. 2,516,749, July 25.
Brassière. E. Cadous. 2,524,620–1, Oct. 3.
Brassière. M. E. Chaft. 2,508,903, May 23.
Brassière. H. E. Chisholm. 2,518,975, Aug. 15.
Brassière. L. B. Cooley. 2,509,263, May 30.
Brassière. G. Corbeil. 2,517,287, Aug. 1.
Brassière. H. J. Dubner. 2,513,406, July 4.
Brassière. F. E. Everitt. 2,497,934, Feb. 21.
Brassière. R. Freedman. 2,520,836, Aug. 29.
Brassière. B. Frommer. 2,507,704, May 16.
Brassière. M. Gates. 2,501,325, Mar. 21.
Brassière. G. W. Gluckin. 2,535,059, Dec. 26.
Brassière. E. L. Hutchison. 2,521,373, Sept. 5.
Brassière. B. Isaacs. 2,514,869, July 11.
Brassière. E. Kramer. 2,520,009, Aug. 22.
Brassière. E. K. La Roe. 2,508,037. May 16.
Brassière. L. M. Marshall. 2,534,721, Dec. 19.
Brassière. M. Mayer. 2,520,772, Aug. 29.
Brassière. I. Panes. 2,523,715, Sept. 26.
Brassière. H. M. Plehn. 2,506,172, May 2.
Brassière. I. Schenkman. 2,497,324, Feb. 14.
Brassière. H. Scott-Elliot. 2,520,225, Aug. 29.
Brassière. J. J. Sellarole. 2,523,395, Sept. 26.
Brassière. A. Silvain. 2,533,060, Dec. 5.
Brassière, Carrier. P. W. Shanahan. 2,503,847, Apr. 11.
Brassière construction. P. Z. Gordon. 2,506,639, May 9.
Brassière, Divided front. H. M. Ihsen. 2,523,023, Sept. 19.
Brassière, Nursing. E. Keller. 2,502,524, Apr. 4.
Brassière, Strapless. W. Rosenthal and E. Silvani. 2,512,215, June 20.
Brassière with improved stay means. B. H. Mixon. 2,508,580, May 23.
Brassières, Making. S. S. Alberts. 2,508,355, May 23.
Brazing and welding. L. R. Crouch. 2,528,040, Oct. 31.
Brazing apparatus, Automatic conveyerized. R. J. Detuno and H. W. Garbe. 2,504,815, Apr. 18.
Brazing beryllium. J. G. Warner. 2,534,643, Dec. 19.
Brazing flux. J. G. Christ and R. L. Ferguson. 2,504,802, Apr. 18.
Brazing flux composition. H. R. Williams. 2,493,372, Jan. 3.
Brazing of light metals. M. A. Miller. 2,507,346, May 9.
Bread dough in a mixer at predetermined temperatures, Producing. D. Tenney. 2,514,301, July 4.
Bread, Making. H. C. Rhodes. 2,534,734, Dec. 19.
Breakaway coupling. C. Hollerith. 2,505,245, Apr. 25.
Breakaway coupling. C. Hollerith. 2,512,939, June 27.
Breakdown device, Electrical. R. V. Pound. 2,499,777, Mar. 7.
Breakdown device of the cavity resonator type, Electrical. A. M. Stone. 2,526,911. Oct. 24.
Breakwater. R. A. Boccia. 2,514,119, July 4.
Breaker, Secondary. R. R. Pittman and C. H. Walsh. 2,520,258, Aug. 29.
Breaker strip construction. W. A. Ellsworth. 2,518,673, Aug. 15.
Breaker, Thermally operated secondary. R. R. Pittman and C. H. Walsh. 2,520,257, Aug. 29.
Breaking and inspecting device, Egg. R. White. 2,523,546, Sept. 26.
Breaking emulsions to recover wool fat. R. Shawcross. 2,522,140, Sept. 12.
Breaking petroleum emulsions. M. De Groote and B. Keiser. 2,499,370, Mar. 7.
Breaking petroleum emulsions. M. De Groote and B. Keiser. 2,500,349, Mar. 14.
Breaking petroleum emulsions. M. DeGroote and B. Keiser. 2,505,824–5, May 2.
Breaking petroleum emulsions. M. De Groote and B. Keiser. 2,507,560, May 16.
Breaking petroleum emulsions. M. De Groote and B. Keiser. 2,518,668, Aug. 15.
Breaking petroleum emulsions. M. De Groote and B. Keiser. 2,524,889–92, Oct. 10.
Breaking petroleum emulsions. B. Keiser and M. De Groote. 2,507,910, May 16.
Breast protector. A. G. Leo and T. B. Tinker. 2,516,129, July 25.
Breath tester. R. M. Glidden. 2,517,657, Aug. 8.
Breechblock for automatic firearms, Tilt locking. D. J. Salve. 2,515,315, July 18.
Breechblock for firearms. A. H. Tompkins. 2,499,103, Mar. 7.
Breech bolt reciprocating mechanism. J. A. Minasola. 2,501,137, Mar. 21.
Breech hood and breech bolt lock. A. L. Chevallier and S. Sochaczewski. 2,510,685, June 6.
Breech operating mechanism. O. L. Beardsley, R. W. Fox, and H. M. Braucher. 2,522,497, Sept. 19.
Brick and manufacture, Refractory insulating. A. S. Rankine, Jr. 2,499,229, Feb. 28.
Brick, blocks, or like elements, Refractory. M. Pirani and A. Hilliard. 2,532,190, Nov. 28.
Brick for use in suspended furnace roofs, Making refractory. R. P. Heuer. 2,527,063, Oct. 24.
Brick for use in suspended furnace roofs, Refractory. R. P. Heuer. 2,517,876, Aug. 8.
Brick fork. A. A. Noack and C. H. Schmidgall. 2,527,103. Oct. 24.
Brick machine. H. C. Sumpf. 2,524,683, Oct. 3.
Brick, Plant grower. R. S. Cain. 2,513,711, July 4.
Brick processing machine. L. Gelbman. 2,502,940, Apr. 4.
Brick veneer and clip. G. S. Benevento. 2,528,205, Oct. 31.
Bridge arrangement, Electrical. A. D. Blumlein. 2,532,142, Nov. 28.
Bridge, Automatic power. W. W. Hansen, J. R. Woodyard, and E. L. Ginzton. 2,525,901, Oct. 17.
Bridge construction for pair of eyeglasses. J. A. Gaudrault. 2,520,034, Aug. 22.
Bridge discriminator, Low-level. W. C. Moore. 2,533,496, Dec. 12.
Bridge element for catamenial devices. E. Strouse. 2,534,885, Dec. 19.
Bridge for measuring electromagnetic wave energy. M. H. Johnson, Jr. 2,496,541, Feb. 7.
Bridge, Leveling. K. J. Unwin. 2,496,645, Feb. 7.
Bridge, Loading. H. Diamond. 2,521,349, Sept. 5.
Bridge, Phase shift. W. J. Brown. 2,524,760, Oct. 10.
Bridge, Phase shifting. M. F. Reynst. 2,525,425, Oct. 10.
Bridge player accessory. E. M. Sutphin. 2,503,691, Apr. 11.
Bridge-stop for slide fasteners or the like. W. A. Erhardt, Jr. 2,501,643. Mar. 21.
Bridle bit. H. A. De Wolfe. 2,512,244, June 20.
Bridle bit. A. I. Gliha and O. R. Ruple. 2,500,312, Mar. 14.
Bridle bit. J. M. O'Donnell. 2,517,338, Aug. 1.
Bridle, Bull. M. R. Warrick. 2,533,857, Dec. 12.
Brief case. S. H. Lifton. 2,515,605, July 18.
Brief case. S. Perlin. 2,502,275, Mar. 28.
Brine, Producing purified. D. W. Hengerer. 2,516,987–8, Aug. 1.
Briquette, Detergent. J. D. MacMahon. 2,519,841, Aug. 22.
Briquette for desalting seawater. H. L. Tiger. 2,494,784, Jan. 17.
Briquette, Fumigant. H. W. Houghton. 2,519,045, Aug. 15.
Briquette, Metallurgical. R. W. Stohr. 2,497,745, Feb. 14.
Briquetting machine. G. J. Crea. 2,507,491, May 16.
Brittlizing pencil sheaths. J. E. Ake and K. Miller. 2,510,941, June 13.
Broach. A. W. Hougland. 2,525,098, Oct. 10.
Broach. K. Reinhard. 2,521,747, Sept. 12.
Broach, Barrel bedding. R. A. Hagen. 2,534,816, Dec. 19.
Broach, Knurling. C. A. Laase. 2,530,066, Nov. 14.
Broaching attachment. A. W. Seaman. 2,517,358, Aug. 1.

Broaching machine. D. Pataki and B. Welte. 2,529,705, Nov. 14.
Broaching machine. B. Welte. 2,529,718, Nov. 14.
Broaching tool. A. E. Rice. 2,510,835, June 6.
Broaching tool. L. J. Schinnerer. 2,511,298, June 13.
Broad beam radiation detector, using ultraviolet as an intermediate step. F. B. Marshall. 2,534,922. Dec. 19.
Broadcast system, Relay satellite. W. Darling. 2,531,199, Nov. 21.
Broadcasting, Method and apparatus for satellite. P. B. Laeser. 2,517,891, Aug. 8.
Broadcasting system, Radio. E. Labin and D. D. Grieg. 2,509,237, May 30.
Broiler. J. W. Doblin. 2,501,381, Mar. 21.
Broiler. A. H. Haberstump. 2,532,445, Dec. 5.
Broiler, L. D. Milligan. 2,513,580, July 4.
Broiler. F. H. Schneider. 2,512,287, June 20.
Broiler. S. Singer. 2,517,360, Aug. 1.
Broiler, Cooking stove. J. M. Cook. 2,514,936, July 11.
Broiler, Electric. R. Spigel. 2,497,241, Feb. 14.
Broiler, Portable charcoal. A. S. Bettencourt. 2,510,856, June 6.
Brominating p-toluyl benzoic acid. I. Gubelmann. 2,534,131, Dec. 26.
Bromination of trifluoromethyl derivatives of benzene. C. F. Kohl, Jr. 2,494,817, Jan. 17.
Bromine cyanide, Making. R. H. Hartigan. 2,500,946, Mar. 21.
Bromoethyl hydantoin and making same. J. E. Livak and E. C. Britton. 2,516,635, July 25.
Bronze pigment and making the same. F. B. Rethwisch and G. M. Babcock. 2,522,538, Sept. 19.
Brooder construction. A. C. Bussey. 2,501,433, Mar. 21.
Brooder, Poultry. W. E. Roberts. 2,521,480, Sept. 5.
Brooder, Transparent. W. M. McCaskell. 2,493,589, Jan. 3.
Broom corn cutter. R. R. Woods. 2,535,884, Dec. 26.
Broom hanger. J. P. Bedynek. 2,506,333, May 2.
Brush: *See*—
Paste and water dispensing brush.
Brush adjusting system. D. H. Reeves. 2,526,419, Oct. 17.
Brush and attachment therefor, Fountain. S. Brodsky. 2,500,306, Mar. 14.
Brush and carroting fur on a skin with said brush, Carroting. W. L. Braun. 2,532,991, Dec. 5.
Brush and holder, Moistening. A. C. Hummel. 2,504,690, Apr. 18.
Brush and making it, Composite. E. I. Shobert, II. 2,521,610, Sept. 5.
Brush and making same, Rotary. A. J. Rose. 2,525,947, Oct. 17.
Brush and root cutter. J. D. Oliver. 2,508,284, May 16.
Brush applicator carried by closure. S. Maynier. 2,520,605, Aug. 29.
Brush assembly, Integral. C. E. Bixler. 2,512,997, June 27.
Brush, Bath tub. B. Carson. 2,514,743, July 11.
Brush bristles having a reduced fracturable transverse axis. C. F. Henley. 2,504,330, Apr. 18.
Brush bristles, Making synthetic. E. H. Haux. 2,520,502, Aug. 29.
Brush, Chimney. O. K. Bruning. 2,522,162, Sept. 12.
Brush, Collapsible. G. E. La Vietes and M. P. Nichols. 2,507,340, May 9.
Brush, Cup. G. C. Wilhide. 2,534,891, Dec. 19.
Brush cutter. C. C. Davis and P. Covalt. 2,507,247, May 9.
Brush, Detachable tuft section. W. L. Krebs. 2,526,756, Oct. 24.
Brush, Dispensing. M. Soss. 2,509,992, May 30.
Brush, Dope. W. G. Cummings. 2,496,381, Feb. 7.
Brush drive, Vacuum cleaner. D. H. Reeves. 2,513,587, July 4.
Brush, Electrical contact. E. L. McKinstry and C. M. Roseman. 2,518,919, Aug. 15.
Brush equipment, Manufacture of. W. F. Enchelmaier. 2,508,908, May 23.
Brush for cleaning containers. J. Leunis. 2,529,952, Nov. 14.
Brush for cleaning screens, windows and the like. J. Keller. 2,502,624, Apr. 4.
Brush for receptacles. M. T. Glass. 2,513,719, July 4.
Brush for use with vibrating screens. E. L. Coon. 2,510,741. June 6.
Brush, Fountain. R. H. Loether. 2,528,599, Nov. 7.
Brush, Fountain. W. C. Marsh. 2,521,014, Sept. 5.
Brush, Fountain. D. C. McNeill, Jr. 2,521,929, Sept. 12.
Brush grinder tool. G. E. Diez. 2,501,891, Mar. 28.
Brush holder. J. J. Ollmann. 2,515,890, July 18.
Brush holder. J. W. Samzelius. 2,495,184, Jan. 17.
Brush, Hydraulically driven oscillatory. J. D. Reid. 2,514,142. July 4.
Brush, Hydraulically driven rotary fountain. M. M. Burns. 2,506,487, May 2.
Brush, Industrial. K. E. Weller. 2,495,559, Jan. 24.
Brushmaking machine. M. J. First. 2,513,016, June 27.
Brush material and brushes made therefrom. R. O. Peterson. 2,511,004, June 13.
Brush means for shoe shining machines, Rotary. J. L. Jenkins. 2,534,131, Dec. 12.
Brush mechanism for dynamoelectric machines. L. W. Wightman. 2,516,608, July 25.
Brush moving device for generators. C. E. Stroburg. 2,495,430, Jan. 24.
Brush, Pocket denture. H. B. Hansen. 2,512,935, June 27.
Brush puller. W. Ernst and D. F. Boyd. 2,535,054, Dec. 26.
Brush puller. T. Slick. 2,535,099, Dec. 26.
Brush, Renewable. B. E. Jones and W. H. Peterson. 2,514,496, July 11.
Brush, Reservoir fountain. M. W. Magann and W. A. McElvain. 2,527,317. Oct. 24.
Brush rigging. C. A. Thomas. 2,532,827, Dec. 5.
Brush, Rotary. N. N. Okun. 2,517,915, Aug. 8.
Brush, Rotary vacuum cleaner. C. H. MacFarland. 2,533,169, Dec. 5.
Brush, Sanitary. W. H. Kreidenweiss. 2,516,778, July 25.
Brush, Scrubbing. F. V. Voorhees. 2,501,426, Mar. 21.
Brush, Shaving. S. J. Bella. 2,535,716, Dec. 26.
Brush, Soap dispensing back scrubbing. F. H. Ellinger. 2,505,610. Apr. 25.
Brush, Soap dispensing shampoo. F. H. Ellinger. 2,505,611, Apr. 25.
Brush support. R. H. Ward. 2,520,379, Aug. 29.
Brush, Wire wheel. G. C. Wilhide. 2,534,892, Dec. 19.
Brush with cemented tuft socket. L. W. Simms. 2,508,931, May 23.
Brush with detachable fitting for bristle-carrying stocks. E. L. H. Cosby. 2,510,804, June 6.
Brush with fountain pressure supply and soap chamber. L. K. Franklin and J. Merchasin. 2,502,937, Apr. 4.
Brush with improved disk feature, Cleaning. O. G. Burch. 2,510,376, June 6.
Brush with soap chamber, Fountain. L. L. Anderson, R. F. Hefferan, and F. Ellison. 2,513,776, July 4.
Brush with work operated discharge valve, Fountain. R., D., M., and C. Morgadanes. 2,493,990, Jan. 10.
Brush with yieldably mounted removable wire bristles, Tube cleanout. M. Simcich. 2,493,367, Jan. 3.
Brushes, Making. J. A. Starr. 2,531,482, Nov. 28.
Brushing device, Foot operated shoe. F. E. Hummel. 2,507,407, May 9.
Brushing machine. C. F. Miller. 2,507,038, May 9.
Brushing machine, Comb cleaning. F. Webster and S. Zazulenchuck. 2,524,214, Oct. 3.
Brushing machine, Demountable. D. E. Leonard. 2,518,799. Aug. 15.
Bubble blowing device. L. B. Joel, II. 2,527,935, Oct. 31.
Bubble cap. C. L. Blohm and R. M. Young. 2,518,746, Aug. 15.
Bubble cap. W. W. Kraft. 2,510,589, June 6.
Bubble cap and controlling vapor distribution therethrough, Tunnel-type. W. S. Craft. 2,531,030, Nov. 21.
Bubble cap and riser tube assembly. R. R. Collins and W. W. Kraft. 2,510,556, June 6.
Bubble cap assembly. H. C. Glitsch. 2,525,218, Oct. 10.
Bubble cap assembly. E. D. Rapisarda and H. F. Tapp. 2,508,041, May 16.
Bubble cap construction. R. A. Wilson. 2,494,372, Jan. 10.
Bubble cap hold-down device. J. W. Kelley. 2,510,586, June 6.
Bubble-forming device. A. Raspet. 2,514,009, July 4.
Bubble level with conical lens. R. Hayward. 2,514,492, July 11.
Bubble tower construction and fractionating vapors. J. W. Throckmorton and J. S. Wallis. 2,507,325, May 9.
Buck, Pressing. H. D. Forse. 2,504,014, Apr. 11.
Buck rake and stacker. T. J. Clary. 2,522,814, Sept. 19.
Bucker tool. D. N. Goldberg. 2,502,255, Mar. 28.
Bucket, Aerated minnow. A. T. Kear. 2,507,444, May 9.
Bucket and making it, Spinning. O. W. Anderson. 2,525,469, Oct. 10.
Bucket, Beverage. E. J. Guard. 2,501,772, Mar. 28.
Bucket, Cupola charging. A. G. Wallsworth and E. C. Nielson. 2,535,179, Dec. 26.
Bucket device, Digging. P. Hatch, L. Hinz, and I. A. King. 2,508,606, May 23.
Bucket, Drag. J. F. Yaun. 2,501,429, Mar. 21.
Bucket, Dragline. T. M. Deal. 2,525,528, Oct. 10.
Bucket, Dredge. M. Knobel. 2,523,958, Sept. 26.
Bucket, Excavating. R. O. Billings. 2,501,594, Mar. 21.
Bucket, Grain elevator. H. P. Lindfors. 2,501,229, Mar. 21.
Bucket, Heated minnow. O. W. Leaf. 2,511,353, June 13.
Bucket holder. A. F. Bartolat. 2,519,732, Aug. 22.
Bucket holder. A. E. F. Johnson. 2,531,131, Nov. 21.
Bucket, Hydraulic clamshell. R. W. Waite and F. R. Hampton. 2,499,433, Mar. 7.
Bucket, Minnow. A. J. Cothern. 2,512,791, June 27.
Bucket, Minnow. I. Harrison. 2,512,936, June 27.
Bucket, Minnow. T. A. Milholland. 2,511,648, June 13.
Bucket return for tractor loaders. R. M. Ulrich. 2,510,611, June 6.
Bucket structure for high-temperature turbomachines. D. J. Bloomberg. 2,500,745, Mar. 14.
Bucket, Water wheel. E. W. Orton. 2,502,021, Mar. 28.
Bucket with ball that forms brush rest, Paperhanger's paste. H. C. Knox. 2,519,666, Aug. 22.
Bucking trigger circuit. R. L. Palmer. 2,524,134, Oct. 3.
Buckle. H. F. George. 2,511,579, June 13.
Buckle. M. Licursi. 2,531,226, Nov. 21.

Buckle. G. B. Rich. 2,511,994, June 20.
Buckle and strap fastener, Cam-locking belt. P. Preszler. 2,496,891, Feb. 7.
Buckle, Belt. A. Seidman. 2,522,064, Sept. 12.
Buckle construction. J. S. Feiner. 2,525,026, Oct. 10.
Buckle, Expansion. G. J. Hickey. 2,534,200, Dec. 12.
Buckle, Extensible. E. Nukanen. 2,512,466, June 20.
Buckle for overall suspender straps. J. C. Ulmer. 2,520,583, Aug. 29.
Buckle for parachute harness, Cross-chest. R. D. Junker. 2,531,442, Nov. 28.
Buckle for stirrup straps. L. H. Hamley. 2,502,649. Apr. 4.
Buckle, Frictional locking. J. R. C. Quilter. 2,528,078, Oct. 31.
Buckle, One-piece tongueless. B. F. Pease, Jr. 2,529,048, Nov. 7.
Buckle, Quick release. L. M. Johnston. 2,522,790, Sept. 19.
Buckle, Saddle. M. M. Garner. 2,498,334, Feb. 21.
Buckle, Safety belt. O. H. Griswold. 2,513,169, June 27.
Buckle, Safety belt. O. H. Griswold. 2,517,424, Aug. 1.
Budget box. E. L. and M. M. Cummings. 2,504,305, Apr. 18.
Buff. L. J. Walling. 2,493,791, Jan. 10.
Buff construction. J. D. Blair and G. A. Hendey. 2,531,249, Nov. 21.
Buffer. T. F. Brennan. 2,515,188, July 18.
Buffer. G. E. Dath. 2,532,013, Nov. 28.
Buffer. E. H. Waltke. 2,496,323, Feb. 7.
Buffer, Friction. G. E. Dath. 2,514,568, July 11.
Buffer, Furniture. J. M. Andrew. 2,502,912, Apr. 4.
Buffers, Making. J. W. Marsh. 2,508,347, May 16.
Buffing and polishing compositions and preparation. A. E. Chester. 2,529,722, Nov. 14.
Buffing and polishing wheel. F. W. Littlefield. 2,530,530, Nov. 21.
Buffing stand. P. E. Hawkinson. 2,493,289, Jan. 3.
Buffing wheel. H. H. Bahr. 2,506,288, May 2.
Buffing wheel. G. R. Churchill. 2,522,092–4. Sept. 12.
Buffing wheel. F. E. Hendrickson. 2,508,065, May 16.
Buffing wheel. J. C. Miller. 2,508,072–3, May 16.
Buggy, Foldable baby. A. H. Kelch, Jr. 2,506,601, May 9.
Build-up of radio frequency oscillations, Method and apparatus for producing rapid. R. C. Jensen. 2,498,495, Feb. 21.
Building and picture projection device. K. L. Bower. 2,521,823, Sept. 12.
Building apparatus, Tire. A. E. Benson. 2,521,143, Sept. 5.
Building block. A. J. Archambault. 2,493,435, Jan. 3.
Building block. D. A. Bridges. 2,532,478, Dec. 5.
Building block. J. P. Kany. 2,498,276, Feb. 21.
Building block. P. and A. Paolella. 2,493,547, Jan. 3.
Building block spacer. P. M. Burroway. 2,527,985, Oct. 31
Building construction. H. W. Holmstrom. 2,508,066, May 16.
Building construction. O. Mankki. 2,512,029, June 20.
Building construction. J. A. Taggart. 2,525,974, Oct. 17.
Building construction, Concrete. R. E. and G. M. Stevens. 2,499,886, Mar. 7.
Building construction, Fabricated. E. J. Feser. 2,499,478, Mar. 7.
Building construction, Hollow block. J. Pezzano. 2,512,550, June 20.
Building construction of predetermined characteristics. E. S. Osborn. 2,495,862, Jan. 31.
Building construction, Panel. M. G. Hilpert. 2,497,887, Feb. 21.
Building construction, Reinforced. H. Edwards. 2,534,580, Dec. 19.
Building construction, Ventilated. W. Ong. 2,517,020, Aug. 1.
Building form. J. Parker. 2,504,043. Apr. 11.
Building joint connector. T. A. Budne. 2,535,263, Dec. 26.
Building log. A. W. Edson and K. F. Thielking. 2,525,659, Oct. 10.
Building, Prefabricated. P. A. Linck. 2,521,381, Sept. 5.
Building, Sheet metal. O. M. Stolz. 2,505,343. Apr. 25.
Building steel cable tire ply bands. H. T. Kraft and W. C. McCoy. 2,501,644, Mar. 21.
Building structure. G. W. Hult and H. Kingsmill. 2,535,494, Dec. 26.
Building unit. S. G. and W. Loewenthal. 2,530,708, Nov. 21.
Building unit and cavity roof or wall made therefrom. H. W. Ashman. 2,525,059, Oct. 10.
Building wall of hollow blocks. F. B. Cheney. 2,520,912, Sept. 5.
Built-in automobile refreshment bar. C. J. Saterlie and G. G. Perkins. 2,525,952, Oct. 17.
Bulb display package. M. R. Mulford. 2,518,711, Aug. 15.
Bulb for thermosensitive tube system, Flush-type. A. A. Zuehlke. 2,520,872, Aug. 29.
Bulb manufacturing apparatus. A. E. Drobish. 2,504,817, Apr. 18.
Bulb, Photographic flash. F. S. Hawkins and A. G. Pearce. 2,525,032, Oct. 10.
Bulb, Resistor. G. D. Cerf. 2,497,439, Feb. 14.
Bulkhead, Adjustable cargo. B. M. Angell. 2,517,823, Aug. 8.
Bulkhead, Convertible. C. L. Moorman. 2,495,903, Jan. 31.
Bulkhead door and the like and fastening means for same. K. L. Schiff. 2,511,268, June 13.
Bulkhead door structure. E. L. Jacob. 2,511,267, June 13.
Bulk materials, Moving. D. O. Martin. 2,494,953, Jan. 17.
Bulldozer. F. H. Norris. 2,511,123, June 13.
Bulldozer and tractor shovel, Combined. R. L. Wells. 2,530,414, Nov. 21.
Bulldozer attachment. T. Andersen. 2,529,208, Nov. 7.
Bulldozer attachment for tractors. W. I. Remington. 2,522,583, Sept. 19.
Bulldozer, Scarifying. W. J. Blake. 2,494,225, Jan. 10.
Bullet. G. A. Miller, Jr. 2,532,323, Dec. 5.
Bullet lubricator. L. E. Wadman and F. J. Gomes. 2,535,616, Dec. 26.
Bullet trap. B. Walker. 2,525,843, Oct. 17.
Bumper construction for loom pickers. W. D. Dodenhoff. 2,532,543, Dec. 5.
Bumper for armored track-laying vehicles. B. Walker. 2,500,970, Mar. 21.
Bumper for arresting metal masses descending gravity skids onto a conveyer, Pendulum-type. G. Tree. 2,515,675, July 18.
Bumper for automobiles. E. L. Morris. 2,508,836, May 23.
Bumper for automotive vehicles. C. S. Brandvold. 2,519,429, Aug. 22
Bumper guard and exhaust extension. R. H. Arbib. 2,515,391, July 18.
Bumper guard and trailer hitch. T. W. Slaback. 2,525,964. Oct. 17.
Bumper hitch. H. C. Green. 2,529,686, Nov. 14.
Bumper jack. J. L. White. 2,513,978, July 4.
Bunch building mechanism for bobbin winding machines. R. P Drake. 2,520,134, Aug. 29.
Buncher for baled hay. O. J. De Wall. 2,531,560, Nov. 28.
Bundle tying machine. J. J. M. L. Marchand. 2,527,641, Oct. 31.
Bundling machine, Sheet metal. J. Ferrando. 2,497,984, Feb. 21.
Bung forming structure for barrels. E. H. Benson. 2,507,752, May 16.
Bunion easer and toe straightener. R. L. McGlumphy. 2,499,768, Mar. 7.
Buoy, Inflatable radar reflector. E. L. Hudspeth and J. P. Nash. 2,534,716, Dec. 19.
Buoyant electric cable. P. V. Hunter. 2,518,323, Aug. 8.
Burden release for cargo parachutes, Automatic. H. P. Staats. 2,517,361, Aug. 1.
Burette holder. G. H. Burrell. 2,499,945. Mar. 7.
Burglar alarm switch. I. Barnwell. 2,500,335, Mar. 14.
Burglar alarm switch. A. W. West. 2,511,955, June 20.
Burial trouser support. G. T. Brownson. 2,513,232, June 27.
Burial vault cover. W. W. Haase. 2,523,824, Sept. 26.
Burial vault latch. P. E. Miles. 2,505,297, Apr. 25.
Burner: *See*—
Annular overlying retort oil burner.
Automatic pilot burner.
Cleaning device for submersible burner.
Combination oil and gas burner.
Combustion tube oil burner.
Counterrotational air flow gun type oil burner.
Deflector type gas burner.
Descaling burner.
Divided starting tray retort burner.
Electric burner.
Flame pocket fluid fuel burner.
Flame retaining gaseous fuel burner.
Gas purifying burner.
Gas safety burner.
Gaseous fuel burner.
Gun type oil burner.
Heating and hardening burner.
Internal ring gas burner.
Liquid fuel burner.
Liquid fuel vaporizing burner.
Multichambered gas burner.
Multiple combustion cell gaseous fuel burner.
Multiple fuel burner.
Multiple gas burner.
Natural draft oil burner.
Oil burner.
Pan type vapor burner.
Perforated tray type oil burner.
Pressure atomizing type oil burner.
Pressure ribbon-type gas burner.
Radiant cell gas burner.
Radiant gas burner.
Rectangular pot-type oil burner.
Regulating gas burner.
Ribbon burner.
Ribbon-type gas burner.
Rotary distributing head oil burner.
Safety gas burner.
Sheet-metal gas burner.
Simulated draft pot-type oil burner.
Spiral flame gas burner.
Submerged flame burner.
Thermopile and pilot burner.
Tray type liquid fuel burner.
Vaporizer type oil burner.
Vaporizing oil burner.
Vaporizing tray type oil burner.
Vaporizing type blast whirl oil burner.
Vaporizing-type liquid fuel burner.
Vortex-type gas burner.
Wick-type fuel burner.
Wick type oil burner.
Burner and air distributing means therefor, Pot type oil. R. A. Heller. 2,499,864, Mar. 7.
Burner and air shield, Stove-top. F. S. Bechtold. 2,506,483, May 2.
Burner and burning fuel, Pressure-type. J. J. Wolfersperger. 2,499,207, Feb. 28.

Burner and ignition means, Forge. A. J. Weiler. 2,505,596, Apr. 25.
Burner and mixer, Oil. J. F. Meyer. 2,535,443, Dec. 26.
Burner and mixing tube construction, Gas. N. E. Hill, O. J. Ress, and F. J. Nunlist, Jr. 2,510,888, June 6.
Burner and thermally controlled valve therefor, Pilot. F. R. Higley. 2,520,399, Aug. 29.
Burner and switch device for burner systems, Thermostatically controlled safety pilot. L. Kathe. 2,494,660, Jan. 17.
Burner apparatus. A. G. Parkes. 2,519,787, Aug. 22.
Burner apparatus for effecting diffusion combustion, Fluid fuel. W. Leigsmann. 2,500,787, Mar. 14.
Burner apparatus, Oil. G. I. Carter. 2,500,344, Mar. 14.
Burner apparatus Oil, including an automatic delay action fuel valve. W. R. Lyman. 2,494,714, Jan. 17.
Burner assembly. H. S. Minster. 2,497,787, Feb. 14.
Burner block. E. Blaha. 2,532,990, Dec. 5.
Burner control, Automatic gas. W. T. Hamilton. 2,520,542, Aug. 29.
Burner control system. L. L. Cunningham. 2,504,964, Apr. 25.
Burner control system. L. L. Cunningham. 2,524,377, Oct. 3.
Burner control system and control means therefor. E. Witzel. 2,506,403, May 2.
Burner control system, Safety push-button gas. W. A. Ray. 2,520,961, Sept. 5.
Burner control system, Time-regulated. R. Pratt. 2,501,452. Mar. 21.
Burner device, Fuel. B. E. Mustee. 2,529,307, Nov. 7.
Burner for burning-off glassware, Relatively adjustable gas. L. Wohinc. 2,313,542, July 4.
Burner for coke ovens, Gas. J. van Ackeren. 2,507,554, May 16.
Burner for fluid fuels, Atomizing. A. J. Turpin and M. J. Parker. 2,511,755, June 13.
Burner for fowl, Beak. J. Lyon. 2,505,559, Apr. 25.
Burner for furnaces, Air-cooled. F. H. Loftus. 2,507,260, May 9.
Burner for lighting gas and other combustible gases. J. Schäfer. 2,513,523, July 4.
Burner for liquid or gaseous fuels. P. Lloyd and A. D. Richards. 2,529,506, Nov. 14.
Burner for photoengraving. F. T. Powers. 2,496,814. Feb. 7.
Burner for pulverulent fuel and air mixture, Tangential injector. H. E. G. J. Clausen and M. A. G. Fabiá. 2,523,462, Sept. 26.
Burner for solid fuels, Rotary type. W. M. and B. S. Fulton, J. H. Murrian, and R. W. Fulton. 2,496,156, Jan. 31.
Burner for tobacco curers, Pan-type liquid fuel. C. W. Critchfield. 2,496,987, Feb. 7.
Burner for unit heaters, Pot type liquid fuel. G. R. Neumann, E. F. Farrell, and E. J. Effinger. 2,498,817, Feb. 28.
Burner for waste and low-grade oils. W. H. Paulin. 2,498,002, Feb. 21.
Burner formed of prefabricated panel sections, Slab and sawdust. C. V. Sass. 2,530,208, Nov. 14.
Burner having atmospheric air draft inducing means, Perforated combustion tube oil. F. U. Dumas. 2,494,991, Jan. 17.
Burner having concentric gas and air nozzles, Radiant gas. A. J. Turpin and A. F. Schumann. 2,515,158, July 11.
Burner having improved combustion characteristics, Pot type fuel. H. C. Little. 2,502,100, Mar. 28.
Burner having preheating and superheating mechanism for air and steam employed in the burner, Fluid fuel. G. M. Wilhelm. 2,528,984, Nov. 7.
Burner head for gun-type oil burners. D. Sinclair and S. Wallans. 2,527,503, Oct. 24.
Burner head having peripheral secondary air supply, Gas. G. E. Burns. 2,501,207, Mar. 21.
Burner head with rod means to anchor tuyére blocks, Stoker. H. R. Geary. 2,499,189, Feb. 28.
Burner ignition and safety control system. J. S. Baker. 2,506,913, May 9.
Burner, including air feed means. J. E. Kennedy. 2,514,768, July 11.
Burner, including flame retainer, Gaseous fuel. A. Stadler. 2,525,432, Oct. 10.
Burner of the pan or tray type, Oil. J. L. Griffin. 2,517,200, Aug. 1.
Burner of the retort class, Liquid fuel. M. Resek and H. Kiefer. 2,516,722, July 25.
Burner of the spinner type, Oil. K. M. Hammell and R. R. Witherell. 2,507,006, May 9.
Burner provided with combustion gas recirculating means, Fuel. W. H. Speer. 2,532,740, Dec. 5.
Burner safety and scavenging control. F. E. Lange. 2,493,412, Jan. 3.
Burner safety control device. J. L. Harris. 2,521,717, Sept. 12.
Burner safety control system, Cyclic. C. W. Crawford. 2,519,889, Aug. 22.
Burner unit, Multiple head gas. W. M. Shaw. 2,525,960, Oct. 17.
Burner using gaseous fuel and air under pressure, Pilot. K. A. Scharbau and A. Stadler. 2,510,482, June 6.
Burner wick structure and operating mechanism. W. B. Engh and C. W. Davis. 2,503,153, Apr. 4.
Burner with a built-in combustion chamber, Pressure atomizer oil. J. A. Logan and R. M. Cochrane. 2,516,063, July 18.
Burner with air directing means, Spray type oil. C. Demuth. 2,502,210, Mar. 28.
Burner with annular flame port, Gas pilot. W. L. Riehl. 2,495,481, Jan. 24.
Burner with carbon removal means, Rotary vaporizing type. O. A. Ohlsson. 2,535,316, Dec. 26.
Burner with combined aeration and collection tray, Double ring. H. Moecker, Jr., W. H. Frick, E. M. Meacham, and H. K. White. 2,498,289, Feb. 21.
Burner with crimped ribbon port structure, Gas. F. E. Hanson. 2,525,350, Oct. 10.
Burner with flame deflector and starting pan, Retort type liquid fuel. G. W. Wargo. 2,517,949, Aug. 8.
Burner with flash tube charging port, Gas. E. H. Mueller. 2,514,553, July 11.
Burner with internal fuel distributor, Gas. G. W. Ferrel. 2,513,087, June 27.
Burner with internal mixture-distributing baffle, Gas. V. A. Drout. 2,519,956, Aug. 22.
Burner with interrupted annular finned cover plate, Rotary. C. O. Meyers. 2,494,893, Jan. 17.
Burner with nozzle purging means, Dual firing rate oil. J. A. Logan. 2,516,062, July 18.
Burner with preheating and igniting means, Oil. H. J. and P. J. Le Clerc. 2,501,396, Mar. 21.
Burner with pressure-governed valves, Multiple gas. H. S. Minster. 2,494,190, Jan. 10.
Burner with radial fuel nozzles, Oil. A. Clarkson. 2,534,160, Dec. 12.
Burner with radiant screen, High primary type gas. C. E. Golden and O. L. Notley. 2,533,104, Dec. 5.
Burner with snap action control, Generator. J. L. Breese 2,493,474, Jan. 3.
Burner with spark ignition means, Bowl type oil. R. P. Breese, 2,512,301, June 20.
Burner with utensil support, Gas. E. H. Mueller. 2,521,936, Sept. 12.
Burners having forced primary air, Conversion gas. M. A. Heller and A. J. Conti. 2,498,162, Feb. 21.
Burning apparatus, Partial. J. McMorris. 2,493,725, Jan. 3.
Burning fine solids, Method and apparatus for. C. S. Gladden. 2,493.960. Jan. 10.
Burning pulverized fuel. G. P. Jackson. 2,511,587, June 13.
Burr remover for slotting machines and the like. R. L. Wilcox. 2,531,240, Nov. 21.
Burr removing apparatus, Inside. W. S. Schaefer and T. M. Bowes. 2,535,653, Dec. 26.
Busbar construction. D. M. King. 2,495,526, Jan. 24.
Bus duct hanger. W. J. Fleming. 2,523,869, Sept. 26.
Bus stand. T. R. Wyman. 2,526,989, Oct. 24.
Bus structure. C. P. West, H. H. Rugg, and P. R. Pierson. 2,531,017, Nov. 21.
Bushing and anchor for electric wires, Combined. W. K. Sessions, Jr., and E. D. Brightman. 2,522,844, Sept. 19.
Bushing and glass therefor, Electric insulating. H. A. Omley. 2,513,958, July 4.
Bushing, Circuit maker. E. A. Ward. 2,528,096, Oct. 31.
Bushing for a lead-in conductor to a capacitor housed in a vessel containing a gas under pressure, Insulating. C. de Lange. 2,510,686, June 6.
Bushing for drill jigs, Adjustable. R. E. Maples. 2,497,679, Feb. 14.
Bushing for electric conductors, Self-locking insulating. E. P. Marsan. 2,530,258, Nov. 14.
Bushing for link mounted brakes, Rubber. C. E. Bricker and D. D. Neff. 2,533,186, Dec. 5.
Bushing for pneumatic hammers. W. G. Mitchell. 2,527,757, Oct. 31.
Bushing for rotary oil well drilling machines, Master. A. R. Maier. 2,533,597, Dec. 12.
Bushing for wagons. R. W. Phelps. 2,526,155, Oct. 17.
Bushing, Kelly drive. C. S. Shaffer. 2,510,719, June 6.
Bushing, Molded plastic stress-distributing. I. W. A. Kirkwood, J. S. Gillhespy, and F. J. Wallsend. 2,523,219, Sept. 19.
Bushing mounting structure. M. Morisuye and R. J. Niemela. 2,508,184, May 16.
Bushing, Pump-multiple piece. J. A. Lauck and J. A. Compton. 2,527,941, Oct. 31.
Bushing replacer. E. Morrison. 2,520,162, Aug. 29.
Bushing, Resilient. F. M. Guy. 2,505,766–7, May 2.
Bushing, Roller kelly. W. A. Vock. 2,527,087, Oct. 24.
Bushing, Surface coated electrical. W. R. Wilson. 2,523,082, Sept. 19.
Bushing, Swiveled insulating. B. N. Bowers. 2,525,444, Oct. 10.
Bushing, Through. W. S. Weschler and R. P. Corporon. 2,523,741, Sept. 26.
Bushing with flexible sheath mounting, Insulating. M. Perolini. 2,524,539, Oct. 3.
Bust form. L. and F. Wilkenfeld. 2,507,745, May 16.
Bust pad. M. Brauer. 2,505,458, Apr. 25.
Bust support. R. Ciringlone. 2,533,312, Dec. 12.
Butadiene from alcohols, Producing. A. Brasch. 2,516,849. Aug. 1.

Butadiene from petroleum and petroleum fractions, Producing. A. Brasch. 2,516,848, Aug. 1.
Butadiene-methylal addition products. O. C. Dermer and J. J. Hawkins. 2,524,777–8, Oct. 10.
Butadiene, Preparation of. L. C. Denivelle. 2,527,120, Oct. 24.
Butadiene-styrene copolymer tackified with isoolefin-diolefin-styrene copolymer. S. S. Kurtz, Jr. 2,497,458, Feb. 14.
Butadienestyrene copolymers, Acylating. W. H. Smyers and E. P. Cashman. 2,529,316, Nov. 7.
Butanediol and butanone, Manufacture of. P. Vergnaud. 2,529,061, Nov. 7.
Butenol alkanol amines. M. W. Long, Jr. 2,497,553, Feb. 14.
Butenylene bis(ammonium halides). P. L. de Benneville. 2,525,777, Oct. 17.
Butt hook. F. M. Brawand. 2,518,276, Aug. 8.
Butter by cooling rich cream, and product thereof, Producing aromatized. A. L. Stigen. 2,529,232, Nov. 7.
Butter conditioner. R. J. Carbary. 2,525,446, Oct. 10.
Butter cutter. L. Frank. 2,506,919, May 9.
Butter flavoring composition. J. W. Armstrong. 2,527,785, Oct. 31.
Butter, Manufacturing. H. A. Toulmin, Jr. 2,505,654, Apr. 25.
Butter mold. T. R. Hall. 2,506,213, May 2.
Butter package. C. G. Bennett. 2,497,203, Feb. 14.
Butter working apparatus, Continuous. C. E. North. 2,521,398, Sept. 5.
Butterer, Corn. F. A. Peterson. 2,527,149, Oct. 24.
Buttering machine, Corncob. P. W. Schick. 2,508,689, May 23.
Button and snap fastener stud, Combination. H. I. Silman. 2,520,261, Aug. 29.
Button assembly, Ornamental. W. I. Jones. 2,519,316, Aug. 15.
Button attaching means. A. M. Yohn. 2,514,435, July 11.
Button feeding mechanism. A. Bellow and A. F. Carter. 2,534,753, Dec. 19.
Button feeding mechanism. J. Forca. 2,505,468, Apr. 25.
Button, Leather. W. Strauss. 2,508,897, May 23.
Button, Metal. H. C. Robertson. 2,522,585, Sept. 19.
Button, Separable. G. O. Bowie. 2,502,034, Mar. 28.
Button set, Detachable. B. W. and S. H. Birnkrant. 2,499,086, Feb. 28.
Button structure. O. J. Poupitch. 2,520,781, Aug. 29.
Button, Tack fastened. O. J. Huelster. 2,511,110, June 13.
Button, Thumb turn. N. J. Popowich. 2,507,932, May 16.
Button, Tufting. W. H. Hadley. 2,516,204, July 25.
Button, Two-piece. J. W. Sewell. 2,518,643, Aug. 15.
Buttonhole cutter. N. M. Gilliam. 2,532,160, Nov. 28.
Buttons, buckles, and the like, Covered. H. Koehl and H. A. Prym. 2,513,182, June 27.
Butyl alcohol, Production of secondary. J. A. Patterson. 2,514,291, July 4.
Butyraldehyde, Production of. T. Bewley and J. A. Keeble. 2,501,708, Mar. 28.
By-pass mechanism for folding machines. C. S. Malott, Jr. 2,510,185, June 6.
By-passing a fault of a line circuit and for telephoning to railway trains. P. N. Bossart and E. W. Marlowe. 2,515,855, July 18.
c-Alkyl hydroquinones and c-alkyl p-aminophenols, Preparation of. F. R. Bean. 2,533,203, Dec. 12.
C-nitrosoarylamines, Manufacture of. S. M. Roberts. 2,495,774, Jan. 31.
C-shaped clamps, making. J. B. Cook. 2,514,474, July 11.
C-vitaminized baking products, Preparing. W. A. Seeder. 2,497,035, Feb. 7.
Cab, Motor powered vehicle. E. Rossner. 2,529,192, Nov. 7.
Cab, Tilting. B. C. Harris. 2,502,622, Apr. 4.
Cabin, Car. H. Smelker. 2,493,368, Jan. 3.
Cabin cruiser, trailer, and light freight trailer, Combined. J. L. Crook. 2,518,602, Aug. 15.
Cabin enclosure and mounting means therefor, Aircraft. A. E. Ulrich, H. F. Hume, C. J. Arcarese, and F. I. Steele. 2,493,904, Jan. 10.
Cabinet: *See*—
Automatic cabinet.
Bottle dispensing cabinet.
Card cabinet.
Coin-controlled garment checking cabinet.
Combined bread and cutlery cabinet.
Currency containing cabinet.
Display cabinet.
Dressing and shade cabinet.
Fan accelerated radiator cabinet.
File cabinet.
Filing cabinet.
Folding bath cabinet.
Folding shampoo cabinet.
Food service cabinet.
Frosted food cabinet.
Gas cylinder cabinet.
Hose cabinet.
Humidity test cabinet.
Metal wall cabinet.
Mineral vapor generating cabinet.
Mixer cabinet.
Parts storing cabinet.
Projection television receiver cabinet.
Radio cabinet.
Reference book cabinet.
Refrigerated cabinet.
Refrigeration cabinet.
Refrigerator cabinet.
Rotary multiple rack phonograph record cabinet.
Sectional tool cabinet.
Sectional wall cabinet.
Selective delivery filing cabinet.
Selective dispensing cabinet.
Sewing cabinet.
Socket wrench cabinet.
Steam bath cabinet.
Table type radio cabinet.
Telephone supporting base stand index cabinet.
Towel dispensing cabinet.
Turret-top television cabinet.
Vertically extensible projection television receiver cabinet.
Cabinet. E. J. Smayda, Jr. 2,503,599, Apr. 11.
Cabinet and closures therefor, Compartmented radio. H. Rieth. 2,503,635, Apr. 11.
Cabinet and containers therefor, Freezing, hardening, and dispensing. L. A. M. Phelan. 2,517,234, Aug. 1.
Cabinet and drawer. A. Ludwig. 2,517,329, Aug. 1.
Cabinet and extensible table, Combination. H. Medwin. 2,535,646, Dec. 26.
Cabinet and ironing board, Combined laundry. J. B. Brochu. 2,499,455, Mar. 7.
Cabinet and table, Combination kitchen. W. G. Palmer, Jr. 2,499,873, Mar. 7.
Cabinet and tuning dial structure, Radio. J. D. Reid. 2,510,757, June 6.
Cabinet and ventilating hood, Combined kitchen. E. E. Vezey, Jr. 2,535,707, Dec. 26.
Cabinet assembly. C. C. White. 2,521,765, Sept. 12.
Cabinet-commode, Hospital. W. S. Horn. 2,495,374, Jan. 24.
Cabinet construction. C. E. Heilig, Jr. 2,526,747, Oct. 24.
Cabinet construction, Fire-resisting. J. H. Page. 2,493,690, Jan. 3.
Cabinet construction for sinks. H. G. Knuth. 2,514,001, July 4.
Cabinet construction, Refrigerator. J. W. Norrish and A. E. Nave. 2,496,252, Jan. 31.
Cabinet ensemble structure, Kitchen. W. D. Meagher. 2,501,781, Mar. 28.
Cabinet for combination household units. B. S. Kagan. 2,526,030, Oct. 17.
Cabinet for dust mops, Vacuum cleaning. A. D. Fairgrieve. 2,499,183, Feb. 28.
Cabinet for garments, Cleaning. R. Rones. 2,520,064, Aug. 22.
Cabinet for garments or fabrics, Moistening. J. E. Hartley. 2,499,064, Feb. 28.
Cabinet for popcorn and the like, Bulk dispensing. M. Ladge. 2,529,877, Nov. 14.
Cabinet for preparation and serving of hot beverages. L. F. Jones. 2,515,514, July 18.
Cabinet having a movable evaporator, Refrigerator. L. A. Philipp. 2,511,127, June 13.
Cabinet having a removable false floor. C. L. Doerr, Sr. 2,521,570, Sept. 5.
Cabinet having a rotatably mounted shelf unit. E. J. Pelletier. 2,529,960, Nov. 14.
Cabinet having closure-operated tray. G. Van De Riet. 2,523,976, Sept. 26.
Cabinet having combined closure and writing table. M. A. Reens. 2,502,026, Mar. 28.
Cabinet having foldable supporting means. C. E. Eckel and A. Silver. 2,521,572, Sept. 5.
Cabinet having open-sided drawers. T. Bailey. 2,503,020, Apr. 4.
Cabinet having separate deposit and collection compartments. S. S. Lane. 2,531,444, Nov. 28.
Cabinet in which the flag is held on a roller, Flag display. O. R. Glass. 2,506,209, May 2.
Cabinet of dry air type, Beverage cooling. L. Weiss. 2,494,074, Jan. 10.
Cabinet smoke stand. G. P. and G. Williams. 2,508,848, May 23.
Cabinet structure for television receivers. L. C. Kalff, C. H. Morel and G. J. Siezen. 2,509,508, May 30.
Cabinet structure, Refrigerator. R. L. Benson. 2,514,926, July 11.
Cabinet with built-in motor controller, Electric sewing-machine. W. A. Davidson. 2,502,372, Mar. 28.
Cabinet with condensation preventing means, Refrigeration. P. E. James. 2,502,219, Mar. 28.
Cabinet with rotary closure means, Shower bath. D. T. Pickles. 2,518,060, Aug. 8.
Cabinet with shelf, Bathroom. C. A. Laystrom and H. R. Sigler. 2,511,778, June 13.
Cable: *See*—
Buoyant electric cable.
Electric power cable.
Electrical cable.
Expansible sheath electric power cable.
Fire detector cable.
Fluid impregnated electric cable
Heat responsive alarm cable.
Heat responsive cable.
Reinforced soldered-seam metal sheathed cable.
Shielded high-frequency cable.
Shielded ignition cable.
Spark plug cable.
Thin paper insulated electric cable.
Tow or anchorage cable.
Transmission cable.
Welding cable.
Cable adjuster. C. Melidoni. 2,497,007, Feb. 7.
Cable and cable joint, Electric. L. Wetherill. 2,497,706, Feb. 14.
Cable and construction thereof, Manufacture of water sealed. M. A. Elliott. 2,518,454, Aug. 15.
Cable and post clamp, Battery. J. B. Batlle. 2,531,247, Nov. 21.

Cable apparatus, Electrical trolley. B. W. Benbow. 2,508,091, May 16.
Cable armor connector. J. J. Wagner. 2,505,312, Apr. 25.
Cable binding for skis, Quick-release. E. M. Erwin. 2,513,926, July 4.
Cable clamp. P. S. Everley. 2,524,254, Oct. 3.
Cable clamp. M. Hain. 2,529,153, Nov. 7.
Cable clamp. J. L. Kielland. 2,497,820, Feb. 14.
Cable clamp. R. A. Preston. 2,535,599, Dec. 26.
Cable connection, Coaxial. H. P. Dupre. 2,536,003, Dec. 26.
Cable connector. W. J. Gilmore. 2,526,740, Oct. 24.
Cable connector. A. J. Moore. 2,522,235, Sept. 12.
Cable connector. J. Namet. 2,527,227, Oct. 24.
Cable connector. H. D. Stecher. 2,508,475–6, May 23.
Cable connector toe-in-type. G. C. Thomas, Jr. 2,506,398, May 2.
Cable construction, Water sealing. M. A. Elliott and H. A. Pohl. 2,507,508, May 16.
Cable cutout, Aerial. A. G. Steinmayer. 2,524,404, Oct. 3.
Cable cutter. V. E. Sauter. 2,518,074, Aug. 8.
Cable disconnect, Electrical. H. S. Warkentin. 2,497,523, Feb. 14.
Cable distribution system. J. A. D. Y. Rapp. 2,533,044, Dec. 5.
Cable end connector. I. A. Paige. 2,514,336, July 4.
Cable for welding equipment, Liquid cooled. N. E. Anderson and S. L. Sullivan. 2,535,187, Dec. 26.
Cable grip, Spring-lift jaw. H. P. Bardshar. 2,493,214, Jan. 3.
Cable guide and clamp. T. V. Fettig. 2,516,969, Aug. 1.
Cable holder. T. A. Crotty. 2,532,893, Dec. 5.
Cable joints, Making high-frequency. L. Wetherill. 2,497,707–08, Feb. 14.
Cable layer. R. G. Le Tourneau. 2,501,062, Mar. 21.
Cable manufacturing apparatus. J. F. Eckel and R. Gillis. 2,499,853, Mar. 7.
Cable or chain jack. F. W. Coffing. 2,506,705, May 9.
Cable or wire plastic securing device. J. Ödegaard. 2,527,442, Oct. 24.
Cable packing. F. E. Payne. 2,504,936, Apr. 18.
Cable protector. L. M. Christie. 2,506,064, May 2.
Cable pulling and tightening device. C. A. Kunkel. 2,529,617, Nov. 14.
Cable reel. F. R. Schaefer, and R. W. Emery. 2,494,521, Jan. 10.
Cable reel. J. J. Slomer. Re. 23,300, Nov. 28.
Cable seal. R. K. Mead and R. T. Alexander. 2,517,693, Aug. 8.
Cable shortening device. A. P. Denis. 2,510,622, June 6.
Cable stranding machine. O. E. Rasmussen. 2,530,726, Nov. 21.
Cable-support apparatus for aircraft landing means, Inflatable. R. S. Colley. 2,526,541, Oct. 17.
Cable tensioning device. S. Dyk. 2,498,603, Feb. 21.
Cable terminal. D. J. Neale. 2,533,137, Dec. 5.
Cable terminating device. J. W. Sanger-Stevens and H. J. H. Wassell. 2,501,007, Mar. 21.
Cable termination, Coaxial. J. Goldsmith. 2,509,341, May 30.
Cable testing lead rack. R. Bartleman. 2,501,202, Mar. 21.
Cable weight for hoists. G. G. Marx. 2,534,044, Dec. 12.
Cables, Manufacture of electric. A. J. Huck. 2,533,460, Dec. 12.
Cables sheathed with lead base alloy, Manufacture of. C. J. Snyder. 2,504,600, Apr. 18.
Cacao butter in butyl rubber heavily loaded with black. S. R. Harrison and R. M. Hill. 2,495,099, Jan. 17.
Cadmium plating bath. M. B. Diggin and O. Kardos. 2,526,999, Oct. 24.
Cadmium plating process and composition. R. O. Hull. 2,523,432, Sept. 26.
Cadmium sulfide and cadmium sulfoselenide pigments, Preparing. J. J. O'Brien. 2,517,594, Aug. 8.
Cage, Expressing machine. R. E. Killip. 2,522,876, Sept. 19.
Cage for glass tubes, Protecting. J. Kahl. 2,517,674, Aug. 8.
Cage or live box, Collapsible. E. T., E. C., and C. S. Bjorklund. 2,530,148, Nov. 14.
Cake and making the same, Precut ice cream. F. Adams. 2,520,522, Aug. 29.
Cake, Making ice cream layer. G. A. Zabriskie, III. and F. Zabriskie. 2,517,756; Aug. 8.
Cake manufacture. G. F. Garnatz and B. D. Miller. 2,524,437, Oct. 3.
Cake mold. A. E. Schroeder. 2,529,354, Nov. 7.
Cakes, Making ornamental. C. V. Redinger. 2,535,319, Dec. 26.
Cakes with liquid oil, Preparation of. L. G. Trempel and M. E. Frink. 2,532,523, Dec. 5.
Calcareous cement raw material, Preparation of. M. Vogel-Jorgensen. 2,526,519, Oct. 17.
Calcium D-arabonate, Electrolytic preparation of. C. L. Mehltretter and W. Dvonch. 2,502,472, Apr. 4.
Calcium firmed frozen apple slices, Preparing. C. H. Hills. 2,531,431, Nov. 28.
Calcium peroxide, Preparation of. J. H. Young. 2,533,660, Dec. 12.
Calcium silicate-rubber compositions containing carbonate esters and compounding thereof. F. W. Gage. 2,532,665, Dec. 5.
Calculating apparatus. A. P. Clouez. 2,530,191, Nov. 14.
Calculating apparatus, Electrical. K. T. Hartwig. 2,503,387, Apr. 11.
Calculating board. C. Carson. 2,530,423, Nov. 21.
Calculating device. W. R. Bliss. 2,500,924, Mar. 21.
Calculating device. E. W. Heerich. 2,532,619, Dec. 5.
Calculating device. K. A. Hill. 2,496,942, Feb. 7.
Calculating device. A. G. Jenman. 2,510,228, June 6.
Calculating device. B. D. Kahan. 2,504,532, Apr. 18.
Calculating device. L. M. Nation-Tellery. 2,515,789, July 18.
Calculating device. W. B. Phillips. 2,506,103, May 2.
Calculating device, Moment of inertia. R. L. Hoover. 2,535,208, Dec. 26.
Calculating linkage. O. B. Vetter. 2,527,282, Oct. 24.
Calculating machine. E. F. Britten, Jr. 2,530,149, Nov. 14.
Calculating machine. D. Broido. 2,501,929, Mar. 28.
Calculating machine. E. P. Drake. 2,515,442, July 18.
Calculating machine. W. T. Gollwitzer. 2,501,444, Mar. 21.
Calculating machine. J. L. Moody. Re. 23,259–60, Aug. 22.
Calculating machine. C. Herzstark. 2,525,352, Oct. 10.
Calculating machine. G. V. Nolde. 2,525,423, Oct. 10.
Calculating machine. N. T. Pierce. 2,533,954, Dec. 12.
Calculating machine. J. A. V. Turck. 2,527,467, Oct. 24.
Calculating machine. J. A. V. Turck. 2,531,089, Nov. 21.
Calculating machine and remote control mechanism therefor. T. O. Mehan and H. E. Hooe. 2,497,784, Feb. 14.
Calculating machine, Electric. R. A. M. Barbey. 2,503,932, Apr. 11.
Calculating machine fractional keyboard control mechanism. H. L. Lambert. 2,501,447, Mar. 21.
Calculating machine, Ten-key. G. V. Liljeström. 2,498,439, Feb. 21.
Calculating machine, Typewriter. F. J. Tillman. Re. 23,244, June 20.
Calculator. A. A. Boehm, Jr. 2,520,904, Sept. 5.
Calculator. W. E. Bush. 2,535,119, Dec. 26.
Calculator. C. Dalboni. 2,494,609, Jan. 17.
Calculator. J. A. Espinola. 2,533,569, Dec. 12.
Calculator. E. F. Hall. 2,535,580, Dec. 12.
Calculator. H. E. Hartig. 2,521,915, Sept. 12.
Calculator. J. D. Killough. 2,513,491, July 4.
Calculator. V. O. Lothman. 2,528,010, Oct. 31.
Calculator. S. Skolnik. 2,535,374, Dec. 26.
Calculator, Center of gravity. P. Nilakantan. 2,520,428, Aug. 29.
Calculator, Electronic. S. B. Williams. 2,528,100, Oct. 31.
Calculator for airplanes, Flight. J. E. Freehafer. 2,529,601, Nov. 14.
Calculator for flash guns, Built-in-flash. R. R. Kelly and R. E. Schenck. 2,513,878, July 4.
Calculator for studying correlative variations of quantities interconnected by a system of mathematical relations forming a double entry chart, Electric. R. A. M. Barbey. 2,509,718, May 30.
Calculator for use with carpenter's square, Rapid. W. A. Peterson. 2,519,699, Aug. 22.
Calculator, Light and sun position. D. R. E. Brown. 2,531,932, Nov. 28.
Calculator, Logarithmic. R. H. B. Evans. 2,510,391, June 6.
Calculator, Logarithmic. S. G. Isserstedt. 2,527,734, Oct. 31.
Calculator, Partial product multiplying. R. E. Boyden and E. P. Drake. 2,515,692, July 18.
Calculator, Pocket pinochle. N. W. Mutch. 2,500,495, Mar. 14.
Calculator, Radio communication graphic. N. A. Atwood. 2,494,536, Jan. 17.
Calculator, Rhythm. P. L. Morse. 2,513,196, June 27.
Calculator, Rhythm cycle. P. L. Morse. 2,532,819, Dec. 5.
Calculator, Spherical. J. M. Thomas. 2,506,251, May 2.
Calculator, Triangle. W. H. Jensen. 2,534,601, Dec. 19.
Calculator, Trigonometric. V. A. Schoenberg. 2,505,149, Apr. 25.
Calendar. M. E. Donow. 2,507,697, May 16.
Calendar. J. Baumgarth. 2,529,367, Nov. 7.
Calendar. R. L. Neal. 2,526,575, Oct. 17.
Calendar. E. J. Phillips. 2,499,678, Mar. 7.
Calendar. A. C. Wesseler. 2,509,121, May 23.
Calendar. H. Willshaw. 2,525,744, Oct. 10.
Calendar, Automatic clock. C. W. Bierig. 2,495,222, Jan. 24.
Calendar charactered slide type. C. P. Potter. 2,499,329, Feb. 28.
Calendar device, Menstrual. W. R. Wenzel. 2,511,555, June 13.
Calendar, Easel supported, multiple disk. H. Shapiro. 2,525,732, Oct. 10.
Calendar, Perpetual. S. Z. and D. G. Avedikian. 2,532,984, Dec. 5.
Calendar, Perpetual. J. B. A. Fluette. 2,523,206, Sept. 19.
Calendar, Perpetual. A. Hossu. 2,519,188, Aug. 15.
Calendar, Perpetual. A. Patterson. 2,506,888, May 9.
Calendar, Perpetual. I. F. Rankin. 2,505,341, Apr. 25.
Calendar, Rotatable disk. J. E. Justice, Jr. 2,502,852, Apr. 4.

Calender, including upper and lower rollers with improved guiding and lifting means for central roller means. J. Dungler. 2,533,724, Dec. 12.
Calendering sheet material. C. E. Dill. 2,533,228, Dec. 12.
Calf feeder. F. J. Haberkorn. 2,522,820, Sept. 19.
Calf feeder. H. J. Larson. 2,522,757, Sept. 19.
Calf feeding device. B. M. Fry. 2,506,205, May 2.
Calf weaner. V. Franklin. 2,510,337, June 6.
Calibrating apparatus for frequency-modulated radio altimeters. R. C. Sanders, Jr. and W. R. Mercer. 2,500,325, Mar. 14.
Calibration apparatus for radio receiver. D. D. Grieg. 2,498,676, Feb. 28.
Calibration of thermal relays. J. J. Dietz. 2,494,863, Jan. 17.
Calibration of telemetering equipment. C. K. Stedman, H. J. Price, and R. M. Wismer. 2,498,306, Feb. 21.
Calibration system. T. Slonczewski. 2,508,547, May 23.
Calibrator, Torsional vibration indicator. T. C. Van Degrift. 2,522,472, Sept. 12.
Caliper base, Vernier. F. Kikly. 2,515,716, July 18.
Caliper, Indicator. C. B. Woodworth. 2,498,323, Feb. 21.
Caliper, Inside. A. A. Balk. 2,496,655, Feb. 7.
Caliper, Micrometer. W. X. Brown. 2,521,825, Sept. 12.
Caliper, Micrometer. N. R. Fletcher. 2,502,038, Mar. 28.
Caliper, Slide. N. S. Stern. 2,512,042, June 20.
Caliper with dial and micrometer, Inside. A. T. Kulcsar and P. Zelmer. 2,502,051, Mar. 28.
Caliper with helically traveling feeler, Well bore. W. E Barnes. 2,514,355, July 11.
Calipering and sorting mechanism, Automatic. D. R. De Tar. 2,504,505, Apr. 18.
Calisthenic bar. J. C. Core, Jr. 2,509,810, May 30.
Calk assemblage for shoes. C. R. Daniels. 2,517,179, Aug. 1.
Calking material dispenser. E. D. Wilkerson. 2,522,324, Sept. 12.
Call registering mechanism for elevator systems. J. Di Giovanni. 2,510,871, June 6.
Call system for telephone exchanges, Busy tone. E. L. Corbett. 2,510,011, May 30.
Call system, Personal. H. F. Olson. 2,494,451, Jan. 10.
Call system, Selective. L. Devaux. 2,512,613, June 27.
Calling line identifier having display device at operator's position. G. T. Baker. 2,532,750, Dec. 5.
Calling system, Automatic operation and selective. P. E. Volz. 2,528,624, Nov. 7.
Calling system, Selective. R. C. Ferrar and G. Menhennett. 2,524,782, Oct. 10.
Calling system, Selective. L. F. Mayle. 2,523,315, Sept. 26.
Calling unit. J. H. Maloney and R. B. Baker. 2,523,769, Sept. 26.
Cam action wringer clutch. T. R. Smith. 2,508,046, May 16.
Cam actuated clamp. A. M. Campanelli. 2,530,225, Nov. 14.
Cam actuated disk brake. H. T. Lambert. 2,526,143, Oct. 17.
Cam for shovels. W. Hirst. 2,497,771, Feb. 14.
Cam for spring latch bolts, Locking. R. C. Cerf, Jr. 2,503,192, Apr. 4.
Cam forming attachment. J. A. Shephard. 2,507,547, May 16.
Cam grinding device. E. C. Christian and J. C. Diehl. 2,534,231, Dec. 19.
Cam means for actuation of container dispensing valves, Handle operated. R. J. Hartel and E. L. Marshall. 2,504,262, Apr. 18.
Cam mechanism. H. Liebmann. 2,513,337, July 4.
Cam mechanism, Adjustable. W. L. Davis. 2,528,344, Oct. 31.
Cam mechanism for circular knitting machines and method of operating a circular knitting machine, Sinker. F. R. Page. 2,529,181, Nov. 7.
Cam mechanism for unlatching elevator doors, Retiring. F. M. Erler. 2,520,137, Aug. 29.
Cam mechanism for variable length throw. H. H. Ranney and R. W. Brown. 2,493,420, Jan. 3.
Cam operated clutch. M. L. Fast. 2,506,713, May 9.
Cam operated jar cap wrench. N. D. Hoskins. 2,521,011. Sept. 5.
Cam, Variable contour. H. L. Mekelburg. 2,507,800, May 16.
Camber adjusting tool. F. Nielsen. 2,518,052, Aug. 8.
Camera. J. Bass. 2,526,840, Oct. 24.
Camera. L. W. Gacki and C. J. Brasser. 2,517,781, Aug. 8.
Camera. W. E. Tait and A. W. Stellpflug. 2,531,652, Nov. 28.
Camera and cartridge therefor, Quick-loading roll film. J. Mihalyi and E. J. Ward. 2,521,932, Sept. 12.
Camera and flash-lamp synchronizing device, including auxiliary shutter. J. B. Walker. 2,525,160, Oct. 10.
Camera and folding lens mount therefor. H. Bodlander. 2,495,223. Jan. 24.
Camera and indicia recording means, Combined. A. P. Neyhart. 2,521,667, Sept. 5.
Camera and lighting support. L. M. Krogman. 2,495,265, Jan. 24.
Camera and sliding plate shutter therefor. H. Bodlander. 2,495,224, Jan. 24.
Camera accessory for making titles and special effects, Motion-picture. L. Pollock. 2,505,990, May 2.
Camera back. E. Tallmadge. 2,531,751, Nov. 28.
Camera back with removable collapsible hood, Photographic. C. F. Brundage. 2,500,058, Mar. 7.
Camera bellows having electrically conducting portions. M. Schwartz and W. Castedello. 2,516,347, July 25.
Camera carrying case. E. H. Nelson. 2,535,152, Dec. 26.
Camera construction. L. W. Lessler. 2,527,067, Oct. 24.
Camera control. D. B. Dorsey. 2,527,800, Oct. 31.
Camera diaphragm operating attachment. N. Polanco. 2,496,408, Feb. 7.
Camera, Electric still. R. Williams. 2,520,296, Aug. 29.
Camera equipped with sheet-severing and tab-forming mechanism. A. J. Bachelder. 2,510,306, June 6.
Camera flash synchronizer having inertia switch. N. A. Nelson. 2,513,666, July 4.
Camera for making successive exposures on a film transverse to the length thereof. K. P. Huntzinger. 2,497,358, Feb. 14.
Camera for multiple exposures. L. H. Larsson. 2,535,297, Dec. 26.
Camera for taking ultra-fast moving pictures. M. Gerardin. 2,505,469, Apr. 25.
Camera, Fore-and-aft aerial. B. M. Craig and G. J. Robinson. 2,512,486, June 20.
Camera, Front shutter reflex. J. Stoiber. 2,503,777, Apr. 11.
Camera having built-in diaphragm control means, Reflex. T. C. Dunlap, Jr. 2,504,011, Apr. 11.
Camera having combined film-advancing and shutter-operating means, Roll film. E. J. Dreisbach. 2,522,214, Sept. 12.
Camera having coupled drive and masking means for taking different size exposures, Motion-picture. R. F. Mitchell. 2,528,840, Nov. 7.
Camera having differential means for operating pressure pads, Roll film. L. D. Nadel. 2,495,019, Jan. 17.
Camera having film container movable across the focal plane, Roll-film. G. C. Gillespie. 2,504,323, Apr. 18.
Camera having film cutoff knife and removable magazine. A. V. L. C. Debrie. 2,520,799, Aug. 29.
Camera having film feeding means and spherical film support, Reflector. C. H. Helm. 2,528,308, Oct. 31.
Camera having film winding and shutter setting mechanism. I. W. Doyle and C. V. Johnson. 2,514,991, July 11.
Camera having jeweled aperture members, Body cavity. E. J. Marcouiller. 2,516,132, July 25.
Camera having means for feeding a plurality of film strips, Photographic. S. W. Langdon. 2,531,376, Nov. 21.
Camera having movable roll film body parts for taking different size exposures. W. H. Livens. 2,522,387, Sept. 12.
Camera having reflecting finder system, Reflex. J. A. Haeseler. 2,512,772, June 27.
Camera having reflecting finder system, Reflex. A. B. Harrott. 2,513,861, July 4.
Camera having rotatable lens and mirror turret. L. Mandel. 2,518,347, Aug. 8.
Camera having separable gate forming means, Cinematographic. A. Coutant and J. Mathot. 2,505,231, Apr. 25.
Camera, High-speed. K. McC. Baird. 2,494,082, Jan. 10.
Camera, including mirror guides and resilient stop member, Reflex. G. Baer. 2,529,757, Nov. 14.
Camera, Indentification and fingerprint. W. T. Cirone. 2,530,758, Nov. 21.
Camera lens attaching and clamping mechanism. O. Wittel. 2,500,050, Mar. 7.
Camera lens cone, Removably mounted. E. S. Hineline. 2,502,402, Mar. 28.
Camera, Light concentrating reflector. J. T. Bullock. 2,534,543, Dec. 19.
Camera, Manually operated photofluorographic. R. H. Draeger and H. F. A. Long. 2,510,965, June 13.
Camera mounting apparatus. A. and D. A. Caroselli. 2,531,254, Nov. 21.
Camera, Multiple. S. Noble. 2,507,926, May 16.
Camera, Multiple exposure. P. F. Rice. 2,497,559, Feb. 14.
Camera objective, Wide-angle. M. Reiss. 2,518,719, Aug. 15.
Camera objectives of the Schmidt type, Photographic. C. H. Helm. 2,515,873, July 18.
Camera obscura. V. Scatena. 2,521,483, Sept. 5.
Camera, Photographic. J. Bolsey. 2,508,095, May 16.
Camera, Photographic. C. H. Earhart. 2,533,099, Dec. 5.
Camera, Photographic. R. Mosca. 2,531,783, Nov. 28.
Camera, Plural film roll holding. A. M. Pentland. 2,521,404, Sept. 5.
Camera, Pocket. F. Perlin. 2,521,743, Sept. 12.
Camera provided with range finder, Photographic. J. de Montremy. 2,493,392, Jan. 3.
Camera shutter. J. W. E. Hearn and F. B. Meech. 2,533,800, Dec. 12.
Camera shutter and diaphragm control mechanism. T. Ziaylek, Jr. 2,509,385, May 30.
Camera shutter and film actuating mechanism. P. S. Allen. 2,534,214, Dec. 19.
Camera shutter and synchronizing switch. M. Kaplowitz. 2,498,277, Feb. 21.

Camera shutter, Compound blade symmetrical opening. I. W. Doyle. 2,531,034, Nov. 21.
Camera shutter having built-in flash synchronizing means. F. A. G. Pirwitz. 2,502,668, Apr. 4.
Camera shutter, Photographic. A. P. Svensson. 2,512,815, June 27.
Camera shutter trigger lock. C. C. Fuerst. 2,494,042, Jan. 10.
Camera, Stereoscopic. G. M. Peltz and B. Ivins. 2,505,140, Apr. 25.
Camera support. P. K. Merisuo. 2,521,473, Sept. 5.
Camera support and shutter release, Combined. H. Ryder. 2,498,137, Feb. 21.
Camera, Twin lens reflex. J. H. McIlroy. 2,496,059, Jan. 31.
Camera, Twin-lens reflex. K. Rath. 2,518,718, Aug. 15.
Camera with catadioptric optical system. A. Bouwers. 2,503,319, Apr. 11.
Camera with catadioptric optical system, Reflex. A. Bouwers. 2,504,384, Apr. 18.
Camera with cutoff means, Automatic. R. M. Traversac. 2,534,837, Dec. 19.
Camera with darkroom loaded roll film. F. E. Bierhorst. 2,506,484, May 2.
Camera with delayed shutter action. I. W. Doyle. 2,521,153, Sept. 5.
Camera with finder focusing system, Reflex. J. A. Haeseler. 2,521,790, Sept. 12.
Camera with photoelectric exposure control having photocell shutters connected to camera adjusting means. K. Rath. 2,521,093, Sept. 5.
Camera with readily removable curtain-shutter unit, Photographic. A. H. Gorey. 2,511,157, June 13.
Camera with reflecting view finder, Cinematograph. C. Vinten. 2,498,188, Feb. 21.
Camera, X-ray. R. J. Stava. 2,526,094, Oct. 17.
Cameras having fading means, Cinematographic. J. Bolsey. 2,515,330, July 18.
Camp car. A. B. Carmichael. 2,501,027, Mar. 21.
Camouflaged syringe container. D. Mansfield. 2,515,413, July 18.
Can: *See*—
Self-closing powder can.
Tobacco can.
Can. H. Sebell. 2,521,098, Sept. 5.
Can and drum filling machine. G. Dawson, Jr. 2,512,199, June 20.
Can and holder therefor, Powder dispensing. A. F. Fukal. 2,535,847, Dec. 26.
Can and rodent trap, Combination garbage. G. Lundquist. 2,501,282, Mar. 21.
Can arranging and bagging method and apparatus. W. M. Tomkins. 2,535,880, Dec. 26.
Can body construction. W. Tomarin. 2,496,568, Feb. 7.
Can body end flanger with axially adjustable cam and turret. E. Laxo. 2,514,502, July 11.
Can canceling device. H. J. Smith. 2,496,606, Feb. 7.
Can closing machine. E. V. Cassady. 2,519,353, Aug. 22.
Can-closing machine. W. B. Peterson, Jr., and G. G. Koeberle. 2,521,306, Sept. 5.
Can drying apparatus. W. A. Webb. 2,523,080, Sept. 19.
Can feeding apparatus. W. H. Paulson, Sr. 2,523,968, Sept. 26.
Can feeding device. J. Albertoli. 2,500,503, Mar. 14.
Can feeding mechanism. G. K. Viall and J. H. Blair, Jr. 2,517,742, Aug. 8.
Can filling machine. E. D. Rapisarda. 2,518,064, Aug. 8.
Can opener. J. Lampl. 2,522,382–3, Sept. 12.
Can opener. E. A. Witte, A. M. Holt, and H. P. Martin. 2,522,420, Sept. 12.
Can opener and closure device. D. H. Dauel. 2,495,056, Jan. 17.
Can opener and pouring holder. D. L. Churchill and D. L. Scott. 2,535,783, Dec. 26.
Can Opener, Electric. G. R. Drugman. 2,532,898, Dec. 5.
Can opener support. W. W. Edlund. 2,503,102, Apr. 4.
Can opening and spout forming device. D. Evers. 2,516,375, July 25.
Can opening and spout forming tool. M. W. Watkins. 2,517,266, Aug. 1.
Can-piercing device. W. E. Forcum. 2,525,884, Oct. 17.
Can punch and drain. L. G. Seiler. 2,520,068, Aug. 22.
Can puncturing device. C. Swyers. 2,535,333, Dec. 26.
Can seaming mechanism. O. R. Rowe, C. S. W. King, and W. J. Stolp. 2,511,738, June 13.
Can selector. E. C. Galt. 2,529,603, Nov. 14.
Can-stacking device. M. Moch. 2,526,259, Oct. 17.
Can-testing heads with can-shifting fingers. W. W. Maher. 2,527,560, Oct. 31.
Can unscrambler. E. Bourland. 2,530,419, Nov. 21.
Can unscrambling device. V. A. Harris. 2,505,398, Apr. 25.
Can vacuum closing machine, Square. M. M. Sedwick. 2,535,870, Dec. 26.
Can washer. A. W. Smith. 2,522,310, Sept. 12.
Can with self-erecting flexible spout, Fuel. A. T. Smith. 2,516,728, July 25.
Canapé decorating and retaining stand. E. E. Paoli. 2,504,871, Apr. 18.
Candelabra, Automatic. D. G. Sipes. 2,499,118, Feb. 28.
Candle. H. A. Shaw. 2,533,290, Dec. 12.
Candle. E. H. Winsor. 2,516,441, July 25.
Candle and candle holder. R. H. Churchill. 2,519,544, Aug. 22.
Candle follower. R. H. Churchill. 2,503,236, Apr. 11.
Candle, Metal. T. R. Kwasniewski. 2,503,496, Apr. 11.
Candle, Nonmelting. P. A. Hunicke. 2,515,924, July 18.
Candle residue dispenser. F. Ciano. 2,530,288, Nov. 14.
Candleholder, Decorative. C. R. Curtis. 2,527,706–7, Oct. 31.
Candles, Method and mold for making. I. Harrison and B. C. Voight. 2,520,682, Aug. 29.
Candling machine, Egg. E. Bramson. 2,497,655, Feb. 14.
Candling machine, Egg. C. K. Powell. 2,520,610, Aug. 29.
Cane, Novelty. T. O. Dickensheets. 2,508,104, May 16.
Cane mill. F. Hegenbarth. 2,513,481, July 4.
Cane mill. F. T. Penton. 2,494,195, Jan. 10.
Cane mill. C. F. Schnuck. 2,501,585, Mar. 21.
Canister, Oxygen generating. C. B. Jackson, H. C. Beahm, and A. C. Van Andel. 2,494,131, Jan. 10.
Canister, Oxygen liberating. C. B. Jackson and A. C. Van Andel. 2,517,209, Aug. 1.
Canned food cooker reel. S. Bowman. 2,510,618, June 6.
Canning device, Vegetable. G. S. Coley and J. Sousa. 2,518,757, Aug. 15.
Canning food products under aseptic conditions. L. E. Clifcorn, G. T. Peterson, and J. M. Boyd. 2,514,027, July 4.
Canning tuna fish. O. W. Lang. 2,493,586, Jan. 3.
Cannon pinion indenting fixture. G. C. Childs, III. 2,535,483, Dec. 26.
Canoe, Sectional. F. A. Aimonetti. 2,514,303, July 4.
Canopy. A. E. Puls. 2,502,103, Mar. 28.
Canopy and frame, Boat. W. R. Reynolds. 2,493,833, Jan. 10.
Canopy, Boat. C. H. Bills. 2,505,520, Apr. 25.
Canopy, Camp cot. H. H. Ham. 2,508,254, May 16.
Canopy, Oxygen tent. G. R. Fairlamb. 2,497,832, Feb. 14.
Canopy, Ribbon-type parachute. R. T. Dawes. 2,520,533, Aug. 29.
Canteen for saddles. B. M. Shields. 2,504,738, Apr. 18.
Canteen, Portable water purifying. F. A. De Lisle. 2,507,893, May 16.
Cap: *See*—

Adjustable protector cap.	Nursing bottle cap.
Adjustable spinning cap.	Power press eccentric gear cap.
Bathing cap.	Push on closure cap.
Blasting cap.	Radiator pressure cap.
Bottle cap.	Relief valve cap.
Bubble cap.	Rubber bathing cap.
Chimney cap.	Self-closing automobile gas cap.
Cold wave permanent cap.	Thermal locking radiator cap.
Collapsible tube cap.	Tube and bottle cap.
Delay action blasting cap.	Vent cap.
Dispensing cap.	Vented tank cap.
Fountain pen cap.	
Frangible bottle cap.	
Gasoline tank cap.	
Hair-drying cap.	

Cap. F. H. Dahlstedt. 2,501,760, Mar. 28.
Cap. A. Klar. 2,497,892, Feb. 21.
Cap. L. Lesser. 2,520,643, Aug. 29.
Cap and clip for pens or the like. J. O. Dean. 2,501,439, Mar. 21.
Cap and closure for containers, Self-sealing dispensing. C. N. Bohanan. 2,512,412, June 20.
Cap and glareproof goggle, Combination. M. L. Tannenbaum. 2,523,885, Sept. 26.
Cap and sunshade, Combination. S. Feldman. 2,500,280, Mar. 14.
Cap counting device for packaging machines. L. A. Von Till and F. Schallenkammer. 2,528,196, Oct. 31.
Cap feeding and applying apparatus. H. H. Franz. 2,524,594, Oct. 3.
Cap for children. A. Rothchild. 2,501,006, Mar. 21.
Cap for collapsible tube dispensers. M. Broussard. 2,534,498, Dec. 19.
Cap for collapsible tube, having friction-biased reciprocable closure for the aperture, Apertured. J. V. Zimmerman. 2,532,690, Dec. 5.
Cap for earrings, Receiver. W. Ruml, Jr. 2,501,830, Mar. 28.
Cap for fuel tanks and the like, Filler. F. R. Ambrose.
Cap for gas tanks, Safety. C. E. O'Neal, Jr. 2,531,860, Nov. 28.
Cap for marine oil wells. J. Shannon. 2,532,341, Dec. 5.
Cap for nonrigid disposable nursing bottles. A. M. Allen. 2,497,197, Feb. 14.
Cap for Venetian blind slats, End. S. D. Bradley. 2,498,909, Feb. 28.
Cap for water fountains, Adjustable. M. A. Schultz. 2,530,911, Nov. 21.
Cap holding means for fountain pens. A. M. Andauer. 2,520,752, Aug. 29.
Cap loosener, Screw. G. G. Perkins. 2,503,683, Apr. 11.
Cap remover, Bearing. W. A. Sturm. 2,519,204, Aug. 15. 2,517,372, Aug. 1.
Cap remover, Bottle. A. L. Grey. 2,506,450, May 2.
Cap remover and applicator, Bottle. C. Capriccio. 2,514,566, July 11.
Cap remover with resilient liner, Bottle. C. Capriccio. 2,514,565, July 11.
Capacitance device, Electrical. H. E. Barnes. 2,494,502, Jan. 10.

Capacitor and resistor, Single unit. W. L. Carlson and R. L. Harvey. 2,528,113, Oct. 31.
Capacitor charge and discharge circuit for stroboscopes. D. D. Knowles and C. E. Haller. 2,516,326, July 25.
Capacitor, Electric. R. H. Kimball. 2,503,912, Apr. 11.
Capacitor, Electric. H. L. White, W. Rietz, and R. L. Wolff. 2,503,084, Apr. 4.
Capacitor, Electrical. G. M. Ehlers and G. T. Kodama. 2,499,634, Mar. 7.
Capacitor, Electrical. R. A. Henderson. 2,495,062, Jan. 17.
Capacitor for frequency modulation. H. L. Donley and C. Wentworth. 2,526,207, Oct. 17.
Capacitor, Rolled type. J. H. Wurster. 2,531,185, Nov. 21.
Capacitor, Unitary inductor and trimming. E. R. Burroughes. 2,502,202, Mar. 28.
Capacitor, Variable. E. P. Thias and W. W. White. 2,504,758, Apr. 18.
Capacitors, Making. K. H. Brandt. 2,531,389, Nov. 28.
Capacity control for steam generators. J. V. Pyle. 2,520,510, Aug. 29.
Capacity pickup follow-up system. W. K. Ergen. 2,534,505, Dec. 19.
Capillary refrigerant control, including dehydrator. C. L. Aughey and L. V. McCarty. 2,505,934, May 2.
Capped prong ring. E. D. Janes. 2,519,965, Aug. 22.
Capped prong ring. O. B. Maxim and E. D. Janes. 2,519,585, Aug. 22.
Capping machine. H. G. Vore. 2,516,278, July 25.
Capping machine, Bottle. A. C. Naccarato and R. E. McCauley. 2,498,443, Feb. 21.
Capping means for electric vacuum tubes. A. Commin. 2,516,450, July 25.
Capping preparation, Dental pulp. N. L. Wheeler. 2,516,438, July 25.
Capping strawberries. J. H. Stansbury. 2,508,728, May 23.
Capryldinitrophenyl crotonate. W. F. Hester and W. E. Craig. 2,526,660, Oct. 24.
Capsulator. R. E. Moule. 2,513,581, July 4.
Capsule. A. A. Greenberg. 2,527,992, Oct. 31.
Capsule counter. E. L. Bejcek. 2,527,694, Oct. 31.
Capsule filling device having a standard, a rotatably and slidably mounted platform, and rotatably mounted spreader means thereon. J. Nordman. 2,526,965, Oct. 24.
Capsule, Plurality. A. A. Greenberg. 2,494,294, Jan. 10.
Capsule, Sealing. J. Frascari. 2,503,944, Apr. 11.
Capsule with dispensing punch, Compressed gas. P. Alexander. 2,498,147, Feb. 21.
Capsules and manufacture, Methyl cellulose. H. W. Murphy. 2,526,683. Oct. 24.
Capsules, Manufacturing. A. M. Donofrio. 2,497,212, Feb. 14.
Car: *See*—
Articulated car.
Camp car.
Domed observation car.
Drop bottom mine car.
Drop end gondola car.
Heated refrigerator car.
Mine car.
Mine passenger car.
Multitemperature refrigerator car.
Prefabricated railway refrigerator car.
Railroad car.
Railway house car.
Refrigerated car.
Refrigeration car.
Refrigerator car.
Shuttle car.
Snow sweeper railway car.
Track cleaning car.
Trailer camp car.
Car and accessories therefor, Kiln. B. C. Miller and J. H. Isenhour. 2,516,786, July 25.
Car arrangement, Sleeping. M. Watter. 2,504,769, Apr 18.
Car construction, Railway. R. A. Meldrum. 2,519,320, Aug. 15.
Car coupler hitching-pin retaining means. W. R. Stamler. 2,509,459, May 30.
Car door. W. A. Beauchamp. 2,494,467, Jan. 10.
Car door fastener. W. A. Beauchamp. 2,511,425, June 13
Car dumper sampling apparatus. A. Bur. 2,533,090, Dec. 5.
Car facilities, Sleeping. A. G. Dean and N. W. Fesmire. 2,514,032, July 4.
Car key container. A. Segui, Jr. 2,509,318, May 30.
Car or truck tank, Railroad tank. G. I. Carlisle, Sr. 2,513,450, July 4.
Car partition, Stock, E. W. Kidwell. 2,500,362, Mar. 14.
Car propelling means. H. E. Wood. 2,504,290, Apr. 18.
Car roof, Railway. R. M. Shaver. 2,519,079, Aug. 15.
Car scotch. S. H. Neeley. 2,508,282, May 16.
Car squeeze. E. S. Beckett. 2,529,588, Nov. 14.
Car stop. F. K. Holmested. 2,499,955, Mar. 7.
Car top carrier. F. H. and G. C. Hacker. 2,506,421 May 2.
Car truck stabilizer. E. G. Mangels. 2,514,776, July 11.
Caramel color separation. J. E. Cleland and J. B. Longenecker. 2,533,221, Dec. 12.
Carbamate esters. F. Strain. 2,528,398, Oct. 31.
Carbamic acid esters. J. A. Aeschlimann and A. Stempel. 2,493,710, Jan. 3.
Carbamic acid esters of (3-hydroxy-2-pyridylmethyl) amines and salts thereof. J. A. Aeschlimann and A. Stempel. 2,512,732, June 27.
Carbamyalkyl phosphates and preparation. J. T. Cassaday, E. I. Hoegberg, and B. D. Gleissner. 2,494,283, Jan. 10.
Carbazol derivatives of the anthraquinone series and their preparation, Sulfonated. E. Gutzwiller. 2,524,524, Oct. 3.
Carbazole from ortho-nitrobiphenyl, Preparing. M. S. Larrison. 2,508,791, May 23.
Carbide article and making, Boron. G. R. Finlay. 2,529,333, Nov. 7.
Carbide feed mechanism for acetylene generators. H Hooper. 2,519,471, Aug. 22.
Carbocyanine dyes, Preparing. A. W. Anish. 2,508,325, May 16.
Carbohydrate C-nitroolefins and preparation. J. C. Sowden. 2,530,342, Nov. 14.
Carbohydrate preservative. E. A. Bried. 2,497,579, Feb. 14.
Carbon, Activated protective. J. C. Morrell and G. T. Tobiasson. 2,511,289, June 13.
Carbon adsorption of impurities from acidic streptomycin solutions, Selective. R. D. Babson and M. Tishler. 2,521,770, Sept. 12.
Carbon articles, Production of shaped. F. L. Shea, Jr. and L. H. Juel. 2,500,209, Mar. 14.
Carbon black. W. B. Wiegand and C. W. Sweitzer. 2,518,211, Aug. 8.
Carbon black, Manufacture of. G. L. Heller. 2,529,873, Nov. 14.
Carbon black, Manufacture of. J. A. Schaeffer. 2,532,789, Dec. 5.
Carbon black, Manufacture of. W. B. Wiegand and H. A. Braendle. 2,499,438, Mar. 7.
Carbon black pelleting. M. L. Studebaker. 2,503,361, Apr. 11.
Carbon black process. L. J. Venuto. 2,500,968, Mar. 21.
Carbon black products, Producing. H. C. Foster and B. Johnson. 2,495,925, Jan. 31.
Carbon bodies, Production of. L. C. Swallen. 2,502,183, Mar. 28.
Carbon body and making. F. L. Shea, Jr., and L. H. Juel, 2,527,596, Oct. 31.
Carbon body and making. L. C. Swallen and H. W. Nelson, 2,527,595, Oct. 31.
Carbon dioxide articles, Method and apparatus for making spherical. E. A. Joerren. 2,499,386, Mar. 7.
Carbon dioxide generator. J. P. Sanderson, P. V. Paulus, and W. P. Yant. 2,494,145, Jan. 10.
Carbon dioxide snow, Production of. W. H. Freygang. 2,493,759, Jan. 10.
Carbon electrode. B. L. Bailey. 2,527,294, Oct. 24.
Carbon impregnated with sodium cyanate and copper oxide. J. C. Morrell and G. T. Tobiasson. 2,513,508, July 4.
Carbon manufacture, Activated. K. B. Stuart. 2,501,700, Mar. 28.
Carbon monoxide and hydrogen gas mixture from carbonaceous materials, Producing a. W. F. Rollman. 2,527,197, Oct. 24.
Carbon pile regulator. W. G. Neild. 2,533,038, Dec. 5.
Carbon pile regulator. M. J. Neuner. 2,509,106, May 23.
Carbon, Preparation of a protective adsorbent. J. C. Morrell and G. T. Tobiasson. 2,511,288, June 13.
Carbon, Production of a protective. J. C. Morrell and G. T. Tobiasson. 2,523,875, Sept. 26.
Carbon, Production of activated. J. A. Slyh, M. Janes, and E. G. Doying. 2,508,474, May 23.
Carbon remover and metal surface cleaning composition. B. Borus and G. A. Martin. 2,509,197, May 30.
Carbon-set form. F. J. Hauer. Re. 23,214, Mar. 28.
Carbon supplying composition. S. A. Gilbert and A. H. Stanley. 2,530,459, Nov. 21.
Carbonaceous articles and production thereof. H. A. Wilhelm and P. S. Gerald. 2,521,495, Sept. 5.
Carbonate esters, Production of. A. Pechukas. 2,518,058, Aug. 8.
Carbonating and cooling means. L. Arnett. 2,519,533, Aug. 22.
Carbonating apparatus. A. A. Smith. 2,527,659, Oct. 31.
Carbonator apparatus. A. A. Quimper. 2,497,741, Feb. 14.
Carbonator control. A. F. McMahon. 2,521,472, Sept. 5.
Carbonator, Liquid. G. W. Bayers, Jr. 2,514,463, July 11.
Carbonization apparatus. G. W. Wallace. 2,531,998, Nov. 28.
Carbonization by direct heating in a rotary retort. C. E. Hemminger. 2,511,709, June 13.
Carbonization of coal in a fluidized bed. K. J. Nelson and H. Z. Martin. 2,534,728, Dec. 19.
Carbonizing coal with iron oxide. A. D. Singh. 2,512,076, June 20.
Carbons for electrical and the like uses, Artificial. M. V. Oswald. 2,520,651, Aug. 29.
Carbothermal magnesium furnace charge, The production of. W. M. Yates and H. E. Swayze. 2,508,878, May 23.
Carboxy alkyl cellulose impression materials and impressions made therefrom. H. V. Joy. 2,520,805, Aug. 29.
Carboxyalkyl cellulose, Manufacture of. B. T. Lamborn. 2,513,807, July 4.
Carboxyalkyl cellulose, Production of low viscosity. W. M. Branan and H. H. Holmes. 2,517,835, Aug. 8.
Carboxyalkyl ethers of carbohydrate gums. O. A. Moe. 2,520,161, Aug. 29.
Carboxyalkyl ethers of cellulose, Preparation of. E. D. Klug and J. S. Tinsley. 2,517,577, Aug. 8.

Carboxyethyl cellulose ethers. W. M. Hutchinson. 2,519,249, Aug. 15.
Carboxylic acid anhydrides, Preparation of. W. F. Gresham and R. E. Brooks. 2,497,304, Feb. 14.
Carboxymethyl cellulose, Making. R. W. Swinehart and S. R. Allen. 2,524,024, Sept. 26.
Carboxymethylcellulose, Manufacture of. W. F. Waldeck. 2,510,355, June 6.
Carboxyphenylamino-amino-diphenyl sulfide and preparation thereof. A. A. Goldberg and H. S. Turner. 2,506,019, May 2.
Carbureting device. M. L. Mennesson. 2,533,602, Dec. 12.
Carburetor. O. A. Arvastsson. 2,531,661, Nov. 28.
Carburetor. H. S. Brown, W. E. Armstrong, and J. V. Reichenbach. 2,529,242, Nov. 7.
Carburetor. G. C. Fricke and R. W. Sloane. 2,503,036, Apr. 4.
Carburetor. P. Kollsman. 2,526,673, Oct. 24.
Carburetor. L. Lee, II. 2,493,587, Jan. 3.
Carburetor. J. M. J. F. Méyniér. 2,530,716, Nov. 21.
Carburetor. G. F. Rouquette. 2,522,196, Sept. 12.
Carburetor. A. C. Russell. 2,506,812, May 9.
Carburetor. J. H. Stresen-Reuter. 2,509,994, May 30.
Carburetor. J. H. Stresen-Reuter. 2,525,083, Oct. 10.
Carburetor. J. Williams. 2,498,598, Feb. 21.
Carburetor accelerating pump. H. A. Carlson. 2,493,804, Jan. 10.
Carburetor accelerating pump. O. Henning. 2,529,655, Nov. 14.
Carburetor, Aircraft. A. W. Orr, Jr. 2,529,100, Nov. 7.
Carburetor and degasser, Combined. M. Mallory. 2,506,511, May 2.
Carbureting apparatus. J. H. Leslie, II. 2,511,213, June 13.
Carburetor arrangement for V-type air cooled engines. J. Růžička. 2,525,374, Oct. 10.
Carburetor, Constant air velocity. L. J. Spranger. 2,521,421, Sept. 5.
Carburetor, Floatless. A. C. Russell. 2,529,665, Nov. 14.
Carburetor for triturated coal. W. C. Williams. 2,522,203, Sept. 12.
Carburetor, Manifold injection. S. M. Udale. 2,508,312, May 16.
Carburetor metering control. S. V. Clanahan. 2,504,651, Apr. 18.
Carburetor, Pressure. A. W. Orr, Jr. 2,529,101, Nov. 7.
Carburetor valve. F. J. Raybould. 2,529,572, Nov. 14.
Carburetor venturi construction. F. A. Kommer. 2,525,036, Oct. 10.
Carburizing. G. K. Manning, P. C. Rosenthal and G. P. Krumlauf. 2,525,700, Oct. 10.
Carburizing low carbon strip steel. F. T. Cope. 2,513,713, July 4.
Card aligning device. P. L. Cole. 2,527,532, Oct. 31.
Card and envelope assembly, Greeting. W. C. Baynes. 2,497,064, Feb. 14.
Card apron. T. M. Knowland and D. R. Currier. 2,522,277, Sept. 12.
Card box. P. S. Godfrey. 2,533,577, Dec. 12.
Card cabinet. C. A. Phillips. 2,530,781, Nov. 21.
Card comparing machine, Statistical. J. T. Ferry. 2,496,124, Jan. 31.
Card convertible into a toy hat, Display. R. H. Moen and M. E. Patton. 2,521,017, Sept. 5.
Card, Cross display. R. A. Catozella. 2,501,314, Mar. 21.
Card delivery mechanism for sorting machines. K. J. Braun. 2,533,422, Dec. 12.
Card, Display. N. R. Cronquist. 2,513,456, July 4.
Card, Display. T. L. Leach. 2,506,461, May 2.
Card feeding device. A. F. Hayek. 2,533,932, Dec. 12.
Card feeding mechanism. G. F. Daly. 2,510,559, June 6.
Card file, Folding. R. D. Miller. 2,529,702, Nov. 14.
Card filing equipment. G. C. Bruen. 2,510,924, June 6.
Card, Film record. J. F. Langan. 2,511,859, June 20.
Card for sequence sorting. A. A. Rembold. 2,531,786, Nov. 28.
Card handling mechanism. R. T. Blakely. 2,533,309, Dec. 12.
Card holder. D. G. Gahris. 2,530,296, Nov. 14.
Card, Index. B. Brunhart. 2,518,749, Aug. 15.
Card index. J. W. Gross. 2,505,892, May 2.
Card index. J. B. Hitchings. 2,505,116, Apr. 25.
Card-interlock system, Identification. E. J. Bastin, Jr., and G. V. Lyons. 2,494,155, Jan. 10.
Card, Key filing. W. H. Coley. 2,506,199, May 2.
Card Machine, Color. J. A. McKay and R. J. Worsley. 2,525,612, Oct. 10.
Card making machine, Stencil. R. H. Holmwood and P. A. Hauck. 2,518,010, Aug. 8.
Card, Office filing. L. J. Gottschalk. 2,502,785, Apr. 4.
Card or the like, Menu. E. Josephy. 2,507,307, May 9.
Card, Perforated record. J. T. Ferry. 2,535,125, Dec. 26.
Card punching machine for detecting double punchings and blank columns. E. J. Keedy. 2,500,288, Mar. 14.
Card, Record. W. A. Ayres. 2,493,847–8, Jan. 10.
Card, Record. E. F. Johnson. 2,532,365, Dec. 5.
Card, Record. J. F. Langan. 2,512,106, June 20.
Card Recording and controlling. K. A. Knutsen. 2,508,953, May 23.
Card retainer for telephones, Snap coupled index. M. B. Disken. 2,512,457, June 20.
Card retaining device. J. Tendler. 2,526,297, Oct. 17.
Card, Sequence and selective sortable marginal. P. M. Zenner. 2,514,531, July 11.
Card-sorting device. A. W. Feiertag. 2,525,405, Oct. 10.
Card sorting device, Collapsible. N. S. Welk and R. Connor. 2,509,546, May 30.
Card, Tabulating. M. E. Bailey. 2,507,085, May 9.
Card, Three-in-one greeting. O. L. Otterson. 2,504,277, Apr. 18.
Card title holder. H. H. Vanderzee. 2,519,299, Aug. 15.
Cards, tablets, notices, signs, and the like, Display. A. J. Schilperoort. 2,507,578, May 16.
Cardcase for meter readers. J. W. Bickel. 2,532,053, Nov. 28.
Cardholder. P. R. Vogel. 2,532,132, Nov. 28.
Carding machine. C. E. White. 2,506,005, May 2.
Cargo bracing means for railway freight cars. R. W. Cox. 2,509,966, May 30.
Cargo handling means. H. Hamilton. 2,498,161, Feb. 21.
Carline roof joint. J. M. Rudel. 2,513,054, June 27.
Carloading jack. B. L. Churchill. 2,507,769, May 16.
Carnauba wax as slip agent for vinylidene chloride-acrylonitrile copolymer films. P. M. Hauser. 2,525,671, Oct. 10.
Carotene derivative and preparing the same. D. Melnick. 2,529,659, Nov. 14.
Carpet fastener. J. F. Gibson. 2,498,991, Feb. 28.
Carpet joint and process. C. H. Masland, 2nd. 2,524,456, Oct. 3.
Carpet sweeper brush and wheel pressure adjusting mechanism. P. Heftler. 2,531,430, Nov. 28.
Carpet sweeper with removable dustpan assembly. P. J. Kircher. 2,502,403, Mar. 28.
Carpets, Laying. T. B. Van Belle. 2,529,463, Nov. 7.
Carpule filling machine. N. Applezweig. 2,503,147, Apr. 4.
Carriage, Adjustable domestic tool. W. W. Dick. 2,528,872, Nov. 7.
Carriage and hoist for milk cans, Overhead. B. V. Culp. 2,520,238, Aug. 29.
Carriage and stroller, Convertible baby. W. L. Raucher. 2,494,489, Jan. 10.
Carriage attachment, Baby. O. J. Cunningham. 2,507,095, May 9.
Carriage, Baby. A. J. Grant. 2,523,567, Sept. 26.
Carriage, Baby. H. Margiloff. 2,525,924, Oct. 17.
Carriage, Cabinet drawer. M. Fox. 2,523,821, Sept. 26.
Carriage control means, Selector switch. G. Deakin. 2,520,131, Aug. 29.
Carriage control mechanism for photocomposing apparatus and the like. M. E. Miller. 2,518,166, Aug. 8.
Carriage, Convertible baby. R. S. Aries. 2,530,592, Nov. 21.
Carriage, Folding baby. A. H. Kelch, Jr. 2,508,398, May 23.
Carriage, Folding baby. F. Němec. 2,511,990, June 20.
Carriage for span brackets, Retrieving. W. G. Milne. 2,500,996, Mar. 21.
Carriage having universal horizontal shifting platform. Frederick Koenigkramer and Frank Koenigkramer. 2,512,160, June 20.
Carriage means for flushing the interior of lengths of pipe, Guided. C. G. Ellig. 2,494,380, Jan. 10.
Carriage return mechanism for record controlled embossing machines. C. J. Fitch. 2,531,877, Nov. 28.
Carriage return mechanism for record making machines. O. W. Swanson. 2,533,153, Dec. 5.
Carriage shifting mechanism. H. Gang. 2,527,990, Oct. 31.
Carriage, Stair traveling baby. C. Boltson. 2,506,292, May 2.
Carriage tabulating means. H. Gang. 2,531,204, Nov. 21.
Carriage with collapsible dasher, Baby. H. W. Wickman and G. A. J. Racine. 2,521,434, Sept. 5.
Carrier: *See*—

- Adjustable trunk carrier.
- Airplane passenger carrier.
- Apparel carrier.
- Article carrier.
- Article or package carrier.
- Baby carrier.
- Bale carrier.
- Battery carrier.
- Bottle carrier.
- Car top carrier.
- Carton carrier.
- Collapsible bottle carrier.
- Collapsible carrier.
- Combination article carrier.
- Combine header carrier.
- Convertible parcel carrier.
- Differential carrier.
- Display carrier.
- Door carrier.
- Emergency plane carrier.
- Fishing pole carrier.
- Golf bag carrier.
- Golf club carrier.
- Invalid carrier.
- Live minnow and fish carrier.
- Load carrier.
- Luggage carrier.
- Melon carrier.
- Motorcycle saddle carrier.
- Package carrier.
- Photoengraving lamp carrier.
- Receptacle carrier.
- Record album carrier.
- Record carrier.
- Shopping bag carrier.
- Slide carrier.
- Tire carrier.
- Tow target carrier.
- Tray carrier.
- Typewriter ribbon carrier.
- Universal tire supporting carrier.
- Visible record tray carrier.
- Wheeled golf club carrier.

Carrier. E. L. Erickson. 2,502,781, Apr. 4.
Carrier. W. A. Ringler. 2,518,818, Aug. 15.
Carrier and applicator, Amalgam. C. S. Ivory. 2,503,156, Apr. 4.

Carrier and applicator, Cosmetic. A. N. Turnes. 2,521,269, Sept. 5.
Carrier and container for hypodermic springes. A. Pestolesi. 2,523,877, Sept. 26.
Carrier and enclosure therefor, Package. J. C. Gantz, W. J. Holl, and R. E. Everly. 2,521,057, Sept. 5.
Carrier and loader, All purpose vehicle. J. L. Sullivan. 2,528,672, Nov. 7.
Carrier chain. J. K. Korra. 2,527,938, Oct. 31.
Carrier communication system. D. Mitchell. 2,535,446, Dec. 26.
Carrier-current relay. H. W. Lensner. 2,519,258, Aug. 15.
Carrier for a combination hot water bottle, ice bag, and fountain syringe. E. M. Stewart. 2,532,962, Dec. 5.
Carrier for automobiles, Luggage. B. A. Andersson. 2,514,462, July 11.
Carrier for bait-casting plugs and lures. C. T. Williams. 2,513,538, July 4.
Carrier for cane mills, Intermediate. P. V. Tippet. 2,507,067, May 9.
Carrier for capsules and the like. M. R. Fields. 2,534,815, Dec. 19.
Carrier for chimed cans. T. W. Foster. 2,523,985, Sept. 26.
Carrier for desert water bags. W. H. Ivey. 2,521,221, Sept. 5.
Carrier for destructive distillation, Radiantly heated rotary. L. A. Mekler. 2,533,492, Dec. 12.
Carrier for draft riggings, Drawbar. W. J. Metzger. 2,515,964, July 18.
Carrier for fishhooks, flies, leaders, etc. W. Fecteau. 2,509,490, May 30.
Carrier for gas containers. W. C. Gatewood. 2,497,597, Feb. 14.
Carrier for knitting machines, Yarn. W. W. Saunders. 2,528,389, Oct. 31.
Carrier for photographic roll films for cameras. W. C. Huebner. 2,504,527, Apr. 18.
Carrier for processing articles, Abrasive. J. Lupo. 2,534,282, Dec. 19.
Carrier for radioactive slugs. G. Strickland. 2,514,909, July 11.
Carrier for railroad truck axles, Emergency. G. D. Lyles. 2,522,626, Sept. 19.
Carrier for small animals. M. V. McGonicle. 2,522,391, Sept. 12.
Carrier for supporting lantern slides of varying thicknesses, Slide. D. D. Lowber, A. A. Gradisar, and D. I. Critoph. 2,522,760, Sept. 19.
Carrier for tapered top cans. T. W. Foster. 2,523,986, Sept. 26.
Carrier ring and dial assembly. E. St. Pierre and J. Wawzonek. 2,527,688, Oct. 31.
Carrier, tandem seat, and basket, Combination luggage. C. H. Easley. 2,498,663, Feb. 28.
Carrier telegraph receiving circuit. K. W. Pfleger. 2,522,130, Sept. 12.
Carrier wave communication system. W. C. Dillon and C. H. Kehm. 2,535,906, Dec. 26.
Carrier wave receiving arrangements, Antifade. "R" L. Hollingsworth. 2,510,889, June 6.
Carroting solution. K. J. Hassan. 2,500,678, Mar. 14.
Carrousel. W. J. Drucker. 2,514,154, July 4.
Carrousel, Manually operated collapsible. W. J. Drucker. 2,515,499, July 18.
Carrying apparatus. H. W. Moseley. 2,495,658, Jan. 24.
Carrying case. A. J. Bradford. 2,514,368, July 11.
Carrying device. H. McMilland. 2,500,848, Mar. 14.
Carrying device, Number or letter. E. A. Crosby. 2,510,331, June 6.
Carrying means for golf bags. C. H. Endee. 2,533,440, Dec. 12.
Carrying mechanism for calculating machines. J. Carlsen. 2,499,946, Mar. 7.
Carrying mechanism for calculating machines. J. Carlsen. 2,503,613, Apr. 11.
Carrying out catalytic reactions, Method and apparatus for. E. W. S. Nicholson. 2,514,288, July 4.
Carrying out exothermic chemical reactions, Process and apparatus. L. A. Stengel. 2,512,586, June 20.
Cart. B. W. Sherer. 2,497,240, Feb. 14.
Cart and dishwasher, Combination serving. C. M. Macon. 2,502,265, Mar. 28.
Cart, Basket. D. L. McKibben. 2,502,579, Apr. 4.
Cart, Collapsible. A. J. Marcouiller. 2,531,856, Nov. 28.
Cart, Folding. J. M. St. Paul. 2,506,319, May 2.
Cart, Folding golf bag. H. E. Marvin. 2,518,803, Aug. 15.
Cart for milk cans and the like, Hand. R. E. Putnam. 2,522,894, Sept. 19.
Cart for transporting golf bags. N. B. Williamson. 2,523,893, Sept. 26.
Cart, Golf club. V. B. Haney. 2,513,020, June 27.
Cart, Milk can. J. R. Stoltzfus. 2,526,295, Oct. 17.
Cart, Shopping bag carrier. F. W. Dewing. 2,514,849, July 11.
Cartesian diver. F. C. McGaughy. 2,525,232, Oct. 10.
Carton. F. R. Buhrmaster. 2,517,080, Aug. 1.
Carton. W. J. Byrd. 2,502,417, Apr. 4.
Carton. J. W. Cox. 2,529,140, Nov. 7.
Carton. W. P. Frankenstein. 2,493,189, Jan. 3.
Carton. W. P. Frankenstein. 2,494,234, Jan. 10.
Carton. W. P. Frankenstein. 2,514,384, July 11.
Carton. W. P. Frankenstein. 2,519,831, Aug. 22.
Carton. W. P. Frankenstein. 2,529,147, Nov. 7.
Carton. W. P. Frankenstein. 2,535,056, Dec. 26.
Carton. F. C. Gluck. 2,507,403–04, May 9.
Carton. R. Guyer. 2,524,441, Oct. 3.
Carton. J. Lang. 2,522,049, Sept. 12.
Carton. D. W. McPherson. 2,521,989, Sept. 12.
Carton. B. A. Rafoth and G. E. Wauda. 2,509,616, May 30.
Carton. A. Read. 2,523,668, Sept. 26.
Carton. G. Rottman. 2,499,780, Mar. 7.
Carton. M. Thomas. Re. 23,266, Sept. 5.
Carton. M. Thomas. 2,505,442, Apr. 25.
Carton. W. J. Tyrseck. 2,513,902, July 4.
Carton. W. J. Tyrseck. 2,533,070, Dec. 5.
Carton. R. Van Rosen. 2,515,026, July 11.
Carton. G. E. Wauda. 2,527,167, Oct. 24.
Carton. J. A. Zinn, Jr. Re. 23,204, Mar. 7.
Carton and carton blank. C. J. Prawdzik. 2,509,447, May 30.
Carton and closure therefor. C. R. Yancey. 2,507,430, May 9.
Carton and display basket. J. G. Fettinger. 2,505,034, Apr. 25.
Carton and making it. R. M. Bergstein. 2,529,128, Nov. 7.
Carton and sealing the flaps thereof. W. J. Cupo. 2,496,336, Feb. 7.
Carton blank feeder. R. A. Bloom. 2,530,644, Nov. 21.
Carton, Bottle. G. C. Currie. 2,529,725, Nov. 14.
Carton, Bottle-carrying. M. W. Keith. 2,522,950, Sept. 19.
Carton carrier. H. Z. Gray. 2,514,858, July 11.
Carton, Cell type. C. H. Goodyear. 2,525,125, Oct. 10.
Carton, Cellular. W. H. Allen. 2,512,991, June 27.
Carton, Cellular. K. T. Buttery. 2,527,701–2, Oct. 31.
Carton, Collapsible egg. H. Levine. 2,503,343, Apr. 11.
Carton closure having metallic clip fastening means, Resealable. G. S. Vivian. 2,533,539, Dec. 12.
Carton, Cradle egg. C. L. Monahan. 2,512,111, June 20.
Carton, Display. R. J. Hennessey. 2,518,779, Aug. 15.
Carton, Display and dispensing. W. A. Ringler. 2,517,030, Aug. 1.
Carton, Display and shipping. W. J. Wells. 2,495,676, Jan. 24.
Carton, Egg. W. H. Allen and M. G. Hall. 2,533,340, Dec. 12.
Carton erecting machine. L. Benoit and R. Vahle. 2,505,703, Apr. 25.
Carton filling apparatus, Egg. K. T. Buttery and E. Hubbard. 2,507,489, May 11.
Carton, Folding. V. R. Pantalone. 2,523,250, Sept. 19.
Carton for ink bottles. R. Chemlinski. 2,504,179, Apr. 18.
Carton for sensitive electrical instruments, Shipping. C. O. Kishibay. 2,516,124, July 25.
Carton having metal corrosion inhibiting characteristics. C. A. Hutter. 2,534,201, Dec. 12.
Carton, Lined. J. W. Wilson. 2,516,820, July 25.
Carton, Molded pulp. J. W. Cox. 2,517,465, Aug. 1.
Carton or container, Lined. K. T. Buttery. 2,493,337, Jan. 3.
Carton, Portable bottle refrigerator. W. F. Kornfeld and W. S. Nagle. 2,514,651, July 11.
Carton protector. L. Schott. 2,510,760, June 6.
Carton, Reclosable. W. A. Ringler. 2,508,193, May 16.
Carton, Self-locking. A. A. Abrams. 2,511,523, June 13.
Carton structure. A. S. Napier. 2,525,268, Oct. 10.
Carton, Telescopic shipping. B. M. Williams. 2,510,004, May 30.
Carton, Tray type collapsible. C. H. Goodyear. 2,531,507, Nov. 28.
Carton, Ventilated cardboard. N. Carter. 2,532,085, Nov. 28.
Carton with handle, Collapsible compartmented. M. H. Kowal. 2,525,686, Oct. 10.
Cartons, Making knockdown, hinged lid. S. Bergstein. 2,515,327, July 18.
Cartridge. C. E. Simpson. 2,514,422, July 11.
Cartridge container. O. E. Brownsey. 2,526,195, Oct. 17.
Cartridge dispenser. E. P. Fraley. 2,508,820, May 23.
Cartridge feeder and cartridge feeder dog for automatic firearms. A. F. C. Henckel. 2,499,583, Mar. 7.
Cartridge feeding means for automatic firearms. J. Koucky. 2,519,582, Aug. 22.
Cartridge feeding mechanism. R. S. Sanford. 2,501,143, Mar. 21.
Cartridge-feeding mechanism for firearms. D. M. Williams. 2,509,382, May 30.
Cartridge for cameras, Film carrying. F. Perlin. 2,513,740, July 4.
Cartridge for ion exchange, Multibed. L. Monfried. 2,525,497, Oct. 10.
Cartridge for smoke simulating powder. W. C. Forrest. 2,506,203, May 2.
Cartridge, Grease gun. A. W. McCarty. 2,493,891, Jan. 10.
Cartridge magazine for automatic firearms. G. W. Patchett. 2,510,831, June 6.
Cartridge magazine for machine pistols and the like. K. H. Sundén. 2,515,809, July 18.
Cartridge, Orifice. H. J. Matteson. 2,524,569, Oct. 3.

Cartridge, Power gas generating. E. Whitworth and T. Thomson. 2,529,791, Nov. 14.
Cartridge, Safety sheathed blasting explosive. J. Taylor and A. H. Phillips. 2,513,531, July 4.
Cartridge unit, Explosive. L. B. Counterman. 2,535,196, Dec. 26.
Cartridges, Electrically ingitable power gas generating blank. T. Thomson and J. S. Shufflebotham. 2,518,958, Aug. 15.
Cartridges, Manufacturing vapor-supplying. W. P. Zabel. 2,518,970, Aug. 15.
Cascade regulator. A. M. Cohen. 2,509,262, May 30.
Case: *See*—
Adjustable level case.
Aluminum gun case.
Automatic cigarette case.
Bearing case.
Beverage bottle case.
Beverage case.
Bottled beverage case.
Brief case.
Camera carrying case.
Carrying case.
Cigarette and match case.
Cigarette case.
Combined camera, light meter, and accessory case.
Combined cigarette and match case.
Combined spectacle and utility case.
Composite overnight and brief case.
Convertible traveling case.
Cosmetic case.
Detachable furniture and packing case.
Dispenser cigarette case.
Display case.
Drill case.
Egg case.
Fanfold pass case.
Golf club case.
Gun case.
Heated display case.
Key case.
Knife case.
Lipstick case.
Merchandise case.
Metal bottle case.
Milk bottle carrying case.
Noise reducing hearing aid case.
Open display refrigerated case.
Open-top refrigerated display case.
Optical case.
Pocket key case.
Pocket-size manicure case.
Refrigerated display case.
Refrigerated self-service display case.
Removable battery case.
Reversible brief case.
Self-service refrigerated food case.
Shipping case.
Spectacle case.
Toilet case.
Universal expansion case.
Vanity case.
Case and fixture therefor, Traveling. M. J. De Leonardis. 2,518,603, Aug. 15.
Case and in particular lipstick case, Tubular. P. Kullmann. 2,526,880, Oct. 24.
Case and lighter, Combined cigarette. A. F. Fukal. 2,529,150, Nov. 7.
Case and locking mechanism therefor, Camera. J. Briskin and J. J. Golick. 2,505,661, Apr. 25.
Case and mounting with forced air cooling device, Combined slide projector. H. L. Mills. 2,493,636, Jan. 3.
Case and refrigerated partition, Refrigerated display. N. Achs. 2,515,285, July 18.
Case construction, Instrument. B. H. Bristol. 2,528,735, Nov. 7.
Case for ammunition, Cartridge. C. D. Burney. 2,535,624, Dec. 26.
Case for fishing reels. C. C. Reynolds. 2,532,119, Nov. 28.
Case for motion-picture reels, Carrying. M. Barnett. 2,499,623, Mar. 7.
Case for motor units. I. Jepson. 2,530,302, Nov. 14.
Case for portable typewriters, Enclosing and supporting. J. L. A. Borel. 2,505,275, Apr. 25.
Case for steering wheels of automobiles, Cigarette. W. Strumbos. 2,514,102, July 4.
Case for suction cleaners of the horizontal tank type, Carrying. E. M. Smith. 2,495,391, Jan. 24.
Case having a defrosting system, Self-service refrigerated. M. D. MacMaster. 2,494,480, Jan. 10.
Case having a key ejecting means, Key. B. Liscow. 2,517,219, Aug. 1.
Case or the like, Refrigerated merchandise display. D. J. Greiling. 2,494,703, Jan. 17.
Case shift mechanism for typewriting machines. R. D. Dodge. 2,517,989, Aug. 8.
Case shift mechanism for typewriting machines. J. F. Koca. 2,501,605, Mar. 21.
Case, the covers of which consist of cardboard, which is doubled by folding it along the edges, Bookbinding. F. P. D'Huy. 2,517,640, Aug. 8.
Case turning-in machine. H. A. Merz. 2,501,733, Mar. 28.
Case with cigarette lighting means, Magazine cigarette. G. R. Johnsson. 2,522,041, Sept. 12.
Case with double-acting spring hinge. R. W. Hyde. 2,506,789, May 9.
Case with ejector and agitator, Cigarette. H. Maschek. 2,529,776, Nov. 14.
Case with ejector locking means, Dispensing cigarette. V. Pino. 2,513,672, July 4.
Case with replaceable complete refrigerated unit, Refrigerated. J. J. Schmidt and L. L. Popky. 2,502,893, Apr. 4.
Case with spring follower, Cigarette. G. Breitwieser. 2,519,020, Aug. 15.
Case with tissue-dispensing container, Luggage. H. L. Kotkins. 2,522,126, Sept. 12.
Casein fibers for felting, Making. R. F. Peterson and R. W. Jackson. 2,525,825, Oct. 17.
Casein filaments treated with mercuric salt and formaldehyde solution. J. F. Corwin, J. R. Calhoun, and T. M. Buzzo. 2,533,356, Dec. 12.
Casein manufacturing process. P. F. Sharp. 2,519,606, Aug. 22.
Casein, Preparing. J. A. Reyniers. 2,518,493, Aug. 15.
Cashbox. G. D. Wiepert. 2,522,768, Sept. 19.
Cashbox, Self-locking. C. F. Harris. 2,524,907, Oct. 10.
Cash drawer or the like. F. J. Bremer. 2,517,175, Aug. 1.
Cash register, accounting machine, and the like. S. E. Werner. 2,533,075, Dec. 5.
Casing and guard, Hearing aid. H. S. Knowles. 2,505,551, Apr. 25.
Casing construction, Cigar lighter. M. Cibrian. 2,508,882, May 23.
Casing cutter. J. E. Dennerline. 2,503,150, Apr. 4.
Casing cutting. A. N. Stanton. 2,535,964, Dec. 26.
Casing for electric apparatus, Two-part. E. J. Zelt. 2,525,467, Oct. 10.
Casing for electrical condensers or other apparatus. P. A. Sporing. 2,509,846, May 30.
Casing for electrical units, Metallic. A. W. Ziegler. 2,503,429, Apr. 11.
Casing for fluid heaters, Sectional. B. E. Mustee. 2,528,771, Nov. 7.
Casing for noise emitting apparatus, Sound absorbing. T. Curzon. 2,505,854, May 2.
Casing for pencils, Display. P. R. Kuhn. 2,502,328, Mar. 28.
Casing for unitary hearing aids. D. H. Young. 2,497,336, Feb. 14.
Casing having selective cover latching means, Camera. G. Fassin. 2,506,863, May 9.
Casing head. G. D. Johnson. 2,532,408, Dec. 5.
Casing members of vacuum cleaners and latches therefor. E. P. Turner. 2,532,432, Dec. 5.
Casing, Razor motor. P. C. Neilsen. 2,496,744, Feb. 7.
Casing structure of portable autographic registers. C. J. Manuel. 2,529,302, Nov. 7.
Casing, Tape. N. H. Shillman. 2,505,653, Apr. 25.
Casings, Preparing colored. C. J. B. Thor, F. W. Tauber, and G. E. Tripp. 2,521,101, Sept. 5.
Casket. M. L. Smith. 2,516,488, July 25.
Casket and burial vault combined. I. V. Westenhaver. 2,508,319, May 16.
Casket, Burial. A. C. Lamb. 2,518,558, Aug. 15.
Casket extension handle. J. A. Haacke. 2,527,721, Oct. 31.
Casket handling apparatus. A. O. Spriggs and D. E. Briner. 2,520,515, Aug. 29.
Casket, Inner seal. F. T. Paden. 2,511,871, June 20.
Casket latch. B. J. Slaughter, Jr., and R. W. Brown. 2,506,553, May 2.
Casket liner, Burial. B. J. Slaughter, Jr., and R. W. Brown. 2,524,402, Oct. 3.
Casket, Metal burial. F. T. Paden. 2,494,577, Jan. 17.
Casket, Metal burial. F. T. Paden. 2,503,293, Apr. 11.
Casket, Plastic. A. P. Dowling. 2,494,473, Jan. 10.
Casket, Sealer. R. W. Brown and P. Wienkamp. 2,519,633, Aug. 22.
Casket sealing means. J. J. McEwan. 2,533,827–8, Dec. 12.
Casserole. M. S. Wright. 2,493,279, Jan. 3.
Cassette. O. M. Summers. 2,511,383, June 13.
Cassette, Photographic. G. Goodhand. 2,519,753, Aug. 22.
Cast iron, Manufacture of black-heart malleable. C. Kluijtmans. 2,501,059, Mar. 21.
Cast mill rolls, Making. F. Cordes. 2,501,663, Mar. 28.
Cast stone units for building walls and laying them in courses. W. E. Kelly. 2,532,922, Dec. 5.
Caster. A. M. Budnick and N. O. Berg. 2,505,852, May 2.
Caster. J. F. Mullen and J. S. Hanson. 2,500,854, Mar. 14.
Caster. A. E. and A. F. Rice. 2,521,948, Sept. 12.
Caster. E. Schultz, Jr. 2,524,236, Oct. 3.
Caster and camber checking equipment. C. C. Aurand and C. H. Watrous. 2,532,749, Dec. 5.
Caster and making, Pressed steel. T. E. Torkelson. 2,500,886, Mar. 14.
Caster brake. C. F. Forbes. 2,494,696, Jan. 17.
Caster centering device. A. E. Bjerke. 2,508,351, May 23.
Caster for furniture rails, Pivot retractable. M. Simonowitz. 2,529,789, Nov. 14.
Caster, Furniture. H. Singer. 2,502,759, Apr. 4.
Caster, Locking. R. H. Loether. 2,527,639, Oct. 31.
Caster, Locking type. W. J. S. Johnson. 2,512,941, June 27.
Caster, Retractable. J. D. McKean. 2,524,819, Oct. 10.
Caster structure. C. R. Nalle. 2,499,277, Feb. 28.
Caster unit for furniture, Concealed. M. C. Simon. 2,535,654, Dec. 26.
Caster with angular vibration damper. G. Hallewell. 2,529,769, Nov. 14.
Caster with grounding link. E. Schultz. 2,533,403, Dec. 12.
Casting. J. B. Brennan. 2,530,853, Nov. 21.
Casting. J. W. Mallach. 2,500,556, Mar. 14.
Casting annular articles. F. G. Carrington. 2,513,142, June 27.
Casting apparatus. J. B. Brennan. 2,530,854, Nov. 21.
Casting apparatus, Centrifugal. G. L. Chase. 2,517,974, Aug. 8.

Casting apparatus, Centrifugal. G. A. Rubissow. 2,495,483, Jan. 24.
Casting apparatus, Continuous. N. P. Goss. 2,510,100, June 6.
Casting arrangement. R. T. Leisk. 2,509,154, May 23.
Casting concrete building elements. J. E. McClellan and J. H. MacDonald. 2,531,576, Nov. 28.
Casting concrete pipes and the like. B. J. Ukropina. 2,526,174, Oct. 17.
Casting, Continuous. G. F. Gunn and C. E. Logan. 2,503,819, Apr. 11.
Casting device for centrifugal casting machines. J. A. Cavallier. 2,523,558, Sept. 26.
Casting device for fishing lines. F. G. Nicholson. 2,496,403, Feb. 7.
Casting glass. R. C. Cleveland and W. H. Said. 2,534,415, Dec. 19.
Casting machine. R. H. Orr. 2,501,536, Mar. 21.
Casting machine, Brick or block. R. S. Reed. 2,514,971, July 11.
Casting machine, Centrifugal. N. Janco. 2,517,317, Aug. 1.
Casting machine, Centrifugal. J. A. Toleik. 2,507,388, May 9.
Casting machine, Stereotype plate. F. A. Foster. 2,520,201, Aug. 29.
Casting machine, Stereotype plate. W. F. Huck. 2,526,753, Oct. 24.
Casting metal. C. S. Trewin and R. A. Gerhard. 2,509,079, May 23.
Casting metals. R. E. Day. 2,497,210, Feb. 14.
Casting method. D. M. Jeffers. 2,500,494, Mar. 14.
Casting of ceramic articles. W. S. Ramsay. 2,521,128, Sept. 5.
Casting of ingots. A. P. Woods, Jr., and C. R Taylor. 2,518,738, Aug. 15.
Casting of metal slabs, Continuous. I. Rossi. 2,496,235, Jan. 31.
Casting of photopolymerizable compositions. J. Gadsby and A. L. L. Tompsett. 2,525,664, Oct. 10.
Casting of refractory articles. W. S. Ramsay. 2,522,298, Sept. 12.
Casting ring insert means, Dental laboratory. F. J. Fiorella. 2,500,246, Mar. 14.
Casting separable fastener stringers. L. H. Morin. 2,496,130, Jan. 31.
Casting screw threads on blast nozzles and the like. D. C. Turnbull. 2,508,874, May 23.
Casting slip. E. Blaha. 2,527,390, Oct. 24.
Casting straps on storage battery plate lugs. C. D. Galloway. 2,502,373, Mar. 28.
Casting universal joints. J. Barber. 2,529,586, Nov. 14.
Castings and making, Calcined gypsum. J. K. Wise. 2,517,070, Aug. 1.
Castor. J. Jacobowitz. 2,511,066, June 13.
Castor for furniture and the like. A. Pinnick. 2,495,599, Jan. 24.
Castor oil-organo silicon reaction products and the production thereof. F. J. Sowa. 2,535,239, Dec. 26.
Castor oil, Production of dehydrated. C. A. Coffey and W. T. Walton. 2,517,765, Aug. 8.
Castor oil soluble Victoria Blue BO and making it, Physical stable. P. J. Wingate and R. O. Ranck. 2,519,210, Aug. 15.
Castor oil with maleic anhydride, products, and compositions thereof, Reacting blown nondehydrated. H. M. Ullmann. 2,502,606, Apr. 4.
Catadioptric systems with correcting lens means. C. G. Wynne. 2,509,554, May 30.
Catalyst and carrying out hydrogenation reactions. A. W. Barry. 2,511,453, June 13.
Catalyst and preparation thereof, Supported. P. G. Nahin and H. C. Huffman. 2,510,189, June 6.
Catalyst apparatus, Fluidized. C. E. Jahnig and H. Z. Martin. 2,515,156, July 11.
Catalyst chamber. W. B. Montgomery and F. Rapasky. 2,504,215, Apr. 18.
Catalyst chamber and heating same. H. R. Legatski. 2,533,945, Dec. 12.
Catalyst contacting apparatus. T. Bockman. 2,530,645, Nov. 21.
Catalyst, Employing fluent. R. E. Bland. 2,492,958, Jan. 3.
Catalyst feeder. R. H. Riemenschneider. 2,524,572, Oct. 3.
Catalyst for conversion of hydrocarbons. C. H. Ehrhardt. 2,507,625, May 16.
Catalyst for polymerizing vinyl acetate. J. A. McCoubrey and M. Kiar. 2,504,436, Apr. 18.
Catalyst, Hydrogenation. R. B. Mason. 2,497,176, Feb. 14.
Catalyst preparation. L. Heard. 2,505,895, May 2.
Catalyst preparation. R. L. Parker, Jr. 2,499,255, Feb. 28.
Catalyst Preparation of. R. L. Daussat and O. W. Moak. 2,502,930, Apr. 4.
Catalyst process for conversion of hydrocarbons, Fluidized. W. R. Riggs. 2,509,745, May 30.
Catalyst recovery process. W. F. Gresham and W. E. Grigsby. 2,534,017, Dec. 12.
Catalyst regeneration apparatus. L. F. Strader. 2,493,784, Jan. 10.
Catalyst regeneration, Process and apparatus for fluidized. H. W. Grote. 2,494,614, Jan. 17.
Catalyst sampler. R. E. Woodham and E. E. Volpi. 2,516,097, July 18.
Catalyst system, Cascade. C. R. Carkeek. 2,534,853, Dec. 19.
Catalyst vessel. B. F. Wobker, E. L. Sloan, and P. P. Briggs. 2,505,851, May 2.
Catalysts. I. Scriabine, J. F. Billan, A. F. S. Bellone, and M. Gaillard. 2,502,348, Mar. 28.
Catalysts and the preparation thereof, Aromatization. R. M. Roberts, F. T. Eggertsen, and B. S. Greensfelder. 2,498,709, Feb. 28.
Catalysts for conversion of hydrocarbons. R. N. Fleck and P. G. Nahin. 2,500,146, Mar. 14.
Catalysts for fluorination. G. H. Cady. 2,510,864, June 6.
Catalysts for hydrocarbon synthesis. E. E. Sensel and R. A. Beck. 2,517,035, Aug. 1.
Catalysts for preparation of synthetic rubber. R. W. Brown. 2,527,393, Oct. 24.
Catalysts for the conversion of carbon-monoxide-containing reactants, Supported. E. E. Sensel and M. M. Stewart. 2,517,036, Aug. 1.
Catalysts suitable for dehydrogenation processes. E. Charles and P. Robinet. 2,504,497, Apr. 18.
Catalytic amine-ketone condensation. B. A. Dombrow. 2,533,723, Dec. 12.
Catalytic apparatus. E. V. Mathy. 2,535,944, Dec. 26.
Catalytic apparatus. N. P. Peet. 2,496,356, Feb. 7.
Catalytic bodies, Preparation of. J. F. Church. 2,500,801, Mar. 14.
Catalytic condensation of furans with compounds capable of yielding hydrocarbon radicals. H. Pines and J. A. Vesely. 2,532,515, Dec. 5.
Catalytic conversion. J. P. Bilisoly. 2,509,204, May 30.
Catalytic conversion. R. J. Hengstebeck. 2,493,917, Jan. 10.
Catalytic conversion of hydrocarbons. L. H. Beckberger. 2,534,752, Dec. 19.
Catalytic conversion of hydrocarbons. F. H. Blanding. 2,506,291, May 2.
Catalytic conversion of hydrocarbons. E. A. Coons. 2,500,737, Mar. 14.
Catalytic conversion of hydrocarbons. R. S. Hovey. 2,514,866, July 11.
Catalytic conversion of hydrocarbons. H. L. Pelzer. 2,507,220, May 9.
Catalytic conversion of hydrocarbons. H. D. Radford. 2,525,814, Oct. 17.
Catalytic conversion of hydrocarbon. R. M. Shirk. 2,526,701, Oct. 24.
Catalytic conversion of hydrocarbons and regeneration of fouled catalyst in stages. K. M. Watson. 2,506,122, May 2.
Catalytic conversion of hydrocarbons to produce alkyl naphthalenes. F. Kunreuther and R. P. Trainer. 2,526,881, Oct. 24.
Catalytic conversion of naphtha for the production of high antiknock gasoline. K. M. Watson. 2,522,696, Sept. 19.
Catalytic cracking of hydrocarbons. J. Delattre-Seguy. 2,526,068, Oct. 17.
Catalytic dehydrogenation. C. Barter. 2,500,482, Mar. 14.
Catalytic desulfurization and reforming process. G. H. Short. 2,522,065, Sept. 12.
Catalytic device. G. P. Schmitt. 2,493,266, Jan. 3.
Catalytic hydrocarbon conversion. J. A. Ridgway, Jr., and P. Hill. 2,533,284, Dec. 12.
Catalytic hydrocarbon treating. C. J. Helmers. 2,528,363, Oct. 31.
Catalytic hydrogenation of alkenyl furans. J. G. M. Bremner, F. Starkey and D. A. Dowden. 2,519,631, Aug. 22.
Catalytic hydrogenation of beta-naphthol to produce beta-tetralone. E. L. Foreman and G. J. Stork. 2,526,859, Oct. 24.
Catalytic oxidation of aromatic hydrocarbons in presence of nitroalkanes. H. Pines and B. Kvetinskas. 2,501,088, Mar. 21.
Catalytic oxidation of heterocyclic aromatic nitrogen compounds. M. B. Mueller. 2,505,568, Apr. 25.
Catalytic oxidation of ketones. D. D. Lee and C. Sparacino. 2,511,475, June 13.
Catalytic oxidation of mercaptans. D. C. Bond. 2,535,833, Dec. 26.
Catalytic oxidation, Process for controlled. W. F. Rollman. 2,526,689, Oct. 24.
Catalytic photopolymerization process and compositions. C. C. Sachs and J. Bond. 2,505,067–8, Apr. 25.
Catalytic plasticizers for natural and synthetic rubber. E. O. Hook. 2,530,355, Nov. 14.
Catalytic polymerization of hydrocarbons. G. R. Bond, Jr., and G. A. Mills. 2,527,522, Oct. 31.
Catalytic polymerization of olefins with hydrogen bromide promoter. D. J. Oriolo. 2,521,939, Sept. 12.
Catalytic process for preparing alcohols. W. F. Gresham. 2,535,060, Dec. 26.
Catalytic process for the preparation of acrylic acid nitrile. F. Kurtz. Re. 23,265, Sept. 5.
Catalytic processes for producing styrenes and the like from diaryl paraffins. M. G. Sturrock and T. Lawe. 2,519,719, Aug. 22.
Catalytic purification of unsaturated hydrocarbons. H. A. Cheney. 2,520,712, Aug. 29.

Catalytic reaction apparatus. L. W. T. Cummings. 2,512,562, June 20.
Catalytic reaction for the production of unsaturated aliphatic aldehydes. A. F. MacLean. 2,517,006, Aug. 1.
Catalytic reactions. H. D. Wilde. 2,534,092, Dec. 12.
Catalytic reactor. C. C. Watson. 2,518,583, Aug. 15.
Catalytic reduction of carbon oxide by hydrogen. W. G. Frankenburg. 2,507,510, May 15.
Catalytic synthesis of hydrocarbons. P. C. Keith. 2,506,221, May 2.
Catalytic treatment and the regeneration of catalyst in stationary beds. P. C. Keith. 2,495,262, Jan. 24.
Catalytic treatment of gases, Method of and apparatus for. E. B. Miller. 2,507,538, May 16.
Catalytically synthesizing hydrocarbons. E. E. Sensel and R. A. Beck. 2,501,695, Mar. 28.
Catamaran, Folding. R. H. Stewart. 2,495,190, Jan. 17.
Catamenial device and surgical pad. J. B. Biederman. 2,508,214, May 16.
Cataphoretic apparatus. D. H. Sieling. 2,500,878, Mar. 14.
Catapult device for launching aerial machines. J. Fieux. 2,515,205, July 18.
Catapult, Flush deck. L. J. Maxson. 2,523,314, Sept. 26.
Catapult, Liquid turbine airplane. W. Nelson. 2,493,014, Jan. 3.
Catch. A. R. Adams. 2,534,693, Dec. 19.
Catch. V. J. Andrew. 2,503,463, Apr. 11.
Catch. F. Johnson. 2,510,582, June 6.
Catch, Automatic safety. F. Vogel. 2,506,561, May 2.
Catch-coupling for coupling an axle to a wheel rotatable round that axle. J. D. Filarski. 2,517,473, Aug. 1.
Catch for automobile doors, Safety. C. R. Bradley. 2,514,738, July 11.
Catch for elevators and the like, Safety. R. H. Pearce. 2,507,046, May 9.
Catch for fountain pens and pencils, Safety. I. S. Chapman. 2,511,903, June 20.
Catch for separable fasteners, Spring biased safety. F. Holzknecht. 2,526,136, Oct. 17.
Catch, Spring. D. A. Morand. 2,504,716, Apr. 18.
Catch, Watch band, terminal. C. A. Domler. 2,525,066, Oct. 10.
Catcher and holder, Hog. W. C. Koger. 2,499,511, Mar. 7.
Catcher and holder, Animal. W. E. Dixon. 2,533,230, Dec. 12.
Catching machine gun bullets. A. N. Benson, F. J. McMorrow, C. E. Septfonds, Jr., and S. C. Blankstein. 2,518,446, Aug. 15.
Catching machine gun bullets, Process and apparatus for. A. N. Benson. 2,518,445. Aug. 15.
Catchup dispenser. "D" F. Bacheller. 2,521,961, Sept. 12.
Catchup dispenser. F. Damiano. 2,532,484, Dec. 5.
Catfish skinning and cleaning clamp. B. J. Anderson. 2,531,546, Nov. 28.
Cathead. W. A. Dickson. 2,512,564, June 20.
Cathead. O. M. Gahagan. 2,526,739, Oct. 24.
Cathead, Automatic. O. M. Gahagan. 2,525,069, Oct. 10.
Cathead construction, Safety-type. S. T. Humberson. 2,497,220, Feb. 14.
Cathode. M. C. Pease. 2,501,354, Mar. 21.
Cathode. B. P. De Lany and P. L. Copeland. 2,507,435, May 9.
Cathode assembly. L. A. Backer and W. H. Happe, Jr. 2,521,682, Sept. 12.
Cathode beam tube. P. K. Weimer. 2,533,073, Dec. 5.
Cathode construction. W. W. Watrous, Jr. 2,498,775, Feb. 28.
Cathode, Dispenser type. J. M. Lafferty. 2,499,192, Feb. 28.
Cathode for electron discharge devices, Activated. R. R. Back. 2,523,269, Sept. 26.
Cathode for electron tubes, Filamentary. H. E. Sorg, P. D. Williams and D. F. Drieschman. 2,525,565, Oct. 10.
Cathode for ignitron, Tilting. S. M. Cork and J. L. Boyer. 2,500,153, Mar. 14.
Cathode for thermionic tubes. F. A. Goulding. 2,496,530, Feb. 7.
Cathode for thermionic valves. A. Stanler. 2,509,702, May 30.
Cathode for valves operating on decimetric waves, Indirectly heated. P. Cahour and A. J. Velte. 2,518,121, Aug. 8.
Cathode, Indirectly heated. B. O. M. Gall. 2,495,580, Jan. 24.
Cathode, Indirectly heated. J. L. H. Jonker. 2,504,335, Apr. 18.
Cathode-ray beam deflection circuit. W. Milwitt and E. H. Schoenfeld. 2,508,926, May 23.
Cathode-ray beam deflection circuit. W. A. Stewart. 2,501,857, Mar. 28.
Cathode-ray beam deflection circuit. R. C. Webb. 2,499,080, Feb. 28.
Cathode-ray device. C. H. Babbs. 2,500,623, Mar. 14.
Cathode-ray device. D. H. Ring. 2,534,372, Dec. 19.
Cathode-ray device, Multitarget. A. E. Anderson. 2,527,113, Oct. 24.
Cathode-ray device, Multitarget. F. B. Llewellyn. 2,496,633. Feb. 7.
Cathode-ray tube. M. E. Amdursky. 2,520,190, Aug. 29.
Cathode-ray tube. J. P. Ferguson. 2,494,992, Jan. 17.
Cathode-ray tube. L. E. Flory. 2,520,240, Aug. 29.
Cathode-ray tube. D. E. Sunstein and A. H. Mankin. 2,533,334, Dec. 12.
Cathode-ray tube circuit. P. J. H. Janssen. 2,532,720, Dec. 5.
Cathode-ray tube circuit. H. S. Wertz. 2,496,970, Feb. 7.
Cathode-ray tube control circuits. R. E. Hall. 2,525,544, Oct. 10.
Cathode-ray tube deflection sensitivity correction circuit. M. B. Kline and P. S. Christaldi. 2,250,728, Aug. 29.
Cathode-ray tube image control. J. Weingarten. 2,530,275, Nov. 14.
Cathode-ray tube receiving system. K. Schlesinger. 2,532,339, Dec. 5.
Cathode-ray tube with target controlled deflecting plates. W. A. Marrison. 2,522,291, Sept. 12.
Cathode structure. L. A. Williams. 2,532,215, Nov. 28.
Cathode support structure, Compressed. P. L. Spencer. 2,524,001, Sept. 26.
Cathode with means for accelerating arc formation, Pool type. B. P. De Lany and P. L. Copeland. 2,507,434, May 9.
Cathodes for electronic tubes, Producing. G. Gallet and N. Thien-Chi. 2,520,760, Aug. 29.
Cathodes for electro-winning manganese, Treating. J. H. Jacobs. 2,495,457, Jan. 24.
Cation active resins, Preparation of. H. M. Day. 2,497,054, Feb. 7.
Cation active resins, Preparation of. H. M. Day and R. L. De Hoff. 2,522,569, Sept. 19.
Cation exchange medium. F. C. McIntire. 2,505,561, Apr. 25.
Cation exchange process. C. H. Lemke. 2,533,593, Dec. 12.
Cation exchange resins. J. T. Thurston. 2,525,247, Oct. 10.
Cation-exchange resins in spheroidal form. W. L. Evers. 2,518,420, Aug. 8.
Catsup dispenser. G. W. Stott. 2,513,973, July 4.
Cattle guard gate. H. H. Balzer. 2,518,855, Aug. 15.
Cattle treating apparatus. J. P. Turner. 2,499,174, Feb. 28.
Caustic stannate-urea treatment of cotton fabrics. C. L. Mantell and O. K. Heim. 2,527,140, Oct. 24.
Cavity liner. N. D. Foley. 2,513,158, June 27.
Cavity resonator apparatus, High-frequency. E. Feenberg. 2,514,383, July 11.
Cavity resonator apparatus, High-frequency. R. R. Law. 2,501,181, Mar. 21.
Cavity resonator, Clamped. K. F. Niessen. 2,528,387, Oct. 31.
Cavity resonator, Gas-filled. J. O. H. Fredholm and P. H. E. Claesson. 2,511,106, June 13.
Cavity resonator, Multiresonant. S. A. Schelkunoff. 2,518,383, Aug. 8.
Cavity resonator of rectangular prismatic shapes. K. F. Niessen. 2,512,368, June 20.
Cavity resonator system. A. R. Koch. 2,510,639, June 6.
Ceiling board jack. I. Sellers. 2,499,005, Feb. 28.
Ceiling carried fabric louver structure. E. Rambusch. 2,527,031, Oct. 24.
Ceiling paper hanger. C. L. Brockmann. 2,521,501, Sept. 5.
Ceiling paper hanger. H. H. I. Ward. 2,523,851, Sept. 26.
Cell, Air-depolarized. L. S. Dunham. 2,514,480, July 11.
Cell, Alkaline primary. H. E. Rhodes. 2,509,249, May 30.
Cell and battery, Primary. S. Ruben. 2,526,692, Oct. 24.
Cell, Blocking-layer. W. C. van Geel and A. J. Dekker. 2,501,798, Mar. 28.
Cell, Conductivity. K. Albrecht. 2,525,754, Oct. 17.
Cell, Dry. F. A. Keller. 2,524,668, Oct. 3.
Cell, Dry. F. D. Williams, Jr. 2,525,436, Oct. 10.
Cell, Dry. W. B. Woodring. 2,526,789, Oct. 24.
Cell, Electric primary. E. L. V. Quinnell. 2,525,270, Oct. 10.
Cell, Electrolytic. A. W. Ravenscroft. 2,502,888, Apr. 4.
Cell, Electrolytic. J. C. Schumacher. 2,515,614, July 18.
Cell electronic system, Photosensitive. S. S. L. Chang. 2,515,630, July 18.
Cell, Flat primary. S. Ruben. 2,527,576, Oct. 31.
Cell, Flat type alkaline dry. F. D. Williams, Jr. 2,499,239, Feb. 28.
Cell, Fuel. P. K. Frolich. 2,497,123, Feb. 14.
Cell, Gas. W. G. Gow. 2,512,857, June 27.
Cell having a plastic case, Dry. P. M. Terlizzi. 2,505,014, Apr. 25.
Cell, Optical absorption. H. H. Cary and K. P. George. 2,496,333. Feb. 7.
Cell, Photoelectric. H. W. Woolley. 2,506,625, May 9.
Cell, Piezoelectric. M. L. Brownshield. 2,504,493, Apr. 18.
Cell, Primary. E. L. and L. B. Anderson. 2,530,751, Nov. 21.
Cell, Primary. A. F. Daniel. 2,526,640, Oct. 24.
Cell, Primary dry. J. West, Jr., and E. S. Pridham. 2,526,101, Oct. 17.
Cell, Primary electric. R. P. Richardson and R. W. Lewis. 2,528,178, Oct. 31.
Cell, Primary galvanic. N. C. Cahoon. 2,534,336, Dec. 19.

Cell, Reversible displacement. W. J. Leas and W. D. Rose. 2,534,718, Dec. 19.
Cell with permanganate depolarizer, Alkaline primary. S. Ruben. 2,499,419, Mar. 7.
Cellar-draining pump. A. Pollak. 2,525,370, Oct. 10.
Cellaret having combined musical device and rotatable rack. J. L. Bazelon. 2,529,368, Nov. 7.
Celling and slicing machine, Apple. J. W. Pease. 2,496,637, Feb. 7.
Celling and slicing machine, Apple. J. W. Pease. 2,509,781, May 30.
Cells of the liquid electrode type, Electrolytic. B. W. Hirsh and C. Carter. 2,503,337, Apr. 11.
Cells of the selenium type, Manufacturing blocking-layer. J. J. A. P. van Amstel. 2,502,540, Apr. 4.
Cellular structure, Pneumatic. C. V. McQuire. 2,503,164, Apr. 4.
Cellular structures, Method and apparatus for forming. J. F. Godwin. 2,493,243, Jan. 3.
Cellulose acetate solution. C. R. Fordyce and B. E. Gramkee. 2,492,977–8, Jan. 3.
Cellulose articles from viscose, Manufacture of. J. A. Calhoun. 2,514,471, July 11.
Cellulose compound plasticized with an alpha-alkenyl succinimide. M. A. Kise. 2,502,962, Apr. 4.
Cellulose cyanoethyl ethers and their preparation, Partially de-etherified. K. T. Barkey and J. W. Mench 2,525,514, Oct. 10.
Cellulose derivative plasticized with an oily diester of a polyhydric alcohol. A. J. Geiges. 2,495,714, Jan. 31.
Cellulose derivative textile fibers dyed with derivatives of 1-amino-2-nitro-benzene-4-sulfamide. G. Kopp and R. E. M. Gangneux. 2,506,224, May 2.
Cellulose derivatives. J. P. Hollihan, Jr. and S. A. Moss, Jr. 2,499,501, Mar. 7.
Cellulose derivatives and preparing same. N. Drisch, and R. Fays. 2,495,232, Jan. 24.
Cellulose derivatives, New. P. W. Morgan. 2,512,960, June 27.
Cellulose derivatives, Preparation of. R. F. Thompson. 2,498,773, Feb. 28.
Cellulose derivatives, Water-sensitive. J. P. Hollihan, Jr., and S. A. Moss, Jr. 2,511,060, June 13.
Cellulose esters. M. E. Martin and T. M. Andrews. 2,522,580, Sept. 19.
Cellulose esters and making same, Mixed. R. G. Tritsmans and S. P. Hendricx. 2,512,983, June 27.
Cellulose esters, Manufacture of. C. Doras. 2,516,859, Aug. 1.
Cellulose esters, Manufacture of. C. Doras. 2,517,096–7, Aug. 1.
Cellulose esters of sulfamic acids. J. W. Mench. 2,518,706, Aug. 15.
Cellulose esters, Preparation of secondary. W. J. Burke. 2,508,013, May 16.
Cellulose esters, Producing mixed. G. A. Richter, Jr. 2,534,371, Dec. 19.
Cellulose esters, Production of. G. W. Seymour, B. B. White, and M. Plunguian. 2,498,010, Feb. 21.
Cellulose ether and making it, Stabilized thermoplastic. W. Koch and A. L. Rummelsburg. 2,535,359, Dec. 26.
Cellulose ether composition, Stabilized thermoplastic. W. E. Gloor and G. H. Pyle. 2,535,357, Dec. 26.
Cellulose ether composition, Stabilized thermoplastic. W. Koch. 2,535,363, Dec. 26.
Cellulose ether composition, Stabilized thermoplastic. W. Koch and G. H. Pyle. 2,535,360–2, Dec. 26.
Cellulose ether, Insolubilized. A. L. Houk and L. H. Bock. 2,498,208, Feb. 21
Cellulose ethers and esters plasticized with a di-(chlorobutoxy-butyl) phthalate. G. J. Shugar. 2,525,961, Oct. 17.
Cellulose ethers, Manufacture of hot and cold water soluble. A. A. Houghton. 2,513,725, July 4.
Cellulose ethers, Preparation of. E. D. Klug and H. M. Spurlin. 2,512,338, June 20.
Cellulose ethers, Preparation of. E. D. Klug. 2,523,377, Sept. 26.
Cellulose fibers, Mechanically curling. H. S. Hill and J. Edwards. 2,516,384, July 25.
Cellulose filaments and producing same. W. D. Nicoll. 2,515,834, July 18.
Cellulose film and methods of making same, Heat sealable regenerated. W. A. Hoffman. 2,525,676, Oct. 10.
Cellulose materials, Manufacture of regenerated. M. D. Rodgers. 2,521,748, Sept. 12.
Cellulose, Moistureproofing regenerated. L. M. Ellis. 2,523,868, Sept. 26.
Cellulose, Production of. S. C. Bate. 2,511,096, June 13.
Cellulose products, Neutralized oxidized. L. Doub and W. H. Seegers. 2,517,772, Aug. 8.
Cellulose products, Production of regenerated. J. L. Costa. 2,521,450, Sept. 5.
Cellulose propionate material and a lacquer therefor, Coated. A. P. Baruch and R. E. Porzer. 2,510,166, June 6.
Cellulose propionate, Plasticized. L. S. Birnbaum, J. H. Prichard, and W. D. Paist. 2,498,750, Feb. 28.
Cellulose propionate, Plasticized. J. H. Prichard and L. S. Birnbaum. 2,499,526, Mar. 7.
Cellulose propionate, Treatment of. W. D. Paist. 2,523,390, Sept. 26.
Cellulose silk, Transparentizing regenerated. E. Weiss. 2,516,083, July 18.
Cellulose sulfate, Preparation of. J. C. Thomas. 2,511,229, June 13.
Cellulose titanate film production. F. K. Signaigo. 2,525,049, Oct. 10.
Cellulose treated with di-vinyl sulfone to shrinkproof. D. E. Schoene and V. S. Chambers. 2,524,399, Oct. 3.
Cellulose, Treating. N. Drisch, and R. Fays. 2,495,239, Jan. 24.
Cellulose webs, manufacturing regenerated. C. A. J. Lindquist. 2,494,951, Jan. 17.
Cellulose xanthate, Producing. M. P. Kulp, C. D. Vandenburgh, and D. C. Chance. 2,510,984, June 13.
Cellulose yarn, Producing highly extensible regenerated. R. Woodell. 2,509,549, May 30.
Cellulosic articles, Manufacture of. L. G. Ray, Jr. 2,512,968, June 27.
Cellulosic dressing. P. J. Guerillot. 2,495,893, Jan. 31.
Cellulos c materials, Bleaching. K. N. Cederquist. 2,502,410, Apr. 4.
Cellulosic materials, Production of improved. R. E. Reeves. 2,520,963, Sept. 5.
Cellulosic materials with diazonium salts and naphthyl ethers, Coloring. L. H. Bock and P. L. de Benneville. 2,498,875, Feb. 28.
Cement-applying apparatus, Pneumatic. R. M. Doull and M. Radonich. 2,516,684, July 25.
Cement clinker apparatus. H. Kronstad. 2,499,999, Mar. 7.
Cement composition and making, Hydraulic. J. Perl. 2,504,579, Apr. 18.
Cement composition and making, Portland. H. Linford. 2,512,067, June 20.
Cement composition and making same, Hydraulic. A. Ammann. 2,499,445, Mar. 7.
Cement composition, Vulcanizable. J. H. Reilly. 2,523,235, Sept. 19.
Cement compositions. H. Goldstein. 2,514,637, July 11.
Cement compositions, Hydraulic. L. L. Falco. 2,517,993, Aug. 8.
Cement for lightweight concrete and making. N. C. Ludwig. 2,521,073, Sept. 5.
Cement, Heat-resisting. H. W. Schultz. 2,507,682, May 16.
Cement, Making lamp basing. C. J. Buckley and P. J. Hagelston. 2,508,327, May 16.
Cement mixer. R. F. Tull. 2,508,697, May 23.
Cement mixture, Portland. N. O. Mulay. 2,512,112, June 20.
Cement, Neoprene. W. E. Tann. 2,514,192, July 4.
Cement, Thermal insulating. F. H. Hollenberg, Jr. 2,509,599, May 30.
Cemented transparency. G. J. Koch. 2,533,474, Dec. 12.
Cementing device, Well. F. H. Lee. 2,531,942, Nov. 28.
Cementing machine, Sole-margin. L. H. Mulhern and N. Spugnardi. 2,533,497, Dec. 12.
Cementing plug. J. E. Hall. 2,509,922, May 30.
Cementitious composition. J. P. Ryan. 2,493,930, Jan. 10.
Cements, Insulating finishing. M. C. Randall and G. S. Gethen. 2,516,342, July 25.
Cements, Preparation of. R. J. Reid. 2,514,222, July 4.
Censer. L. R. Le Tang. 2,530,529, Nov. 21.
Center. J. R. Fish. 2,531,809, Nov. 28.
Center filler. A. Walcher. 2,528,479, Oct. 31.
Center for lathes, etc., Live. H. J. Coles. 2,499,131, Feb. 28.
Center for phonograph records, Reinforcing. A. Caramanoff. 2,501,465, Mar. 21.
Center pin for body and truck bolsters. S. B. Haseltine. 2,519,464, Aug. 22.
Center pin for body and truck bolsters. W. E. Robertson. 2,519,504, Aug. 22.
Center pin for body and truck bolsters of railway cars, Locking. S. B. Haseltine. 2,526,745, Oct. 24.
Center pin for lathes, Spring pressed. K. K. Shepard. 2,520,473, Aug. 29.
Center plate construction. G. M. Barnes. 2,509,955, May 30.
Center punch. T. E. Darnell. 2,494,287, Jan. 10.
Center punch. A. Howard and W. L. Morrison. 2,519,908, Aug. 22.
Center punch. P. Mihalik. 2,528,383, Oct. 31.
Centering and clamping a flask in position in centrifugal casting machines. J. D. Guelph. 2,515,216, July 18.
Centering arrangement for cathode-ray tubes. A. V. Loughren. 2,525,919, Oct. 17.
Centering arrangement for permanent magnet electrodynamic loudspeakers, Pole piece. B. A. Engholm. 2,524,780, Oct. 10.
Centering device. H. H. Smith. 2,517,728, Aug. 8.
Centering device for gripper bars in sheet handling machines. H. Bobst. 2,512,084, June 20.
Centering device for lifting jacks. T. Care and F. Sievern. 2,502,924, Apr. 4.
Centering device for necktie linings. A. J. Flumedoro. 2,523,754, Sept. 26.
Centering lift jack. W. Parker. 2,516,483, July 25.

Centering machine, Lathe loading and log. W. B. Foreman. 2,523,563, Sept. 26.
Centering means for citrus juice extractors, Fruit. H. L. Wurgaft. 2,517,519, Aug. 1.
Centerless method of thread grinding. C. W. Hopkins. 2,501,389, Mar. 21.
Centralizer, Drill steel. P. H. Nast. 2,523,512, Sept. 26.
Centric relator. S. H. Hirschhorn. 2,534,023, Dec. 12.
Centrifugal apparatus and method for effecting chemical reactions. S. J. Cohen. 2,507,490, May 16.
Centrifugal bowl separator. W. van der Werff. 2,495,950, Jan. 31.
Centrifugal casting means. E. R. Capita and T. A. Feehan. 2,509,670, May 30.
Centrifugal clutch. H. T. Jensen and F. E. Hiller. 2,529,610, Nov. 14.
Centrifugal clutch. C. O. Bruestle. 2,504,177, Apr. 18.
Centrifugal clutch. C. M. Eason. 2,534,426, Dec. 19.
Centrifugal clutch. M. Gravina. 2,497,544, Feb. 14.
Centrifugal clutch. M. L. Hatfield. 2,513,798, July 4.
Centrifugal clutch. H. G. Kirkpatrick. 2,534,133, Dec. 12.
Centrifugal cutout switch. M. Kleiman. 2,519,140, Aug. 15.
Centrifugal cyclone separator. G. D. Arnold. 2,530,112, Nov. 14.
Centrifugal ejector pump. W. J. Conery. 2,524,770, Oct. 10.
Centrifugal extractor. H. C. Ellis. 2,521,054, Sept. 5.
Centrifugal extractor cover. A. G. Maitzen. 2,534,286, Dec. 19.
Centrifugal machine, Fluid driven. F. Stindt. 2,517,452, Aug. 1.
Centrifugal mechanism. G. D. Willits, and Leo and Lawrance W. Wightman. 2,512,405, June 20.
Centrifugal mercury clutch. H. J. Zimmermann. 2,517,955, Aug. 8.
Centrifugal pump. F. Collura. 2,494,988, Jan. 17.
Centrifugal pump. A. J. Harlamoff. 2,520,880, Aug. 29.
Centrifugal separation. A. H. Schutte and W. F. O'Connor. 2,534,210, Dec. 12.
Centrifugal separation of sludge-containing liquids. N. E. Svensjö. 2,532,792, Dec. 5.
Centrifugal separator. A. H. Derocher. 2,515,398, July 18.
Centrifugal separator. T. V. Hanno. 2,502,945, Apr. 4.
Centrifugal separator. C. W. Howard. 2,510,781, June 6.
Centrifugal separator. L. S. Kassel. 2,535,140, Dec. 26.
Centrifugal separator. M. F. Lichtenfels. 2,521,380, Sept. 5.
Centrifugal separator. G. J. Lipscomb. 2,512,253, June 20.
Centrifugal separator. D. B. Rossheim and H. T. Holzwarth. 2,524,398, Oct. 3.
Centrifugal snap acting mechanism. W. A. Johnson. 2,503,950, Apr. 11.
Centrifugal switch. E. W. Rickmeyer. 2,509,527, May 30.
Centrifugal switch. C. E. Sprague. 2,528,845, Nov. 7.
Centrifugal switch. C. J. Werner. 2,518,584, Aug. 15.
Centrifugal switch. C. C. Wilson and H. R. Parton. 2,494,422, Jan. 10.
Centrifugal turbine pump. T. C. Goodner. 2,506,827, May 9.
Centrifugally operated machine. H. A. A. Exner. 2,529,765, Nov. 14.
Centrifugally operated mechanism. L. Oliver. 2,500,562, Mar. 14.
Centrifugally operated switch. W. Z. West, Jr. and M. F. Gamble. 2,499,122, Feb. 28.
Centrifuge. A. F. Howe. 2,511,585, June 13.
Centrifuge. T. R. Komline. 2,501,179, Mar. 21.
Centrifuge. G. A. Larsson. 2,507,309, May 9.
Centrifuge construction. A. E. Zimmerman and W. A. Botke. 2,525,629, Oct. 10.
Centrifuging apparatus. C. C. S. Le Clair. 2,519,971, Aug. 22.
Ceramic articles, Manufacture of. M. E. Gates. 2,493,623, Jan. 3.
Ceramic articles, Method and composition for making. J. F. Potter and M. D. Rigterink. 2,519,280, Aug. 15.
Ceramic articles, The production of. R. L. Stone. 2,524,739, Oct. 3.
Ceramic batch. C. R. Austin and E. J. Rogers. 2,494,276, Jan. 10.
Ceramic bodies having longitudinal passages, Producing. V. Stopka. 2,506,244, May 2.
Ceramic body and batch for making same. C. R. Austin and E. J. Rogers. 2,494,277, Jan. 10.
Ceramic insulating material and manufacturing same. E. J. W. Verwey and J. M. Stevels. 2,534,390, Dec. 19.
Ceramic method and composition. W. E. Gardner. 2,526,073, Oct. 17.
Cereal food and making same, Puffed waxy. M. W. Alderman. 2,526,792, Oct. 24.
Cereal grain, Preparing exploded. J. W. Hubbard. 2,505,325, Apr. 25.
Cerium acetate containing composition. C. E. Griffin. 2,497,546, Feb. 14.
Certain iodinated hydroxyphenyl cycloalkyl carboxylic acids. S. Natelson, B. Kramer, and R. Tekel. 2,496,064, Jan. 31.
Chaff separator. M. T. Moler. 2,509,778, May 30.
Chain: *See*—
Antiskid chain.
Automobile skid chain.
Basket weave chain.
Bracelet chain.
Carrier chain.
Conveyer chain.
Drive chain.
Easily detachable nonskid chain.
Expansible basket-weave chain.
Extension key chain.
Nonskid tire chain.
Power saw chain.
Rigid tire chain.
Timing chain.
Tire chain.
Tractor tire chain.
Chain anchorage for agitators with suspended baffle, Safety. J. A. Hunter. 2,519,657, Aug. 22.
Chain and applying the same, Automobile tire. R. G. Arey. 2,524,950, Oct. 10.
Chain and device for attaching same, Antiskid tire. W. O'Connor. 2,500,373, Mar. 14.
Chain belt and elevator conveyer, Combined. D. Journeaux. 2,506,425, May 2.
Chain breaker-plate feed structure for rotary crushers. C. M. Bindner. 2,516,175, July 25.
Chain construction. S. A. Holmes. 2,530,014, Nov. 14.
Chain construction. C. S. Jones. 2,512,429, June 20.
Chain drive. A. G. Rose. 2,530,786, Nov. 21.
Chain drive for universal selectors. G. Deakin. 2,512,612, June 27.
Chain drive mechanism for side delivery rakes. J. L. Boman. 2,505,704, Apr. 25.
Chain-driven ratchet wrench. J. D. Strobell. 2,530,553, Nov. 21.
Chain for automotive vehicles, Tire. J. K. Morgan. 2,501,784, Mar. 28.
Chain gatherer for corn harvesters, Endless. R. Barkstrom. 2,527,786, Oct. 31.
Chain guard. D. M. King. 2,529,084, Nov. 7.
Chain link and making the same, Sheet metal sprocket. A. T. Krueger. 2,505,739, Apr. 25.
Chain linkage system for mechanical ciphering units, Mechanical. L. M. Potts. 2,522,461, Sept. 12.
Chain lubrication, Conveyer. J. F. Livingston. 2,502,659, Apr. 4.
Chain making machine. C. Deiss. 2,498,031, Feb. 21.
Chain saw frame. C. V. Wolfe. 2,532,981, Dec. 5.
Chain shifting device for cycles. V. E. Needham. 2,507,416, May 9.
Chain tightening and securing device. D. C. Hubbard. 2,499,753, Mar. 7.
Chain tightening device. G. M. Burnett. 2,533,918, Dec. 12.
Chain with integral pins, Jewelry. J. Bikoff. 2,505,169, Apr. 25.
Chains, Auto. J. J. Mattson. 2,519,268, Aug. 15.
Chair: *See*—
Adjustable back reclining chair.
Adjustable chair.
Adjustable high chair.
Adjustable photographer's posing chair.
Aircraft passenger chair.
Child's spring chair.
Coin-controlled easy chair.
Collapsible beach fisherman's chair.
Collapsible convertible rocking chair.
Collapsible wheel chair.
Combination high chair.
Convertible chair.
Convertible high chair.
Cutter chair.
Dual purpose chair.
Foldable high chair.
Foldable reclining chair.
Foldable self-adjusting reclining chair.
Folding chair.
Folding infant's chair.
Folding lounge chair.
High chair.
Horizontally swinging barber's chair.
Infant's chair.
Infant's folding chair.
Infant's toilet training chair.
Invalid's high chair.
Knockdown chair.
Lounge chair.
Opera chair.
Point locking folding chair.
Reclining chair.
Resiliently mounted reclining chair.
Resiliently supported reclining chair.
Retractable theater chair.
Retracting type theater chair.
Rockerless rocking chair.
Rocking chair.
Rolling invalid toilet chair.
Suspensible child's chair.
Swinging lawn chair.
Swivel chair.
Table attached infant's chair.
Theater chair.
Vanity back view chair.
Vibratory therapeutic chair.
Chair. C. L. Dewey. 2,494,647, Jan. 17.
Chair. J. N. Kahn. 2,518,425, Aug. 8.
Chair. K. Kipp. 2,502,857, Apr. 4.
Chair. L. T. Ivey. 2,503,049 Apr. 4.
Chair. J. R. Slaughter. 2,494,838, Jan. 17.
Chair and base therefor releasably secured thereto. L. Gottfried. 2,509,972, May 30.
Chair and bed structure, Folding. J. Neiborn. 2,512,806, June 27.
Chair and footstool, Reclining. F. C. Maurer. 2,526,623, Oct. 24.
Chair and ladder, Combined. W. D. Earley. 2,505,607, Apr. 25.
Chair and leg rest. L. E. Eeman. 2,534,581, Dec. 19.
Chair and leg rest combination. S. B. Hendrickson and R. N. Owler. 2,514,447, July 11.
Chair and lounge, Combination lawn. S. L. Hand. 2,520,094, Aug. 22.
Chair and rest, Combined folding. C. F. Benjamin. 2,505,702, Apr. 25.

Chair and stroller, Combined high. M. G. and E. M. Riley. 2,528,452, Oct. 31.
Chair and table, Combination. D. L. Caston. 2,503,543, Apr. 11.
Chair and table, Combined. M. Loewy. 2,502,383, Mar. 28.
Chair and tray. E. L. Johnson. 2,521,223, Sept. 5.
Chair and tray combination. J. E. Huber. 2,532,812, Dec. 5.
Chair arm. J. D. Bell. 2,500,398, Mar. 14.
Chair arm table. N. Reid. 2,501,580, Mar. 21.
Chair attachment device. R. J. Conradt. 2,501,993, Mar. 28.
Chair back. P. M. Virtue. 2,514,685, July 11.
Chair back structure. W. W. Ford. 2,495,654, Jan. 24.
Chair base, Detachable. J. S. Cohen. 2,531,322, Nov. 21.
Chair construction. K. Lutes. 2,530,474, Nov. 21.
Chair construction. W. H. Reinholz. 2,509,451, May 30.
Chair construction, High. P. J. Keough. 2,532,556, Dec. 5.
Chair construction, Metal. J. B. O'Connor. 2,509,107, May 23.
Chair convertible to bed. J. E. Van Camp. 2,503,527, Apr. 11.
Chair cover. G. H. Holsinger. 2,531,047, Nov. 21.
Chair cover construction. C. L. Dewey. 2,534,502, Dec. 19.
Chair device, Children's high. M. Glenn. 2,495,843, Jan. 31.
Chair for barbers or dentists, Operator's. J. A. Pullen. 2,498,004, Feb. 21.
Chair for children, Training. J. B. Barnes. 2,513,444, July 4.
Chair for invalids, Walking. O. R. Schwantes. 2,530,544, Nov. 21.
Chair having a folding footrest, Folding. T. J. Miles. 2,507,609, May 16.
Chair having a mirror mounted for movement with the chair seat. L. G. Simjian. 2,510,351, June 6.
Chair having a tilting seat and back unit. P. A. James. 2,532,453, Dec. 5.
Chair having flexibly supported seat and back cushions. C. B. Hoffman, III. 2,527,635, Oct. 31.
Chair having front seat apron. M. Greitzer. 2,525,126 Oct. 10.
Chair having spring supported back rest and seat. L. V. Cline. 2,534,574, Dec. 19.
Chair having spring supported seat. H. E. Renaud. 2,516,801, July 25.
Chair iron. T. Elleman. 2,498,106, Feb. 21.
Chair iron. M. Fox. 2,528,223, Oct. 31.
Chair, ironing board, and stepladder, Convertible. C. R. Scarborough. 2,533,515, Dec. 12.
Chair structure. A. C. Hoven and W. S. Lindberg. 2,517,433, Aug. 1.
Chair unit, Dental. C. W. Johnson and J. T. Clark. 2,498,550, Feb. 21.
Chair with leg rest, Recliner. A. B. Bell. 2,528,995, Nov. 7.
Chair with stationary arms, Reclining. F. C. Maurer. 2,516,712, July 25.
Chairs having tip-up seats, Theater. W. E. Nordmark. 2,500,135, Mar. 7.
Chalkboard, Plastic. C. B. Egolf. 2,522,351, Sept. 12.
Chalk holder. W. B. Onley, Jr. 2,507,928, May 16.
Chamber, Baby travel. S. and H. Pourch. 2,498,576, Feb. 21.
Chamber with adjustable float controlled cutoff, Meauring trap. J. W. L. Sekkel. 2,506,240, May 2.
Chamois, Manufacturing artificial. P. T. Tammen. 2,506,249, May 2.
Chance device. C. V. P. Jensen. 2,507,570, May 16.
Chance device, Rotatable. A. R. Zerpa. 2,535,474, Dec. 26.
Change holder. W. T. McMurtry. 2,497,365, Feb. 14.
Change maker. D. S. and L. B. Brahe. 2,498,150, Feb. 21.
Change maker. C. G. Emerson and L. R. Cook. 2,530,865, Nov. 21.
Change making device. O. A. Hokanson and R. C. Jones. 2,526,749, Oct. 24.
Change of shade of diazotype images by treatment with moist sulfur dioxide vapors. S. C. Slifkin. 2,500,096, Mar. 7.
Changeover mechanism, Automatic. F. F. Humbarger, R. C. Pierson, and W. G. Schepman. 2,518,894, Aug. 15.
Change speed device, Automatic. R. Descendre. 2,524,342, Oct. 3.
Change-speed gear. J. Selby. 2,533,056, Dec. 5.
Change-speed mechanism. A. Andrews. 2,535,381, Dec. 26.
Change-speed mechanism with permanently meshing gear wheels. L. Debuit. 2,517,769, Aug. 8.
Changeable selective circuit. W. G. Thomas. 2,519,415, Aug. 22.
Changeable sign. S. J. Gianelloni, Jr. 2,501,044, Mar. 21.
Changeable sign. F. E. Newman. 2,520,648, Aug. 29.
Changing the composition of a combustible gas by diffusion. G. V. McGurl. 2,497,898, Feb. 21.
Changing the physical state of a substance. A. R. Trist. 2,512,471, June 20.
Changing the transmission carrier frequencies in multichannel signaling and communication systems. T. S. Skillman. 2,528,090, Oct. 31.
Changing the width of knitted fabric during the knitting operation. J. H. Straussberger. 2,507,533–4, May 16.
Channel for vehicles having convertible tops, Drip. J. W. Karsted. 2,524,171, Oct. 3.
Channel selector, Compensated. W. D. Houghton. 2,531,817, Nov. 28.
Channel tank top construction for ships. W. G. Bartenfeld. 2,520,024, Aug. 22.
Channel unit for multiplex systems. W. D. Houghton. 2,495,168, Jan. 17.
Channeling and lip setting machine. F. E. Bertrand. 2,510,208, June 6.
Chaplet coating. H. B. Underwood. 2,507,068, May 9.
Charcoal and its manufacture, Impregnated protective. S. Hormats. 2,528,517, Nov. 7.
Charge and discharge device, Controllable. S. Shafer, Jr. 2,507,275, May 9.
Charge forming device. F. C. Mock. 2,500,088, Mar. 7.
Charge forming device. H. G. Tarter. 2,495,299, Jan. 24.
Charge forming device. A. H. Winkler. 2,523,798, Sept. 26.
Charge forming device. E. O. Wirth. 2,499,554, Mar. 7.
Charge forming device. E. O. Wirth and F. Barfod. 2,533,863, Dec. 12.
Charge in hydrogen fluoride alkylation, Preheated. J. R. Meadow and A. A. O'Kelly. 2,502,333, Mar. 28.
Charge transferring means for high-voltage electrostatic apparatus. J. G. Trump and R. W. Cloud. 2,503,224, Apr. 4.
Charged particle deflecting unit employing a permanent magnet. B. N. Fisher. 2,500,455, Mar. 14.
Charger for automatic guns. E. W. Stacey and A. D. Willhauck. 2,529,822, Nov. 14.
Charging and ticketing in automatic telephony, Automatic. J. E. Ostline. 2,500,374, Mar. 14.
Charging apparatus. M. G. Shoemaker. 2,499,170, Feb. 28.
Charging apparatus for football players. J. Paupa. 2,521,649, Sept. 5.
Charging apparatus, Open-hearth furnace. T. G. Lewis. 2,506,797, May 9.
Charging secondary electric batteries. E. A. Richards. 2,510,141, June 6.
Charging system, Condenser. J. W. Dawson. 2,515,635, July 18.
Charging system, Storage battery. F. R. Arnold. 2,529,123, Nov. 7.
Charging vessels with solid carbon dioxide, Method and apparatus for. W. W. Voss, C. A. Getz, and J. C. Hesson. 2,496,185, Jan. 31.
Chart, Adjustable calculating. H. G. Griesbaum. 2,494,172, Jan. 10.
Chart, Astrological. M. B. Chern. 2,518,664, Aug. 15.
Chart, Automobile lubrication check. M. E. Whitley, Jr. 2,526,057, Oct. 17.
Chart, Color harmonizing. C. W. Spears. 2,512,181, June 20.
Chart device, Graphic. R. W. Tallman. 2,511,953, June 20.
Chart, Scale. E. C. Karp. 2,499,923, Mar. 7.
Chaser holder. C. A. Reimschissel. 2,499,971, Mar. 7.
Chassis and assembly, Hearing aid. R. E. Tresise and P. D. Kendall. 2,496,683, Feb. 7.
Chassis and multichannel tuner, Combined. A. A. Valdettaro. 2,497,747, Feb. 14.
Chassis for hearing aid apparatus, Molded. R. E. Tresise and P. D. Kendall. 2,500,301, Mar. 14.
Chassis for portable machines. O. L. Shook. 2,510,424, June 6.
Chassis, Hearing aid. S. Posen, and H. E. Hanson. 2,495,546, Jan. 24.
Chassis of the plug-in type, Radio. R. N. Knox. 2,514,246, July 4.
Chassis, Trailer. A. J. Thiel. 2,523,790, Sept. 26.
Chassis, Vehicle. B. F. Gregory. 2,499,495, Mar. 7.
Check and silencer, Screen door. J. H. Boye. 2,517,966, Aug. 8.
Check for looms, Picker stick. J. J. Hemingway. 2,496,722, Feb. 7.
Check for looms, Shuttle. A. R. Abbott, M. F. Kieley, and F. T. Simon. 2,497,711, Feb. 14.
Check list, Mechanical. W. H. Grace. 2,535,408, Dec. 26.
Check mechanism, Control lever. A. E. Wood and A. S. Lowe. 2,502,299, Mar. 28.
Check, Picker stick. C. Galland. 2,499,023, Feb. 28.
Check protector. R. I. Heller. 2,529,021–2, Nov. 7.
Check strap for loom picker sticks. P. G. Rhoads. 2,520,060, Aug. 22.
Check strap for looms. I. Dickinson. 2,509,676, May 30.
Check valve. B. N. Ashton. 2,524,951, Oct. 10.
Check valve. R. R. L. Geffroy. 2,494,653, Jan. 17.
Check valve. W. J. Kiene. 2,497,086, Feb. 14.
Check valve. C. D. Panton. 2,495,542, Jan. 24.
Check valve. A. Seligmann. 2,501,744, Mar. 28.
Check valve. A. W. Thompson and E. A. Weinberg. 2,496,898, Feb. 7.
Check writer. J. Leroux. 2,506,929, May 9.
Check writer. C. L. Rostock. 2,517,354, Aug. 1.
Checker assembly. O. R. Rice. 2,509,168, May 23.
Checker assembly for stove construction. E. H. Koenig. 2,493,458, Jan. 3.

Checker assembly, Stove. B. E. Tau. 2,493,470, Jan. 3.
Checker-brick. T. H. Kennedy. 2,527,429, Oct. 24.
Checker for furnaces. F. H. Mackensen. 2,532,112, Nov. 28.
Checker structure. J. J. Seaver. 2,512,555, June 20.
Checker work, Solid flue. H. W. Walters. 2,519,301, Aug. 15.
Checking and counting means for parking areas, Auto. L. G. Scherer. 2,528,790, Nov. 7.
Checking device, Compass. O. Rasmussen. 2,507,933, May 16.
Checking device, Crystal. C. L. Brown. 2,534,224, Dec. 19.
Checking device, Item. A. D. Olson and I. A. Morris. 2,498,703, Feb. 28.
Checking device, Merchandise. P. B. Jeffers. 2,531,051, Nov. 21.
Checking frequency characteristics, Method of and apparatus for. R. B. Marye. 2,508,412, May 23.
Checking machine, Work. C. S. Kasper. 2,493,147, Jan. 3.
Cheese and cracker package. L. Drangle. 2,527,919, Oct. 31.
Cheese cutter. P. N. Nelson. 2,533,682, Dec. 12.
Cheese, Emmenthaler. J. B. Stine. 2,494,636, Jan. 17.
Cheese, Making. C. Toone. 2,520,183, Aug. 29.
Cheese-making method. R. Miollis. 2,505,984, May 2.
Cheese manufacture. J. B. Stine. 2,494,637, Jan. 17.
Cheese, Manufacture of. G. W. McDonald and E. C. Scott. 2,507,480, May 9.
Cheese, Manufacture of American type. J. B. Stine. 2,494,638, Jan. 17.
Cheese modifying enzyme product. M. G. Farnham. 2,531,329, Nov. 21.
Cheese mold. F. Ryser. 2,518,188, Aug. 8.
Cheese press. P. Mueller. 2,535,592, Dec. 26.
Cheese press. N. J. Peters. 2,514,007, July 4.
Chemical apparatus. M. H. Kotzebue. 2,530,527, Nov. 21.
Chemical apparatus. W. O. Luertzing. 2,498,216, Feb. 21.
Chemical composition. R. N. MacDonald. 2,518,345, Aug. 8.
Chemical condensation process. A. P. Lien. 2,525,810, Oct. 17.
Chemical condenser and recovery unit. F. W. Hochmuth. 2,516,992, Aug. 1.
Chemical conversion process. J. P. Jones. 2,514,497, July 11.
Chemical erasing of photographic silver images. J. F. Kienast. 2,494,765. Jan. 17.
Chemical feeder. E. W. Landon. 2,529,028, Nov. 7.
Chemical indicator. H. Fleisher. Re. 23,276, Oct. 3.
Chemical injection device. L. M. Hartwick. 2,493,870, Jan. 10.
Chemical manufacture. M. De Groote and B. Keiser. 2,499,365–8, Mar. 7.
Chemical method for concentrating isotopes of carbon. M. Calvin and P. E. Yankwich. 2,511,667, June 13.
Chemical oxidation of aluminum and alloys thereof. C. Sonnino. 2,520,475, Aug. 29.
Chemical process. R. Johnson. 2,507,527, May 16.
Chemical process for the production of carbon monoxide. C. H. Holder. 2,514,282, July 4.
Chemical product. J. K. Y. Hum. 2,498,684, Feb. 28.
Chemical sensitization of photographic emulsions. W. G. Lowe and C. F. H. Allen. 2,521,925, Sept. 12.
Chemical sensitization of photographic emulsions. W. G. Lowe and J. E. Jones. 2,518,698, Aug. 15.
Chemical sensitization of photographic emulsions. W. G. Lowe and J. E. Jones. 2,521,926, Sept. 12.
Chemical surface treatment of ferrous bearing metals. J. C. Zimmer and A. J. Morway. 2,493,516, Jan. 3.
Chemical treatment feed indicator. A. Kromhout. 2,515,235, July 18.
Chemical treatment, Method and apparatus for. E. R. Burling and J. P. Rich. 2,516,447, July 25.
Chenille machine, Multineedle. W. A. Behrens. 2,513,261, June 27.
Chest having detachable table top, Portable picnic. H. A. Jaffe and H. L. Feiner. 2,505,898, May 2.
Chest, Sectional travel. R. Simon. 2,511,949, June 20.
Chest, Wall tool. C. E. Hodgkins. 2,503,737, Apr. 11.
Chewing gum base. B. N. Lougopoy. 2,519,775, Aug. 22.
Chicken feeder. W. Cosby. 2,515,698, July 18.
Chicken feeder. N. A. Lasater. 2,534,608, Dec. 19.
Chicken feeder. E. Strong. 2,514,910, July 11.
Chicken feeder. J. J. Swansey. 2,525,246, Oct. 10.
Chicken nest, Sanitary. J. W. Peterson. 2,531,584, Nov. 28.
Children's vehicle. F. R. Kreeger. 2,495,935, Jan. 31.
Child's seat. A. H. Nelson, Jr. 2,530,900, Nov. 21.
Child's spring chair. B. F. Strand, Jr. 2,521,422, Sept. 5.
Child's toilet seat. E. L. Beckwith. 2,518,272, Aug. 8.
Child's toilet seat. J. M. Yumoto. 2,517,755, Aug. 8.
Child's vehicle. P. C. Little and M. W. Sparrow. 2,527,434, Oct. 24.
Child's vehicle. F. L. Martin. 2,513,661. July 4.
Chilling mixtures. J. R. Martin. 2,530,976, Nov. 21.
Chime and carrier for the vibratory and striker elements thereof, Electric. L. G. Bergeron. 2,506,009, May 2.
Chimney cap. W. C. Coleman. 2,522,995, Sept. 19.
Chimney for liquid fuel burners. M. A. Davis. 2,517,985, Aug. 8.

Chimney top. R. B. Parker. 2,510,901, June 6.
Chip breaking device. R. A. Clark. 2,521,900, Sept. 12.
Chip dispenser. B. D. Smith. 2,515,904, July 18.
Chipping machine. R. H. Nile and M. S. Roberts. 2,533,892, Dec. 12.
Chiropodial device. M. W. Clarke. 2,511,101, June 13.
Chiropodist's waste receptacle. E. H. Lacore. 2,519,771, Aug. 22.
Chiropractic portable table. M. E. Gebhart. 2,533,787, Dec. 12.
Chisel, Expanding. E. Brehmer. 2,504,176, Apr. 18.
Chisel, Ice. J. W. Salo. 2,514,800, July 11.
Chloral-dihydric phenol polymers. H. C. Beachell. 2,512,709, June 27.
Chloral, Stabilized. D. Williams, R. M. Thomas, and G. S. Haines. 2,504,952–3, Apr. 25.
Chloranil, Preparing. E. T. McBee and J. S. Newcomer. 2,519,319, Aug. 15.
Chlorethyl dibenzyl quaternary ammonium compound. W. S. Gump and E. J. Nikawitz. 2,504,977, Apr. 25.
Chlorides of uranium, Preparation of higher. H. G. Reiber. 2,499,836, Mar. 7.
Chlorinated anacardic compositions and making such compositions. E. E. Novotny and G. K. Vogelsang. 2,520,332, Aug. 29.
Chlorinated hydrocarbon. M. B. Neuworth. 2,519,691, Aug. 22.
Chlorinated orthonitrobiphenyl miticide composition. H. L. Morrill and C. J. Weinman. 2,524,069, Oct. 3.
Chlorinated phenoxy compounds, Manufacture of. R. T. Foster and N. Bennett. 2,493,126, Jan. 3.
Chlorinated polymers, Preparation of. J. S. Tinsley and P. B. Welldon. 2,511,605, June 13.
Chlorinating dibenzyl and nuclearly-alkyl-substituted dibenzyls. A. Gislon and J. Quiquerez. 2,510,279, June 6.
Chlorinating hydrocarbon mixtures. L. H. Flett. 2,499,578, Mar. 7.
Chlorinating unit. A. L. Eisenman. 2,524,966, Oct. 10.
Chlorination of alkoxy esters. W. J. Croxall and M. F. Fegley. 2,526,007, Oct. 17.
Chlorination of 1-vinylcyclohexene-3. H. L. Johnson and A. P. Stuart. 2,518,017, Aug. 8.
Chlorination of organosilicon compositions. J. L. Speier, Jr. 2,510,148–9, June 6.
Chlorine addition product of thiophene. H. L. Coonradt and H. D. Hartough. 2,525,773, Oct. 17.
Chlorine-containing ethers, Production of new. J. F. Walker and T. J. Mooney. 2,532,044, Nov. 28.
Chlorine dioxide gas, Preparing. J. W. Sevón and F. V. Sundman. 2,533,842, Dec. 12.
Chlorine dioxide, Manufacture of. J. F. Haller. 2,510,034 May 30.
Chloroalkyl acylates. R. H. Saunders. 2,500,009, Mar. 7.
Chloroalkyl alkyl sulfites as new chemicals and insecticides. W. D. Harris, H. D. Tate, and J. W. Zukel. 2,529,493, Nov. 14.
Chloroalkyl aryloxyalkyl sulfites as new chemicals and insecticides. W. D. Harris, H. D. Tate, and J. W. Zukel. 2,529,494, Nov. 14.
Chloroalkyl phosphorous oxy and sulfo dichlorides. W. H. Woodstock. 2,495,799, Jan. 31.
Chloro-aryloxy acetic acids, Preparing. J. M. F. Leaper. 2,509,772, May 30.
Chloro-aryloxy alkanes. C. L. Moyle. 2,503,207, Apr. 4.
Chlorocresols, Manufacture of. R. T. Foster. 2,494,993, Jan. 17.
Chlorodiazines and preparation thereof, Bis-substituted. R. P. Germann. 2,529,840, Nov. 14.
Chloroethylation of alkylated benzene compounds. E. G. Galitzenstein, F. E. Salt, H. M. Stanley, and T. Weir. 2,516,971, Aug. 1.
Chlorofluoronitro aromatic compounds. A. J. Kolka and W. B. Ligett. 2,519,317, Aug. 15.
Chloromethyl silicon compounds. J. R. Elliott and R. H. Krieble. 2,513,924, July 4.
Chloronitro compounds, Production of. C. M. Himel. 2,511,915, June 20.
Chloroprene by pyrolysis, Production of. G. W. Hearne and M. L. Adams. 2,524,383, Oct. 3.
Chloroprene polymers, Preparation of. G. H. Daniels. 2,494,087, Jan. 10.
Chlorosilanes. G. H. Wagner. 2,499,009, Feb. 28.
Chock and mooring bitts, Combination roller. J. M. Coffin. 2,498,394, Feb. 21.
Chock, Wheel. A. P. Slavico. 2,496,499, Feb. 7.
Chocolate liquor, Manufacture of basic. J. Marco. 2,520,807, Aug. 29.
Choke, Automatic. B. Beard. 2,511,318, June 13.
Choke, Automatic. M. J. Kittler and H. B. Medley. 2,518,794, Aug. 15.
Choke control, Automatic. L. B. Read. 2,499,607, Mar. 7.
Choker hook. J. M. Chevalier. 2,505,883, May 2.
Choker hook and line. J. Aconley. 2,533,905, Dec. 12.
Choker trap. J. U. Lehn. 2,534,358, Dec. 19.
Cholera vaccine, Hog. H. R. Cox and H. Koprowski. 2,518,978, Aug. 15.
Chopper and beet topping device, Cotton. T. H. Mayfield. 2,528,897, Nov. 7.
Chopper and dicer, Vegetable. C. J. Christopher. 2,505,096, Apr. 25.
Chopper, Meat. P. M. Sivertsen. 2,505,797, May 2.

Chopper, Rolling cotton. L. R. Dabbs and L. R. Palmer. 2,504,004, Apr. 11.
Chopper, Rolling tractor supported cotton. L. R. Dabbs and L. R. Palmer. 2,517,288, Aug. 1.
Chopper, Tractor mounted cotton. R. Neel. 2,516,794, July 25.
Chopper, Vegetable. G. A. Lacout. 2,507,571, May 16.
Christmas tree holder. J. L. Freel. 2,518,421, Aug. 8.
Christmas tree holder. G. C. Freeman. 2,511,200, June 13.
Christmas tree holder. R. MacLatchie. 2,503,446, Apr. 11.
Christmas tree holder. H. F. Mitchell and O. L. Gilbert. 2,517,332, Aug. 1.
Christmas tree stand. R. M. Balmer. 2,522,156, Sept. 12.
Christmas tree stand. M. Lampe. 2,524,671, Oct. 3.
Christmas tree support. L. S. Groat. 2,534,349, Dec. 19.
Chromatographic separation of carbohydrates. M. L. Wolfrom and W. W. Binkley. 2,504,169, Apr. 18.
Chromatographic separation of carbohydrates. M. L. Wolfrom and B. W. Lew. 2,524,414, Oct. 3.
Chromate production. M. J. Udy. 2,494,215, Jan. 10.
Chromate, Production of. M. J. Udy. 2,493,789, Jan. 10.
Chromiferous monazo dyes and manufacturing same. D. E. Kvalnes and B. G. Carson. 2,508,404, May 23.
Chromium nickel steels. J. M. Defranoux. 2,523,000, Sept. 19.
Chromometer. S. M. Rookyard. 2,522,723, Sept. 19.
Chronograph. W. A. Büchler. 2,512,088, June 20.
Chuck. O. H. Banker. 2,495,050, Jan. 17.
Chuck. M. L. Benjamin and F. E. Winnen. 2,515,183, July 18.
Chuck. C. D. Cassidy. 2,514,472, July 11.
Chuck. D. S. De Munck. 2,504,186, Apr. 18.
Chuck. A. G. Ellis and M. W. Abberley. 2,529,331, Nov. 7.
Chuck. E. J. M. Hubert. 2,528,146, Oct. 31.
Chuck. O. M. Jensen. 2,523,374, Sept. 26.
Chuck. R. G. Le Tourneau. 2,493,300, Jan. 3.
Chuck. D. H. Loosli. 2,509,688, May 30.
Chuck. E. F. Ouimette. 2,524,468, Oct. 3.
Chuck. E. J. Wells. 2,530,318, Nov. 14.
Chuck actuating mechanism, Nailing. G. C. Paxton. 2,530,626, Nov. 21.
Chuck adapter, Floating. B. P. Toth. 2,497,426, Feb. 14.
Chuck, Adjustable boring tool. C. A. Trocki. 2,507,286, May 9.
Chuck adjusting device. G. I. Wahnish. 2,513,606, July 4.
Chuck assembly. L. W. Welch and A. F. Millington. 2,535,246, Dec. 26.
Chuck, Bar gripping. A. Cauchois. 2,501,758, Mar. 28.
Chuck, Collet. W. F. Hunsdorf. 2,529,218, Nov. 7.
Chuck, Combination jaw and collet. A. T. Hampton. 2,500,491, Mar. 14.
Chuck, Compensating-jaw. H. E. Sloan. 2,524,485, Oct. 3.
Chuck construction. K. W. Tolliver. 2,533,154, Dec. 5.
Chuck, Drill. C. W. Bracker. 2,498,525, Feb. 21.
Chuck, Differential locking driving. R. E. Schulz. 2,511,741, June 13.
Chuck, Eccentric collet. A. F. Hedberg. 2,504,928, Apr. 18.
Chuck, Floating. A. E. Drissner. 2,494,166, Jan. 10.
Chuck, Fluid pressure operated. A. E. Church. 2,509,673, May 30.
Chuck for a part having two magnetizable zones, Magnetic. W. A. Bockisch. 2,521,821, Sept. 12.
Chuck for motor drive shafts. B. Dowick. 2,526,208, Oct. 17.
Chuck for scroll saws. S. J. Angelotti. 2,519,214, Aug. 15.
Chuck for winding apparatus. A. J. Prickett. 2,514,970, July 11.
Chuck, Fruit pitting. G. W. Ashlock, Jr. 2,528,294, Oct. 31.
Chuck, Gear holding diaphragm. B. C. Day. 2,535,199, Dec. 26.
Chuck, Hydraulic steady rest. R. S. Adair. 2,511,827, June 20.
Chuck, Indexing. F. Hunziker. 2,502,260, Mar. 28.
Chuck, Lathe. F. Kraemer. 2,496,545, Feb. 7.
Chuck, Lathe. A. M. Stoner. 2,508,731, May 23.
Chuck mounting means. T. O. Strauss. 2,524,852, Oct. 10.
Chuck operating mechanism. G. A. Highberg. 2,529,772, Nov. 14.
Chuck, Permanent magnet. E. H. Brandenburg. 2,533,348, Dec. 12.
Chuck, Pipe. J. A. Dorman. 2,528,873, Nov. 7.
Chuck, Power. L. A. Leifer. 2,528,442, Oct. 31.
Chuck, Power locking drive. R. E. Schulz. 2,509,888, May 30.
Chuck, Quick release. K. E. Queitzsch. 2,517,346, Aug. 1.
Chuck, Self-centering. G. H. Fuehrer. 2,513,858, July 4.
Chuck, Self-centering. C. H. Vidal. 2,535,106, Dec. 26.
Chuck, Tool. W. M. Hoffsommer. 2,508,459, May 23.
Chuck, Watch crown clamping. F. A. Smith and J. Flugstad. 2,517,043, Aug. 1.
Chuck with overload coupling, Tap. R. J. Miller. 2,523,584, Sept. 26.
Chuck with unobstructed axial passage, Compensating. R. A. Ashton. 2,521,320, Sept. 5.
Chuck, Work. T. Zimmerman. 2,521,275, Sept. 5.
Chucking and feeding apparatus. D. D. R. Mackintosh. 2,514,775, July 11.
Churn. A. W. Holstein and D. F. McCarron. 2,529,691, Nov. 14.
Churn and adapter therefor. W. D. Mitchell. 2,504,862, Apr. 18.
Churn and butter worker, Variable speed. F. G. Cornell, Jr. 2,514,375, July 11.
Churn attachment for centrifugal cream separators. W. H. Harsick. 2,518,310, Aug. 8.
Chute, Ammunition. W. H. Nobles. 2,510,191, June 6.
Chute, Bobbin discharge. K. Kulczycki and W. Lundgren. 2,533,120, Dec. 5.
Chute, Cattle. B. F. Linton. 2,510,703, June 6.
Chute, Cattle. O. Niece. 2,528,664, Nov. 7.
Chute, Cattle branding and dehorning. I. L. Stephenson. 2,508,549, May 23.
Chute, Charging. B. Noble. 2,522,293, Sept. 12.
Chute for cattle, Branding. W. A. Walker and L. M. Hill. 2,520,585, Aug. 29.
Chute, Livestock-loading. E. T. Rachels. 2,517,348, Aug. 1.
Chute or restraining device, Animal. C. M. Whiteman. 2,526,102, Oct. 17.
Chute, Pilot. E. V. Stewart. 2,524,277, Oct. 3.
Chute with slot means for sorting in-leads. C. E. McKinsey. 2,501,403, Mar. 21.
Cigar and cigarette holder. J. Datsko. 2,501,714, Mar. 28.
Cigar box pyramiding clip. M. C. Letts. 2,506,675, May 9.
Cigar holder. J. J. Angert. 2,532,531, Dec. 5.
Cigarette and cigar holder. F. W. Storner. 2,513,118, June 27.
Cigarette and match case. E. G. Schmidt. 2,494,724, Jan. 17.
Cigarette box. C. Block. 2,493,334, Jan. 3.
Cigarette case. E. T. Eggebrecht. 2,528,743, Nov. 7.
Cigarette case. L. Esterow. 2,498,035, Feb. 21.
Cigarette case. M. Orlin. 2,504,574, Apr. 18.
Cigarette case. S. S. Szymanski. 2,535,761, Dec. 26.
Cigarette dispenser. S. C. Both. 2,503,090, Apr. 4.
Cigarette dispenser. E. A. Gregg. 2,506,719, May 9.
Cigarette dispenser. K. F. Keyzer. 2,508,611, May 23.
Cigarette, Extensible. A. L. C. Moss and R. H. Goldsmith. 2,494,776, Jan. 17.
Cigarette holder. E. S. Brothers. 2,511,898, June 20.
Cigarette holder. H. Daze. 2,502,831, Apr. 4.
Cigarette holder. A. Di Rubbio. 2,499,733, Mar. 7.
Cigarette holder. G. B. Ducot. 2,530,688, Nov. 21.
Cigarette holder. P. C. Hutton. 2,502,951, Apr. 4.
Cigarette lighter. C. P. Morse. 2,521,181, Sept. 5.
Cigarette maker. H. O. Herman. 2,525,548, Oct. 10.
Cigarette making device. H. W. Carter. 2,496,375, Feb. 7.
Cigarette, Match tip. D. A. Raffa. 2,493,832, Jan. 10.
Cigarette package holder. F. J. Mallet. 2,532,927, Dec. 5.
Cigarette package holder. E. W. Schweikert. 2,508,299, May 16.
Cigarette papers, making. R. N. Booth. 2,512,414, June 20.
Cigarette rest. J. Laichee. 2,526,488, Oct. 17.
Cigarette snubbing device. G. C. Kost. 2,514,876, July 11.
Cigarette, Tipped. T. R. Atkins. 2,493,436, Jan. 3.
Cigarette turning device. J. T. Dalton. 2,509,725, May 30.
Cigarette turning device. J. T. Dalton. 2,534,954, Dec. 19.
Cigarette turning device. R. C. Wheeley. 2,509,752, May 30.
Cinematography method, Multicolor. P. Juillet. 2,520,842, Aug. 29.
Cinnamaldehyde, Preparation of. H. H. Richmond. 2,529,186, Nov. 7.
Ciphering unit, Mechanical. L. M. Potts. 2,504,044, Apr. 11.
Ciphering unit, Mechanical. L. M. Potts. 2,525,941, Oct. 17.
Ciphering unit, Mechanical. L. M. Potts. 2,531,528, Nov. 28.
Circuit: *See*—
- Amplifier automatic gain control circuit.
- Amplifying circuit.
- Amplitude and frequency discriminatory gating circuit.
- Annunciator circuit.
- Antenna circuit.
- Antenna coupling circuit.
- Arc welding circuit.
- Attenuation control circuit.
- Automatic range tracking and memory circuit.
- Automatic temperature control electric circuit.
- Automatic tuning control circuit.
- Automatic volume control circuit.
- Automatic volume control filter circuit.
- Band-pass input circuit.
- Bandspread tuning circuit.
- Biased diode wave shaping circuit.
- Bilateral clipper circuit.
- Binary counting circuit.
- Bistable semiconductor multivibrator circuit.
- Blanking pulse generating circuit.
- Blocking oscillator trigger circuit.
- Bucking trigger circuit.
- Carrier telegraph receiving circuit.
- Cathode-ray beam deflection circuit.
- Cathode-ray tube circuit.
- Cathode-ray tube deflection sensitivity correction circuit.
- Changeable selective circuit.
- Coincidence circuit.

Circuit: *See*—Continued.
Cold cathode gas tube counting circuit.
Cold cathode gas tube trigger pulse circuit.
Combining circuit.
Comparator circuit.
Compass slaving circuit.
Compensated degenerative control circuit.
Constant band width coupling circuit.
Control circuit.
Control-transfer circuit.
Coordinate selecting and lockout circuit.
Coupling circuit.
Current control circuit.
Deflection circuit.
Discriminator circuit.
Double time constant automatic volume control circuit.
Dual electric motor series parallel starting circuit.
Dual frequency electric control circuit.
Electric circuit.
Electric control circuit.
Electric power supply circuit.
Electric valve excitation circuit.
Electrical circuit.
Electrical control circuit.
Electrical frequency discriminator circuit.
Electrical gas control circuit.
Electrical phasing circuit.
Electron tube circuit.
Electron tube controlled relay circuit.
Electron tube coupling circuit.
Electronic counter circuit.
Electronic gating circuit.
Electronic generator circuit.
Electronic impulse counting circuit.
Electronic indicating circuit.
Electronic load proportioning circuit.
Electronic pulse discriminator circuit.
Electronic pulse generating circuit.
Electronic signal mixing circuit.
Electronic signal shaping circuit.
Electronic synchronizing circuit.
Electronic time delay circuit.
Electronic timing circuit.
Feedback coupling circuit.
Flip-flop counter circuit.
Fluorescent lamp circuit.
Follow-up system stabilizing circuit.
Frequency-modulated signal distortion reducing circuit.
Frequency responsive control circuit.
Frequency shift oscillator circuit.
Gas-filled tube circuit.
Gated trigger demodulating circuit.
Heterodyne receiver circuit.
High-frequency tuning circuit.
Horizontal sweep circuit.
Hybrid circuit.
Ignition circuit.
Ignitor firing circuit.
Indicating circuit.
Integrating circuit.
Intercarrier television receiver circuit.
Interference reducing circuit.
Keyed oscillator circuit.
Keying circuit.
Keystoning circuit.
Limiter circuit.
Locked-in oscillator circuit.
Meter protection circuit.
Mixer circuit.
Modulation circuit.
Modulator circuit.
Monitoring circuit.
Motor control circuit.
Motor energization circuit.
Motor tuning stopping circuit.
Multigrid tube amplifier circuit.
Multiparty message rate line circuit.
Multiple bridge circuit.
Multiple sampling valve circuit.
Multivibrator circuit.
Negative feedback amplifier circuit.
Noise limiting video circuit.
Noise suppression circuit.
Oscillation frequency multiplier circuit.
Oscillation generator circuit.
Oscillator circuit.
Oscilloscope sweep circuit.
Peak comparator circuit.
Permeability tuned loop antenna circuit.
Phase-control circuit.
Phase inverter circuit.
Phase shift circuit.
Phase shifting circuit.
Photofinish lamp circuit.
Pickup circuit.
Polar locking circuit.
Power plant charge control circuit.
Precision pulse failure alarm circuit.
Printer telegraph circuit.
Private branch exchange trunk-hunting connector switch circuit.
Protecting circuit.
Pulse-actuated circuit.
Pulse averaging circuit.
Pulse control circuit.
Pulse delay circuit.
Pulse forming circuit.
Pulse generating circuit.
Pulse receiver circuit.
Pulse responsive circuit.
Pulse shortening circuit.
Pulse stretching circuit.
Pulse translating circuit.
Punching circuit.
Radar marker circuit.
Radar receiver automatic gain control circuit.
Radio beacon receiver control circuit.
Radio-frequency inverter relay circuit.
Radio-frequency power measuring circuit.
Radio-frequency tank circuit.
Radio-frequency testing circuit.
Radio receiver noise muting circuit.
Radio receiving circuit.
Ratio detector circuit.
Receiver circuit.
Rectifier measuring circuit.
Regulator circuit.
Relay circuit.
Relay timing interrupter circuit.
Resistance welding electronic control circuit.
Resonant circuit.
Ring circuit.
Ringing control circuit.
Safety control circuit.
Scaling circuit.
Secondary emission amplifying tube circuit.
Secondary emission tube ring circuit.
Sector scan circuit.
Selective detector circuit.
Selective output saturable reactor amplifier circuit.
Selector switch metering circuit.
Self-tuning filter circuit.
Sensitive flip-flop circuit.
Servomotor circuit.
Signal compression circuit.
Circuit: *See*—Continued.
Signal maintaining circuit.
Signal storage circuit.
Single standing wave radio circuit.
Stabilized frequency divider circuit.
Static impedance and phase changing circuit.
Supercharged cathode follower circuit.
Superheterodyne circuit.
Superregenerative circuit.
Superregenerative receiver circuit.
Sweep circuit.
Sweep-voltage generator circuit.
Synchronizing circuit.
Synchronizing corrector circuit.
Synchronizing signal separating circuit.
Telephone lookout relay control circuit.
Television intercarrier or sound receiver circuit.
Television receiver antenna input circuit.
Thermionic amplifier circuit.
Time-delay circuit.
Timing circuit.
Tone control circuit.
Tone keyer control circuit.
Transmitter biasing circuit.
Transponder tester circuit.
Trigger circuit.
Triggering circuit.
Trouble recorder control circuit.
Tube failure detection circuit.
Tube protective circuit.
Tube testing circuit.
Tunable high-frequency tank circuit.
Tuning indicator circuit.
Ultra high frequency modulation circuit.
Ultra high frequency oscillator circuit.
Ultra high frequency resonant circuit.
Vacuum tube circuit.
Variable reactance circuit.
Video gating circuit.
Voltage divider circuit.
Voltage limiting circuit.
Voltage phase control circuit.
Voltage rectifying circuit.
Voltage regulator circuit.
Voltage splitting circuit.
Wave shape correction circuit.
Wide dynamic range detector circuit.
X-ray tube energizing circuit.

Circuit and method, Detonation indicator. H. M. Barton, Jr. 2,496,338, Feb. 7.

Circuit and method, Ultra high frequency. W. W. Hansen and J. R. Woodyard. Re. 23,271, Sept. 26.

Circuit and switching device, Trigger. C. E. Cleeton. 2,534,232, Dec. 19.

Circuit and tube socket assembly, Radio frequency tuned. S. Y. White. 2,530,639, Nov. 21.

Circuit apparatus, Coded track. R. M. Gilson. 2,515,868, July 18.

Circuit apparatus for governing both wayside and cab signals, Track. R. M. Gilson. 2,515,642, July 18.

Circuit apparatus using alternating current, Track. C. Volz. 2,501,590, Mar. 21.

Circuit arrangement comprising a cathode-ray tube. Z. van Gelder and A. J. W. M. van Overbeek. 2,532,747, Dec. 5.

Circuit arrangement for a subscriber's set of a telegraph system. R. M. M. Oberman. 2,535,652, Dec. 26.

Circuit arrangement for amplifying electrical signals. G. J. Siezen. 2,526,426, Oct. 17.

Circuit arrangement for amplifying image signals and synchronizing signals. F. Kerkhof. 2,500,831, Mar. 14.

Circuit arrangement for amplifying ultra high frequency electrical oscillations. K. S. Knol, M. J. O. Strutt, and A. van der Ziel. 2,533,020, Dec. 5.

Circuit arrangement for charging or discharging condensers. G. J. Siezen. 2,507,226, May 9.

Circuit arrangement for electric discharge devices. R. H. Dunn and P. W. Lennox. 2,498,986, Feb. 28.

Circuit arrangement for frequency controls. E. Scholten. 2,531,301, Nov. 21.

Circuit arrangement for generating a sawtooth current in a coil. F. Kerkhof. 2,503,745, Apr. 11.

Circuit arrangement for indicating the duration of electrical pulses. E. L. C. White. 2,506,124, May 2.

Circuit arrangement for power tubes, Parallel. H. Goldberg and E. F. De Mers. 2,497,166, Feb. 14.

Circuit arrangement for producing saw tooth-like currents. J. Haantjes and J. J. P. Valeton. 2,512,543, June 20.

Circuit arrangement for superregenerative reception. H. de Lange. 2,525,529, Oct. 10.

Circuit arrangement for the expansion of electrical oscillations. H. A. Broos. 2,503,996, Apr. 11.

Circuit arrangement for the transmission of ultra high frequency electrical oscillations. J. M. van Hofweegen and K. S. Knol. 2,502,766, Apr. 4.

Circuit arrangement, Mixing or detector. G. Diemer and K. S. Knol. 2,519,443, Aug. 22.

Circuit arrangement producing a direct voltage for supplying a cathode-ray tube. J. Haantjes and B. W. van Ingen Schenau. 2,494,241, Jan. 10.

Circuit arrangement producing a phase displacement having a substantially constant value. J. M. L. Janssen. 2,503,739, Apr. 11.

Circuit arrangement, Reactance tube. G. Hepp. 2,530,611, Nov. 21.

Circuit arrangement, Reflex amplifier. H. A. Broos. 2,508,936, May 23.

Circuit arrangement, Tie line. K. L. Burgener. 2,532,889, Dec. 5.

Circuit arrangement, Transceiving. A. van Weel. 2,503,782, Apr. 11.

Circuit arrangement, Transmitting-receiving. H. B. R. Boosman. 2,507,139, May 9.

Circuit breaker. W. T. Allen. 2,508,591, May 23.
Circuit breaker. W. T. Allen. 2,529,754, Nov. 14.
Circuit breaker. H. G. Baxter. 2,504,793, Apr. 18.
Circuit breaker. M. J. Berlyn and E. E. Stansfield. 2,508,486, May 23.
Circuit breaker. R. L. Brown. 2,506,991, May 9.
Circuit breaker. L. F. Ceremia. 2,494,868, Jan. 17.
Circuit breaker. F. Farrell. 2,506,546, May 2.
Circuit breaker. F. Gubing. 2,494,122, Jan. 10.
Circuit breaker. A. Guillaume and A. Thibaudat. 2,507,971, May 16.
Circuit breaker. H. A. Humpage. Re. 23,188, Jan. 10.
Circuit breaker. R. C. Ingwersen. 2,514,545, July 11.
Circuit breaker. W. L. Pease. 2,509,015, May 23.
Circuit breaker. J. Sandin and R. Hauser. 2,512,386, June 20.
Circuit breaker. E. Speck. 2,502,537, Apr. 4.
Circuit breaker. S. J. Stone. 2,529,195, Nov. 7.
Circuit breaker. W. H. Stuellein, W. S. Hawkins, and G. D. Gamel. 2,516,027, July 18.
Circuit breaker. C. A. Stump, Jr., and R. D. Jessee. 2,519,297, Aug. 15.
Circuit breaker. E. H. Taylor. 2,496,072, Jan. 31.
Circuit breaker. F. G. von Hoorn. 2,522,241, Sept. 12.
Circuit breaker. A. Warsher. 2,496,759, Feb. 7.
Circuit breaker. G. C. Woodward. 2,534,938, Dec. 19.
Circuit breaker after reclosing, Retarded. C. Schlindler and O. Froland. 2,506,744, May 9.
Circuit breaker, Air blast. H. Milliken. 2,526,387, Oct. 17.
Circuit breaker and contactor, Automatic. D. E. Pepper. 2,496,020, Jan. 31.
Circuit breaker and indicating device therefor, Electric. T. Curzon. 2,534,107, Dec. 12.
Circuit breaker and operator therefor, Multipole anode. E. Goessel. 2,496,789, Feb. 7.
Circuit breaker arrangement for electromagnetically operated reciprocating devices. A. Voros, Jr. 2,497,105, Feb. 14.
Circuit breaker, Automobile battery. M. C. Beane. 2,519,815, Aug. 22.
Circuit breaker, Bimetallic overload. R. C. Ingwersen. 2,513,564, July 4.
Circuit breaker control system. M. E. Reagan. 2,504,877, Apr. 18.
Circuit breaker, Circuit testing repeating. A. Van Ryan and M. Rigert. 2,528,194, Oct. 31.
Circuit breaker contact, Broken back. A. S. Caswell. 2,514,839, July 11.
Circuit breaker control system. G. L. Claybourn. 2,519,225, Aug. 15.
Circuit breaker, Delayed electromagnetic trip. J. Sandin and H. L. Rawlins. 2,519,291, Aug. 15.
Circuit breaker double interlock mechanism, Reciprocal dual. E. A. Pifke. 2,531,157, Nov. 21.
Circuit breaker, Electric. W. G. Bourne. 2,519,629, Aug. 22.
Circuit breaker, Electric. W. J. Fleming. 2,504,513, Apr. 18.
Circuit breaker, Electric. A. Pipponzi. 2,529,662, Nov. 14.
Circuit breaker, Electric gas blast. H. A. Hidde Nijland. 2,500,429, Mar. 14.
Circuit breaker, Fluid blast. J. M. Cumming. 2,501,318, Mar. 21.
Circuit Breaker, Fluid-blast electric. D. F. Amer. 2,532,529, Dec. 5.
Circuit breaker for distribution lines, High-voltage. G. L. Hill. 2,493,347, Jan. 3.
Circuit breaker, Gas blast. A. Latour. 2,494,661, Jan. 17.
Circuit breaker, Gas blast. L. R. Ludwig and B. P. Baker. 2,507,210, May 9.
Circuit breaker having thermal overload release units, Automatic. E. Besag, W. E. Hill, and T. D. G. Wintle. 2,527,907, Oct. 31.
Circuit breaker, Ignition. H. E. Rider. 2,514,673, July 11.
Circuit breaker, Magnetic blowout. R. E. Frink. 2,501,323, Mar. 21.
Circuit breaker, Multiple. G. D. Hanchett, Jr. 2,514,863, July 11.
Circuit breaker, Nonfree-tripping overload. A. W Krieger. 2,506,796, May 9.
Circuit breaker operating mechanism. B. P. Baker. 2,501,302, Mar. 21.
Circuit breaker or overload control. E. W. Rickmeyer. 2,505,689, Apr. 25.
Circuit breaker, Pneumatic. B. M. H. P. Fernier. 2,529,145, Nov. 7.
Circuit breaker, Retarded latch trip. L. R. Ludwig, W. H. Stuellein, and G. D. Gamel. 2,504,855, Apr. 18.
Circuit breaker, Resettable. R. Carle. 2,496,332, Feb. 7.
Circuit breaker, Temperature sensitive. R. A. Doak. 2,531,115, Nov. 21.
Circuit breaker, Thermal. A. H. Dell and J. H. Sreb. 2,498,032, Feb. 21.
Circuit breaker, Thermal-magnetic. J. G. Jackson and R. H. Kingdon. 2,494,761, Jan. 17.
Circuit breaker, Thermostatic. J. D. Bolesky. 2,501,155, Mar. 21.
Circuit breaker, Thermostatic latch trip. J. D. Bolesky. 2,501,156, Mar. 21.
Circuit breaker with air damping. W. Billeter. 2,509,472, May 30.
Circuit breaker with contact arc prevention, Thermostatic. T. M. Gunn. 2,498,039, Feb. 21.
Circuit breaker with lever type current connection. C. D. Ainsworth and G. E. Jansson. 2,533,545, Dec. 12.
Circuit breaking system for automobiles, Automatic. W. Poznik. 2,497,792, Feb. 14.
Circuit changing mechanism, Centrifugally activated. C. S. Phillips. 2,534,143, Dec. 12.
Circuit closer, Snap action. J. R. Webb. 2,495,192, Jan. 17.
Circuit closer, Thermostatically controlled electric. R. A. Graden. 2,500,174, Mar. 14.
Circuit closing device for fuel feed apparatus and having quick-acting thermal control. R. H. Goddard. 2,528,134, Oct. 31.
Circuit component, Electric. A. S. Khouri and W. C. Fischer. 2,493,199, Jan. 3.
Circuit component selecting unit. E. P. Thias and W. W. White. 2,496,183, Jan. 31.
Circuit comprising one or more stacked plates, Magnetic. P. H. J. Brouwer. 2,503,092, Apr. 4.
Circuit control for reversible electric motors, Holding. L. M. Persons. 2,502,023, Mar. 28.
Circuit control for suction cleaners, Fluid actuated electric. R. G. Bielenberg. 2,534,400, Dec. 19.
Circuit control switch. R. E. Prouty. 2,493,899, Jan. 10.
Circuit controlled from station under test, Ringer test. P. W. Wadsworth. 2,534,564, Dec. 19.
Circuit controller. J. F. Frese. 2,533,238, Dec. 12.
Circuit controller. R. B. Hunter and H. L. Mekelburg. 2,521,519, Sept. 5.
Circuit controller, Electrical. J. M. Laiho. 2,494,181, Jan. 10.
Circuit controller, Electromagnetic. L. Beeman. 2,520,708, Aug. 29.
Circuit controller, Railway drawbridge. J. W. Logan, Jr., and G. V. Jefferson. 2,528,064, Oct. 31.
Circuit controlling device. C. W. Kuhn. 2,511,640, June 13.
Circuit controlling device for railroads, Switch. B. A. Lundy. 2,516,400, July 25.
Circuit controlling device, Thermostatic. J. H. Derby and T. G. Collings. 2,516,964, Aug. 1.
Circuit coupling device for high-frequency therapeutic apparatus. J. W. Acosta. 2,515,683, July 18.
Circuit device utilizing germanium, Nonlinear. J. R. Woodyard. 2,530,110, Nov. 14.
Circuit element utilizing semiconductive materials, Three-electrode. J. Bardeen. 2,524,033, Oct. 3.
Circuit element utilizing semiconductive materials, Three-electrode. J. Bardeen and W. H. Brattain. 2,524,035, Oct. 3.
Circuit element utilizing semiconductor materials, Three-electrode. W. H. Brattain and R. B. Gibney. 2,524,034, Oct. 3.
Circuit embodying fluid pressure intensifying means, Hydraulic press control. H. M. Purcell. 2,511,541, June 13.
Circuit employing feed-back energy, Coded track. C. W. Failor. 2,503,716, Apr. 11.
Circuit employing magnetic amplification, Electrical control. P. Glass. 2,503,039, Apr. 4.
Circuit employing thermionic valves, Keying. P. J. Neilson. 2,499,604, Mar. 7.
Circuit failure protection device. J. V. V. Elsworth. 2,527,920, Oct. 31.
Circuit fluid apparatus for deep well pumping with counterbalance cylinder, Closed. W. O. Miller. 2,526,388, Oct. 17.
Circuit for alternately operating electric devices, Control. P. Glass and F. E. Prem. 2,517,783, Aug. 8.
Circuit for amplitude discrimination, Secondary emission. C. H. Hoeppner. 2,520,932, Sept. 5.
Circuit for amplitude modulation. L. Blok and J. M. L. Janssen. 2,521,443, Sept. 5.
Circuit for automobile lighting systems, Electric. R. D. Moore and R. W. Bordewieck. 2,493,307, Jan. 3.
Circuit for capacity microphones or pickups. M. G. Nicholson, Jr. 2,515,791, July 18.
Circuit for carrier communication system with automatic reset timer, Testing. L. Hochgraf. 2,520,007, Aug. 22.
Circuit for cathode-ray oscillographs, Time base. S. S. Hill. 2,533,251, Dec. 12.
Circuit for cathode-ray tubes and operating the same. W. H. Buchanan. 2,534,571, Dec. 19.
Circuit for cathode-ray tubes, Electromagnetic deflection. O. H. Schade. 2,498,007, Feb. 21.
Circuit for cathode-ray tubes, Sweep. A. F. Liekens. 2,520,155, Aug. 29.
Circuit for connecting a two-wire line to wireless transmitting and receiving channels, Fork. F. de Fremery. 2,504,008, Apr. 11.
Circuit for converting a voltage of given shape into a voltage of different shape. K. Posthumus. 2,500,863, Mar. 14.
Circuit for delayed automatic amplification control. H. J. van Beek. 2,521,493, Sept. 5.
Circuit for deriving rate and integral terms, Control. R. C. Goertz. 2,517,556, Aug. 8.
Circuit for detecting frequency-modulated oscillations, Mixing detector. A. J. W. M. van Oberbeek. 2,531,866, Nov. 28.

Circuit for directional beam scanning systems. Antenna auxiliary control. C. N. Nebel. 2,518,564, Aug. 15.
Circuit for diversity receivers, Gating. R. E. Shock, J. B. Atwood, H. O. Peterson, and G. E. Hansell. 2,515,668, July 18.
Circuit for electric discharge devices, Starting and operating. E. Lemmers. 2,504,548, Apr. 18.
Circuit for electric discharge devices, Starting and operating. E. Lemmers and R. L. Keiffer. 2,504,549, Apr. 18.
Circuit for electric discharge devices, Starting and operating. B. N. Clack and D. S. Hills. 2,504,498, Apr. 18.
Circuit for electrical regulators, Antihunting. H. G. Haas. 2,499,272, Feb. 28.
Circuit for electrical windings, Protective. J. R. Sutherland. 2,497,699, Feb. 14.
Circuit for electromagnets, Control. A. E. Spinasse and W. H. Pumphrey, Sr. 2,524,334, Oct. 3.
Circuit for electronic discharge devices, Decoupling. C. R. P. Stonor. 2,500,300, Mar. 14.
Circuit for engine driven generators, Electrical. W. F. Hurlburt. 2,510,891, June 6.
Circuit for establishing connections between automatic and magneto type subscribers, Adapter. J. H. Voss. 2,516,814, July 25.
Circuit for frequency control. E. H. Hugenholtz and E. Scholten. 2,530,165, Nov. 14.
Circuit for frequency modulation radio receivers, Muting. D. B. Smith. 2,501,416, Mar. 21.
Circuit for high-frequency dielectric heating, Oscillator. L. D. Drugmand. 2,508,751, May 23.
Circuit for high-frequency, Electronic tube. H. G. Rüdenberg. 2,500,574, Mar. 14.
Circuit for high surge currents, Control. C. E. Atwood. 2,519,535, Aug. 22.
Circuit for fluid actuated rams, Variable pressure hydraulic control. H. M. Purcell. 2,507,868, May 16.
Circuit for identifying the trunk connected to an operator's position. J. H. Voss. 2,530,103, Nov. 14.
Circuit for image displaying systems, Coincidence. H. Goldberg and W. C. Thompson. 2,497,165, Feb. 14.
Circuit for measuring phase shift. S. Wald. 2,498,597, Feb. 21.
Circuit for multiple hydraulic press systems, Control. G. M. Geiger and P. J. Lindner. 2,519,900, Aug. 22.
Circuit for noise limiting, Video signal. A. V. Bedford. 2,514,022, July 4.
Circuit for operators' transmitters and receivers in series. J. H. Voss. 2,516,815, July 25.
Circuit for phonograph pickups, Hum eliminating. C. R. Miner. 2,511,665, June 13.
Circuit for presses, Pneumatically actuated hydraulic. R. J. Hess. 2,528,472, Oct. 31.
Circuit for preventing overload of current at switchboards, Multiunit calling group control. T. D. Robb and J. B. Shiel. 2,519,287, Aug. 15.
Circuit for radio phonograph combinations, Control. H. S. Marmorstein. 2,511,071, June 13.
Circuit for radio receivers, Antenna input. L. S. Tisdale, Sr. 2,529,202, Nov. 7.
Circuit for radio receivers, Automatic tuning. F. Mural. 2,496,063, Jan. 31.
Circuit for radio receivers, Control. R. C. Ferrar. 2,531,416, Nov. 28.
Circuit for radio receivers, Off-channel squelch. W. R. Young, Jr. 2,533,543, Dec. 12.
Circuit for railroad passenger entertainment systems, Control. L. F. Mayle. 2,495,749, Jan. 31.
Circuit for separation of frames from line synchronizing pulses. P. J. H. Janssen. 2,509,975, May 30.
Circuit for servo systems, Energizing. M. L. Greenough. 2,528,512, Nov. 7.
Circuit for signal control, Relay. K. L. Burgener. 2,504,641, Apr. 18.
Circuit for sound transducers, Electromagnetic expansion and compression. V. Freccia. 2,510,879, June 6.
Circuit for the sweep circuit of a radio echo system, Phase lag correction. N. Bishop. 2,519,017, Aug. 15.
Circuit for telephone exchanges, Line finder allotter. F. H. Bray and L. R. Brown. 2,502,415, Apr. 4.
Circuit for television cameras, Mixing. S. R. Patremio. 2,510,714, June 6.
Circuit for television, Direct current restoration. J. W. Downie. 2,515,763, July 18.
Circuit for television receivers, Centering. W. J. Stolze. 2,494,457, Jan. 10.
Circuit for television receiving equipment, Synchronizing. J. E. Burrell. 2,523,556, Sept. 26.
Circuit for television systems, Contrast control. W. E. Bradley. 2,504,175, Apr. 18.
Circuit for testing the dielectric strength of insulating material and recording puncture points. J. R. Weeks, Jr. 2,522,151, Sept. 12.
Circuit for triggering stroboscopic devices, Electronic. A. C. Allen. 2,521,141, Sept. 5.
Circuit for vacuum tubes, Voltage supply. D. K. Froman. 2,517,863, Aug. 8.
Circuit having reactive load, Amplifier. B. M. Oliver. 2,516,797, July 25.
Circuit in a diversity telegraphy receiver, Locking and control. R. E. Schock. 2,495,826, Jan. 31.
Circuit interrupter. B. P. Baker. 2,495,156, Jan. 17.
Circuit interrupter. B. P. Baker and J. E. Schrameck. 2,530,933, Nov. 21.
Circuit interrupter. J. M. Cumming and S. H. Boden. 2,534,901, Dec. 19.
Circuit interrupter. H. J. Crabbs. 2,528,118, Oct. 31.
Circuit interrupter. D. Ellis. 2,524,287, Oct. 3.
Circuit interrupter. H. H. Fahnoe. 2,496,704, Feb. 7.
Circuit interrupter. F. J. Fry. 2,530,952, Nov. 21.
Circuit interrupter. W. D. Kyle, Jr., and A. Van Ryan. 2,519,055, Aug. 15.
Circuit interrupter. T. Lindstrom and B. G. Tremblay. 2,508,178, May 16.
Circuit interrupter. L. R. Ludwig and B. P. Baker. 2,534,920, Dec. 19.
Circuit interrupter. L. R. Ludwig, B. P. Baker, and W. M. Leeds. 2,525,494, Oct. 10.
Circuit interrupter. J. R. McFarlin. 2,504,438, Apr. 18.
Circuit interrupter. A. J. A. Peterson and J. M. Cumming. 2,516,018, July 18.
Circuit interrupter. H. L. Rawlins and H. H. Fahnoe. 2,502,992, Apr. 4.
Circuit interrupter. A. P. Strom and T. E. Browne, Jr. 2,504,901, Apr. 18.
Circuit interrupter. A. Van Ryan. 2,521,194, Sept. 5.
Circuit interrupter. J. M. Wallace. 2,519,300, Aug. 15.
Circuit interrupter. J. M. Wallace. 2,528,197, Oct. 31.
Circuit interrupter, Automatic reclosing. B. R. Hermann and S. R. Smith, Jr. 2,524,525, Oct. 3.
Circuit interrupter, Automatic reclosing electric. L. S. Walle. 2,509,024, May 23.
Circuit interrupter, Electric. T. R. Coggeshall. 2,522,994, Sept. 19.
Circuit interrupter, Electric. G. F. Lincks. 2,532,258–9, Nov. 28.
Circuit interrupter, Electric. W. F. Skeats and T. R. Coggeshall. 2,535,702, Dec. 26.
Circuit interrupter embodying polyethylene, Self-generated gas blast. A. P. Strom and C. F. Hill. 2,516,026, July 18.
Circuit interrupter embodying polytetrafluoroethylene. A. P. Strom and J. J. Berberich. 2,531,007, Nov. 21.
Circuit interrupter for infinitely variable electric switches. W. R. Tuttle. 2,503,082. Apr. 4.
Circuit interrupter, High-voltage. R. H. Earle and R. H. Amundson. 2,521,155, Sept. 5.
Circuit interrupter, High-voltage electric. W. F. Skeats. 2,518,195, Aug. 8.
Circuit interrupter, Shockproof. G. G. Grissinger, J. Sandin, and T. Lindstrom. 2,534,906, Dec. 19.
Circuit interrupter with arc extinguishing shunt. T. E. Browne, Jr. 2,530,939, Nov. 21.
Circuit interrupter with speed control of contact. R. C. Van Sickle. 2,534,933, Dec. 19.
Circuit interrupter, Zero current, auto exhausting, vacuum. W. E. Paul. 2,522,236, Sept. 12.
Circuit interrupting apparatus. R. E. Bold. 2,508,094, May 16.
Circuit interrupting device. R. H. Earle. 2,524,101, Oct. 3.
Circuit involving rectification, Alternating current. D. C. Girard. 2,495,655, Jan. 24.
Circuit maker and breaker. M. Sidwar. 2,513,754, July 4.
Circuit maker and breaker. F. A. Talbot. 2,528,922, Nov. 7.
Circuit maker and breaker, Pressure controlled. R. V. White. 2,525,743, Oct. 10.
Circuit making and breaking mechanism. W. Leathers and L. Bruebl. 2,502,967, Apr. 4.
Circuit of multichannel pulse-position-modulation systems, Receiving. T. A. Sorber. 2,499,534, Mar. 7.
Circuit opening device. A. W. Edwards. 2,523,984, Sept. 26.
Circuit standardizing actuating mechanism. J. H. Moore. 2,528,967, Nov. 7.
Circuit selector switch. W. C. Tregoning. 2,498,614, Feb. 21.
Circuit system for remote-control systems, Simplexed line. G. W. Baughman. 2,503,701, Apr. 11.
Circuit system involving highway crossing signal control, Coded track. R. M. Laurenson. 2,512,343, June 20.
Circuit system, Sweep. L. A. de Rosa and F. J. Lundberg. 2,513,293, July 4.
Circuit tester, Electrical. W. E. Show. 2,509,653, May 30.
Circuit testing device. L. and R. Rogers. 2,517,032, Aug. 1.
Circuit thermistor control, Four-wire transmission. E. H. Lanham. 2,497,779, Feb. 14.
Circuit tuning unit. R. P. Wuerfel. 2,525,438, Oct. 10.
Circuit with double signal control, Locking. E. R. Shenk and J. R. Weiner. 2,513,525, July 4.
Circuit with inductive voltage elimination, Weld control. E. M. Callender and H. D. Van Sciver II. 2,508,330, May 16.
Circuit with loudspeaker, Substation. P. Kaelin. 2,531,883, Nov. 28.
Circuit with one negative and one positive-voltage output. Electronic keying. G. L. Usselman. 2,497,965, Feb. 21.
Circuit with transient balance control, Electric measuring. R. E. Sturm and J. R. Cosby. 2,525,841, Oct. 17.
Circuits, Amplitude limiter. D. G. C. Luck. 2,519,057, Aug. 15.

Circuits and methods, Pulse-time modulation. M. E. Bourns. 2,510,060, June 6.
Circuits and parts for use therein, Fluorescent lighting. E. H. Salter. 2,511,179, June 13.
Circuits, Antenna input. J. S. Cohen. 2,515,441, July 18.
Circuits, Automatic volume control. R. W. Ketchledge. 2,505,550, Apr. 25.
Circuits, Control. J. W. Dawson and D. P. Faulk. 2,499,730, Mar. 7.
Circuits, Control. F. D. Snyder Re. 23,217, Apr. 4.
Circuits, Electric. J. Stivin. 2,507,282, May 9.
Circuits, Electric counting. A. H. Reeves. 2,498,708, Feb. 28.
Circuits, Electric supply. E. L. C. White, E. A. Nind, and L. R. Joffre. 2,520,617, Aug. 29.
Circuits, Electric valve commutation. A. Schmidt, Jr. 2,516,597, July 25.
Circuits, Electrical control. P. Glass and F. E. Prem. 2,534,196, Dec. 12.
Circuits, Electrical multivibrator. C. W. Earp. 2,517,550. Aug. 8.
Circuits, Electrical pulse separating. W. L. Watton, E. W. Bull, and E. L. C. White. 2,493,648, Jan. 3.
Circuits, Electron discharge tube. J. R. Tillman. 2,516,812, July 25.
Circuits, Electron tube. P. N. Martin. 2,497,505, Feb. 14.
Circuits, Electronic balancing and follower. E. L. Ginzton. 2,516,865, Aug. 1.
Circuits, Electronic control. M. E. Bivens. 2,518,118, Aug. 8.
Circuits, Electronic control. L. H. Erickson. 2,533,567, Dec. 12.
Circuits, Electronic control. D. L. Markusen. 2,535,147, Dec. 26.
Circuits, Electronic counting. J. W. Kennedy, W. R. Baker, and C. E. Wiegand. 2,532,503, Dec. 5.
Circuits, Flashtube triggering. H. W. Lord. 2,509,005, May 23.
Circuits for coupling input and output devices to a telephone line. Telephone transmission. H. Selinger. 2,499,423, Mar. 7.
Circuits for determining relay time intervals, Testing. A. S. Dubuar. 2,496,622, Feb. 7.
Circuits for determining the intensity of ionizing radiation, Balanced. H. D. Roop. 2,513,818. July 4.
Circuits for electric discharge lamps. J. Cates. 2,494,860, Jan. 17.
Circuits for electromagnetic devices, Energizing and timing. C. E. Smith. 2,508,973, May 23.
Circuits for electronic type indicating systems. A. Edelman. 2,506,143, May 2.
Circuits for grinding mills, Electrical. J. A. Adams. 2,499,347, Mar. 7.
Circuits for high-frequency operation of fluorescent lamps. J. H. Campbell. 2,497,534, Feb. 14.
Circuits for intermodulation measurements, Measuring. L. Blok. 2,530,596, Nov. 21.
Circuits for machine tools, Hydraulic. R. E. Herrstrum and S. A. Bjorklund. 2,497,608, Feb. 14.
Circuits for motor vehicles, Electrical. S. A. McMillan. 2,502,580, Apr. 4.
Circuits for radar systems, Electronic control. O. E. De Lange. 2,531,201, Nov. 21.
Circuits for radiation detectors, Amplifying and quenching. D. G. C. Hare. 2,503,730, Apr. 11.
Circuits for rotary connector switches, Controlling. C. E. Lomax. 2,515,783, July 18.
Circuits for signal-seeking receivers, Relay control. D. W. Cole. 2,500,347, Mar. 14.
Circuits for signaling, Electronic. W. H. Bliss. 2,513,911, July 4.
Circuits for telephone systems, Antisidetone and line balancing substation. H. C. Pye. 2,518,178, Aug. 8.
Circuits for test meters, Electrical. J. F. Decker. 2,517,638, Aug. 8.
Circuits for the generation of pulses or oscillations, Electrical. T. E. Ivall. 2,521,726, Sept. 12.
Circuits for the operation of fluorescent lamps. J. L. Salpeter. 2,503,845, Apr. 11.
Circuits, Frequency converter. G. C. Sziklai. 2,508,048, May 16.
Circuits, Frequency-detector and frequency-control. W. E. Bradley. 2,494,795, Jan. 17.
Circuits, Frequency determining. C. L. Richards and E. J. Glaisher. 2,496,177, Jan. 31.
Circuits, Gaseous electron tube. H. H. Wittenberg. 2,506,186, May 2.
Circuits having a full wave alternating voltage output, Modulating. R. C. Goertz. 2,532,297, Dec. 5.
Circuits, Heat sensitive. O. H. Schmitt. 2,533,286, Dec. 12.
Circuits, High-frequency protective. P. L. Spencer. 2,498,719, Feb. 28.
Circuits, High-frequency protective. N. R. Wild and H. W. Cockrill. 2,498,720. Feb. 28.
Circuits, High-voltage generator. E. W. Titterton and H. G. Voorhies. 2,524,240, Oct. 3.
Circuits, Hybrid branching. A. G. Fox. 2,531,419, Nov. 28.
Circuits, including a switch therefor, Voltage multiplying. J. M. Reed. 2,496,021, Jan. 31.
Circuits, Measuring. T. A. Rich. 2,506,384, May 2.
Circuits, Mercury arc oscillator. C. W. Hansell. 2,522,871, Sept. 19.
Circuits, Multivibrator count down. C. H. Smith, Jr., and C. H. Hoeppner. 2,515,271, July 18.
Circuits particularly for television apparatus, Scanning. D. I. Lawson. 2,524,530, Oct. 3.
Circuits particularly for the reception of ultra-short electromagnetic waves, Frequency changing. C. W. Earp. 2,512,614, June 27.
Circuits, Permeability tuned receiver. W. S. Bachman. 2,505,516, Apr. 25.
Circuits, Polarized type of coded track. A. L. Jerome. 2,520.841, Aug. 29.
Circuits, Pulse discriminating. R. E. Moe. 2,529,172, Nov. 7.
Circuits, Radio amplifier. C. E. Koontz, Jr. 2,535,076, Dec. 26.
Circuits, Saturable reactor controlling. E. Cartotto. 2,518,865, Aug. 15.
Circuits, Tunable high-frequency. R. D. Fracassi. 2,506,955, May 9.
Circuits, Tunable radio frequency. F. C. Isely. 2,520,147, Aug. 29.
Circuits, Ultra high frequency band-pass. D. E. Sunstein, E. Park, and N. Johnson. 2,518,092, Aug. 8.
Circuits, Ultra high frequency mixer. E. W. Herold. 2,516,990, Aug. 1.
Circuits, Variable frequency selective. J. D. Holland and D. D. Robinson. 2,531,434, Nov. 28.
Circuits, Voltage control. V. J. Duke. 2,516,556, July 25.
Circuits, Voltage doubling. W. W. Hansen. 2,493,137, Jan. 3.
Circuits, Volume limiting. R. E. Schock. 2,509,077, May 23.
Circuits, Wattmeter. R. R. Freas. 2,512,927, June 27.
Circuits, Wave generating. A. M. Skellett. 2,501,620, Mar. 21.
Circuits, Wave translating. M. F. Wintle. 2,505,024, Apr. 25.
Circuits, Wave transmission filter. J. R. Day. 2,510,868, June 6.
Circuits, Weld timing. R. L. Longini. 2,532,111, Nov. 28.
Circuits with negative feedback, Low-frequency amplifying. C. J. van Loon and H. A. Broos. 2,530,101, Nov. 14.
Circular annealing inner cover. M. L. Jacob. 2,529,609, Nov. 14.
Circular saw making. J. H. and R. M. Warburg. 2,533,648, Dec. 12.
Circular tie rack. T. J. Ragland. 2,506,467, May 2.
Circulating bleeding system for hydraulic brakes, Automatic. S. Schnell. 2,505,213, Apr. 25.
Circulating device, Fluid. G. L. Hervert. 2,495,895, Jan. 31.
Circulating electric heater. A. Oberholtz and G. J. Moeller. 2,528,774, Nov. 7.
Circulating head. D. C. Warren. 2,501,638, Mar. 21.
Circulating means in absorption refrigeration. W. L. Edel. 2,515,081, July 11.
Circulating refrigerants, Method and apparatus for. J. C. McBroom. 2,512,869, June 27.
Circulation indicator. J. L. Havens. 2,513,863, July 4.
Circulator, Water. M. O. Thrush. 2,515,811, July 18.
Citric acid esters. C. M. Gooding, H. W. Vahlteich, and R. H. Neal. 2,518,678, Aug. 15.
Citrus juice and removal of volatile oils therefrom. G. N. Pulley and M. K. Veldhuis. 2,510,138, June 6.
Clad plate resistance welding. F. W. Armstrong, Jr 2,515,176, July 18.
Cladding apparatus. M. W. Marshall and W. B. Browning, Jr. 2,510,123, June 6.
Clamp: *See*—
Adjustable cable clamp.
Adjustable clamp.
Antenna mounting clamp.
Armor rod clamp.
Automatic mold clamp.
Battery terminal clamp.
Bedclothes clamp.
Bed-cover clamp.
Cable clamp.
Cam acuated clamp.
Catfish skinning and cleaning clamp.
Closure clamp.
Clothes clamp.
Concrete form clamp.
Core clamp.
Corner clamp.
Drill clamp.
Electric wire connecting clamp.
Electrical connector clamp.
Electrical tap clamp.
Film sprocket clamp.
Fluid pressure actuated C-clamp.
Fluid pressure operated chair assembly clamp.
Furniture leg mounting clamp.
Ground clamp.
Gusset clamp.
Hose clamp.
Hot line clamp.
Hot-wire clamp.
Jar clamp.
Leak clamp.
Line clamp.
Manhole lid clamp.
Manway clamp.
Multiple bell cap clamp.
Notebook clamp.
Pipe clamp.
Pivotal hook clamp.
Portable self-locking clamp.
Sawhorse clamp.
Saw-supporting log clamp.
Scaffold clamp.
Scaffolding clamp.
Shaker conveyer clamp.
Skate clamp.
Skid chain applying clamp.
Skull clamp.
Sling clamp.
Spring clamp.
Support clamp.
Surgical clamp.
Tube valving clamp.
Utility service clamp.
Vehicle top bow clamp.
Veneer clamp.
Wall supported container lid clamp.
Welding clamp.
Wire clamp.
Work clamp.

Clamp. L. B. Black. 2,526,322, Oct. 17.
Clamp. P. G. Damstra. 2,503,548, Apr. 11.
Clamp. W. T. Graham. 2,507,783, May 16.
Clamp. M. Laube. 2,520,884, Aug. 29.
Clamp. G. D. Ruetz. 2,504,455, Apr. 18.
Clamp. F. G. White. 2,528,201, Oct. 31.
Clamp. C. M. Woodward and H. B. Boller. 2,514,273, July 4.
Clamp adjustment, Cutting knife. F. W. Seybold. 2,506,436, May 2.
Clamp and bracket assembly. W. W. Jury. 2,510,181, June 6.
Clamp and cutter, Umbilical. N. M. Whittaker. 2,524,337, Oct. 3.
Clamp and fixture support for a bus duct system of power distribution. A. H. Veitch. 2,523,888, Sept. 26.
Clamp and seal, Cable. W. J. Osterhoudt. 2,516,409, July 25.
Clamp and tube assembly. F. J. Gauthier. 2,526,470, Oct. 17.
Clamp connector. C. L. Hatch. 2,497,602, Feb. 14.
Clamp device. W. A. Jennings. 2,502,849, Apr. 4.
Clamp device. E. G. Webb. 2,526,055, Oct. 17.
Clamp device for garment hangers. H. M. Osmonson. 2,524,537, Oct. 3.
Clamp device for rubbing machines. J. B. Hoy. 2,530,301, Nov. 14.
Clamp for bonding brake linings to brake shoes. J. V. Hendrick. 2,513,800, July 4.
Clamp for brackets, Mounting. L. J. Smith. 2,505,588, Apr. 25.
Clamp for car-top carriers, Bumper attachment. C. E. Burkey. 2,531,107, Nov. 21.
Clamp for chain stitch sewing machines, Thread. R. K. Hohmann. 2,526,482, Oct. 17.
Clamp for ironing boards, Garment. E. J. Lowry. 2,496,801, Feb. 7.
Clamp for paper cutters, Hydraulic. F. W. Seybold. 2,506,651, May 9.
Clamp for machine tools, Table. J. M. Walter. 2,532,046, Nov. 28.
Clamp for permanent waving apparatus. O. A. Harrell. 2,515,512, July 18.
Clamp for shirt presses. Automatically releasable work. E. N. Neckel. 2,517,130, Aug. 1.
Clamp for slide fastener machines, Tape tension. A. G. Natzke. 2,523,387, Sept. 26.
Clamp for submergible electric cables, Swivel. L. Rosen. 2,530.179, Nov. 14.
Clamp for three-phase delta yoke cores. J. J. Vienneau. 2,522,244, Sept. 12.
Clamp for tires, Traction. H. J. Otis. 2,518,170, Aug. 8.
Clamp for use in vulcanizing. J. W. Speaker. 2,519,984, Aug. 22.
Clamp hanger. S. J. Otis. 2,516,481, July 25.
Clamp having a selectively rigid or spring-pressed jaw, Article-holding. J. T. Spencer. 2,502,804, Apr. 4.
Clamp having a spring-pressed jaw, Plier-type article-holding. H. B. Sarsgard and G. M. Allder. 2,501,238, Mar. 21.
Clamp having plural positions for cam and jaw fulcrums, Cam-operated pivoted-jaw. S. R. Keller. 2,515,877, July 18.
Clamp having removable jaws, Model maker's. G. B. Lear. 2,530,203, Nov. 14.
Clamp or holder, Paintbrush. N. J. Smith. 2,498,511, Feb. 21.
Clamp means. M. E. Van Auken. 2,504,360, Apr. 18.
Clamp mechanism for setting adhesively bound brake shoe linings. J. V. Urbano. 2,515,746, July 18.
Clamp paintbrush holder. B. O. Wallace. 2,532,209, Nov. 28.
Clamp stick, Folding. D. C. Hubbard. 2,514,063, July 4.
Clamp tight switch. O. Jensen. 2,513,649, July 4.
Clamp tightener. E. Biba, Jr. 2,503,189, Apr. 4.
Clamp to hold straight-edge on a drafting board, Ball-bearing. D. D. Spoor. 2,511,654, June 13.
Clamp to make strike plates adjustable, Adjustable. W. C. Heinen. 2,523,952, Sept. 26.
Clamp type garment hanger. H. M. Schliestedt. 2,506,391, May 2.
Clamping and filing machine, Saw. J. W. Coghlan. 2,505,278, Apr. 25.
Clamping and shock absorbing device. M. P. Taylor. 2,519,721, Aug. 22.
Clamping and spacing device, Automatic. W. Haywood, Jr. 2,519,653, Aug. 22.
Clamping connector. M. M. Silverman. 2,508,655, May 23.
Clamping device. R. V. Anderson. 2,522,659, Sept. 19.
Clamping device. R. W. Anthony. 2,524,507, Oct. 3.
Clamping device. L. M. Evans and R. B. Heath. 2,524,436, Oct. 3.
Clamping device. J. M. Hargrave. 2,519,652, Aug. 22.
Clamping device. G. P. Hayner. 2,523,760, Sept. 26.
Clamping device. F. F. Kortlucke, Jr., and F. W. Stellwagen. 2,498,372, Feb. 21.
Clamping device. W. J. Lewis. 2,497,030, Feb. 7.
Clamping device. G. L. McFarland. 2,531,147, Nov. 21.
Clamping device. G. S. Morlan. 2,503,123, Apr. 4.
Clamping device. J. Stolber. 2,500,048. Mar. 7.
Clamping device. J. B. Thomson. 2,498,315, Feb. 21.
Clamping device, Adjustable. R. W. Strobel. 2,499,981, Mar. 7.
Clamping device, Brake lining. G. W. and G. R. Langford. 2,503,055, Apr. 4.
Clamping device, Brake lining. G. W. and G. R. Langford. 2,523,507, Sept. 26.
Clamping device, Bristle. C. F. Werkheiser. 2,521,105, Sept. 5.
Clamping device, Cable. F. V. Slaker. 2,531,003, Nov. 21.
Clamping device, Flesh. E. L. Zoller. 2,516,359, July 25.
Clamping device for electron tubes and the like. J. R. Shonnard and J. Schauer. 2,505,840, May 2.
Clamping device for face plates, panel fronts, or trim for enclosed switches, etc. H. J. Hammerly and A. H. Veitch. 2,501,722, Mar. 28.
Clamping device for food slicers, Food. A. van Duyn. 2,505,345, Apr. 25.
Clamping device for framework elements, Resilient. P. Sereno. 2,523,785, Sept. 26.
Clamping device, Snap action. F. J. Trainor. 2,503,854, Apr. 11.
Clamping means. E. H. Willetts. 2,503,368, Apr. 11.
Clamping means for duplicating machines, Master sheet. H. G. Robinson. 2,502,278, Mar. 28.
Clamping means for flaring tools or the like. G. E. Franck. 2,505,666, Apr. 25.
Clamping means for looms, Filling. I. W. Mabry. 2,522,290, Sept. 12.
Clamping means, Tube. G. E. Franck. 2,505,665, Apr. 25.
Clamping mechanism for draw presses. C. G. Ellis. 2,532,663, Dec. 5.
Clamping mechanism for printing presses, Plate. A. Neef. 2,516,408, July 25.
Clamping ring. H. T. White, H. Fritsch, and L. R. Di Filippo. 2,495,796, Jan. 31.
Clapper for telephone ringers. R. T. Jenkins. 2,533,465, Dec. 12.
Clarification of liquids. A. C. Lind. 2,509,933, May 30.
Clarification of settling liquors. L. Freeman. 2,500,065, Mar. 7.
Clarification of sugar solutions, Secondary. G. M. Eguchi and C. H. Wells. 2,518,296, Aug. 8.
Clarifications. E. M. Kelly. 2,506,927, May 9.
Clarifier. T. R. Komline. 2,517,117, Aug. 1.
Clarifier. J. J. Neugle. 2,498,292, Feb. 21.
Clarifier. R. G. Paulette and W. H. Green. 2,528,907, Nov. 7.
Clarifier of sewage by colloidal degeneration. E. A. Cox. 2,533,223, Dec. 12.
Clarifying apparatus. W. H. Green. 2,528,879, Nov. 7.
Clarifying impure sugar solutions. J. Godston. 2,501,272, Mar. 21.
Clarifying process and apparatus. H. C. Parker. 2,509,695, May 30.
Clarinet. O. E. Christensen. 2,506,489, May 2.
Clasp. A. F. Anderson. 2,499,898, Mar. 7.
Clasp. F. Headon. 2,521,456, Sept. 5.
Clasp. A. A. Johnson and H. G. Lehmann. 2,529,453, Nov. 7.
Clasp. W. M. Lester. 2,527,484, Oct. 24.
Clasp, Adjustable. H. Vizner. 2,495,667, Jan. 24.
Clasp and article holder, Tie. M. Lavanish. 2,528,527, Nov. 7.
Clasp and lighting implement, Combined. H. F. Chambers. 2,524,881, Oct. 10.
Clasp, Bracelet. C. Silverman. 2,513,592, July 4.
Clasp brake. R. G. Aurien. 2,508,211, May 16.
Clasp brake. B. H. Browall. 2,506,990, May 9.
Clasp brake. N. Flesch. 2,509,139, May 23.
Clasp comprising interlocking members having matching surfaces. G. Snyder. 2,532,680, Dec. 5.
Clasp construction. E. Prestinari and J. F. Sand. 2,518,716, Aug. 15.
Clasp device for utilizing earrings as jewelry clip ornaments. E. Battiste. 2,501,754, Mar. 28.
Clasp for bracelets or the like. E. Morehouse. 2,515,610, July 18.
Clasp for men's pencils, and the like, Fabric gripping. E. Marcoux. 2,512,031, June 20.
Clasp for wrist watch bands. R. Jaccarino. 2,518,551, Aug. 15.
Clasp, Garment. J. R. Andrus. 2,531,244, Nov. 21.
Clasp, Garment. I. M. Cowan. 2,509,965, May 30.
Clasp, Garter. C. J. Cantello. 2,498,154, Feb. 21.
Clasp, Hair and scarf. G. H. Christie. 2,510,554, June 6.
Clasp, Hat. C. Strambini. 2,498,225, Feb. 21.
Clasp, Hose supporting. G. A. Gruss. 2,505,181, Apr. 25.
Clasp, Lock. E. Vincent. 2,514,980, July 11.
Clasp or connector for watch-bracelets and the like. L. E. Valcourt. 2,522,650, Sept. 19.
Clasp, Pencil. G. L'Heureux. 2,500,367, Mar. 14.
Clasp, Pin. L. L. Levy. 2,535,641, Dec. 26.
Clasp receiving unit for garments. H. M. Herbener. 2,505,242, Apr. 25.
Clasp, Tie. H. Gragg and D. F. Bell. 2,514,048, July 4

Classification of wool. G. C. Le Compte. 2,499,395, Mar. 7.
Classifier. G. D. Fenton. 2,505,283, Apr. 25.
Classifying machine, Vortical. H. G. and W. H. Lykken. 2,497,088, Feb. 14.
Classifying rolled billets. M. Langen. 2,525,302, Oct. 10.
Claw for milking machines. G. H. Gascoigne. 2,507,969, May 16.
Claw-lever-and-rack-actuated parallel jaw wrench. A. Lazzarini. 2,500,461, Mar. 14.
Claw, Milk. E. Shurts. 2,514,676, July 11.
Clay and producing same, Modified gel-forming. E. A. Hauser. 2,531,427, Nov. 28.
Clay pipe cutter. W. D. Gilson and H. B. Myers. 2,497,724, Feb. 14.
Cleanout opening, Smoke pipe. J. J. Byrnes. 2,507,885, May 16.
Cleaner: *See*—
Air and gas cleaner.
Air cleaner.
Barn cleaner.
Belt cleaner.
Belt conveyer cleaner.
Bowling alley gutter cleaner.
Cloth bag cleaner.
Combine pickup cleaner.
Drain cleaner.
Dustless heavy-duty suction cleaner.
Dust mop cleaner.
Ear cleaner.
Egg cleaner.
Gas cleaner.
Horological instrument cleaner.
Liquid cleaner.
Mechanical barn cleaner.
Movable deck pneumatic coal cleaner.
Oil-bath air cleaner.
Pen point cleaner.
Pipe cleaner.
Pipe stem cleaner.
Pneumatic coal cleaner.
Pot cleaner.
Record cleaner.
Rotary egg cleaner.
Silver cleaner.
Sink, lavatory, and commode cleaner.
Suction cleaner.
Steam vacuum cleaner.
Switch bank contact cleaner.
Tank cleaner.
Tank type vacuum cleaner.
Toilet bowl cleaner.
Tooth cleaner.
Vacuum cleaner.
Vacuum street cleaner.
Wheel cleaner.
Windshield cleaner.
Window cleaner.
Yarn cleaner.
Cleaner and polisher, Hand billiard ball. H. B. Scheidemantel. 2,527,855, Oct. 31.
Cleaner and scraper having a "fingernail" action, Dermal. J. S. Anderson. 2,507,619, May 16.
Cleaner and tester, Spark plug. M. A. Michaels. 2,505,422, Apr. 25.
Cleaner construction. M. L. Blair and A. J. Heitzmann. 2,509,802, May 30.
Cleaner for boilers, Fluid jet. C. G. Marks. 2,530,018, Nov. 14.
Cleaner for dairy barns, Gutter side wall. C. A. Gilbert. 2,519,645, Aug. 22.
Cleaner for dragline buckets and the like, Mechanical. J. W. Aisthorpe. 2,501,489, Mar. 21.
Cleaner for drain pipes. W. F. Eggleston. 2,496,525, Feb. 7.
Cleaner for forks, combs, or like implements. S. Cheldin. 2,501,208, Mar. 21.
Cleaner for row crop tractors, Wheel. W. M. Mason. 2,499,519, Mar. 7.
Cleaner for textile machines or the like, Traveling. G. B. Holtzclaw. 2,524,797, Oct. 10.
Cleaner having a washable inner lining, Pouch type golf ball. J. K. Wetherby. 2,530,746, Nov. 21.
Cleaner mechanism, Windshield. H. J. Findley. 2,520,678, Aug. 29.
Cleaner unit, Electrical gas. V. Dahlman. 2,502,560. Apr. 4.
Cleaning agent dispenser. T. B. McDow. 2,514,887, July 11.
Cleaning and coating ferrous metal. E. R. Boller, L. D. Eubank, and C. A. Littler. 2,515,488, July 18.
Cleaning and insecticide apparatus, Combined. J. A. Gird. 2,500,816, Mar. 14.
Cleaning and shampooing machine, Surface. E. Berberian. 2,495,686, Jan. 31.
Cleaning and tinning electrical conductors. L. Pessel. 2,505,627, Apr. 25.
Cleaning animal fibers to prepare same for subsequent use in textile operations. M. Levin. 2,508,406–7. May 23.
Cleaning apparatus. S. F. Platek. 2,499,876, Mar. 7.
Cleaning apparatus, Brush. A. J. Liebman. 2,519,259, Aug. 15.
Cleaning apparatus, Fish. M. K. Kuther. 2,498,993, Feb. 28.
Cleaning apparatus for lamp shades having a rotary support, fluid spray, and drier. W. C. Douglass. 2,515,702, July 18.
Cleaning apparatus, Spark plug. R. K. Christie. 2,515,336, July 18.
Cleaning attachment, Surface. J. F. Smul. 2,499,933, Mar. 7.
Cleaning azo printed regenerated cellulose gel with hydrated alumina. E. L. Wolfram. 2,502,911, Apr. 4.
Cleaning bearings of engines, Internally. B. H. Eaton. 2,493,120, Jan. 3.
Cleaning carbon articles. L. L. Winter. 2,527,666, Oct. 31.
Cleaning cement surfaces preparatory to painting. I. A. Halpern. 2,529,549, Nov. 14.
Cleaning composition, Glass. M. T. Flaxman. 2,524,380, Oct. 3.
Cleaning composition, Hand. J. P. Lenoble. 2,525,303, Oct. 10.
Cleaning composition, Household. E. W. Parker. 2,502,881, Apr. 4.
Cleaning composition, Metal. A. C. Pabst and E. S. Salmon. 2,524,825, Oct. 10.
Cleaning composition, Metal. A. C. Pabst and E. S. Salmon. 2,525,078, Oct. 10.
Cleaning composition, Stabilized chlorohydrocarbon. A. W. Larchar. 2,517,893, Aug. 8.
Cleaning composition, Stabilized chlorohydrocarbon. A. W. Larchar. 2,517,895, Aug. 8.
Cleaning copper containing metal articles. J. J. Bayer. 2,522,496, Sept. 19.
Cleaning device, Egg. L. S. Cranmer and M. Ferreira. 2,502,616, Apr. 4.
Cleaning device, Electrode tip. S. Fisher. 2,503,382, Apr. 11.
Cleaning device employing liquid cleaning agent, Surface. V. H. Goldsmith. 2,506,077, May 2.
Cleaning device, Erosion-abrasion. A. C. Nestle. 2,517,017, Aug. 1.
Cleaning device, Floor. E. L. Fellman and W. G. Stewart, Jr. 2,500,841, Mar. 14.
Cleaning device, Floor. F. H. Lyons and J. F. Ferdon. 2,500,840, Mar. 14.
Cleaning device for submersible burner. N. Swindin. 2,530,270, Nov. 14.
Cleaning device, Fuse contact. J. C. Rodriquez. 2,503,299, Apr. 11.
Cleaning device having a brush and flanking sponge and squeegee elements. L. Ecker. 2,518,765, Aug. 15.
Cleaning device, Silver. B. L. Chase. 2,505,228, Apr. 25.
Cleaning device, Sponge. W. E. Kautenberg. 2,517,213, Aug. 1.
Cleaning device, Typewriter. A. Thorens. 2,517,257, Aug. 1.
Cleaning device, Utensil. B. F. Russell. 2,508,541, May 23.
Cleaning device, Window. J. R. Dean. 2,521,967, Sept. 12.
Cleaning device, Window. N. Kennedy. 2,511,346, June 13.
Cleaning device, Windshield. J. B. Sparkman. 2,532,429, Dec. 5.
Cleaning machine and method, Ball. J. U. Mayer, J. J. Kehoe and E. L. Conard. 2,493,681, Jan. 3.
Cleaning machine, Automatic watch. O. Schurenberg. 2,510,911, June 6.
Cleaning machine, Automatic watch part. O. Schurenberg. 2,510,912, June 6.
Cleaning machine, Dry. S. Stribling. 2,495,488, Jan. 24.
Cleaning machine, Egg. H. T. Linsmeier. 2,497,949, Feb. 21.
Cleaning machine, Floor. E. T. Platz. 2,524,928, Oct. 10.
Cleaning machine for dry and wet cleaning of garments and the like. W. F. Glass. 2,529,802, Nov. 14.
Cleaning machine, Vacuum. R. G. Leonard. 2,528,763, Nov. 7.
Cleaning machine, Vegetable. J. C. Doolittle. 2,504,946, Apr. 18.
Cleaning means, Orifice. W. S. Landon. 2,497,223. Feb. 14.
Cleaning of metal strip, Method and apparatus for continuous. A. H. Brisse. 2,529,762, Nov. 14.
Cleaning or laundry machine. L. M. Kahn. 2,533,888, Dec. 12.
Cleaning pad. H. Magit. 2,528,602, Nov. 7.
Cleaning preparation for removing silicone resins from baking pans and similar articles. W. Reeder and J. J. Russ. 2,525,079, Oct. 10.
Cleaning scaled vessels. M. E. Brines and T. W. Sarge. 2,524,757, Oct. 10.
Cleaning spinning frames, Method and apparatus for. C. de V. Miller and F. N. Becker. 2,516,475, July 25.
Cleansers, Denture. T. H. Rider, F. L. Humoller, and S. D. Gershon. 2,498,343–4, Feb. 21.
Cleansing apparatus. N. Cordis. 2,532,088, Nov. 28.
Cleansing apparatus, Automatic clothes. P. E. Geldhof and L. Ringer. 2,498,885, Feb. 28.
Cleansing of polymerization reactors. J. H. Bannon. 2,530,144, Nov. 14.
Clearer for drawing frames, Top roll. C. D. Miller and L. S. Lyles. 2,509,982, May 30.
Clearer for the top drawing rollers of spinning machines. O. P. Hord and H. M. Hurst. 2,513,872, July 4.
Cleat assembly, Shoe. C. W. Dowd and H. G. Mogensen. 2,523,652, Sept. 26.
Cleat, Shoe. R. M. McCallum. 2,509,980, May 30.
Cleat, Traction. W. G. Frenzel. 2,507,968, May 16.
Cleat, Traction. G. Miller. 2,525,367, Oct. 10.
Clinching of nails when joining pieces of wood or the like. E. E. A. Norrefeldt and H. E. E. Holst. 2,497,737, Feb. 14.
Clinkers, The production of porous. A. F. Bomgren. 2,498,355, Feb. 21.
Clinometer, Pocket. R. A. Kennedy and C. A. Harms. 2,498,083, Feb. 21.

Clip: *See*—
Adhesive tape dispensing and severing clip.
Binding wire clip.
Brick veneer and clip.
Cigar box pyramiding clip.
Cover holding clip.
Curl clip.
Ear clip.
Fastener clip.
Fastening clip.
File or folder clip.
Filing clip.
Film clip.
Flush mounted pencil clip.
Insulated electrical clip.
Loose-leaf binder clip.
Match clip.
Molding clip.
Ornamental ear clip.
Outgoing mail clip.
Paper clip.
Pin curl clip.
Pen or pencil clip.
Pivoted hair curling clip.
Putlog supporting clip.
Resilient sheet metal fastening clip.
Retainer spring clip.
Retaining clip.
Spring biased pivoted fuse terminal clip.
Spring clip.
Spring hinged clip.
Stud fastened molding clip.
Tenter clip.
Terminal clip.
Vehicle wheel cover attachment clip.

Clip. W. R. Gunderson. 2,532,020, Nov. 28.
Clip. S. Preston. 2,508,077, May 16.
Clip. J. J. Robbins. 2,507,816, May 16.
Clip. A. Szent-Gyorgyi. 2,502,289, Mar. 28.
Clip. R. T. von Palmenberg. 2,504,765, Apr. 18.
Clip and the like, Fastening. F. R. Chester. 2,503,435, Apr. 11.
Clip board. G. M. Moss. 2,516,239, July 25.
Clip for clothes hangers, Removable garment supporting. G. J. Weymouth. 2,525,985, Oct. 17.
Clip for cotton picker spindle slats, End. J. D. Rust. 2,533,631, Dec. 12.
Clip for fishhooks, Lure. A. L. Trada. 2,522,073, Sept. 12.
Clip for fish plugs, Securing. W. Slepica. 2,497,473, Feb. 14.
Clip for flanged supports, Fastener. J. F. Peters, Jr. 2,504,086, Apr. 11.
Clip for fluorescent lamp sockets. H. Hubbell. 2,505,775, May 2.
Clip for hearing aid cases. E. W. Born. 2,535,834, Dec. 26.
Clip for holding sanding paper. A. J. Dremel. 2,509,561, May 30.
Clip for molding strips and the like, Spring. O. J. Poupitch. 2,515,895, July 18.
Clip for moldings and the like, Sheet metal. L. H. Flora. 2,499,637, Mar. 7.
Clip for pens and pencils. W. A. Davis. 2,531,113, Nov. 21.
Clip for pens or similar articles. S. Kanner. 2,498,857, Feb. 28.
Clip for reciprocating cutters, Guiding. W. Vutz. 2,500,104, Mar. 7.
Clip for roller skates, Toe. A. Post and J. Goldstein. 2,516,644, July 25.
Clip for securing moldings, Sheet metal spring. L. H. Flora. 2,521,354, Sept. 5.
Clip for spectacle cases and other receptacles, Spring. H. C. Bostian. 2,514,834, July 11.
Clip for suspending articles. H. A. Hosey. 2,501,519, Mar. 21.
Clip for tentering machines, Automatic. J. Dungler. 2,515,399, July 18.
Clip for use with an apertured support, One-piece fastener. J. Kral. 2,511,805, June 13.
Clip for writing instruments. J. W. Welsh. 2,523,605, Sept. 26.
Clip for Venetian blind slats. J. Seagaard and T. Triolo. 2,503,074, Apr. 4.
Clip knotter, Necktie. J. Fruns. 2,528,356, Oct. 31.
Clip or clamp, Scaffolding and like. A. Macbeth. 2,512,352, June 20.
Clip pin. E. T. Sommer, Jr. 2,520,817, Aug. 29.
Clip with clasp means, Sheet metal spring. A. H. Tinnerman. 2,535,879, Dec. 26.
Clipper. A. R. Ferree, Sr. 2,506,714, May 9.
Clipper, Grass. C. A. Sundstrand. 2,504,164, Apr. 18.
Clipper, Manually operated vegetation. C. T. Northquist. 2,534,924, Dec. 19.
Clipper, Nail. A. Bilsky. 2,515,852, July 18.
Clipper, Nose hair. C. G. D'Amato. 2,525,450, Oct. 10.
Clipper, Thread. C. J. Dalley. 2,524,653, Oct. 3.
Clippers, Grass. D. W. Wright. 2,503,983, Apr. 11.
Clippers, Nail. B. Meesook. 2,507,345, May 9.
Clippers, Veneer. S. L. Michael and V. E. Anderson. 2,532,672, Dec. 5.
Clipping apparatus, Dowel. H. B. Julow. 2,519,137, Aug. 15.
Clipping device, Cigarette and cigar. J. M. King. 2,521,854, Sept. 12.
Clock. B. Lerman. 2,507,026, May 9.
Clock. B. Lerman. 2,525,140, Oct. 10.
Clock. B. J. Paulson. 2,502,985, Apr. 4.
Clock. H. G. Stein. 2,494,011, Jan. 10.
Clock and dice device, Novelty. J. I. Munves. 2,525,710, Oct. 10.
Clock and loud-speaker unit, Combined. G. O. Tanner. 2,532,963, Dec. 5.
Clock and signal with time lapse indicator, Combined. A. Winn. 2,526,442, Oct. 17.
Clockcase construction. E. M. Patterson and W. Klein. 2,500,701, Mar. 14.
Clock control, Electric alarm. E. B. Moss. 2,507,216, May 9.
Clock-controlled switch gear. J. W. Ellis. 2,499,270, Feb. 28.
Clock, Electric. L. C. Parker and T. K. Riggen. 2,516,720, July 25.
Clock, Electric. T. K. Riggen. 2,532,944, Dec. 5.
Clock, Illuminated mirror. L. M. Owen. 2,534,877, Dec. 19.
Clockmaker's tool. R. E. Warkentin. 2,496,611, Feb. 7.
Clock, Master-control. G. T. Fredstrom. 2,529,869, Nov. 14.
Clock mounting means. E. Bourquin. 2,532,599, Dec. 5.
Clock, Music roll alarm. F. Loeffler. 2,509,871, May 30.
Clock, Pendulum. T. K. Riggen. 2,500,433, Mar. 14.
Clock, Power. J. Lato. 2,521,923, Sept. 12.
Clock, Program. L. Y. Lassiter. 2,495,462, Jan. 24.
Clock selector switch. H. W. Batcheller. 2,521,559, Sept. 5.
Clock setting system. L. J. Stern. 2,498,462, Feb. 21.
Clock, Singing bird. P. D. Davis and E. P. Porter, Jr. 2,504,811, Apr. 18.
Clock, Sun. J. E. Johanson and F. O. Boyd. 2,524,706, Oct. 3.
Clock, Sustained power electric. O. H. and R. H. Dicke. 2,510,562, June 6.
Clock, Swing. W. L. Hansen. 2,527,417, Oct. 24.
Clock with visible and audible alarm means. A. J. Parissi. Re. 23,261, Aug. 22.
Clock, World. A. Tellier. 2,496,826, Feb. 7.
Closer, Door. E. Billeter. 2,522,252, Sept. 12.
Closer, Door. H. S. Diebel. 2,493,116, Jan. 3.
Closet, Disappearing. C. G. Spencer. 2,499,791, Mar. 7.
Closet with auxiliary chamber for a cleaning brush, Water. J.-M. T. A. Pierre. 2,495,498, Jan. 24.
Closing apparatus, Container. S. W. Dennis and E. Henschen. 2,518,294, Aug. 8.
Closing bag tube ends. H. H. Allen. 2,524,030, Oct. 3.
Closing elevator doors. C. K. Wilson. 2,509,712, May 30.
Closing fiber containers with a lined closure, Method and mechanism for. E. W. Lager, J. J. Prohaska, and H. E. Haase. 2,531,914, Nov. 28.
Closing machine, Can. R. M. Weygant and J. S. Massey. 2,517,616, Aug. 8.
Closing the toe of circular knit hose. J. L. Getaz. 2,515,506, July 18.
Closure. F. G. and S. H. Dobbs. 2,514,750, July 11.
Closure. T. H. Risk. 2,498,345, Feb. 21.
Closure. A. E. Smith. 2,524,365, Oct. 3.
Closure and contact for mercury switches. E. W. Rickmeyer. 2,501,787, Mar. 28.
Closure and equipment therefor, Insulated. L. Dobrin. 2,514,316, July 4.
Closure and fastener member. W. A. Bedford, Jr. 2,527,053, Oct. 24.
Closure and fastener therefor, Hinged. R. N. Rowe. 2,522,964, Sept. 19.
Closure arrangement for fluid heating devices. O. J. Alvarez and R. E. Fulton, Jr. 2,523,261, Sept. 26.
Closure, Bottle. M. E. DeGroff. 2,522,864, Sept. 19.
Closure, Box hole. M. D. Bergan. 2,522,741, Sept. 19.
Closure cap for collapsible tubes, Folded sheet material. A. La Salle. 2,520,940, Sept. 5.
Closure caps to containers, Machine and method for hermetically sealing. H. E. Stover. 2,529,199, Nov. 7.
Closure clamp. H. C. Glitsch. 2,515,507, July 18.
Closure collar for respirators. J. D. Akerman. 2,521,679, Sept. 12.
Closure, Counter-balanced. D. G. Taylor. 2,523,929, Sept. 26.
Closure device. B. N. Lafarge. 2,510,824, June 6.
Closure device for containers. T. E. Piazze. 2,520,335, Aug. 29.
Closure device having self-locking pivoted cap. J. Beyers. 2,495,884, Jan. 31.
Closure elements, Making. L. F. Rogers and M. S. Ebert. 2,516,647, July 25.
Closure flap structure for overshoes or the like. C. H. Fitterling. 2,517,189, Aug. 1.
Closure, Fluid-tight. R. G. Miller. 2,517,012, Aug. 1.
Closure for beehive smokers. R. H. Volgenau and J. M. Hooe. 2,535,177, Dec. 26.
Closure for bottles and the like, Drop counting. J. da Veiga Soares. 2,497,980, Feb. 21.
Closure for bottles, Dispenser. L. L. Lewis. 2,511,723, June 13.
Closure for bottles, Single. C. H. Krebs. 2,501,849, Mar. 28.
Closure for building entrances and exits, Fluid film. W. M. Spencer. 2,516,432, July 25.
Closure for bungholes. V. Alvear. 2,514,827, July 11.
Closure for collapsible tubes. H. R. Katzmann. 2,529,554, Nov. 14.
Closure for collapsible tubes, Automatic. A. E. Groody. 2,493,814, Jan. 10.
Closure for collapsible tubes, Dispensing. H. W. Beach. 2,528,993, Nov. 7.
Closure for container covers. G. Lambert. 2,527,194, Oct. 24.

Closure for container pivotally supporting a resiliently mounted pressure closure for adjacent opening, Screw type. J. A. Johnson. 2,505,406, Apr. 25.
Closure for containers. M. Freeman. 2,525,888, Oct. 17.
Closure for containers, Dispensing. J. de Swart. 2,507,248, May 9.
Closure for containers, Expansible. R. C. Webber. 2,529,644, Nov. 14.
Closure for containers, Hermetically sealed end. W. A. Eaton. 2,521,208, Sept. 5.
Closure for dispensing tubes and the like. G. F. McLaughlin. 2,534,139, Dec. 12.
Closure for fuel tanks. L. Chase. 2,505,637, Apr. 25.
Closure for mailboxes, Suspended. W. O. Turnidge. 2,527,601, Oct. 31.
Closure for milk tank manholes Vented. J. H. De Frees. 2,533,771, Dec. 12.
Closure for mufflers. D. J. Coursey. 2,507,333, May 9.
Closure for pressure vessels. C. W. Thornhill. 2,520,864, Aug. 29.
Closure operator. J. F. Molloy. 2,534,525, Dec. 19.
Closure for railroad car hopper discharge chutes. H. A. Withall. 2,512,451, June 20.
Closure for receptacles. L. T. Knocke. 2,522,792, Sept. 19.
Closure for receptacles. A. E. Lamarthe. 2,529,878, Nov. 14.
Closure for steel barrels. H. B. Howe. 2,505,641, Apr. 25.
Closure for storage batteries. L. A. Doughty. 2,506,952, May 9.
Closure for trousers. J. Mintz. 2,499,829, Mar. 7.
Closure for windows, Auxiliary. M. J. Nardulli. 2,514,349, July 4.
Closure lock. R. C. Staley. 2,507,941, May 16.
Closure lock and actuating mechanism. E. Kressbach. 2,519,480, Aug. 22.
Closure means, Brief bag. S. Klehr. 2,503,746, Apr. 11.
Closure means for article of footwear and making same. F. F. Olson. 2,525,269, Oct. 10.
Closure means for billfolds, End. W. A. Pence. 2,496,174, Jan. 31.
Closure means for converters, Sealing. R. H. Hill. 2,519,572, Aug. 22.
Closure means for cloth receptacles. F. Urban. 2,528,192, Oct. 31.
Closure means for vehicle bodies. J. G. Apel. 2,509,665, May 30.
Closure member. R. Hofmann. 2,506,362, May 2.
Closure member. W. L. Trafton. 2,497,827, Feb. 14.
Closure operator. E. A. Rehwald. 2,520,855, Aug. 29.
Closure operator and linkage therefor. S. C. Reynaud. 2,505,912, May 2.
Closure plate and valve assembly for shock absorbers. W. H. Kieber. 2,518,553, Aug. 15.
Closure, Receptacle. L. E. Gould. 2,499,745, Mar. 7.
Closure, Self-sealing jar. C. Wadsworth. 2,498,930, Feb. 28.
Closure, Spring-biased pivoted. F. V. Ettlinger, Jr. 2,524,191, Oct. 3.
Closure structure. E. C. Webb. 2,506,820, May 9.
Closure structure, Emergency. R. A. Miller. 2,509,362, May 30.
Closure, Vented. D. H. Bierman. 2,521,773, Sept. 12.
Cloth and preparing same, Filter. O. H. Van Norden. 2,528,847, Nov. 7.
Cloth bag cleaner. W. H. Bagby. 2,523,607, Sept. 26.
Cloth bleaching operation. H. M. Schmitt. 2,522,900, Sept. 19.
Cloth board for Axminster looms. W. Y. Robb. 2,523,061, Sept. 19.
Cloth cutter. R. B. Taylor, Sr., and R. Whewell, Jr. 2,530,134, Nov. 14.
Cloth-cutting machine. M. Zawistowski. 2,529,441, Nov. 7.
Cloth feed for sewing machines. F. Stalder. 2,522,587, Sept. 19.
Cloth handling apparatus. C. T. Graham. 2,503,817, Apr. 11.
Cloth laying-up machine. N. Obedin. 2,508,684, May 23.
Cloth laying up machine. J. M. Perignat. 2,502,745, Apr. 4.
Cloth or apron, Haircutting. F. H. Richmond. 2,526,505, Oct. 17.
Cloth placing apparatus. S. Ganis. 2,507,099, May 9.
Cloth roll support. A. E. Zabriskie and W. E. Lundgren. 2,510,454, June 6.
Cloth, Stiffened. H. Goldberg. 2,498,077, Feb. 21.
Cloth washing apparatus. J. O. Lindsay. 2,504,554, Apr. 18.
Cloth with soap container, Bath. B. A. MacQuarrie. 2,520,160, Aug. 29.
Clothesbasket, Folding. M. H. Jackson. 2,502,323, Mar. 28.
Clothesbrush. D. S. Frye. 2,526,468, Oct. 17.
Clothes clamp. G. C. Terry. 2,496,109, Jan. 31.
Clothes drier. R. E. Bruce. 2,510,547, June 6.
Clothes drier. L. T. Derr. 2,508,938, May 23.
Clothes drier. P. E. Geldhof and C. E. Morgenstern. 2,503,329, Apr. 11.
Clothes-drying apparatus, Rotary. F. La Piana. 2,512,496, June 20.
Clothes hanger. L. J. Bedford and E. A. Adams. 2,506,193, May 2.
Clothes hanger. E. R. Burpee. 2,516,297, July 25.
Clothes hanger. T. H. Riddell. 2,535,603, Dec. 26.
Clothes hanger. G. Roman. 2,530,207, Nov. 14.
Clothes hanger. F. Stein. 2,508,871, May 23.
Clothes hanger. M. C. Vollmer and W. Funke. 2,494,973, Jan. 17.
Clothes hanger. C. E. Wing. 2,514,820, July 11.
Clothesline. P. Cayo. 2,508,491, May 23.
Clothesline bracket. H. Carwithen. 2,517,533, Aug. 8.
Clothesline for windows, Circular. S. Zingman and J. Krinisck. 2,498,518, Feb. 21.
Clothesline hanger. R. R. Adams and R. L. Henry. 2,493,331, Jan. 3.
Clothesline hanger. E. L. Fink. 2,519,830, Aug. 22.
Clothesline hanger bracket. J. Grosser. 2,518,774, Aug. 15.
Clothesline laundry protector. J. Masleck. 2,503,345, Apr. 11.
Clothesline, Pinless. C. P. Fredrick. 2,505,890, May 2.
Clothesline, Pinless. W. I. Ruyle. 2,520,511, Aug. 29.
Clothesline reel. F. M. Allen. 2,508,809, May 23.
Clothesline reel. J. T. Atwood and A. Johnson. 2,523,268, Sept. 26.
Clothesline reel. L. R. White. 2,499,123, Feb. 28.
Clothesline structure. E. A. Bumbera and C. S. Herr, Jr. 2,530,324, Nov. 14.
Clothesline support. J. L. Brenner. 2,528,483, Nov. 7.
Clothesline support. N. H. Eastman. 2,511,052, June 13.
Clothesline support. P. M. Keane. 2,518,792, Aug. 15.
Clothesline support. L. Solomon. 2,512,977, June 27.
Clothesline tightener. H. W. Mock. 2,519,921, Aug. 22.
Clothesline tightener, Adjustable. L. E. Trees. 2,525,382, Oct. 10.
Clothesline washer. J. J. Kubiak. 2,535,428, Dec. 26.
Clothespin. O. H. Cold. 2,527,674, Oct. 31.
Clothespin. N. H. Curtis. 2,526,810, Oct. 24.
Clothespin. A. J. Gordos and M. B. Gordos. 2,494,613, Jan. 17.
Clothespin. A. E. Gorny. 2,508,785, May 23.
Clothespin. R. A. Harris. 2,500,677, Mar. 14.
Clothespin. W. E. Herndon. 2,514,951, July 11.
Clothespin. J. A. Herrero. 2,514,698, July 11.
Clothespin. L. Marini. 2,499,517, Mar. 7.
Clothespin. A. C. McKinney. 2,493,305, Jan. 3.
Clothespin. M. O. Nelsen. 2,532,674, Dec. 5.
Clothespin. A. C. Orr. 2,509,312, May 30.
Clothespin. W. C. Renne. 2,493,503, Jan. 3.
Clothespin. J. M. Rodriguez. 2,523,780, Sept. 26.
Clothespin. H. R. F. Stender. 2,508,628, May 23.
Clothespin. J. D. Tinsley. 2,508,307, May 16.
Clothespin. E. B. Wernette. 2,519,987, Aug. 22.
Clothespin. A. E. Wiegart. 2,530,277, Nov. 14.
Clothespin. S. J. Wilder. 2,513,981, July 4.
Clothespin and line, Safety. J. Levine. 2,535,640, Dec. 26.
Clothespin container. E. L. Kiser. 2,524,352, Oct. 3.
Clothespin container. L. E. Pastorius, III. 2,520,054, Aug. 22.
Clothespin-receptacle suspension. F. S. Kralovic. 2,531,058, Nov. 21.
Clothespin, Wire. C. S. Read. 2,519,398, Aug. 22.
Clothespin, Wire. S. Tarallo. 2,513,759, July 4.
Clothes supporting rack. J. B. Schuyler. 2,526,285, Oct. 17.
Clothes-washing machine. H. D. Brotman. 2,526,002, Oct. 17.
Clothes washing machine. J. A. Castricone. 2,535,390, Dec. 26.
Clothes-washing machine. R. W. Knapp. 2,502,965, Apr. 4.
Clothes-washing machine. H. Lundell. 2,514,712, July 11.
Clothes-washing machine. L. W. Ryder. 2,506,280, May 2.
Clothes-washing machine and automatic fluid operated control device therefor. H. C. Ellis. 2,504,013, Apr. 11.
Cloud point indicator. L. Clardy. 2,498,941, Feb. 28.
Clover seed cleaning mill. O. L. Harrison and J. Hart. 2,535,851, Dec. 26.
Cluster tooth cutter. H. B. Woods and F. L. Scott. 2,533,259, Dec. 12.
Clutch: *See*—
Acceleration clutch.
Air-cooled friction clutch.
Automatic clutch.
Axially engaging air operated clutch.
Axially engaging opposed clutch.
Axially engaging positive clutch.
Axially movable piston type hydraulic clutch.
Balanced fluid clutch.
Band type clutch.
Belt-elevator overload throwout clutch.
Bobbin clutch.
Cam action wringer clutch.
Cam operated clutch.
Centrifugal clutch.
Centrifugal mercury clutch.
Dual lever friction clutch.
Electric operated clutch.
Electromagnetic clutch.
Electromagnetically controlled friction clutch.
Electromagnetically operated coil clutch.
Fluid pressure operated clutch.
Friction clutch.
Gear type fluid clutch.
Gear type variable-speed hydraulic clutch.

Clutch: *See*—Continued.
Hydraulic clutch.
Hydraulic motor operated clutch.
Hydraulic vane type clutch
Induction clutch.
Latch operated clutch.
Limited movement clutch.
Lubricated friction clutch.
Magnetic clutch.
Motorcar electromagnetic clutch.
Multiple disk type clutch.
Overload release clutch.
Overrunning clutch.
Power lift clutch.
Roller type friction clutch.
Roller type overrunning clutch.
Screw operated clutch.
Sprag type overrunning clutch.
Synchronized and adjustable safety clutch.
Thermally actuated friction clutch.
Transversely engaging positive clutch.
Vane type hydraulic clutch.
Variable speed hydraulic clutch.

Clutch. G. S. Beckman. 2,514,175, July 4.
Clutch. G. A. Collender. 2,515,986, July 18.
Clutch. L. E. La Brie. 2,493,721, Jan. 1.
Clutch. L. E. La Brie. 2,534,033–4, Dec. 12.
Clutch. J. E. Leininger and C. L. Seaton. 2,533,480, Dec. 12.
Clutch. J. G. Ogden. 2,501,648, Mar. 21.
Clutch. M. H. Wolff. 2,508,558, May 23.
Clutch actuating mechanism. A. H. Havir. 2,506,452, May 2.
Clutch actuator, Hydraulic. G. E. Hague. 2,525,220, Oct. 10.
Clutch and brake, Belt-driven pulley. V. H. Hasselquist. 2,521,163, Sept. 5.
Clutch and brake control for automotive vehicles. S. G. Ghurye. 2,534,435, Dec. 19.
Clutch and brake control for shoe stitchers. W. Pearson. 2,494,452, Jan. 10.
Clutch and brake device for winch drums and the like. H. A. and G. H. Wagner. 2,501,198, Mar. 21.
Clutch and brake for hoists. E. E. Robins and H. F. Parker. 2,501,096, Mar. 21.
Clutch and brake for hydraulic cable control. J. W. Bridwell, J. E. Jass, and W. H. Wood. 2,522,089, Sept. 12.
Clutch and brake for selector for automatic telecommunication equipment. G. D. Olsson and N. F. Björkman. 2,519,695, Aug. 22.
Clutch and brake mechanism. C. H. Hook. 2,499,954, Mar. 7.
Clutch and brake mechanism. G. Minkowitz. 2,493,894, Jan. 10.
Clutch and brake mechanism. C. C. Stevens. 2,518,833, Aug. 15.
Clutch and brake mechanism. J. N. Weiland. 2,532,381, Dec. 5.
Clutch and brake mechanism, Combined. E. E. Davis. 2,515,295, July 18.
Clutch and brake mechanism, Electric. F. W. Seybold. 2,521,486, Sept. 5.
Clutch and brake mechanism, Fluid actuated. J. N. Weiland. 2,527,865, Oct. 31.
Clutch and brake mechanism, Fluid actuated. J. N. Weiland. 2,529,121, Nov. 7.
Clutch and brake mechanism for cathead assembly. B. F. Kelley. 2,522,377, Sept. 12.
Clutch and brake mechanism for fishing reels. L. E. Butzman, Sr. 2,531,610, Nov. 28.
Clutch and brake mechanism for ornamenting machines. J. G. Herbers. 2,496,793, Feb. 7.
Clutch and brake mechanism for presses. T. L. May. 2,493,495, Jan. 3.
Clutch and brake mechanism for sewing machines. L. A. Marantz. 2,501,183, Mar. 21.
Clutch and brake mechanism, Hydraulically actuated. M. M. Coker. 2,526,935, Oct. 24.
Clutch and brake unit for winding reels, Hydraulically operated. H. W. Rockwell. 2,506,842, May 9.
Clutch and clutch shaft brake. C. B. Spase. 2,511,133, June 13.
Clutch and control mechanism therefor. L. J. Andres. 2,532,266, Nov. 28.
Clutch and drive mechanism for ironing machines. W. C. Erler. 2,529,247, Nov. 7.
Clutch and hydraulic torque converter transmission unit, Combined hydraulic. B. Bannister. 2,502,364, Mar. 28.
Clutch and locking device therefor. C. S. Crafts. 2,493,059, Jan. 3.
Clutch and oil seal therefor, Starter. C. R. Cheraso and F. A. Frampton. 2,513,917, July 4.
Clutch and/or brake control, Vacuum-actuated. T. M. Robertson. 2,532,194, Nov. 28.
Clutch and pinion unit, Overrunning. H. D. Johnston. 2,528,148, Oct. 31.
Clutch bearing lubrication. D. W. Erskine. 2,533,568, Dec. 12.
Clutch construction, Steering column gearshift. M. Jovanovich and J. J. Wharam. 2,532,170, Nov. 28.
Clutch control. A. W. Ofeldt. 2,530,904, Nov. 21.
Clutch control, Centrifugal. A. Pitt. 2,521,943, Sept. 12.
Clutch control means. H. Gang. 2,514,754, July 11.
Clutch control means for coaster brakes, Magnetic. T. K. Crossland. 2,528,039, Oct. 31.
Clutch control mechanism. H. F. Foley and S. G. Johnson. 2,527,805, Oct. 31.
Clutch control mechanism. E. E. Hupp. 2,520,721, Aug. 29.
Clutch control mechanism. H. W. Price. 2,511,373, June 13.
Clutch control mechanism. H. W. Price. 2,517,025, Aug. 1.
Clutch control mechanism. T. H. Thomas. 2,510,042, May 30.
Clutch control mechanism. T. H. Thomas. 2,531,710–11, Nov. 28.
Clutch device. F. E. Miner. 2,506,935, May 9.
Clutch disk separator. J. M. Davies, K. J. Mogk, and R. C. Williams. 2,523,501, Sept. 26.
Clutch drive. B. B. Korn. 2,517,887, Aug. 8.
Clutch for disks of remote-control systems. R. V. Lindner and R. B. Edwards. 2,522,881, Sept. 19.
Clutch for electric food mixers or the like, Cam operated. R. S. and I. D. Wallach. 2,517,744, Aug. 8.
Clutch for lawn mower reels. E. L. Schofield. 2,505,794, May 2.
Clutch for motor bicycles, Automatic. G. J. Cunningham. 2,529,919, Nov. 14.
Clutch for parachutes and the like, Automatic load releasing. W. A. Heidman and W. A. Heidman, Jr. 2,521,516, Sept. 5.
Clutch for punch presses and the like. M. Graves. 2,494,702, Jan. 17.
Clutch for speed change systems, Synchronizing. R. S. Taylor. 2,498,464, Feb. 21.
Clutch for surgical tables and the like. H. R. Shampaine. 2,501,415, Mar. 21.
Clutch for tool drivers, Friction and positive. J. A. Dorner. 2,513,460, July 4.
Clutch for tractor drawn forage cutters and blowers, Overrunning. C. W. Hansen. 2,504,328, Apr. 18.
Clutch for tractor mounted hayrakes. J. B. Phillips. 2,535,812, Dec. 26.
Clutch-head torque indicating wrench. R. A. Johnson. 2,529,947, Nov. 14.
Clutch mechanism. W. B. Engler. 2,531,771, Nov. 28.
Clutch mechanism. A. Rafter. 2,520,013, Aug. 22.
Clutch mechanism. W. Van Benshoten. 2,522,974, Sept. 19.
Clutch mechanism, Centrifugal. F. F. Kishline. 2,515,011, July 11.
Clutch mechanism for fishing reels. J. W. Wheat. 2,510,447, June 6.
Clutch mechanism for mechanical pencils. M. S. Baker and R. W. Randolph. 2,528,328, Oct. 31.
Clutch mechanism for oscillating fans. C. W. Preston. 2,517,415, Aug. 1.
Clutch mechanism for sewing machines. E. Schoij. 2,494,006, Jan. 10.
Clutch mechanism for spring wound motors. M. Heller. 2,535,415, Dec. 26.
Clutch mechanism, Pneumatic. L. O. McLean. 2,512,360, June 20.
Clutch mechanism, Positive. A. B. Gilbert. 2,529,492, Nov. 14.
Clutch mechanism, Reverse. B. E. Hill. 2,528,057, Oct. 31.
Clutch mechanism, Speed responsive. A. Y. Dodge. 2,496,201, Jan. 31.
Clutch plate. D. Kelleher. 2,502,653, Apr. 4.
Clutch plate. H. V. Reed. 2,534,991, Dec. 19.
Clutch plate. W. V. Thelander. 2,520,180, Aug. 29.
Clutch plate. G. M. Waller. 2,521,138, Sept. 5.
Clutch plate. E. E. Wemp. 2,520,350, Aug. 29.
Clutch plate, Friction. W. V. Thelander. 2,524,146–7, Oct. 3.
Clutch release attachment. S. Skarphol. 2,506,899, May 9.
Clutch release means, Overrunning. E. W. Zingsheim. 2,504,481, Apr. 18.
Clutch rings, Multiple individual screw shift. R. Chilton. 2,515,114, July 11.
Clutch shifter. J. W. Jacoby. 2,510,697, June 6.
Clutch shifter, Power. H. E. Davidson. 2,521,779, Sept. 12.
Clutch spring. W. C. Starkey and H. L. McCormick. 2,521,670, Sept. 5.
Clutch spring anchorage. C. P. Pepper. 2,533,952, Dec. 12.
Clutch starter. M. W. Lewis. 2,524,452, Oct. 3.
Clutch structure for spinner type washing machines. T. T. Woodson. 2,527,238, Oct. 24.
Clutch structure, Mechanical radially expanding. J. J. Umphrey. 2,507,553, May 16.
Clutch tap and die holder. A. A. Spisak. 2,512,780, June 27.
Clutch unit, Friction. J. L. Grundon. 2,530,460, Nov. 21.
Clutch with equalizing means, Interior radially expanding. A. F. Berger. 2,493,744, Jan. 10.
Coach, baby walker, and parcel carrier, Combined baby. J. J. Geiger. 2,505,323, Apr. 25.
Coagulant and clarifying turbid water therewith. R. R. Magill. 2,534,284, Dec. 19.
Coagulating a latex of a sulfur dioxide resin. W. W. Crouch and L. D. Jurrens. 2,531,403, Nov. 28.
Coagulating emulsion polymerizates. F. W. Breuer. 2,527,525, Oct. 31.
Coagulation of nonelastic polymers. E. K. Morris. 2,530,362, Nov. 14.

Coagulation of synthetic latex. W. F. Bixby. 2,510,370, June 6.
Coagulation process and apparatus. J. N. Street. 2,495,147, Jan. 17.
Coal heaver. H. C. Hill. 2,533,886, Dec. 12.
Coaster. O. A. Gaudino. 2,496,157, Jan. 31.
Coaster brake. T. K. Crossland. 2,493,227, Jan. 3.
Coaster brake. T. K. Crossland. 2,517,847, Aug. 8.
Coaster brake. H. K. Gleasman. 2,530,764, Nov. 21.
Coaster brake. E. E. Hood. 2,510,032, May 30.
Coaster with detachable ski runner. A. H. Normandin. 2,523,052, Sept. 19.
Coat. M. Paley. 2,507,575, May 16.
Coat and like garment for personal wear. E. Goldson. 2,507,405, May 9.
Coat and lining with sleeves adapted to be tightened about the wrists, Lady's. R. I. Merritt. 2,517,400, Aug. 1.
Coat and trouser hanger. J. M. Dinken. 2,494,648, Jan. 17.
Coat, Fur. M. Farber and A. Wiener. 2,500,351, Mar. 14.
Coat hanger. C. E. Melcher. 2,504,562, Apr. 18.
Coat hanger. H. M. Paulsen. 2,531,293, Nov. 21.
Coat hanger. H. K. Widmann. 2,513,980, July 4.
Coat, Outer. S. Summer. 2,498,347, Feb. 21.
Coat vent. W. J. Beckler. 2,527,671, Oct. 31.
Coated alkali containing solids and coating same, Protectively. O. F. Sprague. 2,532,201, Nov. 28.
Coated articles, Making flock. A. Selsky. 2,496,070, Jan. 31.
Coated fuel impregnated block. L. G. Schultz. 2,531,828, Nov. 28.
Coated metal container. J. C. Morrell. 2,517,226, Aug. 1.
Coated open-mesh vinylidene chloride fabric. W. W. Jackson and R. E. Porzer. 2,519,474, Aug. 22.
Coated wire screen cloth, Making. F. C. Elder. 2,533,439, Dec. 12.
Coating aluminum. M. H. Bruno and P. J. Hartsuch. 2,507,956, May 16.
Coating aluminum, Method of and composition for. F. P. Spruance, Jr. 2,494,910, Jan. 17.
Coating and impregnating composition. L. J. Jubanowsky. 2,494,559, Jan. 17.
Coating and impregnating compositions and articles produced from the same. J. A. Loritsch. 2,528,235, Oct. 31.
Coating and laminating apparatus. E. J. Carter. 2,525,863, Oct. 17.
Coating and pigment, Antifouling. D. S. Hubbell. 2,514,868, July 11.
Coating and sizing composition. C. R. Morison. 2,527,643, Oct. 31.
Coating apparatus, Electrostatic. E. P. Miller. 2,526,763, Oct. 24.
Coating apparatus for filter sections. J. M. Whelton and G. F. C. Burke. 2,517,746, Aug. 8.
Coating articles with molybdenum. C. C. Ma and M. W. Offinger. 2,512,141, June 20.
Coating cathode-ray tubes, Method and composition for. A. J. van Hoorn. 2,496,901, Feb. 7.
Coating color, Preparing. W. H. Barrett and E. Zimmerman. 2,526,598, Oct. 17.
Coating composition. D. F. Holloway and H. H. Young. 2,516,700, July 25.
Coating composition. B. O. Newman. 2,501,827, Mar. 28.
Coating composition and a wrapping sheet coated therewith, Nonblocking, heat-sealing ethyl cellulose. R. C. Ernst and W. B. Moore, Jr. 2,523,203, Sept. 19.
Coating composition and coated paper, Paper. H. C. N. Heckel. 2,498,207, Feb. 21.
Coating composition, Electrode. C. T. Gayley. 2,514,386, July 11.
Coating composition for metals. L. R. Whiting and P. F. Wangner, Jr. 2,525,107, Oct. 10.
Coating composition for molds. A. J. Napier and H. F. Lesso. 2,502,473, Apr. 4.
Coating composition, Hot melt. W. Horback. 2,510,177, June 6.
Coating composition, Hot-melt. A. E. Young and K. D. Bacon. 2,517,754, Aug. 8.
Coating composition, Metallized ceramic. L. A. Bain, Jr., and H. E. Malone. 2,506,130, May 2.
Coating composition of unsaturated alkyd resin. W. F. Brucksch, Jr. 2,505,347, Apr. 25.
Coating compositions. D. S. Breslow. 2,515,290, July 18.
Coating compositions. J. T. Thurston. 2,526,439, Oct. 17.
Coating compositions. G. K. Wheeler. 2,526,718, Oct. 24.
Coating compositions and making the same. R. Tutt, Jr., and J. R. Hubbard. 2,513,121, June 27.
Coating compositions, Cellulose nitrate. W. K. Moffett. 2,498,091, Feb. 21.
Coating compositions, Conductive. L. A. Bain, Jr. 2,530,217, Nov. 14.
Coating compositions containing liquid alkyl polysiloxane, Pigmented. C. M. Sage. 2,523,065, Sept. 19.
Coating compositions, films, and making same. D. E. Edgar and H. E. Winberg. 2,507,699, May 16.
Coating compositions for magnetic materials. G. W. Young. 2,493,609, Jan. 3.
Coating compositions, Hot melt. C. K. Bump and G. H. Bischoff. 2,527,793, Oct. 31.
Coating compositions, Insecticidal paper. G. W. Fiero, H. F. Seeland, and G. H. Batt. 2,534,008, Dec. 12.
Coating compositions, Liquid. E. L. Kropa and G. W. Barlow. 2,534,717, Dec. 19.
Coating compositions, Modified phenolic resin. J. S. Stanford and E. Perry. 2,516,351, July 25.
Coating compositions, Polyurethan. D. S. Breslow. 2,531,392, Nov. 28.
Coating compositions, Producing cathode. G. H. Bouchard. 2,535,999, Dec. 26.
Coating compositions, Protective. L. Aronberg. 2,507,239, May 9.
Coating compositions, Protective. S. I. Ford. 2,507,665, May 16.
Coating compositions, Protective. W. J. Sweeney. 2,522,469, Sept. 12.
Coating compositions, Smooth, mobile polyvinyl chloride. N. Armstrong. 2,507,688, May 16.
Coating containing rubber latex, Photosensitive. H. C. Staehle. 2,533,530, Dec. 12.
Coating copper, brass, terne-plate, magnesium, zinciferous and ferriferous metals. F. P. Spruance, Jr. and J. H. Thirsk. 2,494,909, Jan. 17.
Coating curved tubing. E. L. Mager. 2,512,866, June 27.
Coating device, Metal. C. Batcheller. 2,532,389, Dec. 5.
Coated electrical condenser. J. L. Reynolds. 2,512,874, June 27.
Coating ferriferous metals and zinciferous metals. F. P. Spruance, Jr. and J. H. Thirsk. 2,494,908, Jan. 17.
Coating ferrous metals with aluminum. C. G. Fink. 2,497,119, Feb. 14.
Coating for insulation boards. H. Z. Mohrer. 2,518,359, Aug. 8.
Coating fruits and vegetables. S. C. Rieke. 2,503,920, Apr. 11.
Coating machine, Candy. W. F. Murray. 2,504,037, Apr. 11.
Coating machine for sheets of material. H. W. Osgood, Jr., and A. Jones. 2,507,418, May 9.
Coating machine, Printing plate. C. Zarkin and B. R. Halpern. 2,519,809, Aug. 22.
Coating machine, Roller. R. Krasucki. 2,502,795, Apr. 4.
Coating magnesium and its alloys, Electrolytically. H. K. De Long. 2,512,563, June 20.
Coating magnesium and magnesium base alloys. N. H. Simpson and P. R. Cutter. 2,497,036, Feb. 7.
Coating magnetic materials. W. Morrill. 2,515,788, July 18.
Coating material containing ethyl cellulose, Fluorescent. E. C. Payne, M. L. Hayes, and K. Demb. 2,524,733, Oct. 3.
Coating material emulsions. L. Auer. 2,530,370, Nov. 21.
Coating materials, Preparing electron-emissive. E. F. Lowry and H. H. Homer. 2,531,339, Nov. 21.
Coating mechanism, Metal spray. J. H. Davis. 2,505,530, Apr. 25.
Coating metal surfaces. C. I. Spessard. 2,530,738, Nov. 21.
Coating metallic strands with a metal coating, Method of and apparatus for. K. G. Coburn. 2,526,731, Oct. 24.
Coating method and apparatus. W. P. Taylor. 2,534,321, Dec. 19.
Coating of foods with pectinate films. H. S. Owens and T. H. Schultz. 2,517,595, Aug. 8.
Coating of metal articles, Phosphate. H. G. Verner and L. S. Wood. 2,515,934, July 18.
Coating of metal surfaces. P. Amundsen. 2,514,149, July 4.
Coating of metals, Phosphate. S. R. Dodd and R. F. Ayres. 2,502,441, Apr. 4.
Coating of strip material, Method and apparatus for electrolytic. C. J. Klein. 2,509,304, May 30.
Coating on ferrous metals, Producing a corrosion inhibitive. H. R. Moore. 2,505,785, May 2.
Coating on glass, Conductive. M. J. Zunick. 2,516,663, July 25.
Coating on metals high in aluminum, Producing a phosphate. R. C. Gibson and W. S. Russell. 2,500,673, Mar. 14.
Coating paper. W. H. Barrett and B. K. Asdell. 2,532,140, Nov. 28.
Coating paper. W. H. Barrett and B. K. Asdell. 2,534,848, Dec. 19.
Coating paper. D. R. Erickson. 2,502,782, Apr. 4.
Coating paper. C. R. Outterson and B. A. Ford. 2,508,287, May 16.
Coating popcorn. T. D. Nairn. 2,518,247, Aug. 8.
Coating process. M. J. Borushko. 2,515,489, July 18.
Coating process. H. I. Schlesinger and G. W. Schaeffer. 2,528,454, Oct. 31.
Coating process and apparatus. E. S. Killian. 2,511,717, June 13.
Coating process, Thermite. S. B. Wiczer. 2,496,971, Feb. 7.
Coating roller adjusting mechanism. J. Kunicki. 2,520,768, Aug. 29.
Coating solution for plastic carriers, Diazotype. C. Botkin. 2,496,196, Jan. 31.
Coating with lightweight aggregates. A. S. Nichols, and R. A. Prosser. 2,495,540, Jan. 24.

Coating with organopolysiloxanes. E. L. Warwick. 2,494,920, Jan. 17.
Coating zinc base alloys. E. A. Kruszynski and B. F. Smith. 2,527,828, Oct. 31.
Coating zinc or cadmium to impart corrosion and abrasion resistance. C. W. Ostrander. 2,497,905, Feb. 21.
Coatings on aluminum and alloys thereof, Production of protective. C. L. Waring. 2,493,934, Jan. 10.
Coatings on aluminum, Forming oxide. R. B. Mason. 2,504,434, Apr. 18.
Coatings on metal surfaces, Preparing stable vinyl. E. C. Pfeffer, Jr. 2,529,414, Nov. 7.
Coatings on zinc, Producing surface conversion. J. E. Stareck. 2,499,231, Feb. 28.
Coatings, Producing spatter finish. H. B. Einbecker. 2,511,627, June 13.
Coatings, Protective. H. S. Beretvâs. 2,518,438, Aug. 15.
Coaxial line to wave guide coupler, Broad band. W. W. Munford. 2,527,146, Oct. 24.
Coaxial line to wave guide matching section. L. P. Hunter. 2,501,335, Mar. 21.
Coaxial switch. W. L. Davis. 2,509,217, May 30.
Coaxial-type filter. J. S. Foster, Jr. 2,521,843, Sept. 12.
Cobalt bis-(3-fluorosalicylaldehyde)-ethylenediimine and making same. M. Calvin. 2,493,654, Jan. 3.
Cobalt oxo catalyst, Reactivation of. M. 't Hart, H. Hoog, and K. A. Weeda. 2,529,236, Nov. 7.
Cobalt plating by chemical reduction. A. Brenner and G. E. Riddell. 2,532,284, Dec. 5.
Cobalt salicylaldehydeethylenediimine and production. M. Calvin and W. M. Latimer. 2,508,490, May 23.
Cobalt salt from arseniferous ores, Production of. J. C. Stahl and F. K. Shelton. 2,526,707, Oct. 24.
Cobodied drying oils. H. S. Bloch and A. E. Hoffman. 2,523,609, Sept. 26.
Coccidiosis control composition. E. Waletzky. 2,531,754, Nov. 28.
Cock or valve, Liquid. B. J. M. Jungerhans. 2,499,318, Feb. 28.
Cock, Plural-way. G. W. Wolcott. 2,506,534, May 2.
Cocoa extracts, Preparing. E. Palmer. 2,515,794, July 18.
Coconut chips and producing same, Toasted. T. B. O'Leary. 2,503,763, Apr. 11.
Coconut processing. E. F. Glabe. 2,502,516, Apr. 4.
Coconut product and method. W. F. Straub. 2,505,746, Apr. 25.
Code practicing device. T. L. Rousey. 2,509,170, May 23.
Code selector, Automatic. W. W. McGoffin. 2,514,889, July 11.
Code sender, Universal electronic. R. H. Dunn and P. G. Pearce. 2,502,443, Apr. 4.
Code signal discriminating device, Automatic. E. R. Shenk and J. C. Phelps. 2,534,388, Dec. 19.
Code system, Error detecting. L. M. Potts. 2,512,038, June 20.
Code translating mechanism. W. T. Gollwitzer. 2,513,998, July 4.
Code translator and printer control circuit. D. E. Branson, G. A. Locke, and T. A. Marshall. 2,510,061, June 6.
Coder and timed release telephone system, Automatic combined. W. T. Powell. 2,513,049, June 27.
Coder attachment, Label. F. C. Worth. 2,507,658, May 16.
Coding means and method. R. E. Gilman. 2,513,307, July 4.
Coding means for signaling systems, Electronic. C. Volz. 2,532,870, Dec. 5.
Coffee and making same, Canned liquid. J. H. Foulkes. 2,497,721, Feb. 14.
Coffee beverage, Preparing. C. N. Crossley and R. J. Gagan. 2,514,596, July 11.
Coffee extract, Making water-soluble. J. H. Schaeppi and W. Mosimann. 2,518,441, Aug. 15.
Coffee extract, Preparing. P. A. Bacot. 2,522,014, Sept. 12.
Coffee extract, Preparing dried. H. W. Schwarz, E. G. Hellier, and A. L. Schroeder. 2,504,735, Apr. 18.
Coffee extract, Process for the preparation of aromatic. H. Cohen. 2,494,928, Jan. 17.
Coffee extract, Producing a soluble aromatic. T. Holzer. 2,511,712, June 13.
Coffee extraction process. J. Ornfelt. 2,515,730, July 18.
Coffee filter. E. G. Ashcraft. 2,517,825, Aug. 8.
Coffee maker. E. W. Marquis. 2,511,929, June 20.
Coffee maker. R. L. Smith. 2,496,237, Jan. 31.
Coffee maker. R. L. Smith. 2,513,593, July 4.
Coffee maker. F. P. Strother. 2,507,283, May 9.
Coffee maker. J. Vinton. 2,535,378, Dec. 26.
Coffee maker, Automatic. A. C. Purpura. 2,504,728, Apr. 18.
Coffee maker, Automatically timed. N. B. Wales. 2,515,385, July 18.
Coffee maker, Rapid. J. Minerva and M. Lopez. 2,493,306, Jan. 3.
Coffee-making apparatus. V. R. Alexander. 2,498,386, Feb. 21.
Coffee-making apparatus. H. Kershaw and A. F. Pityo. 2,528,060, Oct. 31.
Coffee-making apparatus and automatic control means therefor. D. F. Swanson. 2,493,932, Jan. 10.
Coffee-making apparatus, Rotating. O. J. Alvarez. 2,517,073, Aug. 1.
Coffee, Packaged. L. H. Abrahams. 2,531,594, Nov. 28.
Coffee, Preparation of green. W. R. Johnston and H. E. Foote. 2,526,873, Oct. 24.
Coffee, Preparation of green. W. R. Johnston and G. W. Kirby. 2,526,872, Oct. 24.
Coil adapting means, Ignition. C. E. Adams. 2,507,747, May 16.
Coil arrangement, High-frequency. B. J. Lawrence. 2,535,686, Dec. 26.
Coil, Compensating. C. A. Atwell and R. H. Wagner. 2,530,932, Nov. 21.
Coil construction. N. McKinney. 2,531,916, Nov. 28.
Coil for dynamoelectric machines, Field. L. Greer. 2,517,105, Aug. 1.
Coil-handling apparatus. G. E. Bronson. 2,526,725, Oct. 24.
Coil, High-potential. R. B. Gethmann. 2,534,119, Dec. 12.
Coil, High-voltage inductance. S. Wald. 2,511,230, June 13.
Coil, Ignition. H. L. Hartzell. 2,512,796, June 27.
Coil, Inductance. S. Y. White. 2,509,049, May 23.
Coil, Induction. W. L. Carlson. 2,494,470, Jan. 10.
Coil, Induction heating. H. A. Strickland, Jr. 2,513,376, July 4.
Coil, Line choke. M. J. Brown. 2,515,983–4, July 18.
Coil opening apparatus. P. P. Appleby. 2,525,254, Oct. 10.
Coil retaining means. W. H. Pettit. 2,513,965, July 4.
Coil shielding means. A. P. Buffington. 2,515,333, July 18.
Coil spacer and terminal board for dry type transformers, Combined. L. C. Whitman. 2,527,236, Oct. 24.
Coil support. D. Boterweg. 2,497,204, Feb. 14.
Coil support for electrical measuring instruments. A. H. Wolferz. 2,510,733, June 6.
Coil tail pulling apparatus. O. H. McCleary. 2,494,399. Jan. 10.
Coil unreeling apparatus. E. J. Ligler. 2,506,880–1, May 9.
Coil, Variable spiral inductance. H. Ginsburg. 2,503,582, Apr. 11.
Coil-winding head. N. E. Moore and G. R. Gillgrass. 2,514,251, July 4.
Coil-winding machine, Universal. C. D. Richard. 2,533,506, Dec. 12.
Coiling device. T. Benson. 2,527,518, Oct. 31.
Coiling machine. R. L. Stevens. 2,527,662, Oct. 31.
Coiling tubing. M. T. Cahenzli, Jr. 2,525,093, Oct. 10.
Coils, Making electrical. P. A. D'Orio. 2,505,104, Apr. 25.
Coils, Making electronic. R. P. Lokker and F. Verano. 2,506,604, May 9.
Coin actuated clockless parking meter. H. P. Compton. 2,509,480, May 30.
Coin collecting and registering apparatus. G. M. Wilcox and W. S. Johnson. 2,533,654, Dec. 12.
Coin collector apparatus. G. M. Wilcox. 2,532,978, Dec. 5.
Coin control device. C. J. Hull. 2,519,046, Aug. 15.
Coin control device for telephone coin collectors. A. Carson and K. M. Gassman. 2,509,477, May 30.
Coin control means for beverage vending machines. R. D. Walters. 2,512,573, June 20.
Coin controlled device. L. A. Thatcher. 2,499,121, Feb. 28.
Coin controlled dispenser. R. R. Quintrell. 2,499,969, Mar. 7.
Coin-controlled easy chair. L. Stacy and R. E. Holbrook. 2,517,048, Aug. 1.
Coin controlled game table. L. Babits, B. Fishman, and S. Pagenkopf. 2,499,559, Mar. 7.
Coin-controlled garment checking cabinet. E. W. Davis. 2,513,150, June 27.
Coin inserter for cigarette packages. J. F. Tuohy. 2,502,186, Mar. 28.
Coin rolling machine, Convertible. M. E. Schneider. 2,533,144, Dec. 5.
Coin selector. W. J. Summers. 2,532,205, Nov. 28.
Coin separator. W. W. Bowman. 2,527,174, Oct. 24.
Coin separator. R. M. Foushee. 2,502,212, Mar. 28.
Coin separator. J. Gottfried and B. Fry. 2,503,232, Apr. 4.
Coin singling and sorting device. F. F. Daugherty. 2,519,357, Aug. 22.
Coin stacking and packaging device. D. I. Block. 2,523,089, Sept. 19.
Coin trick apparatus. F. Renz. 2,498,298, Feb. 21.
Coin-wrapping device and means. W. G. Newby, Sr. 2,515,312, July 18.
Coincidence circuit. E. W. Titterton. 2,535,377, Dec. 26.
Coincidence proportional counter. J. H. Manley. 2,531,144, Nov. 21.
Coke and gaseous unsaturated hydrocarbons and apparatus therefor, Simultaneous production of. A. H. Schutte. 2,526,696, Oct. 24.
Coke oven with horizontal regenerators. G. Padgett. 2,501,786, Mar. 28.
Coking expanding coals. M. Perch. 2,504,150, Apr. 18.
Coking process. A. R. Powell. 2,495,763, Jan. 31.
Cold cathode gas tube counting circuit. C. J. Craft, 3rd. 2,534,856, Dec. 19.
Cold cathode gas tube trigger pulse circuit. C. J. Craft, 3rd. 2,504,963, Apr. 25.

Cold element for demountable refrigerators. W. L. Morrison. 2,509,779, May 30.
Cold punching metal parts. R. J. Freter. 2,522,440, Sept. 12.
Cold treating method and apparatus. P. M. Ahlstrand. 2,534,334, Dec. 19.
Cold wave permanent cap. J. E. Beguhn. 2,522,251, Sept. 12.
Cold waving process. W. B. Semco. 2,529,886, Nov. 14.
Cold-working lubricant and lubricating metal surfaces therewith. A. G. Rocchini and R. J. Neely. 2,529,191, Nov. 7.
Collapsible auxiliary seat. M. H. Davis. 2,497,658, Feb. 14.
Collapsible beach fisherman's chair. W. E. Pharo. 2,493,084, Jan. 3.
Collapsible bottle carrier. R. E. Fowler. 2,508,062, May 16.
Collapsible box. F. Blair. 2,534,402, Dec. 19.
Collapsible box. W. J. Buerger. 2,513,079, June 27.
Collapsible box. A. J. Foord. 2,520,277, Aug. 29.
Collapsible carrier. H. G. Watson. 2,517,065, Aug. 1.
Collapsible Christmas tree stand. L. D. Swearingen. 2,500,215, Mar. 14.
Collapsible coat hanger. A. S. Martin. 2,500,423, Mar. 14.
Collapsible container. V. H. Hasselquist. 2,529,872, Nov. 14.
Collapsible container. M. Sloane. 2,529,267, Nov. 7.
Collapsible convertible rocking chair. C. Kreutzer. 2,507,165, May 9.
Collapsible floral rack. C. O. Gipson. 2,493,810, Jan. 10.
Collapsible flower stand. R. D. Strople and H. E. Josephson. 2,504,902, Apr. 18.
Collapsible fuel tank. M. M. Cunningham and G. P. McDowell. 2,508,906, May 23.
Collapsible hat holder. M. Jacobson. 2,535,136, Dec. 26.
Collapsible music stand. F. C. V. Barbara. 2,507,620, May 16.
Collapsible reel. J. M. Murray. 2,535,693, Dec. 26.
Collapsible safety gate. N. R. Guilbert, Jr. 2,493,815, Jan. 10.
Collapsible screen. H. L. Halter. 2,499,859, Mar. 7.
Collapsible shopping bag. I. D. and L. O. Taber and K. F. Spalding. 2,505,440, Apr. 25.
Collapsible structure. M. and J. Hurwitz. 2,523,533, Sept. 26.
Collapsible suit and trouser hanger. M. W. Boyd. 2,503,321, Apr. 11.
Collapsible table. M. Spiegel and H. Horowitz. 2,508,627, May 23.
Collapsible trailer frame. E. G. Anderson. 2,509,794, May 30.
Collapsible tube cap. L. Bergeron. 2,511,038, June 13.
Collapsible tube holder. E. C. Loesser. 2,508,722, May 23.
Collapsible wheel chair. D. C. Travis. 2,522,729, Sept. 19.
Collapsible yarn reel. F. Schoditsch. 2,517,723, Aug. 8.
Collar apparatus for cementing casings in wells. F. H. Lee. 2,531,943, Nov. 28.
Collar attachment. J. W. and A. J. Less. 2,505,679, Apr. 25.
Collar can collar. J. Henchert. 2,517,310, Aug. 1.
Collar display holder. M. Wald, J. Brooks, and J. Leaman. 2,495,153, Jan. 17.
Collar for apparel, Double. A. Wetzler. 2,516,607, July 25.
Collar for hanging flower pots. R. M. Fracchia. 2,530,456, Nov. 21.
Collar for sweaters. L. C. Lerner. 2,525,692, Oct. 10.
Collar forming apparatus. R. E. Campbell. 2,524,253, Oct. 3.
Collar, Garment. R. J. Hall. 2,526,024, Oct. 17.
Collar, Roll. J. V. Cohn. 2,500,910–11, Mar. 14.
Collar shaping means. M. M. Newman. 2,503,966, Apr. 11.
Collar, Spacing. R. N. Gardner. 2,494,995, Jan. 17.
Collar support. J. A. Fine, Sr. 2,518,300, Aug. 8.
Collar support. A. S. Steinman. 2,494,675, Jan. 17.
Collarette fabric. C. R. Anderson. 2,511,685, June 13.
Collating board. R. T. Pool. 2,520,854, Aug. 29.
Collator. A. V. von Haase. 2,505,925, May 2.
Collecting and dumping assembly. R. F. Volk. 2,504,476, Apr. 18.
Collecting electrical energy of nuclear reactions. E. G. Linder. 2,517,120, Aug. 1.
Collecting gases in aluminum furnaces. R. Jouannet. 2,526,875, Oct. 24.
Collection and removal of mine gas. F. A. Howard. 2,508,949, May 23.
Collection apparatus, Load limiting. L. C. Smith and W. V. Paine. 2,496,180, Jan. 31.
Collection of artificial yarn on ring spindles. S. W. Barker. 2,530,146, Nov. 14.
Collector and cone insulator therefor, Current. G. H. Fletcher. 2,501,502, Mar. 21.
Collector assembly, Trolley. H. L. Myers. 2,503,588, Apr. 11.
Collector, Automatic sample. P. H. Bell. 2,493,382, Jan. 3.
Collector for open topped refrigerators, Frost. G. M. Hawley. 2,500,679, Mar. 14.
Collet and chuck jaws. C. H. Vidal. 2,535,105, Dec. 26.
Collet, Centrifugal expanding. E. W. Keeney. 2,519,139, Aug. 15.
Collet chuck. J. J. Grivna. 2,502,216, Mar. 28.
Collet, Feed. I. H. Sheffer. 2,521,099, Sept. 5.
Collet, Front loading. A. A. Parigian. 2,535,951, Dec. 26.
Collet, Hairspring. F. Marti. 2,529,807, Nov. 14.
Collet operating mechanism. C. H. Mould. 2,502,981, Apr. 4.
Collet stop. C. Haley and H. A. Lundy. 2,502,719, Apr. 4.
Collet stop, Adjustable. C. G. Bergmann. 2,515,289, July 18.
Collet with work grippers. F. F. Milligan. 2,534,616, Dec. 19.
Collocating device for tools. A. Werner and J. Kiss, Jr. 2,500,224, Mar. 14.
Colloidal-mill. T. P. Shaw. 2,513,752, July 4.
Colloidal silica solutions, Preparing. P. Robey. 2,524,358, Oct. 3.
Colloidal silicate emulsifying composition. W. K. Feustel and F. E. Hutchins. 2,523,204, Sept. 19.
Color and viscosity of lubricating oils. P. H. Carnell. 2,526,931, Oct. 24.
Color cinematography. W. Millais. 2,530,023, Nov. 14.
Color control system for image projectors. C. A. Birchfield. 2,519,428, Aug. 22.
Color-correcting titania-bearing porcelain enamels. D. R. Goetchius and E. J. Kelly. 2,514,855, July 11.
Color device for utilizing control signals. C. E. Huffman. 2,530,431, Nov. 21.
Color effects in fabrics, and the fabric, Producing differential. C. Dreyfus and A. Schwartz. 2,507,561, May 16.
Color exhibiting device, Changeable. W. A. Walker. 2,521,028, Sept. 5.
Color film for normally invisible radiations. S. T. Gross. 2,509,766, May 30.
Color filter. E. J. Ambrose, D. J. Pacey, and J. G. Salmon. 2,534,846, Dec. 19.
Color formers of the benzimidazole class, Yellow diffusion-fast. W. C. Craig. 2,500,487, Mar. 14.
Color formers, Phenolic. H. T. Thompson. 2,498,466, Feb. 21.
Color formers, Polymeric. D. M. McQueen. 2,513,190, June 27.
Color prints from color transparencies, Making. L. W. Smith. 2,529,975, Nov. 14.
Color process involving change in isoelectric point of gelatin. D. Dean and R. C. Houck. 2,529,922, Nov. 14.
Color stabilized rosin size. E. N. Poor and C. G. Landes. 2,502,884, Apr. 4.
Color television. T. W. Chew. 2,529,485, Nov. 14.
Color television apparatus. H. J. Murray. 2,531,823, Nov. 28.
Color television receiving apparatus. A. H. Rosenthal. 2,513,520, July 4.
Color television system. A. N. Goldsmith. 2,531,508, Nov. 28.
Coloration of fresh citrus fruits. C. E. Gericke. 2,503,664–5, Apr. 11.
Coloration of textile fabrics. J. A. Radley. 2,506,892, May 9.
Colored metallo-α-oximino ketone complex images, Preparation of. D. E. Sargent. 2,533,181–2, Dec. 5.
Colored mirror. W. H. Colbert and W. L. Morgan. 2,519,547, Aug. 22.
Colorimeter, Photoelectric. G. C. Eltenton and M. B. Fallgatter. 2,501,599, Mar. 21.
Coloring aqueous emulsions of resins. H. F. Park and F. J. Pokigo. 2,520,429, Aug. 29.
Coloring citrus fruit. R. D. Gerwe and J. M. Fiske. 2,507,438, May 9.
Coloring glass. M. M. Peterson. 2,498,003, Feb. 21.
Coloring material for lubricating oils. E. P. Zehner and O. D. Hunn. 2,519,868, Aug. 22.
Coloring materials, Fluorescent. J. A. C. Yule. 2,503,790, Apr. 11.
Coloring materials, Heterocyclic fluorescent. J. L. Switzer and R. A. Ward. 2,495,202, Jan. 17.
Coloring method for plastics. H. M. Collins. 2,497,346, Feb. 14.
Coloring plastic surfaces. M. S. Jenner. 2,527,010, Oct. 24.
Coloring stainless steel. R. L. Hornak and J. J. Halbig. 2,521,580, Sept. 5.
Coloring walnut sapwood using hydroquinone. E. Farber. 2,517,296, Aug. 2.
Colostomy appliance. J. H. Jolly. 2,516,391, July 25.
Colostomy bag. N. H. Mette. 2,527,321, Oct. 24.
Colostomy control device. C. F. Surface. 2,510,766, June 6.
Colostomy device. M. H. Lay. 2,503,056, Apr. 4.
Colostomy device. M. Perry. 2,504,872, Apr. 18.
Colostomy ring. H. N. Edwards. 2,505,664, Apr. 25.
Colostomy stool dispenser. J. J. Nothdurft. 2,502,742, Apr. 4.
Colter mounting. J. E. Lyle. 2,496,481, Feb. 7.
Column selecting means for card-sorting machines. K. J. Braun. 2,535,779, Dec. 26.
Column spring snap switch. D. L. Clark and J. F. Young. 2,501,497, Mar. 21.

Column spring switch. D. L. Clark and J. F. Young. 2,512,306, June 20.
Comb. G. F. Benco. 2,524,038, Oct. 3.
Comb. L. J. Biel. 2,494,685, Jan. 17.
Comb. S. I. Davitcho. 2,497,209, Feb. 14.
Comb. A. J. Fabis. 2,497,983, Feb. 21.
Comb. I. E. Hertz. 2,530,612, Nov. 21.
Comb. B. M. Schweizer. 2,515,967, July 18.
Comb. S. L. Treloar and J. G. Innes. 2,535,612, Dec. 26.
Comb and brush combination. F. L. Twitty. 2,531,239, Nov. 21.
Comb and container, Combination. B. S. Renfrew. 2,496,311, Feb. 7.
Comb and hairbrush, Combination. L. L. Love. 2,532,505, Dec. 5.
Comb and nail file combination. W. D. Hooper. 2,504,688, Apr. 18.
Comb and nail file, Combined. A. H. Stange. 2,502,899, Apr. 4.
Comb-barrette. H. Moses. 2,496,487, Feb. 7.
Comb for applying flea exterminating powder. J. Hazza and S. Marcus. 2,513,865, July 4.
Comb, Fountain curl. J. L. Bly and L. C. Ditmore. 2,528,108, Oct. 31.
Comb, Hair. N. T. Baldanza. 2,508,363, May 23.
Comb, Hair. V. Isbell. 2,535,797, Dec. 26.
Comb, Hair. K. G. Sonntag. 2,513,897, July 4.
Comb, Haircutting. R. P. M. Davis. 2,519,954, Aug. 22.
Comb, Hair-retaining. J. Goodman. 2,506,297, May 2.
Comb, Melody. T. R. Duncan. 2,504,666, Apr. 18.
Comb mounting means for hair clippers. A. Giorgi. 2,517,999, Aug. 8.
Comb, Musical. F. Gretsch, Jr. 2,531,212, Nov. 21.
Comb, Teeth-locking. J. Taren and A. Leon. 2,533,067, Dec. 5.
Comb with interchangeable teeth. F. Price. 2,515,094, July 11.
Combination article carrier. C. H. Brinton. 2,521,037, Sept. 5.
Combination chain saw servicing tool. J. Wolf. 2,529,646, Nov. 14.
Combination connector. M. J. Cafiero. 2,499,985, Mar. 7.
Combination contact plug. H. Weber. 2,535,002, Dec. 19.
Combination crib sheet and mattress protector. J. B. Block, D. B. Sher and H. G. Block. 2,516,363, July 25.
Combination door. B. Hansen. 2,511,108, June 13.
Combination full flow and by-pass filter. F. L. Townsend. 2,507,125, May 9.
Combination hand tool. G. A. Cagle. 2,501,757, Mar. 28.
Combination high chair. H. B. Kauffman. 2,494,045, Jan. 10.
Combination lamp and display stand. F. P. Ford. 2,521,355, Sept. 5.
Combination lock. A. A. MacMillan. 2,512,028, June 20.
Combination lock. A. Mass. 2,497,619, Feb. 14.
Combination lock. R. S. and I. D. Wallach. 2,529,119, Nov. 7.
Combination oil and gas burner. P. L. Knight. 2,518,025, Aug. 8.
Combination pouch shopping bag. S. L. Pincus. 2,493,085, Jan. 3.
Combination process for the hydrogenation of carbon monoxide and the production of ammonia. L. C. Kemp, Jr. 2,494,561, Jan. 17.
Combination radiation and convection room heater. A. F. Wedderspoon. 2,510,029, May 30.
Combination siding, wrecking, and nail extracting tool. W. D. Lawellin. 2,525,226, Oct. 10.
Combination sleeve and ball joint. M. T. Forker, Jr. 2,521,001, Sept. 5.
Combination stand. E. W. Mallory. 2,498,563, Feb. 21.
Combination syringe handle. A. Ward. 2,528,095, Oct. 31.
Combination valve. J. K. Smith. 2,522,406, Sept. 12.
Combination volumetric burette. S. B. Wiczer. 2,510,159, June 6.
Combination well tool. M. A. Ryan. 2,501,411, Mar. 21.
Combination wire-stretching tool. R. De Armond. 2,501,500, Mar. 21.
Combine header carrier. H. L. Hartling. 2,515,556, July 18.
Combine pickup cleaner. H. and F. Lorenz. 2,501,906, Mar. 28.
Combine, Tractor mounted. S. C. Heth. 2,507,669, May 16.
Combined arch and sole footpad. M. F. Lee. 2,504,704, Apr. 18.
Combined bread and cutlery cabinet. E. Klein. 2,523,121, Sept. 19.
Combined camera, light meter, and accessory case. J. A. Hill. 2,503,485, Apr. 11.
Combined cigarette and match case. K. H. Henson. 2,506,832, May 9.
Combined forced draft and convection air flow space heater. K. S. Jenson. 2,499,067, Feb. 28.
Combined front and side shackle block. P. V. H. Serrell. 2,517,249, Aug. 1.
Combined hook and snap fastener. A. S. and J. A. Burk. 2,528,854, Nov. 7.
Combined igniting and fuel feed control mechanism for a thrust unit. R. H. Goddard. 2,518,882, Aug. 15.
Combined ignition and starter switch. P. H. Childress. 2,529,916, Nov. 14.
Combined ignition and starter switch. W. A. Heidman, Jr. 2,520,363, Aug. 29.
Combined ignition and starter switch. P. L. Riggs. 2,517,506, Aug. 1.
Combined pen and pencil holder. J. J. Kennedy. 2,529,657, Nov. 14.
Combined shutoff and metering valve. S. R. Barr. 2,510,617, June 6.
Combined sink and towel rack. T. C. Wilson. 2,499,896, Mar. 7.
Combined soap and synthetic detergent bar. D. E. Marshall. 2,508,578, May 23.
Combined spectacle and utility case. C. F. Cameron. 2,529,000, Nov. 7.
Combined throttle lever and rocket firing means for acceleration or deceleration of aircraft. G. C. MacDonald. 2,529,508, Nov. 14.
Combined tool. J. P. Guignabert. 2,494,089, Jan. 10.
Combining circuit. H. B. Smith. 2,496,317, Feb. 7.
Combustible gas, Process and apparatus for making. W. W. Odell. 2,494 576, Jan. 17.
Combustion and apparatus therefor, Low-temperature. C. E. Hemminger. 2,509,866, May 30.
Combustion apparatus. R. L. Hundstad. 2,513,325, July 4.
Combustion apparatus. A. H. Redding. 2,508,420, May 23.
Combustion apparatus. S. Way. 2,498,728, Feb. 28.
Combustion apparatus comprising successive combustion chambers. R. H. Goddard. 2,523,656, Sept. 26.
Combustion apparatus for furnaces. W. Ferguson. 2,512,319, June 20.
Combustion chamber and heat exchanger, Combined. A. W. Ruff. 2,514,011, July 4.
Combustion chamber and turbine arrangement. J. L. Breese. 2,532,831, Dec. 5.
Combustion chamber construction for turbo-power plants, Annular type. N. C. Price. 2,526,410, Oct. 17.
Combustion chamber for compression ignition internal-combustion engines. A. C. Howard. 2,513,874, July 4.
Combustion chamber for Diesel engines, Catalyzing. A. L. M. A. Rouy. 2,497,374, Feb. 14.
Combustion chamber for gas turbine engines. A. L. Berger. 2,504,106, Apr. 18.
Combustion chamber for internal-combustion engines. J. A. H. Barkeij. 2,522,921, Sept. 19.
Combustion chamber for internal-combustion engines. A. C. Morrison. 2,504,036, Apr. 11.
Combustion chamber for internal-combustion engines. K. Sonderegger. 2,514,730, July 11.
Combustion chamber for prime movers. A. Huyton. 2,509,503, May 30.
Combustion chamber, Multiple truncated conical element. J. S. Clarke. 2,525,206, Oct. 10.
Combustion chamber, Rotary. D. W. Longfellow. 2,504,854, Apr. 18.
Combustion chamber, Rotating. R. H. Goddard. 2,523,655, Sept. 26.
Combustion chamber, Unitary. D. C. Sinclair. 2,525,963, Oct. 17.
Combustion chamber with annular target area. R. H. Goddard. 2,510,571, June 6.
Combustion chamber with fuel vaporizing pipes for internal-combustion turbine plants. S. Allen. 2,522,081, Sept. 12.
Combustion chamber with shielded fuel nozzle. F. C. Mock and H. H. Thurston. 2,517,015, Aug. 1.
Combustion chamber with side air entrance and hollow ignition cone. M. A. Mayers. 2,530,019, Nov. 14.
Combustion chambers for reaction jet propulsion apparatus, Auxiliary. R. H. Goddard. 2,518,000, Aug. 8.
Combustion chambers with perforated end walls and upstream fuel injection for combustion turbines. W. H. Darlington. 2,526,122, Oct. 17.
Combustion control system. F. H. Fellows. 2,519,240, Aug. 15.
Combustion engine. F. G. Prieto. 2,508,582, May 23.
Combustion gas producing apparatus. S. G. Glick. 2,522,220, Sept. 12.
Combustion gas recirculating steam and air injector means for furnaces. J. R. Butler. 2,499,814, Mar. 7.
Combustion head for oil burners and the like. W. W. Hallinan. 2,513,645, July 4.
Combustion heater. T. S. Briskin. 2,524,158, Oct. 3.
Combustion process. T. Heilmann. 2,507,014, May 9.
Combustion products operated turbine. C. K. Newcombe. 2,502,878, Apr. 4.
Combustion tube oil burner. T. A. Quart. 2,500,324, Mar. 14.
Combustion unit. E. P. Peregrine. 2,495,386, Jan. 24.
Come-along for chains. R. S. Towse. 2,497,805, Feb. 14.
Comfort unit. A. L. W. Williams. 2,512,559, June 20.
Comminuting apparatus, Garbage. A. W. Richards. 2,495,983, Jan. 31.
Comminuting machine. J. L. Berger. 2,524,751, Oct. 10.
Comminuting machine, Crop. J. R. Day. 2,535,122, Dec. 26.
Comminutor and seed separator, Vegetable. E. B. Squire. 2,503,852, Apr. 11.
Commode and basin combined, Portable flush type. I. Levin. 2,527,271, Oct. 24.

Commode for use in airplanes, trailers, and the like. E. Herrmann. 2,506,502, May 2.
Commodity extruding collapsible tube support. C. F. and V. A. Nelson. 2,509,518, May 30.
Communicating system. W. S. Halstead. 2,535,063, Dec. 26.
Communication and radio guidance system. E. M. Deloraine and P. R. Adams. 2,535,048, Dec. 26.
Communication apparatus, Railway train. H. A. Wallace. 2,502,123, Mar. 28.
Communication device, Radioelectric. R. Villem. 2,505,266, Apr. 25.
Communication mechanism. F. M. Lindley and R. F. Retter. 2,515,561, July 18.
Communication of intelligence. D. D. Grieg. 2,498,677, Feb. 28.
Communication system. W. M. Bacon. 2,495,683, Jan. 31.
Communication system. W. M. Bacon and E. F. Watson. 2,495,682, Jan. 31.
Communication system. R. F. Baum. 2,496,846, Feb. 7.
Communication system. P. N. Bossart. 2,499,180, Feb. 28.
Communication system. H. G. Grove. 2,495,452, Jan. 24.
Communication system. J. A. Krumhansl and H. Goldberg. Re. 23,288, Oct. 24.
Communication system. P. Raibourn. 2,515,263, July 18.
Communication system and signal receiver therefor. T. H. Flowers. 2,515,553, July 18.
Communication system between ground station and a plurality of mobile stations, Selective. L. F. Jones. 2,513,490, July 4.
Communication system, Electronic. D. H. Ransom. 2,506,612, May 9.
Communication system employing pulse code modulation. W. M. Goodall. 2,531,846, Nov. 28.
Communication system for ultrashort radio waves. H. O. Peterson and B. Trevor. 2,497,958, Feb. 21.
Communication system, Mine. J. A. McNiven. 2,499,195, Feb. 28.
Communication system, Multiplex electrical pulse. D. D. Grieg. 2,498,678, Feb. 28.
Communication system, Multiplex pulse. H. O. Peterson. 2,508,620, May 23.
Communication system, Multistation microwave. G. G. Bruck, R. M. Sprague, and M. C. Vosburgh. 2,510,461, June 6.
Communication system, Pulse code. B. Alexander and E. M. Deloraine. 2,510,054, June 6.
Communication system, Pulse code modulation. J. R. Pierce. 2,508,622, May 23.
Communication system, Selectable band width electrical pulse multichannel. E. Labin and D. D. Grieg. 2,495,739, Jan. 31.
Communication system, Short-wave, long distance. R. Villem. 2,530,926, Nov. 21.
Communication system, Single channel two-way. L. Brockman. 2,501,986, Mar. 28.
Communication system, Telegraphic. E. E. Kleinschmidt. 2,502,013, Mar. 28.
Communication system, Time sharing duplex. R. B. Hoffman and R. C. Ferrar. 2,531,433, Nov. 28.
Communication system, Two-way. R. B. Hoffman and R. C. Ferrar. 2,521,721, Sept. 12.
Communication system, Two-way light. M. E. Collins. 2,494,645, Jan. 17.
Communication system, Two-way pulse multiplex. M. M. Levy. 2,527,558, Oct. 31.
Communication system, Ultra high frequency. D. R. Goddard and K. G. MacLean. 2,515,213, July 18.
Communication system, Vehicle. H. G. Busignies. 2,510,066, June 6
Communication system, Vernier pulse code. A. J. Rack. 2,530,538, Nov. 21.
Communication system with channels of different band widths, Multiplex. H. J. von Baever. 2,517,365, Aug. 1.
Communication system with Wheatstone bridge detector, Proximity. G. W. Baughman. 2,499,177, Feb. 28.
Commutating apparatus, Hall effect. A. Hansen, Jr. 2,512,325, June 20.
Commutator. A. H. Dickinson. 2,517,986. Aug. 8,
Commutator. F. J. Durrschmidt. 2,533,775, Dec. 12.
Commutator. C. Lynn. 2,519,264, Aug. 15.
Commutator. E. C. Wahlberg. 2,535,824–5. Dec. 26.
Commutator and making same. M. A. Isaacson. 2,516,880, Aug. 1.
Commutator cap construction. C. A. Atwell. 2,519,217, Aug. 15.
Commutator-connector. H. A. Jonard and M. H. Polzin. 2,494,244, Jan. 10.
Commutator, Electronic. A. H. Dickinson. 2,514,037, July 4.
Commutator, Floating-seal. W. L. Wright. 2,501,370, Mar. 21.
Commutator for rotary dynamoelectric machines. M. Rokach. 2,516,593, July 25.
Commutator for spectrophotometer indicator circuit. G. L. Dimmick. 2,515,762, July 18.
Commutator machine, Alternating current. L. Heidmann. 2,525,297, Oct. 10.
Commutator machine, Alternating-current. L. C. Weathers. 2,505,018, Apr. 25.
Commutator machine, Alternating current. L. C. Weathers. 2,529,525–6, Nov. 14.
Commutator slotter, Automatic self-indexing. I. Spector. 2,520,514, Aug. 29.
Commutator tester. O. H. Butler. 2,516,615, July 25.
Commutator, Through bolt. W. L. Wright. 2,495,194, Jan. 17.
Commutator winding for multiphase commutator machines. V. Klima. 2,504,537, Apr. 18.
Compact. R. Adler. 2,497,752, Feb. 14.
Compact. A. F. Reilly. 2,535,455, Dec. 26.
Compact cabinet and table. P. A. Cain. 2,527,056, Oct. 24.
Compact, Illuminated. E. M. and H. Bates. 2,494,375, Jan. 10.
Compact, Powder. R. Schulfer. 2,497,692, Feb. 14.
Compact power unit. E. A. Rockwell. 2,532,462, Dec. 5.
Compact ultra high frequency energy-confining rotating joint. W. W. Mieher and J. D. Mallett. 2,523,320, Sept. 26.
Compacting material, Method of and apparatus for. A. B. Mays. 2,529,404, Nov. 7.
Comparator circuit. R. A. Howard. 2,498,548. Feb. 21.
Comparator for testing cams, Optical. R. O. Beardsley and L. B. Fuller. 2,521,820, Sept. 12.
Comparator, Frequency. J. F. Allen. 2,532,435, Dec. 5.
Comparator having two bridge circuits, Photoelectric. T. B. Perkins. 2,510,347, June 6.
Comparator, Inside diameter. J. E. Conzelman, Jr. and H. D. Eggleston. 2,508,496, May 23.
Comparator, multiple selective anvil type, Opposed contact. E. S. Rinaldy. 2,499,418, Mar. 7.
Comparator, Shockproof mechanical. H. M. E. Pasquet. 2,506,167, May 2.
Comparing mechanism. F. C. Hallden. 2,514,054, July 4.
Comparison method for measuring the hemoglobin content of blood. M. G. Brown. 2,519,997, Aug. 22.
Compartment and collapsible frame for same, Portable. E. C. Gledhill. 2,531,678, Nov. 28.
Compartment door latch. C. Ledin. 2,494,048, Jan. 10.
Compass. R. E. Beauchamp. 2,511,688, June 13.
Compass, Adjustable ellipse. H. R. Irick. 2,494,557, Jan. 17.
Compass and inclinometer. H. E. Page. 2,513,044, June 27.
Compass, Beam. A. Guiñez. 2,534,440, Dec. 19.
Compass, Beam. W. K. Lankford. 2,512,235, June 20.
Compass, Beam. G. Penza. 2,513,670, July 4.
Compass, Beam. H. Virus. 2,516,735, July 25.
Compass compensator. N. Wakefield. 2,509,116, May 23.
Compass, Cruiser's. R. Collins. 2,528,339, Oct. 31.
Compass demonstrator, Radio. M. E. Blain. 2,508,366, May 23.
Compass, Electronically responsive. F. Schulte. 2,518,258, Aug. 8.
Compass, Magnetic. L. G. Dufilho. 2,529,764, Nov. 14.
Compass, Magnetic. L. Wolfe. 2,525,848, Oct. 17.
Compass, Portable radio. M. D. Ercolino. 2,535,053, Dec. 26.
Compass, Rule. S. J. Olejniczak. 2,499,673, Mar. 7.
Compass scale of aircraft compasses and mariners' compasses. S. W. Åhblom. 2,526,921, Oct. 24.
Compass simulating means for grounded aviation trainers, Northerly turning error. K. A. Kail. 2,510,580, June 6.
Compass slaving circuit. L. D. Cahill. 2,524,512, Oct. 3.
Compass tool. C. P. Huls. 2,499,754, Mar. 7.
Compensated degenerative control circuit. O. W. Livingston. 2,496,881, Feb. 7.
Compensated electric motor. R. Lee. 2,500,191, Mar. 14.
Compensated reed mounting. D. E. Noble. 2,500,372, Mar. 14.
Compensated voltage regulator. R. B. Mackenzie. 2,525,698, Oct. 10.
Compensating center support. D. W. Wirebaugh. 2,523,931, Sept. 26.
Compensating for film characteristics in photographic sound recording, System and method of. R. L. Malcolm. 2,510,592, June 6.
Compensating for or preventing heat losses from material during dielectric heating thereof. G. E. Gard. 2,526,699, Oct. 24.
Compensating means for displacement meters. A. L. Grisé. 2,531,620, Nov. 28.
Compensating mechanism, Centrifugal force. H. H. Merwin and E. W. Reynolds. 2,494,483, Jan. 10.
Compensation of thiophenes with ketones. H. Pines and B. Kvetinskas. 2,526,894, Oct. 24.
Compensator, Backlash. J. B. Armitage and T. F. Eserkaln. 2,498,870, Feb. 28.
Compensator, Backlash. K. A. Riedel. 2,498,897, Feb. 28.
Compensator, Backlash. A. A. Wolf. 2,531,488, Nov. 28.
Compensator, Combined adjustment and temperature. L. A. Paine. 2,523,514, Sept. 26.
Compensator for electrical measuring instruments, Flux distribution. S. C. Haley. 2,497,669. Feb. 14.
Compensator for flat plate ironers, Thickness. E. E. Foster. 2,521,708, Sept. 12.
Compensator for free piston engines, Automatic piston stroke. W. A. Morain and P. S. Shirley. 2,497,091, Feb. 14.
Compensator for independent fluid pressure systems. L. A. Majneri. 2,526,570. Oct. 17.
Compensator, Telecine flicker. S. J. Harris. 2,523,296, Sept. 26.

Compensator, Voltage. W. Kober. 2,526,671, Oct. 24.
Competitive labyrinth game board. T. A. Tormey, 2,525,738, Oct. 10.
Completing a well, Method and apparatus for. G. A. Kessler. 2,513,944, July 4.
Complex inorganic compounds and application thereof, Production of. H. R. Frisch. 2,530,458, Nov. 21.
Composing apparatus having auxiliary supports. Photographic cylindrical. W. C. Huebner. 2,497,991, Feb. 21.
Composite floor of metal and concrete. L. Coff. 2,510,958, June 13.
Composite glass and metal article. W. C. Gregory. 2,521,846, Sept. 12.
Composite glass and metal articles, Making. W. C. Gregory. 2,521,845, Sept. 12.
Composite insulated wheel. W. R. Smith. 2,507,483, May 9.
Composite material. W. C. Arkell. 2,531,931, Nov. 28.
Composite material and making. J. McBride. 2,524,986, Oct. 10.
Composite metal electric contact member. B. G. Tremblay. 2,504,906, Apr. 18.
Composite overnight and brief case. S. H. Lifton. 2,496,128, Jan. 31.
Composite photographic picture with reflecting back. M. Bonnet. 2,522,812, Sept. 19.
Composite piston ring. M. C. Holley. 2,533,805, Dec. 12.
Composite products of rubber and rayon and the products obtained thereby, Manufacture of. J. W. Illingworth. 2,518,144, Aug. 8.
Composite products of rubber and rayon and the products obtained thereby, Manufacture of. J. W. Illingworth and E. W. Madge. 2,497,454, Feb. 14.
Composite refractory, Making. A. G. Allison and C. R. Austin. 2,534,652, Dec. 19.
Composite refractory, Making. C. R. Austin and H. Z. Schofield. 2,534,653, Dec. 19.
Composite roll for electrotinplating lines. W. A. Powers. 2,513,515, July 4.
Composite sheet, Electrically conducting. L. F. Hickernell. 2,498,493, Feb. 21.
Composite surfacing weld rod. E. W. Colbeck and D. W. Adams. 2,507,195, May 9.
Composite weld rod. L. M. Barbe-Boujours. 2,525,852, Oct. 17.
Composition and method for treating textile products. W. R. Tornquist and L. H. Vandermark. 2,526,301, Oct. 17.
Composition and process for treating metal surfaces. J. C. Lum. 2,516,008, July 18.
Composition board. H. Abraham. 2,514,021, July 4.
Composition comprising a nitrogenous resin and copper for aftertreating substantive dyeings and prints. O. Albrecht, J. Frei, and A. Landolt. 2,526,106, Oct. 17.
Composition comprising polymerized acrylonitrile and solvent therefor. G. E. Ham. 2,529,449, Nov. 7.
Composition containing a fluidized glycidyl ether and an amphoteric oxide, Adhesive. Q. T. Wiles. 2,528,934, Nov. 7.
Composition containing glycidyl ethers and alumina, Adhesive. Q. T. Wiles. 2,528,933, Nov. 7.
Composition for and method of coating concrete structures. K. A. Faber and J. L. Jensen. 2,522,707, Sept. 19.
Composition for bluing metal. C. F. Lawless. 2,519,672, Aug. 22.
Composition for controlling coccidiosis. E. Waletzky. 2,531,755, Nov. 28.
Composition for electrical distributor housing. P. C. Schroy, J. Grabowski, and M. J. Scott. 2,523,335, Sept. 26.
Composition for electrical distributors and ignition parts. P. C. Schroy and J. Grabowski. 2,523,336, Sept. 26.
Composition for freshening air and method therefor. G. S. Paschal. 2,527,029, Oct. 24.
Composition for imparting rust-inhibiting finish to iron articles. A. W. Machlet. 2,529,344, Nov. 7.
Compositions for inhibiting fouling. A. W. F. Thynne and D. H. Hewitt. 2,525,155, Oct. 10.
Composition for inhibiting sap stain. L. R. Bacon and D. B. Conklin. 2,517,076, Aug. 1.
Composition for internal-combustion engines. D. H. Sheffield. 2,534,309, Dec. 19.
Composition for introducing zirconium and beryllium soluably into magnesium. A. C. Jessup and J. B. Wilson. 2,497,551, Feb. 14.
Composition for joining metal surfaces. H. H. Block. 2,508,008, May 16.
Composition for preserving articles of food and the like. C. S. Ferguson. 2,532,489, Dec. 5.
Composition for producing carbon dioxide from hydrogen and carbon containing compounds, and producing the same. C. Hach. 2,492,986, Jan. 3.
Composition for producing fire extinguishing foams and method. W. F. Busse, J. M. Lambert, and P. P. Debye. 2,514,310, July 4.
Composition for rectifying halide salt baths. I. L. Newell. 2,510,650, June 6.
Composition for release of oxygen. N. Smith. 2,501,145, Mar. 21.
Composition for removing fingerprint deposits from nonabsorbent surfaces. W. David. 2,517,636, Aug. 8.
Composition for removing paint and varnish from coated surfaces. C. Hutson, J. C. Kidd, and C. E. Blair. 2,495,728, Jan. 31.
Composition for the control of coccidiosis. E. Waletzky. 2,510,486–7, June 6.
Composition for the correction of surface irregularities and preparing the same. J. W. Buchanan. 2,523,646, Sept. 26.
Composition for the treatment of plants and using same. S. B. Mecca. 2,534,787, Dec. 19.
Composition for yarns, Sizing. C. C. Abramson. 2,528,570, Nov. 7.
Composition hat pressing block. G. Middleman. 2,506,309, May 2.
Composition of asphalt and a butadiene-acrylonitrile copolymer. F. M. McMillan and H. J. Sommer. 2,509,777, May 30.
Composition of brittle resin and styrene-isobutylene copolymer. D. W. Young and W. J. Sparks. 2,516,741, July 25.
Composition of crotyl cellulose and compatible butadiene copolymer. W. H. Charch. 2,520,711, Aug. 29.
Composition of matter. M. T. Harvey. 2,508,025, May 16.
Composition of matter. R. S. Shelton and K. W. Wheeler. 2,493,090, Jan. 3.
Composition of matter. Z. W. Wicks, Jr. 2,506,695, May 9.
Composition of matter and its preparation. A. T. B. P. Squires. 2,523,729, Sept. 26.
Composition of matter and its preparation. A. T. B. P. Squires. 2,523,732, Sept. 26.
Composition of matter suitable for dental liners. A. Fink. 2,496,387, Feb. 7.
Composition of urea-formaldehyde and organosilicon compound. C. A. MacKenzie and J. B. Rust. 2,500,843, Mar. 14.
Composition of vinyl chloride-acetate-alcohol copolymer. G. R. Penn, Jr., and J. F. Suter. 2,512,726, June 27.
Composition pieces, Artificially producing carbonaceous. P. Müller. 2,529,041, Nov. 7.
Composition-selecting frame. C. E. Wilkinson. 2,494,077, Jan. 10.
Composition to improve circulation of blood in vascular disorders. R. R. Widmann. 2,498,777, Feb. 28.
Composition to increase the absorption by the body of histamine. R. R. Widman. 2,498,778, Feb. 28.
Composition useful as gum inhibitor for motor fuels. M. R. Brimer. 2,496,930, Feb. 7.
Compositions and methods for depositing amorphous metal-phosphate coatings on metal surfaces. H. I. Rosenbloom. 2,499,261, Feb. 28.
Compositions comprising acrylonitrile homopolymers. M. R. Dalton. 2,523,282, Sept. 26.
Compositions comprising an acrylonitrile polymerization product and a cyanoalkylaminoacetonitrile. A. Cresswell. 2,517,544, Aug. 8.
Compositions comprising an acrylonitrile polymerization product and an oxo-oxazolidine. E. L. Kropa and W. M. Thomas. 2,520,150, Aug. 29.
Compositions comprising halogenated cyclo-diene quinone adducts. J. Hyman. 2,507,208, May 9.
Compositions comprising polymeric triazoles dissolved in oxynitriles. J. W. Fisher, E. W. Wheatley, and G. W. I. Sheavyn. 2,512,625, June 27.
Compositions comprising thermoplastic resins and normally gaseous solvents, Making and storing. O. R. McIntire. 2,515,250, July 18.
Compositions containing amylaceous materials and a dihydroxyphospholipid. E. F. Glabe. 2,513,638, July 4.
Compositions containing and process for preparing stabilized unsaturated fatty oils. J. I. Wasson. 2,522,476, Sept. 12.
Compositions containing cellulosic filler united by polyvinyl chloride. J. Delorme and G. Desthieux. 2,519,442, Aug. 22.
Compositions containing glycidyl ethers. Q. T. Wiles and H. A. Newey. 2,528,932, Nov. 7.
Compositions containing 2,4-dichlorophenoxyacetic acid and the preparation thereof. G. M. O'Neal. 2,511,784, June 13.
Compositions, including a hydrogenated semidrying oil and methacrylate resin mixture as a lubricant. V. A. Navikas. 2,495,277, Jan. 24.
Compositions, including esters of citric acid. H. W. Vahlteich, R. H. Neal, and C. M. Gooding. 2,523,792, Sept. 26.
Compositions of different styrene-isobutylene copolymers. D. W. Young and W. H. Smyers. 2,519,092, Aug. 15.
Compositions of matter comprising halogenated organic compounds. E. E. Hardy. 2,532,616, Dec. 5.
Compositions of matter comprising polysiloxaneamines. W. I. Patnode. 2,503,919, Apr. 11.
Compositions of matter containing epoxy ethers and diamines. T. F. Bradley. 2,500,600, Mar. 14.
Compositions of matter containing glycidyl ethers and oxalic acid. T. F. Bradley. 2,500,449, Mar. 14.
Compositions of phenol-oil condensates and polyepoxides. S. O. Greenlee. 2,502,145, Mar. 28.

Compositions of polyvinyl acetals and polymeric 4-vinylcyclohexene dioxide. W. J. Hornibrook. 2,503,873, Apr. 11.
Compositions of resinous epoxides and aromatic amine aldehyde condensates. S. O. Greenlee. 2,511,913, June 20.
Compositions of resinous epoxides and aromatic sulfonamide-aldehyde condensates. S. O. Greenlee. 2,494,295, Jan. 10.
Compost tank. F. G. Graves. 2,527,214, Oct. 24.
Composter, Activated. G. H. Earp-Thomas. 2,535,627, Dec. 26.
Compound filter. W. S. Vance. 2,523,793, Sept. 26.
Compound for masonry, Waterproofing. H. L. Ainsworth, 2,508,480, May 23.
Compound gauge. B. A. Larson. 2,495,529, Jan. 24.
Compound regulator. L. S. Dysart. 2,515,765, July 18.
Compounding and molding machine. I. E. Bankey. 2,519,014, Aug. 15.
Compounds for impregnating fibrous materials and their production. E. Zerner and P. I. Pollak. 2,510,007, May 30.
Compounds having a carboxyalkylthio or a carbalkoxyalkylthio group bonded to silicon through hydrocarbon. W. J. Burke and W. A. Hoffman. 2,515,857, July 18.
Compounds having high wetting activity and preparing them. M. Kosmin. 2,508,036, May 16.
Compounds having surface activity and preparing them. M. Kosmin. 2,508,035, May 16.
Compounds of the imidazolidone series and making them. D. E. Wolf and K. Folkers. 2,512,512, June 20.
Compounds of uranium and nonmetals, Preparation of. A. S. Newton and O. Johnson. 2,534,676, Dec. 19.
Compounds suitable for conversion into nuclear substituted heterocyclic compounds, Preparation of intermediate. H. R. Snyder and R. E. Jones. 2,504,895, Apr. 18.
Compressible insulated connector. J. Rogoff. 2,526,277, Oct. 17.
Compressing apparatus and process, Wave actuated air. D. Fletcher, J. H. Stinson, and C. Gray. 2,511,705, June 13.
Compressing vapors, Method of and apparatus for. C. D. Chase. 2,532,267, Nov. 28.
Compression control for baling presses. C. E. Totman. 2,518,402, Aug. 8.
Compression control for internal-combustion engines. E. Ospina-Racines. 2,506,810, May 9.
Compression coupling. J. Mercier. 2,508,763, May 23.
Compression relief for internal-combustion engines. B. C. Fisher. 2,534,860, Dec. 19.
Compressor. J. G. Aldinger. 2,526,922, Oct. 24.
Compressor. S. Bousky. 2,513,912, July 4.
Compressor. R. D. Buell and O. H. Simmons. 2,513,547, July 4.
Compressor. C. H. Kittleson. 2,519,580, Aug. 22.
Compressor. R. E. Lamberton. 2,500,366, Mar. 14.
Compressor. S. A. J. Mansted. 2,535,308, Dec. 26.
Compressor. S. J. Steensen. 2,535,019, Dec. 19.
Compressor. O. R. and A. H. Stephenson. 2,530,551, Nov. 21.
Compressor. A. Trask. 2,509,376–7, May 30.
Compressor. R. L. Tweedale. 2,508,309, May 16.
Compressor. W. E. Whitney. 2,513,979, July 4.
Compressor and control therefor, Free piston. G. A. Mueller, Jr. 2,494,573, Jan. 17.
Compressor, Axial flow. C. de Ganahl, J. G. Coffin, and H. F. Basch. 2,505,755, May 2.
Compressor, Axial-flow. E. A. Stalker. 2,527,971, Oct. 31.
Compressor construction. N. C. Price. 2,501,614, Mar. 21.
Compressor control. H. E. Rose. 2,506,743, May 9.
Compressor control mechanism. W. H. Wineman. Re. 23,246, July 4.
Compressor control system. J. M. Bartholomew. 2,516,291, July 25
Compressor, Electromagnetically operating refrigeration. A. B. Bornstein. 2,515,110, July 11.
Compressor, Externally finned hermetic. J. Touborg. 2,493,171, Jan. 3.
Compressor, Foot operated air. T. E. Crockett. 2,516,371, July 25.
Compressor for filing devices. J. R. Jones and O. J. Larson. 2,527,678, Oct. 31.
Compressor for jet propelling apparatus. L. Sherman. 2,494,635, Jan. 17.
Compressor for pistol magazines, Plunger. M. R. Donnallan. 2,514,277, July 4.
Compressor for refrigerating apparatus. H. M. Goldberg and A. E. Karlberg. 2,505,709, Apr. 25.
Compressor, Free-piston. E. Mercier and M. Ehlinger. 2,493,355, Jan. 3.
Compressor, Free piston engine. E. Mercier. 2,510,127, June 6.
Compressor, Gas. M. Covins. 2,514,223, July 4.
Compressor, Gas. G. P. Cushing. 2,514,224, July 4.
Compressor, Gas. J. F. Winkler. 2,517,367, Aug. 1.
Compressor, Lawn mower grass. G. Muzzy. 2,517,335, Aug. 1.
Compressor, Lubricant. E. W. Davis. 2,521,569, Sept. 5.
Compressor, Multistage, axial flow, gas. H. F. Hagen. 2,500,070, Mar. 7.
Compressor, Nutating axis rotary. D. O. Manseau. 2,496,668, Feb. 7.
Compressor of the jet type, Elastic fluid. C. K. Newcombe. 2,502,270, Mar. 28.
Compressor or engine, Rotary helical. F. E. Smith. 2,504,230, Apr. 18.
Compressor or pump. H. W. Bell. 2,497,575, Feb. 14.
Compressor, Rotary. T. L. Hicks. 2,522,824, Sept. 19.
Compressor, Rotary. F. M. Jones. 2,504,841, Apr. 18.
Compressor, Rotary abutment. A. E. Biermann. 2,500,143, Mar. 7.
Compressor, Rotary injector. E. R. Hartman. 2,524,703, Oct. 3.
Compressor, Rotary type air. D. F. McGill. 2,523,317, Sept. 26.
Compressor, Sealed unitary. R. T. Tiedje. 2,517,145, Aug. 1.
Compressor shaft assembly. C. Steenstrup. 2,504,747, Apr. 18.
Compressor suction valve. A. Trask. 2,506,751, May 9.
Compressor surge control for exhaust turbine driven superchargers. M. F. Bates. 2,500,234, Mar. 14.
Compressor turbine. J. Youhouse. 2,509,555, May 30.
Compressor unit. D. C. Haggardt. 2,508,253, May 16.
Compressor unloader. O. H. Buschmann. 2,520,674, Aug. 29.
Compressor unloading mechanism. C. R. Neeson. 2,522,762, Sept. 19.
Compressor with pressure and volume regulating means, Helical rotary. A. Lysholm. 2,519,913, Aug. 22.
Compromise joint. T. G. Thonger. 2,531,656, Nov. 28.
Computation aid apparatus, Percentage. J. R. Sears. 2,506,390, May 2.
Computer. E. L. Harder. 2,516,000, July 18.
Computer. E. C. Isom. 2,506,299, May 2.
Computer, Aerial navigation. J. L. Suydam. 2,512,184, June 20.
Computer, Aircraft flight time and mileage. A. H. Stronstorff. 2,508,898. May 23.
Computer, Electric. F. S. Rothe. 2,523,781, Sept. 26.
Computer, Electrical. W. S. Gallaway and E. R. Fenske. 2,525,124, Oct. 10.
Computer, Electrical logarithm. N. D. Coggeshall. 2,497,208, Feb. 14.
Computer, Electronic. H. Harris, Jr. 2,497,883, Feb. 21.
Computer, Electronic. G. A. Morton. 2,525,077, Oct. 10.
Computer, Electronic. S. B. Williams. 2,502,360, Mar. 28.
Computer for determining the position of a moving body relatively to a two-coordinate reference system, Mechanical. E. F. G. Garnier. 2,507,567, May 16.
Computer for flash and flood lamp photography. G. T. Mundorff. 2,517,590, Aug. 8.
Computer for grounded aviation trainers for converting indicated air speed to true air speed and vice versa. R. E. Kittredge. 2,514,770, July 11.
Computer, Mechanical. W. H. Newell. 2,528,284, Oct. 31.
Computer, Mechanical. A. Svoboda. 2,498,308, Feb. 21.
Computer mechanism. J. N. M. Howells. 2,526,664, Oct. 24.
Computer, Pilotage. W. C. Schroeder. 2,495,777, Jan. 31.
Computer, Print exposure. J. W. McFarlane and C. E. Moses. 2,533,489, Dec. 12.
Computer, Rotary. J. Kreitner. 2,530,304, Nov. 14.
Computer, Safe pull-out altitude. A. C. de Beauregard. 2,524,007, Sept. 26.
Computer, Time and distance. H. W. Peterson. 2,523,589. Sept. 26.
Computer, True air-speed. F. J. Huber. 2,528,518. Nov. 7.
Computer, Wind data. W. K. Ergen. 2,519,180, Aug. 15.
Computing device. W. Farbman. 2,533,443, Dec. 12.
Computing device. H. R. Noyes. 2,507,173, May 9.
Computing device, Electrical. T. D. Morgan. 2,500,997, Mar. 21.
Computing device for race totalizators, Odds. A. F. and G. A. Julius. 2,506,876, May 9.
Computing device, Interest. E. F. Laurin. 2,531,633, Nov. 28.
Computing level. L. A. Barnett. 2,534,216, Dec. 19.
Computing machine. M. Garbell. 2,528,647, Nov. 7.
Computing method and device, Linear coordinate transfer. F. C. Williams. 2,494,076, Jan. 10.
Computing sight. L. H. Brown. 2,534,225, Dec. 19.
Computing sight. E. H. Ludeman. 2,520,943, Sept. 5.
Computing system. J. S. Allen. 2,535,250, Dec. 26.
Computing system. I. E. Grosdoff. 2,521,787, Sept. 12.
Computing system, Range and elevation. R. H. Rines. 2,497,913, Feb. 21.
Concealed antenna support. M. R. Friedberg, L. H. Finneburgh, Jr., and T. R. Finke. 2,499,137, Feb. 28.
Concealed bed lamp. B. Cones. 2,498,942, Feb. 28.
Concentrating apparatus and method. J. Leboeuf. 2,503,395, Apr. 11.
Concentrating dilute solutions, Process and apparatus for. P. W. Cornell. 2,509,136, May 23.
Concentrating fluorspar ores. J. B. Clemmer and B. H. Clemmons. 2,497,863, Feb. 21.
Concentrating milk. J. F. Kowalewski and G. Sperti. 2,520,939, Sept. 5.
Concentrating pharmaceutical and other liquids. R. A. Bierwirth. 2,512,604, June 27.

Concentrating polyalkylene oxide condensation products. C. R. Enyeart. 2,496,582, Feb. 7.
Concentrating vitamins by solvent fractionation. J. T. Dickinson, O. Morfit, and L. J. Van Orden. 2,499,991, Mar. 7.
Concentration control. F. W. Schmitz. 2,498,008, Feb. 21.
Concentration of acetaldol. E. C. Craven, E. H. Harbard, and K. H. W. Tuerck. 2,521,204, Sept. 5.
Concentration of albumen from whey. G. J. Strezynski. 2,500,101, Mar. 7.
Concentration of aqueous solutions of hydrocarbon sulfates and sulfonates. H. F. Dammers. 2,522,212, Sept. 12.
Concentration of formaldehyde. C. Pyle and J. A. Lane. 2,527,655, Oct. 31.
Concentration of oölitic iron ores. O. Lee. 2,514,958, July 11.
Concentration of vitamin E. A. W. Hixson and R. Miller. 2,508,387, May 23.
Concentrator, Ore. J. Stephan. 2,496,025, Jan. 31.
Concentric line construction. R. A. Herring, Jr. 2,527,549, Oct. 31.
Concrete and making, Air-entrained. C. O. Gabrielson. 2,510,776, June 6.
Concrete and making, Refractory. F. E. Lobaugh. 2,511,724–5, June 13.
Concrete articles, Making. W. S. Ramsay. 2,500,866, Mar. 14.
Concrete compacting device. P. F. Connolly and C. H. Holmstrom. 2,520,833, Aug. 29.
Concrete composition. G. W. Wallace. 2,524,947, Oct. 10.
Concrete form. L. Y. Davis. 2,513,008, June 27.
Concrete form. D. G. Youngman. 2,518,847, Aug. 15.
Concrete form clamp. M. A. Burson. 2,528,031, Oct. 31.
Concrete form lining. E. Frederick, Jr. 2,514,484, July 11.
Concrete form tie and spacer. C. Kravagna. 2,524;265, Oct. 3.
Concrete handling apparatus. I. J. Kuert. 2,523,506, Sept. 26.
Concrete, Making porous. B. M. King, Jr. 2,534,915, Dec. 19.
Concrete mixer. J. D. Farrell. 2,527,538, Oct. 31.
Concrete mixer. E. Keel. 2,529,256, Nov. 7.
Concrete mixer. D. O. McIntosh. 2,495,379, Jan. 24.
Concrete mixer. A. G. Zicovich. 2,508,632–3, May 23.
Concrete mixer. A. G. Zicovich. 2,525,573–4, Oct. 10.
Concrete mixer and drive means therefor, Portable. G. A. Williams. 2,507,077, May 9.
Concrete parts, Method and apparatus for manufacturing. R. Bertrand. 2,496,850, Feb. 7.
Concrete piles, Forming. T. C. Bruns. 2,528,999, Nov. 7.
Concrete piles, Production of. A. B. Holmes. 2,512,831, June 27.
Concrete pipe machine, Packer head. W. B. Dixon. 2,530,687, Nov. 21.
Concrete, Process and apparatus for preparing. C. Tietig. 2,533,852, Dec. 12.
Concrete products, Process and apparatus for molding porous. C. C. Dubbs. 2,528,643, Nov. 7.
Concrete, Refractory. F. E. Lobaugh. 2,516,892–3, Aug. 1.
Concrete sleepers and like beams, Manufacture of pre-stressed. R. S. V. Barber and D. R. Lester. 2,511,761, June 13.
Concrete structure, Reinforced. J. M. Crom. 2,522,165, Sept. 12.
Concrete tile machine. W. M. Beyersdorfer. 2,519,994, Aug. 22.
Concrete wall machine. E. Shuter. 2,532,246, Nov. 28.
Condensate of alpha-pinene and phosphorus pentasulfide, Sulfurized. W. S. Hoock and M. P. Kleinholz. 2,515,222, July 18.
Condensates of rosin with unsaturated carbocyclic compounds. A. L. Rummelsburg. 2,532,120, Nov. 28.
Condensation drain valve. C. C. Farmer. 2,494,434, Jan. 10.
Condensation of acrolein with monohydric saturated aliphatic alcohols. J. E. Bludworth and R. E. Meyer. 2,495,313, Jan. 24.
Condensation of acyl polymers with aromatic hydrocarbons. E. Lieber and A. F. Cashman. 2,531,063, Nov. 21.
Condensation of aldehydes with aromatics or thiophenes in the presence of gluconite. H. D. Hartough and J. J. Sardella. 2,494,758, Jan. 17.
Condensation of beta-(4-methyl-Δ^3-cyclohexenyl)-butyraldehyde with aldehydes and ketones. R. B. Wearn and C. Bordenca. 2,519,327, Aug. 15.
Condensation of ethylene oxide with carboxylic acid amides. J. J. Carnes. 2,520,381, Aug. 29.
Condensation of formaldehyde with ketones and nitroparaffins. H. M. Spurlin. 2,510,914, June 6.
Condensation of linear 1,2,4 triazole with aldehyde, diisocyanate, or diurethane. J. W. Fisher, E. W. Wheatley, and H. Bates. 2,512,634, June 27.
Condensation of vinyl esters and aliphatic amines. J. D. Danforth. 2,527,709, Oct. 31.
Condensation preventing means for refrigerators. J. K. Roth. 2,509,784, May 30.
Condensation product and process. E. T. McBee and J. S. Newcomer. 2,506,428, May 2.
Condensation product of formaldehyde, a phenol, and a ketone-amine condensate. J. R. Ingram. 2,511,063, June 13.
Condensation product of stearoyl phenol with sulfur dichloride. E. Lieber. 2,507,111, May 9.
Condensation product of sulfathiazole and formaldehyde. M. Hartmann, J. Druey, and O. Allemann. 2,512,102, June 20.
Condensation products from unsaturated aldehydes, Production of dimeric. R. H. Hall and K. H. W. Tuerck. 2,528,592, Nov. 7.
Condensation products from vinyl ethers. D. E. Sargent 2,515,164, July 11.
Condensation products of beta-methyl glutaconic anhydride. O. Schwarzkopf and J. Fried. 2,515,901, July 18.
Condensation products of diamines and fatty acids. P. F. Tryon. 2,520,102, Aug. 22.
Condensation products of furfural and monohydroxy benzenes. L. K. Eber. 2,507,199, May 9.
Condensation products of silvered formaldehyde, Moldable. R. M. Banks and R. B. Barnes. 2,500,113, Mar. 7.
Condensation product of 6-sulfanilamido-3-methyl-pyridazine with formaldehyde. J. Druey. 2,501,892, Mar. 28.
Condensation products of urea, monoalkyl urea, formaldehyde, and monohydric aliphatic alcohol. J. F. Olin and P. D. Morton. 2,529,784, Nov. 14.
Condensation products, Producing. J. Ross and A. I. Gebhart. 2,496,358, Feb. 7.
Condensation pump. R. E. Cortright. 2,521,345, Sept. 5.
Condenser: *See*—

Coated electrical condenser.	Tape condenser.
Dry electrolytic condenser.	Trimmer condenser.
Electrical condenser.	Two-stage vapor condenser.
High-frequency vernier tuning condenser.	Vacuum condenser.
Laminated electric condenser.	Variable capacity condenser.
Liquid insulated electric condenser.	Variable condenser.
Reverse flow counter-current condenser.	Variable vacuum condenser.
	Wound condenser.
	Zinc condenser.

Condenser. B. P. Dawes. 2,508,815, May 23.
Condenser. J. R. Hayward. 2,532,301, Dec. 5.
Condenser. R. Horton and M. H. Olstad. 2,501,518, Mar. 21.
Condenser. B. B. Minnium and M. L. Crooks. 2,523,664, Sept. 26.
Condenser. W. R. Parson. 2,527,373, Oct. 24.
Condenser adjusting device. R. N. Gangel. 2,501,671, Mar. 28.
Condenser assembly. G. J. Bair. 2,526,704, Oct. 24.
Condenser charging system. D. D. Coffin. 2,515,632, July 18.
Condenser construction for use with transformers. J. W. Wolfe. 2,519,009, Aug. 15.
Condenser discharge system. J. W. Dawson. 2,525,872, Oct. 17.
Condenser for refrigerators. L. W. Casetta. 2,521,040, Sept. 5.
Condenser having a laminated dielectric thickened at its marginal portions. A. Liechti. 2,528,596, Nov. 7.
Condenser means for measuring level conditions. P. L. Bennett and L. A. Bryant. 2,532,883, Dec. 5.
Condenser structure for radio amplifiers, By-pass. J. C. O'Brien. 2,513,249, June 27.
Condenser transducer independent of ambient atmospheric conditions. W. A. Munson and E. C. Wente. 2,500,643, Mar. 14.
Condensers, Making. J. B. Brennan. 2,497,066, Feb. 14.
Condensers, Making electrical. P. R. Coursey. 2,533,717, Dec. 12.
Condensers, Making electrical. P. R. Coursey, C. H. Munday, and K. A. Gough. 2,533,718, Dec. 12.
Condensers, Making electrical. R. B. Gray. 2,525,668, Oct. 10.
Condensers, Making electrical. W. E. Merriman. 2,518,707, Aug. 15.
Condensers, Manufacturing electrical. G. P. Smith. 2,526,703, Oct. 24.
Condensers, Producing electrical. P. Robinson and H. J. St. Denis. 2,526,688, Oct. 24.
Condensing unit for refrigeration systems. W. W. Higham. 2,524,226, Oct. 3.
Condiment and toothpick holder. L. A. Smith. 2,499,687, Mar. 7.
Condition of purity of hydrocarbons from mixtures containing them, Preparation in a. S. F. Birch, J. Habeshaw, and C. B. Collis. 2,493,567, Jan. 3.
Conditioning air in mechanical refrigerators. G. L. Pownall. 2,527,571, Oct. 31.
Conditioning and supplying clay to pottery forming machinery, Method and apparatus for. W. J. Miller. 2,506,377, May 2.
Conditioning apparatus, All year. A. B. Newton. 2,495,861, Jan. 31.
Conditioning apparatus for knitting machines, Yarn. J. W. Crawford. 2,522,211, Sept. 12.
Conditioning bar soap for pressing by means of infrared radiation. R. F. Heald, C. Sutter, and R. E. Compa. 2,527,062, Oct. 24.

Conditioning chocolate and the like, Method of and apparatus for. F. W. Greer. 2,531,773, Nov. 28.
Conditioning clay for manufacture of aluminum sulfate. B. W. Hammarén, P. A. Florio, and R. V. Townend. 2,531,978, Nov. 28.
Conditioning fibers. E. Hurst. 2,509,148, May 23.
Conditioning iron catalyst. R. V. Safford. 2,533,694, Dec. 12.
Conditioning metal bodies, Thermochemically. J. H. Bucknam and I. P. Thompson. 2,493,802, Jan. 10.
Conditioning metal members for a welding operation. R. E. Van Deventer. 2,495,150, Jan. 17.
Conditioning motors, Method and apparatus for. J. E. Vallerie. 2,525,978, Oct. 17.
Conducting chemical reactions. S. C. Eastwood and R. D. Drew. 2,513,294, July 4.
Conducting gaseous reactions in the presence of a moving particle form solid. J. A. Crowley, Jr. 2,508,993, May 23.
Conducting ion exchange operations, Method and apparatus for. A. L. Wilcox, E. J. Roberts, and E. B. Fitch. 2,528,099, Oct. 31.
Conducting microbiological processes, Continuous method of. A. J. Liebmann and G. T. de Becze. 2,524,200, Oct. 3.
Conducting multiple panel structure, Electrically. H. A. McMaster. 2,497,507, Feb. 14.
Conductive device. G. W. Davis. 2,509,909, May 30.
Conductor and producing same, Electrically insulated. S. O. Dorst. 2,495,630, Jan. 24.
Conductor device, Trolley. R. P. Hanna and L. F. Brahmer. 2,525,484, Oct. 10.
Conductor, Fluid. D. C. Warren. 2,509,119, May 23.
Conductor, Insulated electrical. B. W. Nordlander and J. A. Loritsch. 2,524,536, Oct. 3.
Conductor insulation. H. Hartmann. 2,519,133, Aug. 15.
Conductor, Multistrand electrical. E. B. Passow. 2,517,230, Aug. 1.
Conductor reel. K. Mihara. 2,526,256, Oct. 17.
Conductor strip, Composite electrical. J. E. O'Brien and E. S. Boynton. 2,495,280. Jan. 24.
Conductors, Making insulated electrical. E. W. Breisch. 2,498,357, Feb. 21.
Conductors, Making insulated electrical. J. J. Keyes. 2,504,845, Apr. 18.
Conduit connecting device. H. W. Kinander. 2,518,426, Aug. 8.
Conduit, Corrugated. G. E. Shafer. 2,501,854, Mar. 28.
Conduit cutter. F. O. Runnells. 2,517,355, Aug. 1.
Conduit fitting. H. J. Brushaber. 2,518,661, Aug. 15.
Conduit, Flexible electric. E. Solero. 2,514,905, July 11.
Conduit gate valve. R. Fennema. 2,504,924, Apr. 18.
Conduit, Insulated. E. Utterback. 2,520,482, Aug. 29.
Conduit, Sectional block. J. J. Dimmendaal. 2,521,351, Sept. 5.
Conduit snake. H. D. Norvelle. 2,534,472, Dec. 19.
Conduit supporting frame. H. L. Kindorf. 2,535,427, Dec. 26.
Conduit tester. S. L. Shive. 2,519,407, Aug. 22.
Cone bit bearing. W. C. Francis. 2,513,634, July 4.
Cone holder. R. B. Putnam. 2,529,351, Nov. 7.
Confection mold. A. Ricciardi. 2,534,059, Dec. 12.
Conformator. R. V. Burk. 2,523,647, Sept. 26.
Conicating system, Remote. L. G. Tubbs and G. P. Lessmann. 2,498,317, Feb. 21.
Connecting device. T. H. Batt. 2,497,922, Feb. 21.
Connecting device, Electric. F. G. Bac. 2,533,343, Dec. 12.
Connecting device, Electrical. L. L. Verkuil. 2,503,569, Apr. 11.
Connecting device for telephone exchanges using a register. A. C. Jacobaeus. 2,534,822, Dec. 19.
Connecting means for electric coils, Electric. L. R. Burghoff. 2,511,693, June 13.
Connecting mechanism. K. C. Edwards and D. D. Jones. 2,533,923, Dec. 12.
Connecting member, Adaptable threaded. W. T. Gindlesperger. 2,528,824, Nov. 7.
Connecting plug. B. G. K. Kjell-Berger and K. E. Lönnqvist. 2,517,677, Aug. 8.
Connecting rod system for crankshafts. G. Voisin. 2,506,693, May 9.
Connecting rod tool. L. W. Starnes. 2,508,047, May 16.
Connection actuated receptacle switch. J. J. Sperrazza. 2,500,474, Mar. 14.
Connection between shafts and shaft mounted members. C. J. Hahn. 2,493,402, Jan. 3.
Connection, Bracelet end. A. J. Garreau. 2,501,385, Mar. 21.
Connection, Cover plate. P. C. Owens. 2,522,057, Sept. 12.
Connection device, Electric. I. Korn. 2,501,569, Mar. 21.
Connection, Draft or hitch. W. H. Du Shane. 2,522,215, Sept. 12.
Connection, Electrical swivel. T. H. Faile. 2,502,252, Mar. 28.
Connection for a heating cable and making the same, Electrical. M. O. Whithed. 2,523,405, Sept. 26.
Connection for coaxial lines, Capacitive. R. C. Raymond. 2,516,529, July 25.
Connection for control cables, Terminal. D. M. Threewit. 2,493,841, Jan. 10.
Connection for demountable structures, Valved. W. L. Morrison. 2,502,630, Apr. 4.
Connection for flush tanks, Supply and shutoff. H. F. Goetz. 2,517,784, Aug. 8.
Connection for pipes, Adjustable. J. H. Goode. 2,497,987, Feb. 21.
Connection for securing mop heads to handles, Spring tension. N. B. Greenleaf. 2,496,158, Jan. 31.
Connection for slide fasteners, Separable end. N. J. Poux. 2,502,885, Apr. 4.
Connection for slush pumps, Crosshead. C. J. Carr. 2,510,377, June 6
Connection for solving the relation of several variables. V. Kläsek. 2,501,058, Mar. 21.
Connection for the ends of hoop sections for knockdown barrels. H. G. Bell and J. D. Gay, Jr. 2,527,672, Oct. 31.
Connection for trailers, Lighting. G. H. Wright and E. L. Koester. 2,525,086, Oct. 10.
Connection for ultra high frequency devices, Output. E. C. Okress and L. W. Holmboe. 2,526,399, Oct. 17.
Connection, Pipe. J. C. Richardson. 2,522,195, Sept. 12.
Connection, Safety electrical. A. H. Leja. 2,507,723, May 16.
Connection to cord, End plug. E. P. Brus. 2,522,341, Sept. 12.
Connector: *See*—
Anchored connector.
Antiskid chain connector.
Bath spray or like connector.
Battery connector.
Battery terminal connector.
Building joint connector.
BX cable connector.
Cable armor connector.
Cable connector.
Cable end connector.
Clamp connector.
Clamping connector.
Combination connector.
Compressible insulated connector.
Electric connector.
Electrical connector.
Electrical terminal clasp connector.
Explosive cartridge connector.
Extensible connector.
Jack stick connector.
Multicontact connector.
Multipoint electrical connector.
Pipe connector.
Plug connector.
Quick detachable battery connector.
Quick detachable connector.
Quick-detachable fluid line connector.
Quick detachable latching electrical connector.
Reinforced track block connector.
Right angle constant impedance connector.
Self-locking electrical connector.
Self-separating electrical connector.
Single conductor locking connector.
Solderless connector.
Tent pole connector.
Terminal connector.
Thermocouple connector.
Track shoe connector.
Trolley wire connector.
Twin-screw armored cable connector.
Two wire electrical connector.
Wrist watch connector.
Connector. S. L. Arson. 2,502,302. Mar. 28.
Connector. D. E. Austin. 2,496,032, Jan. 31.
Connector. M. D. Bergan. 2,533,161. Dec. 5.
Connector. C. Guiler and A. Kalenian. 2,520,501, Aug. 29.
Connector. G. J. Hausman. 2,534,970, Dec. 19.
Connector. P. S. Madsen. 2,507,535, May 16.
Connector. E. A. Sprigg. 2,513,115. June 27.
Connector. R. R. Steinke. 2,498,589, Feb. 21.
Connector and cap, Lead. J. H. Thornbery. 2,503,459, Apr. 11.
Connector arranged for conducting heat and high-frequency currents. J. A. Rado. 2,521,945, Sept. 12.
Connector for automatic telephone systems, Combination regular and test. H. E. Creech. 2,515,696, July 18.
Connector for brushes, brooms, and the like. E. R. Jackson. 2,527,256, Oct. 24.
Connector for chimneys and the like, Stovepipe. J. F. Anderson. 2,535,186, Dec. 26.
Connector for downspouts, Drain. J. W. Shea. 2,523,881, Sept. 26.
Connector for electrical conductors. L. A. Sanda. 2,523,782, Sept. 26.
Connector for electrodes. D. E. Stearns. 2,497,804, Feb. 14.
Connector for fluid or electrical lines or both. L. W. Meakin. 2,510,125, June 6.
Connector for high-frequency transmission lines and the like. J. Collard. 2,518,665, Aug. 15.
Connector for high-pressure conduits, Flexible. J. T. Marshall. 2,506,096, May 2.
Connector for irrigation pipes. R. B. Eyerly. 2,499,476, Mar. 7.
Connector for joining conductors. J. Oortgijsen. 2,501,187, Mar. 21.
Connector for looms, Harness cord. W. A. Blanchard. 2,506,564, May 9.
Connector for spotlights, Switch. H. R. Gross. 2,521,971, Sept. 12.
Connector for the back rest of chairs, Yieldable. M. Fox. 2,529,683, Nov. 14.
Connector for vacuum cleaners, Dust-bag. E. P. Turner. 2,523,739, Sept. 26.
Connector for wiper blades. I. Nesson. 2,513,510, July 4.
Connector head, Outlet. G. A. Mead. 2,535,150, Dec. 26.

Connector or terminal member. I. I. Boswell. 2,521,822, Sept. 12.
Connector switch controlled from either calling or called party to transmit different types of signaling. C. E. Lomax. 2,497,782. Feb. 14.
Connector unit for tie rod ends. W. S. Case. 2,502,925, Apr. 4.
Connector with double-action sleeve, Electrical. H. J. Modrey. 2,508,767, May 23.
Connector with insulation piercing means, Electrical wire. H. J. Schroeder. 2,534,881, Dec. 19.
Connector with strain relief. H. H. Burtt, W. W. Koenig, and C. E. Soderstrom. 2,526,325, Oct. 17.
Consistency meter. H. Barnard and E. M. Wharton. 2,533,213, Dec. 12.
Constant amplitude wave train generator. L. A. de Rosa. 2,495,704, Jan. 31.
Constant band width coupling circuit. P. Ware. 2,511,185, June 13.
Constant factor means. H. Gang. 2,531,205, Nov. 21.
Constant flow mixing valve. C. D. Branson. 2,535,893, Dec. 26.
Constant leverage engine. J. Riederer. 2,533,046, Dec. 5.
Constant potential exciter. W. R. Harding and M. H. Fisher. 2,525,486, Oct. 10.
Constant speed motor. G. S. Miles. 2,505,135, Apr. 25.
Constant velocity joint. G. E. Dunn. 2,509,969, May 30.
Constrictor. W. Stegeman. 2,519,712, Aug. 22.
Constructing a utility device for infants. A. N. Spanel. 2,515,806, July 18.
Constructing high chair trays. R. R. Smith. 2,530,667, Nov. 21.
Constructing lift-type gasholders. W. F. Perkins. 2,511,873, June 20.
Constructing pockets. I. M. Falk. 2,519,126, Aug. 15.
Constructing walls having horizontal and vertical voids. W. R. Mathis. 2,533,131, Dec. 5.
Construction and mounting of units of transparent synthetic resins. J. S. Martin and E. L. Kinkaide. 2,511,168, June 13.
Construction for mattresses, cushions, and the like, Innerspring. M. E. Tauss. 2,529,268, Nov. 7.
Construction for shafts, Moistureproof. T. Cymmer. 2,497,867, Feb. 21.
Construction for sliding clasp fasteners, Simultaneously molded bridge stop. E. E. Day. 2,511,397, June 13.
Construction for spectacles. B. M. Retz. 2,524,140, Oct. 3.
Construction for spinning or roving frames, Saddle, stirrup, and bearing. C. H. Williams. 2,496,765, Feb. 7.
Construction of bridges and the like. E. W. Roper. 2,525,726, Oct. 10.
Construction of cartons. L. W. Brulin. 2,529,675, Nov. 14.
Construction of composite metal articles. O. Hedlund. 2,505,896, May 2.
Construction of composite metal articles. J. H. Hoern. 2,513,939, July 4.
Construction of containers. R. B. Meller. 2,528,900, Nov. 7.
Construction of outlet frames for hoppers. G. B. Dorey. 2,493,393, Jan. 3.
Construction of piston rings. A. P. Fall. 2,504,671, Apr. 18.
Construction of suit and like cases. A. B. and S. H. Cole. 2,497,979, Feb. 21.
Construction of tanks, silos, and like vessels. M. Lintz. 2,501,951, Mar. 28.
Construction sealing between relatively rotating elements. A. L. Faccou. 2,509,091, May 23.
Contact apparatus, Gas-solid. F. C. Fahnestock. 2,522,354, Sept. 12.
Contact arm for self-resetting magnetic contact relays. A. H. Lamb. 2,494,622, Jan. 17.
Contact arrangement for vibrators. R. J. Aust. 2,519,731, Aug. 22.
Contact arrangement, Vibrator spring leaf. R. J. Aust and C. Huetten. 2,519,730, Aug. 22.
Contact assembly for plug-in devices. P. N. Martin. 2,505,979, May 2.
Contact bank for an automatic telephone switch including parallel elongated stationary conductors. G. T. Baker. 2,516,745, July 25.
Contact composition or the like, Electrical. G. Bellows, Jr. 2,519,872, Aug. 22.
Contact device. P. H. J. Brouwer. 2,520,526, Aug. 29.
Contact device, Electrical. A. Gavallet. 2,498,410, Feb. 21.
Contact device, Electrical. H. H. Raymond. 2,522,895, Sept. 19.
Contact device, Electrical. R. S. Thacker. 2,497,568, Feb. 14.
Contact device, Journal lubricator. J. J. Hennessy. 2,522,716, Sept. 19.
Contact for callpers, Auxiliary. J. F. Gallup, Sr. 2,529,931, Nov. 14.
Contact for connecting lamps in selectively rotated positions in screw sockets. N. Chirelstein. 2,523,357, Sept. 26.
Contact for electrical switches. L. H. Matthias and E. C. Ragatz. 2,496,555, Feb. 7.
Contact for small diameter telescopic antennas. T. R. Finke 2,520,497, Aug. 29.
Contact mass level control. E. R. Kehrer. 2,529,843, Nov. 14.
Contact masses, Molded. G. R. Bond, Jr. 2,507,496, May 16.
Contact pin for electric discharge tubes. J. J. van der Spek. 2,509,709, May 30.
Contact retaining means for electric switches, Movable. H. E. Schleicher. 2,519,855, Aug. 22.
Contact roll for electroplating. W. E. Winterhalter. 2,526,312, Oct. 17.
Contact spring operation and drive in automatic switch. C. R. Woodland. 2,535,771, Dec. 26.
Contact structure for electric circuit breakers. H. N. Schneider. 2,517,136, Aug. 1.
Contact structure, Movable. R. P. Sweger. 2,532,468, Dec. 5.
Contact tower for conversion under pressure of carbon monoxide and the like applications. O. Pintiaux. 2,530,314, Nov. 14.
Contact-type electrode holder. P. Tower. 2,525,381, Oct. 10.
Contacting. W. A. Hagerbaumer. 2,520,717, Aug. 29.
Contacting apparatus. G. L. Johnson, J. Happel, and J. W. McKee. 2,503,202, Apr. 4.
Contacting device, Traveling. B. W. Benbow. 2,501,203, Mar. 21.
Contacting finely divided solids and gases, Process and apparatus for. C. E. Jahnig. 2,518,693, Aug. 15.
Contacting gaseous fluids and solid particles. H. Z. Martin. 2,506,307, May 2.
Contacting solid particles and gaseous fluid, Process and apparatus for. C. E. Jahnig. 2,502,953, Apr. 4.
Contacting solids and gases. G. L. Matheson. 2,533,026, Dec. 5.
Contacting vapors with a solid catalytic material. J. A. Guyer. 2,526,657, Oct. 24.
Contactor. R. S. Hart. 2,529,080, Nov. 7.
Contactor. M. Wibell and R. B. Immel. 2,504,912, Apr. 18.
Contactor, Electrical. E. C. Thomson. 2,520,981, Sept. 5.
Contactor, Snap acting. P. G. Frerer. 2,508,381, May 23.
Container: *See*—

Adjustable container.
Aerial delivery container.
Ammunition container.
Article dispensing container.
Article holding and display container.
Automatic liquid container.
Automatic locking ammunition container.
Baby bottle container.
Baby food formula container.
Bait container.
Ball plant container.
Blade dispensing container.
Camouflaged syringe container.
Car key container.
Cartridge container.
Clothespin container.
Coated metal container.
Collapsible container.
Convertible container.
Cosmetic container.
Covered container.
Currency container.
Dispensing container.
Display container.
Double-walled container.
Drop dispensing container.
Dual-purpose container.
Easy opening container.
Easy packing container.
Filing container.
Firearm container.
Flexible container.
Fluid container.
Folding container.
Food storage container.
Garbage can container.
Gunstock ammunition container.
Hinged container.
Ink container.
Insulated shipping container.
Insulated storage container.
Key container.
Knockdown shipping container.
Lathe tool bit container.
Lipstick container.
Liquid dispensing container.
Live bait container.
Moisture conditioning tobacco container.
Multiple chamber container.
Multiple container.
Multiple-trip container.
Multiple unit container.
Noncrushable lunch-box pie container.
Nonspill liquid container.
Nursing container.
Palletized container.
Paper container.
Pocket-size tissue container.
Portable carrying and sleeping container.
Portable liquefied gas container.
Portable refrigerated container.
Powder container.
Powdered soap container.
Reaction and stratifying container.
Reclosure container.
Refractory lined container.
Refrigerated shipping container.
Refuse can container.
Reinforced fragile container.
Sanitary container.
Sealed container.
Self-perforating ink container.
Shipping container.
Show stand display container.
Signal-equipped container.
Tape container.
Telescopic container.
Tissue container.
Tobacco container.
Toilet paper container.
Transport container.
Umbrella container.
Ventilated corrugated board container.
Ventilated shipping container.
Waterproof flexible folding container.
Wrench container.

Container. J. J. Bauman. 2,521,278, Sept. 5.
Container. J. G. Bell. 2,512,602, June 27.

Container. C. P. Benjamin. 2,522,772, Sept. 19.
Container. J. P. Carroll. 2,524,766, Oct. 10.
Container. R. B. Cartwright. 2,501,842, Mar. 28.
Container. F. E. Chesney. 2,529,138, Nov. 7.
Container. W. B. Crane. 2,515,151, July 11.
Container. M. T. Derby. 2,503,380, Apr. 11.
Container. J. M. Field. 2,517,552, Aug. 8.
Container. A. A. Greenberg. 2,527,991, Oct. 31.
Container. M. T. Hunsworth. Re. 23,257, Aug. 22.
Container. R. W. McDermott. 2,528,603, Nov. 7.
Container. H. C. Miller. 2,493,922, Jan. 10.
Container. G. A. Moore. 2,508,962, May 23.
Container. L. Morgan. 2,527,025, Oct. 24.
Container. R. P. Peters. 2,522,058, Sept. 12.
Container. J. C. Seager and P. J. Jensen. 2,525,958, Oct. 17.
Container. K. S. Still. 2,494,456, Jan. 10.
Container. A. H. Warth. 2,530,413, Nov. 21.
Container. M. I. Williamson. 2,516,085, July 18.
Container and applicator for small articles. S. E. Pate. 2,531,152, Nov. 21.
Container and blank therefor, Reinforced edge transparent wall. A. B. Clunan. 2,500,484, Mar. 14.
Container and closure means therefor. C. H. Koeppel. 2,500,363, Mar. 14.
Container and closure therefor. R. Capey. 2,501,809, Mar. 28.
Container and closure therefor, Bag-type. F. Lobl. 2,499,150, Feb. 28.
Container and conditioner, Beverage. L. E. Rabjohn. 2,502,589, Apr. 4.
Container and deodorizer, Combination food. A. Sabath. 2,514,902, July 11.
Container and dispenser, Cigarette. H. W. Conley. 2,519,438, Aug. 22.
Container and dispenser, Paper cup. E. G. Gilbertsen. 2,520,538, Aug. 29.
Container and display insert. J. D. Clarke. 2,531,255, Nov. 21.
Container and display stand, Package. F. R. High. 2,498,757, Feb. 28.
Container and dropper, Liquid. A. Loeffler. 2,522,832, Sept. 19.
Container and heater, Combination. S. M. Brody. 2,512,712, June 27.
Container and insulating the same, Insulated. C. J. Schilling. 2,513,749, July 4.
Container and mold, Suppository. A. A. J. Kubik. 2,530,127, Nov. 14.
Container and opening key. N. Geertsen. 2,495,715, Jan. 31.
Container and server, Cake. F. C. Schnabel. 2,530,910, Nov. 21.
Container and support therefor, Beverage. L. E. Rabjohn. 2,494,719, Jan. 17.
Container and supporting means therefor, Rotatable. R. O. Ferguson. 2,506,864, May 9.
Container blanks with tear-strip tongues, Preparing. J. E. Socket. 2,95,294, Jan. 24.
Container bodies, Producing. G. K. Barger. 2,515,179, July 18.
Container capping structure. E. M. Enkur, L. F. Pahl, and L. L. Lauve. 2,532,900, Dec. 5.
Container closing apparatus. S. W. Dennis and E. Henschen. 2,533,437, Dec. 12.
Container closing machine. F. W. Krueger. 2,527,885, Oct. 31.
Container closure. S. W. Dennis. 2,497,870, Feb. 21.
Container closure. E. Gronemeyer and S. Cherba. 2,526,225, Oct. 17.
Container closure. R. H. Horning. 2,493,671, Jan. 3.
Container closure. A. E. Smith. 2,524,364, Oct. 3.
Container closure. C. J. Yates. 2,533,159, Dec. 5.
Container closure device. A. E. Smith. 2,524,607, Oct. 3.
Container closure with transparent window, Plug-type. P. V. Di Cosmo. 2,528,948, Nov. 7.
Container cooled by carbon dioxide ice, Refrigerator. C. B. Hall. 2,508,385, May 23.
Container cover and carrying device. C. T. Jackson. 2,511,852, June 20.
Container dispenser. G. Lieb. 2,516,061, July 18.
Container, dispenser, and lighter, Cigarette. P. J. Zanardo. 2,532,689, Dec. 5.
Container feed and control mechanism. B. C. Coons. 2,497,586, Feb. 14.
Container feed means. J. E. Grant. 2,524,700, Oct. 3.
Container filling machine. A. H. Stebbins. 2,530,211, Nov. 14.
Container filling machine and method. W. Berthelsen. 2,509,756, May 30.
Container filling machine, Rotatable suction. H. Hannover. 2,533,109, Dec. 5.
Container for a checkerboard and pieces. D. J. Horvath. 2,500,824, Mar. 14.
Container for a set of socket wrenches. D. D. Kane. 2,509,507, May 30.
Container for acetylene, Dispensing. M. H. Heeren. 2,528,692, Nov. 7.
Container for aqueous-vehicle liquid pharmaceutical preparations, Drain-clear. R. Goldman. 2,504,482, Apr. 18.
Container for articles of jewelry and the like. J. G. Allen. 2,517,758, Aug. 8.
Container for band-saw coils, Dispensing. G. R. Wilcox. 2,501,201, Mar. 21.
Container for carbon paper. F. Gianninoto. 2,502,214, Mar. 28.
Container for carbon paper and similar sheet material. F. H. Gibson. 2,529,288, Nov. 7.
Container for cosmetics. J. G. Baumgartner. 2,534,100, Dec. 12.
Container for fishhooks. L. W. Vogel. 2,499,042, Feb. 28.
Container for flat articles. S. P. Midouhas. 2,501,609, Mar. 21.
Container for fluid under pressure with manually operated, spring-biased valve and dashpot for delaying closing action thereof, Dispensing. R. Stevenson. 2,518,259, Aug. 8.
Container for gears or the like. H. D. Sutphen. 2,531,543, Nov. 28.
Container for greeting cards. G. W. Mack. 2,526,887, Oct. 24.
Container for holding a set of drills and punch. S. A. Cogsdill. 2,526,732, Oct. 24.
Container for holding cutting dies and tags, Sectional. J. D. Lockwood. 2,523,961, Sept. 26.
Container for injection medicines. H. C. Hagedorn. 2,533,165, Dec. 5.
Container for irregular shaped articles, Shipping. J. A. Farrell. 2,517,186, Aug. 1.
Container for liquefied gases. H. C. Kornemann and G. W. Patch, Jr. 2,520,883, Aug. 29.
Container for milk and the like. M. O. Kuhn. 2,495,110, Jan. 17.
Container for pastes, Collapsible tubelike. L. Rado. 2,517,027, Aug. 1.
Container for pigmented liquids. P. E. Knudsen and E. H. Heaton. 2,498,125, Feb. 21.
Container for powdered materials, Dispensing. J. W. Seigh. 2,535,871, Dec. 26.
Container for radioactive samples. J. F. Gifford. 2,533,102, Dec. 5.
Container for railway cars, Refrigerant. K. E. Zeidler. 2,532,473, Dec. 5.
Container for reels of leader material. R. E. Glahn. 2,517,866, Aug. 8.
Container for refuse. L. Hermani. 2,532,165, Nov. 28.
Container for sheet material, Dispensing. L. A. Smoak. 2,500,012, Mar. 7.
Container for solid and liquid food products. W. A. Ringler. 2,512,383, June 20.
Container for toothbrushes. W. K. Reichmuth. 2,508,773, May 23.
Container for water softeners and the like, Pressure. W. C. Heath. 2,532,227, Nov. 28.
Container forming apparatus. F. V. Collins. 2,514,937, July 11.
Container forming machine. S. R. Howard. 2,529,732, Nov. 14.
Container forming machine, Lined. J. G. Vergobbi. 2,533,642, Dec. 12.
Container having a sealing layer composed of a textile fabric coated with a mixed cellulose ester, Self-sealing fuel. W. A. Dickie and G. Rudorf. 2,500,158, Mar. 14.
Container having a slidably extensible pouring spout. K. H. Todd, P. L. Eisinger, and J. C. Vogt. 2,497,569, Feb. 14.
Container having a wire stacking ring, Wire. R. A. Bruce. 2,512,517, June 20.
Container having rigid side walls, Liquid tight sectional. E. A. Becker. 2,521,279, Sept. 5.
Container having spring biased sliding closure. J. M. Lyon, Jr. 2,531,737, Nov. 28.
Container insert, Ice cream. L. C. Rowe. 2,529,816, Nov. 14.
Container means and mixing preselected colored paints, Paint. I. Machleder. 2,528,530, Nov. 7.
Container partitioning device. F. C. Steinhauer. 2,496,964, Feb. 7.
Container partitions, Manufacturing collapsible cellular. W. C. George and A. P. Klasing. 2,494,437, Jan. 10.
Container punch for vent and spout openings, Adjustable. C. E. Jaeger. 2,501,817, Mar. 28.
Container screw cap and brush handle seal. A. R. and N. A. Hendry. 2,517,663, Aug. 8.
Container-sealing machine. J. E. Underwood. 2,507,427, May 9.
Container, Shipping, and transporting vehicles. D. Phelps. 2,521,088, Sept. 5.
Container support. A. A. Gayle. 2,501,895, Mar. 28.
Container support. G. C. Saunders. 2,524,639, Oct. 3.
Container top and closure therefor. J. Coyle and W. F. Punte. 2,535,840. Dec. 26.
Container with agitator mounted therein. W. S. Woodman. 2,493,210, Jan. 3.
Container with capillary controlled dispensing means. W. M. Day and R. L. Fryer, Jr. 2,495,230, Jan. 24.
Container with cap locking device. J. Ruetz. 2,532,641, Dec. 5.
Container with closure and closure puncturing dispensing spout. P. Alexander. 2,496,258, Feb. 7.
Container with heating coils, Water. J. Mosciaro. 2,508,794. May 23.

Container with measuring trap, Powder dispensing. H. A. Fink. 2,535,845, Dec. 26.
Container with pouring throat and connecting dispensing opening. G. C. Reid and S. S. Jacobs. 2,499,416, Mar. 7.
Container with provision for protecting corners of contents, Shipping. S. Stimmel. 2,526,052, Oct. 17.
Container with safety feature, Lipstick. D. A. Seaver. 2,510,422, June 6.
Container with self-locking top and bottom, Stacked jar. J. M. Iwata. 2,496,093, Jan. 31.
Container with spring latch closure. R. C. Shipley. 2,493,901, Jan. 10.
Container with valve controlled opening, Fluid. A. Smye. 2,530,092, Nov. 14.
Container with venting means responsive to internal vapor pressure, Gasoline dispensing. M. R. Olsen. 2,504,276, Apr. 18.
Container with window. M. C. Ricciardi. 2,532,857, Dec. 5.
Containers and apparatus therefor, Filling. H. A. Johnson. 2,493,583, Jan. 3.
Containers filled with liquids or pastes, Production of. L. Rado. 2,530,400, Nov. 21.
Containers for dropping from aircraft, Bomb and other stores. W. L. Lax and J. Harrison. 2,494,885, Jan. 17.
Containers, Manufacture of transparent knockdown. S. Bergstein. 2,500,338, Mar. 14.
Containers, Method and apparatus for manufacturing. K. Posner. 2,503,171, Apr. 4.
Containers, Reconditioning and converting. J. S. Tucker. 2,523,639, Sept. 26.
Containing and dispensing heat vaporizable chemical agents. D. E. Pearsall. 2,521,942, Sept. 12.
Containing filling machine with pedal operated vertically swingable hopper and vertically reciprocable plunger carrying rotatable tamping fingers. W. W. Mann. 2,522,884, Sept. 19.
Containing unit. F. O. Johnson. 2,532,066, Nov. 28.
Contamination from an atmosphere controlled furnace, Method of and means for removing. W. C. Hasselhorn. 2,529,155, Nov. 7.
Continuous centrifugal drier. J. Q. Buquoi, J. J. Noel, Jr., and E. J. Schexnaildre. 2,499,457, Mar. 7.
Continuous circular ingot-heating furnace. D. W. Lloyd. 2,499,926, Mar. 7.
Continuous feed tumbling mill. N. Ransohoff. 2,523,258, Sept. 19.
Continuous method and apparatus for making coiled structures. R. D. Collins. 2,525,285, Oct. 10.
Continuous process for the production and treatment of artificial threads. S. W. Barker. 2,525,760, Oct. 17.
Continuous process for the production and treatment of artificial threads and apparatus therefor. S. W. Barker, and G. L. Godman. 2,526,110, Oct. 17.
Continuous production of butter from sour cream. P. H. Staaff. 2,526,292, Oct. 17.
Continuous sample collecting device. F. T. Hall. 2,530,463, Nov. 21.
Contour cam, Variable. J. H. Staley. 2,517,142, Aug. 1.
Contour reproduction. E. Rathje, Jr. 2,508,468, May 23.
Contouring machine. R. B. Luckenbach. 2,517,901, Aug. 8.
Contouring machine, Aspheric. B. O'Brien. 2,506,734, May 9.
Contraction unit, Longitudinal. E. S. Mathers. 2,521,644, Sept. 5.
Control and distribution of fluids, Automatic. J. H. Wattson. 2,498,189, Feb. 21.
Control and ignition apparatus for gaseous fuel burners, Safety. C. K. Strobel. 2,515,476, July 18.
Control and ignition system for fuel burners. W. S. Kunzler. 2,501,850, Mar. 28.
Control and indicator apparatus for rectifiers. N. C. Olmstead. 2,503,405, Apr. 11.
Control and indicator for supersonic vehicles. F. A. Cleveland, II. 2,512,790, June 27.
Control and safety device against explosions of tubing and receivers in air compressing plants. E. E. Feneron. 2,532,488, Dec. 5.

Control apparatus. C. E. Baston. 2,512,295, June 20.
Control apparatus. A. J. Bielski. 2,509,471, May 30.
Control apparatus. C. A. Blakeslee. 2,509,329, May 30.
Control apparatus. S. Crum and H. W. Sandhoff. 2,493,476, Jan. 3.
Control apparatus. R. C. Davis. 2,495,160, Jan. 17.
Control apparatus. R. B. Drescher and A. C. Wenzel. 2,532,153, Nov. 28.
Control apparatus. H. F. Elliott. 2,496,453, Feb. 7.
Control apparatus. G. P. Frick. 2,528,589, Nov. 7.
Control apparatus. S. L. Gillespie. 2,496,284, Feb. 7.
Control apparatus. J. I. Haase. 2,522,264, Sept. 12.
Control apparatus. G. L. Haller and E. M. Williams. 2,505,182, Apr. 25.
Control apparatus. F. D. Joesting. 2,511,340, June 13.
Control apparatus. C. Johnson. 2,524,446, Oct. 3.
Control apparatus. W. H. Kliever. 2,530,775, Nov. 21.
Control apparatus. R. J. Kutzler and T. J. Wilson. 2,515,349, July 18.
Control apparatus. L. Lee, II. 2,502,573, Apr. 4.
Control apparatus. D. L. Markusen. 2,495,856, Jan. 31.
Control apparatus. R. P. Mattern. 2,522,721, Sept. 19.
Control apparatus. H. S. Phelan. 2,529,415, Nov. 7.
Control apparatus. J. F. Schoeppel and A. Palya. 2,524,998, Oct. 10.
Control apparatus. C. E. Smith. 2,501,478, Mar. 21.
Control apparatus. R. R. Stevens. 2,505,260, Apr. 25.
Control apparatus. R. R. Stevens. 2,524,487, Oct. 3.
Control apparatus. W. H. Wannamaker, Jr. 2,498,101, Feb. 21.
Control apparatus. W. H. Wannamaker, Jr., and J. C. Mouzon. 2,528,626, Nov. 7.
Control apparatus. R. F. Wild. 2,530,928, Nov. 21.
Control apparatus. R. L. Wilson. 2,499,805, Mar. 7.
Control apparatus. R. L. Wilson. 2,511,389, June 13.
Control apparatus. R. L. Wilson. 2,513,222, June 27.
Control apparatus and switch therefor. M. L. Nelson. 2,493,464, Jan. 3.
Control apparatus, Automatic transmission. J. A. Blair. 2,529,129, Nov. 7.
Control apparatus, Automatic tuning. H. O. Peterson. 2,507,735, May 16.
Control-apparatus, Electric. H. F. Elliott. 2,496,456, Feb. 7.
Control apparatus, Electronic. L. W. Marsh, Jr. 2,534,287, Dec. 19.
Control apparatus, Electronic. E. C. Thomson. 2,534,323, Dec. 19.
Control apparatus for alternating current. F. Kesselring. 2,531,443, Nov. 28.
Control apparatus for automatic welding heads. F. C. Knight and E. C. Cornell, Jr. 2,516,777, July 25.
Control apparatus for engine cooling systems, Pressure. R. W. Scoville. 2,528,791, Nov. 7.
Control apparatus for evaporators. E. L. Stilson. 2,519,608, Aug. 22.
Control apparatus for fluid fuel burners. P. B. Sagar. 2,505,432, Apr. 25.
Control apparatus for gas tubes. D. V. Edwards. 2,493,575, Jan. 3.
Control apparatus for gaseous fuel burners, Thermostatic safety. W. E. McCorquodale. 2,529,259, Nov. 7.
Control apparatus for internal-combustion engines. S. F. Hunt. 2,493,582, Jan. 3.
Control apparatus for internal-combustion engines. L. Lee, II. 2,502,574, Apr. 4.
Control apparatus for internal-combustion engines. L. Lee, II. 2,517,688, Aug. 8.
Control apparatus for polyphase systems. A. Winther. 2,498,057, Feb. 21.
Control apparatus for radio-frequency heating. B. A. Larys. 2,529,560, Nov. 14.
Control apparatus for radio receivers. R. C. Marholz. 2,503,058, Apr. 4.
Control apparatus for traveling letter signs. G. M. Pierce. 2,526,829, Oct. 24.
Control apparatus for vent condensers, Temperature. J. F. Sebald. 2,528,613, Nov. 7.
Control apparatus, Hydraulic. L. D. Epperson. 2,511,499, June 13.
Control apparatus, Multirevolution. M. N. Yardeny. 2,517,155, Aug. 1.
Control apparatus, Pneumatic. C. B. Moore. 2,501,957, Mar. 28.
Control apparatus, Pneumatic. C. B. Moore. 2,520,468, Aug. 29.
Control apparatus, Program. T. G. Gilley. 2,505,038, Apr. 25.
Control apparatus responsive to positional changes. W. E. Pakala. 2,512,372, June 20.
Control apparatus, Safety. J. A. Campbell. 2,498,483, Feb. 21.
Control apparatus, Temperature. L. A. Cox. 2,534,416, Dec. 19.
Control apparatus, Temperature. T. J. Lehane and E. H. Burgess. 2,522,286, Sept. 12.
Control apparatus with fine adjustment means, Auto-synchronous remote. M. N. Yardeny. 2,493,844, Jan. 10.
Control arm shaft and mounting therefor. W. H. Parker. 2,502,744, Apr. 4.
Control arrangement for a high-frequency heating device. H. F. Storm. 2,528,798, Nov. 7.
Control arrangement for boats, Dual steering. L. R. Hussa. 2,527,362, Oct. 24.
Control arrangement for electric circuit breakers. A. C. Boisseau and J. W. Beatty. 2,522,984, Sept. 19.
Control arrangement for fluid operated circuit breakers. J. W. Timmerman, Jr. and R. E. Bold. 2,500,777, Mar. 14.
Control arrangement for photographic cameras. H. N. Fairbanks. 2,494,038, Jan. 10.
Control arrangement for refrigerating systems. L. M. Kurtz. 2,531,136, Nov. 21.
Control attachment for weighing machines. R. Fischer. 2,516,456, July 25.
Control board. F. F. Pfeiffer. 2,511,370, June 13.
Control by capacitor discharge blocking. S. C. Rockafellow. 2,516,422, July 25.
Control by refractive index, Distillation. J. W. Latchum, Jr. 2,529,030, Nov. 7.
Control casing. J. Roos, Jr. 2,518,820, Aug. 15.
Control circuit. J. L. Boyer and W. E. Pakala. 2,534,754, Dec. 19.
Control circuit. W. W. H. Dean. 2,496,446, Feb. 7.
Control circuit. P. C. Michel and T. A. Rich. 2,505,565, Apr. 25.

Control circuit. J. E. Reilly. 2,504,878, Apr. 18.
Control circuit. H. J. Webb. 2,515,480, July 18.
Control circuit for accounting system devices, Electrical. J. W. Gooderham. 2,522,946, Sept. 19.
Control circuits. A. O. Adam, Jr., and R. C. Avery. 2,535,661, Dec. 26.
Control cock for gaseous fuel burners burning a mixture of two gases. H. T. Wilmarth. 2,520,591, Aug. 29.
Control composition, Turkey blackhead. E. Waletzky and H. W. Marson. 2,531,756, Nov. 28.
Control device. G. H. Berkholder. 2,495,087, Jan. 17.
Control device. C. W. Eichhorn. 2,518,129, Aug. 8.
Control device. C. G. Kronmiller. 2,493,294, Jan. 3.
Control device. E. B. Offutt. 2,520,370, Aug. 29.
Control device. R. J. Scheidt. 2,494,410, Jan. 10.
Control device. A. P. Simson. 2,493,323, Jan. 3.
Control device. J. O. Thorsheim. 2,522,411, Sept. 12.
Control device, Altitude responsive. J. H. Broadbent. 2,528,575, Nov. 7.
Control device and operator therefor. W. Hamilton. 2,521,973, Sept. 12.
Control device, Automatic weight. R. R. Crookston 2,534,700, Dec. 19.
Control device, Combined remote and proximal. E. J. Panish. 2,529,182, Nov. 7.
Control device, Electrical. M. L. Anthony and R. M. Virkus. 2,502,549–50, Apr. 4.
Control device, Electrical. A. W. Daschke. 2,493,060, Jan. 3.
Control device, Electrical. R. T. Pierce. 2,515,314, July 18.
Control device for cable control mechanisms. G. Bodinaux and A. Malchair. 2,529,447, Nov. 7.
Control device for change-speed transmissions. W. E. Leibing. 2,526,375, Oct. 17.
Control device for cloth-finishing machines. J. Dungler. 2,524,520, Oct. 3.
Control device for fuel burners. H. W. Rice. 2,504,048, Apr. 11.
Control device for gaseous fuel burners, Safety and condition. T. T. Arden. 2,513,705, July 4.
Control device for lifting pins on molding machines. H. J. Rothschild. 2,533,960, Dec. 12.
Control device for machine tools. L. A. Dailey. 2,500,933, Mar. 21.
Control device for machine tools, Electric tracer. J. Petschauer. 2,523,918, Sept. 26.
Control device for multiple burners, Fluid fuel. V. J. Evans. 2,509,679, May 30.
Control device for photographic color printers and enlargers. A. Simmon. 2,518,947, Aug. 15.
Control device for plural fluid motor operation. A. S. Ritter. 2,523,521, Sept. 26.
Control device for pneumatic tires, Pressure. M. Navarro, E. J. and A. E. Lovet. 2,510,052, June 6.
Control device for power operated members. H. W. Trevaskis. 2,511,384, June 13.
Control device for prime movers. E. J. Panish. 2,534,729, Dec. 19.
Control device for radio tuners. H. F. Elliott. 2,496,454, Feb. 7.
Control device for rotary reciprocating engines. B. L. Benzler. 2,517,279, Aug. 1.
Control device for the automatic recording of telephone conversations. R. E. Shvetz. 2,522,726–7, Sept. 19.
Control device for winding machines. E. J. Heizer and M. R. Stuart. 2,532,304, Dec. 5.
Control device, Gunsight superelevation. P. R. Wheeler. 2,504,168, Apr. 18.
Control device, Heat. C. C. Prince. 2,522,464, Sept. 12.
Control device in fuel injection pump. W. Johansen. 2,516,775, July 25.
Control device, Liquid level. J. I. McDaniel. 2,502,578, Apr. 4.
Control device, Thermostatic. H. Andrews. 2,494,079, Jan. 10.
Control device, Tone arm. R. W. Simon. 2,494,063, Jan. 10.
Control device, Turntable speed. P. Weathers. 2,505,630, Apr. 25.
Control device, Variable inductance. W. H. Wannamaker, Jr. 2,511,608, June 13.
Control device with impulse drive. M. N. Yardeny, R. Bernas, and S. Goldberg. 2,530,749, Nov. 21.
Control, Electric blanket. R. W. Drobisch. 2,522,753, Sept. 19.
Control fitting. J. R. Holicer. 2,516,387, July 25.
Control for a plurality of fluid pressure motors. G. E. Jansson. 2,523,572, Sept. 26.
Control for air conditioning systems. W. J. Hajek. 2,531,037, Nov. 21.
Control for aircraft. G. B. Scheer. 2,511,446, June 13.
Control for aircraft drives. E. J. Greenwood. 2,534,168, Dec. 12.
Control for aircraft, Flying. H. Knowler and P. H. Knowler. 2,508,883, May 23.
Control for alternating current motors. E. W. Seeger and N. L. Schmitz. 2,512,000, June 20.
Control for automatic transmissions. R. Brunken, H. J. Heck, and W. R. Howard. 2,503,434, Apr. 11.
Control for automatic transmissions, Oil pressure. E. J. Farkas and J. W. Rackle. 2,528,585, Nov. 7.
Control for automatic washing machines. T. T. Woodson. 2,526,444, Oct. 17.
Control for automatically reversing the carriage feed of a lathe. G. L. Coffey. 2,521,901, Sept. 12.
Control for axminster loom tube frame conveyer systems. W. H. Wakefield. 2,521,430, Sept. 5.
Control for boiler feed pumps, Automatic. L. P. Backus. 2,518,654, Aug. 15.
Control for carburetor throttle valves, Automatic. H. S. Brown, W. E. Armstrong, and J. V. Reichenbach. 2,529,243, Nov. 7.
Control for clutch and engine throttles. E. E. Wemp. 2,505,447, Apr. 25.
Control for code type communication systems, Automatic field start. J. I. Vaughn. 2,506,527, May 2.
Control for combine table elevators, Automatic. G. J. Herigstad. 2,514,764, July 11.
Control for combined ailerons and flaps. C. R. Billington. 2,522,159, Sept. 12.
Control for concrete mixers and the like. A. McMillan, G. K. Viall, A. E. Miller and G. D. Carter. 2,519,391, Aug. 22.
Control for coolants in liquid cooled motors. L. J. Sohler. 2,500,472, Mar. 14.
Control for cutting machines. A. H. Hermann. 2,530,880, Nov. 21.
Control for electric blankets and the like. D. C. Spooner, Jr., and G. C. Crowley. 2,525,463, Oct. 10.
Control for electric circuit. W. H. Bruns. 2,525,769, Oct. 17.
Control for electric circuits. W. H. Bruns. 2,525,767, Oct. 17.
Control for electric ranges, H. W. Schulze. 2,515,427, July 18.
Control for electric water kettles. D. L. McFarland. 2,509,008, May 23.
Control for electrical heating elements, Thermostatic. G. W. Crise. 2,499,906, Mar. 7.
Control for electrical tuners and couplers, Common. A. E. Harrison. 2,498,078, Feb. 21.
Control for engine generator units. D. R. Staples. 2,500,882, Mar. 14.
Control for fence welding machines, Electrical. H. E. Griesemer. 2,497,260, Feb. 14.
Control for flash-welding machines. A. H. McPhee and D. B. Johnston. 2,509,606, May 30.
Control for fluid couplings, Fluid circulation. J. E. Becker. 2,508,442, May 23.
Control for fluid-pressure actuated devices. J. S. Edison. 2,505,887, May 2.
Control for gas burners, Automatic safety. R. E. Newell. 2,499,253, Feb. 28.
Control for gas turbines, Fuel feed. G. M. Holley, Jr. 2,508,260, May 16.
Control for heating systems, Automatic. H. Baxter and J. L. Markis. 2,530,563, Nov. 21.
Control for heating units, Air Circulator. A. D. Olds. 2,499,523, Mar. 7.
Control for hydraulic brakes, Auxiliary. D. Collins. 2,506,543–4, May 2.
Control for hydraulic motors. O. E. Rosen. 2,502,234, Mar. 28.
Control for ice-cream freezers. S. J. Mikina. 2,530,981, Nov. 21.
Control for intermittent drives. W. A. Freer. 2,492,979, Jan. 3.
Control for internal-combustion engines. K. V. Anderson. 2,504,243, Apr. 18.
Control for internal-combustion engines, Governor. G. S. Weinberger. 2,529,437, Nov. 7.
Control for label-applying machines, Picker. S. T. Carter. 2,528,944, Nov. 7.
Control for machine tools, Hydraulic. F. M. Tomlinson. 2,505,221, Apr. 25.
Control for milking machines, Milk flow. A. G. Perkins. 2,496,307, Feb. 7.
Control for molding sand, Temper. T. K. Riggen. 2,508,540, May 23.
Control for motor vehicle transmissions. M. C. Robinson. 2,532,945, Dec. 5.
Control for motor vehicles, Hand. J. A. N. Dubreuil. 2,529,076, Nov. 7.
Control for motors, Antiplugging. J. G. Eisenberg, now by judicial change of name J. G. Elwood. 2,494,611, Jan. 17.
Control for oscillators, Frequency. J. H. Homrighous. 2,500,356, Mar. 14.
Control for photographic recording apparatus. A. E. Schubert. 2,521,951.
Control for plan position indicator. C. W. Sherwin and R. E. Meagher. 2,512,779, June 27.
Control for plunger lifts. D. G. Knox and J. G. Abraham. 2,508,174, May 16.
Control for pot-type burners, High-low. G. D. Bower. 2,504,174, Apr. 18.
Control for pulse echo position indicator systems, Brightness. H. B. De Vore. 2,510,687, June 6.
Control for refrigerated trucks. C. F. Henney. 2,518,316, Aug. 8.
Control for refrigeration. S. W. E. Andersson. 2,502,069, Mar. 28.
Control for refrigeration systems. H. F. Lathrop. 2,524,813, Oct. 10.

Control for spinning frames or the like, Constant tension speed-varying. G. M. Heller and P. B. Reeves. 2,507,904, May 16.
Control for steam boilers or tanks, Automatic. C. L. Oliver. 2,530,073, Nov. 14.
Control for stoker supplied furnaces, Overfire air blower. P. G. Frerer. 2,497,879, Feb. 21.
Control for superchargers, Automatic. J. Szydlowski. 2,506,248, May 2.
Control for systems using either heating or cooling medium. C. D. Branson. 2,535,892, Dec. 26.
Control for tandem rotored helicopters. E. Daland and D. N. Meyers. 2,532,483, Dec. 5.
Control for the conduction of combustion air. H. F. Lyons. 2,494,342, Jan. 10.
Control for tiltable mixing drums. B. Essick. 2,494,118, Jan. 10.
Control for variable-speed gears on cycles. T. A. Yapp. 2,534,566, Dec. 19.
Control for variable-speed transmissions. R. S. Segsworth. 2,500,580, Mar. 14.
Control for vehicle braking systems. J. G. Oetzel. 2,516,904, Aug. 1.
Control for velocity-modulation tubes, Unitary. R. H. Hoglund, G. E. Hulstede and A. J. Yakutis. 2,496,535, Feb. 7.
Control for water heaters, Automatic. W. R. Weeks. 2,531,180, Nov. 21.
Control for water softening apparatus. L. G. Lindsay. 2,535,432, Dec. 26.
Control for welding machine. A. W. Steinberger. 2,529,111, Nov. 7.
Control for welders, Safety. J. B. Welch. 2,494,847, Jan. 17.
Control for wind-driven propellers, Automatic. A. Osterback. 2,493,895, Jan. 10.
Control for zone heating systems. J. L. Markis and H. Baxter. 2,530,581, Nov. 21.
Control grid. H. W. Parker. 2,501,002, Mar. 21.
Control instrument. G. W. Kuntny. 2,535,430, Dec. 26.
Control knob. H. D. Brotman. 2,498,835, Feb. 28.
Control lever. J. E. Bartrug. 2,522,339, Sept. 12.
Control loading system for flight training apparatus. R. V. Heller. 2,510,174, June 6.
Control machine panel for switch and signal control systems. J. F. Merkel. 2,507,921, May 16.
Control manifold, Refrigerant. S. A. Shapiro. 2,528,557, Nov. 7.
Control materials, Plant growth. W. R. Mullison. 2,523,227–8, Sept. 19.
Control means. K. A. Doutt. 2,531,033, Nov. 21.
Control means. R. J. Ifield. 2,534,821, Dec. 19.
Control means for adjusting aperture size and shutter speed of cameras, Combined. M. N. Fairbank. 2,504,312, Apr. 18.
Control means for auxiliary transmissions, Fluid. F. M. Hogue. 2,529,393, Nov. 7.
Control means for dynamic braking. A. C. Dyer. Re. 23,312, Dec. 26.
Control means for dynamic braking. A. C. Dyer. 2,497,492, Feb. 14.
Control means for electric steam generators. K. Toensfeldt. 2,535,569, Dec. 26.
Control means for electric typewriters. W. H. Henrich. 2,512,860, June 27.
Control means for fuel metering systems. G. E. Beardsley, Jr. 2,510,368, June 6.
Control means for home moving picture apparatus. C. J. Hull. 2,507,976, May 16.
Control means for hydraulic mechanism, Follow-up. W. H. Worthington. 2,511,393, June 13.
Control means for multiple hydraulic jacks. R. O. Bill. 2,499,563, Mar. 7.
Control means for music boxes. A. Bergen. 2,504,918, Apr. 18.
Control means for paired rolls within rotary housing, Feed and discharge. C. A. Dreisbach. 2,506,267, May 2.
Control means for regulating feathering members. D. B. Dewey. 2,501,994, Mar. 28.
Control means for sound-slide film projectors. S. B. Coleman. 2,498,070, Feb. 21.
Control means for tandem disk harrows, Elevational. R. T. Evans and J. H. Clasen. 2,494,381, Jan. 10.
Control means for the blades of the sustaining rotor of a rotary-wing aircraft. R. Hafner. 2,493,869, Jan. 10.
Control means for tractor-connected implements. R. D. Acton. 2,513,906, July 4.
Control means for turbo-prop units. W. H. Lindsey and B. H. Slatter. 2,525,694, Oct. 10.
Control means for various machines through a Leonard group or the like, including a motor with a field-controlled speed. G. G. Mozzanini and M. Lebertre. 2,521,801, Sept. 12.
Control means of clutches. A. C. Sampietro and D. R. Robertson. 2,513,521, July 4.
Control mechanism. E. H. Birdsall. 2,517,079, Aug. 1.
Control mechanism. E. P. Bullard, III. 2,511,821, June 13.
Control mechanism. E. P. Bullard, III. 2,528,736, Nov. 7.
Control mechanism. W. W. Diener. 2,524,343, Oct. 3.
Control mechanism. O. F. Dreffein. 2,502,780, Apr. 4.
Control mechanism. H. F. Elliott. 2,496,457, Feb. 7.
Control mechanism. A. Hakanson. 2,492,988, Jan. 3.
Control mechanism. H. B. Patten. 2,519,598, Aug. 22.
Control mechanism. E. H. White. 2,501,245, Mar. 21.
Control mechanism. O. H. Williford. 2,523,408, Sept. 26.
Control mechanism and stabilizer. J. M. Nissen. 2,516,142, July 25.
Control mechanism, Carriage positioning. W. M. Harrison. 2,502,321, Mar. 28.
Control mechanism, Electric. J. B. Whitted. 2,496,187, Jan. 31.
Control mechanism, Electrical. A. F. Rehnberg and J. Nelson. 2,520,014, Aug. 22.
Control mechanism, Fluoroscopic shutter. H. Blatz and R. R. Roberts. 2,502,200, Mar. 28.
Control mechanism for aircraft. C. Weisman. 2,505,020, Apr. 25.
Control mechanism for aircraft engines and superchargers. H. A. Alexanderson and H. A. Wheeler. 2,495,564, Jan. 24.
Control mechanism for bowling pin spotting machines. W. C. Broekhuysen. 2,525,766, Oct. 17.
Control mechanism for calculating machines. Clutch. R. A. Christian and W. L. Paden. 2,500,346, Mar. 14.
Control mechanism for chucks. J. J. Jursinovic. 2,494,764, Jan. 17.
Control mechanism for circuit breakers. M. E. Horn and T. Lindstrom. 2,523,116, Sept. 19.
Control mechanism for concrete mixers, Automatic. W. H. Buelow. 2,519,346, Aug. 22.
Control mechanism for conveyer belts, Automatic tracking. M. P. W. Blaber. 2,511,194, June 13.
Control mechanism for corn picker elements. E. K. Karlsson and A. H. Keller. 2,527,823, Oct. 31.
Control mechanism for Diesel engines. E. Grieshaber and K. Froehlich. 2,535,571, Dec. 26.
Control mechanism for epicyclic gearboxes. G. P. Roberts. 2,529,741, Nov. 14.
Control mechanism for fire doors. J. P. De Laney. 2,528,869, Nov. 7.
Control mechanism for flush tank valves, Dual flow. R. H. Stegeman. 2,526,294, Oct. 17.
Control mechanism for gas producer units, Automatic ash level. J. Fallon. 2,506,782, May 9.
Control mechanism for gravimetric feeders. E. E. Harper. 2,505,491, Apr. 25.
Control mechanism for helicopters. C. M. Selbel. 2,535,164, Dec. 26.
Control mechanism for hydraulic apparatus. C. E. Adams. 2,527,051, Oct. 24.
Control mechanism for hydraulic power units. J. F. Morse. 2,523,665, Sept. 26.
Control mechanism for machine tools. E. K. Morgan. 2,499,152, Feb. 28.
Control mechanism for marine steering gear. J. F. Morse. 2,495,536, Jan. 24.
Control mechanism for metering gases to fluids. E. W. Barbee. 2,498,196, Feb. 21.
Control mechanism for model airplanes. W. L. Effinger, Jr. 2,523,902, Sept. 26.
Control mechanism for motor vehicles, Dual. A. L. Rice. 2,512,876, June 27.
Control mechanism for outboard motors. S. E. Schroeder. 2,508,803, May 23.
Control mechanism for pumps. W. C. Westbrook. 2,535,617, Dec. 26.
Control mechanism for stud securing apparatus. W. S. Miles. 2,499,227, Feb. 28.
Control mechanism for the doors of material distributing receptacles. G. K. Viall. 2,511,311, June 13.
Control mechanism for variable-speed transmissions. M. Mallory. 2,499,071, Feb. 28.
Control mechanism for weightless window sashes. J. Sciacca. 2,501,586, Mar. 21.
Control mechanism for winches and the like. A. Zwald. 2,515,434, July 18.
Control mechanism, Gear shift. A. F. Bennett, G. B. Hirsch, and W. A. Gigger. 2,529,067, Nov. 7.
Control mechanism, Magnetic. B. L. Binford. 2,503,089, Apr. 4.
Control mechanism, Manual. G. H. Fisher. 2,512,770, June 27.
Control mechanism, Pressure actuated. E. E. Harper. 2,529,252, Nov. 7.
Control mechanism, Snap acting. O. H. Kaminky. 2,513,804, July 4.
Control mechanism, Transmission. J. B. Armitage. 2,522,206, Sept. 12.
Control mechanism, Transmission. H. D. Hukill. 2,522,228, Sept. 12.
Control of aircraft. J. Lloyd. 2,523,579, Sept. 26.
Control of catalyst promoter in a hydrocarbon conversion process, Automatic. J. L. Groebe. 2,518,307, Aug. 8.
Control of corrosive conditions in condensers of a fixed bed catalytic cracking unit. C. H. Whitacre. 2,499,435, Mar. 7.
Control of distillation columns. C. P. Stanley. 2,504,464, Apr. 18.
Control of electric motors for operation of wing flaps of aircraft. D. P. Alexander. 2,498,231, Feb. 21.

Control of electron discharge device of area selection type. G. W. Brown. 2,519,172, Aug. 15.
Control of electrostatic fields. E. M. Ransburg and E. P. Miller. 2,509,277, May 30.
Control of end clearances of rotors. G. E. Chittenden. 2,498,911, Feb. 28.
Control of engine cylinder temperatures. R. N. Wallace. 2,533,156, Dec. 5.
Control of fluid motors, Two station. S. G. Down. 2,512,013, June 20.
Control of foaming. C. S. Carlson and H. T. Oakley. 2,497,150, Feb. 14.
Control of free piston type internal-combustion compressors. R. J. Welsh and R. H. Block. 2,520,295, Aug. 29.
Control of free piston type internal-combustion engines. R. J. Welsh. 2,520,294, Aug. 29.
Control of hot-blast temperatures, Automatic. T. H. Kennedy and E. T. Mortson. 2,519,475, Aug. 22.
Control of plural arc welding. W. S. Schaefer. 2,527,336, Oct. 24.
Control of polyphase slip ring induction motors. E. Pell. 2,519,196, Aug. 15.
Control of radio transmitters and the like, Automatic. V. H. Vogel. 2,502,396, Mar. 28.
Control of refrigeration. A. B. Newton. 2,521,247, Sept. 5.
Control of the velocity of phase propagation of electric waves in wave guides. R. E. Clapp. 2,527,477, Oct. 24.
Control of thermal power plants of the closed circuit type, Method of and apparatus for. F. Salzmann. 2,495,604, Jan. 24.
Control or signaling system. F. P. Gohorel. 2,512,639, June 27.
Control pedal assembly. R. Kress and G. Griswold. 2,516,397, July 25.
Control response trainer for aircraft pilots. R. C. Dehmel. 2,522,434, Sept. 12.
Control scheme for mass spectrometers. J. A. Hipple, Jr. 2,508,163, May 16.
Control set for machine tools and hoisting or lifting apparatus, Portable. C. W. Berthiez. 2,516,043, July 18.
Control structure for electrically heated devices. P. J. McCullough. 2,503,959–60, Apr. 11.
Control surface for aircraft, Coupled. J. B. Kendrick. 2,500,689, Mar. 14.
Control switch. J. W. Bitler. 2,520,709, Aug. 29.
Control system. J. R. Boykin. 2,498,242, Feb. 21.
Control system. G. W. Brady. 2,499,813, Mar. 7.
Control system. J. H. Cox and H. A. Rose. 2,515,989, July 18.
Control system. E. T. Davis. 2,496,860, Feb. 7.
Control system. W. F. Eames. 2,501,320, Mar. 21.
Control system. I. E. Grosdoff. 2,519,184, Aug. 15.
Control system. A. C. Hall. 2,516,698, July 25.
Control system. E. C. Hariwig. 2,496,719, Feb. 7.
Control system. A. J. Hornfeck. 2,495,844, Jan. 31.
Control system. R. M. Jolly. 2,525,488–9, Oct. 10.
Control system. M. F. Jones. 2,508,167, May 16.
Control system. J. L. Kimball. 2,499,760, Mar. 7.
Control system. R. J. Kochenburger. 2,529,085, Nov. 7.
Control system. A. E. Krogh. 2,509,827, May 30.
Control system. F. Landau. 2,526,882, Oct. 24.
Control system. L. G. Riley. 2,523,142, Sept. 19.
Control system. F. B. Schramm. 2,493,365, Jan. 3.
Control switch. D. M. Vaughan. 2,516,163, July 25.
Control system, Accelerating and braking. D. E. Findley. 2,528,504, Nov. 7.
Control system, Air traffic. N. B. Coley. 2,515,633, July 18.
Control system, Airplane approach. O. S. Field, S. N. Wight, and R. W. Hewes. 2,495,140, Jan. 17.
Control system and apparatus, Circuit breaker. A. C. Kelle. 2,528,694, Nov. 7.
Control system and switch, Engine starting. W. Schaelchlin and K. Mahnke. 2,519,293, Aug. 15.
Control system, Antenna tuning. W. B. Morrison. 2,498,340, Feb. 21.
Control system, Antidetonant flow. T. A. Dickey. 2,495,231, Jan. 24.
Control system, Antihunting electrical. R. B. J. Brunn. 2,502,308, Mar. 28.
Control system, Automatic frequency. S. Frankel. 2,510,095, June 6.
Control system, Automatic gain. T. G. Arnold, Jr. 2,500,505, Mar. 14.
Control system, Automatic gain. S. C. Spielman. 2,529,428, Nov. 7.
Control system, Automatic humidity. F. H. E. Read and W. M. Smith. 2,504,278, Apr. 18.
Control system, Automatic maximizing. J. Dyson. 2,499,182, Feb. 28.
Control system, Automatic stabilizing. F. W. Meredith. 2,503,346, Apr. 11.
Control system, Automatic throttle. G. A. Fisher. 2,528,745, Nov. 7.
Control system, Automatic volume. A. Frum. 2,510,097, June 6.
Control system, Burner. W. D. Hall. 2,503,260, Apr. 11.
Control system, Cabin pressure. J. M. Kemper. 2,513,332, July 4.
Control system, Chuck magnetizing and demagnetizing. H. F. Storm. 2,529,198, Nov. 7.
Control system, Electric. C. F. Bauersfeld and M. A. Edwards. 2,502,119, Mar. 28.
Control system, Electric follow-up. C. Dannatt and F. H. Belsey. 2,528,486, Nov. 7.
Control system, Electric temperature. F. J. Hooven. 2,522,826, Sept. 19.
Control system, Electric winch. K. Mahnke and E. B. Ankenman. 2,493,005, Jan. 3.
Control system, Electrical. P. H. Houser. 2,505,546, Apr. 25.
Control system, Electronic. E. L. Deeter. 2,503,248, Apr. 11.
Control system, Electronic. H. S. Hendrickson. 2,523,299, Sept. 26.
Control system, Fluid flow. R. T. Cowan. 2,504,304, Apr. 18.
Control system for air-conditioning apparatus. W. Ewald and C. E. Miller. 2,520,535, Aug. 29.
Control system for aircraft, Pilot operated. C. L. Weaver. 2,533,702, Dec. 12.
Control system for aircraft, Radiant energy. R. S. Pizer. 2,530,725, Nov. 21.
Control system for alternating current motors. W. L. Barclay, Jr. 2,498,236, Feb. 21.
Control system for automatic phonographs, Remote. L. L. Galinski. 2,516,310, July 25.
Control system for circuit breakers, Overcurrent responsive relay. C. O. Wood. 2,516,167, July 25.
Control system for closure means. C. F. Teichmann. 2,499,889, Mar. 7.
Control system for Diesel-electric locomotives. R. M. Strong. 2,501,360, Mar. 21.
Control system for direct-current motors. K. P. Puchlowski. 2,512,378, June 20.
Control system for direct-current motors, Remote. S. Wald. 2,508,082, May 16.
Control system for doors. F. S. Jenkins. 2,533,116, Dec. 5.
Control system for driers. M. J. Erisman and W. W. Coffin. 2,525,535, Oct. 10.
Control system for dual firing rate oil burners. R. M. Cochrane. 2,504,250, Apr. 18.
Control system for dynamoelectric machines, Electronic. H. H. Leigh. 2,494,340, Jan. 10.
Control system for dynamoelectric machines with differentially excited fields. T. B. Montgomery. 2,523,046, Sept. 19.
Control system for electric discharge tubes, Lead-trail. H. I. Stanback and E. G. Anger. 2,520,477, Aug. 29.
Control system for electric motors. W. H. Payne. 2,519,599, Aug. 22.
Control system for electric valves. E. Schorno. 2,498,457, Feb. 21.
Control system for electrical motors. S. L. Moore. 2,502,167, Mar. 28.
Control system for electroresponsive devices. W. L. Smith. 2,527,280, Oct. 24.
Control system for electrostatic bonding. C. P. Sweeny. 2,504,754, Apr. 18.
Control system for engines. Oil temperature. G. H. Hoskinson. 2,524,798, Oct. 10.
Control system for gas burners, Safety shutoff. R. Matthews. 2,513,578, July 4.
Control system for gas lines, Pulsation and flow. B. G. Aldridge. 2,501,751, Mar. 28.
Control system for gaseous fuel burners, Safety. P. R. Marvin. 2,518,804, Aug. 15.
Control system for heaters. W. D. Hall. 2,503,261, Apr. 11.
Control system for heating apparatus having a number of heating zones for heating work. J. Kniveton. 2,518,905, Aug. 15.
Control system for high-frequency induction heating apparatus. H. F. Storm. 2,521,880, Sept. 12.
Control system for hydraulically actuated valves and the like. J. W. Lincoln. 2,494,183, Jan. 10.
Control system for hydraulically driven machine tool elements. E. Y. Seborg. 2,496,756, Feb. 7.
Control system for ignitron tubes. G. J. Lexa. 2,535,499, Dec. 26.
Control system for internal-combustion engines, Starter motor. E. F. McCracken. 2,497,462, Feb. 14.
Control system for magnetic reproducers, Indexing and speed. J. Neufeld. 2,496,103, Jan. 31.
Control system for mechanically coupled induction motors. J. B. Young and A. J. Riches. 2,500,595, Mar. 14.
Control system for multiple turbine installations, Fluid pressure. H. C. May. 2,515,962, July 18.
Control system for phonographic reproduction or the like, Electronic fade-in. J. W. Buchholzer and R. B. Drabenstott. 2,515,111, July 11.
Control system for plural conveyer organization, Electrical. C. O. Wood. 2,510,163, June 6.
Control system for plural prime mover dynamo plants. J. V. Kresser. 2,501,340, Mar. 21.
Control system for recording cutters and the like, Feedback. H. F. Olson. 2,516,338, July 25.
Control system for reel devices. J. R. Wrathall. 2,516,038, July 18.

Control system for regulating quantities, forces, or other factors. D. C. McCrary and J. D. Dent. 2,505,420, Apr. 25.
Control system for regulating the rate of flow of liquids or other materials capable of flowing. W. K. Porteous. 2,524,540, Oct. 3.
Control system for rewinder reel drives. A. T. Bacheler and T. M. Greer. 2,519,218, Aug. 15.
Control system for split coil heaters. P. P. Briggs and R. E. Loebeck. 2,515,490, July 18.
Control system for starting multiple speed synchronous motors. F. K. Brainard and W. L. Ringland. 2,510,045, May 30.
Control system for switch devices. R. P. Hanna and J. C. Ponstingl. 2,523,112, Sept. 19.
Control system for synchronous motors, Starting. W. Schaelchlin. 2,530,997, Nov. 21.
Control system for thyratrons. B. A. Knauth and P. H. Chin. 2,522,520, Sept. 19.
Control system for turbo jet engines with reheat fuel supply system. A. R. D. Robson. 2,520,434, Aug. 29.
Control system for variable pitch propellers. T. M. Ferrill, Jr. 2,499,376, Mar. 7.
Control system for window heaters. C. L. Mershon. 2,530,980, Nov. 21.
Control system, Frequency. F. B. Woodworth and F. A. Lindley, Jr. 2,528,632, Nov. 7.
Control system, Lost motion. W. D. Hall. 2,503,259, Apr. 11.
Control system, Machine-tool. L. W. Herchenroeder. 2,498,272, Feb. 21
Control system, Magnetic. A. M. Candy. 2,493,388, Jan. 3.
Control system, Modulation-free gain. G. B. Loper, 2,515,456, July 18.
Control system, Motor. J. O. Thorsheim. 2,529,116, Nov. 7.
Control system, Positional. H. L. Hull, R. C. Goertz, and W. C. Hartman. 2,526,665, Oct. 24.
Control system, Radio. E. S. Purington. 2,510,139, June 6.
Control system, Register. L. U. C. Kelling and L. H. Sheets. 2,529,161, Nov. 7.
Control system, Remote position. G. Deakin. 2,498,654, Feb. 28.
Control system, Remote self-synchronous. A. G. Cooley. 2,499,132, Feb. 28.
Control system, Selectivity. M. G. Crosby. 2,514,443, July 11.
Control system, Speed. G. C. Sziklai. 2,531,834, Nov. 28.
Control system, Step regulator. L. C. Aicher. 2,512,989, June 27.
Control system, Thermostatically actuated. W. B. Elmer. 2,498,259, Feb. 21.
Control system, Thyratron. P. H. Chin and B. A. Knauth. 2,528,688, Nov. 7.
Control system, Voice input. W. F. Ebert. 2,497,075, Feb. 14.
Control system with automatic response adjustment. W. I. Caldwell. 2,517,081, Aug. 1.
Control system with instantaneous overvoltage protection, Delayed voltage. T. G. A. Sillers. 2,506,282, May 2.
Control system with remote set point adjustment and with remote indication. G. E. Howard. 2,529,875, Nov. 14.
Control track sound distribution system and record therefor. E. W. Kellogg. 2,499,587, Mar. 7.
Control-transfer circuit. J. B. Doak. 2,521,904, Sept. 12.
Control unit. L. S. Brennan. 2,495,691, Jan. 31.
Control unit for brake systems, Nonaccumulating pressure. L. A. Majneri. 2,516,229, July 25.
Control unit for indicators of cooking ranges. R. G. Sheidler. 2,494,904, Jan. 17.
Control unit for light signals. W. B. Wells. 2,503,786, Apr. 11.
Control unit for motors with belt drives. P. F. Craton. 2,528,581, Nov. 7.
Control unit for oil burners, Air. C. W. Smith. 2,531,538, Nov. 28.
Control unit, Hydraulic tool. A. P. Waterson. 2,516,495, July 25.
Control valve. R. C. Baker. 2,509,470, May 30.
Control valve. R. J. Ifield. 2,524,444, Oct. 3.
Control valve and the like control indicator, Automatic. J. Dauber and P. Berndt. 2,527,119, Oct. 24.
Control valve and vaporization system, Safety shutoff and regulating flow. C. O. Henneman. 2,517,484, Aug. 1.
Control valve mechanism. H. C. May. 2,508,181, May 16.
Controllable aromatic dispenser. A. E. Drake. 2,500,896, Mar. 14.
Controlled cycle relief valve. A. D. Krugler. 2,502,525, Apr. 4.
Controlled width pulse generator. M. H. Kanner. 2,496,543, Feb. 7.
Controller. C. B. Ives. 2,529,254, Nov. 7.
Controller. A. E. Kittredge. 2,533,587, Dec. 12.
Controller. C. F. Miller. 2,534,724, Dec. 19.
Controller, Cluster. M. I. Taylor. 2,506,118, May 2.
Controller, Electric. C. Weisman. 2,523,346, Sept. 26.
Controller, Electric circuit. E. T. Grant. 2,501,507, Mar. 21.
Controller, Fluid-pressure. F. Aagaard. 2,517,820, Aug. 8.
Controller for available heat, Furnace. H. C. McRae. 2,499,964, Mar. 7.
Controller for dental engines and the like. D. J. Binus and J. A. Maurer. 2,531,764, Nov. 28.
Controller for magnetic induction accelerators. W. F. Westendorp. 2,535,710, Dec. 26.
Controller for sewing machines, Thread. F. F. Zeier. 2,525,088, Oct. 10.
Controller for slip-ring alternating current motors. E. Pell. 2,508,771, May 23.
Controller of fluid-pressure type, Automatic. J. H. McLeod, Jr. 2,507,606, May 16.
Controller, Level. A. Lippman, Jr. 2,498,089, Feb. 21.
Controller, Pressure responsive speed. R. F. Wehrlin and R. Young. 2,507,326, May 9.
Controller, Saturable magnetic shunt. G. G. Landis. 2,500,189, Mar. 14.
Controller, Stock. R. E. Bowen. 2,498,876, Feb. 28.
Controller, Temperature. A. B. Newton. 2,505,255, Apr. 25.
Controller, Timed cycle. H. B. Ellis. 2,510,465, June 6.
Controller, Vehicle actuated traffic. V. W. Leonard. 2,506,368, May 2.
Controlling apparatus. K. H. Blomberg. 2,499,451, Mar. 7.
Controlling apparatus, Electrical. J. D. Russell. 2,512,880, June 27.
Controlling apparatus for interlocked home signals, Railway traffic. J. R. Myers. 2,494,959, Jan. 17.
Controlling bit action. W. H. Clapp. 2,495,364, Jan. 24.
Controlling catalyst regeneration temperature. C. V. Berger. 2,492,948, Jan. 3.
Controlling combustion in internal-combustion engines. O. Appel. 2,531,493, Nov. 28.
Controlling deoxidation of steel and adding alloys thereto. F. H. Meng and J. D. Tyson. 2,501,532, Mar. 21.
Controlling device. C. S. Baker. 2,494,279, Jan. 10.
Controlling device, Automatic aperture. J. C. Mather and F. G. Shenton. 2,499,322, Feb. 28.
Controlling device, Engine fuel. C. W. MacMillan. 2,507,988, May 16.
Controlling device for gas torches. C. D. Lawhon. 2,524,730, Oct. 3.
Controlling device for cooking apparatus. M. J. Bock. 2,516,503, July 25.
Controlling device for hoists. G. F. McClay. 2,513,812, July 4.
Controlling dust in sintering operations. W. H. Pettigrew. 2,498,766, Feb. 28.
Controlling electric motors. C. C. S. Le Clair. 2,526,373, Oct. 17.
Controlling electronic heating. R. M. Wilmotte. 2,508,321, May 16.
Controlling flow of subdivided solid particles. G. F. Adams. 2,529,583, Nov. 14.
Controlling heating by an induction heating circuit. J. B. Wadhams, A. W. Sateren, and J. Sikorski. 2,511,026, June 13.
Controlling means and associated mechanisms therefor, Fluid power. E. J. Svenson. 2,494,841, Jan. 17.
Controlling means for heating devices. S. Forbes. 2,498,884, Feb. 28.
Controlling means for operating an electronic oscillograph to produce a record. A. M. Opsahl. 2,501,352, Mar. 21.
Controlling mechanism. E. A. Rockwell. 2,525,427, Oct. 10.
Controlling mechanism for centrifugal separators. J. E. Tholl. 2,498,314, Feb. 21.
Controlling mechanism for sand traps. F. E. Saari and G. V. W. Roth. 2,503,417, Apr. 11.
Controlling polymerization reactions. J. H. Young. 2,497,828, Feb. 14.
Controlling pressure in drilling wells. C. A. Langstaff and B. Bronzan. 2,527,225, Oct. 24.
Controlling receiver heterodyne frequency by transmitter. W. W. Hansen and J. R. Woodyard. 2,519,369, Aug. 22.
Controlling stretch in stretch-wrapping. W. S. Cloud. 2,514,028, July 4.
Controlling temperature of machinery. J. Daugherty. 2,524,043, Oct. 3.
Controlling the combustion rate and composition of the combustion gases in the burning of solid fuel, Method of and apparatus for. D. H. Bangham, J. G. Bennett, R. Mayorcas, M. Pirani, and M. W. Thring. 2,515,545, July 18.
Controlling the contours of rayon cakes. W. Bakker. 2,508,483, May 23.
Controlling the cyclic operation of components of a power plant. R. J. Welsh. 2,515,065, July 11.
Controlling the feed to a rotary drum mill. J. Sorteberg. 2,517,451, Aug. 1.
Controlling the flow of liquid fuel to prime movers. R. J. Ifield. 2,503,048, Apr. 4.
Controlling the height of a pile of delivered sheets. H. E. Peyrebrune. 2,525,311, Oct. 10.
Controlling the input to internal-combustion engines, Method of and system for. D. W. Moore, Jr. 2,521,244, Sept. 5.
Controlling the movement of a tool. W. Johndrew. 2,520,316, Aug. 29.

Controlling the porosity of electrically perforated opaque sheet material, Method and apparatus for. E. W. Menke. 2,528,157, Oct. 31.
Controlling the porosity of electrically perforated sheet material, Method and apparatus for. E. W. Menke. 2,528,158, Oct. 31.
Controlling the residual magnesium content of nodular graphite cast iron. J. F. Jordan. 2,527,498, Oct. 24.
Controlling the supply of fuel to liquid fuel burners of heating systems for automotive engines or the like. M. Resek. 2,509,399, May 30.
Controlling the temperature in a fluidized catalyst regeneration process. D. L. Campbell and J. M. Graham. 2,493,526, Jan. 3.
Controlling the temperature of hot gases. R. J. Ifield and J. J. Righton. 2,524,445, Oct. 3.
Controlling thermal gas turbine motive units, System and device for. M. H. L. Sédille. 2,505,796, May 2.
Controlling thread tension. M. Mooney. 2,493,259, Jan. 3.
Controlling torch spacing, Method and apparatus for. G. M. Deming. 2,534,958, Dec. 19.
Controlling vaporization, Method and apparatus for. T. H. Whaley, Jr. 2,500,916, Mar. 14.
Controlling yarn. E. St. Pierre. 2,532,467, Dec. 5.
Convection and forced draft air flow and combustion air heating furnace. R. W. De Lancey. 2,498,362, Feb. 21.
Convection driven forced flow air heater. R. C. Beaver. 2,495,311, Jan. 24.
Convection heater. M. J. Whelan. 2,506,257, May 2.
Convection heating, Method of and apparatus for forced. S. B. Gamble. 2,504,320, Apr. 18.
Conversion and vector apparatus, Coordinate. R. C. Dehmel. 2,510,384, June 6.
Conversion equipment in internal-combustion motor ignition practice. G. H. Von Deylen. 2,513,385, July 4.
Conversion of acetylenic alcohols in the vapor phase. E. V. Winslow, Jr. 2,524,866, Oct. 10.
Conversion of acid-soluble oils. P. H. Carnell. 2,507,764, May 16.
Conversion of beta-, gamma-, and delta-tocopherol to alpha-tocopherol by amino-alkylation and reduction. L. Weisler. 2,519,863, Aug. 22.
Conversion of carbon monoxide, High-pressure low-temperature catalytic. F. H. Bruner. 2,508,743, May 23.
Conversion of durene to carboxylic acids. L. K. Beach. 2,509,855, May 30.
Conversion of heavy hydrocarbon materials. E. A. Smith. 2,521,757, Sept. 12.
Conversion of hydrocarbons. E. J. Houdry. 2,507,523, May 16.
Conversion of hydrocarbons. E. T. Layng. 2,498,607, Feb. 21.
Conversion of hydrocarbons, Catalytic. P. C. Keith and J. W. Jewell. 2,515,373–4, July 18.
Conversion of hydrocarbons, Method and apparatus for. H. E. Lonngren. 2,508,120, May 16.
Conversion of hydrocarbons, Pyrolytic. L. V. H. Beckberger. 2,500,235, Mar. 14.
Conversion of hydrocarbons with modified clay catalysts. G. A. Mills and E. B. Cornelius. 2,495,751, Jan. 31.
Conversion of hydrocarbons with moving bed of solids, Method and apparatus for. T. P. Simpson, F. E. Ray and R. Lee. 2,509,019, May 23.
Conversion of hydrocarbons with recovery of coke, Pyrolytic. F. R. Fisher. 2,494,695, Jan. 17.
Conversion of hydrocarbons with silica-alumina catalyst. J. Hoekstra. 2,506,923, May 9.
Conversion of hydrocarbons with suspended catalyst. W. K. Lewis and E. R. Gilliland. 2,498,088, Feb. 21.
Conversion of methanol to formaldehyde combination catalysts. W. A. Payne. 2,519,788, Aug. 22.
Conversion of methyl formate to acetic acid. W. H. Groombridge. 2,508,513, May 23.
Conversion of olefins and disulfides. D. A. McCaulay and A. P. Lien. 2,519,586, Aug. 22.
Conversion of 1-olefins in the presence of lead tetraacetate, F. M. Seger and A. N. Sachanen. 2,500,161, Mar. 14.
Conversion of polyalkyl aromatics to monoalkyl aromatics. G. N. Cade. 2,527,529, Oct. 31.
Conversion process. C. E. Hemminger. 2,497,940, Feb. 21.
Conversion system, Fluidized solids. H. K. Wheeler, Jr. 2,521,195, Sept. 5.
Converter, Electrical. R. H. Varian. 2,511,886, June 20.
Converter, Frequency. M. A. Lissman. 2,497,055, Feb. 7.
Converter, Heat-to-electrical energy. C. W. Hansell. 2,510,397, June 6.
Converter, Line balance. G. H. Brown. 2,517,968, Aug. 8.
Converter, Linear pneumatic. W. J. Hughes. 2,520,547, Aug. 29.
Converter, Pneumatic-hydraulic pressure. E. M. Pfauser. 2,499,968, Mar. 7.
Converter system. L. L. Libby. 2,516,889, Aug. 1.
Converter system. K. M. Mack and C. J. Miller. 2,516,009, July 18.
Converter with means for putting it out of function, Static current. U. Lamm. 2,532,108, Nov. 28.
Convertible chair. C. Carlson. 2,519,885, Aug. 22.
Convertible chair. D. R. Womock, Jr. 2,516,498, July 25.
Convertible container. L. A. Wheeler. 2,507,843, May 16.
Convertible ejector pump. W. J. Conery. 2,525,772, Oct. 17.
Convertible high chair. L. Gottfried. 2,516,774, July 25.
Convertible nursery seat. J. D. Frazee and W. H. Russell. 2,516,557, July 25.
Convertible parcel carrier. W. F. Marshall. 2,519,146, Aug. 15.
Convertible table. H. Weiss. 2,520,789, Aug. 29.
Convertible traveling case. A. Savrin. 2,502,486, Apr. 4.
Converting fibrous material to be processed in the woolen system. R. C. Wilkie. 2,499,175, Feb. 28.
Converting hydrocarbon oils, Catalytically. W. J. Degnen. 2,515,369, July 18.
Converting hydrocarbons. D. B. Ardern. 2,526,625, Oct. 24.
Converting lower-boiling ketones into higher-boiling ketones. E. F. Smith. 2,499,172, Feb. 28.
Converting mannosidostreptomycin and dihydromannosidostreptomycin into streptomycin and dihydrostreptomycin, respectively. A. F. Langlykke and D. Pearlman. 2,493,489, Jan. 3.
Converting oil operated railway marker lamps to battery operated railway marker lamps. C. R. Love. 2,534,042, Dec. 12.
Converting time-modulated pulses into amplitude-modulated pulses, Method and arrangement for. G. Guanella and P. Güttinger. 2,508,672, May 23.
Converting woody substances. A. M. Thomsen. 2,510,668, June 6.
Conveyance, Infant's. H. G. Lewis, D. D. Lewis, and C. T. Miller. 2,509,103, May 23.
Conveyer. K. C. S. Aasted. 2,534,692, Dec. 19.
Conveyer. D. C. Campion, Sr. 2,520,527, Aug. 29.
Conveyer. H. Conrad. 2,515,988, July 18.
Conveyer. H. R. Gotthardt. 2,509,297, May 30.
Conveyer. R. K. Hubbell. 2,523,829, Sept. 26.
Conveyer. R. C. Parkes. 2,534,054, Dec. 12.
Conveyer. H. Truax. 2,509,543, May 30.
Conveyer, Air activated. P. H. Townsend and H. R. Schemm. 2,527,466, Oct. 24.
Conveyer and chute combined with swingably mounted measuring hopper. J. E. Eakin and N. S. Wallace. 2,523,562, Sept. 26.
Conveyer and wheeled support, Portable. E. H. Ensinger. 2,516,192, July 25.
Conveyer apparatus. O. Grosvenor. 2,515,404, July 18.
Conveyer, Articulated. F. Cartlidge. 2,512,610, June 27.
Conveyer, Articulated. J. J. Mason. 2,494,302, Jan. 10.
Conveyer assembly, Pusher dog. G. H. Robinson. 2,529,663, Nov. 14.
Conveyer, Bake oven. M. F. Cargill. 2,493,857, Jan. 10.
Conveyer belt apparatus. R. Milik. 2,514,715, July 11.
Conveyer belt drive. L. H., L. H., Jr., and J. D. Platt. 2,524,328, Oct. 3.
Conveyer belt for photographic printing machines. E. Nassimbene. 2,532,184, Nov. 28.
Conveyer chain. F. H. Dalrymple. 2,515,079–80, July 11.
Conveyer chain. C. P. Keen. 2,526,563, Oct. 17.
Conveyer chain. J. K. Marshall and C. Nygren. 2,529,168, Nov. 7.
Conveyer chain. A. Sharp. 2,494,009, Jan. 10.
Conveyer, Coal. B. B. and J. H. Nelson. 2,503,917, Apr. 11.
Conveyer, Coal. E. C. Webb. 2,531,928, Nov. 28.
Conveyer, Coal screw. B. B. and J. H. Nelson. 2,499,929, Mar. 7.
Conveyer, Concrete. J. O. Blomquist. 2,513,784, July 4.
Conveyer drive. W. H. McInnis. 2,529,777, Nov. 14.
Conveyer, Feeding. W. Queirolo. 2,502,341, Mar. 28.
Conveyer for bottle-washing machines. H. H. Weiss. 2,522,912, Sept. 19.
Conveyer for doughnut machines, Feed. H. F. Stock. 2,527,687, Oct. 31.
Conveyer for eviscerating apparatus. E. J. Albright. 2,516,499, July 25.
Conveyer for grain and other materials, Portable. A. G. Slocum. 2,528,917, Nov. 7.
Conveyer for grain binders. A. Seppola. 2,520,018, Aug. 22.
Conveyer for grain cutters, Floating auger. T. Carroll. 2,518,521, Aug. 15.
Conveyer for locomotive stokers, Tender. W. T. Hanna. 2,516,770, July 25.
Conveyer for inspection purposes, Bottle turning. T. Helme. 2,508,259, May 16.
Conveyer for packing, Vibratory. J. Frei, Jr. 2,535,127, Dec. 26.
Conveyer for photographic developing devices, Paper. E. Zollinger. 2,501,251, Mar. 21.
Conveyer for removing pipe from galvanizing baths. M. L. Eckman. 2,495,093, Jan. 17.
Conveyer for screws to be slitted in automatic lathes. A. Bechler. 2,528,330, Oct. 31.
Conveyer for viewing apparatus, Endless. V. L. Davis. 2,521,348, Sept. 5.
Conveyer, Furnace. J. Fallon. 2,495,578, Jan. 24.
Conveyer gate. F. S. Dederich. 2,528,868, Nov. 7.
Conveyer, Grain. C. R. Adams. 2,516,360, July 25.
Conveyer, Hook. C. Rousseau. 2,517,444, Aug. 1.
Conveyer, Magnetic. H. D. Merrill. 2,526,253, Oct. 17.
Conveyer, Magnetic roll. S. N. Findlay and L. A. Hayes. 2,497,162, Feb. 14.

Conveyer meal order device. W. J. Bryan and J. E. Vrla. 2,526,536, Oct. 17.
Conveyer mechanism. W. B. Lyon. 2,513,502, July 4.
Conveyer mechanism. E. Sutherland. 2,514,104, July 4.
Conveyer mechanism, Bucket type. C. Donnell. 2,510,212, June 6.
Conveyer mechanism, Cuttings. C. F. Osgood. 2,499,872, Mar. 7.
Conveyer mechanism for apricot cutters. J. A. J. Sunseri. 2,500,648, Mar. 14.
Conveyer mechanism for distributing articles to machines. S. T. Carter. 2,503,864, Apr. 11.
Conveyer mechanism for turning articles. F. F. Borkmann. 2,534,221, Dec. 19.
Conveyer mechanism for upending articles. F. F. Borkmann. 2,508,368, May 23.
Conveyer oven. C. Dumbleton and D. Gunston. 2,501,765, Mar. 28.
Conveyer, Pneumatic M. J. Bozich. 2,500,271, Mar. 14.
Conveyer, Pneumatic. M. C. Balch and H. S. Sanderson. 2,511,033, June 13.
Conveyer, Portable. L. W. Saboe. 2,506,684, May 9.
Conveyer, Power-driven. M. Hallead. 2,497,768, Feb. 14.
Conveyer, Pusher. M. A. Roblee. 2,509,529, May 30.
Conveyer, Reciprocating gutter hoe. F. L. Nickerson. 2,522,888, Sept. 19.
Conveyer retraction device. R. E. Winebrenner. 2,516,357, July 25.
Conveyer roll for heated strips or the like. W. H. Dailey, Jr. and E. A. Di Nucci. 2,497,154, Feb. 14.
Conveyer, Screw. P. V. Whitney. 2,496,764, Feb. 7.
Conveyer, Shoe. G. B. Carson. 2,512,574, June 20.
Conveyer slat and latch therefor, Removable. C. Beninger. 2,524,186, Oct. 3.
Conveyer, Snow. A. Lamy. 2,508,829, May 23.
Conveyer, Spiral blade. L. O. Ballard and A. Brandt. 2,528,679, Nov. 7.
Conveyer support and transport truck. R. W. Heer. 2,501,332, Mar. 21.
Conveyer switch. L. L. Werner. 2,511,027, June 13.
Conveyer system. O. J. Alvarez. 2,508,086, May 16.
Conveying system. R. C. Cerruti. 2,528,114, Oct. 31.
Conveyer system. J. R. Dunn and B. M. Smith. 2,526,856, Oct. 24.
Conveyer system for oven trays and the like. M. Massiello. 2,512,356, June 20.
Conveyer system, Shaking. W. L. Herold. 2,507,251, May 9.
Conveyer track switch. F. J. Henderson. 2,526,819, Oct. 24.
Conveyer, Transporting and depositing. C. P. Krupp. 2,505,677, Apr. 25.
Conveyer turn. H. J. Ferguson. 2,504,948, Apr. 25.
Conveyer, Vibratory. L. Devol. 2,535,050, Dec. 26.
Conveyer with supply hopper, Pusher. W. H. Lang. 2,519,970, Aug. 22.
Conveyer with toggle locking feed dog. S. J. Wallace. 2,530,412, Nov. 21.
Conveying and distributing apparatus. J. T. Parisi. 2,530,074, Nov. 14.
Conveying and heating apparatus, Continuous strand helical. E. T. Lorig. 2,532,562, Dec. 5.
Conveying and positioning mechanism for cartons and the like. R. C. Stenger. 2,499,694, Mar. 7.
Conveying and rasping equipment for lumpy material such as superphosphate and the like. H. B. Siems. 2,515,165, July 11.
Conveying apparatus. S. Nielsen. 2,498,218, Feb. 21.
Conveying apparatus for inspection stations. W. W. Michaux, Jr. 2,504,565, Apr. 18.
Conveying device. M. M. Guggenheim. 2,534,667, Dec. 19.
Conveying machine, Pneumatic. R. C. Andres. 2,494,500, Jan. 10.
Conveying mechanism. F. S. Acton. 2,517,371, Aug. 1.
Conveying system. N. H. Sandberg and H. O. Ronning. 2,504,228, Apr. 18.
Conveying vehicle such as pallet trucks. S. R. Nilsson. 2,506,381, May 2.
Conveyor. H. W. Baehr. 2,493,333, Jan. 3.
Conveyor direction changer. J. H. B. Herts and J. E. McPhee. 2,525,132, Oct. 10.
Conveyor, Live roller. I. S. Eggleston. 2,493,479, Jan. 3.
Conveyor, Power-driven. R. B. Persson. 2,493,465, Jan. 3.
Conveyor structure. R. C. Gaddis and L. R. Gann. 2,493,451, Jan. 3.
Conveyor system, Shaker. E. R. Bergmann. 2,524,752, Oct. 10.
Cookstove. E. Esson. 2,513,407, July 4.
Cookstove. E. Esson. 2,530,159, Nov. 14.
Cookstove. H. M. Reeves. 2,496,750, Feb. 7.
Cooker. M. M. Guggenheim. 2,530,519, Nov. 21.
Cooker and grill, Combination. D. Contiguglia. 2,512,223, June 20.
Cooker, Deep well. C. E. Chesser and T. H. Cline. 2,497,258, Feb. 14.
Cooker, Food. T. H. Payne. 2,532,639, Dec. 5.
Cooker, Pressure. C. Nelson. 2,513,350, July 4.
Cooker, Swinging. G. O. Jensen. 2, 520,412, Aug. 29.
Cooker, Vegetable. H. E. Schall and L. R. London. 2,515,137, July 11.
Cooking. M. G. Clay. 2,532,009, Nov. 28.
Cooking aid, Bacon. C. T. Barnes. 2,513,839, July 4.
Cooking and heating apparatus for vehicles. G. Alessandro. 2,526,923, Oct. 24.
Cooking and like appliances, Electrical. A. E. R. Arnot. 2,497,753, Feb. 14.
Cooking apparatus. E. B. Doolin. 2,525,213, Oct. 10.
Cooking apparatus. F. A. Gross. 2,526,226, Oct. 17.
Cooking apparatus. N. J. Peters. 2,514,008, July 4.
Cooking apparatus, High-frequency electromagnetic. L. K. Marshall. 2,495,415, Jan. 24.
Cooking appliance, Electric. L. Brewton. 2,497,205, Feb. 14.
Cooking device. O. J. Alvarez. 2,523,641, Sept. 26.
Cooking device. B. W. Badenoch. 2,525,255, Oct. 10.
Cooking device. J. E. Fernly. 2,515,035, July 11.
Cooking device. C. R. Turner. 2,528,191, Oct. 31.
Cooking device, Automatic. N. B. Wales. 2,520,788, Aug. 29.
Cooking machine. L. W. Currier, Jr. 2,510,866, June 6.
Cooking machine. L. W. Currier, Jr. 2,532,894, Dec. 5.
Cooking unit, Electric. R. F. White. 2,535,379, Dec. 26.
Cooking utensil cover. R. C. Allen. 2,511,682, June 13.
Cooking well assembly, Electric. W. J. Miller. 2,527,566, Oct. 31.
Coolant return system. T. F. Eserkaln. 2,507,437, May 9.
Cooled disk-type brake. E. R. Johnson and H. W. Cardwell. 2,518,016, Aug. 8.
Cooled keg holder. O. Muller. 2,501,404, Mar. 21.
Cooler: *See*—

Air cooler.	Motor oil cooler.
Beverage cooler.	Oil cooler.
Bottle cooler.	Pitcher cooler.
Evaporative cooler.	Room cooler.
Liquid cooler.	Sirup cooler.
Liquid surface cooler.	Two-temperature walk-in cooler.
Marine engine cooler.	
Mechanical refrigerator water cooler.	Water cooler.

Cooler and conditioner, Evaporative air. J. E. Nogle. 2,498,818, Feb. 28.
Cooler and holder, Combined bottle. J. Di Bari. 2,494,289, Jan. 10.
Cooler and support, Automobile. H. S. Goetz. 2,501,273, Mar. 21.
Cooler and valve therefor. R. W. Jensen. 2,510,472, June 6.
Cooler and valve therefor. R. W. Jensen. 2,512,800, June 27.
Cooler construction, Oval oil. J. C. Shaw and E. H. Kidd. 2,498,827, Feb. 28.
Cooler failure automatic by-pass valve. R. W. Jensen. 2,509,504, May 30.
Cooler for arc lamps, Carbon. H. I. Huff. 2,495,970, Jan. 31.
Cooler for bottled beverages, Refrigerator. C. F. Munshower. 2,508,768, May 23.
Cooler having adjustable drinking water temperature and water bleed, Water. S. O. Morrison. 2,529,781, Nov. 14.
Cooler having automatic control means, Milk. C. H. Kafer and H. D. White. 2,494,512, Jan. 10.
Cooler having water and air cooled condensers, Water. J. G. Wehrwein. 2,505,632, Apr. 25.
Cooler of discharge tubes. F. C. W. Slooff. 2,520,262, Aug. 29.
Cooler with gasket insulated top, Ice type water. F. G. Kovacs and F. A. Seidler. 2,531,223, Nov. 21.
Cooler with thermal insulated water cock, Water. B. J. Piqué. 2,506,840, May 9.
Cooling a lubricant, Process of and apparatus for. A. A. Bondi. 2,527,789, Oct. 31.
Cooling air. A. S. Richardson. 2,525,045, Oct. 10.
Cooling air exit velocity control. R. N. Wallace. 2,523,404, Sept. 26.
Cooling and dispensing system, Beverage. H. M. Braud. 2,534,570, Dec. 19.
Cooling and feeding means for rocket type combustion chambers. R. H. Goddard, 2,526,222, Oct. 17.
Cooling and feeding means for rotating combustion chambers. R. H. Goddard. 2,523,011, Sept. 19.
Cooling and lubricating pumps. M. W. Huber. 2,518,618, Aug. 15.
Cooling and storage apparatus, Liquid. W. J. Hoffmann. 2,522,948, Sept. 19.
Cooling and ventilating system, Automobile air. H. J. Demuth. 2,500,527, Mar. 14.
Cooling apparatus. C. L. Ipsen and N. B. Jones. 2,534,973, Dec. 19.
Cooling apparatus, Fluid. H. G. Mojonnier and B. J. McGovern. 2,519,845, Aug. 22.
Cooling apparatus for a plurality of fluids. H. G. Mojonnier. 2,509,243, May 30.
Cooling apparatus having a quick cooling reservoir, Beverage. R. H. Tull. 2,495,878, Jan. 31.
Cooling apparatus, Liquid. F. O. Graham. 2,496,466, Feb. 7.
Cooling arrangement of compression ignition internal-combustion engines. W. Foden and E. Twemlow. 2,493,532, Jan. 3.
Cooling beverage pipes. G. Seiler. 2,506,843, May 9.
Cooling compressed blocks of dehydrated vegetable matter. G. S. Smith. 2,507,550, May 16.
Cooling cylinder walls of compressors. L. Hanson. 2,510,887, June 6.

Cooling device for electric discharge tubes. H. Rinia. 2,532,858, Dec. 5.
Cooling device for the casings of thermic motors, including gas turbines. R. J. Imbert. 2,529,946, Nov. 14.
Cooling device, Liquid. R. H. Ahrens. 2,497,389, Feb. 14.
Cooling device, Liquid. P. G. Larkin. 2,526,244, Oct. 17.
Cooling device, Material. R. L. McIlvaine. 2,531,578, Nov. 28.
Cooling equipment, Beer. P. J. Foley. 2,509,562, May 30.
Cooling gas turbine blades. A. C. Cowles, Jr. 2,506,581, May 9.
Cooling gaseous suspensions of titanium dioxide in the preparation of titanium dioxide pigments from titanium tetrachloride. J. E. Booge. 2,508,272, May 16.
Cooling gaseous suspensions of titanium dioxide in the preparation of titanium dioxide pigments from titanium tetrachloride. I. J. Krchma. 2,508,271, May 16.
Cooling hotboxes. G. H. Danis. 2,532,609, Dec. 5.
Cooling machines, Can. H. E. Erickson. 2,494,864, Jan. 17.
Cooling means for aircraft engines. A. G. Forsyth. 2,497,444, Feb. 14.
Cooling means for axial fans. G. C. Polk. 2,518,815, Aug. 15.
Cooling means for gas turbogenerators. S. A. Kane. 2,508,397, May 23.
Cooling means for machines. A. S. Fenemore. 2,500,532, Mar. 14.
Cooling means for reduction gearing. G. Olah. 2,511,479, June 13.
Cooling milk and other liquids, Process and apparatus for. G. Grindrod. 2,511,582, June 13.
Cooling powder-burning combustion chambers and nozzle. R. H. Goddard. 2,522,113, Sept. 12.
Cooling power unit. C. F. Schwan. 2,505,795, May 2.
Cooling projected devices. R. H. Goddard. 2,522,114, Sept. 12.
Cooling reaction gases. J. E. Bludworth and M. H. Kotzebue. 2,497,973, Feb. 21.
Cooling receptacle. E. L. Smith. 2,526,165, Oct. 17.
Cooling rods, Method and apparatus for. J. E. O'Brien. 2,516,248, July 25.
Cooling system. S. L. Christie. 2,516,184, July 25.
Cooling system. O. O. Oaks. 2,526,398, Oct. 17.
Cooling system attachment, Vehicle. A. Partin. 2,514,253, July 4.
Cooling system, Automobile. M. F. Viedt. 2,523,242, Sept. 19.
Cooling system, Electric apparatus. P. E. Bessière. 2,503,704, Apr. 11.
Cooling system, Fluid compressor. J. I. Bevan. 2,504,245–6, Apr. 18.
Cooling system for aircraft, Cabin. H. J. Wood, 2,526,103, Oct. 17.
Cooling system for buildings, Indirect. R. K. Becker. 2,497,713, Feb. 14.
Cooling system for dynamoelectric machines. C. J. Fechheimer. 2,527,878, Oct. 31.
Cooling system for internal-combustion engines. R. Bouska. 2,523,414, Sept. 26.
Cooling system for internal-combustion engines. E. Ginn. 2,516,312, July 25.
Cooling system for internal-combustion engines. O. O. Oaks. 2,519,692, Aug. 22.
Cooling system for internal-combustion engines. H. E. Simi. 2,511,549, June 13.
Cooling system for vertical broaching machines. B. Welte. 2,502,907, Apr. 4.
Cooling system, Machine. L. F. Hemphill. 2,510,632, June 6.
Cooling system, Roof. A. T. Murray. 2,506,936, May 9.
Cooling system, temperature control, Radiator. R. W. Barrell. 2,499,176, Feb. 28.
Cooling tank. H. G. Mojonnier. 2,519,844, Aug. 22.
Cooling turbogenerators and reducing windage, Method and apparatus for. S. A. Kane. 2,511,854, June 20.
Cooling unit, Liquid. F. G. Peck. 2,508,289, May 16.
Coop, Hog. J. Barnhart and G. B. Toney. 2,532,830, Dec. 5.
Coordinate selecting and lockout circuit. G. Hecht. 2,532,718, Dec. 5.
Cop-carrying device for braiding machines. T. T. Bunch. 2,506,772, May 9.
Copier with transfer screws and gauging driver, Layout. H. Berg. 2,500,653, Mar. 14.
Copolymer monohydric phenol-dihydric phenol-aldehyde resin in the presence of an alkaline catalyst, Production of a. P. H. Rhodes. 2,524,079, Oct. 3.
Copolymer of butadiene and alpha-methyl 2,4-dichlorostyrene, Rubbery. C. C. Clark. 2,522,491, Sept. 19.
Copolymer of vinyl fluoride and chlorotrifluoroethylene. W. E. Hanford. 2,513,312, July 4.
Copolymer products. S. S. Kurtz, Jr. 2,513,183, June 27.
Copolymeric siloxanes. A. J. Barry and J. W. Gilkey. 2,495,362, Jan. 24.
Copolymerization of maleic anhydride and allyl esters of long chain monocarboxylic acids. J. L. Jones. 2,533,376, Dec. 12.
Copolymerization of thiophene with styrene. J. R. Meadow and A. A. O'Kelly. 2,496,669, Feb. 7.
Copolymerization of unsaturated alkyd resin in the presence of aromatic sulfonic acid promoter. R. R. Harris. 2,529,214, Nov. 7.
Copolymerization product of n-vinyl lactams and polymerizable esters, and making same. J. H. Werntz. 2,497,705, Feb. 14.
Copolymerizing butadiene and styrene. W. A. Schulze and W. W. Crouch. 2,493,268, Jan. 3.
Copolymerizing maleic anhydride and vinyl acetate. H. W. Bryant. 2,522,775, Sept. 19.
Copolymerizing monomers having different polymerization rates. W. L. J. de Nie and R. H. M. Meyer. 2,534,108, Dec. 12.
Copolymers and preparation. S. T. Putnam. 2,510,902, June 6.
Copolymers containing 9-methylenefluorene. J. B. Dickey and H. W. Coover, Jr. 2,533,207, Dec. 12.
Copolymers from alkylene glycols and di(hydroxyalkyl) sulfides, Preparing. R. C. Morris and J. L. Van Winkle. 2,518,245, Aug. 8.
Copolymers from allyl succinyl allyl glycolate and acrylic esters. H. T. Neher, E. H. Kroeker, and W. J. Croxall. 2,521,303, Sept. 5.
Copolymers, Making. E. A. Kern. 2,507,209, May 9.
Copolymers of acrylonitrile and isopropenyl acetate. J. R. Caldwell. 2,514,624, July 11.
Copolymers of acrylonitrile and N-allyl and N-2-methallyl cyanides. J. R. Caldwell. 2,529,911, Nov. 14.
Copolymers of acrylonitrile and 2-methallyl alcohol. J. R. Caldwell. 2,525,521, Oct. 10.
Copolymers of alkenyl diesters of alkenyl-phosphonic acids with methyl methacrylate. A. D. F. Toy. 2,497,638, Feb. 14.
Copolymers of allyl esters. D. E. Adelson and H. Dannenberg. 2,514,354, July 11.
Copolymers of butadiene and monocyclic terpene alcohol esters of acrylic acids. A. M. Clifford. 2,496,935, Feb. 7.
Copolymers of butadiene and nuclear-substituted polyhalo-alpha-methylstyrene. G. B. Bachman and G. H. Stempel, Jr. 2,522,981, Sept. 19.
Copolymers of cyclic fluorine-containing compounds. J. Harmon. 2,511,258, June 13.
Copolymers of cyclopentadiene. J. D. Garber. 2,521,359, Sept. 5.
Copolymers of diallyl fumarate and styrene. R. E. Davies and A. R. Esterly. 2,493,948, Jan. 10.
Copolymers of diallyl phthalate with allyl vinyl phthalate. T. W. Evans, D. E. Adelson, and L. N. Whitehill. 2,500,607, Mar. 14.
Copolymers of ethylene with vinyl chloride. M. M. Brubaker, J. R. Roland, and M. D. Peterson. 2,497,291, Feb. 14.
Copolymers of isobutylene and an ester derived by esterifying abietyl alcohol and an α,β-ethylenically unsaturated carboxylic acid. G. E. Hulse. 2,534,447, Dec. 19.
Copolymers of maleic alkyds with monovinyl compounds. C. F. Fisk. 2,521,575, Sept. 5.
Copolymers of silicon derivatives. J. B. Rust. 2,511,296, June 13.
Copolymers of styrene and para-vinyl-benzyl compounds. W. S. Emerson. 2,534,193, Dec. 12.
Copolymers of 2-substituted-1-acyloxybutadiene-1,3 compounds. J. B. Dickey, N. J. Bowman, and C. G. Stuckwisch. 2,500,121, Mar. 7.
Copolymers of 2-vinyldibenzofuran and their preparation. E. A. Kern. 2,527,223, Oct. 24.
Copolymers of unsaturated ethers. D. Swern. 2,516,928, Aug. 1.
Copolymers of unsaturated sulfonic acids and polyunsaturated compounds. J. R. Dudley. 2,527,300, Oct. 24.
Copolymers of vinyl benzoate and polyunsaturated carbonate esters. E. J. Carlson. 2,529,866, Nov. 14.
Copolymers of vinyl esters of aliphatic acids with dialkenylcarbonate esters of alkylene bis-phenols. E. J. Carlson. 2,529,867, Nov. 14.
Copolytriazoleamides, Producing. J. W. Fisher and E. W. Wheatley. 2,512,627, June 27.
Copper and baths therefor, Electrodepositing. J. E. Stareck. 2,493,092, Jan. 3.
Copper base alloy. J. D. Berwick. 2,494,736, Jan. 17.
Copper base alloy and conductor and manufacture thereof. A. Morris. 2,504,935, Apr. 18.
Copper bottom enameled cooking receptacle. P. G. Glenkey and H. H. Patrick. 2,511,404, June 13.
Copper complex compounds of substantive azo dyestuffs and making same. W. Wehrli and E. Iselin. 2,529,527, Nov. 14.
Copper complexes of monazo compounds, Insoluble. D. E. Kvalnes and C. Walling. 2,517,890, Aug. 8.
Copper-magnesia hydrogenation catalyst and its use in hydrogenation reactions, Production of. J. P. W. Houtman and G. C. A. Schuit. 2,524,566, Oct. 3.
Copper, Making lead coated. R. H. Jenks and W. Lynes. 2,525,603, Oct. 10.
Copper oxide pellets, Production of. W. C. Moore. 2,496,353, Feb. 7.
Copper phthalocyanine dyestuffs, Manufacture of. G. M. O'Neal. Re. 23,304, Dec. 12.
Copper plating bath and process. W. A. Proell. 2,525,943, Oct. 17.
Copper-titanium coating and bonding process. P. P. Alexander. 2,512,455, June 20.

Coprecipitation of silica-alumina. L. Schmerling. 2,526,907, Oct. 24.
Copyholder. F. C. Atwood. 2,528,990, Nov. 7.
Copyholder. E. L. Elliott. 2,532,765, Dec. 5.
Copyholder. B. Fuchs. 2,533,727, Dec. 12.
Copyholder. J. A. Holton, Sr. 2,494,129, Jan. 10.
Copyholder. C. T. Jackson. 2,506,456, May 2.
Copyholder. H. L. Johnson. 2,530,702, Nov. 21.
Copyholder. C. E. Nace. 2,505,300, Apr. 25.
Copyholder. S. Sattler. 2,503,355, Apr. 11.
Copyholder. H. Van Buren. 2,533,856, Dec. 12.
Copyholder for cameras. V. Sussin. 2,523,735, Sept. 26.
Copyholder for typists. B. T. Voorhorst. 2,505,814, May 2.
Copyholder, Photoengraving. M. H. Sussin. 2,512,182, June 20.
Copyholder, Stenographic. S. Ford and R. B. Warner. 2,523,755, Sept. 26.
Copying apparatus, Facsimile. R. G. Thompson. 2,529,978, Nov. 14.
Copying device. G. E. Lebermann. 2,519,384, Aug. 22.
Copying device for pattern pieces. G. Weiss. 2,518,208, Aug. 8.
Copying machine, Flow camera document. V. E. Pratt and G. F Gray 2,509,072, May 23.
Copying machine, Three-dimensional. L. E. Marchant, V. W. Hall, and J. O. Creek. Re. 23,263, Aug. 29.
Copying process. F. M. Carroll and G. E. Mitchell. 2,501,495, Mar. 21.
Cord. C. Dreyfus. 2,532,395, Dec. 5.
Cord and fabric, Covered and coated. W. Whitehead. 2,500,332, Mar. 14.
Cord, Electric conductor extension. M. G. Steele. 2,496,108, Jan. 31.
Cord extension device. R. C. Wittman. 2,503,018, Apr. 4.
Cord, Heater. J. B. Whyland. 2,532,135, Nov. 28.
Cord lock. C. Hirschy. 2,494,759, Jan. 17.
Cord or edge roll for upholstery. B. Boersma. 2,503,791, Apr. 11.
Cord pull, Venetian blind. J. W. Steinbachner. 2,532,202, Nov. 28.
Cord set, Tree-lighting electric. E. Moreno. 2,495,639, Jan. 24.
Cord support. M. McGraw. 2,517,010, Aug. 1.
Cord-type electric switch. M. E. Porter. 2,504,873, Apr. 18.
Cordless electric iron. K. M. Hammell. 2,497,452, Feb. 14.
Cordless iron. D. D. Harding. 2,502,006, Mar. 28.
Cords, Producing uniform low stretch. G. P. Bosomworth. 2,514,187, July 4.
Core analysis. A. L. Smith. 2,531,083, Nov. 21.
Core analysis and apparatus therefor. W. D. Rose. 2,534,737, Dec. 19.
Core and condenser, Unitary magnetic. T. S. Björklund. 2,524,754, Oct. 10.
Core and core bar assembly for block molds. T. K. Zevely. 2,524,744, Oct. 3.
Core and making it, Magnetostrictive. E. A. Nesbitt and H. J. Williams. 2,519,495, Aug. 22.
Core and molding sands. L. Rouzet. 2,512,441, June 20.
Core and winding drum, Contractible. A. J. Luchansky. 2,499,869, Mar. 7.
Core barrel coupling. J. Cooper. 2,510,865, June 6.
Core barrel for core drilling, Double tube. J. L. Havlick. 2,532,716, Dec. 5.
Core binder. F. B. Baker. 2,508,359, May 23.
Core bit. I. H. Bullock. 2,506,341, May 2.
Core bit. I. H. Bullock. 2,520,876, Aug. 29.
Core bit. F. N. Ross. 2,506,387–8, May 2.
Core bit. E. B. Williams, Jr. 2,495,400, Jan. 24.
Core catcher. J. C. Stokes. 2,502,762, Apr. 4.
Core clamp. A. F. Mittermaier. 2,494,350, Jan. 10.
Core, Collapsible. E. W. Morse. 2,507,924, May 16.
Core composition, Foundry. T. E. Barlow. 2,503,088, Apr. 4.
Core-cutting device. R. Benke. 2,513,398, July 4.
Core-cutting machine. A. G. Marion. 2,521,385, Sept. 5.
Core, Cylindrical magnetic. G. Nahman. 2,498,702, Feb. 28.
Core drill. A. F. Pickard. 2,503,561, Apr. 11.
Core drill. A. F. Pickard. 2,522,399, Sept. 12.
Core drill bit. O. Phipps. 2,524,570, Oct. 3.
Core extractor. C. Lamb. 2,529,027, Nov. 7.
Core for magnetic record transducers, Magnetic transducing. S. J. Begun and M. D. Temple. 2,493,742, Jan. 10.
Core head, Double lock. A. H. Kennard. 2,526,565, Oct. 17.
Core material and method, Gridded. G. B. Rheinfrank, Jr. 2,493,032, Jan. 3.
Core materials. J. E. Allison. 2,507,082, May 9.
Core retainer for centrifugal molds. D. R. Tuggle. 2,523,603, Sept. 26.
Core shuttering suitable for molding hollow walls. R. W. Rumble. 2,501,877, Mar. 28.
Core structure. A. W. Friend. 2,513,161, June 27.
Core triggered gap, Saturable. Q. A. Kerns. 2,524,388, Oct. 3.
Core, Wire helix-forming. E. E. Woller. 2,513,611, July 4.
Corer and cutter, Apple. G. S. Peterson. 2,519,500, Aug. 22.
Corer, Grapefruit. T. J. McKinnon. 2,513,505, July 4.
Cores for electrical apparatus, Making. M. Morrison. 2,493,414, Jan. 3.
Cores for use in metal casting, Baked. B. P. Wallace. 2,507,390, May 9.
Coring and fluid sampling device. F. W. Rolshausen and S. E. Swain. 2,509,883, May 30.
Coring device. E. E. Rigney. 2,495,422, Jan. 24.
Coring device, Sidewall. T. A. Huber. 2,500,125, Mar. 7.
Coring device, Side wall. L. B. Ice. 2,500,252, Mar. 14.
Coring machine. R. M. Magnuson, T. J. Smith, and R. K. Daugherty. 2,506,802, May 9.
Cork composition and making. H. Paschke. 2,495,759, Jan. 31.
Cork compositions. J. W. Baymiller. 2,498,638, Feb. 28.
Cork hub. A. B. Dodge. 2,525,169, Oct. 10.
Corkscrew, Sleeve reciprocating. S. C. Gaeta. 2,522,219, Sept. 12.
Corkscrew with pivoted lateral projection. H. E. Jacobsen. 2,524,595, Oct. 3.
Corn and callous remover. G. Appel. 2,530,216, Nov. 14.
Corn harvester. L. A. Paradise, W. J. Coultas, and N. F. Andrews. 2,498,093, Feb. 21.
Corn holder. C. J. Clarke. 2,503,801, Apr. 11.
Corn husker. W. T. Bond. 2,510,542, June 6.
Cornhusking mechanism. D. Currie. 2,497,298, Feb. 14.
Corn pad. W. M. Cone. 2,503,656, Apr. 11.
Corn pad. N. R. Hatkoff. 2,510,780, June 6.
Corn picker. W. J. Dwyer. 2,527,802, Oct. 31.
Corn picker. D. N. Mock. 2,501,782, Mar. 28.
Corn picker mounting frame. J. E. Boop. 2,520,622, Aug. 29.
Corn picker snout, Adjustable. L. L. Spraker. 2,534,481, Dec. 19.
Corn picking machine. G. W. Stoddard. 2,515,808, July 18.
Corn snapping rolls. E. E. Shrader. 2,534,685, Dec. 19.
Corn starch, Making. E. R. Darling and W. E. C. Yelland. 2,534,249, Dec. 19.
Corner clamp. J. L. Thornburg. 2,498,725, Feb. 28.
Corner joint. F. J. Reyes. 2,499,683, Mar. 7.
Corner protector. R. A. Palmer. 2,500,563, Mar. 14.
Corner structure. E. E. Schlesinger. 2,532,464, Dec. 5.
Corner truing tool. T. C. Kennedy. 2,512,654, June 27.
Cornice. W. G. Levy. 2,501,133, Mar. 21.
Cornice, Adjustable drapery. H. G. Eaglin. 2,513,628, July 4.
Cornice and bracket, Adjustable. M. Eisenberg, J. E. Clements, and C. Druck. 2,495,514, Jan. 24.
Cornice for draperies and the like, Adjustable. N. Cline. 2,530,567, Nov. 21.
Correcting and curing ingrowing toenails. R. P. Andrews. 2,505,086, Apr. 25.
Correcting device for telegraph signals. H. M. Bayard and R. J. C. Roquet. 2,522,739, Sept. 19.
Correcting pendulum grade-angle measurement. D. Silverman, J. D. Eisler, and J. F. Evans. 2,503,422, Apr. 11.
Correcting position of undeflected spot on multigun cathode-ray tubes. M. B. Kline and P. S. Christaldi. 2,522,380, Sept. 12.
Correction of distortion in telegraph signals. K. W. Pfleger. 2,523,717, Sept. 26.
Correction of errors in pulse code communication. E. Peterson 2,516,587, July 25.
Corrector for magnetic compasses, Quadrantal. E. W. Hart. 2,508,386, May 23.
Corrosion and tuberculation inhibition in water systems. W. L. Nieland, J. J. Maguire, C. B. George, and H. L. Kahler. 2,529,177, Nov. 7.
Corrosion and tuberculation inhibition in water systems, Obtaining. W. L. Nieland, J. J. Maguire, C. B. George, and H. L. Kahler. 2,529,178, Nov. 7.
Corrosion control in air heaters by recirculation and bypassing. R. S. Cooper and P. H. Karlsson. 2,499,358, Mar. 7.
Corrosion inhibiting compositions. S. C. Johansson. 2,504,200, Apr. 18.
Corrosion inhibiting compositions. S. C. Johansson. 2,532,407, Dec. 5.
Corrosion inhibiting compositions. E. J. Schwoegler and C. A. Hutter. 2,521,311, Sept. 5.
Corrosion inhibiting compositions and method. J. W. Ryznar and M. A. Peich. 2,515,529, July 18.
Corrosion inhibition. H. A. Carlson. 2,523,898, Sept. 26.
Corrosion inhibitor. E. A. Bried. 2,510,063, June 6.
Corrosion inhibitor for metals. E. Lieber. 2,512,949, June 27.
Corrosion inhibitors. R. C. Swain and J. H. Paden. 2,512,590, June 20.
Corrosion prevention. L. G. Nunn, Jr. 2,514,508, July 11.
Corrosion preventive compositions. K. F. Schiermeier and H. A. Poitz. 2,509,786, May 30.
Corrosion preventive, Hard film. H. L. Crawford. 2,500,120, Mar. 7.
Corrugated tube. W. G. Harding. 2,524,662, Oct. 3.
Corrugating cylindrical walls. G. J. H. Vermeer. 2,507,177, May 9.
Corrugating machine, Hat crown. J. A. Farnworth and A. G. Keeshan. 2,517,187, Aug. 1.

Corrugating mechanism, Continuous. K. J. Eckstein. 2,494,431, Jan. 10.
Corrugating metal sheets. E. Mayer. 2,510,024, May 30.
Corrugating mold. J. C. Case and L. S. Meyer. 2,494,642, Jan. 17.
Corset. A. Gruber. 2,512,895, June 27.
Corset. M. J. Prevost. 2,493,831, Jan. 10.
Corset, Crisscross uplift. J. J. Kispert. 2,511,438, June 13.
Corset or girdle, Orthopedic. A. Silvain. 2,530,132, Nov. 14.
Corset stay. R. and B. Herz. 2,497,728, Feb. 14.
Cosmetic case. T. and H. Schildkraut. 2,528,612, Nov. 7.
Cosmetic container. L. E. Isele. 2,502,651, Apr. 4.
Cosmetic creams. M. Terkel and H. Silberman. 2,520,980, Sept. 5.
Cosmetic dispenser. J. V. Kamp and T. S. Damon. 2,500,687, Mar. 14.
Cosmetic distributing and applicator device, Combined. C. J. Dyer. 2,509,631, May 30.
Cosmetic holder. L. Abbotts. 2,521,140, Sept. 5.
Cosmetic holder. R. N. Houlihan. 2,520,933, Sept. 5.
Cosmetic holder. R. N. Houlihan. 2,521,167–9, Sept. 5.
Cosmetic kit. D. Risberg and M. Heiman. 2,533,507, Dec. 12.
Costume flower support. J. Tadych. 2,507,837, May 16.
Cot, Noneyebrowing. E. M. Rothermel. 2,507,869, May 16.
Cot or baby crib, Portable. A. B. Dodge. 2,525,168, Oct. 10.
Cot or bed, Folding. E. Gottlieb. 2,513,167, June 27.
Cot or bed with central leg, Folding. E. Gottlieb. 2,513,168, June 27.
Cotter pin. J. McClain. 2,517,397, Aug. 1.
Cotton boll pulling machine. W. S. Willis. 2,528,102, Oct. 31.
Cotton picker. G. P. Lucius. 2,512,109, June 20.
Cotton picker and insect catcher, Combination. W. E. Ramsey. 2,514,898, July 11.
Cotton-picking apparatus. C. R. Hagen. 2,520,927, Sept. 5.
Cotton-picking apparatus. C. R. Hagen and L. E. Nickla. 2,518,465, Aug. 15.
Cotton-picking machine. V. E. Edmonds. 2,509,970, May 30.
Cotton-picking machine. V. E. Edmonds. 2,521,051, Sept. 5.
Cotton-picking machine. J. D. Rust. 2,502,063, Mar. 28.
Cotton-picking machine. J. D. Rust. 2,505,143, Apr. 25.
Cotton separator. W. E. Brown. 2,526,535, Oct. 17.
Cotton stripper. M. W. Roscoe. 2,533,510, Dec. 12.
Cotton stripper machine. B. M. Hyman. 2,532,065, Nov. 28.
Coulombmeter. J. E. Hammel. 2,531,811, Nov. 28.
Coumaran derivatives and preparing same. C. F. Koelsch. 2,507,473, May 9.
Counter and gas atmosphere therefor, Geiger. L. G. Shore. 2,503,302, Apr. 11.
Counter and stacker, Coin. W. E. Becker. 2,527,389, Oct. 24.
Counter assembly, Extendible. R. A. Thompson. 2,532,041, Nov. 28.
Counter, Bottle. J. H. Irons. 2,499,143, Feb. 28.
Counter, Coincidence proportional. J. M. Blair and J. M. Hush. 2,495,650, Jan. 24.
Counter, Contiguous rotation. L. R. Harper. 2,496,585, Feb. 7.
Counter, Electric. J. D. Stack. 2,527,661, Oct. 31.
Counter, Electric-impulse. W. E. Maxwell. 2,507,798, May 16.
Counter, Electronic. A. H. Dickinson. 2,521,350, Sept. 5.
Counter, Electronic. L. D. Grignon. 2,527,633, Oct. 31.
Counter, Electronic. I. E. Grosdoff. 2,521,788, Sept. 12.
Counter, Electronic. T. K. Riggen. 2,517,712, Aug. 8.
Counter for chemical feeders. W. J. Hughes. 2,520,546, Aug. 29.
Counter for radioactive emission, Geiger-Müller. L. Malter. 2,502,331, Mar. 28.
Counter for totalizing current surges of varying magnitude, Response. P. Fehr. 2,495,448, Jan. 24.
Counter for typewriters, Vertical space or line. J. D. F. Smith. 2,527,105, Oct. 24.
Counter, Frame. W. P. Ewald. 2,500,027, Mar. 7.
Counter, Geiger-Müller. M. H. Shamos. 2,522,902, Sept. 19.
Counter having count predetermining control means, Production. J. B. Whitmore, F. A. Newcombe, and W. Makenny. 2,526,441, Oct. 17.
Counter mechanism for can covers. F. Huntar. 2,521,724, Sept. 12.
Counter partition holder. C. R. Walker. 2,529,826, Nov. 14.
Counter, Predetermined. W. H. Bliss. 2,521,774, Sept. 12.
Counter, Proportional. J. A. Simpson, Jr. 2,505,919, May 2.
Counter, Radiation. H. L. Anderson and P. G. Koontz. 2,494,641, Jan. 17.
Counter structure, Geiger-Mueller. H. Friedman. 2,500,941, Mar. 21.
Counting and batching device. J. T. Potter. 2,523,517, Sept. 26.
Counting and printing mechanism. L. B. Duncan. 2,506,072, May 2.
Counting and recording apparatus. R. R. S. Wylde. 2,516,443, July 25.
Counting and registering device for punchboards. J. T. Rash. 2,495,945, Jan. 31.
Counting apparatus. L. Namenyi-Katz. 2,508,965, May 23.
Counting arrangement. G. T. Baker. 2,513,442, July 4.
Counting device having a light-conducting member for transverse illumination, Bacteriological colony. R. M. Wood. 2,495,912, Jan. 31.
Counting device, Tablet. M. R. Fields. 2,530,009, Nov. 14.
Counting electrical impulses. D. S. Ridler. 2,512,679, June 27.
Counting, Electronic. A. E. Joel, Jr., and R. O. Soffel. 2,498,081, Feb. 21.
Counting machine, Crown cap. J. Nurnberg. 2,515,965, July 18.
Counting machine for tablets with intermittently rotatable counting member and adjustable means for varying the degree of movement of the counting member. E. E. Braaten. 2,507,757, May 16.
Counting machine having detachably mounted capsule counting plate. I. V. Fischman. 2,515,594, July 18.
Counting mechanism. R. B. Johnson. 2,502,959, Apr. 4.
Counting mechanism for spigot knobs. A. L. Barone. 2,504,376, Apr. 18.
Counting system, Multiplex. M. Arditi. 2,527,512, Oct. 31.
Counterbalance for glassware washing machines. A. R. Lofstrand, Sr. 2,506,228, May 2.
Counterbalance for slip roll formers. W. E. Lundgren. 2,495,068, Jan. 17.
Counterbalanced sanitary toilet seat. H. B. Leidy. 2,525,492, Oct. 10.
Counterbalancing device. R. R. Candor. 2,498,877, Feb. 28.
Counterbalancing lid support. R. W. Doeg. 2,499,907, Mar. 7.
Counterbalancing means for load lifting apparatus, Automatic. G. E. Tanguy. 2,526,613, Oct. 17.
Counterlivering agent in red lead paint. R. B. Pollak. 2,526,771, Oct. 24.
Counterrotational air flow gun type oil burner. T. W. Murphy. 2,505,337, Apr. 25.
Countersinking tool. T. E. Wright. 2,522,330, Sept. 12.
Coupler. A. P. Balzer. 2,525,471, Oct. 10.
Coupler. M. T. Cahenzli, Jr. 2,496,149, Jan. 31.
Coupler. E. P. Kinne. 2,498,958–9, Feb. 28.
Coupler, Aligning. H. C. Pfaff, Jr. 2,523,919, Sept. 26.
Coupler, Antitelescoping. G. T. Johnson. 2,533,940, Dec. 12.
Coupler, Broad band directional. J. M. Wolf. 2,512,191, June 20.
Coupler, Combination. F. Meier and C. H. Rittenhouse. 2,498,764, Feb. 28.
Coupler, Directional. H. A. Bethe. 2,519,734, Aug. 22.
Coupler, Directional. R. G. Talpey. 2,523,254, Sept. 19.
Coupler for automotive vehicles, Dolly. E. B. Hedgpeth. 2,493,405, Jan. 3.
Coupler for ferrule-ended cables. J. J. McGovern. 2,511,283, June 13.
Coupler for grease guns, Swivel. A. F. Lockwood. 2,499,659, Mar. 7.
Coupler for hose or pipe, Separable. W. R. McKay. 2,500,847, Mar. 14.
Coupler for lubricating apparatus. E. W. Davis. 2,516,758, July 25.
Coupler for miniature railways. J. L. McKissock. 2,513,267, June 27.
Coupler for trailers, Automatic. T. Hotchkiss, Sr. 2,499,750, Mar. 7.
Coupler, Hitch. G. M. Davey and H. Haufiaire. 2,523,500, Sept. 26.
Coupler, Lubricant operated. H. R. Tear. 2,533,637, Dec. 12.
Coupler, Manual. A. Wittlin. 2,506,286, May 2.
Coupler operating device, Railway. W. J. Tangerman. 2,493,469, Jan. 3.
Coupler operating mechanism. S. C. Bronson. 2,499,567, Mar. 7.
Coupler operating mechanism. E. P. Kinne. 2,500,418, Mar. 14.
Coupler operating rod. E. P. Kinne. 2,528,439, Oct. 31.
Coupler operating rod bracket. E. S. Cisco. 2,520,832, Aug. 29.
Coupler, Quick disconnect hydraulic. R. M. Ulrich. 2,533,640, Dec. 12.
Coupler, Railway car. H. H. Wolfe. 2,496,425, Feb. 7.
Coupler, Rigid shaft. L. J. Conn. 2,504,501, Apr. 18.
Coupler, Tractor hitch. W. D. Knox. 2,522,951, Sept. 19.
Coupler, Ultra high frequency. O. Lundstrom. 2,532,317, Dec. 5.
Coupler, Variable directive. J. N. Marshall. 2,531,777, Nov. 28.
Coupler, Wave guide. A. T. Nordsieck. 2,523,841, Sept. 26.
Coupler, Wave guide. E. M. Purcell. 2,516,528, July 25.

Coupling: *See*—
Adjustable coupling.
Airtight tubular coupling.
Automatic safety air valve coupling.
Belt coupling.
Breakaway coupling.
Compression coupling.
Core barrel coupling.
Detachable coupling.
Dial coupling.
Elastic coupling.
Electric coupling.
Electrical bonding coupling.
Electrical coupling.
Fifth wheel coupling.
Flexible coupling.
Flexible shaft coupling.
Fluid coupling.
Fluid shaft coupling.
High-pressure coupling.
High-pressure swivel hose coupling.
Hitch coupling.
Hose coupling.
Hydraulic coupling.
Hydrodynamic coupling.
Implement coupling.
Impulse coupling.
Joint coupling.
Mechanical coupling.
Motor shaft coupling.
Multiple-disk friction coupling.
Nonrigid pipe coupling.
Pipe coupling.
Pipe or conduit coupling.
Pressure fluid coupling.
Quick action coupling.
Rapid releasable coupling.
Releasable hose coupling.
Reversible coupling.
Rotary fluid coupling.
Rotary hydraulic coupling.
Self-flaring pipe coupling.
Self-sealing coupling.
Service line coupling.
Shaft coupling.
Shock absorbent coupling.
Sleeve type tube coupling.
Sliding ball and socket coupling.
Speed controlled coupling.
Steam hose coupling.
Synchromesh coupling.
Tension-released coupling.
Threadless coupling.
Threadless tube coupling.
Torque transmitting coupling.
Torque transmitting shaft coupling.
Tractor-semitrailer coupling.
Trailer coupling.
Trailer hitch ball cover.
Transversely movable piston type hydraulic coupling.
Truck coupling.
Tube coupling.
Ultra high frequency coupling.
Universal coupling.
Universal fluid coupling.
Vacuum cleaner coupling.
Valve coupling.
Valved hose coupling.
Variable and reversible rotary fluid power coupling.
Wave guide coupling.
Welded coupling.

Coupling. M. W. Brandau and B. A. Main, Jr. 2,498,104, Feb. 21.
Coupling. E. F. Bruning. 2,512,999, June 27.
Coupling. A. Y. Dodge. 2,493,232, Jan. 3.
Coupling. A. Y. Dodge. 2,514,228, July 4.
Coupling. C. E. Earle and C. A. Covington. 2,521,701, Sept. 12.
Coupling. G. Fast. 2,499,093, Feb. 28.
Coupling. C. Gerst. 2,521,289, Sept. 5.
Coupling. H. R. Harding. 2,515,219, July 18.
Coupling. T. A. Hill. 2,533,885, Dec. 12.
Coupling. F. J. Irving. 2,514,394, July 11.
Coupling. F. A. Koester. 2,503,495, Apr. 11.
Coupling. K. J. Kollmann. 2,521,172, Sept. 5.
Coupling. J. T. Krapp. 2,518,026, Aug. 8.
Coupling. J. T. Krapp. 2,525,037, Oct. 10.
Coupling. J. T. Leonard. 2,506,838, May 9.
Coupling. R. Lovell. 2,499,104, Feb. 28.
Coupling. B. F. MacKeage, Jr. 2,516,472, July 25.
Coupling. D. L. Massey. 2,535,435, Dec. 26.
Coupling. F. Meier. 2,511,284. June 13.
Coupling. J. Mercier. 2,523,135, Sept. 19.
Coupling. T. S. Moulton. 2,527,644, Oct. 31.
Coupling. E. E. Murphy and R. A. Burkhart. 2,504,569, Apr. 18.
Coupling. C. S. Penfold. 2,516,907, Aug. 1.
Coupling. G. Shapiro. 2,514,420, July 11.
Coupling. O. E. Szekely. 2,523,928, Sept. 26.
Coupling. P. R. Yates. 2,494,639, Jan. 17.
Coupling and braking apparatus for traction motors. L. Heidmann. 2,524,348, Oct. 3.
Coupling and clutch, Fluid impact. J. B. Black. 2,506,989, May 9.
Coupling and clutch, Fluid impact. R. Lapsley. 2,529,400, Nov. 7.
Coupling and servicing assembly. D. T. Fernandez. 2,518,299, Aug. 8.
Coupling and switch actuator, Combined adjustable. W. M. Mack. 2,530,709, Nov. 21.
Coupling and the like, Pipe. L. M. C. Seamark. 2,531,922, Nov. 28.
Coupling apparatus for wireless antennas. D. A. Bell. 2,529,370, Nov. 7.
Coupling arrangement, Wave guide. A. J. Ortusi and R. Paul. 2,534,876, Dec. 19.
Coupling assembly for rotary drill hose. J. C. Feiler and W. L. Stivason. 2,506,494, May 2.
Coupling between balanced and unbalanced circuits. A. E. Harrison. 2,507,712, May 16.
Coupling bleed, Hydraulic. G. E. Meloy. 2,510,898, June 6.
Coupling circuit. N. E. Lindenblad. 2,507,915, May 16.
Coupling concentric cavity resonators. A. M. Gurewitsch. 2,525,452, Oct. 10.
Coupling device. J. A. Bermingham, Jr. 2,493,521, Jan. 3.
Coupling device. S. N. Buchanan. 2,503,093–4, Apr. 4.
Coupling device. J. R. Hicks and R. S. Ellis. 2,514,059, July 4.
Coupling device. J. T. Krapp. 2,522,127, Sept. 12.
Coupling device. H. A. McAninch. 2,508,832, May 23.
Coupling device. J. F. Murphy. 2,494,574, Jan. 17.
Coupling device, Automatic release-and-catch. C. W. Mott. 2,497,319, Feb. 14.
Coupling device, Capacitative. B. Adler. 2,511,524, June 13.
Coupling device for amplifier tubes. R. Besson. 2,527,696, Oct. 31.
Coupling device for conveyers. E. A. Ernst. 2,514,993, July 11.
Coupling device for finger rings. M. Manne. 2,522,954, Sept. 19.
Coupling device for pipes, tubes, and the like. F. J. Bradbury. 2,511,765, June 13.
Coupling device, High-frequency. G. Guanella. 2,522,370, Sept. 12.
Coupling device, Hose. C. M. Moore. 2,516,583, July 25.
Coupling device, Locomotive. R. M. Dilworth. 2,499,300, Feb. 28.
Coupling device, Negative resistance. J. C. O'Brien. 2,515,663, July 18.
Coupling device, Overrunning rotary fluid. R. W. Jenny. 2,534,517, Dec. 19.
Coupling device, Releasable. G. T. H. Enquist. 2,514,569, July 11.
Coupling device, Variable. R. L. Sproull. 2,520,614, Aug. 29.
Coupling either of two electrical devices to a load upon a disturbance in the other device, Arrangement. H. N. Hansen. 2,515,599, July 18.
Coupling flange. M. C. Davis. 2,528,343, Oct. 31.
Coupling for armored cable. B. J. Donohue, Jr. 2,530,381, Nov. 21.
Coupling for artificial hands or hooks, Quick disconnect. G. M. Motis. 2,516,792, July 25.
Coupling for cables, Quick disconnect. E. G. Peters. 2,497,467, Feb. 14
Coupling for Christmas tree branches, Repair. A. Goetter. 2,494,476, Jan. 10.
Coupling for conduits, Swivel. A. H. Heinrich. 2,511,261, June 13.
Coupling for eyeglasses. D. I. Stepacoff and P. C. Smith. 2,504,749, Apr. 18.
Coupling for lubrication systems. C. C. S. Le Clair. 2,521,069, Sept. 5.
Coupling for machine tools, Self-centering detachable. J. R. Davis. 2,526,998, Oct. 24.
Coupling for paralytic feet, Ankle. C. Dumelin. 2,525,658, Oct. 10.
Coupling for pipes and other tubular elements. M. Sigmund. 2,535,816, Dec. 26.
Coupling for pipes, piles, and like elements. R. Mulder. 2,494,826, Jan. 17.
Coupling for rotary brushes or other driven elements, J. Sassano. 2,524,995, Oct. 10.
Coupling for sequential chain firing network, Common. S. W. Lichtman and D. G. Mazur. 2,510,989, June 13.
Coupling for shafts, Flexible. R. S. Philbrick. 2,510,414, June 6.
Coupling for tension bolts. C. P. Schwartz. 2,506,619, May 9.
Coupling for torque transmission. E. E. Wemp. 2,518,735, Aug. 15.
Coupling for toy trains. H. Hubbell. 2,500,180, Mar. 14.
Couplings for tubing. F. Jacobson. 2,516,631, July 25.
Coupling for vacuum systems. H. F. Benoit. 2,518,218, Aug. 8.
Coupling for valves and the like. N. S. Griggs. 2,515,215, July 18.
Coupling for vehicles. A. T. C. Dear. 2,516,555, July 25.
Coupling means. G. Keech. 2,505,863, May 2.
Coupling means between radio stages. E. Labin. 2,523,311, Sept. 26.
Coupling means for connecting relatively movable parts or elements disposed about a common axis, Releasable. A. A. H. N. Scott. 2,516,428, July 25.
Coupling means for folding rolls. I. G. Anderson. 2,514,737, July 11.
Coupling means for seismometers. F. J. Williams. 2,501,558, Mar. 21.
Coupling means for tractors. H. M. Clark. 2,521,503, Sept. 5.
Coupling means for train communication systems, Wayside station line. E. W. Breisch, R. G. Reed, and L. R. Golladay. 2,531,498, Nov. 28.
Coupling mechanism for connecting the rear end of a tractor mounted power plant to a trailer device. L. Dufour. 2,515,991, July 18.
Coupling mechanism for multiple power plants, Output shaft. C. C. De Pew and A. T. Gregory. 2,505,853, May 2.
Coupling mechanism for tractor-trailer combination. J. J. Black. 2,498,847, Feb. 28.
Coupling or fastening for scaffolding and like poles. P. C. Barton. 2,511,035, June 13.
Coupling pin. R. A. W. Spooner. 2,515,807, July 18.
Coupling pin and lifting hook, Combination. A. J. Von Bank. 2,535,468, Dec. 26.
Coupling screwer. L. J. Hess. 2,518,009, Aug. 8.

Coupling 3,5-dimethylphenylmethyl ethers of cellulose with diazonium salts. L. H. Bock and P. L. de Benneville. 2,498,874, Feb. 28.
Coupling unit, Adjustably tuned. W. W. Dewhurst and P. R. Bennett. 2,503,100, Apr. 4.
Coupling unit for railway telephones. P. N. Bossart. 2,502,122, Mar. 28.
Couplings. J. Mercier. 2,507,261, May 9.
Cover: See—
Ambulance cot cover.
Armrest cover.
Automobile door cover.
Auto window garnish mold cover.
Bake pan cover.
Beehive cover.
Book cover.
Book match cover.
Burial vault cover.
Centrifugal extractor cover.
Chair cover.
Circular annealing inner cover.
Cooking utensil cover.
Detachable coat hanger cover.
Exhaust pipe end cover.
Extractor basket cover.
Eyeglass temple cover.
Folding plastic book cover.
Frying pan cover.
Garment cover.
Garment hanger cover.
Golf club cover.
Hatch cover.
Heat insulating cover.
Heating and cooling cover.
Ironer roll cover.
Ironing board cover.
Lock keeper cover.
Luggage cover.
Mattress or box spring cover.
Mixer bowl cover.
Pan cover.
Petri dish cover.
Power transmission belt cover.
Pressure-sensitive container cover.
Shank coil cover.
Spatterproof frying pan cover.
Slush pump valve cover.
Telescopic sight lens cover.
Tire traction cover.
Trailer hitch ball cover.
Utility stove cover.
Valve cover.
Water closet tank cover.
Wheel cover.
Cover and hinge, Container. J. Fleck. 2,529,248, Nov. 7.
Cover and holder, Blanket. A. Belsky. 2,505,027, Apr. 25.
Cover and making same, Checkbook. J. C. Miller. 2,495,940, Jan. 31.
Cover and stand, Combined coffee brewer. C. W. Hellberg. 2,496,792, Feb. 7.
Cover assembly, Box. J. Rock, Jr. 2,498,135, Feb. 21.
Cover construction for electric irons. B. F. Parr. 2,500,091, Mar. 7.
Cover construction, Seat cushion. C. J. Engstrom. 2,528,950, Nov. 7.
Cover-feeding mechanism. W. H. Diezel. 2,525,656, Oct. 10.
Cover for aircraft Pitot tubes, Automatically releasable. G. R. Larkin. 2,532,316, Dec. 5.
Cover for airplanes, Cockpit. W. A. J. Backer. 2,533,548, Dec. 12.
Cover for baby bottles and other receptacles, Temperature retaining. W. Kramer. 2,522,381, Sept. 12.
Cover for beehives, Ventilated, insulated. H. Babcock, Jr. 2,530,801, Nov. 21.
Cover for book jackets, Protective. A. Brody. 2,522,926, Sept. 19.
Cover for bricks, Removable. J. R. Clark. 2,496,984, Feb. 7.
Cover for dust mops, Dispensing. W. G. Leith. 2,530,250, Nov. 14.
Cover for electric service outlets. C. R. Kilgore. 2,510,745, June 6.
Cover for electrical outlets, Protective. H. J. Gregg. 2,526,606, Oct. 17.
Covering for flexible apparel accessories, Articulated ornamental. J. Kaplan. 2,502,221, Mar. 28.
Cover for food-serving dishes. H. G. Zoia. 2,501,983, Mar. 28.
Cover for frying pans. S. K. White. 2,524,554, Oct. 3.
Cover for golf club heads. J. H. Whitehead. 2,526,985, Oct. 24.
Cover for ironer rolls. T. R. Smith. 2,497,696, Feb. 14.
Cover for machinery, Safety. H. F. Latham. 2,508,460, May 23.
Cover for magnetos, Protective. H. W. Carson. 2,527,704, Oct. 31.
Cover for open heel and toe type shoes. J. J. Walsh. 2,503,460, Apr. 11.
Cover for ranges, Sliding. D. La Barre and L. Keller. 2,514,133, July 4.
Cover for separator frames. H. O. Lindgren. 2,529,221, Nov. 7.
Cover for ship hatches. H. Prehn. 2,511,007, June 13.
Cover for telescopic sight lenses, Protective. J. H. Rotter. 2,522,897, Sept. 19.
Cover for umbrellas or the like. H. R. Jones. 2,531,735, Nov. 28.
Cover for universal joints. G. B. Stillwagon, Jr. 2,534,635, Dec. 19.
Cover for vehicle head lamps, Retractable. D. M. Healey. 2,524,442, Oct. 3.
Cover for vehicle wheels. H. J. Horn. 2,522,271, Sept. 12.
Cover having side and end walls laterally stretchable and longitudinally yieldable, Luggage. I. J. Meyers. 2,520,250, Aug. 29.
Cover hold-down means. N. E. Hart and W. A. Guss. 2,523,428, Sept. 26.
Cover holding clip. H. R. Simons. 2,503,222, Apr. 4.
Cover operated switch. P. M. Santullo. 2,522,063, Sept. 12.
Cover retainer, Sewer vent. D. A. Weaver. 2,524,242, Oct. 3.
Cover section for oscillating type wheels. R. E. Boyden. 2,506,337, May 2.
Cover unit, Mining machine protective. C. E. Brown. 2,496,694, Feb. 7.
Covered container. K. T. Buttery. 2,503,798, Apr. 11.
Covering, Adjustable foot. J. Rosenzweig. 2,523,449, Sept. 26.
Covering and making the same, Floor or wall. W. Rowe. 2,532,196, Nov. 28.
Covering balls. F. T. Roberts. 2,505,430, Apr. 25.
Covering balls, Method and apparatus for. F. T. Roberts. 2,524,680. Oct. 3.
Covering, Body member. J. Kaas. 2,518,424, Aug. 8.
Covering device, Garment. R. P. Ingraham. 2,522,788, Sept. 19.
Covering for abrading drums, Detachable. A. N. Emmons and G. N. Enlund. 2,504,923, Apr. 18.
Covering for airfoils, Protective. T. C. Harper. 2,506,501, May 2.
Covering for cables, Protective. J. H. Sulzer. 2,506,816, May 6.
Covering, Head. L. E. Stone. 2,519,512, Aug. 22.
Covering material, Moisture resistant. H. W. Crockett. 2,529,799, Nov. 14.
Covering, One-piece foot. R. Hogan. 2,494,617, Jan. 17.
Covering, Protective. W. C. Harben. 2,522,612, Sept. 19.
Covering, Roof. H. van Waveren. 2,522,413, Sept. 12.
Covering system. A. J. E. L. Bigard. 2,497,287, Feb. 14.
Covering weather stripping composed of a web having a continuous bead extending along and bonded to one edge thereof. G. W. Brown and V. E. Metz. 2,520,113, Aug. 29.
Coverings, Making improved hand. J. Shmikler. 2,525,378, Oct. 10.
Coverings, Making roll. J. Rockoff. 2,500,573, Mar. 14.
Covers for bus bars, Making insulating. G. J. Muller. 2,530,835, Nov. 21.
Cow tail holder. A. J. Arends. 2,516,744, July 25.
Cow tail holder. A. J. Kline. 2,513,494, July 4.
Cowl. E. Sokolik. 2,517,252, Aug. 1.
Cowl fastener. T. R. Griffin. 2,515,510, July 18.
Cowl fastener. A. M. Henry. 2,519,571, Aug. 22.
Cowl flap. J. H. Brewster, III. 2,509,804, May 30.
Cowl for chimneys or ventilator shafts. T. A. Leardi, E. J. Long, and M. J. Stephens. 2,514,247, July 4.
Crab cracker. K. Logan. 2,517,899, Aug. 8.
Crab trap. E. L. Bush. 2,530,449, Nov. 21.
Cracking and reforming process, Catalytic. H. J. Hepp. 2,504,415, Apr. 18.
Cracking apparatus. T. B. Kimball and R. E. Howe. 2,529,503, Nov. 14.
Cracking catalyst and cracking process utilizing the same. E. C. Hughes and S. M. Darling. 2,493,761, Jan. 10.
Cracking hydrocarbons. J. H. Shapleigh. 2,525,276, Oct. 10.
Cracking hydrocarbons with modified kaolin catalyst. H. A. Shabaker. 2,494,586, Jan. 17.
Cracking of diisobutylene, Catalytic. F. B. Johnson. 2,498,840, Feb. 28.
Cracking of hydrocarbons, Thermal and catalytic. P. M. Waddill. 2,529,790, Nov. 14.
Cracking of hydrocarbons with water-saturated catalysts, Liquid phase. H. A. Hormann. 2,495,723, Jan. 31.
Cracking tarry materials, Method of and apparatus for. M. H. Tuttle. 2,495,613. Jan. 24.
Cracking with hydrogen fluoride catalyst. R. J. Hengstebeck. 2,518,546, Aug. 15.
Cracking with hydrogen fluoride catalyst. H. D. Radford, R. J. Lee, and P. S. Drennan. 2,527,573, Oct. 31.
Cradle. C. L. Miller. 2,531,858, Nov. 28.
Cradle and sound-producing means, Combined doll's. H. B. Palmer. 2,505,626, Apr. 25.
Cradle having a removable crib. W. O. Gosselin. 2,534,438, Dec. 19.
Cradle, Model boat. E. Nitenson. 2,521,938, Sept. 12.
Cradle, Musical doll. J. G. Braun. 2,501,861, Mar. 28.
Cradle, Tube shipping. E. R. Goldfield and R. C. Schiring. 2,494,170, Jan. 10.
Cradles, Construction of. J. Chodacki and A. Zak. 2,493,655, Jan. 3.
Crane. H. J. King and G. A. Jacobi. 2,515,777, July 18.
Cr_2O_3-hydrogenating metal oxide catalysts, Preparing. A. F. Kapecki. 2,512,653, June 27.
Crane and the like apparatus mounted on rails. E. J. Varda. 2,526,307, Oct. 17.
Crane arrangement for wrecking trucks. E. C. Vandergrift, Sr., and A. Naffin. 2,497,379, Feb. 14.
Crane boom mounting. W. S. Burdick and K. Schneider. 2,532,602, Dec. 5.
Crane, Drape-supporting. E. G. Moeller. 2,531,822, Nov. 28.
Crane, Drapery. H. Weber. 2,502,358, Mar. 28.
Crane, Electrically operated overhead traveling. K. S. Kuka. 2,509,153, May 23.
Crane for erecting silos. W. C. Lutz. 2,493,887, Jan. 10.
Crane for motor vehicles, Hydraulic. J. E. Forslund. 2,528,588, Nov. 7.
Crane hook. W. E. Boyd. 2,514,307, July 4.

Crane, Hydraulically actuated swing boom. H. Wunsch. 2,528,985, Nov. 7.
Crane, Mobile. W. Taylor. 2,502,108, Mar. 28.
Crane, Traverse. F. W. Steinmeyer. 2,516,490, July 25.
Crane, Truck. W. McKinney. 2,496,401, Feb. 7.
Crane, Truck. A. E. Ormsby. 2,503,590, Apr. 11.
Crane, Vehicle mounted. G. V. Johnson. 2,510,636, June 6.
Crane with load lifting accessory, Vehicle mounted. R. C. Shoemaker. 2,506,242, May 2.
Crane with portable boom. B. M. Mathias. 2,521,861, Sept. 12.
Crank and eccentric shaft, Unitary. G. W. Walton. 2,525,248, Oct. 10.
Crankcase air filter. H. P. Phillips. 2,500,567, Mar. 14.
Crankcase pressure control. R. E. Brown. 2,532,888, Dec. 5.
Crankcase ventilation. A. J. Kline and L. H. Frailing. 2,524,597, Oct. 3.
Crank means, Adjustable. R. L. Snyder. 2,518,501, Aug. 15.
Crankpin turning tool. I. D. Zitzerman. 2,507,846, May 16.
Crankpin working machine tool. A. Baruch. 2,522,084, Sept. 12.
Crankshaft bearing. W. J. Redman. 2,519,501, Aug. 22.
Crankshaft for motor compressors, Large diameter. J. S. Palmer. 2,524,207, Oct. 3.
Crankshaft, Multisection. F. G. Lake. 2,496,397, Feb. 7.
Crankshaft refinishing tool. G. C. Beck. 2,520,025, Aug. 22.
Crankshaft sleeve. L. F. and M. Hickman, 2,532,912, Dec. 5.
Crankless pump. W. Brauer. 2,512,592. June 27.
Crate. O. F. Arthur. 2,530,797, Nov. 21.
Crate. R. J. Byers. 2,521,502, Sept. 5.
Crate. R. J. Byers. 2,533,663, Dec. 12.
Crate, Animal shipping. A. L. Williams. 2,534,492, Dec. 19.
Crate, Bottle. S. J. Blackwell. 2,513,709, July 4.
Crate, Bottle. S. J. Blackwell. 2,526,113, Oct. 17.
Crate, Bottle. H. Kershaw. 2,513,096. June 27.
Crate, Bottle. D. L. Tichenor. 2,519,800, Aug. 22.
Crate, Bottle. C. C. Wales. 2,526,716, Oct. 24.
Crate, Collapsible. H. A. Abbott. 2,494,275, Jan. 10.
Crate, Collapsible poultry. L. L. Albert. 2,529,893, Nov. 14.
Crate, Collapsible poultry. H. A. (Mont) Davidson. 2,501,642, Mar. 21.
Crate, Collapsible shipping. A. J. Ford. 2,512,145, June 20.
Crate, Folding bread. O. B. Denny. 2,512,522, June 20.
Crate for animals, Shipping. L. C. Miller. 2,530,170, Nov. 14.
Crate for bottles. O. J. Bluhm. 2,523,272, Sept. 26.
Crate for paper milk containers. D. R. Swingle. 2,496,965, Feb. 7.
Crate for shipping, storing, and other handling of merchandise, Knockdown. L. F. Emigholz and C. C. Averill. 2,503,811, Apr. 11.
Cratemaking machine. G. E. Stilwell. 2,511,020, June 13.
Crate, Milk. W. L. Rawn, Jr. 2,530,481, Nov. 21.
Cravat holder. J. C. Bagnall, Jr. 2,506,481, May 2.
Cravat holder. J. C. Bagnall. 2,509,412, May 30.
Cravat holder. E. A. Johnson. 2,510,286, June 6.
Cravat holder. C. Marien. 2,507,478, May 9.
Crawl carry mechanism. H. P. Mixer. 2,518,358, Aug. 8.
Crawler tread adjusting device. C. E. Jones. 2,513,265, June 27.
Crayon holder. G. W. Moore. 2,495,342, Jan. 24.
Cream cheese, The manufacture of. R. P. Chénier. 2,508,663, May 23.
Cream manufacture, Process and system for confectionery. S. P. MacDonald and J. I. Thompson. 2,507,477, May 9.
Cream product, Preparation of a stabilized. L. H. Chrysler and E. F. Almy. 2,503,866, Apr. 11.
Cream remover. J. P. Jones. 2,531,630, Nov. 28.
Cream separator. C. E. Deardorff. Re. 23,215, Apr. 4.
Cream separator. B. F. Doscher. 2,523,561, Sept. 26.
Creaming of mixtures of synthetic rubber latices of different average particle sizes. J. S. Rumbold. 2,494,002, Jan. 10.
Creaming of natural rubber latex. J. S. Rumbold. 2,534,374–5, Dec. 19.
Creasing device. W. C. Davis, and W. H. Woodrow. 2,526,202, Oct. 17.
Creasing machine, Book joint. J. D. Stone. 2,508,585, May 23.
Creating pin fin surfaces for heat exchangers. S. Holm. 2,505,619, Apr. 25.
Credenza and table, Combined. M. C. Simonowitz. 2,521,547, Sept. 5.
Creel. W. J. Elvin and E. R. Stahl. 2,493,863, Jan. 10.
Creeling process, Wet cake. E. L. Davis, Jr. 2,509,487, May 30.
Creep testing apparatus. J. A. Van den Akker. 2,506,048, May 2.
Creeper. P. A. Marceau. 2,499,516, Mar. 7.
Creeper and harvester, Agricultural. H. H. Kunkel. 2,523,832, Sept. 26.
Creeper, Baby. W. L. Thompson. 2,505,310, Apr. 25.
Creeper, Field. G. and E. Platt. 2,511,940, June 20.
Creeper for use on icy or other slippery surfaces. E. Arieti. 2,493,563, Jan. 3.
Creeper, Mechanic's. R. V. Sweatt, Jr. 2,498,313, Feb. 21.
Creeper, Repairman's. G. D. and R. E. Moody. 2,520,047, Aug. 22.
Creeper, Repairman's. G. D. Murray. 2,509,934, May 30.
Creped foil, Production of. H. R. Butler. 2,522,857, Sept. 19.
Creped webs, Process of and apparatus for making longitudinally and laterally stretchable. P. W. Dorst. 2,494,334, Jan. 10.
Crib and dresser, Combination. M. Braver. 2,501,309, Mar. 21.
Crib and mechanism for oscillating the same. S. N. Baruch. 2,529,721, Nov. 14.
Crib, Car. R. P. Jacobsen. 2,507,977, May 16.
Crib, chair, and tray structure for infants, Convertible. J. W. Lawton. 2,520,941, Sept. 5.
Crib attachment. R. W. Lord. 2,500,640, Mar. 14.
Crib, Collapsible baby. E. E. Hills. 2,528,749, Nov. 7.
Crib convertible to play pen, Collapsible baby. H. S. Maguire. 2,520,846, Aug. 29.
Crib, Cradle. A. Klazkin. 2,532,236, Nov. 28.
Crib extension. E. Levine. 2,501,824, Mar. 28.
Crib, Foldable baby. G. L. King. 2,518,904, Aug. 15.
Crib for infants. O. Surface. 2,507,060, May 9.
Crib frame and chest of drawers structure, Combination separable. F. H. Weigle and B. Yuffy. 2,533,983, Dec. 12.
Crib, Portable. H. E. Reeves. 2,504,879, Apr. 18.
Crib with mattress frame and side panels simultaneously movable in opposite vertical directions. S. B. Goldstein. 2,504,324, Apr. 18.
Cribbage board. W. F. Swift. 2,531,589, Nov. 28.
Cribbing device. P. H. Hamilton. 2,506,828, May 9.
Crimper and stacker, Paper. G. G. Sapp. 2,514,801, July 11.
Crimping apparatus. J. H. Pfau. 2,514,557, July 11.
Crimping machine. W. H. Browne and W. E. Lindemann. 2,508,489, May 23.
Crimping machine, Package. L. L. Salfisberg. 2,500,874, Mar. 14.
Crimping or pleating apparatus and method. B. J. Pilliner. 2,495,130, Jan. 17.
Crisper, Food. G. R. and J. M. Kodadek. 2,521,855, Sept. 12.
Critical speed indicator. W. W. Beman. 2,497,431, Feb. 14.
Crop cutter. E. P. Brukholder. 2,496,982, Feb. 7.
Crop drying apparatus. A. A. Andersen and B. C. Mathews. 2,532,530, Dec. 5.
Crop gathering means for harvesters. M. H. Tuft. 2,507,742, May 16.
Cross association of webs. W. P. V. Ross. 2,495,909, Jan. 31.
Crossbar for vehicles, Supporting. F. Fahland. 2,514,229, July 4.
Crossbow. H. L. Bailey. 2,500,509, Mar. 14.
Cross-feed mechanism for grinding machines. H. Arter and W. F. Fraser. 2,535,997, Dec. 26.
Crosshatching device. F. M. Di Maria. 2,513,404, July 4.
Crosshead. L. A. Blackburn. 2,522,742. Sept. 19.
Crosshead. E. A. Pennington. 2,510,833, June 6.
Cross structure, Religious. R. F. Brennan. 2,519,819, Aug. 22.
Crosstie and rail anchor assembly. W. H. Taylor. 2,517,810, Aug. 8.
Crosstie connection between lawn mower side frames. E. H. Worthington. 2,509,949, May 30.
Cross-wind airplane landing gear. O. W. Loudenslager. 2,504,077, Apr. 11.
Cross-wire switch. C. N. Hickman. 2,516,772, July 25.
Cross-wire switch. R. L. Peek, Jr. 2,517,022, Aug. 1.
Crossing gate. E. A. Brass. 2,528,733, Nov. 7.
Crossing, Highway-railway grade. W. J. Montgomery. 2,496,739, Feb. 7.
Crotch for men's underwear, Reinforced. H. Gadalowitz. 2,532,805, Dec. 5.
Crown for combined winding and setting stems of timepieces. G. Henry. 2,507,974, May 16.
Crucible holder. R. Meyrowitz. 2,528,536, Nov. 7.
Crucifix. P. C. Stanley. 2,520,661, Aug. 29.
Crucifix and case, Portable. A. Robinson. 2,528,913, Nov. 7.
Crumber, Table. J. H. Miller. 2,494,572, Jan. 17.
Crusher and container, Cigarette. B. F. Michel. 2,533,679, Dec. 12.
Crusher Cup. H. B. Halt. 2,493,193, Jan. 3.
Crusher, Disk type clod. L. E. Gilreath. 2,513,165, June 27.
Crusher having a floating ring, Gyratory. S. W. Traylor, Jr. 2,498,774, Feb. 28.
Crusher with lubricating means within the jaw, Parallel material flow type jaw. M. E. Meinhardt. 2,505,132, Apr. 25.
Crusher with power head adjustment, Gyratory. S. W. Traylor, Jr. 2,510,437, June 6.
Crushing machine, Hay. T. T. Scott. 2,521,999, Sept. 12.
Crutch. W. C. Burry and A. B. Christie. 2,516,852, Aug. 1.
Crutch. F. J. Redcliffe. 2,515,798, July 18.
Crutch, All-weather. G. E. Evens. 2,527,180, Oct. 24.

Crutch, Extensible. G. E. Osborn. 2,528,706, Nov. 7.
Crutch, Multilegged. S. E. Du Bois. 2,518,763, Aug. 15.
Cryptographic apparatus. A. H. Buckley. 2,515,492, July 18.
Crystal analysis apparatus having a removable crystal holder. J. E. Coleman. 2,497,070, Feb. 14.
Crystal and condenser combination, Piezo electric. W. E. Kuenstler. 2,508,720, May 23.
Crystal and treating same, Quartz. N. A. and W. A. Wooster, and E. A. Fielding. 2,504,368, Apr. 18.
Crystal apparatus, Piezoelectric. F. Caroselli. 2,509,478, May 30.
Crystal apparatus, Piezoelectric. H. Jaffe. 2,493,145, Jan. 3.
Crystal formation and precipitation. V. J. Schaefer and B. Vonnegut. 2,527,230, Oct. 24.
Crystal grinding device. F. G. Volkel. 2,509,402, May 30.
Crystal, Hermetically sealed. P. R. Hoffman. 2,513,870, July 4.
Crystal holder. E. F. Kiernan. 2,496,293, Feb. 7.
Crystal holder. F. Kral. 2,525,138, Oct. 10.
Crystal holder. C. O. Kuehl. 2,523,701, Sept. 26.
Crystal holder. L. C. Via. 2,497,966, Feb. 21.
Crystal mounting. D. W. Keller. 2,518,793, Aug. 15.
Crystal, Producing quartz. N. A. and W. A. Wooster. 2,508,208, May 16.
Crystal unit, Piezoelectric. F. Massa. 2,497,680, Feb. 14.
Crystal unit, Piezoelectric. R. A. Sykes. 2,505,370, Apr. 25.
Crystalline dextrose, Manufacture of. L. Wallerstein. 2,531,999, Nov. 28.
Crystalline 1-amino-mannuronic amide, Making. H. S. Isbell and H. L. Frush. 2,504,983, Apr. 25.
Crystalline salts of riboflavin, Preparation of. M. Tishler and J. W. Wellman. 2,531,712, Nov. 28.
Crystallization of glutamic acid derived from hydrolysates. R. W. Shafor and F. H. Catterson. 2,517,601, Aug. 8.
Cube maker, Automatic ice. F. H. Schaberg and N. H. Therriault. 2,493,900, Jan. 10.
Cubing machine, Bread. C. H. Petskeyes. 2,520,853, Aug. 29.
Cueing control for audio circuits. J. P. Smith, Jr. 2,511,085, June 13.
Cuff. M. L. Kaplan. 2,524,448, Oct. 3.
Cuff construction for shirts. E. Stanley. 2,515,322, July 18.
Cuff fastener. J. B. Lewis. 2,510,988, June 13.
Cuff, Garment sleeve. I. W. Jacobson. 2,497,262, Feb. 14.
Cuff link. E. Bayardi. 2,501,151, Mar. 21.
Cuff link. L. D. Burr, Jr. 2,519,821, Aug. 22.
Cuff link. C. Marien. 2,520,886, Aug. 29.
Cuff link. A. J. Rowan. 2,501,618, Mar. 21.
Cuff link construction. I. Taegtstroem. 2,516,732, July 25.
Cuff link, Separable. A. J. Schwartz. 2,512,075, June 20.
Cuff link with pivoted head. E. Morehouse and F. A. Ballou, Jr. 2,527,440, Oct. 24.
Culinary article, Shredder type. M. Hayman and C. W. Galen. 2,505,114, Apr. 25.
Culinary mixes, Making. O. Johnson. 2,499,586, Mar. 7.
Cultivator. G. E. Carey. 2,503,468, Apr. 11.
Cultivator. J. M. Hartman. 2,504,412, Apr. 18.
Cultivator. W. A. Hyland. 2,498,887, Feb. 28.
Cultivator and harvester. J. W. Roberts. 2,514,338, July 4.
Cultivator and weeder, Hand. P. De Conti. 2,529,542, Nov. 14.
Cultivator attachment, Rotary. D. W. Ritenour. 2,500,869, Mar. 14.
Cultivator, Disk type garden. D. A. Rossi. 2,524,330, Oct. 3.
Cultivator, Flame. V. A. Johnson. 2,523,953, Sept. 26.
Cultivator, Flame. P. C. McLemore. 2,530,894, Nov. 21.
Cultivator, Flame. A. Richards. 2,494,720, Jan. 17.
Cultivator for tractors, Crossrow. W. Griffiths. 2,521,631, Sept. 5.
Cultivator, Garden. C. R. Nelson. 2,518,051, Aug. 8.
Cultivator guided by the tractor steering mechanism, Vineyard. J. B. Hostetter. 2,522,227, Sept. 12.
Cultivator, Hand. J. F. Linden. 2,513,033, June 27.
Cultivator, Orchard. G. E. Judd. 2,514,766, July 11.
Cultivator, Power-driven eccentrically actuated circulatory earth. Z. Takats. 2,517,733, Aug. 8.
Cultivator, Reciprocating and oscillating. W. D. Edwards. 2,526,736, Oct. 24.
Cultivator, Rotary. H. Brown. 2,528,576, Nov. 7.
Cultivator, Rotary power. G. H. Dayton. 2,531,557, Nov. 28.
Cultivator tooth releasing means. F. T. Court. 2,506,443, May 2.
Cultivator, Winged. W. A. Hyland and E. E. Schnell. 2,498,888, Feb. 28.
Culturing apparatus. F. K. Chandler. 2,530,597, Nov. 21.
Cup, Adjustable measuring. L. Berkower. 2,527,348, Oct. 24.
Cup and saucer support. E. R. Hanson. 2,515,405, July 18.
Cup, Animal drinking. S. H. Hay and F. B. Hay, Jr. 2,514,491, July 11.
Cup assembly, Dry. F. P. Peters. 2,518,368, Aug. 8.
Cup for grease fittings. P. J. Marchelewicz. 2,530,888, Nov. 21.
Cup, Ice-cream. A. A. Heyman. 2,501,939, Mar. 28.
Cup-making machine. F. Ruza. 2,497,239, Feb. 14.
Cup, Menstrual. L. W. Chalmers. 2,534,900, Dec. 19.
Cup, Nested. R. J. Kieckhefer. 2,530,124, Nov. 14.
Cup, Safety drinking. A. Tellier. 2,529,114, Nov. 7.
Cup, Sanitary strip. J. R. Stalloch and M. F. Wilkinson. 2,518,831, Aug. 15.
Cup, Sputum. K. C. Hamilton. 2,503,045, Apr. 4.
Cup, Teat. E. J. Gierl. 2,531,266, Nov. 21.
Cup, Teat. E. T. Jansson. 2,502,956, Apr. 4.
Cup, Weaning. B. M. Michael. 2,534,614, Dec. 19.
Cupboard catch. A. F. Lickteig. 2,515,560, July 18.
Cupola. H. L. Kuehlthau. 2,513,569, July 4.
Cupola charging apparatus. F. H. Fones. 2,501,768, Mar. 28.
Cupola furnace. H. P. Kreulen. 2,495,264, Jan. 24.
Cupola, Gray iron foundry. W. Gilbert. 2,510,499, June 6.
Cupola type furnace. E. S. Renshaw and S. J. Sargood. 2,493,642, Jan. 3.
Cupric hydrate, Manufacture of. P. J. Rowe. 2,525,242, Oct. 10.
Cuprous oxide, Preparation of. W. J. Harshaw and J. O. Hay. 2,507,008, May 9.
Curb bit. F. A. Ray. 2,494,201, Jan. 10.
Curb inlet casting. D. S. Crocker. Re. 23,205, Mar. 14.
Cure tester for plastics. R. D. Beck. 2,535,830, Dec. 26.
Curette kit. W. F. Rosenberg. 2,519,070, Aug. 15.
Curing acrylic base denture material. W. M. Harrison. 2,498,368, Feb. 21.
Curing apparatus, Stack. E. V. Collins and V. S. Peterson. 2,502,205, Mar. 28.
Curing apparatus, Tobacco. W. T. Wagoner. 2,505,313, Apr. 25.
Curing butadiene copolymers. T. S. Carswell. 2,500,517, Mar. 14.
Curing copolymers of butadiene-1,3 and acrylonitrile with organic halogen compounds. D. J. Beaver. 2,504,295, Apr. 18.
Curing meat and to processes for producing the curing means. T. D. Hill. 2,532,842, Dec. 5.
Curing of chloroprene polymers. M. F. Torrence. 2,518,579, Aug. 15.
Curing of hydrocarbon-substituted polysiloxane resins with benzyl trimethyl ammonium butoxide. K. N. Mathes. 2,518,160, Aug. 8.
Curing of isobutylenediolefin copolymers, Atmospheric. F. P. Baldwin. 2,519,100, Aug. 15.
Curing of meat to inhibit undesirable color change. G. O. Hall. 2,513,094, June 27.
Curing of organo-siloxane resins, Catalytic. L. F. Berhenke and L. W. Byers. 2,521,672, Sept. 12.
Curing prolamine fibers with aldehyde in liquid organic medium. C. B. Croston, C. D. Evans, L. L. McKinney, and J. C. Cowan. 2,524,042, Oct. 3.
Curing tube protector. T. P. Bacon, Jr. 2,524,156, Oct. 3.
Curl clip. C. Baker. 2,515,976, July 18.
Curl clip. I. H. Peck. 2,505,719, Apr. 25.
Curler, Eyelash. W. R. Tuttle and W. J. Beldue. 2,506,121, May 2.
Curler, Hair. M. E. Beguhn. 2,528,994, Nov. 7.
Curler, Hair. L. J. and M. R. Hall. 2,530,197, Nov. 14.
Curler, Hair. T. J. Heaton. 2,527,218, Oct. 24.
Curler, Hair. Y. I. Licastro. 2,524,266, Oct. 3.
Curler, Hair. L. Spencer. 2,525,750, Oct. 10.
Curler, Hair. D. Webster. 2,525,981, Oct. 17.
Curler with retractable comb, Hair. C. W. Renstrom, E. Hoffman, and C. D. Gresham. 2,526,577, Oct. 17.
Currency container. R. W. Haas. 2,508,159, May 16.
Currency containing cabinet. B. D. Williams. 2,508,981, May 23.
Current amplitude limiter. H. B. Martin and K. L. Neumann. 2,513,809, July 4.
Current collecting construction. J. Milazzo. 2,495,750, Jan. 31.
Current collector. R. O. Heinemann. 2,524,289, Oct. 3.
Current collector. R. O. Heinemann, B. F. Langer, and H. C. Werner. 2,512,329, June 20.
Current collector. B. F. Langer. 2,508,176, May 16.
Current collector. A. J. Mosley. 2,508,531, May 23.
Current collector insert. S. S. Rice. 2,500,868, Mar. 14.
Current collector member. F. W. Merrill. 2,519,918, Aug. 22.
Current collector of the pantograph type. R. O. Heinemann. 2,530,963, Nov. 21.
Current-control apparatus for potential-measuring apparatus. E. C. Taylor. 2,497,918, Feb. 21.
Current control circuit. J. H. McConnell. 2,528,446, Oct. 31.
Current control device, Alternating. D. S. Barlow. 2,519,425, Aug. 22.
Current control device, Alternating. D. W. Grant. 2,519,426, Aug. 22.
Current control system. P. H. Winslow. 2,526,597, Oct. 17.
Current device employing mutually bombarded electrodes, Space. C. J. Calbick. 2,509,053, May 23.
Current electromotive apparatus, Reversible alternating. R. S. Curry, Jr. 2,519,356, Aug. 22.
Current generation, Electrical alternating. S. R. Montcalm. 2,533,032, Dec. 5.
Current inrush control. J. M. Andrews. 2,526,924, Oct. 24.
Current limiter. C. E. Mosley. 2,518,361, Aug. 8.

Current limiter for motors, Photoelectric. W. C. Rautter. 2,521,479, Sept. 5.
Current-limiting and protective arrangement. A. B. Rypinski. 2,514,012, July 4.
Current measuring shunt in lightning rods. N. E. Lindenblad. 2,502,657, Apr. 4.
Current rectifiers, Manufacture of alternating electric. E. A. Sheppard and B. W. Glover. 2,531,535, Nov. 28.
Current regulator tube. A. De Graaff. 2,530,686, Nov. 21.
Current supply apparatus. J. A. Potter. 2,516,799, July 25
Current supply system. A. L. Quirk. 2,502,342, Mar. 28.
Current tow motor. E. Underhill. 2,509,323, May 30.
Current transformer system, Variable. U. Lamm, H. Forssell, and J. Hansen. 2,514,452, July 11.
Curtain. W. S. Brandvein. 2,533,873, Dec. 12.
Curtain, Adjustable window. C. S. Robertson. 2,520,613, Aug. 29.
Curtain assembly. K. E. Rand. 2,520,653, Aug. 29.
Curtain construction. E. P. Bixer. 2,533,216, Dec. 12.
Curtain construction. H. Sheinman. 2,535,238, Dec. 26.
Curtain, Diaphragm side. L. R. Schuster and O. B. Schoenky. 2,503,773, Apr. 11.
Curtain hanging device, Vertically adjustable. S. Mayer. 2,534,785, Dec. 19.
Curtain holder. N. Fowler. 2,504,821, Apr. 18.
Curtain, Multiple phased stage. S. Leve. 2,517,003, Aug. 1.
Curtain or drapery fixture. E. Light. 2,522,288, Sept. 12.
Curtain rod. M. Barnett. 2,511,762, June 13.
Curtain rod. L. D. Ford and F. L. Stutz. 2,494,697, Jan. 17.
Curtain rod and shade roller bracket arrangement. C. R. Hott. 2,521,062, Sept. 5.
Curtain rod bracket. F. A. Gehret. 2,512,793, June 27.
Curtain rod bracket. N. Straus. 2,498,590, Feb. 21.
Curtain, Ruffle. F. S. Nichols. 2,494,668, Jan. 17.
Curtain-shutter operating mechanism for photographic cameras. A. H. Gorey. 2,517,658, Aug. 8.
Curtain stretcher. W. W. Block. 2,521,685, Sept. 12.
Curtain stretcher. E. M. Scott. 2,502,597, Apr. 4.
Curtain stretcher corner structure. W. H. Bothe. 2,519,628, Aug. 22.
Curtain stretching frame. J. A. Leas. 2,501,395, Mar. 21.
Curtain, Washable ruffled window. H. F. Gundlach. 2,528,652, Nov. 7.
Curtain, Window. V. K. Hill. 2,500,074, Mar. 7.
Curve-cutting band-saw attachment. C. O. Forbes. 2,535,673, Dec. 26.
Curve for drawing ellipses. J. A. Fulton. 2,512,492, June 20.
Curve selector and scriber. W. A. Markham. 2,499,518, Mar. 7.
Cushion. H. L. Benda. 2,512,007, June 20.
Cushion and support pad, Combination. G. W. McHenry. 2,522,186, Sept. 12.
Cushion assembly, Sinuous spring. R. J. Williams, and G. L. Stine. 2,526,183, Oct. 17.
Cushion filling machine, Electrically operated automatic. M. H. Lang. 2,509,771, May 30.
Cushion, Foot. G. C. Skinner. 2,498,624, Feb. 21.
Cushion for clutch plates. H. C. Goodchild. 2,533,789, Dec. 12.
Cushion for oxygen masks, Mandible. W. T. Oberto. 2,521,084, Sept. 5.
Cushion for upholstered furniture, Spring. A. M. Bank. 2,515,177, July 18.
Cushion or receptacle. B. A. Dodd. 2,521,780, Sept. 12.
Cushion, Spring. H. F. Hager. 2,516,566, July 25.
Cushion utilizing side-loaded helical spring, Resilient. A. R. Schulze. 2,525,730, Oct. 10.
Cushion, Ventilated fruit. B. M. Hoblick. 2,500,412, Mar. 14.
Cushioned magnetic switch. H. L. Bradley. 2,531,025, Nov. 21.
Cushioned packing box. S. Scurich, Jr. 2,514,295, July 4.
Cushioning and centering device for railway car couplers. K. T. Nystrom. 2,529,626, Nov. 14.
Cushioning device for C-clamps. W. B. Brown. 2,519,107, Aug. 15.
Cushioning device for fluid conduits. E. Singer. 2,497,020, Feb. 7.
Cushioning device for rock drill handles. J. H. Anderson. 2,531,800, Nov. 28.
Cushioning mechanism for railway vehicles. H. L. Spence and D. Willison. 2,527,589, Oct. 31.
Cushioning structure. H. C. Flint. 2,514,214, July 4.
Custard machine, Frozen. B. H. Woodruff. 2,523,853, Sept. 26.
Customer's signal. H. C. Roberts, Jr. 2,505,365, Apr. 25.
Cut film holder. L. I. Smith and R. Engle. 2,506,907, May 9.
Cuticle pusher. L. A. Rogers. 2,513,208, June 27.
Cuticle remover. W. A. Roe. 2,516,423, July 25.
Cutoff and form tool holder. M. J. Schlitters. 2,499,529, Mar. 7.
Cutoff, Automatic paper feed. A. Martell. 2,518,042, Aug. 8.
Cutoff device, Automatic. W. Waterman. 2,512,190, June 20.
Cutoff for damaged radiator sections, Automatic. H. T. Booth. 2,501,709, Mar. 28.
Cutoff for gas burners, Automatic safety. J. H. Thornbery. 2,517,363, Aug. 1.
Cutoff machine. G. H. Bullard. 2,511,563, June 13.
Cutoff machine. E. F. Pinney. 2,528,779, Nov. 7.
Cutoff machine, Piercing. H. A. Myers. 2,496,013, Jan. 31.
Cutoff system for battery chargers, Maximum temperature. L. A. Medlar and J. B. Godshalk. 2,529,038, Nov. 7.
Cutoff valve. G. V. Powers. 2,535,953, Dec. 26.
Cutout construction. W. O. Schultz. 2,513,822, July 4.
Cutout, Erector magnet. E. R. Wolfert. 2,525,108, Oct. 10.
Cutout, Electrical. W. O. Schultz. 2,493,316–17, Jan. 3.
Cutout, Electrical fused. L. J. Linde and D. C. Hubbard. 2,512,498, June 20.
Cutout for motors, Starter winding. J. G. Juhasz. 2,503,493, Apr. 11.
Cutout for shotguns, Safety. G. H. Beaver. 2,501,254, Mar. 21.
Cutout, Fused. E. H. Yonkers. 2,493,432–3, Jan. 3.
Cutouts, Making display. O. W. Gregson and E. A. Ekstrom. 2,495,519, Jan. 24.
Cutter: *See*—

Adjustable cutter.
Ampoule neck cutter.
Armored cable cutter.
Automatic paraffin cutter.
Bear claw cutter.
Bearing oil groove cutter.
Biscuit or cooky cutter.
Bottle seal cutter.
Broom corn cutter.
Brush cutter.
Brush and root cutter.
Butter cutter.
Buttonhole cutter.
Cable cutter.
Casing cutter.
Cheese cutter.
Clay pipe cutter.
Cloth cutter.
Cluster tooth cutter.
Conduit cutter.
Crop cutter.
Drill cutter.
Egg cutter.
Ensilage cutter.
Finger nail cutter.
Flame cutter.
Food cutter.
Gasket cutter.
Gear cutter.
Glass cutter.
Grapefruit cutter.
Grass cutter.
Grass and weed cutter.
Hand corn cutter.
Hot dog cutter.
Inserted blade cutter.
Inside pipe cutter.
Internal pipe cutter.
Lawn edge cutter.
Lawn mower cutter.
Metal strip cutter.
Milling cutter.
Optical lens cutter.
Paraffin cutter.
Pastry cutter.
Pie and cake cutter.
Pipe cutter.
Pipe wiper cutter.
Plaster cast cutter.
Potato cutter.
Power-driven cast cutter.
Pressed log cutter.
Rivet cutter.
Roll material strip cutter.
Root cutter.
Rotary doughnut cutter.
Rotary impact pipe cutter.
Rotary stencil film cutter.
Rotary weed cutter.
Safety thread cutter.
Sanitary butter cutter.
Seed potato cutter.
Shoe sole conditioning cutter.
Sod cutter.
Stalk cutter.
Staple fiber cutter.
Straw cutter.
Thread cutter.
Tow cable cutter.
Tube cutter.
Vegetable cutter.
Vegetation cutter.
Vehicle-carried single-pass tree cutter.
Wallpaper cutter.
Well casing cutter.
Welt cutter.
Wing cutter.
Wire line cutter.

Cutter. G. B. and B. E. Jones. 2,529,949, Nov. 14.
Cutter. H. Kuchman. 2,501,682, Mar. 28.
Cutter. O. E. Staples. 2,530,550, Nov. 21.
Cutter and gluing apparatus, Paper strip. R. S. and F. O. Hosmer. 2,503,439, Apr. 11.
Cutter and holder, Thread. E. D. Green. 2,515,509, July 18.
Cutter and juicer, Fruit. A. Cadella. 2,531,026, Nov. 21.
Cutter and macerator, Cornstalk. J. T. Dvorak. 2,513,155, June 27.
Cutter and nipper for sewing machines, Thread. J. P. Enos. 2,508,236, May 16.
Cutter and printer, Card. W. Wockenfuss. 2,521,435, Sept. 5.
Cutter and stoner, Fruit. H. Pesch. 2,517,342, Aug. 1.
Cutter and the like, Scrap. F. K. Krag. 2,519,669, Aug. 22.
Cutter assembly, Stalk. J. T. Phillips. 2,525,719, Oct. 10.
Cutter bar for lawn mowers and the like. H. Goldberg. 2,518,136, Aug. 8.
Cutter blade lock. E. Gairing. 2,504,192, Apr. 18.
Cutter chain. L. E. Simmons. 2,511,132, June 13.
Cutter employing razor blades, Grass. C. A. Hubner. 2,520,463, Aug. 29.
Cutter for bobbin winders, Thread. R. L. Slinkard and A. B. Miller. 2,514,423, July 11.
Cutter for cutting food, Adjustable roller. C. S. Gustafson. 2,493,244, Jan. 3.
Cutter for cutting seed potatoes, Stationary and rotary. E. W. Reichart. 2,503,069, Apr. 4.
Cutter for harvester platforms, Auxiliary. R. D. Downing. 2,517,390, Aug. 1.
Cutter for mule spindles, Packing. E. E. Bradish. 2,523,859, Sept. 26.
Cutter for pantograph engraving machines. M. H. Preis and J. A. Hoffmann. 2,524,636, Oct. 3.
Cutter for removing wallpaper. A. Singer. 2,505,586, Apr. 25.

Cutter for severing roots from vegetables, Rotary. R. K. Daugherty. 2,512,921, June 27.
Cutter for shoe sole stitching machines, Channel. J. Ferrara. 2,523,948, Sept. 26.
Cutter for weft replenishing looms, Thread. H. A. Whitin. 2,494,976, Jan. 17.
Cutter head for woodworking, Rotary end thrust. W. H. Amon. 2,517,374, Aug. 1.
Cutter with rotary cutting reels, Cotton stalk. C. R. Slater. 2,529,358, Nov. 7.
Cutter with screw fed plunger for cutting vegetables, Stationary. M. Ross. 2,508,868, May 23.
Cutter with stationary knives and reciprocating plunger, Fruit and vegetable. H. V. Langley. 2,509,190, May 23.
Cutterhead assembly for clippers. H. E. Meltzer. 2,527,193, Oct. 24.
Cutterhead with constant length retaining cutters. W. G. Otto. 2,521,868, Sept. 12.
Cutters, Manufacturing. O. E. Staples. 2,530,549, Nov. 21.
Cutting accessory, Arc oxygen. F. J. Giroux. 2,524,223, Oct. 3.
Cutting and breaking sheet glass, Method of and apparatus for. J. Dallas. 2,504,655, Apr. 18.
Cutting and cleaning machine, Fish. H. L. Minaker. 2,521,241, Sept. 5.
Cutting and gauging apparatus. B. Liebowitz. 2,514,959, July 11.
Cutting and measuring device, Material. J. F. Jeckert and B. W. Kleinfeld. 2,503,051, Apr. 4.
Cutting and punching machine, Electrical. G. V. Anderson. 2,529,895, Nov. 14.
Cutting and sanding device. C. F. Lloyd-Young. 2,524,323, Oct. 3.
Cutting and stripping apparatus, Wire. K. H. Andren. 2,497,112, Feb. 14.
Cutting apparatus. E. F. Egan. 2,515,296, July 18.
Cutting apparatus, Blowpipe. A. M. Keller. 2,511,591, June 13.
Cutting apparatus, Cloth. R. E. Pugh. 2,503,353, Apr. 11.
Cutting apparatus, Floor tile. H. T. Melchor. 2,531,149, Nov. 21.
Cutting apparatus for making stepped cuts. J. J. Wiegand. 2,510,301, June 6.
Cutting apparatus for wallboards and the like. J. F. Butler. 2,529,210, Nov. 7.
Cutting, breaking, and loading mining machine, Coal. N. D. Levin. 2,520,040, Aug. 22.
Cutting device. M. B. Kassel. 2,523,575, Sept. 26.
Cutting device. D. Knowler. 2,523,767, Sept. 26.
Cutting device. C. M. McCarthy. 2,521,862, Sept. 12.
Cutting device. I. A. Miller. 2,515,377, July 18.
Cutting device, Cast. C. E. Waxlax. 2,519,520, Aug. 22.
Cutting device, Egg. G. F. Hodson and L. L. Campbell. 2,523,301, Sept. 26.
Cutting device, Glass. M. A. J. L. Gault. 2,507,779, May 16.
Cutting device, Hay. E. W. Baldwin. 2,521,323, Sept. 5.
Cutting device, Slot. J. G. Schotthoefer. 2,505,584, Apr. 25.
Cutting element and the manufacture thereof, Abrasive type. G. Davies. 2,498,982, Feb. 28.
Cutting fusible fabrics, Method and apparatus for. J. V. Atanasoff and L. H. Kaltenberger. 2,535,029, Dec. 26.
Cutting glass. R. P. Upton. 2,507,841, May 16.
Cutting machine. L. Eller. 2,519,552, Aug. 22.
Cutting machine. F. L. Howard. 2,502,043, Mar. 28.
Cutting machine. L. E. Maquat. 2,509,602, May 30.
Cutting machine. W. C. Rachels. 2,498,707, Feb. 28.
Cutting machine. A. R. Thompson. 2,519,985, Aug. 22.
Cutting machine and method, Rotary pad. R. G. Minarik. 2,525,042, Oct. 10.
Cutting machine, Asparagus. A. C. Sutton. 2,503,975, Apr. 11.
Cutting machine, Automatic profile. J. Q. Buckles, G. A. Lensky, and W. Trible. 2,535,895, Dec. 26.
Cutting machine, Automatic tube. O. H. Gitter. 2,521,004, Sept. 5.
Cutting machine, Baigle. J. M. Zeprun. 2,523,178, Sept. 19.
Cutting machine, Coal. W. V. Sheppard. 2,504,598, Apr. 18.
Cutting machine, Combination harvesting and ensilage. S. C. Heth. 2,494,388, Jan. 10.
Cutting machine, Corn. R. Cover. 2,510,558, June 6.
Cutting machine, Disk. F. B. Ward. 2,523,978, Sept. 26.
Cutting machine, Doughnut. W. C. Hanson. 2,496,468, Feb. 7.
Cutting machine, Fabric. E. M. Knabusch and E. J. Shoemaker. 2,527,739, Oct. 31.
Cutting machine, Glass. V. M. Gilstrap. 2,515,445, July 18.
Cutting machine, Meat. W. F. Spang. 2,525,004, Oct. 10.
Cutting machine, Metal. G. V. Gamallo. 2,494,994, Jan. 17.
Cutting machine, Metal. W. D. Shields. 2,501,855, Mar. 28.
Cutting machine, Potato seed. K. G. Brown. 2,535,261, Dec. 26.
Cutting machine, Regular and irregular shapes. J. T. Stone. 2,508,730, May 23.
Cutting machine, Rock. E. Swift. 2,523,601, Sept. 26.
Cutting machine, Rotary tobacco. G. Dearsley. 2,535,672, Dec. 26.
Cutting machine, Self-synchronous. R. R. Lobosco. 2,494,663, Jan. 17.
Cutting machine, Tube. O. H. Gitter. 2,521,003, Sept. 5.
Cutting machine, Twine. O. Pietsch. 2,520,286, Aug. 29.
Cutting machine, Venetian blind tape. D. B. Brownlow and J. J. Markoski. 2,530,420, Nov. 21.
Cutting mechanism for knitting machines. J. H. Schaefer, Jr. 2,498,096, Feb. 21.
Cutting mechanism release for mowers. S. E. Hilblom. 2,504,686, Apr. 18.
Cutting mechanism, Rotary. C. S. Crafts. 2,499,570, Mar. 7.
Cutting metal bodies, Thermochemically. J. H. Bucknam and R. S. Babcock. 2,510,210, June 6.
Cutting of metals, Method of and apparatus for high-speed, high-pressure oxygen. R. S. Babcock. 2,521,199, Sept. 5.
Cutting or cleaving of slabs. A. R. Lundquist. 2,510,705, June 6.
Cutter or disintegrator for seeds, grains, or the like. J. M. Marty. 2,511,357, June 13.
Cutting or punching sheet material, Method and apparatus for. H. H. Mohaupt. Re. 23,211, Mar. 21.
Cutting or trimming thermoplastic materials. J. W. Dalgleish. 2,510,383, June 6.
Cutting plate of dry-shaving apparatus. W. L. L. Vivie. 2,533,979, Dec. 12.
Cutting, punching, blanking, and the like. J. Asmussen. 2,522,154, Sept. 12.
Cutting rounded glass blanks. D. Echter and E. B. Paul. 2,508,017, May 16.
Cutting section for chain saws. G. O. Geurian. 2,534,591, Dec. 19.
Cutting tool. O. R. Briney, Jr. 2,524,374, Oct. 3.
Cutting tool. W. M. Bura. 2,502,922, Apr. 4.
Cutting tool. C. D. Chandler. 2,534,230, Dec. 19.
Cutting tool. F. W. Chatlos. 2,517,840, Aug. 8.
Cutting tool. H. G. Dulli. 2,534,759, Dec. 19.
Cutting tool. L. Eller. 2,497,400, Feb. 14.
Cutting tool. G. W. Murphy and S. I. Kelley. 2,502,582, Apr. 4.
Cutting tool. H. M. Sheridan. 2,501,293, Mar. 21.
Cutting tool. G. Wood. 2,527,978, Oct. 31.
Cutting torch holder. L. K. Bullman and S. Underwood. 2,514,741, July 15.
Cutting woven plastic to form a displaced edge. R. P. Evans and E. H. Miller, Jr. 2,519,330, Aug. 15.
Cyan color formers capable of yielding fine grain images. W. C. Craig. 2,530,349, Nov. 14.
Cyan component for diazotype color process. S. C. Slifkin and T. J. Trojnar. 2,494,906, Jan. 17.
Cyanine dye intermediates containing an aryloxy-, aryl-thio- or arylselenoalkyl-p- toluenesulfonate group attached to the nitrogen atom thereof. A. W. Anish. 2,496,842, Feb. 7.
Cyanine dye intermediates, Preparing. E. B. Knott. 2,500,128, Mar. 7.
Cyanine dyes. J. C. Firestine. 2,521,705, Sept. 12.
Cyanine dyes containing a sulfohydrocarbon radical. R. H. Sprague. 2,503,776, Apr. 11.
Cyanine dyes containing a 3,4-dihydroisoquinoline nucleus. L. G. S. Brooker and R. H. Sprague. 2,525,520, Oct. 10.
Cyanine dyestuff intermediates. J. D. Kendall and F. P. Doyle. 2,533,816, Dec. 12.
Cyanine dyestuffs. J. D. Kendall and F. P. Doyle. 2,518,476, Aug. 15.
Cyanine dyestuffs. J. D. Kendall, H. W. Wood, and J. R. Majer. 2,527,259, Oct. 24.
Cyanine dyestuffs and intermediates containing aldehyde. J. D. Kendall and F. P. Doyle. 2,534,913, Dec. 19.
Cyano acetamino color couplers. I. F. Salminen and A. Weissberger. 2,507,180, May 9.
Cyanoacetylhydrazones as photographic color couplers. P. J. M. Bruylants and P. L. J. R. Merckx. 2,527,476, Oct. 24.
Cyanoalkylamino derivatives of acridine and their production. A. A. Goldberg and W. Kelly. 2,493,578, Jan. 3.
Cyanoalkyl phosphates and preparation. J. T. Cassaday, E. I. Hoegberg and B. D. Gleissner. 2,494,284, Jan. 10.
Cyano-butadiene copolymers. A. M. Clifford and J. R. Long. 2,508,226, May 16.
Cyanomelamines and the preparation thereof. D. W. Kaiser and B. C. Redmon. 2,510,981, June 13.
Cyanuric acid, Production of. J. S. Mackay. 2,527,316, Oct. 24.
Cyclammonium quaternary salts containing a n-substituted b-aminovinyl group, Preparing. E. B. Knott. 2,500,127, Mar. 7.
Cycle chain adjuster. F. W. Graff. 2,519,901, Aug. 22.
Cycle controlling apparatus. C. C. McCain. 2,507,315, May 9.
Cycle frame. V. Simon. 2,493,037, Jan. 3.
Cycle system, Reversible. G. E. Clancy. 2,530,681, Nov. 21.
Cyclic acetals, Production of. J. H. McAteer. 2,509,874, May 30.

Cyclic-alkyl isothiuronium halides. L. W. Clemence and M. T. Leffler. 2,510,739, June 6.
Cyclic amines and making them. G. J. Van Zoeren. 2,520,516, Aug. 29.
Cyclic combustion gas generator. H. Bohuslav. 2,529,325, Nov. 7.
Cyclic compounds and making. F. B. Stilmar, W. S. Struve, and R. N. Lulek. 2,503,078, Apr. 4.
Cyclic derivatives of thiophene, Preparing fused. J. A. Patterson and C. H. Culnane. 2,509,938, May 30.
Cyclic ether peroxide catalysts in the polymerization of conjugated diolefins. H. M. Guinot. 2,496,390, Feb. 7.
Cyclic 1,2-ketols having 10 to 18 carbon atoms in ring, Preparation of. M. Stoll. 2,529,825, Nov. 14.
Cyclic sulfone amines. R. C. Morris and A. V. Snider. 2,530,070, Nov. 14.
Cyclic thioethers, Preparation of. S. A. Ballard and R. C. Morris. 2,508,005, May 16.
Cycloalkadiene from petroleum oils, Producing. C. E. Morrell, H. W. Scheeline, C. S. Carlson, and H. J. Heineman, Jr. 2,511,936, June 20.
Cycloalkenyl halogenated hydroxycinnamic acids. E. Schwenk and D. Papa. 2,529,518, Nov. 14.
Cycloalkylperhydroindan hydrocarbons, Production of. V. N. Ipatieff and H. Pines. 2,514,546, July 11.
Cyclohexane production. W. E. Ross and P. Pezzaglia. 2,505,792, May 2.
Cyclohexanols, Production of. R. B. Greene. 2,504,517, Apr. 18.
Cyclohexenes disubstituted in the 4-position by cyano or carbamyl groups. A. E. Ardis. 2,510,491, June 6.
Cyclohexyl ethers of cyclic sulfones. R. C. Morris and J. L. Van Winkle. 2,504,099, Apr. 18.
Cycloimidine derivatives and preparing them. H. S. Mannheimer. 2,528,379–80, Oct. 31.
Cyclone dust separator. G. W. Elverum. 2,523,614, Sept. 26.
Cyclone separator. M. G. Driessen. 2,534,702, Dec. 19.
Cyclooctadienes and their preparation. R. E. Foster. 2,504,016, Apr. 11.
Cyclopentanopolyhydrophenanthrenes and making same. T. Reichstein. 2,503,842, Apr. 11.
Cyclopentene, Production of. G. C. Ray. 2,530,727, Nov. 21.
Cyclopentyl-isobutyl-acetic acid. R. B. Moffett and C. A. Hart. 2,535,085, Dec. 26.
Cyclopentyl-(2-methylallyl)-acetic acid. R. B. Moffett and C. A. Hart. 2,535,086, Dec. 26.
Cyclopropane, Production of. L. H. Sommer. 2,496,419, Feb. 7.
Cyclo-trimethylenetrinitramine. F. G. Willson, A. Forster, and E. Roberts. 2,525,252, Oct. 10.
Cylinder, Air. W. F. Schroeder. 2,495,869, Jan. 31.
Cylinder and concave means for shelling peanuts. F. Funderburk. 2,493,533, Jan. 3.
Cylinder and piston arrangement for internal-combustion engines. D. Valbuena Casado. 2,514,016, July 4.
Cylinder assembly. W. T. Stephens. 2,533,531, Dec. 12.
Cylinder balancing apparatus, Washing machine. L. M. Kahn. 2,534,267, Dec. 19.
Cylinder balancing apparatus, Washing machine. L. M. Kahn and E. Ellner. 2,534,268, Dec. 19.
Cylinder, Compound hydraulic master. A. E. Roy. 2,518,821, Aug. 15.
Cylinder, Compound master. A. Y. Dodge. 2,507,663, May 16.
Cylinder, Compound master. E. Knauss. 2,508,403, May 23.
Cylinder construction. T. E. Huhtala. 2,518,787, Aug. 15.
Cylinder construction, Hydraulic. F. B. Hunter. 2,893,875, Jan. 10.
Cylinder construction, Master and receiver. H. B. Schultz. 2,531,705, Nov. 28.
Cylinder controlling mechanism. J. Wawzonek. 2,493,905, Jan. 10.
Cylinder door band lock. F. Vetorino. 2,529,643, Nov. 14.
Cylinder, Engine. R. B. Kleinfeld. 2,513,492, July 4.
Cylinder etching and machine therefor. C. L. Henderson. 2,523,018, Sept. 19.
Cylinder etching machine. C. L. Henderson. 2,523,019, Sept. 19.
Cylinder, Extrusion machine. E. S. Greene. 2,522,365, Sept. 12.
Cylinder, Fluid pressure operated master. H. J. Butler. 2,499,845, Mar. 6.
Cylinder for hydraulic brakes, Master. C. R. Bacca. 2,526,720, Oct. 24.
Cylinder for locomotive reversing gear, Hydraulic locking. J. Hadfield. 2,523,696, Sept .26.
Cylinder head. R. H. Sheppard. 2,510,484, June 6.
Cylinder head and jacket construction, Water cooling. W. H. Worthington. 2,495,401, Jan. 24.
Cylinder head assembly. W. M. Carraway. 2,519,110, Aug. 15.
Cylinder head construction for water-cooled engines. F. A. Lee. 2,507,722, May 16.
Cylinder head structure for internal-combustion engines. W. V. Falcon. 2,533,442, Dec. 12.
Cylinder, Hydraulic brake master. N. E. Wahlberg. 2,501,108, Mar. 21.
Cylinder, Knitting machine. P. L. St. Pierre. 2,522,972, Sept. 19.
Cylinder lock. L. W. Young and J. W. Taylor. 2,524,339, Oct. 3.
Cylinder lock operating connection. E. N. Jacobi. 2,530,469, Nov. 21.
Cylinder machine. P. H. Goldsmith. 2,509,296, May 30.
Cylinder, Master. C. C. Bradbury. 2,526,457, Oct. 17.
Cylinder, Master. L. E. La Brie. 2,527,886, Oct. 31.
Cylinder, Master. H. W. Trevaskis. 2,525,740, Oct. 10.
Cylinder, Master. R. H. Vogel. 2,500,502, Mar. 14.
Cylinder of telescopic construction, Master. E. F. Loweke. 2,533,824, Dec. 12.
Cylinder-piston assembly, Differential. J. A. Thierry. 2,511,883, June 20.
Cylinder press embossing and producing the same. H. P. Otto. 2,533,834, Dec. 12.
Cylinder ridge reamer. H. R. Billeter. 2,520,829, Aug. 29.
Cylinder surface, Relieved and filled. H. M. Bramberry. 2,534,408, Dec. 19.
Cylinder, Wheel. P. S. Baldwin. 2,496,260, Feb. 7.
Cylinder with auxiliary cylinder and floating piston, Master. C. R. Bacca. 2,526,721, Oct. 24.
Cymbal holder for drums. J. M. D'Arcy. 2,524,518, Oct. 3.
D-(α)-penicilloates. O. Wintersteiner. 2,506,696, May 9.
DDT, Blending. H. A. Weldon. 2,529,466, Nov. 7.
DDT compositions containing an absorbent inert, Fused. A. L. Flenner. 2,529,681, Nov. 14.
DDT insecticide dust and making same. A. L. Flenner. 2,506,635, May 9.
DDT, Manufacture of. R. S. Park. 2,503,452, Apr. 11.
DDT paste, Aqueous. I. F. Walker. 2,519,088, Aug. 15.
DDT powder containing carbon black, Noncaking. W. V. Freed. 2,526,648, Oct. 24.
DDT, Production of. W. H. C. Rueggeberg and W. A. Cook. 2,500,961, Mar. 21.
DDT suspension. H. C. Wohlers and T. C. Davis. 2,521,318, Sept. 5.
Dado gauge. L. J. Basso. 2,526,626, Oct. 24.
Dagger for stabbing and opening oysters, etc., Collapsible. L. A. Crowl and L. F. Gast. 2,516,618, July 25.
Damped bearing support. P. J. Campbell. 2,515,861, July 18.
Damped shock excited variable width pulse gate generator. J. E. Shepherd and R. F. Mozley. 2,495,780, Jan. 31.
Dampener. G. E. Adams. 2,497,252, Feb. 14.
Dampener for laundry machines, Vibration. W. J. Russell and O. M. Anderson. 2,510,836, June 6.
Dampener for pressure gauges, Pulsation. F. M. Stephens. 2,518,832, Aug. 15.
Dampener for servos, Flywheel. E. D. Lilja. 2,527,830, Oct. 31.
Dampener, High-temperature liquid pulsation. C. F. Yates and C. B. Nolte. 2,501,804, Mar. 28.
Dampener, Rotary. A. S. Irwin. 2,502,523, Apr. 4.
Damper action for tuning fork pianos. D. Sebouh. 2,532,039, Nov. 28.
Damper and heating unit. B. S. Kagan. 2,516,702, July 25.
Damper and pipe control, Thermostat. J. Reil. 2,496,410, Feb. 7.
Damper, Centrifugal pendulum vibration. G. F. Sarazin. 2,535,958, Dec. 26.
Damper, Combination linear and rotary vibration. B. E. O'Connor. 2,514,140, July 4.
Damper control, Spring return. B. Ratazak. 2,496,409, Feb. 7.
Damper, Crankshaft. B. E. O'Connor. 2,514,136, July 4.
Damper, Crankshaft torsional vibration. G. L. Williams. 2,496,836, Feb. 7.
Damper, Draft limiting. E. A. Field, Jr. 2,514,446, July 11.
Damper for convector heaters, Detachable. F. M. Young. 2,516,358, July 25.
Damper for gyroscopes, Nutation. F. R. Fowler. 2,534,963, Dec. 19.
Damper for hearing aids. W. A. Schwalm. 2,529,228, Nov. 7.
Damper for hydraulic systems, Surge. J. Johnson. 2,501,773, Mar. 28.
Damper for overhead cables, Vibration. L. Rostoker. 2,494,358, Jan. 10.
Damper for wire-drawing machines, Vibration. A. J. Stella. 2,521,879, Sept. 12.
Damper, Gyro dynamic. A. R. Hoffmann and W. J. Crump. 2,519,762, Aug. 22.
Damper, Hydraulic. W. M. Backus, Jr., and C. W. Jarvis. 2,532,656, Dec. 5.
Damper, Hydraulic surge. W. Byrd, Jr., and W. Annis. 2,495,693, Jan. 31.
Damper latch. G. E. Lauer. 2,535,639, Dec. 26.
Damper mechanism for conserving heat in furnaces, Draft controlling stack. T. J. Mackay. 2,508,885, May 23.
Damper preventing heat emanation from abnormal positioned heaters, Safety. G. J. Moeller. 2,534,556, Dec. 19.
Damper structure, Viscous rotary. B. E. O'Connor. 2,514,137, July 4.
Damper to control gas flow. C. S. Simpelaar. 2,505,996, May 2.
Damper, Torsional vibration. B. E. O'Connor. 2,514,139, July 4.
Damper, Vibration. J. A. Hardy. 2,526,744, Oct. 24.
Damper, Vibration. B. E. O'Connor. 2,514,138, July 4.
Damper, Water-cooled refractory. W. E. Schmidt. 2,494,634, Jan. 17.

Damper with friction holding means for fireplaces, Adjustable. A. J. Miller. 2,514,583, July 11.
Damper with latching means, Flue. A. P. Terry. 2,497,425, Feb. 14.
Damping device, Aircraft rotor. H. S. Campbell. 2,494,985, Jan. 17.
Damping device for galvanometers and the like. R. V. Cress. 2,526,006, Oct. 17.
Damping device, Motion. E. H. Piron. 2,516,072, July 18.
Damping means. C. M. Skinner, Jr. 2,507,227, May 9.
Damping means for gyroscopic instruments, Nutation. E. B. Hammond, Jr. 2,520,929, Sept. 5.
Darning apparatus, Electric. G. E. Bombonato. 2,517,627. Aug. 8.
Darning device. M. D. Baumgart. 2,530,040, Nov. 14.
Dart. R. S. Terry. 2,504,757, Apr. 18.
Dart, Casting. R. M. McElroy. 2,499,029. Feb. 28.
Data distribution device. W. D. Ward. 2,518,103, Aug. 8.
Data entering mechanism for card controlled accounting machines. J. Mueller. 2,516,014, July 18.
Data transformation system. D. H. Gridley. 2,533,242, Dec. 12.
Data translation device for flight simulation. D. H. Ewing. 2,532,158, Nov. 28.
Davit. C. W. Dohn. 2,527,060, Oct. 24.
Deaerating liquids. C. H. Goodwin. 2,509,267, May 30.
Deaerator. J. B. Bidwell and A. F. Underwood. 2,494,427, Jan. 10.
Deaerator and corrosion control equipment. P. H. Williams. 2,518,845, Aug. 15.
Dealkylating alkoxy aromatic amines. C. G. Vogt and F. Marschall. 2,497,248, Feb. 14.
Dealkylation of alkylphenols. D. B. Luten, Jr., and G. M. Good. 2,514,960, July 11.
Dealkylation of alkyl pyridines. P. M. Arnold. 2,504,172, Apr. 18.
Deasphalting and dewaxing hydrocarbon mixtures. H. C. Myers. 2,511,478, June 13.
Deasphalting petroleum oils with porous contact material. R. J. Furnoy. 2,521,357, Sept. 5.
Debooster. C. Hollerith. 2,529,731, Nov. 14.
Debromination of polybromopyridine. H. F. Brust. 2,502,125, Mar. 28.
Deburring tool. G. Sochia. 2,493,039, Jan. 3.
Decarboxylating rosin, Continuous process for. J. Lienhart. 2,517,690, Aug. 8.
Decarboxylation inhibitor. J. M. Beiler and G. J. Martin. 2,511,319, June 13.
Decarburization of steel. G. V. Slottman. 2,502,284, Mar. 28.
Decating fabrics. W. N. Hadley. 2,498,416, Feb. 21.
Decating machine. G. Haeberlin. 2,494,807, Jan. 17.
Decating machine and method. G. Haeberlin. 2,494,808, Jan. 17.
Deceleration apparatus. C. T. G. Looney, L. G. Howell, and B. G. Johnston. 2,498,045, Feb. 21.
Deceleration brake control. A. R. Williams. 2,529,985, Nov. 14.
Decelerator for catapult pistons. J. E. Scholl. 2,502,487, Apr. 4.
Decelerometer. D. E. Hudson and F. C. Lindvall. 2,521,918, Sept. 12.
Decelerometer, Recording. A. N. Milster. 2,499,667, Mar. 7.
Decimal accumulator for direct entry of combination code amounts. H. P. Luhn. 2,521,382, Sept. 5.
Deck-access box. A. J. Quinn. 2,515,837, July 18.
Deck structure, Ship. R. H. Wiley. 2,503,603, Apr. 11.
Decoder. F. H. Wells. 2,534,746, Dec. 19.
Decoder for pulse code modulation. A. J. Rack. 2,514,671, July 11.
Decoder for pulse code modulation. R. L. Carbrey. 2,505,029, Apr. 25.
Decoding and testing device, Projection key. E. O'Brien. 2,510,998, June 13.
Decolorization of melamine. J. S. Mackay and W. P. Lawler. 2,524,019. Sept. 26.
Decolorizing agent, Producing a very active. F. L. P. Krizkovsky and A. Huneman. 2,527,099, Oct. 24.
Decolorizing organic substances. A. P. Lien, B. L. Evering, and B. H. Shoemaker. 2,495,852, Jan. 31.
Decontaminator for petroleum fluids. C. S. Taylor. 2,525,154, Oct. 10.
Decorating machine. B. W. Freeman. 2,528,302, Oct. 31.
Decorating machine, Potteryware. W. H. Emerson. 2,493,953, Jan. 10.
Decorating process, Glass. R. Galbraith and O. A. Short. 2,512,929, June 27.
Decorating, Textile. S. Lee. 2,504,136, Apr. 18.
Decorating the edges of dishes, Method and apparatus for. J. H. Keller. 2,522,121, Sept. 12.
Decorative candle support, J. R. Walker. 2,508,933, May 23.
Decorative device, Animated. J. D. Webber. 2,498,467, Feb. 21.
Decorative device for bicycle handle bars. S. H. Burger. 2,508,812, May 23.
Decorative extruded material, Making. F. Weinberg. 2,528,200, Oct. 31.
Decorator and finishing machine, Cake. C. R. Lindquist. 2,503,673, Apr. 11.
Decoy, Aquatic. J. H. Olsen. 2,522,295, Sept. 12.
Decoy attaching bracket. B. R. Ernst. 2,525,120, Oct. 10.
Decoy, Goose. W. Miller and E. W. Biermann. 2,535,445, Dec. 26.
Decoy, Hunter's. R. D. Heymann. 2,495,720–1, Jan. 31.
Decoy, Pulp. A. H. Risch. 2,494,631, Jan. 17.
Deethanizing rich oil. H. M. Nelly, Jr. 2,498,177, Feb. 21.
Defatting and dehydrating of fatty substances, Simultaneous. E. M. Worsham and E. Levin. 2,503,312, Apr. 11.
Defeathering method, Poultry. C. F. Hunt. 2,523,302, Sept. 26.
Deflecting and focusing device for cathode-ray apparatus. H. C. Holden. 2,501,516, Mar. 21.
Deflecting and focusing means for X-rays. L. K. Frevel. 2,497,543, Feb. 14.
Deflecting system for cathode-ray tubes, Magnetic. C. N. Smyth. 2,505,011, Apr. 25.
Deflection arrangement for oscillographs. R. F. Cleaver. 2,502,428, Apr. 4.
Deflection circuit. L. W. Parker. 2,521,741, Sept. 12.
Deflection equalizing means for shearing combs. E. S. Bartlett. 2,532,476, Dec. 5.
Deflection limiter. R. B. Dome. 2,510,623, June 6.
Deflection of electron beams. A. W. Friend. 2,523,108, Sept. 19.
Deflection scope. P. D. Hess. 2,527,550, Oct. 31.
Deflection system, Cathode-ray tube. C. E. Torsch. 2,510,027, May 30.
Deflection wave generator. C. L. Thorne. 2,493,044, Jan. 3.
Deflector, Air. B. R. Reed. 2,494,057, Jan. 10.
Deflector, Automobile bug. J. S. Kish. 2,510,604, July 18.
Deflector, Cathode-ray beam. C. E. Torsch. 2,494,459, Jan. 10.
Deflector, Diverter valve. S. K. Baker. 2,522,249, Sept. 12.
Deflector for refrigerator drip pans. R. B. Winship. 2,510,005, May 30.
Deflector for vehicle ventilating windows, Rain. M. A. Kent. 2,500,991, Mar. 21.
Deflector, Retractable spray. B. W. Powers. 2,513,585. July 4.
Deflector type gas burner. J. R. and D. G. Pattinson. 2,497,321, Feb. 14.
Defluorinating phosphate rock. T. N. Hubbuch and T. P. Hignett. 2,499,385, Mar. 7.
Defluorinating phosphatic material. E. J. Maust. 2,531,068, Nov. 21.
Defluorination of phosphate rock. C. A. Hollingsworth. 2,531,046, Nov. 21.
Defluorination of phosphate rock. E. J. Maust. 2,499,767, Mar. 7.
Defreezer, Radiator. D. W. Seifert. 2,503,514, Apr. 11.
Defroster. J. R. Thorp. 2,519,514, Aug. 22.
Defroster and wipers combined, Electric windshield. R. R. Schoon. 2,500,010, Mar. 7.
Defroster, Freezing unit. W. W. Cowgill. 2,515,294, July 18.
Defroster, Steam food. D. F. Troupe. 2,500,219, Mar. 14.
Defrosting apparatus for evaporators. R. W. Kritzer. 2,524,568, Oct. 3.
Defrosting arrangement for refrigerating systems. B. D. Maseritz. 2,526,379, Oct. 17.
Defrosting device, Refrigerator. C. B. Shreve. 2,513,823, July 4.
Defrosting equipment for refrigerator systems. W. L. McGrath. 2,527,368, Oct. 24.
Defrosting mechanism, Refrigerator. C. B. Shreve. 2,522,199, Sept. 12.
Defrosting method and apparatus for refrigeration systems. L. F. La Porte. 2,526,032, Oct. 17.
Defrosting system. H. H. Curry. 2,492,970, Jan. 3.
Defrosting system. W. L. Morrison. 2,524,465, Oct. 3.
Defrosting system. H. P. Peterson. 2,505,201, Apr. 25.
Defrosting system for refrigerating apparatus. O. J. Nussbaum. 2,530,440, Nov. 21.
Defrosting system for refrigerating apparatus. D. B. Smith. 2,500,298, Mar. 14.
Defrosting system for refrigerators. P. Kollsman. 2,534,031, Dec. 12.
Defrosting system in refrigerated locker. R. E. Lehmann. 2,529,734, Nov. 14.
Defrosting system, Low-temperature. R. E. Pabst. 2,525,560, Oct. 10.
Defrosting system, Refrigerator. P. Kollsman. 2,534,032. Dec. 12.
Degasifier. R. A. Whitlock, Jr., and J. E. Dymond. 2,522,005, Sept. 12.
Degreaser control apparatus. J. F. Black and J. J. Skelly. 2,510,859, June 6.
Degreasing apparatus with automatic controls. J. F. Black. 2,527,349. Oct. 24.
Degreasing composition, Metal. A. W. Larchar. 2,517,894, Aug. 8.
Degree level. E. J. Rantz. 2,527,961, Oct. 31.
Degumming and bleaching ramie. S. J. F. Jensen. 2,530,244, Nov. 14.
Dehairing machine. W. Gilbert. 2,531,209. Nov. 21.
Dehairing machine, Animal carcass. H. A. Ittel. 2,517,880, Aug. 8.
Dehairing machine, Hog. C. K. Le Fiell. 2,511,116, June 13.

Dehairing of hides. R. A. Whitmore. 2,523,486, Sept. 26.
Dehalogenation process. R. Kapp and R. Griffith. 2,506,457, May 2.
Dehorner. W. I. Coull. 2,516,959, Aug. 1.
Dehumidifier. F. Ryan. 2,527,854, Oct. 31.
Dehumidifier. H. P. Weierman. 2,495,619, Jan. 24.
Dehumidifier for compartments, Air. S. R. Barr. 2,511,666. June 13.
Dehumidifier for vending machines. P. L. Sommer. 2,531,084, Nov. 21.
Dehumidifier, Package. W. W. Kemp and H. M. Hanson. 2,501,280, Mar. 21.
Dehumidifying apparatus. W. L. McGrath. 2,517,499, Aug. 1.
Dehumidifying device. H. A. Lockwood. 2,507,028, May 9.
Dehydrating and cooling system, Centrifugal. A. Bramley. 2,511,691, June 13.
Dehydrating and preserving by application of a vacuum. V. M. David. 2,512,897, June 27.
Dehydrating apparatus. D. B. Vincent. 2,518,582, Aug. 15.
Dehydrating materials under low-pressure conditions. K. C. D. Hickman. 2,507,632, May 16.
Dehydrating meat, Partly. S. Zimmermann. 2,502,115, Mar. 28.
Dehydrating peas. E. W. Flosdorf. 2,493,062, Jan. 3.
Dehydration, Continuous low-temperature. H. L. Smith, Jr. 2,515,098, July 11.
Dehydration, Method and apparatus for. R. B. Roos and S. L. Galvin. 2,528,476, Oct. 31.
Dehydration of alkali-metal acid fluorides. R. C. McHarness and A. F. Benning. 2,527,320, Oct. 24.
Dehydration of food products. C. Birdseye. 2,523,552, Sept. 26.
Dehydration of liquids. H. S. Kaiser. 2,525,224, Oct. 10.
Dehydration of refrigeration systems M. G. Shoemaker. 2,509,787, May 30.
Dehydration of sodium sulfide. J. P. Copes and C. McKinley. 2,533,163, Dec. 5.
Dehydration system, Gas. I. H. Clement. 2,494,644, Jan. 17.
Dehydrator plug. H. A. Lockwood. 2,511,726, June 13.
Dehydrochlorinated material, Vulcanized. S. J. Cohen and W. E. Scheer. 2,500,152, Mar. 14.
Dehydrochlorination of alpha-chlorisobutyrates. M. B. Mueller and E. J. Prill. 2,527,645, Oct. 31.
Dehydrogenation of alcohols with surfur. A. W. Horton. 2,522,676, Sept. 19.
Dehydrogenation of alkyl aromatic compounds. J. E. Nickels. 2,495,278, Jan. 24.
Dehydrogenation of hydrocarbons, Process and catalyst for. A. B. C. Dague and J. W. Myers. 2,500,920, Mar. 21.
Dehydrogenation of organic compounds. A. W. C. Taylor, H. N. Rose, and T. Alderson. 2,503,641, Apr. 11.
Dehydrogenation of polychloroethanes by means of carbon tetrachloride. O. W. Cass. 2,525,589, Oct. 10.
Dehydroxylation of caster oil, Continuous process for the. S. B. Radlove. 2,515,797, July 18.
Deicing apparatus, Windshield. E. T. Duncan. 2,533,000, Dec. 5.
Deicing attachment for motor vehicles. P. T. Giguere. 2,515,341, July 18.
Deicing device for roofs. F. W. Miller. 2,507,039, May 9.
Deicing or antiicing means, Fan. E. P. Palmatier. 2,499,831, Mar. 7.
Deicing system for aircraft. E. P. Palmatier. 2,507,044, May 9.
Deicing system for aircraft propellers. E. P. Palmatier. 2,529,102, Nov. 7.
Deicing system for aircraft surfaces. E. P. Palmatier. 2,503,451, Apr. 11.
Deicing system, Spinner. E. P. Palmatier. 2,529,103, Nov. 7.
Deicer, Windshield. P. R. Carlson. 2,526,327, Oct. 17.
Deinking waste paper. F. L. Fennell. 2,525,594, Oct. 10.
Deionizing agents for alkaline pH solutions, Germicidally active. F. C. Bersworth. 2,524,219, Oct. 3.
Delabeling apparatus, Bottle. W. D. Kimball, J. F. Currivan and J. H. Mosley. 2,516,998, Aug. 1.
Delay action blasting cap. J. Loret. 2,506,157, May 2.
Delay means. D. L. Arenberg. 2,512,130, June 20.
Delay means. A. D. Hoffmann. 2,512,156, June 20.
Delay system for supersonic inspection. B. Carlin. 2,525,861, Oct. 17.
Delayed action coagulant. D. S. Sears. 2,529,885, Nov. 14.
Delayed-action switch. T. J. Mudon. 2,505,985, May 2.
Deleading of gasoline. M. S. Kharasch. 2,504,134, Oct. 18.
Delivering an object to a moving vehicle. G. G. Glenn. 2,499,741, Mar. 7.
Delivering split rings in a predetermined angular position. A. J. Woolcott. 2,509,622, May 30.
Delivery apparatus, Fruit. F. Rottler. 2,521,998, Sept. 12.
Delivery arrangement. J. L. Blackley. 2,503,610, Apr. 11.
Delivery control for fuel injector pumps. G. W. Baierlein. 2,502,552, Apr. 4.
Delivery device, Train order. R. A. Mott. 2,529,096, Nov. 7.
Delivery means for dry printing machines, Front and rear. F. O. Trump. 2,499,840, Mar. 7.
Delivery mechanism for bottle-washing machines. F. H. Fruhling. 2,533,784, Dec. 12.
Delivery system. S. L. Fitzpatrick. 2,520,239, Aug. 29.
Delivery vehicle. H. J. Stieger. 2,527,774, Oct. 31.
Delta-(5-carboxy-2-thienyl)-valeric acid and esters. H. R. Rosenberg and C. W. Croco. 2,502,344, Mar. 28.
Δ^{5},6-3-hydroxysteroid and derivatives thereof. T. Reichstein. 2,520,656, Aug. 29.
$\Delta^{4,5}$-3,11-diketo-17,20-dihydroxy-pregnanes and process. L. H. Sarett. 2,508,471, May 23.
$\Delta^{4,5}$-3,11-diketo-20,21-dioxy-pregnenes and process. L. H. Sarett. 2,510,940, June 13.
Demagnetization of electromagnetic recording heads. W. F. Lootens. 2,531,141, Nov. 21.
Demagnetizing apparatus for magnetic recorders. S. J. Begun. 2,535,481, Dec. 26.
Demagnetizing device. H. A. Howell. 2,526,358, Oct. 17.
Demagnetizing high coercive force materials. H. A. Howell. 2,498,423, Feb. 21.
Demineralization, Household. J. A. Murray. 2,500,134, Mar. 7.
Demodulation apparatus for pulse multiplex pulse time modulated signals. A. M. Skellett. 2,533,405, Dec. 12.
Demodulator and channel separator system. A. Lesti. 2,498,688, Feb. 28.
Demodulator, Frequency-modulation. G. Mak. 2,520,419, Aug. 29.
Demodulator, Full-wave, phase-sensitive. R. C. Goertz. 2,524,051, Oct. 3.
Demodulator, Multiplex pulse time. E. M. Deloraine and J. L. Fearing. 2,513,291, July 4.
Demodulator, Pulse-time. H. Goldberg. 2,500,536, Mar. 14.
Demodulator system. E. Labin and D. D. Grieg. 2,513,335. July 4.
Demonstrating device for spark plugs. G. F. Wetzel. 2,494,788, Jan. 17.
Demonstrating device, Optical. A. Shapiro. 2,529,107, Nov. 7.
Demonstration device. S. C. Fay. 2,498,406, Feb. 21.
Demonstration device and package. W. H. Sands. 2,495,200, Jan. 17.
Demonstrator, Shock resistance. H. D. Hooker. 2,532,167, Nov. 28.
Demother, Suction cleaner. J. P. Hunter and A. P. Cawl. 2,529,158, Nov. 7.
Demothing device. J. Melcher and A. E. Dixon. 2,510,126, June 6.
Demountable cold box. W. L. Morrison. 2,507,379, May 9.
Demountable vacuum tube. V. Scherrer. 2,506,687, May 9.
Demountable wheel. E. K. Sheaffer. 2,524,482, Oct. 3.
Demulsification of water-nitroxylene emulsion. A. E. Martin. 2,499,927, Mar. 7.
Demultiplexer for teletype signals, Time division. W. C. Norris, L. R. Steinhardt, and F. L. Ribe. 2,520,953, Sept. 5.
Densifier. N. L. Davis. 2,521,347, Sept. 5.
Densifying of carbon black. R. W. Skoog and W. F. Seeger. 2,502,106, Mar. 28.
Densifying of concrete masses containing material having different particle sizes by means of vibration, The. S. Giertz-Hedström. 2,507,302, May 9.
Dental apparatus. H. Spiro. 2,529,429, Nov. 7.
Dental apparatus for use in making dentures. N. Opotow. 2,507,118, May 9.
Dental appliance. H. Freedman. 2,522,261, Sept. 12.
Dental appliance. C. W. Wiprud. 2,535,005, Dec. 19.
Dental articulator. B. Lyons. 2,535,146, Dec. 26.
Dental capsule filler for use by the dental profession, Universal. J. M. Shoemaker, Sr. 2,534,630, Dec. 19.
Dental floss holder. J. M. Atols. 2,516,539, July 25.
Dental floss holder. C. L. Thomas. 2,510,194, June 6.
Dental hand piece. M. Staunt. 2,529,824, Nov. 14.
Dental impression material. L. T. Parr and S. B. Rabishaw. 2,499,676, Mar. 7.
Dental impression material. L. T. Parr and S. B. Rabishaw. 2,526,042–3, Oct. 17.
Dental mouth prop. M. E. Stone. 2,528,458, Oct. 31.
Dental stimulator. R. M. Stracham. 2,527,857, Oct. 31.
Dental surveyor. E. C. Harris. 2,528,053, Oct. 31.
Dental X-ray film package. A. S. Resler. 2,502,993, Apr. 4.
Dentifrice. A. A. Klippert. 2,519,665, Aug. 22.
Dentifrice composition. G. P. Butterfield. 2,526,614, Oct. 17.
Dentifrices, Chewing. K. K. Kearby. 2,525,072, Oct. 10.
Denture, Artificial. G. A. Wiechert. 2,528,629, Nov. 7.
Dentures, compositions, and methods. H. V. Joy. 2,532,502, Dec. 5.
Dentures, Making artificial. E. E. Warren. 2,520,265, Aug. 29.
Deodorant and anti-perspirant, Zirconium compound. H. L. Van Mater. 2,498,514, Feb. 21.
Deodorizer. D. P. Gosheff. 2,503,331, Apr. 11.
Deodorizing device. C. Donovan. 2,504,309, Apr. 18.
Deodorizing device for pipes. R. J. Valentine. 2,502,292, Mar. 28.
Deodorizing refined petroleum oils and waxes. E. C. Daigle. 2,498,201, Feb. 21.

Deoxidizer alloy for molten metal baths consisting predominantly of copper. H. S. Cooper. 2,503,377, Apr. 11.
Deoxidizing iron and steel. J. C. Vignos. 2,496,074, Jan. 31.
Deoxygenation of hydrocarbons. W. N. Axe. 2,523,549, Sept. 26.
Depilling machine, Flock. H. M. Ratley and A. C. Lind. 2,503,633, Apr. 11.
Depolymerizing polymers of 1,1-dicyano ethylene. A. E. Ardis and H. Gilbert. 2,535,827, Dec. 26.
Depositing films of metal on a series of plates or sheets. P. A. Sporing and C. P. Johnson. 2,515,358, July 18.
Deposition of materials by sedimentation. A. G. Mitchell. 2,528,384, Oct. 31.
Depositor and applicator. L. S. Seidler. 2,501,972, Mar. 28.
Depressants for DDT hydrocarbon solutions and fungicidal insecticides obtained thereby, Crystallization point. L. Liberthson and J. Faust. 2,534,277, Dec. 19.
Depressants for petroleum hydrocarbon solutions of para-dichlordiphenyl trichloroethane, Crystallization point. L. Liberthson and J. Faust. 2,534,278, Dec. 19.
Depth control for tractor-drawn implements. J. E. Englund. 2,534,761, Dec. 19.
Depth of dip control apparatus. R. A. Tarlton. 2,508,200, May 16.
Depth of field indicator. G. N. Smith. 2,527,106, Oct. 24.
Derivatives obtained by reacting gelatin and furoyl halides. G. F. Frame. 2,494,041, Jan. 10.
Derivatives of aliphatic acids, lactones and making same, Halogenated. E. C. Britton, J. C. Vander Weele, and J. E. Livak. 2,530,348, Nov. 14.
Derivatives of cyclohexene and preparing same. I. M. Heilbron and E. R. H. Jones. 2,531,567, Nov. 28.
Derivatives of diethylstilbestrol. E. Kaiser and J. Svarz. 2,502,324, Mar. 28.
Derivatives of dihydropyran and preparation of the same. C. W. Smith, D. G. Norton, and S. A. Ballard. 2,514,168, July 4.
Derivatives of dihydropyridine. V. E. Haury. 2,516,625, July 25.
Derivatives of di-hexahydro-2-oxo-4-(4-haloalkyl)-1-furo-(3,4)-imidazole and preparing same. K. Hofmann. 2,506,594, May 9.
Derivatives of 4-amino-antipyrine. B. Stein. 2,506,654, May 9.
Derivatives of hexestrol. E. Kaiser and J. Svarz. 2,502,325, Mar. 28.
Derivatives of high molecular weight copolymers, Acylated. E. Lieber and W. H. Smyers. 2,500,082, Mar. 7.
Derivatives of N,N'-methylenebis-(hexahydropyrimidines), Production of substituted. G. H. Morey. 2,527,323, Oct. 24.
Derivatives of nicotinic acid and preparing them, Water-insoluble. C. F. Woodward and C. O. Badgett. 2,510,164, June 6.
Derivatives of oleonitrile having surface active properties, Production of. W. Kaplan. 2,495,105, Jan. 17.
Derivatives of parahydroxypenicillin G. F. H. Stodola, J. L. Wachtel, and R. D. Coghill. 2,504,161, Apr. 18.
Derivatives of 2-aminopyrimidines and producing the same. H. L. Friedman and A. V. Tolstoouhov. 2,500,283, Mar. 14.
Derivatives of vitamin B_6 and preparing same. D. Heyl, S. A. Harris and K. Folkers. 2,519,469, Aug. 22.
Deriving energy from solid fuels. R. P. Ramsey. 2,509,246, May 30.
Derrick. R. Kershaw. 2,519,910, Aug. 22.
Derrick, Marine. S. W. Woodard. 2,520,519, Aug. 29.
Derrick structure, Portable. C. R. Athy, C. R. Konkle, and E. H. Munro. 2,505,087, Apr. 25.
Desalting crude petroleum. P. S. Viles. 2,503,977, Apr. 11.
De-salting pickled hides and skins. C. G. Schneider. 516,806, July 25.
Descaler for boiler tubes and the like, Rotary expansible. V. H. Baker and C. M. Anderson. 2,500,238, Mar. 14.
Descaling burner. C. Mott, A. F. Chouinard, and M. A. Tylutki. 2,532,567, Dec. 5.
Descending counter. B. E. Phelps. 2,500,294, Mar. 14.
Desedimentizer. A. A. O'Meara. 2,513,352, July 4.
Desiccant packaging. M. A. Chavannes and H. A. Rohdin. 2,524,162, Oct. 3.
Desiccating fruit juices. E. W. Flosdorf. 2,509,681, May 30.
Desiccation. E. W. Flosdorf and F. J. Stokes, Jr. 2,508,107, May 16.
Desiccation of aqueous materials from the frozen state. S. Bradbury, 3rd. 2,513,991, July 4.
Designing of woven fabrics, Means for use in the. D. M. Cooper. 2,495,054, Jan. 17.
Desk. E. A. Linder. 2,527,944, Oct. 31.
Desk. H. J. Robb. 2,510,255, June 6.
Desk, Adjustable typewriter. W. B. Wilson. 2,516,281, July 25
Desk and drawing table, Combination. J. Pizzonia. 2,507,931, May 16.
Desk and seat, Folding. L. J. Rocca. 2,530,785, Nov. 21.
Desk calendar pad. C. Maline. 2,505,417, Apr. 25.
Desk construction. H. P. Thomas and A. T. Swimmer. 2,525,975, Oct. 17.
Desk drawer partition. S. G. Budal. 2,507,366, May 9.
Desk novelty letter holder. W. W. McGuire. 2,501,402, Mar. 21.
Desk or pocket bevel. W. Thomas. 2,529,640, Nov. 14.
Desk pad structure. A. Cohn. 2,530,115, Nov. 14.
Desk set, Combination. A. J. Michel and K. F. Ross. 2,521,594, Sept. 5.
Desk set, Magnetic. P. C. Hull. 2,510,634, June 6.
Desk set, Pen. L. Moholy-Nagy. 2,510,648, June 6.
Desk set, Receiver and transmitter telephone. F. L. Cunow. 2,501,212, Mar. 21.
Desk type lamp. W. F. Masterson. 2,511,780, June 13.
Desk, Typewriter. W. J. Bargen. 2,499,713, Mar. 7.
Dessert, Gelatin. D. P. Grettie. 2,519,961, Aug. 22.
Desterolation. K. C. D. Hickman. 2,515,041, July 11.
Desulfation of coagulation baths for the spinning of viscose. L. Caute. 2,512,266, June 20.
Desulfurization and conversion of a naphtha. E. T. Layng and L. C. Rubin. 2,498,559, Feb. 21.
Desulfurization and cracking of sulfur-containing petroleum, Catalytic. J. E. Ford, Jr. 2,528,586, Nov. 7.
Desulfurization by treatment with elemental halogens. C. M. Himel. 2,503,486, Apr. 11.
Desulfurization of crude and cracked petroleum distillates. C. O. Hoover. 2,496,536, Feb. 7.
Desulfurization of heavy petroleum hydrocarbons. W. A. Horne and J. F. Jungé. 2,516,877, Aug. 1.
Desulfurization of hydrocarbon oils. A. F. Sartor. 2,512,570, June 20.
Desulfurization of hydrocarbons. J. A. Chenicek. 2,531,767, Nov. 28.
Desulfurization of light petroleum hydrocarbons. W. A. Horne and J. F. Jungé. 2,516,876, Aug. 1.
Desulfurization of organic substances. A. P. Lien and B. L. Evering. 2,495,851, Jan. 31.
Desulfurization of vegetable foodstuffs. M. P. P. Flanzy. 2,509,633, May 30.
Desulfurizing and decopperizing ferrous metal. J. F. Jordan. 2,512,578, June 20.
Desulfurizing crude oil. R. J. Strawinski. 2,521,761, Sept. 12.
Desulfurizing hydrocarbon oils. D. A. McCaulay and A. P. Lien. 2,519,587, Aug. 22.
Detachable bracket. O. J. Poupitch. 2,498,623, Feb. 21.
Detachable coat hanger cover. M. T. Van Derbeck. 2,525,158, Oct. 10.
Detachable coupling. J. M. Launder. 2,535,016, Dec. 19.
Detachable coupling. C. P. Pepper. 2,510,653, June 6.
Detachable crutch bracket. C. R. Connaghan. 2,495,889, Jan. 31.
Detachable furniture and packing case. M. Ehrlich. 2,518,983, Aug. 15.
Detachable flange fastener. S. Victor. 2,516,605, July 25.
Detachable handle. A. F. Plitt. 2,527,847, Oct. 31.
Detachable illuminated card holder. R. S. King. 2,494,179, Jan. 10.
Detachable ornamental spectacle frame. K. Cleaver. 2,495,508, Jan. 24.
Detachable plane handle. A. L. Zetterman. 2,519,992, Aug. 22.
Detachable setting. M. Imowicz. 2,530,432, Nov. 21.
Detachable telescopic sight mounting. F. C. Baker and E. G. Spencer. 2,505,319, Apr. 25.
Detachable tone arm mounting. R. G. Bode and C. A. Geib. 2,496,693, Feb. 7.
Detachable utensil handle. H. Hibbard. 2,501,940, Mar. 28.
Detasseling machine, Corn. W. R. Davies. 2,526,543, Oct. 17.
Detasseling machine, Corn. R. W. Hagie and E. V. Collins. 2,508,605, May 23.
Detasseling machine, Corn. J. H. Schlessman. 2,526,583, Oct. 17.
Detecting acid anhydride-forming gases such as carbon monoxide and gaseous acid anhydrides. W. E. Brinker and V. C. Williams. 2,517,382, Aug. 1.
Detecting caught threads in circular looms. V. M. J. Ancet. 2,495,501, Jan. 24.
Detecting corrosion, Method and apparatus for. P. S. Williams. 2,527,170, Oct. 24.
Detecting cracks in porous surfaces. T. de Forest and H. N. Staats. 2,516,857, Aug. 1.
Detecting defects in objects, Method of and apparatus for. R. Gunn and J. E. Dinger. 2,519,367, Aug. 22.
Detecting device. W. R. Kanne. 2,513,805, July 4.
Detecting device for determining paintability of masonry surfaces, Vapor. L. Liberthson. 2,534,279, Dec. 19.
Detecting elementary particles. K. Sun. 2,534,932, Dec. 19.
Detecting equipment. L. J. La Marca. 2,533,820, Dec. 12.
Detecting flaws in solid bodies. W. E. Piper. 2,524,208, Oct. 3.
Detecting flaws, Method and apparatus for. J. C. Dionne. 2,531,413, Nov. 28.
Detecting hydrogen cyanide, Method and apparatus for. H. W. Carhart and J. A. Krynitsky. 2,534,229, Dec. 19.
Detecting imperfectly sealed containers of vacuum-holding type. W. D. Bell. 2,512,910, June 27.
Detecting ionizing particles, Method and apparatus for. E. R. Graves. 2,506,419, May 2.
Detecting leaks in lead sheath telephone cables. A. P. Jahn. 2,518,327, Aug. 8.

Detecting physical quantities, Method of and device for. J. C. Frommer. 2,517,554, Aug. 8.
Detecting surface discontinuities. T. de Forest and H. N. Staats. 2,499,467, Mar. 7.
Detecting surface discontinuities in electrically poor conductive surfaces. T. de Forest and H. N. Staats. 2,499,466, Mar. 7.
Detecting system, Line class. P. C. Borel and M. R. Mauge. 2,504,959, Apr. 25.
Detecting system producing a visible likeness of the object, Object. R. H. Rines. 2,528,729, Nov. 7.
Detecting waves, Method and apparatus for. A. M. Nicolson. 2,499,605, Mar. 7.
Detection and control system, Remote. J. A. Bradley. 2,513,279, July 4.
Detection and measurement device, High-frequency. J. M. Lafferty. 2,496,879, Feb. 7.
Detection apparatus. H. L. Anderson. 2,532,874, Dec. 5.
Detection device. C. A. Anderson. 2,511,233, June 13.
Detection of phenomena capable of setting up vibration. M. K. Taylor. 2,524,579, Oct. 3.
Detection of suspended matter in gases. A. H. Hobelmann. 2,510,977, June 13.
Detection of washouts in rotary drilling strings. J. T. Hayward. 2,528,956, Nov. 7.
Detection system, Directional sound. R. H. Ranger. 2,528,546, Nov. 7.
Detector and coincidence circuit therefor, Scintillation type radiation. G. A. Morton. 2,517,404, Aug. 1.
Detector and mixer, Balanced microwave. R. A. Braden. 2,527,910, Oct. 31.
Detector, Angle modulation. S. W. Seeley. 2,496,818, Feb 7.
Detector, Angle modulation. S. W. Seeley. 2,497,840–1, Feb. 14.
Detector calibration, Well logging. G. Herzog. 2,493,346, Jan. 3.
Detector device. E. A. Mastriani. 2,522,834, Sept. 19.
Detector, Differential. B. M. Wojciechowski. 2,498,103, Feb. 21.
Detector, Electronic. C. R. Daum and L. T. Cleaver. 2,503,247, Apr. 11.
Detector, Fishing line tension. F. L. Vibber. 2,529,320, Nov. 7.
Detector for carton closing machines. J. W. Binsack. 2,499,564, Mar. 7.
Detector for high energy radiation. A. M. Skellett. 2,498,461, Feb. 21.
Detector for looms Side slipping weft. A. Cederlund. 2,500,518, Mar. 14.
Detector for looms, Side slipping weft. H. A. Whitin. 2,498,322, Feb. 21.
Detector for time modulated pulses. N. H. Young, Jr. 2,517,618, Aug. 8.
Detector for X-ray film packages, Fog. W. A. Williams. 2,505,346, Apr. 25.
Detector, Frequency modulation. W. M. Goodall. 2,499,742, Mar. 7.
Detector, Hit-and-run. M. A. Beard. 2,521,562, Sept. 5.
Detector mechanism for use with sheet-feeding apparatus, Multiple sheet. H. T. Backhouse. 2,517,379, Aug. 1.
Detector mechanism, Front edge. H. T. Backhouse. 2,499,125, Feb. 28.
Detector of electrical ground currents. W. J. Hudson. 2,505,246, Apr. 25.
Detector of the focused rotary electron beam kind, Coincidence. R. R. Schramm. 2,533,401, Dec. 12.
Detector of vapors and the like, Electrical. W. C. White. 2,504,772, Apr. 18.
Detector, Peak-to-peak. F. H. Shepard, Jr. 2,519,295, Aug. 15.
Detector, Phase. A. A. Barco. 2,503,700, Apr. 11.
Detector reception of continuous waves, Modulated. D. A. Griffin and L. C. Waller. 2,514,859, July 11.
Detector, Safety voltage. A. E. West. 2,500,725, Mar. 14.
Detector, Seam. H. W. Beall. 2,523,184, Sept. 19.
Detector, Standing wave. D. Blitz. 2,522,563, Sept. 19.
Detector system for radar apparatus, Balanced. J. R. Moore. 2,510,710, June 6.
Detector system, Frequency-modulation. L. F. Curtis and B. D. Loughlin. 2,498,253, Feb. 21.
Detectors, Tuned ultra high frequency thermionic. E. G. Schneider. 2,524,179, Oct. 3.
Detent for parallel motion mechanism. W. J. Hartwig. 2,516,207, July 25.
Detent for selector switches. G. H. Klay. 2,511,349, June 13.
Detent for wrench ratchet handles. A. D. Douglas. 2,514,598, July 11.
Detent means for optical lens turrets, Indexing. I. Cisski. 2,496,269, Feb. 7.
Detent means for switches. H. H. Clayton. 2,528,115, Oct. 31.
Detergent, Aqueous. J. E. Cornell and J. E. Hanson. 2,500,024, Mar. 7.
Detergent blocks, Producing. R. J. Short and G. M. Woodruff. 2,520,570, Aug. 29.
Detergent composition. A. S. Du Bois. 2,519,747, Aug. 22.
Detergent composition. E. Eichwald. 2,503,381, Apr. 11.
Detergent composition. W. C. Preston. 2,494,580, Jan. 17.
Detergent composition. W. C. Preston. 2,527,075–7, Oct. 24.
Detergent composition. N. B. Tucker. 2,527,078, Oct. 24.
Detergent composition, Caustic alkali. L. L. Little. 2,509,440, May 30.
Detergent composition, Germicidal. E. E. Mendenhall. 2,510,510, June 6.
Detergent compositions. J. C. Harris. 2,522,446–7, Sept. 12.
Detergent compositions, Abrasive. C. J. Munter. 2,494,827, Jan. 17.
Detergent concentrate. C. M. Shaw. 2,531,166, Nov. 21.
Detergent, Lubricating oil. J. O. Clayton and D. H. Etzler. 2,516,616, July 25.
Detergent mixtures, Production of granular. J. D. MacMahon and L. D. Taylor. 2,515,880, July 18.
Detergent supplying means for dishwashing apparatus. G. H. Wotring. 2,498,517, Feb. 21.
Determination of aromatics in hydrocarbon mixtures. B. F. Dudenbostel, Jr. 2,527,121, Oct. 24.
Determination of exposure times. W. C. Seifert. 2,495,779, Jan. 31.
Determination of moisture contents. F. Courvoisier. 2,532,010, Nov. 28.
Determination of olefins in hydrocarbon mixtures. J. J. Heigl, J. F. Black, and B. F. Dudenbostel, Jr. 2,527,122, Oct. 24.
Determination of unbalance in rotors. S. G. Svensson and N. B. Langefors. 2,500,013, Mar. 7.
Determining and recording whether or not a railway axle crown bearing has been operated at a predetermined critical temperature. E. S. Pearce and L. D. Grisbaum. 2,503,593, Apr. 11.
Determining electrical resistance values. F. F. Uehling. 2,508,478, May 23.
Determining fluid content and salinity of moist solids. M. Williams. 2,513,388, July 4.
Determining magnetic properties of well cores, Method and apparatus for. H. N. Herrick and W. M. Schaufelberger. 2,500,680, Mar. 14.
Determining malposition of vertebrae, Method and apparatus for. H. J. Horner. 2,532,915, Dec. 5.
Determining oxygen concentration in steel. L. Fine. 2,502,621, Apr. 4.
Determining particle size distribution, Method and apparatus for electronically. J. Hillier. 2,494,441, Jan. 10.
Determining plugging of oil rings of internal-combustion engines using a radial light beam, Method and apparatus for. J. W. Savin and J. H. Neithammer. 2,509,316, May 30.
Determining proportions in compositions of substances. G. Herzog. 2,534,352, Dec. 19.
Determining radiation dosage, Method and apparatus for. J. Kieffer. 2,496,218, Jan. 31.
Determining rate of composition change, Process and apparatus for. C. W. Skarstrom. 2,519,081, Aug. 15.
Determining the elongation properties of coating films, Method and apparatus for. D. M. Williams. 2,497,052, Feb. 7.
Determining the level of a liquid, Method of and apparatus for. M. A. Elliott. 2,506,585, May 9.
Determining the thickness of a metal coating on a metal base. H. F. Beeghly. 2,521,772, Sept. 12.
Determining time from target by signal reflection, Method and apparatus for. E. O. Keizer. 2,533,889, Dec. 12.
Determining unknown vibration characteristics, Method and apparatus for visually. J. E. Henabery. 2,533,010, Dec. 5.
Determining water in nonelectrolytes, Continuous method and apparatus for. M. Jellinek. 2,509,303, May 30.
Deterrent, Digit sucking. N. K. Haniuk. 2,498,122, Feb. 21.
Dethiolizing of hydrocarbons by means of ethylene oxide. G. B. Arnold and H. V. Hess. 2,530,561, Nov. 21.
Detonation indicating apparatus. D. F. Alexander. 2,530,931, Nov. 21.
Detonation indicating apparatus. H. A. Clarke. 2,517,976, Aug. 8.
Detonation indicator. D. L. Elam. 2,508,996, May 23.
Detonation meter. D. R. de Boisblanc. 2,496,337, Feb. 7.
Detonation meter. D. R. de Boisblanc. 2,534,005, Dec. 12.
Detonation voltage measuring means. D. R. de Boisblanc. 2,534,004, Dec. 12.
Detonator. J. T. Power. 2,495,868, Jan. 31.
Detonator, Electrical. S. L. Windes. 2,514,434, July 11.
Detoxifying and stabilizing castor beams. B. Chiego. 2,516,299, July 25.
Detoxifying poisonous compounds. A. Brasch. 2,534,222, Dec. 19.
Detwinning quartz crystals, Method of and apparatus for. A. N. Holden. 2,527,636, Oct. 31.
Developer vaporizing and distributing means for dry developing machines. F. O. Trump. 2,503,225, Apr. 4.
Developing and fixing photographic images, Simultaneously. R. P. Dreywood. 2,525,532, Oct. 10.
Developing apparatus for photographic films, Daylight. A. Alk. 2,498,477, Feb. 21.
Developing means for a dry type developing machine. F. O. Trump and S. K. Bishop. 2,515,144, July 11.
Development of sulfuric acid esters of leuco vat dyes using hydroxylammonium salts. H. L. Sanders. 2,503,300, Apr. 11.

Deviation compensator. J. E. Lundberg and R. G. Ballard. 2,519,058, Aug. 15.
Device and method for measuring weighted sum of real and reactive electrical power. A. J. Petzinger. 2,521,869, Sept. 12.
Device and method of forming collar stuffers. A. J. Logan. 2,511,214, June 13.
Device comprising a discharge tube sensitive to space charge variations. F. Coeterier. 2,533,767, Dec. 12.
Device comprising a gas-and/or vapor-filled discharge tube. P. Schouwstra and P. J. M. Mutsaers. 2,504,594, Apr. 18.
Device comprising a gas turbine. A. A. Dros. 2,535,488, Dec. 26.
Device comprising an electric discharge tube and a siphon arrangement within said tube. N. Warmoltz. 2,516,736, July 25.
Device comprising an electric discharge tube for ultra high frequencies. F. Coeterier. 2,534,545, Dec. 19.
Device for accelerating electrically charged particles, such as electrons and ions. R. Wideröe. 2,520,447, Aug. 29.
Device for actuating wall type switches. L. D. Hood. 2,493,581, Jan. 3.
Device for adjustably positioning spaced magnetic fields. M. R. Heppner. 2,499,065, Feb. 28.
Device for adjusting angular relationship. H. L. Bowditch. 2,500,657, Mar. 14.
Device for adjusting the bottom margin on typewriting and similar office machines. S. Pilzer. 2,524,571, Oct. 3.
Device for administering oxygen. A. S. Valente. 2,508,050, May 16.
Device for aid in drilling ophthalmic lenses. C. L. Hobbs. 2,535,633, Dec. 26.
Device for applying adhesive tape. B. Burns. 2,493,737, Jan. 10.
Device for applying liquid adhesive to workpieces. H. D. Elliott. 2,516,110, July 25.
Device for applying massage. M. A. Amer. 2,513,772, July 4.
Device for applying sheet material to cylindrical articles. F. C. Worth. 2,531,314, Nov. 21.
Device for applying stoppers to frangible objects. G. C. Fairbairn. 2,510,878, June 6.
Device for applying tape to contiguous faces of rectangular objects. G. Long. 2,512,579, June 20.
Device for arresting a shaft. J. M. Unk. 2,530,795, Nov. 21.
Device for assisting parturition of animals. B. N. Frank. 2,522,508, Sept. 19.
Device for attaching floats to fishlines. K. R. Larson. 2,501,471, Mar. 21.
Device for attaching master sheets on drums. E. J. Janke. 2,512,940, June 27.
Device for attaching propeller spinners. R. E. Froom. 2,534,662, Dec. 19.
Device for attracting attention to billboards. R. G. Reeves. 2,532,572, Dec. 5.
Device for automatically adjusting a variable jet nozzle for a jet propulsion unit with variations in the temperature prevailing in the jet pipe. A. A. Lombard and G. K. L. Gourlay. 2,514,248, July 4.
Device for automatically returning and locking movable members, in particular aircraft wheels. R. L. Levy. 2,525,362, Oct. 10.
Device for automatically switching off a telephonograph. M. Handschin. 2,519,567, Aug. 22.
Device for barbecuing, roasting, broiling, and the like. W. G. Alexander. 2,533,080, Dec. 5.
Device for bending sheet metal into cylindrical shapes. W. H. Mann and E. V. Schmidt. 2,505,293, Apr. 25.
Device for bending sheet metal, strip metal, wire, and the like. N. Stott. 2,525,625, Oct. 10.
Device for bicycles, Passenger-carrying. V. Stewart. 2,516,352, July 25.
Device for binding cables onto loads of material. L. A. Hendrickson. 2,530,879, Nov. 21.
Device for binding the edges of lantern slide assemblies or similar articles. D. H. Johnson. 2,528,754, Nov. 7.
Device for blowing air into a room. N. P. W. Frisk and S. W. Wallin. 2,528,130, Oct. 31.
Device for caging the gimbal mounting in gyroscopes. C.-E. Granqvist. 2,519,454, Aug. 22.
Device for cinematographic apparatus intended for restoring automatically the length of the film loop comprised between the objective and the driving roller. J. Thévenaz. 2,494,842, Jan. 17.
Device for cleaning fish. R. H. Lindsey. 2,531,064, Nov. 21.
Device for cleaning grain. H. B. Aber. 2,523,259, Sept. 26.
Device for cleaning meat tenderizing knives. G. M. Richard. 2,503,687, Apr. 11.
Device for cleaning radiators. J. L. Bacus. 2,529,756, Nov. 14.
Device for clutching reciprocable actuating rod to driven members. J. M. Blackhall. 2,511,321, June 13.
Device for comminuting fruits and vegetables. J. E. Bennett. 2,527,695, Oct. 31.
Device for comparing with a common physical receiving means, two radiations of similar character and subsidiarily recording the ratio between said radiations. E. Vassy. 2,512,122, June 20.
Device comprising a magnetron tube. K. Posthumus. 2,525,721, Oct. 10.
Device for condensers. H. Spanne. 2,504,281, Apr. 18.
Device for connecting and disconnecting two members. W. H. Spitzkeit. 2,500,299, Mar. 14.
Device for controlling a hay rake from a remote point. V. H. Schlenner. 2,519,074, Aug. 15.
Device for controlling a heater in response to the heater combustion conditions. A. R. Collins, F. A. Ryder, and R. D. Randall. 2,512,919, June 27.
Device for controlling air condition. R. D. Touton. 2,528,982, Nov. 7.
Device for controlling discharge rates from tanks. C. A. De Giers and R. A. F. Sandberg. 2,509,629, May 30.
Device for controlling the adjustment and operative actuation of impulse contacts in telephone dials. J. E. Bosh. 2,503,541, Apr. 11.
Device for controlling the coupling between two inductively coupled circuits. F. H. Gusdorf and E. A. van Yzeren. 2,522,035, Sept. 12.
Device for controlling the flow of liquids. W. C. Lapple. 2,508,762, May 23.
Device for controlling the path of travel of electrons in cathode-ray tubes. M. R. Heppner. 2,522,872, Sept. 19.
Device for controlling the propagation of energy in a wave guide. M. D. Fiske. 2,505,534, Apr. 25.
Device for converting a rotary motion into a reciprocatory motion or vice versa. T. Patrignani. 2,515,795, July 18.
Device for converting motion. G. R. Bouchard. 2,532,254, Nov. 28.
Device for cooking popcorn. E. G. Beckemeyer and G. T. Schmidt. 2,522,085, Sept. 12.
Device for counting persons ascending and descending a flight of steps. P. A. Meuriot. 2,494,401, Jan. 10.
Device for covering openings in enclosed machines. V. R. Holmgren. 2,499,190, Feb. 28.
Device for creating a magnetic wave of the H_0 type in a circular sectioned guide. A. J. Ortusi and R. Paul. 2,525,935, Oct. 17.
Device for curling hair for permanent waves. D. B. Peterson. 2,496,066, Jan. 31.
Device for cutting cake and handling the cut pieces. J. H. Norman. 2,502,982, Apr. 4.
Device for cutting onions or other vegetables. E. Strassenburg. 2,522,143, Sept. 12.
Device for cutting the terminal eccentric run-out groove on phonograph records. F. Van Eps. 2,493,511, Jan. 3.
Device for demonstrating the circuits and fields of electrical motors and generators. G. W. Thompson. 2,518,506, Aug. 15.
Device for describing curved or straight lines. W. H. Kuntz. 2,525,606, Oct. 10.
Device for detecting bent spindles. J. D. Rust. 2,510,258, June 6.
Device for detecting or measuring rate of turn. F. W. Meredith. 2,514,250, July 4.
Device for determining axle-engaging positions of axle blocks for a vehicle lift. H. D. Smith. 2,508,777, May 23.
Device for determining moisture content, density, and direction of grain of wood, and other semiconducting material. J. P. Limbach. 2,505,778, May 2.
Device for determining relative movements of parts in wells. P. W. Martin. 2,530,309, Nov. 14.
Device for detonating explosives in oil wells. L. H. Kaltenberger. 2,506,836, May 9.
Device for diaphragming X-rays. D. E. Berggren. 2,501,756, Mar. 28.
Device for directly detecting, measuring, and utilizing for the purpose of control, variations in speed. L. E. W. Montrose-Oster. 2,530,717, Nov. 21.
Device for dispensing liquids, Coin freed. Z. Wieseltier. 2,510,003, May 30.
Device for dispensing material contained in collapsible receptacles. J. Goodheart. 2,534,708, Dec. 19.
Device for dispensing pastes or creams in collapsible tubular containers. C. E. De Vincenzi and D. Poverello. 2,527,246, Oct. 24.
Device for display listings on telephones. T. L. Richter and R. F. Lescovich. 2,516,592, July 25.
Device for displaying photographic transparencies. J. Silver. 2,534,561, Dec. 19.
Device for distributing pressure liquid over a plurality of supporting posts. J. M. Heyerman. 2,510,285, June 6.
Device for doors, Closing. S. G. Nørballe. 2,528,904, Nov. 7.
Device for dressing razor straps and the like. J. Tumminelli. 2,495,911, Jan. 31.
Device for drying traveling articles. F. W. Wehmiller, W. J. Nekola, and P. H. Spelbrink. 2,501,367, Mar. 21.
Device for dumping trucks. G. Kunert. 2,520,844, Aug. 29.
Device for effecting the threading of needles and the like. M. J. Costello. 2,518,287, Aug. 8.
Device for eliminating squeaks from board structures. H. E. Beach. 2,532,006, Nov. 28.
Device for examining crystalline structure by means of cathode-rays. J. B. Le Poole. 2,515,926, July 18.
Device for exhibiting changeably colored designs and supporting frame therefor. F. Burchell. 2,506,135, May 2.

Device for extracting kernels from green corn. W. A. Robinson. 2,509,452, May 30.
Device for feeding preheated air to combustion chambers. F. A. Biegal. 2,520,994, Sept. 5.
Device for filing and method therefor. R. J. Priepke. 2,524,078, Oct. 3.
Device for flexibly interconnecting wave guides. F. J. Bingley. 2,511,896, June 20.
Device for flushing toilets, Foot-operated. W. and E. E. Rothe. 2,530,482, Nov. 21.
Device for forming insulating parts on electric conductors. C. E. A. Montoriol and M. Sabine. 2,516,789, July 25.
Device for forming looped mesh fabrics. J. Groszmann. 2,501,045, Mar. 21.
Device for forming paper boxes. J. F. Pagendarm. 2,524,133, Oct. 3.
Device for forming trouser cuffs. C. Halek. 2,532,362, Dec. 5.
Device for four-color stereoscopic cinematography based on additional synthesis. L. Cristiani. 2,533,719, Dec. 12.
Device for gauging and assorting articles, Clamping type. L. W. Waters. 2,502,906, Apr. 4.
Device for generating high-frequency electrical oscillations. T. Douma. 2,498,257, Feb. 21.
Device for giving ice massages. E. M. Strauch. 2,502,182, Mar. 28.
Device for generating ultra high frequency oscillations. M. J. O. Strutt and A. van der Ziel. 2,510,842, June 6.
Device for gripping and holding a weft thread in nipper looms. A. Moessinger. 2,519,274, Aug. 15.
Device for guarding finger from application of nail polish. J. J. Smidl. 2,518,391, Aug. 8.
Device for guiding and landing aircraft by means of decimetric radio waves. H. Gutton and J. J. Hugon. 2,530,694, Nov. 21.
Device for guiding cutting torches. J. M. Rudisell. 2,509,698, May 30.
Device for holding and shaping long tapering stock. F. Banninger. 2,500,735, Mar. 14.
Device for holding flowers. T. P. Duncan, Jr. 2,513,461, July 4.
Device for holding gloves and suspending a handbag from a support. J. A. Doran. 2,516,760, July 25.
Device for holding objects. G. F. Felton. 2,529,285, Nov. 7.
Device for holding photographic prints while developing or fixing. B. D. Eisner. 2,535,728, Dec. 26.
Device for holding record forms for simultaneous entry. L. Olsen-Tank. 2,507,927, May 16.
Device for holding windows. M. Kmita. 2,506,508, May 2.
Device for immobilizing a piece with respect to another one in at least one predetermined position. H. R. Bruet and T. Lafitte. 2,531,198, Nov. 21.
Device for increasing the efficiency of sandblast gun operating by means of compressed air. S. Morel. 2,508,766, May 23.
Device for indexing contact springs in contact-welding apparatus. M. Rose and J. J. Zak. 2,529,265, Nov. 7.
Device for indicating feeding movement of a tool in a machine tool or the like. C. W. Berthiez. 2,512,296, June 20.
Device for indicating variations in thread tension in sewing machines. L. Roseman. 2,530,841, Nov. 21.
Device for inserting bolts in concrete. R. F. Sopris. 2,518,395, Aug. 8.
Device for integrating a variable quantity. I. E. Grosdoff. 2,496,912, Feb. 7.
Device for interconnecting wave guides. I. L. Stephan. 2,513,067, June 27.
Device for intercoupling single-ended and double-ended circuits. G. Guanella. 2,509,057, May 23.
Device for internal-combustion engines. J. J. Baldine. 2,509,755, May 30.
Device for lifting bricks and the like. A. H. Rice. 2,515,666, July 18.
Device for locking knives in their scabbards. H. O. Davidson, Jr. 2,527,710–11, Oct. 31.
Device for lubricating fluid pressure operating means. A. L. Semon. 2,511,016, June 13.
Device for maintaining a constant fluid pressure. N. A. de Bruyne. 2,514,226, July 4.
Device for maintaining a section of a band in lateral position whilst being subjected to a forward movement. J. Thévenaz. 2,535,334, Dec. 26.
Device for maintaining reserve supply in liquid supply tanks. E. D. Trom. 2,532,379, Dec. 5.
Device for making coated welding rods. J. B. Aninga and J. Tenger. 2,494,856, Jan. 17.
Device for making short-time exposures by means of X-rays. A. W. Vingerhoets. 2,499,546, Mar. 7.
Device for making strings of pressed articles. A. P. R. and R. W. H. Obermann. 2,534,678, Dec. 19.
Device for making suds. M. Friendlich. 2,502,140, Mar. 28.
Device for manipulating sand and other pulverulent substances. J. A. Cavallier. 2,497,295, Feb. 14.
Device for marking loom filling bobbins. F. R. Race. 2,526,502, Oct. 17.
Device for measuring and comparing functions. A. Chevallier. 2,529,723, Nov. 14.
Device for measuring angles and other dimensions. W. J. King. 2,533,890, Dec. 12.
Device for measuring material discharged from a hopper for sacking. P. C. Karlovich. 2,525,225, Oct. 10.
Device for measuring mechanical forces in terms of a fluid pressure. G. H. Sheffield. 2,517,038, Aug. 1.
Device for measuring taper. F. Holkenbrink. 2,517,667, Aug. 8.
Device for measuring temperatures at a distance. H. Rinia. 2,504,588, Apr. 18.
Device for measuring the degree of adhesion of vehicle wheels to their tracks. J. T. Foufounis. 2,496,405, Feb. 7.
Device for measuring the distance between the optical centers of two or more lenses or optical systems. T. G. Aulin. 2,532,878, Dec. 5.
Device for measuring the liquid content of partially filled transparent containers. H. L. McDougal. 2,516,330, July 25
Device for measuring the posterior sagittal diameter of a female pelvis. E. R. Chapman. 2,507,959, May 16.
Device for measuring thickness. G. Herzog. 2,501,173, Mar. 21.
Device for mechanically turning pages of books. L. Gorlenko. 2,508,913.
Device for metering of communications by manual telephone system. E. I. Engqvist. 2,517,643, Aug. 8.
Device for mounting pictures. S. I. Rochwite. 2,524,178, Oct. 3.
Device for obtaining electric fields of high frequency and great intensity and apparatus embodying such devices. E. Achard. 2,509,713, May 30.
Device for obtaining power from moving fluid. W. I. Geiger. 2,518,611, Aug. 15.
Device for obtaining X-ray photographs in relief. M. Bonnet. 2,511,097, June 13.
Device for opening clogged lubrication fitting passages. F. D. Jones. 2,494,298, Jan. 10.
Device for opening containers. J. F. Hodgson. 2,528,364, Oct. 31.
Device for opening containers of solid frozen sweet cream fats. J. B. Orrell. 2,506,969, May 9.
Device for packing fruit. H. H. Meincke. 2,511,285, June 13.
Device for partitioning a basket into compartments for packing different kinds or different colors of fruits. O. P. Dowell. 2,503,326, Apr. 11.
Device for peeling eggs by fluid pressure. J. B. Richards. 2,500,705, Mar. 14.
Device for peeling potatoes. J. Baumann. 2,499,291, Feb. 28.
Device for permanent waving of hair. C. Schmidt. 2,526,283, Oct. 17.
Device for picking cotton. E. Albaugh, Sr. 2,506,287, May 2.
Device for pivotally connecting the frame of a road roller with a supporting roll. C. E. Gifford. 2,532,806, Dec. 5.
Device for positioning X-ray film to dental cones. I. Shapiro. 2,525,959, Oct. 17.
Device for posture study. E. C. Champagne. 2,507,768, May 16.
Device for practicing golf of the type comprising a captive golf ball. W. M. Royston. 2,514,093, July 4.
Device for precipitating and drawing off annoying and harmful vapors and gases developing during boiling of acids. G. Deibel. 2,533,561, Dec. 12.
Device for predetermining fitting lengths of ornament strings. P. Tell and A. Lehrhoff. 2,529,058, Nov. 7.
Device for preventing the formation of ice on conductor rails. H. Chanter. 2,502,927, Apr. 4.
Device for pressing garments. J. R. Happer. 2,527,997, Oct. 31.
Device for pressure and heat sealing of plastics. S. E. Bender. 2,530,221, Nov. 14.
Device for printing upon pens or pencils. A. O. Worde. 2,524,690, Oct. 3.
Device for processing yogurt. A. Steinberg. 2,531,237, Nov. 21.
Device for producing camshafts and the like. R. Musyl. 2,509,070, May 23.
Device for producing margined photographs. T. R. Taylor. 2,524,941, Oct. 10.
Device for producing sawtooth currents or voltages. F. Kerkhof. 2,531,850, Nov. 28.
Device for producing sound effects. R. V. Graveel. 2,512,015, June 20.
Device for producing the vapor of a chemical agent. D. E. Pearsall. 2,521,941, Sept. 12.
Device for producing warning prior to exhaustion of bobbin thread. L. Roseman. 2,526,279, Oct. 17.
Device for protecting electrical contacts against unauthorized access. H. Holt. 2,516,994, Aug. 1.
Device for protecting metal from corrosion. H. Mogck. 2,523,443, Sept. 26.
Device for protecting the occupants and contents of vehicles. R. H. Forgy. 2,517,860, Aug. 8.
Device for protecting the tires of vehicles. W. C. Carlton. 2,501,886, Mar. 28.
Device for protecting vehicle tires. W. C. Carlton. 2,509,807, May 30.
Device for puncturing containers and dispensing fluid held under pressure in said containers. L. M. Cooper. 2,513,234, June 27.

Device for radio frequency treatment of filamentary material. T. H. Story. 2,503,779, Apr. 11.
Device for raising normally closed window sashes. C. K. Steins. 2,528,396, Oct. 31.
Device for reading meniscuses. F. G. Dresser. 2,496,447, Feb. 7.
Device for reduction of crosstalk between two coaxial pairs of a telephone cable. N. Baranov. 2,518,271, Aug. 8.
Device for registering the locations of personnel. E. A. Ericsson and A. C. Jacobaeus. 2,499,475, Mar. 7.
Device for relaxing parts of the human body. W. G. Sawyer and E. Laske. 2,500,578, Mar. 14.
Device for removing an insulating coating from coated wire. J. F. Bartusek. 2,530,219, Nov. 14.
Device for removing facial wrinkles. G. Baron. 2,504,791, Apr. 18.
Device for removing or inserting sleeves. F. C. Wilson. 2,495,649, Jan. 24.
Device for removing sealing closures. I. Newman. 2,496,672, Feb. 7.
Device for removing waste yarn from bobbins. E. C. Alix and H. A. Wilson. 2,499,810, Mar. 7.
Device for replacing a camera housing by a focusing screen housing. C. Luz. 2,511,355, June 13.
Device for restricting warping of doors. H. A. Singer. 2,513,059, June 27.
Device for resuperheating steam in prime movers. F. Houlet. 2,509,302, May 30.
Device for sanding floors or the like. N. B. Wilson. 2,532,979, Dec. 5.
Device for scribing fluid adhesives. A. L. Henson. 2,530,199, Nov. 14.
Device for scribing pipes. J. A. McLean. 2,502,660, Apr. 4.
Device for securing oars in a rowboat. D. Rogers. 2,497,797, Feb. 14.
Device for securing telescoping tubes to each other. A. Refsdal. 2,526,415, Oct. 17.
Device for securing the injector or feed regulator in the tube of blowpipes. R. R. L. Geffroy. 2,506,415, May 2.
Device for selection of groups of lines within automatic telephone exchanges. E. A. Ericsson. 2,506,200, May 2.
Device for sensing indicating panels as used in planning, dispatching, and the like. N. Kutchukian. 2,508,116, May 16.
Device for separating sheets, cards, or the like. J. L. McKeown. 2,524,918, Oct. 10.
Device for setting expansion screw bases in holes. F. M. Olin. 2,519,693, Aug. 22.
Device for setting or checking gauges. H. Halvarsson. 2,520,541, Aug. 29.
Device for shaping spectacle frames. J. Gorski. 2,502,088, Mar. 28.
Device for sharpening hollow surgical needles. W. A. Milner and W. C. Bennett. 2,525,264, Oct. 10.
Device for signaling and other purposes, Hand-operated rocket type. M. Dwyer and R. Anzalone. 2,519,123, Aug. 15.
Device for simultaneous indicating and recording signals. R. Hardy. 2,506,500, May 2.
Device for simultaneously controlling the change of pitch of two propellers. P. P. and R. J. Ratié. 2,514,166, July 4.
Device for sizing the ends of tubing. E. O. Woeller. 2,535,339, Dec. 26.
Device for sowing seeds. W. J. Parker. 2,525,718, Oct. 10.
Device for splitting and pitting peaches. J. E. Chenette. 2,514,120, July 4.
Device for stacking and wrapping coins. E. W. Carper. 2,532,603, Dec. 5.
Device for stacking hay. D. A. Wallace. 2,524,003, Sept. 26.
Device for stapling strips of belting together. E. Wheatley and J. J. Potter. 2,513,903, July 4.
Device for starting or reversing internal-combustion engines. J. R. Munck af Rosenschöld. 2,524,070, Oct. 3.
Device for steering towed equipment. M. J. Smart and W. P. O. Wolle. 2,510,525, June 6.
Device for stereophonic transmission of signals by electric means. T. J. Wëyers. 2,515,619, July 18.
Device for storing and dispensing material in filament form, such as metal or alloy wire, string or the like. E. F. Guest. 2,514,542, July 11.
Device for straightening hair. E. Roth. 2,526,581, Oct. 17.
Device for studying the characteristics of a phenomenon. R. P. Leroy. 2,533,594, Dec. 12.
Device for sucking and guiding the ends of broken threads in spinning machines. H. Bärtschi. 2,525,996, Oct. 17.
Device for supplying a measured quantity of liquid. T. H. Faulkner. 2,519,829.
Device for supplying brake fluid. W. W. Lee. 2,509,570, May 30.
Device for supporting balls of yarn or cotton. H. L. Rollins. 2,519,505, Aug. 22.
Device for supporting binoculars on military headgear. M. G. Larrabee and A. J. Rawson. 2,517,892, Aug. 8.
Device for supporting fishing rods. G. C. von Beck. 2,526,981, Oct. 24.
Device for supporting glass during heating. T. W. Glynn. 2,526,815, Oct. 24.
Device for supporting moving vehicles on water. R. M. Hamilton. 2,527,995, Oct. 31.
Device for supporting wallpaper to be hung. A. M. Boone. 2,511,040, June 13.
Device for suspending clothes and like articles. W. H. Blackburn. 2,533,083, Dec. 5.
Device for swinging ships. F. J. Van Dusen and W. A. Burke. 2,531,484, Nov. 28.
Device for teaching music. B. B. Schulte. 2,525,729, Oct. 10.
Device for testing armatures of motors and generators. H. L. Williams and G. W. McLean. 2,515,623, July 18.
Device for testing pulse type radar system. R. G. Clapp and W. E. Bradley. 2,505,525, Apr. 25.
Device for testing the control mechanism of fuse setters and rammers for guns. M. Maeser. 2,508,577, May 23.
Device for thawing frozen water pipes. W. C. Bragg. 2,516,950, Aug. 1.
Device for the continuous measuring of the thickness of a band in the rolling. P. Blain. 2,534,849, Dec. 19.
Device for the elimination of random signals from a recurrent wave source. J. L. Russell and E. E. Herman. 2,524,837, Oct. 10.
Device for the end welding of studs. R. O. Smith. 2,506,747, May 9.
Device for the filing of plans, drawings, maps, etc. A. E. Lincke. 2,519,192, Aug. 15.
Device for the handling of trunks, suitcases, and the like. H. E. Mingo. 2,509,575, May 30.
Device for the magnetic recording on, and reproducing from disk-shaped sound carriers. W. Müller and O. Grimm. 2,519,592, Aug. 22.
Device for the production of artificial fibers. D. Horsåk. 2,509,735, May 30.
Device for the protection of the cathodes of electrolytic cells. E. Krebs. 2,508,523, May 23.
Device for the regulation and centering under vacuum of a filament for a Wehnelt cathode. H. Blattmann and H. Bruck. 2,506,660, May 9.
Device for the stereophonic transmission of sound. K. de Boer. 2,520,798, Aug. 29.
Device for tightening the weft and for sorting out the warp threads in circular weaving looms. H. Pelcé. 2,528,172, Oct. 31.
Device for timing telephone calls. S. F. Dunning. 2,509,489, May 30.
Device for topping beets. J. Nichols. 2,515,660, July 18.
Device for training children to overcome fear of darkness. C. M. Lertzman. 2,521,235, Sept. 5.
Device for training golfers. J. R. Ridill. 2,498,006, Feb. 21.
Device for transmitting coded electrical impulses. H. O. M. Jampoler and H. Lerner. 2,523,303, Sept. 26.
Device for transmitting rotary motion. P. Rime-Bruneau. 2,494,203, Jan. 10.
Device for treating liquids and emulsions. M. Boerstra. 2,521,334, Sept. 5.
Device for tuning high-frequency circuits. H. M. Dressel. 2,497,662, Feb. 14.
Device for tying baling wires. L. E. Fraser. 2,520,800, Aug. 29.
Device for use in collecting of blood for blood tests. O. Hvam. 2,517,490, Aug. 1.
Device for use in loading and unloading freight cars. R. C. Stacey. 2,502,181, Mar. 28.
Device for use in opening bivalve mollusks. F. A. Svec. 2,506,817, May 9.
Device for use in winding threads. C. G. Jansen, D. J. E. Nijkamp, and O. A. H. Waters. 2,520,409, Aug. 29.
Device for using adhesive tape. G. H. Fritzinger. 2,501,324, Mar. 21.
Device for using adhesive tape. H. G. Kendall. 2,511,856, June 20.
Device for using tape. G. H. Fritzinger. 2,511,857, June 20.
Device for very high frequencies comprising a lead-through conductor carrying high-frequency energy. E. G. Dorgelo. 2,530,603, Nov. 21.
Device for washing vegetables and the like. E. Thiermann. 2,535,967, Dec. 26.
Device for weatherproofing textile fabric articles. A. D. Harnett. 2,499,748, Mar. 7.
Device for wiping mud and the like from pipes. R. O. Wheaton and W. H. Wilde. 2,514,817, July 11.
Device for X-ray diffraction, High temperature. H. Friedman and L. S. Birks. 2,514,382, July 11.
Device in easels for carrying pictures. N. A. Nilsson. 2,532,030, Nov. 28.
Device in easels for locking the parts of the displaceable legs to one another. N. A. Nilsson. 2,513,889, July 4.
Device, method, and apparatus for the determination of exposure times by alternate opaque and light-transmitting bands. W. C. Seifert. 2,495,778, Jan. 31.
Device on automotive vehicles for preventing the inadvertent backward motion of the vehicle. W. Husy. 2,528,957, Nov. 7.
Device responsive to the unwinding of a weft thread. H. Pelcé. 2,535,369, Dec. 26.
Device to check bore diameters at preselected depths. B. J. Marascio. 2,499,251, Feb. 28.
Device to facilitate mounting of rolls of cloth on cloth spreading machines. H. W. Gilbert. 2,525,346, Oct. 10.

Device to facilitate the removal of ice trays. W. M. Allen and R. A. Anderson. 2,512,759, June 27.
Device to hold a folded handkerchief or the like in upright position. C. Hagg, Jr. 2,510,778, June 6.
Device to introduce rotary motion into a sealed casing. I. Gory. 2,509,227, May 30.
Device to prevent accidental erasure of magnetic records. S. J. Begun and J. P. Arndt, Jr. 2,508,485, May 23.
Device to prevent breakage of poles and wires. V. C. Davis. 2,535,270, Dec. 26.
Device to prevent mouth breathing. C. H. Johnston. 2,528,370, Oct. 31.
Device to sharpen twist drills. J. Ganz. 2,511,055, June 13.
Device to stiffen shirt collars. J. J. Turner. 2,508,126, May 16.
Device with horizontally swingable trackway to guide electric saws. J. E. McDermett. 2,527,754, Oct. 31.
Devices for precipitating and drawing off annoying and harmful vapors and gases. G. Deibel. 2,533,562, Dec. 12.
Devices which have selenium as constituent parts thereof. D. W. Rau and A. H. Bruemmer. 2,504,226, Apr. 18.
Diacridyl diamine derivatives. E. C. Britton and G. H. Coleman. 2,503,899, Apr. 11.
Diagnostic device, Electric blood pressure. W. J. Loria and J. Suhre. 2,493,301, Jan. 3.
Diagnostic lamp. A. A. Gradisar. 2,535,916, Dec. 26.
Dial along which a pointer is movable, more particularly tuning dial for radio apparatus. A. N. Legras. 2,498,436, Feb. 21.
Dial coupling. J. Wawzonek. 2,503,785, Apr. 11.
Dial for photoelectric light meters, Indicating. R. D. Hickok. 2,529,337, Nov. 7.
Dial indicating device. W. P. Hare. 2,527,095, Oct. 24.
Dial indicator control device. R. H. Miller. 2,526,257, Oct. 17.
Dial operator Automatic. R. and M. Demeulenaere. 2,523,256, Sept. 19.
Dial, Radio. H. A. Ohman. 2,496,488, Feb. 7.
Dial-speaker arrangement for radio receivers, Combined. K. Emde and H. H. Steglich. 2,523,103, Sept. 19.
Dial testing by means of an oscilloscope pattern, Telephone. W. H. Blashfield. 2,535,118, Dec. 26.
Dialer, Telephone. R. G. Fishel. 2,495,892, Jan. 31.
Dialer with pulse generating transformers, Preset type telephone. D. B. Parkinson. 2,499,606, Mar. 7.
Dialing aid for dial telephones. J. Crawford. 2,520,834, Aug. 29.
Dialing tool. A. P. and G. A. Lynn. 2,528.661. Nov. 7.
Dialkoxyalkanenitriles, Preparation of. J. G. Erickson. 2,519,957, Aug. 22.
Dialkoxyxylylene-bisquaternary salts. P. L. de Benneville and R. W. Gormly. 2,519,999, Aug. 22.
Dialkyl acetic acids and related compounds, Making. E. L. Pelton and A. A. Holzschuh. 2,531,363, Nov. 21.
Dialkyl alkoxy methane phosphonates and preparation. J. H. Brown. 2,500,022, Mar. 7.
Dialkylamino alkyl piperate and its hydrochloride. M. E. Synerholm. 2,494,458, Jan. 10.
Dialkyl polysulfides, Production of. J. P. Lyon, Jr. and W. W. Crouch. 2,527,948, Oct. 31.
Dialkyl silane derivative of ricinoleic acid ester. R. E. Christ. 2,496,335, Feb. 7.
Dialkyl 2-alkoxy-ethanephosphonates and preparing. P. O. Tawney. 2,535,172, Dec. 26.
Diallyl esters of phosphorous acid. W E Craig and W. F. Hester. 2,495,958, Jan. 31.
Diallyloxyalkyl maleates. H. T. Neher, W. J. Croxall, and E. H. Kroeker. 2,514,786, July 11.
Diallyl-3,5-dimethylphthalate polymer. R. C. Morris and A. V. Snider. 2,501,610, Mar. 21.
Diametrically cooperating vane pump. J. R. Richer. 2,495,771, Jan. 31.
Diamidine of 2-hydroxystilbene. A. J. Ewins. 2,510,047, May 30.
Diamines and production. R. Duschinsky. 2,514,380, July 11.
Diamino-diphenyl-ureas, The manufacture of. A. Brunner. 2,503,797, Apr. 11.
Diamond abrasive wheel. L. H. Milligan. 2,506,163, May 2.
Diaper. C. Baxmeyer, M. Meyersieck, and F. H. Taylor. 2,511,036, June 13.
Diaper. E. E. Best and H. Samojedny. 2,508,811, May 23.
Diaper. A. Blankenship. 2,497,533, Feb. 14.
Diaper. M. E. Brink. 2,516,951, Aug. 1.
Diaper. W. C. Burke. 2,530,189, Nov. 14.
Diaper. L. A. Chambers. 2,529,999, Nov. 14.
Diaper. G. J. Cichetti. 2,509,858, May 30.
Diaper. J. H. Crossingham. 2,530,046, Nov. 14.
Diaper. H. T. S. de Matzdorf. 2,507,197, May 9.
Diaper. H. Donahue. 2,494,933, Jan. 17.
Diaper. L. I. Medoff. 2,532,029, Nov. 28.
Diaper. J. Müller. 2,522,532, Sept. 19.
Diaper. A. H. Sonnenberg. 2,510,665, June 6.
Diaper and training pants, Combination. R. I. Meyer. 2,506,231, May 2.
Diaper, Baby. M. Miles. 2,516,331, July 25.
Diaper, Baby. H. Schwarzberger. 2,515,737, July 18.
Diaper construction. B. G. Dance. 2,493,113, Jan. 3.
Diaper, Inversive fold. J. R. Niolon. 2,494,307, Jan. 10.
Diaper, Pinless. L. Ravkind and A. W. Klausner. 2,500,432, Mar. 14.
Diaper, Pinless. M. and B. Rodgen. 2,494,312, Jan. 10.
Diaper, Pinless permanent folded. I. Israel. 2,511,406, June 13.
Diaper protector. J. F. and D. A. Grogan. 2,505,891, May 2.
Diaper, Reversible ready-made. S. B. Geeslin. 2,523,989, Sept. 26.
Diaphragm and making same, Sulfur coated. R. S. Dean and F. R. Keeshan, Jr. 2,519,891, Aug. 22.
Diaphragm construction for specimen bursting machines. R. E. Getchell. 2,509,143, May 23.
Diaphragm for gas meters, Flexible. E. R. Gilmore. 2,514,388, July 11.
Diaphragm motor valve. A. J. Hanssen. 2,527,814, Oct. 31.
Diaphragm, Normally expansible anatomical. R. J. Ballard and J. A. Jackson. 2.529.363, Nov. 7.
Diaphragm power unit. E. A. Rockwell. 2,509,840, May 30.
Diaphragm, Safety relief. J. F. Andrews. 2,526,795, Oct. 24.
Diaphragm type acoustic screen. R. C. Jolfre. 2,508,265, May 16.
Diaphragm unit and fabricating same. P. H. Bilhuber. 2,529,862, Nov. 14.
Diaphragm valve. W. G. Martin and A. E. Raeuber, Jr. 2,520,771, Aug. 29.
Diaphragm valve. J. Trefil. 2,504,057, Apr. 11.
Diaphragm with central closure member, Reentrant. A. E. Gersch. 2,512,323, June 20.
Diaphragm with stiffening means, Acoustical. A. E. N. Lawrance. 2,531,634, Nov. 28.
Diaphragm with stiffening struts, Loud-speaker. J. A. Hassan. 2,513,171, June 27.
Diapositive frame. G. Linser. 2,532,776, Dec. 5.
Diaryl alkanes, Production of. V. N. Ipatieff and H. Pines. 2,526,896, Oct. 24.
Diarylmethyl ethers of amino alkanols. J. W. Cusic. 2,532,292, Dec. 5.
Di-aryloxy-methanes. E. C. Britton, E. Monroe, and C. R. Hand. 2,493,711, Jan. 3.
Di-(aryloxy)-methanes. E. C. Britton, E. Monroe, and C. R. Hand. 2,526,534, Oct. 17.
Diathermy condenser electrode. E. C. Lund. 2,502,865, Apr. 4.
Diazoaminated dyestuffs. P. Petitcolas and J. Frenkiel. 2,522,838, Sept 19.
Diazo complexes, Solid. J. M. Straley. 2,498,722, Feb. 28.
Diazonium salt materials, Light-sensitive. P. E. Spoerri and D. P. Habib. 2,525,751, Oct. 10.
Diazo sulfonate light-sensitive element containing a diketone azo component. J. M. Straley. 2,500,099, Mar. 7.
Diazotype composition containing N-hydroxyethyl-m-toluidine-p-diazos. W. H. von Glahn and L. N. Stanley. 2,529,464, Nov. 7.
Diazotype compositions containing ethylene oxide derivatives of amino diazos. W. H. von Glahn, L. N. Stanley, and G. T. Parker. 2,528,460, Oct. 31.
Diazotype containing as the azo component a quaternary salt of 2-methyl-6-methoxybenzoselenazole. J. M. Straley. 2,532,744, Dec. 5.
Diazotype layers containing resorcinol mono-ethers. W. H. von Glahn and L. N. Stanley. 2,516,931, Aug. 1.
Diazotype materials stabilized with an α-alkylidene-polymethylene dicarboxylic acid. S. C. Slifkin. 2,495,827, Jan. 31.
Diazotypes comprising amine salts of sulfonic acid containing azo components. W. H. von Glahn, L. N. Stanley, and M. A. Hand. 2,531,485, Nov. 28.
Diazotypes containing dialkoxy phenols. W. H. von Glahn and L. N. Stanley. 2,523,889, Sept. 26.
Diazotypes containing diazo-sulfonates. R. Lantz and M. Moinard. 2,529,029, Nov. 7.
Diazotypes stabilized with sulfo amino benzoic acids. W. H. Von Glahn and L. N. Stanley. 2,496,240, Jan. 31.
Dibenzanthrone dyestuff. F. Max and W. Schmidt-Nickels. 2,515,723, July 18.
Dibenzopyran marihuana-like compounds. R. Adams. 2,509,386–7, May 30.
Dibenzylidene anhydroenneaheptitol. O. C. Dermer. 2,493,572, Jan. 3.
Diborane purification process. G. W. Schaeffer and G. D. Barbaras. 2,533,696, Dec. 12.
Dibromides of 2-vinylthiophenes. W. S. Emerson and T. M. Patrick, Jr. 2,503,197, Apr. 4.
Dicarboxylic acid anhydride-4-vinylcyclohexene diepoxide reaction products. R. E. Foster. 2,527,806, Oct. 31.
Dicarboxylic acid anhydride preparation. J. H. McAteer. 2,509,873, May 30.
Dicarboxylic acid derivatives of 2-sulfanilamido-1,3,4-thiadiazole. H. E. Faith. 2,518,227, Aug. 8.
Dicarboxyphenylsilanes. L. J. Tyler. 2,517,146, Aug. 1.
Dichloroacetic acid purification. E. C. Britton and L. F. Berhenke. 2,495,440, Jan. 24.
Dichloro aluminum aminoacetate hydrate deodorant composition. I. W. Grote and J. M. Holbert. 2,508,787, May 23.

Dichloroethylene/isobutylene interpolymers, Asymmetrical. M. M. Brubaker and R. A. Jacobson. 2,531,197, Nov. 21.
Dichlorooctafluorocyclohexene. W. B. Ligett, E. T. McBee, and V. V. Lindgren. 2,509,156, May 23.
Di-(chlorophenyl)-trichloroethane, Production of. P. Z. Anthony and G. A. Stein. 2,519,423, Aug. 22.
Dichlorostyrene as accelerator in the polymerization of butadiene-1,3 with styrene. M. C. Taylor. 2,529,201, Nov. 7.
Dichlorostyrene, Production of. E. R. Erickson. 2,519,125, Aug. 15.
Dichlorovinyl ethers. C. Graenacher, E. Usteri, and M. Geiger. 2,501,896, Mar. 28.
Dicrotonic esters. D. E. Floyd. 2,508,910, May 23.
Dictating and interoffice-communicating system, Combined. R. M. Somers and S. J. Weitzer. 2,497,037, Feb. 7.
Dicyandiamide acid sulfate. J. H. Paden and A. F. MacLean. 2,512,037, June 20.
Dicyclopentadiene dithiocyanate. E. E. Stahly. 2,501,697, Mar. 28.
Die: *See*—
Automatic die.
Expansible wiping die.
Forming die.
Pipe tong die.
Record forming die.
Shaping die.
Screw-thread die.
Wire stranding die.
Die. A. Deichmiller and E. F. Shalla. 2,533,922, Dec. 12.
Die. H. E. Renaud. 2,510,907, June 6.
Die actuating means, Reciprocating. H. T. Hearn. 2,523,430, Sept. 26.
Die adjustment device. A. J. Kiehne. 2,502,854, Apr. 4.
Die-cast slider pull with formed pivot bearings. L. H. Morin. 2,535,505, Dec. 26.
Die casting. B. F. Holmes and H. H. Heindel. 2,532,256, Nov. 28.
Die-casting apparatus. C. C. Veale. 2,494,071, Jan. 10.
Die-casting machine. E. A. Butner. 2,519,739, Aug. 22.
Die-casting machine. W. Coulthard. 2,530,760, Nov. 21.
Die casting machine. F. Gash. 2,522,866, Sept. 19.
Die closing mechanism. A. C. Carlson and F. W. Crew. 2,526,803, Oct. 24.
Die for casting rotors with ventilating ducts, Removable spacing. E. C. George. 2,504,824, Apr. 18.
Die for cutting electrical units. A. W. Franklin. 2,535,674. Dec. 26.
Die for forming undercut castings. L. H. Morin. 2,514,893, July 11.
Die for molding washerlike objects. C. H. Stowe. 2,510,840, June 6.
Die for sheet metal presses, Expanding. G. G. Greene. 2,518,422, Aug. 8.
Die for thermoplastics. E. R. Wadleigh. 2,494,974, Jan. 17.
Die gauge. J. E. Oslund. 2,527,758, Oct. 31.
Die head. R. W. Vosper. 2,517,062, Aug. 1.
Die head device. C. H. Klein. 2,533,943, Dec. 12.
Die head with cam operated radial chasers, Rotating. H. V. Packer. 2,534,878, Dec. 19.
Die holder. L. H. Messinger. 2,506,161, May 2.
Die set, Hydraulic antifriction. G. O. Conner. 2,523,358, Sept. 26.
Die shaping machine. G. B. Coe. 2,513,285, July 4.
Die sinking. J. A. Heron, J. Shaw, and L. N. Hocking. 2,518,890, Aug. 15.
Die stock, Pipe threading. H. Landsman. 2,499,595, Mar. 7.
Die structure for metallic cartridge belt links. F. Goldfisher. 2,520,396, Aug. 29.
Dies and Manufacture thereof, Forging. C. A. Brauchler. 2,515,589, July 18.
Dies for drawing bumpers, Expanding and contracting. O. Mueller. 2,528,072, Oct. 31.
Dies for single blow duplex nail machines, Air operated heading. H. V. Pierson. 2,527,759, Oct. 31.
Dies, Making cutting. M. Berlin. 2,495,221, Jan. 24.
Dies, Making impeller bucket. S. H. Norton. 2,503,630, Apr. 11.
Dielectric. L. J. Berberich and R. Friedman. 2,525,473, Oct. 10.
Dielectric composition. F. M. Clark. 2,508,099, May 16.
Dielectric composition. F. M. Clark. 2,512,886, June 27.
Dielectric constant piece for capacitors and making the same, Layerized high. R. R. Roup and C. E. Butler. 2,520,376, Aug. 29.
Dielectric heating apparatus. H. R. Warren. 2,522,487, Sept. 12.
Dielectric heating method and apparatus. G. W. Scott, Jr. 2,526,697, Oct. 24.
Dielectric heating, Method and apparatus for. G. E. Gard. 2,508,382, May 23.
Dielectric heating, Method and apparatus for. G. E. Gard. 2,515,211, July 18.
Dielectric heating, Method and apparatus for. G. W. Scott, Jr. 2,526,698, Oct. 24.
Dielectric heating with cavity resonator. T. W. Dakin, C. N. Works, and F. W. Boggs. 2,504,109, Apr. 18.
Dielectric material. F. B. Hodgdon. 2,501,868, Mar. 28.
Dielectric material and making, Ceramic. L. Navias. 2,515,790, July 18.
Dielectric materials and producing them, High. C. Wentworth. 2,529,719, Nov. 14.
Dielectric materials, Manufacture of. W. F. Forrester, R. M. Hinde, and B. Szigeti. 2,494,699, Jan. 17.
Dielectric test apparatus. A. Rufolo. 2,532,336, Dec. 5.
Diels-alder condensation products of certain polyolefinic, cyclic hydrocarbon fractions. H. S. Bloch. 2,514,533, July 11.
Diene hydrocarbons, The production of. J. W. Copenhaver and D. E. Sargent. 2,502,430–2, Apr. 4.
Diesel engine. E. C. Hallett. 2,525,131, Oct. 10.
Diesel engine. G. H. P. Hansen. 2,526,075, Oct. 17.
Diesel engine idling control. F. A. Thaheld. 2,530,741, Nov. 21.
Diethers of polyoxyalkylene diols. F. H. Roberts and H. R. Fife. 2,520,611–12, Aug. 29.
Diethyl acetal, Manufacture of. P. L. Bramwyche, M. Mugdan, and H. M. Stanley. 2,519,540, Aug. 22.
Differential analyzer. C. A. Lovell. 2,519,262, Aug. 15.
Differential and ratio control. R. A. Arthur. 2,498,633, Feb. 28.
Differential bellows control device. O. I. Steigerwalt. 2,508,584, May 23.
Differential boiler. H. O. McMahon. 2,494,304, Jan. 10.
Differential carrier. M. B. Morgan. 2,510,996, June 13.
Differential cooling in casting metals. P. P. Zeigler and C. R. St. John. 2,515,284, July 18.
Differential cylinder-piston assembly. R. S. Hoar and J. A. Thierry. 2,505,771, May 2.
Differential cylinder-piston assembly. G. W. Mork. 2,505,786, May 2.
Differential electrical meter. L. H. Middleton and E. A. Kern. 2,507,801, May 16.
Differential for four-wheel drives. M. Jusky. 2,514,071, July 4.
Differential for skid steering of vehicles, Brake controlled. R. I. Strickland and H. A. Knox. 2,528,559, Nov. 7.
Differential gearing, Nonequalizing-torque. R. R. Randall. 2,522,193, Sept. 12.
Differential mechanism. G. E. Craft. 2,509,560, May 30.
Differential mechanism for adjusting aircraft surfaces. P. H. Pelley. 2,509,697, May 30.
Differential pressure gauge. W. J. Kinderman. 2,509,644, May 30.
Differential pressure indicator. D. P. Brown. 2,497,255, Feb. 14.
Differential pressure indicator. L. B. Winton. 2,500,443, Mar. 14.
Differential protective arrangement. H. Bany and H. T. Seeley. 2,510,616, June 6.
Diffraction grating ruling engine. R. F. Stamm. 2,527,338, Oct. 24.
Diffuser, Air. L. H. Bauer. 2,511,490, June 13.
Diffuser apparatus for treating liquids with a gaseous medium. A. W. Wahlgren. 2,502,187, Mar. 28.
Diffuser, Insecticide. R. A. Cooper. 2,529,245, Nov. 7.
Diffuser, Liquid. F. S. Abbott. 2,494,640, Jan. 17.
Diffusion apparatus. W. V. Morton. 2,505,716, Apr. 25.
Digesting sewage sludge or trades wastes. H. E. Schlenz. 2,516,076, July 18.
Digger, Angle hole. R. C. Benson. 2,514,832, July 11.
Digger, Peanut. H. E. Flynt. 2,528,689, Nov. 7.
Digger, Peanut. R. B. Knowles. 2,524,109, Oct. 3.
Digger, Posthole. D. W. Porter and O. F. Roehler. 2,493,261, Jan. 3.
Digger, Posthole. W. H. Roelfs. 2,533,957, Dec. 12.
Digger, Post hole. E. Weishaar. 2,526,984, Oct. 24.
Digger, Potato. O. A. Clark. 2,516,957, Aug. 1.
Digger, Potato. J. R. Hobbs. 2,519,761, Aug. 22.
Digger, Rat hole. R. A. Mitchell. 2,522,795, Sept. 19.
Digger, Well. I. J. Karhu. 2,499,508, Mar. 7.
Digger with soil pulverizing and sifting screw, Potato. H. B. Howard, Sr. 2,521,581, Sept. 5.
Digging and separating machine, Potato. W. V. Helms. 2,529,023, Nov. 7.
Digging machine, Power-operated posthole. A. Shacklette. 2,534,628, Dec. 19.
Digit absorbing selector. A. Carson and E. T. Cronk. 2,513,400, July 4.
Digitalis extraction. O. Gisvold. 2,534,260, Dec. 19.
Diglycerides, Preparation of. E. B. Kester. 2,523,309, Sept. 26.
Diguanamines. J. K. Simons. 2,510,761, June 6.
Diguanylpiperazine and salts thereof, Preparation of. J. J. Denton and H. W. Stewart. 2,510,869, June 6.
Dihalomethylbenzanthrones. D. I. Randall and S. R. Buc. 2,531,464, Nov. 28.
Dihydrazide-formaldehyde resins. R. W. Auten. 2,509,183, May 23.
Dihydric alcohols and the preparation thereof, Saturated. L. F. Hatch and T. W. Evans. 2,513,133, June 27.
Dihydroimidazolium compounds. H. A. Shonle and E. R. Shepard. 2,493,321, Jan. 3.
Dihydroimidazolium compounds, Substituted. H. A. Shonle and E. R. Shepard. 2,493,320, Jan. 3.
Dihydrostreptomycin and acid addition salts. R. L. Peck. 2,498,574, Feb. 21.
Dihydroxydiphenyl coccidiosis control composition. J. E. Johnson, Jr., and D. R. Mussell. 2,532,233, Nov. 28.
Diimidazoles and making same. F. Ackermann and J. Meyer. 2,515,173, July 18.
Dilator and medicator, Rectal. F. R. Walker and F. H. Young. 2,499,045, Feb. 28.
Dilator, Surgical. O. Kraemer. 2,499,761, Mar. 7.
Diluter-demand pressure breathing oxygen valve. K. S. Scott. 2,516,151, July 25.
Diluting steam or moisture formed or released during regeneration of contact material. J. E. Evans. 2,500,938, Mar. 21.

Dilution of refrigerant gases. W. L. Morrison. 2,507,380, May 9.
Dimers of angelica lactone. H. Wolff and W. W. Moyer. 2,493,373, Jan. 3.
Dimers of angelica lactone, Hydrogenated. H. Wolff and W. W. Moyer. 2,493,374, Jan. 3.
Dimethine merocyanine dyes. L. G. S. Brooker and F. L. White. 2,494,031, Jan. 10.
Dimethylaminoalkylamino antihistiminic compounds. R. J. Horclois. 2,502,151, Mar. 28.
Dimethylaminoantipyrines, Production of. M. E. Bouvier. 2,525,518, Oct. 10.
Dimethylamino vitamin A, Production of. N. A. Milas. 2,507,802, May 16.
Dimethyl phthalate solution of acetyl peroxide as catalyst for trifluorochloroethylene polymerization. E. L. Kropa and J. J. Padbury. 2,531,134, Nov. 21.
Dimethyltolylchlorosilane, Production of. A. J. Barry and J. W. Gilkey. 2,500,652, Mar. 14.
Di-n-butylamino malonic acid-ethyl-diethylaminoethyl ester. R. Hirt. 2,494,875, Jan. 17.
Dinette, Portable baby. F. R. Higgins. 2,518,891, Aug. 15.
Dinitrile compound. I. D. Webb. 2,534,088, Dec. 12.
Dinitrohexachlorobutanes. G. J. Janz. 2,499,648, Mar. 7.
Di-n-oxides of amino-substituted acridines and quinolines. F. Linsker. 2,500,131, Mar. 7.
Di-N-substituted piperazine derivatives and preparing same. J. D. Malkemus and J. Ross. 2,508,653, May 23.
Di-N-substituted piperazine derivatives and preparing same. J. Ross and J. D. Malkemus. 2,508,652, May 23.
Diode detector, Push-pull. H. G. Earp. 2,509,337, May 30.
Diode for ultra high frequencies. D. G. Burnside. 2,505,095, Apr. 25.
Diol-diisocyanate high molecular polymerization products. H. Rinke, H. Schild, and W. Siefken. 2,511,544, June 13.
Diolefins and motor fuel from carbon monoxide and hydrogen, Production of. A. Clark. 2,506,065, May 2.
Di-organo peroxide. G. H. Denison, Jr., and J. E. Hanson. 2,522,016, Sept. 12.
Di-organo peroxides. M. R. Barusch, G. E. Langlois, and R. M. Schramm. 2,522,015, Sept. 12.
Dip process for coloring cadmium. J. E. Stareck. 2,524,577, Oct. 3.
Dipper for grooved drier drums. L. Hornbostel and J. E. Goodwillie. 2,521,371, Sept. 5.
Dipping and drying machine, Button. B. C. Eisenberg. 2,495,446, Jan. 24.
Dipping form, Metal-rubber. A. E. Sidnell. 2,503,358, Apr. 11.
Dipping machine. F. E. Coppock. 2,529,488, Nov. 14.
Dipping machine, Candle. C. T. Banks. 2,529,829, Nov. 14.
Diphenol compound composition for coccidiosis control. J. E. Johnson, Jr., and D. R. Mussell. 2,535,014–15, Dec. 19.
Diphenyl acetic acid, Preparing. H. R. Elkinton, G. Kesslin and L. Nicholl. 2,517,856, Aug. 8.
Diphenyl amine derivatives. A. L. Hollis. 2,530,769, Nov. 21.
Diphenylamine, Production of. G. A. Webb and R. H. Nimmo. 2,514,430, July 11.
Diphenyl-4,4'-di(sulfonyl azide). J. B. Ott. 2,518,249, Aug. 8.
Diphenyl halo-thiophene and fungicidal compositions containing the same. C. L. Moyle and L. R. Drake. 2,527,372, Oct. 24.
Diphenylolmethanes and derivatives thereof, Oxyalkylated. M. De Groote and B. Keiser. 2,499,360, Mar. 7.
Diphenyl sulfoxide, Production of. E. E. Gilbert and H. D. Segool. 2,499,822, Mar. 7.
Diphenyl - t - 6 - hydroxydehydroabietinol. H. H. Zeiss. 2,532,137, Nov. 28.
Diphosphoric esters, Making. L. W. Harris. 2,502,400, Mar. 28.
Diphosphoric esters, Manufacture of. L. W. Harris, G. R. Sanders, and J. W. Hansen. 2,502,401, Mar. 28.
Dipole, Telescoping. C. Ausenda. 2,509,717, May 30.
Dipyridinium derivatives of esterified oxyalkylated diphenylol methanes. M. De Groote and B. Keiser. 2,517,094, Aug. 1.
Direct current flat card resolver. R. Murdick. 2,531,150, Nov. 21.
Direct-current generator. H. Kocher. 2,516,220, July 25.
Direct-current generator. J. D. Miner, Jr. 2,519,272, Aug. 15.
Direct-current generator. J. D. Miner, Jr. 2,530,982, Nov. 21.
Direct-current machine. G. L. Godwin. 2,492,982, Jan. 3.
Direct-current motor. M. H. Fisher. 2,508,151, May 16.
Direct current to three-phase alternating current converter. W. McCandless. 2,523,993, Sept. 26.
Direct fired air heater. C. C. Owen. 2,518,364, Aug. 8.
Direct reading capacity meter. A. R. Doucette. 2,494,934, Jan. 17.
Direction determining and reverse operating means. A. V. Alvino. 2,531,719, Nov. 28.
Direction finder. B. F. Anthony. 2,499,446, Mar. 7.
Direction finder. M. K. Goldstein. 2,519,366, Aug. 22.
Direction finder. W. V. Roberts. 2,520,693, Aug. 29.
Direction finder, Automatic. F. W. Frink. 2,502,447, Apr. 4.
Direction finder, Radio. T. H. Clark. 2,524,768, Oct. 10.
Direction finder, Radio. C. W. Earp. 2,502,131, Mar. 28.
Direction finder, Radio. J. A. Herbst. 2,510,107, June 6.
Direction finder system. H. G. Busignies and G. R. Clark. 2,509,208, May 30.
Direction finder system. F. W. Frink. 2,523,288, Sept. 26.
Direction finder system. G. L. Pellegrinelli and M. Klein. 2,520,167, Aug. 29.
Direction finder, Transient signal. W. J. Kessler, O. Gano, and C. A. Moreno. 2,512,832, June 27.
Direction finding. E. C. Walsh. 2,533,299, Dec. 12.
Direction finding system. D. R. Goddard. 2,510,692, June 6.
Direction finding system. P. G. Hansel. 2,494,553, Jan. 17.
Direction finding system. A. G. Richardson and F. O. Chesus. 2,528,549, Nov. 7.
Direction finding system, Radio. J. E. Browder. 2,524,758, Oct. 10.
Direction signal switch. R. O. Holzworth. 2,510,176, June 6.
Directional control blasting wheel. E. A. Lehman. 2,507,166, May 9.
Directional control of propulsive jets. C. B. Smith. 2,526,510, Oct. 17.
Directive radiant energy object locating system. F. G. Patterson. 2,513,962, July 4.
Director, Artillery. W. H. Boghosian, S. Darlington, and H. G. Och. 2,493,183, Jan. 3.
Director, Breeze. N. B. Beard. 2,499,127, Feb. 28.
Director sight. J. M. Dickison. 2,504,115, Apr. 18.
Diribofiavin ester of pyrophosphoric acid and its preparation. P. J. Breivogel. 2,535,385, Dec. 26.
Disappearing refuse holder. D. Marini. 2,530,336, Nov. 14.
Disassembling apparatus. J. J. Kling. 2,515,046, July 11.
Discharge apparatus, Hopper car. W. F. Bankauf and C. J. Harrington. 2,504,789, Apr. 18.
Discharge control, Adjustable head liquid. R. H. Pyle. 2,523,634, Sept. 26.
Discharge control and counting unit, Vane type. L. T. Cookson and W. G. Klettke. 2,518,868, Aug. 15.
Discharge control for railway cars, Hopper. C. L. Eksergian. 2,514,040, July 4.
Discharge control means, Inertia operated. P. H. McDermott. 2,494,052, Jan. 10.
Discharge device. J. W. Carlson. 2,517,083, Aug. 1.
Discharge device and associated circuits, Electron. A. V. Haeff. 2,515,997, July 18.
Discharge device and control circuits therefor, Light sensitive electric. E. D. McArthur. 2,504,713, Apr. 18.
Discharge device and electrode therefor, Electric. L. B. Johnson. 2,499,506, Mar. 7.
Discharge device and system therefor, High-frequency electric. J. E. Beggs. 2,514,925, July 11.
Discharge device, Carbonated liquid. E. L. Wolf. 2,517,154, Aug. 1.
Discharge device, Coaxial electron. H. Johnson 2,506,644, May 9.
Discharge device, Electric. E. B. Power. 2,504,581. Apr. 18.
Discharge device, Electric. R. L. Vance. 2,515,361, July 18.
Discharge device, Electrical. W. G. Mayer. 2,495,274, Jan. 24.
Discharge device, Electrical. K. M. Van Gessel. 2,508,979, May 23.
Discharge device, Electron. N. C. Barford. 2,506,627, May 9.
Discharge device, Electron. D. V. Edwards and D. C. Winters. 2,512,617, June 27.
Discharge device, Electron. D. V. Edwards and W. G. Brown. 2,512,619, June 27.
Discharge device, Electron. A. V. Haeff. 2,515,998, July 18.
Discharge device, Electron. H. R. Hegbar. 2,512,858, June 27.
Discharge device, Electron. W. W. Rigrod and E. Pawlishen, deceased, by J. Pawlishen, administrator. 2,495,289, Jan. 24.
Discharge device, Electron. P. L. Spencer. 2,501,196, Mar. 21.
Discharge device, Electron. H. L. Steele, Jr. 2,530,185, Nov. 14.
Discharge device, Electronic. J. A. Rajchman. 2,494,670, Jan. 17.
Discharge device, Fluid-cooled electric. K. C. De Walt. 2,513,920, July 4.
Discharge device for valves, Safety. J. H. Stroop. 2,516,159, July 25.
Discharge device, Gaseous. C. G. Smith. 2,502,236, Mar. 28.
Discharge device, Gaseous electronic. P. R. Menzel, V. L. Ronci, and R. L. Vance. 2,508,529, May 23.
Discharge device, High-frequency electronic. D. A. S. Hale and R. J. Kircher. 2,531,623, Nov. 28.
Discharge device, Magnetically controlled electric. J. D. Cobine. 2,522,209, Sept. 12.
Discharge device, Metal envelope electric. W. T. Posey. 2,499,197, Feb. 28.
Discharge device of the indicator type, Electric. F. M. Bailey. 2,513,908, July 4.

Discharge device of the velocity modulation type, Electron. L. J. Davies, L. Rushforth, W. D. Sinclair, and C. J. Milner. 2,512,887, June 27.
Discharge device, Self-protecting electric. D. M. Duinker and J. G. W. Mulder. 2,504,310, Apr. 18.
Discharge device, Shock-resistant metal-walled. H. N. Price. 2,523,056, Sept. 19.
Discharge device, Thermionic. G. C. Rich. 2,495,908, Jan. 31.
Discharge device utilizing cavity resonators, Electron. L. S. Nergaard. 2,501,534, Mar. 21.
Discharge device with auxiliary electrode, Electric. A. Latour and R. Chambrillon. 2,508,954, May 23.
Discharge hopper. G. R. Wadleigh. 2,515,166, July 11.
Discharge means for coke ovens. G. Padgett. 2,529,046, Nov. 7.
Discharge means for receptacle closure cap hoppers. J. C. and W. H. Johnson. 2,506,791, May 9.
Discharge mechanism for dehydrators. J. M. Hall. 2,503,233, Apr. 4.
Discharge mechanism for endless conveyers. N. S. Edberg. 2,523,947, Sept. 26.
Discharge structure for hammer mills, Material. J. R. Hall. 2,500,031, Mar. 7.
Discharge tube. F. Coeterier. 2,508,228, May 16.
Discharge tube. J. L. H. Jonker and E. G. Dorgelo. 2,530,167, Nov. 14.
Discharge tube comprising a directional electron beam, Electric. J. de Gier. 2,523,099, Sept. 19.
Discharge tube control, Electronic. G. A. Bonadio. 2,533,760, Dec. 12.
Discharge tube system, Gaseous. N. B. Wales, Jr. 2,524,213, Oct. 3.
Discharge tubes, Beam type of electron. R. R. Syrdal. 2,505,261, Apr. 25.
Discharging apparatus. M. Tama. 2,520,348, Aug. 29.
Discharging vaporizable liquids, Process and apparatus for. R. Baker and J. C. Fleming. 2,497,754, Feb. 14.
Disconnect for reciprocating control rods, Reconnectable. N. B. Murphy. 2,516,642, July 25.
Disconnect means for auxiliaries, Emergency. J. Dineen. 2,509,813, May 30.
Disconnect of supply lines, Pilot's quick. J. R. Sabbia. 2,494,005, Jan. 10.
Disconnect switch. O. Jensen. 2,517,435, Aug. 1.
Disconnect switch. P. R. Pierson. 2,495,181, Jan. 17.
Disconnector for electrical systems, Quick. K. E. Lyman. 2,496,732, Feb. 7.
Disconnector for suction cleaners, Electrical agitator. W. D. Sellers. 2,502,674, Apr. 4.
Discriminator and apparatus, Ultra high frequency. W. W. Hansen and V. R. Learned. 2,502,456, Apr. 4.
Discriminator, Asymmetrical. W. H. Forster. 2,494,751, Jan. 17.
Discriminator circuit. P. B. Sebring and H. Brooks. 2,495,023, Jan. 17.
Discriminator, Pulse width. C. H. Hoeppner. 2,534,264, Dec. 19.
Discriminator with maximum interval gate, Electronic pulse time interval. N. F. Thompson. 2,499,613, Mar. 7.
Dish and faucet, Combination soap. E. C. Swilik. 2,507,943, May 16.
Dish, Child's serving. E. Rubin. 2,514,094, July 4.
Dish, Soap. W. F. Blake. 2,501,256, Mar. 21.
Dishwasher. M. P. Cress. 2,501,887, Mar. 28.
Dishwasher. F. W. Kent. 2,513,566–7, July 4.
Dishwasher. W. R. Spaulding. 2,514,100, July 4.
Dishwashing apparatus. F. W. Kent. 2,514,000, July 4.
Dishwashing device. C. M. Dabrohua. 2,514,225, July 4.
Dishwashing machine. P. M. Pappas. 2,493,691, Jan. 3.
Dishwashing machine having an extensible rotary brush for receptacles. L. A. Loeb. 2,532,925, Dec. 5.
Dish-washing machine, Rotary. C. A. Philippi. 2,504,726, Apr. 18.
Disher, Ice cream. S. Bloomfield. 2,498,331, Feb. 21.
Disilmethylene compounds and hydrolysis products, Trifunctional. H. A. Clark. 2,507,517, May 16.
Disinfectant device, Shoe. J. E. Malberg. 2,510,315, June 6.
Disinfecting and deodorizing device for toilets. J. L. Pozun. 2,515,569, July 18.
Disinfecting and deodorizing device for toilets. J. L. Pozun. 2,520,056, Aug. 22.
Disintegrating device, Metal. C. D. Tucker. 2,495,038, Jan. 17.
Disintegration of solids. J. I. Yellott. 2,515,542, July 18.
Disintegrator, Leaf. A. Bjorklund. 2,528,942, Nov. 7.
Disintegrator of laboratory test size for wet disintegration of cellulosic pulp samples. R. M. Levy and W. D. Harrison. 2,535,302, Dec. 26.
Disintegrator, Pump. W. Rymann. 2,496,359, Feb. 7.
Disk and pin game. L. Flenghi. 2,520,392, Aug. 29.
Disk and vaned rotary hoe. E. F. Pitre. 2,529,417, Nov. 7.
Disk assembly for tamping rollers. J. C. Renault. 2,526,158, Oct. 17.
Disk, Astrological clock. S. Terry. 2,527,777, Oct. 31.
Disk attachment for plow wheels, Trash cutting. G. W. Hollandsworth. 2,508,113, May 16.
Disk blade grinder, Automatic. C. R. Van Allen. 2,528,193, Oct. 31.
Disk brake. N. H. Smith. 2,523,598, Sept. 26.
Disk brake with compensating piston, Fluid pressure operated. B. E. Clark. 2,533,093, Dec. 5.
Disk chance device, Rotatable. G. W. McKay. 2,523,911, Sept. 26.
Disk, Direction locating. G. J. Schloer. 2,508,894, May 23.
Disk for drawing pencils, Guiding. J. F. Fitzgerald. 2,496,086, Jan. 31.
Disk for shuffleboard tables, Magnetic. C. Metz. 2,530,896, Nov. 21.
Disk for supporting axles in movements of timepieces, Thrust. F. Meyer. 2,523,873, Sept. 26.
Disk for typewriters, Ribbon. I. G. H. von Kraemer. 2,506,255, May 2.
Disk for watthour meters and the like, Induction. J. Prince and M. Whitehead. 2,529,571, Nov. 14.
Disk, Friction. J. G. Martin. 2,531,696, Nov. 28.
Disk harrow. R. H. Mitchell and W. R. McKay. 2,506,807, May 9.
Disk harrow. C. H. White. 2,527,607, Oct. 31.
Disk harrow mover. J. H. Alphin, Jr. 2,517,160, Aug. 1.
Disk mill with cooperating ribbed plates, Radial. M. E. Ginaven. 2,510,970, June 13.
Disk, Phonograph record. F. H. Barnhart. 2,503,609, Apr. 11.
Disk, Plotting. H. C. Watson. 2,527,691, Oct. 31.
Disk plow, Ditchbank. F. J. Martin. 2,533,129, Dec. 5.
Disk record and film record sound reproducer. F. H. Owens. 2,519,597, Aug. 22.
Disk sharpener. C. R. Harsh. 2,533,009, Dec. 5.
Disk, Sound record. T. F. Saffady. 2,528,610, Nov. 7.
Disk type of rotary bit. S. M. Akeyson. 2,526,838, Oct. 24.
Disk with detachable type, Printing. J. Weimont. 2,519,008, Aug. 15.
Disks for separating potatoes from debris, Rotatable. N. A. Talmage. 2,494,417, Jan. 10.
Dispenser: *See*—
Acid dispenser.
Adhesive tape dispenser.
Article dispenser.
Ash dispenser.
Batter dispenser.
Beverage dispenser.
Calking material dispenser.
Candle residue dispenser.
Cartridge dispenser.
Catchup dispenser.
Catsup dispenser.
Chip dispenser.
Cigarette dispenser.
Cleaning agent dispenser.
Coin controlled dispenser.
Colostomy stool dispenser.
Container dispenser.
Controllable aromatic dispenser.
Cosmetic dispenser.
Fishing leader dispenser.
Game marker dispenser.
Grease dispenser.
Gummed tape dispenser.
Ice-cream cone dispenser.
Ink bottle dispenser.
Lather dispenser.
Liquid dispenser.
Liquid-measuring dispenser.
Liquid soap dispenser.
Match dispenser.
Measuring dispenser.
Medicament dispenser.
Merchandise dispenser.
Metering tape dispenser.
Milk strainer pad dispenser.
Multiple fluid dispenser.
Napkin dispenser.
Pad dispenser.
Paper cup dispenser.
Paper roll dispenser.
Paste dispenser.
Perfume dispenser.
Phonograph record dispenser.
Plastic refill wax paper dispenser.
Pocketbook soap dispenser.
Portable gas dispenser.
Powder dispenser.
Refrigerated ball dispenser.
Refrigerated juice dispenser.
Roll toilet paper dispenser.
Rolled paper dispenser.
Rotary pill dispenser.
Salt dispenser.
Shaker dispenser.
Single dose dispenser.
Soap dispenser.
Soda water dispenser.
Solvent or disinfectant dispenser.
Stick dispenser.
Sugar dispenser.
Tablet dispenser.
Tape dispenser.
Toilet paper dispenser.
Toilet powder dispenser.
Toothpick dispenser.
Twisting type collapsible tube dispenser.
Dispenser. L. R. Benedict. 2,496,193, Jan. 31.
Dispenser. F. R. Chester. 2,507,557, May 16.
Dispenser. L. S. Houghton and K. W. Ellis. 2,517,206, Aug. 1.
Dispenser. W. S. Tandler, D. S. Walker, and F. A. de Weiss. 2,500,437, Mar. 14.
Dispenser and applier, Adhesive tape. B. H. Locke and H. A. Johnson. 2,515,130, July 11.
Dispenser and applier, Tape. S. H. Bobrov. 2,532,596, Dec. 5.
Dispenser and brush holder, Combination paste. C. C. Cole. 2,500,520, Mar. 14.
Dispenser and coin-actuated valve mechanism therefor, Casing-supported liquid. D. E. McDonald. 2,507,642, May 16.
Dispenser and counter, Drink. J. J. Morrone. 2,504,145, Apr. 18.
Dispenser and mulcher, Adjustable grass. H. K. Elliott and T. J. Johnston. 2,517,855, Aug. 8.
Dispenser and mulcher, Grass. H. K. Elliott and T. J. Johnston. 2,517,184, Aug. 1.
Dispenser and the like, Soda straw. J. H. Butler. 2,521,447, Sept. 5.
Dispenser cigarette case. S. Kassovic. 2,506,600, May 9.
Dispenser cigarette case. S. Kassovic. 2,509,150, May 23.

Dispenser combined with flush tank, Tissue. B. H. Locke. 2,500,463, Mar. 14.
Dispenser device and deaerator, Liquid. E. E. Vincent and W. H. De Lancey. 2,511,554, June 13.
Dispenser drawer type, Selective measuring. J. A. Lundeen. 2,527,749, Oct. 31.
Dispenser for bottles, with plunger-actuated reciprocating valve, Detachable. C. F. Anderson. 2,517,161, Aug. 1.
Dispenser for canned liquids. J. M. Hemovich. 2,519,759, Aug. 22.
Dispenser for cattle, Molasses. E. C. Peters and J. J. English. 2,519,322, Aug. 15.
Dispenser for clothes-washing machines, Powdered soap. T. T. Woodson. 2,523,800, Sept. 26.
Dispenser for collapsible containers. H. Lingdell. 2,495,464, Jan. 24.
Dispenser for collapsible tubes, Paste. J. E. Flynn and J. J. Harper, Jr. 2,502,081, Mar. 28.
Dispenser for deodorant. R. W. Landau. 2,520,368, Aug. 29.
Dispenser for filling icecream containers and the like, Measuring. K. P. Herbold. 2,510,576, June 6.
Dispenser for granulated material, Measuring. O. T. Burnham. 2,500,059, Mar. 7.
Dispenser for granulated or powdered material. H. C. Law. 2,505,412, Apr. 25.
Dispenser for liquid soaps and the like. C. J. Green. 2,507,901, May 16.
Dispenser for paper cups and the like. A. A. Perelman. 2,496,812, Feb. 7.
Dispenser for papers and the like. F. C. Ransom. 2,533,623, Dec. 12.
Dispenser for plumbing fixtures, Soap. L. Levy. 2,533,380, Dec. 12.
Dispenser for powdered material. J. de Swart. 2,508,939, May 23.
Dispenser for salmon eggs and the like. G. I. Griffith. 2,518,986, Aug. 15.
Dispenser for salt or the like. E. Lappé, Jr. 2,529,472, Nov. 7.
Dispenser for shaving brushes, Soap. A. H. Stange. 2,496,181, Jan. 31.
Dispenser for sheets. E. G. Gantner and D. James. 2,504,515, Apr. 18.
Dispenser for shortening having an extruding piston operatively connected to the closure for the dispensing opening. R. T. Osman. 2,533,282, Dec. 12.
Dispenser for solids and sheets. A. A. Sambito. 2,511,600, June 13.
Dispenser for straws and the like. V. W. Safranski. 2,504,733, Apr. 18.
Dispenser for tape. M. B. Andrews. 2,535,621, Dec. 26.
Dispenser having a cutoff valve actuated by a tooth bush, Tooth paste. J. M. Miller. 2,528,662, Nov. 7.
Dispenser having a cylindrical chamber and a rotary measuring element mounted therein, Measuring. A. C. Broun. 2,518,520, Aug. 15.
Dispenser having a rotatably positionable register, Liquid fuel. J. B. Moore. 2,499,031, Feb. 28.
Dispenser having a screw feed with terminal outlet and closure. D. S. Curtis. 2,527,876, Oct. 31.
Dispenser mechanism. C. C. Bauerlein. 2,509,124, May 23.
Dispenser of plastic, Complete wax paper. C. B. Russell. 2,509,843, May 30.
Dispenser with casing, Tube. F. M. Brown. 2,500,274, Mar. 14.
Dispenser with garment support suspended underneath, Garment bag magazine. A. C. Johnston. 2,497,263, Feb. 14.
Dispenser with gas pressure supplying reservoir within the supply container, Fluid pressure. W. R. Kromer. 2,514,773, July 11.
Dispenser with open valve latching means, Liquid. W. J. O'Brien. 2,526,040, Oct. 17.
Dispenser with supply container locking device. B. B. Gilmore. 2,520,003, Aug. 22.
Dispenser with timer-actuated draining and refilling means, Measuring. R. R. Kaufman. 2,507,255, May 9.
Dispensing and container covering apparatus, Confection. H. W. Grau. 2,520,242, Aug. 29.
Dispensing and measuring the quantity of liquefied gases. R. M. Thayer. 2,502,184, Mar. 28.
Dispensing and vending machine. W. S. Tandler, D. S. Walker, and F. A. de Weiss. 2,500,438, Mar. 14.
Dispensing apparatus. W. A. Black. 2,529,672, Nov. 14.
Dispensing apparatus. B. G. Copping. 2,530,045, Nov. 14.
Dispensing apparatus. R. W. Earley and E. S. Wegman. 2,497,718, Feb. 14.
Dispensing apparatus. J. H. Goldberg. 2,527,250, Oct. 24.
Dispensing apparatus. N. C. Moore. 2,523,711, Sept. 26.
Dispensing apparatus. L. A. Quayle. 2,507,269, May 9.
Dispensing apparatus, Beverage. O. L. Engstrom. 2,534,504, Dec. 19.
Dispensing apparatus, Beverage. R. A. Nicholson. 2,532,118, Nov. 28.
Dispensing apparatus, Beverage. E. S. Wegman. 2,520,380, Aug. 29.
Dispensing apparatus, Coin. W. J., A. J., and W. V. Weirich. 2,532,976, Dec. 5.
Dispensing apparatus for carbonated beverages, Liquid. J. A. Grow, Jr. 2,527,927, Oct. 31.
Dispensing apparatus for dispensing measured amounts of granular material. L. A. Corkins. 2,532,698, Dec. 5.
Dispensing apparatus for heating and dispensing highly viscous liquids, Portable. W. G. Chausse. 2,506,412, May 2.
Dispensing apparatus for plastic sealing compositions. W. F. Middlestadt. 2,530,777, Nov. 21.
Dispensing apparatus, Fluid. J. C. Woodford and D. S. Willson. 2,513.701, July 4.
Dispensing apparatus, including repeating stop mechanism, Liquid. H. E. Marvel. 2,504,433, Apr. 18.
Dispensing apparatus, Liquefied gas. O. R. Anderson. 2,497,969, Feb. 21.
Dispensing apparatus, Liquid. K. C. Bugg. 2,530,113, Nov. 14.
Dispensing apparatus, Liquid. C. F. Prangley. 2,511,006, June 13.
Dispensing apparatus, Liquid. C. W. Sundberg. 2,512,395, June 20.
Dispensing apparatus, Liquid. R. M. Wilson. 2,508,054, May 16.
Dispensing apparatus, Merchandise. M. H. Voigtritter. 2,531,347, Nov. 21.
Dispensing apparatus of the extensible hose type, Liquid. J. A. Logan. 2,504,269, Apr. 18.
Dispensing apparatus, Powder. R. E. Duce. 2,526,735, Oct. 24.
Dispensing attachment for liquid container neck, having a reciprocable measuring trap combined with a dispensing valve. E. Gronemeyer and S. Cherba. 2,530,012, Nov. 14.
Dispensing cap. N. S. Sodders. 2,512,813, June 27.
Dispensing closure. T. J. D. Russell. 2,529,817, Nov. 14.
Dispensing container. D. C. Clarke. 2,502,311, Mar. 28.
Dispensing container. E. B. Duell. 2,510,389, June 6.
Dispensing container. F. S. Elsaesser. 2,527,178, Oct. 24.
Dispensing container. J. O. Lundberg. 2,511,442, June 13.
Dispensing container. T. H. Richter. 2,530,730, Nov. 21.
Dispensing container. H. C. Schloer. 2,531,300, Nov. 21.
Dispensing container. E. E. Vomacka. 2,505,697, Apr. 25.
Dispensing container for dusts. A. C. Keyl. 2,522,621, Sept. 19.
Dispensing device. T. H. Carpenter. 2,528,945, Nov. 7.
Dispensing device. A. Turak. 2,508,308, May 16.
Dispersing device. W. E. Wanner. 2,503,228, Apr. 4.
Dispensing device, Ammunition. A. Johnson. 2,503,741, Apr. 11.
Dispensing device and hand drier, Combination soap. L. L. Siegel. 2,504,740, Apr. 18.
Dispensing device, Article. W. S. Connell. 2,500,664, Mar. 14.
Dispensing device, Bag. J. Lindstrom and B. C. Case. 2,522,386, Sept. 12.
Dispensing device, Beverage. J. V. Oliveau. 2,533,281, Dec. 12.
Dispensing device, Dentifrice. A. Mauro and J. J. Shanahan. 2,521,928, Sept. 12.
Dispensing device, Drink. T. B. Chace. 2,508,492, May 23.
Dispensing device, Drink. J. L. Dole. 2,519,235, Aug. 15.
Dispensing device for bait. D. L. Davis. 2,498,795, Feb. 28.
Dispensing device for calking material and the like. W. A. Sherbondy. 2,499,610, Mar. 7.
Dispensing device for calking material and the like. W. A. Sherbondy. 2,512,178, June 20.
Dispensing device for carbon paper rolls, Sheet. B. H. Wimer. 2,496,080, Jan. 31.
Dispensing device for containers, Expansible. A. H. Jenson. 2,518,145, Aug. 8.
Dispensing device for table salt and the like. A. Hammerstein. 2,525,409, Oct. 10.
Dispensing device, Hydraulically operated liquid. A. R. Burgess. 2,503,376, Apr. 11.
Dispensing device, Liquid. P. Brauner. 2,502,821, Apr. 4.
Dispensing device, Liquid. J. W. Muenze. 2,497,134, Feb. 14.
Dispensing device, Liquid soap. E. L. Kish and M. L. Pules. 2,514,769, July 11.
Dispensing device, Merchandise. M. Rifkin and S. E. Webster. 2,522,896, Sept. 19.
Dispensing device, Self-closing. C. Herzog. 2,520,684, Aug. 29.
Dispensing fluidized pulverulent materials. R. H. Hall and D. M. McKim. 2,509,431, May 30.
Dispensing hose and associated mechanism, Extensible gasoline. H. H. Wolfe. 2,511,391, June 13.
Dispensing machine. B. H. Baird. 2,522,770, Sept. 19.
Dispensing machine. G. M. Huheey and W. J. Whitacre. 2,521,458, Sept. 5.
Dispensing machine. J. F. Kosla. 2,516,005, July 18.
Dispensing machine. L. Steiner. 2,522,316, Sept. 12.
Dispensing machine, Article. R. Balzer. 2,496,689, Feb. 7.
Dispensing machine, Coin-controlled bottle. J. B. Brock. 2,523,677, Sept. 26.
Dispensing machine for ice cream and sherberts. D. C. Maddux. 2,534,782, Dec. 19.
Dispensing machine for paper cups and the like. H. Carew and W. M. Mack. 2,517,532, Aug. 8.
Dispensing machine, Ice-cube. F. A. Hurley. 2,510,400, June 6.

Dispensing machine, Liquid. N. P. Holcomb and J. C. Rothwell. 2,531,938, Nov. 28.
Dispensing machine, Phonograph disk record. G. W. Ziegler. 2,516,823, July 25.
Dispensing machine, Tape. W. F. Roper. 2,518,069, Aug. 8.
Dispensing machine with means for controlling the pressure at point of discharge, Liquid. J. E. Socke. 2,520,175, Aug. 29.
Dispensing means for shaving brushes, Automatic. F. H. and W. F. Swift. 2,521,882, Sept. 12.
Dispensing means for toothbrushes, Paste. D. Lamonde. 2,527,741, Oct. 31.
Dispensing of liquids. N. M. Nesset. 2,500,199, Mar. 14.
Dispensing or sifting package. C. H. Letsch. 2,516,471, July 25.
Dispensing package. F. L. Broeren and G. W. Holt, Jr. 2,522,253, Sept. 12.
Dispensing package, Ice cream. J. S. Miller. 2,519,271, Aug. 15.
Dispensing package of tablets and the like. C. Nicolle. 2,515,378, July 18.
Dispensing pump apparatus. V. A. von Haase. 2,522,652, Sept. 19.
Dispensing receptacle. A. H. Hunter. 2,506,833, May 9.
Dispensing spout and slidable resilient sleeve closure. E. H. Zumdahl. 2,516,040, July 18.
Dispensing system, Article. G. F. Chodziesner. 2,501,712, Mar. 28.
Dispensing system, Article. T. S. Skillman. 2,535,461, Dec. 26.
Dispensing system, Fluid. H. C. Grant, Jr., and W. M. Haessler. 2,502,452, Apr. 4.
Dispensing system for liquefied gases. T. H. Duff. 2,516,761, July 25.
Dispensing system, Liquefied gas. L. J. White. 2,493,708, Jan. 3.
Dispensing system, Liquefied petroleum gas. H. L. Norway. 2,499,409, Mar. 7.
Dispensing unit, Portable tablet. A. Burns. 2,493,616, Jan. 3.
Disperser and applier, Tape. S. H. and S. A. Bobrov. 2,532,597, Dec. 5.
Dispersing an aeriform body in a liquid body, Process of and apparatus for. G. E. Haddeland and D. J. Kennedy. 2,521,215, Sept. 5.
Dispersion of phenyl beta naphthylamine and the like, Stable. A. P. Giraitis and K. J. Whittet. 2,510,882, June 6.
Dispersion of pigments in ethylene polymers. G. E. Hamilton. 2,512,459, June 20.
Dispersion separation. M. Kilpatrick. 2,521,121, Sept. 5.
Dispersions containing solid polymers of ethylene, Production of. F. Dawson. 2,496,907, Feb. 7.
Dispersions of reaction products of halogenated paraffins and alkaline polysulfides, Production of. H. Eilers, J. Overhoff, and J. C. Vlugter. 2,496,227, Jan. 31.
Dispersions of reaction products of halogenated paraffins and alkaline polysulfides, Production of. J. Overhoff and H. W. Huyser. 2,496,226, Jan. 31.
Displacement mechanism. J. Mikulasek. 2,494,100, Jan. 10.
Displacement pump. R. E. Sykes. 2,532,247, Nov. 28.
Displacing, swinging, and adjusting plates in relation to shears. J. T. Brogren and J. F. Larsson. 2,515,548. July 18.
Display and advertising apparatus. H. V. Conroy. 2,535,484. Dec. 26.
Display and dispensing device. F. W. Winton. 2,519,949, Aug. 22.
Display apparatus. C. W. Freeman. 2,504,318, Apr. 18.
Display apparatus. C. U. Johnson. 2,507,857, May 16.
Display apparatus. F. R. Rambo and M. Angelo. 2,498,297, Feb. 21.
Display apparatus for visualizing manufacturing procedures, Progressive. F. A. Lovshin and W. W. Bayley. 2,512,500, June 20.
Display arrangement for an aircraft-coordinating system. J. O. Mesa. 2,524,987, Oct. 10.
Display arrangement for electric oscillographs. R. F. Cleaver. 2,510,074, June 6.
Display binder. E. W. Ericson. 2,523,202, Sept. 19.
Display box. G. A. Moore. 2,515,887, July 18.
Display box. L. D. Young. 2,504,942, Apr. 18.
Display cabinet. H. R. Denton. 2,502,076, Mar. 28.
Display cabinet. J. E. Gauvreau. 2,517,420, Aug. 1.
Display carrier. V. F. Detweiler. 2,530,231, Nov. 14.
Display case. L. H. Gustafson and D. B. Harter. 2,507,303, May 9.
Display case and spray system, Refrigerated vegetable. J. S. Booth. 2,533,913, Dec. 12.
Display case having humidifying means, Refrigerated. H. Geneck. 2,531,506, Nov. 28.
Display container. H. L. Myers. 2,527,028, Oct. 24.
Display container. R. E. Paige. 2,521,184. Sept. 5.
Display container. R. I. Promisel. 2,496,918, Feb. 7.
Display container. M. I. Williamson. 2,532,216, Nov. 28.
Display counter top. H. O. Oatis and R. F. Yantis. 2,534,620, Dec. 19.
Display device. R. H. Arbib. 2,503,988, Apr. 11.
Display device. G. D. Fleak. 2,527,803, Oct. 31.
Display device. H. H. Hutt. 2,498,855, Feb. 28.
Display device. E. G. Koch. 2,496,221, Jan. 31.
Display device. E. E. Michaelis. 2,500,318, Mar. 14.
Display device. A. P. Selover. 2,509,535, May 30.
Display device. C. M. and M. W. Sisk. 2,531,002, Nov. 21.
Display device, Advertising. E. F. Hall and A. J. Lageson. 2,511,980, June 20.
Display device, Animated. F. E. Leahan. 2,500,899, Mar. 14.
Display device, Animated. J. Muri. 2,513,100, June 27.
Display device, Animated. A. E. Reitz. 2,530,729, Nov. 21.
Display device, Bubbling fluid ornamental. A. Tiscione. 2,530,794, Nov. 21.
Display device, Changeable. H. Hirschhorn. 2,509,059, May 23.
Display device, Clock. F. Burchell. 2,506,134, May 2.
Display device, Collapsible cardboard. L. Ebert and R. Benchley, Jr. 2,530,950, Nov. 21.
Display device, Curved score. R. E. Paige. 2,509,397, May 30.
Display device for advertisements. N. Bennett. 2,525,199, Oct. 10.
Display device for advertisements. F. L. Wertz. 2,514,816, July 11.
Display device for dispensing containers, Advertising. F. Cossa. 2,521,449, Sept. 5.
Display device for house numbers and the like. J. Mitchell. 2,511,411, June 13.
Display device for merchandise. W. Schnewind. 2,510,759, June 6.
Display device having a loose-leaf binder for suspending charts. F. M. Stader. 2,504,355, Apr. 18.
Display device having removable nonrigid panel. J. M. Eichelman. 2,533,565, Dec. 12.
Display device, Illusory. G. H. Dowsing. 2,526,546, Oct. 17.
Display device, Ornamental. H. H. Gratiot. 2,531,937, Nov. 28.
Display device, Rug. W. M. Mansfield. 2,526,823, Oct. 24.
Display device, Skirt. G. A. Scherquist. 2,509,578, May 30.
Display device, Tumble. H. W. Alton. 2,502,693, Apr. 4.
Display device with intermittently rotated neon signs, Advertising. J. Stadtmiller. 2,526,514, Oct. 17.
Display form, Inflatable. E. Barbera. 2,529,125, Nov. 7.
Display holder. J. S. McCargo. 2,512,957, June 27.
Display package and tray. G. A. Moore. 2,533,738, Dec. 12.
Display rack. R. J. Broersma. 2,532,600, Dec. 5.
Display sign. C. W. Krueger. 2,527,679, Oct. 31.
Display sign. A. H. Luitjens and J. S. Stoner. 2,504,556, Apr. 18.
Display sign. E. T. Peterson. 2,496,747, Feb. 7.
Display sign. L. C. Rankin. 2,506,683, May 9.
Display sign. S. L. Sheldon. 2,514,808, July 11.
Display sign. E. Wagner. 2,508,553, May 23.
Display stand. F. A. Remke. 2,514,795, July 11.
Display stand. P. M. Ressinger. 2,503,413, Apr. 11.
Display stand. C. Richards. 2,528,388, Oct. 31.
Display stand. M. Sprechmann. 2,519,711, Aug. 22.
Display structure with supporting easel. M. I. Williamson. 2,507,947, May 16.
Display support. W. R. Gunderson. 2,532,022, Nov. 28.
Display system, Store window. G. R. Davis. 2,517,181, Aug. 1.
Display unit, Luminous. G. P. R. Clark. 2,515,820, July 18.
Display with animation effects. F. Hotchner. 2,507,788, May 16.
Displays, Making novelty. J. E. Feldman. 2,498,074, Feb. 21.
Disposal apparatus, Wood waste. G. A. Boughman. 2,496,146, Jan. 31.
Disposal of mixtures of metallic sodium and calcium. F. L. Padgitt. 2,527,443, Oct. 24.
Disposal of waste cyanide. R. M. Wagner. 2,520,703, Aug. 29.
Disposal of waste pickle liquor. S. S. Heide. 2,532,548, Dec. 5.
Disposal unit and power head therefor, Garbage. D. Smith. 2,508,583, May 23.
Disposal unit, Garbage or refuse. D. C. Myers. 2,500,466, Mar. 14.
Disposing of corrosive gases. W. B. Burford, III, and H. C. Anderson. 2,515,112, July 11.
Disposing of fumes containing sulfuric acid. J. L. Walker. 2,522,475, Sept. 12.
Disproportionation of alkoxysilanes. C. R. Hance and G. H. Wagner. 2,530,367, Nov. 21.
Disproportionation of organic disulfides. W. A. Proell. 2,521,870. Sept. 12.
Dissector tube. B. M. Oliver. 2,505,060, Apr. 25.
Dissolution of regenerated cellulose with urea-alkali-stannate solvent. C. L. Mantell. 2,533,598. Dec. 12.
Dissolving apparatus. W. A. Horton. 2,502,726, Apr. 4.
Dissolving device for multiple projectors. C. M. Young. 2,530,417, Nov. 21.
Dissolving difficultly soluble metal sulfates. A. H. Angerman. 2,514,115, July 4.
Dissolving low viscosity diolefin polymers. S. Rodman. 2,495,135, Jan. 17.
Dissolving steel to obtain residue containing aluminum nitride. H. F. Beeghly. 2,526,841, Oct. 24.
Distance indicating system. R. B. Hoffman and P. R. Adams. 2,495,722, Jan. 31.

Distance per unit of fuel measure indicator. R. C. Sylvander. 2,500,585, Mar. 14.
Distillation. W. W. Kraft. 2,534,870, Dec. 19.
Distillation apparatus. D. Duffey. 2,508,234, May 16.
Distillation apparatus, Falling film. S. W. Ferris, E. R. Lamson, and D. M. Smith. 2,514,944, July 11.
Distillation apparatus, High vacuum. D. A. Feil. 2,525,025, Oct. 10.
Distillation apparatus, Guided free film. S. W. Ferris, E. R. Lamson, and D. M. Smith. 2,514,943, July 11.
Distillation apparatus, Vapor compression. E. R. Kruhmin. 2,515,013, July 11.
Distillation method and apparatus. K. L. Storrs. 2,525,051, Oct. 10.
Distillation of acetic anhydride from oxidation mixtures containing percompounds. R. H. Hall and K. H. W. Tuerck. 2,504,195, Apr. 18.
Distillation of alcohols from dibasic acid diesters. R. W. Miller and J. K. Wolfe. 2,522,529, Sept. 19.
Distillation of C_1—C_6 hydrocarbon mixtures. W. H. Rupp. 2,514,294, July 4.
Distillation of diolefins. R. Robertson. 2,513,252, June 27.
Distillation of fluorohydrocarbons. A. H. Friedman. 2,534,905, Dec. 19.
Distillation of hydrocarbons from sulfolanes, Azeotropic. A. E. Handlos and G. J. Pierotti. 2,496,207, Jan. 31.
Distillation of hydrocarbons with sulfur dioxide, Azeotropic. H. V. Hess. 2,493,537, Jan. 3.
Distillation of hydrocarbons with tetrahydrofuran, Azeotropic. M. W. Davidson. 2,506,858, May 9.
Distillation of isopropyl alcohol from diisopropylamine, Azeotropic. E. F. Smith. 2,512,584–5, June 20.
Distillation of 1-butanol from methyl n-butyl ketone, Azeotropic. A. Steitz, Jr. 2,500,329, Mar. 14.
Distillation of polymerizable diolefins. S. W. Wilson. 2,510,847, June 6.
Distillation of secondary butyl alcohol from methyl ethyl ketone, Extractive. W. S. Harney, Jr., and S. Schneider. 2,511,847, June 20.
Distillation of stock containing fatty acid and the like, Method of and apparatus for. F. B. White and M. Strawn. 2,521,766, Sept. 12.
Distillation of toluene, Azeotropic. H. C. Reed and B. M. Holt. Re. 23,262, Aug. 22.
Distillation of turpentine, Flash. N. C. McConnell, L. W. Mims, H. P. Poole, and H. R. Lanier. 2,500,194, Mar. 14.
Distillation of vegetable matter with caustic and lime, Destructive. J. Urison, P. de Calignon, and G. Pingard. 2,495,396, Jan. 24.
Distillation of vinyl aromatic compounds, Azeotropic. J. W. Churchill. 2,527,916, Oct. 31.
Distillation of volatile monomeric materials from aqueous polymer dispersions while reducing foam formation by the presence of acetic acid. D. Craig. 2,500,894, Mar. 14.
Distillation of water-immiscible solvents from proteinaceous residues. H. F. Saunders and H. F. Larson. 2,502,485, Apr. 4.
Distillation process, Extractive. R. C. Woerner. 2,494,274, Jan. 10.
Distillation process for separating the azeotropic distillate mixture of allyl alcohol and allyl acetate, Extractive. D. E. Adelson and T. W. Evans. 2,500,596, Mar. 14.
Distilling column and the like. G. A. Dalin. 2,520,494, Aug. 29.
Distilling polymer-forming hydrocarbons and removing polymer from distillation equipment. B. S. Garrett, 2,534,013, Dec. 12.
Distortion analysis. J. M. Callan. 2,511,564, June 13.
Distortion correction for steam engine valve gears. R. W. Gregson. 2,525,896, Oct. 17.
Distributing apparatus for bituminous and like material. G. M. Etnyre. 2,505,390, Apr. 25.
Distributing device. R. G. Bailey. 2,504,786–7, Apr. 18.
Distributing machine, Phosphate. A. E. Moser. 2,531,580, Nov. 28.
Distributing wear of linear electrodes in facsimile recorders embodying helical and linear electrodes. J. H. Long. 2,505,779, May 2.
Distribution apparatus. A. J. A. Peterson and J. D. Gard. 2,525,499, Oct. 10.
Distribution of fluid and electrical ignition current to tubular valved spark plugs, Unified. L. M. Field. 2,509,093, May 23.
Distribution system, Liquid or lubricant. C. C. S. Le Clair. 2,521,177, Sept. 5
Distributor, Aerial seed. L. S. Adams. 2,528,986, Nov. 7.
Distributor, Air. R. N. Trane. 2,525,157, Oct. 10.
Distributor, Air. J. H. Van Alsburg and W. C. De Roo. 2,504,472, Apr. 18.
Distributor and watering can, Combination fertilizer. A. Schaffer. 2,519,707, Aug. 22.
Distributor, Fertilizer. W. B. Aspinwall. 2,496,573, Feb. 7.
Distributor, Fertilizer. E. A. Juzwiak. 2,510,231, June 6.
Distributor, Fertilizer. V. R. MacFee. 2,527,750, Oct. 31.
Distributor, Fertilizer. H. H. Meincke. 2,526,081, Oct. 17.
Distributor, Fertilizer. C. W. Walz and J. H. Clark. 2,527,862, Oct. 31.
Distributor, Fines. L. L. Claassen. 2,511,463, June 13.
Distributor, Floc. O. G. Plos. 2,503,170, Apr. 4.
Distributor, Fluid, D. C. Warren. 2,509,120, May 23.
Distributor for cans. J. L. Jackson and E. B. Tipton. 2,514,067, July 4.
Distributor for Diesel fuel pumps, Fuel. F. L. Bartram. 2,496,768, Feb. 7.
Distributor for manure or the like material. L. B. Thwaites. 2,519,799, Aug. 22.
Distributor for preventing offset from freshly printed sheets, Powder. S. Bennett. 2,496,194, Jan. 31.
Distributor for seeds and the like. L. A. Pazandak. 2,506,382, May 2.
Distributor, Fuel. C. Z. Green. 2,521,119, Sept. 5.
Distributor, Grain. R. I. Patterson. 2,531,526–7, Nov. 28.
Distributor, Insecticide. A. W. Gustafson. 2,531,566, Nov. 28.
Distributor, Liquid. R. N. Brookins. 2,522,600, Sept. 19.
Distributor mechanism. O. G. Nelson and P. R. Powell. 2,513,815, July 4.
Distributor of internal-combustion engines. J. Callander. 2,510,067, June 6.
Distributor, Powder. G. E. Lynn. 2,493,723, Jan. 3.
Disulfides from mercaptans, Manufacture of. P. F. Warner and J. A. McBride. 2,503,644, Apr. 11.
Ditch forming machine, Irrigation. Y. Lion. 2,494,820, Jan. 17.
Ditcher hitch. J. Zagurski. 2,527,613, Oct. 31.
Di-tertiary-alkyl peroxides, Halogenated. W. E. Vaughan and F. F. Rust. 2,501,967, Mar. 28.
Ditertiary butyl hydroquinone, The production of. F. R. Bean and T. S. Donovan. 2,511,193, June 13.
Dithering device. J. Erwood. 2,498,034, Feb. 21.
Dithiocyanates. E. E. Stahly. 2,530,408, Nov. 21.
Dithiocyanogen adducts of esters of 4-hydroxybutadiene-1,2, and making same. D. D. Coffman and J. T. Maynard. 2,502,507, Apr. 4.
Dithionate process for production of zinc hydroxide from zinc oxidized ores. S. F. Ravitz and A. E. Back. 2,522,537, Sept. 19.
Dithiooxalodiamides and thioacetamides, Preparation of. C. L. Levesque. 2,525,416, Oct. 10.
Ditolylethane, The preparation of. J. A. McCoubrey and F. P. Lossing. 2,500,369, Mar. 14.
Di-2-alkenyl phthalate polymers. P. O. Tawney. 2,524,684, Oct. 3.
Divalent metal sulfonates, Producing. J. L. Harlan. 2,509,863, May 30.
Diversity receiver. W. I. Matthews. 2,504,341, Apr. 18.
Diversity receiver. H. O. Peterson. 2,515,055, July 11.
Diversity receiver. H. O. Peterson and R. E. Schock. 2,494,309, Jan. 10.
Diversity receiver system. W. Lyons. 2,503,957, Apr. 11.
Diversity receiver system. B. Trevor. 2,505,074, Apr. 25.
Diversity receiving combination. F. V. Schultz. 2,511,014, June 13.
Diversity receiving system. E. H. Hugenholtz and J. M. Olthuis. 2,507,160, May 9.
Diversity receiving system. W. I. Matthews. 2,513,811, July 4.
Diversity reception. H. O. Peterson. 2,514,162, July 4.
Diversity reception employing frequency shift keying. S. Yando. 2,520,188, Aug. 29.
Diversity system. W. Lyons. 2,512,462, June 20.
Divided starting tray retort burner. J. A. Carter. 2,508,813, May 23.
Divided suction mold. A. E. Smith. 2,515,060, July 11.
Divider, Mechanical. A. Svoboda. 2,498,311, Feb. 21.
Dividers, Self-pointing. R. E. Rutledge, Sr. 2,501,098, Mar. 21.
Dividing apparatus. E. W. Holliday. 2,525,677, Oct. 10.
Dividing device for conveyer systems, Automatic. W. H. Hartmann. 2,515,871, July 18.
Dividing machine. B. M. Durfee. 2,493,862, Jan. 10.
Dividing of warp stop motion blades from a series of blades. H. Meier. 2,512,165, June 20.
Divinyl tetrachlorobenzenes and polymers thereof. M. Markarian. 2,528,445, Oct. 31.
Dock, Seaplane terminal. R. L. Burke. 2,501,310, Mar. 21.
Docking device, Lamb. M. J. Walczak. 2,493,790, Jan. 10.
Docking light. J. F. Morse. 2,504,866, Apr. 18.
Doctor device for rolls and cylinders. E. R. Ljungquist. 2,498,213, Feb. 21.
Doctor mechanism for paper machines. E. R. Ljungquist. 2,498,214, Feb. 21.
Doctor mechanism for rotary intaglio printing presses. J. E. Meyer. 2,528,965, Nov. 7.
Dodecyl amine salt of pentachlorphenol. A. Minich. 2,526,892, Oct. 24.
Doffer for cotton picker spindles. H. P. Petersen. 2,532,073, Nov. 28.
Doffer roll for carding machines. E. L. Cady. 2,523,751, Sept. 26.
Doffing mechanism. S. A. Mansfield, D. Taylor, and B. I. Smith. 2,511,928, June 20.
Dog for roving machines, Two-piece double. W. F. Lee and W. O. Junker. 2,496,168, Jan. 31.
Dog for sawmill carriages, Power-operated. D. R. McFerson. 2,535,440, Dec. 26.
Dolly drier. L. M. Kidder. 2,519,767, Aug. 22.

Doll. W. Schler and D. L. Doggett. 2,530,032, Nov. 14.
Doll. I. Stokes. 2,498,141, Feb. 21.
Doll and making same. M. L. Smalley. 2,535,818, Dec. 26.
Doll and means for changing the features thereof. P. R. Aube. 2,507,394, May 9.
Doll, Dancing. I. Cohn. 2,504,652, Apr. 18.
Doll, Dancing. L. P. Genone. 2,530,610, Nov. 21.
Doll, Drinking. I. Cohn. 2,504,653, Apr. 18.
Doll, Eating. E. Kahn. 2,531,912, Nov. 28.
Doll eye mechanism. W. H. Barrows. 2,529,240, Nov. 7.
Doll, Inflatable. B. L. Henry. 2,503,948, Apr. 11.
Doll joint. H. R. Beebe. 2,535,116, Dec. 26.
Doll, Remote controlled animated. W. L. Murphy. 2,502,583, Apr. 4.
Doll support. F. X. and A. D. Ransom. 2,527,152, Oct. 24.
Doll, Walking. J. E. Henderson. 2,530,696, Nov. 21.
Dolly, Aircraft landing gear strut. H. G. Davis. 2,521,695, Sept. 12
Dolly, Auto body self-adjusting spring. F. A. Derginer and J. E. Engebretsen. 2,517,547, Aug. 8.
Dolly coupler for automotive vehicles. E. B. Hedgpeth. 2,523,210–11, Sept. 19.
Dolly, Display. L. A. Geistert. 2,494,997, Jan. 17.
Dolly for house trailers. J. T. Conley and O. D. True. 2,534,575, Dec. 19.
Dolly for washing machines. J. H. Brook. 2,495,999, Jan. 31.
Dolly, Pole transporting. M. U. Gilbreath. 2,497,352,
Dolly, Trailer. H. E. McGinnis and J. J. Staffelbach. 2,523,040, Sept. 19.
Dolly, Wheel change. E. D. and K. L. Smith. 2,502,285, Mar. 28.
Dolomitic refractory and making same. V. V. Hughey. 2,517,790, Aug. 8.
Domed observation car. G. A. Jergenson. 2,519,049, Aug. 15.
Domestic appliance. R. R. Candor. 2,529,913, Nov. 14.
Domestic appliance. G. C. Pearce. 2,509,989, May 30.
Donning mechanism for bobbin handling machines. R. P. Drake. 2,534,162, Dec. 12.
Door: *See*—

Aircraft safety door.	Overhead door.
Automatic door.	Refrigerator door.
Balanced door.	Revolving door.
Car door.	Rolling door.
Combination door.	Screen door.
Elevator door.	Vertically sliding flexible door.
Furnace door.	Water-cooled furnace door.
Garage door.	

Door. R. A. Bowers. 2,507,497, May 16.
Door. C. E. Bunnell. 2,514,370, July 11.
Door. G. W. Carr. 2,532,758, Dec. 5.
Door actuating device for varying the at rest position, Adjustable. W. O. James. 2,507,163. May 9.
Door and a remote control therefor, Garage. J. C. Kaytor. 2,532,722, Dec. 5.
Door and cam operator, Dumb waiter. A. L. McKeague. 2,495,902, Jan. 31.
Door and hinge construction, Oven. E. A. Jones and R. E. Gardiner. 2,513,414, July 4
Door and movable stairway combination, Coacting. F. W. Fink and L. E. Morgan. 2,531,263, Nov. 21.
Door and operating means therefor, Vertical sliding sectional. H. E. Rohrman. 2,523,844, Sept. 26.
Door and screen, Combination fireplace. T. R. Hughes and A. M. Casada. 2,501,278, Mar. 21.
Door and supporting structure, Combination. C. P. Geyh. 2,518,985, Aug. 15.
Door and window structure. F. D. Unterberger. 2,506,978, May 9.
Door assembly, Overhead rolling. H. D. Winter.
Door assembly, Refrigerator. J. W. Norrish. 2,528,705, Nov. 7.
Door carrier. D. W. Shattuck. 2,508,972, May 23.
Door catch. J. D. Carroll. 2,526,539, Oct. 17.
Door catch, Cabinet. A. S. Rummelsburg. 2,511,998, June 20.
Door catch, Magnetic. M. O. Teetor. 2,508,305, May 16.
Door check. F. W. Beyer. 2,523,088, Sept. 19.
Door check. G. Ithaca, Jr. 2,499,866, Mar. 7.
Door check. F. Jerousek. 2,497,611, Feb. 14.
Door check. J. J. Jones. 2,515,875, July 18.
Door check. F. L. Tharp. 2,506,284, May 2.
Door check and closer. J. Hines. 2,498,758, Feb. 28.
Door check and closer. M. W. Keller. 2,496,166, Jan. 31.
Door check and hold open. F. O. Riley and R. F. Anderson. Re. 23,191, Jan. 17.
Door check and hold-open. C. S. Semar. 2,513,751, July 4.
Door check and silencer for spring-actuated doors. M. C. Briggs. 2,526,616, Oct. 24.
Door check structure. P. H. Travis and H. M. Davidson. 2,507,389, May 9.
Door closer. W. H. Weaver. 2,516,935, Aug. 1.
2,520,618, Aug. 29.
Door closing device. J. H. Boye. 2,499,719, Mar. 7.
Door closing device. F. J. J. Trapman. 2,502,605, Apr. 4.
Door construction, Airplane hangar. G. W. Merritt. 2,532,456, Dec. 5.
Door construction, Open-hearth. H. W. Wilson and J. E. Heyworth. 2,534,747, Dec. 19.
Door control, Supersonic. E. N. Howell and E. W. D'Arcy. 2,509,345, May 30.
Door for chimney flues, Cleanout. P. M. Glieden. 2,512,229, June 20.
Door for freight vehicles, Bulkhead. H. R. Oltz. 2,516,527, July 25.
Door for garages and the like, Overhead transporting. G. R. Coulson. 2,517,768, Aug. 8.
Door for railway cars, Hopper. J. S. Swann. 2,493,468, Jan. 3.
Door frame construction, Metal. K. H. Miller. 2,531,075, Nov. 21.
Door guiding means. H. J. Turner. 2,497,243, Feb. 14.
Door handle. I. S. Keeler and G. V. Jakeway. 2,530,303, Nov. 14.
Door handle mounting. G. V. Jakeway. 2,514,448, July 11.
Door hanger. L. R. Martin and D. Kline. 2,508,527, May 23.
Door hinge. W. Steinbach. 2,534,998, Dec. 19.
Door holder. B. S. Bernhard. 2,497,830, Feb. 14.
Door holder. B. S. Bernhard. 2,535,981, Dec. 26.
Door hook. M. Colarossi. 2,516,185, July 25.
Doorkeeper. H. Weissinger. 2,513,069–70, June 27.
Door key fastener. G. Kindler. 2,528,757, Nov. 7.
Door knob. E. C. Gadpaille. 2,534,012, Dec. 12.
Doorknob. N. H. Seaholm. 2,517,803, Aug. 8.
Door latch. G. E. Curtiss, Jr. 2,528,864, Nov. 7.
Door latch. O. D. Harbert. 2,528,954, Nov. 7.
Door latch. D. W. Keef. 2,533,377, Dec. 12.
Door latch. G. K. E. Kleeberg. 2,510,746, June 6.
Door latch. R. E. Ott. 2,502,666, Apr. 4.
Door latch. G. W. Slopa. 2,514,904, July 11.
Door latch. D. C. Smith and L. I. Oblinger. 2,497,328–9, Feb. 14.
Door latch handle. C. J. Aquila. 2,517,075, Aug. 1.
Door lock. T. W. Anderson. 2,510,326, June 6.
Door lock. J. Kuzma. 2,494,478, Jan. 10.
Door lock. T. W. Larson. 2,522,878, Sept. 19.
Door lock. J. H. Roethel. 2,499,111, Feb. 28.
Door lock. G. B. Solovieff and F. J. Russell. 2,512,814, June 27.
Door lock. W. Ylinen. 2,521,111, Sept. 5.
Door lock. L. W. Young and J. W. Taylor. 2,519,808, Aug. 22.
Door locking means. H. J. Smith. 2,525,002, Oct. 10.
Door mechanism for boxcars. J. H. Hopkins. 2,502,725, Apr. 4.
Door mechanism for railway cars. L. J. Tillman. 2,533,536, Dec. 12.
Door mechanism, Railway car. O. Ingram. 2,505,290, Apr. 25.
Door-mounted electric space heater. N. L. Foster. 2,493,125, Jan. 3.
Door-night-latch-bar securing device. H. F. Weaver. 2,515,364, July 18.
Door operating mechanism. N. J. Guimont. 2,501,897, Mar. 28.
Door operating mechanism. E. S. Pringle. 2,530,629, Nov. 21.
Door operating mechanism. L. R. Rissler and R. M. Spear. 2,502,995, Apr. 4.
Door operating mechanism for several size door openings, Dump car. A. E. Zimmer. 2,531,960, Nov. 28.
Door operating mechanism, Furnace. E. A. Hanff. 2,532,841, Dec. 5.
Door operating mechanism, Furnace. L. S. Longenecker. 2,494,713, Jan. 17.
Door operator. A. G. Dean. 2,514,033, July 4.
Door operator, Casing. N. P. Bach. 2,529,478, Nov. 14.
Door operator with auxiliary operating means, Electric. P. M. Griffin. 2,504,408, Apr. 18.
Door or gate operating mechanism, Elevator. C. O. Harmon. 2,500,072, Mar. 7.
Door seal. V. A. Finley. 2,530,160, Nov. 14.
Door securer. H. C. Carreau. 2,516,183, July 25.
Door sensitive edge actuated switch. C. O. Bruestle. 2,523,645, Sept. 26.
Door sizer and measuring device. T. E. Bryant. 2,511,900, June 20.
Door spindle key lock. F. C. Garrison. 2,501,505, Mar. 21.
Doorstop. R. V. Jenkins. 2,493,292, Jan. 3.
Doorstop. M. H. Smith. 2,497,697, Feb. 14.
Doorstop and catch assembly. N. H. Johnson and H. A. Andrews. 2,530,365, Nov. 14.
Doorstop and closer. M. E. Wilson. 2,495,881, Jan. 31.
Doorstop and holder. C. F. Berry. 2,496,691, Feb. 7.
Doorstop, Releasable. E. V. Lawless. 2,504,540, Apr. 18.
Door structure. D. C. Rockola. 2,531,646, Nov. 28.
Door swinging and latching mechanism for garment cylinders. J. J. Mikshel. 2,496,011, Jan. 31.
Door system, Elevator. L. R. Rissler. 2,517,713, Aug. 8.
Door with transparent panel, Oven. F. J. Port, Jr., G. W. Kamin, and A. Zaltzman. 2,514,590, July 11.
Dosage time indicating means. J. S. Annunziata. 2,528,259, Oct. 31.
Double-acting drill bit. F. G. Turner. 2,519,861, Aug. 22.
Double-acting hydraulic jack. K. J. Mogk. 2,507,674, May 16.
Double-acting internal-combustion engine. R. H. Jones, Jr. 2,530,970, Nov. 21.
Double-acting slide fastener. E. Dutch. 2,508,147, May 16.

Double-acting snap switch. J. O. Roeser. 2,518,255, Aug. 8.
Double-action pump. G. D. Gibson. 2,534,436, Dec. 19.
Double-action toggle press. F. J. Rode and M. R. Hatch. 2,504,089, Apr. 11.
Double-ended resilient fastener. T. Roed. 2,495,348, Jan. 24.
Double exposure prevention device for roll-holding cameras. D. C. Harvey. 2,507,156, May 9.
Double gate valve. L. S. Hamer. 2,499,383, Mar. 7.
Double jacket means for feeding two liquids to a rotating combustion chamber. R. H. Goddard. 2,516,462, July 25.
Double spiral ratchet wrench. R. B. Adams. 2,521,816, Sept. 12.
Double-spiral spring. D. E. A. Bonnemort. 2,503,149, Apr. 4.
Double time constant automatic volume control circuit. J. W. Hayward. 2,498,839, Feb. 28.
Double-walled container. L. T. Mart. 2,493,633, Jan. 3.
Douche and enema apparatus. J. W. Kertesz. 2,522,122, Sept. 12.
Dough divider. F. Klussmann. 2,515,125, July 11.
Dough extrusion device. F. R. Schmitt. 2,511,826, June 13.
Dough raising box. O. W. Person. 2,499,525, Mar. 7.
Dough-rolling device. H. O. Huseby. 2,524,705, Oct. 3.
Doughnut forming device. A. A. Birch. 2,521,627, Sept. 5.
Doughnut handling and turning apparatus. W. C. Meinerding. 2,514,348, July 4.
Doughnut machine. P. J. Toews. 2,530,920, Nov. 21.
Doughnut making machine. H. C. Hewitt and F. H. Morgan. 2,505,243, Apr. 25.
Dovetail tool. W. A. Barnes. 2,535,383, Dec. 26.
Dowel assembly for concrete road joints. W. S. Godwin. 2,494,869, Jan. 17.
Dowel bar and shielded bearing, Sealed. J. N. Heltzel. 2,531,040, Nov. 21.
Dowel making machine. W. P. Hancharik. 2,529,018, Nov. 7.
Dowel pin. E. T. Kindt. 2,499,146, Feb. 28.
Downdraft eliminator for vent pipes, Nondirection. W. H. McCahan. 2,526,079, Oct. 17.
Downdraft furnace. R. M. Bauer. 2,523,412, Sept. 26.
Dowser, Automatic fire and change-over. L. Mannon. 2,494,187, Jan. 10.
Draft adjuster, Marine type. A. J. Ward. 2,521,764, Sept. 12.
Draft bar rigging for railway cars. G. W. Lowry. 2,533,825, Dec. 12.
Draft check for smoke pipes. D. C. Hubbart. 2,522,786, Sept. 19.
Draft control. R. W. Franks. 2,506,497, May 2.
Draft control, Locomotive smokebox steam injection. P. Willis. 2,516,440, July 25.
Draft device, Trailer. M. Valin. 2,516,813, July 25.
Draft gear. M. P. Blomberg. 2,530,756, Nov. 21.
Draft gear. J. R. Cardwell. 2,496,442, Feb. 7.
Draft gear. W. C. Dilg and G. R. Munro. 2,522,570, Sept. 19.
Draft key retainer. F. F. Hayes. 2,534,125, Dec. 12.
Draft rigging. H. L. Spence and W. J. Metzger. 2,533,903, Dec. 12.
Draft roller treating machine. S. J. Geddings. 2,505,108, Apr. 25.
Draft trap. S. E. Norcross. 2,535,368, Dec. 26.
Draft unit, Combination natural and forced. C. J. Jendresen. 2,497,944, Feb. 21.
Drafting apparatus, Textile. E. J. Abbott. 2,522,332, Sept. 12.
Drafting device. K. Borg. 2,512,786, June 27.
Drafting device. M. Nath. 2,509,164, May 23.
Drafting machine. C. H. Little. 2,519,143, Aug. 15.
Drafting table. N. S. Ryder. 2,515,474, July 18.
Draftsman's instrument rack. W. M. Thompson. 2,518,401, Aug. 8.
Drag and carting box. L. A. Fordon. 2,500,534, Mar. 14.
Drag, Land leveling. A. W., V. I., and J. J. Allison. 2,513,129, June 27.
Dragsaw. C. Schurman. 2,499,168, Feb. 28.
Drag scraper equipment. C. C. McMullen. 2,495,197, Jan. 17.
Drain and cover therefor, Floor. G. Biggerstaff. 2,497,577, Feb. 14.
Drain and sump, Bathtub. D. La Barre. 2,510,023, May 30.
Drain attachment. E. Brock. 2,531,721, Nov. 28.
Drain cleaner. T. S. Donnelly. 2,500,404, Mar. 14.
Drain cock, Slidable type. W. J. Kuehn and L. R. Zehnder. 2,506,722, May 9.
Drain, Collapsible. C. F. Raisch. 2,535,955, Dec. 26.
Drain, Extension. W. C. Moore. 2,531,288, Nov. 21.
Drain fitting. N. A. Tornblom. 2,516,096, July 18.
Drain fixture, Floor. A. Mathels. 2,519,843, Aug. 22.
Drain, Floating tank roof. J. H. Wiggins. 2,497,645, Feb. 14.
Drain, Floor. R. C. Schenck. 2,501,971, Mar. 28.
Drain for bearings, Oil. B. E. Rutherford. 2,501,235, Mar. 21.
Drain for toilet fixtures, Floor. A. Shobe. 2,499,115, Feb. 28.
Drain for vehicle ventilating windows. C. C. Koeln. 2,493,674, Jan. 3.
Drain, Gutter. E. L. Dailey. 2,516,961, Aug. 1.
Drain, Induction system. W. G. Lundquist, E. H. Olson, and K. A. Browne. 2,502,968, Apr. 4.
Drain system for steam engines, Condensate. J. F. Griffin and R. G. Skoog. 2,531,878, Nov. 28.
Drain valve. C. A. Brown. 2,512,052, June 20.
Drain, Vent glass. G. L. Oliver. 2,508,532, May 23.
Drain wick for pressurized compartments. H. C. Luttman. 2,525,307, Oct. 10.
Drainer, Pot. J. Schoenfeld. 2,511,791, June 13.
Drainer with rotatable drum and encircling belt for confining cans therebetween. R. B. Bentley. 2,532,594, Dec. 5.
Draining accumulated moisture from storage tanks. R. C. Churchman. 2,505,663, Apr. 25.
Draining containers, System of. H. P. Smith. 2,493,837, Jan. 10.
Draining device, Kettle. F. I. and F. A. Holmgren. 2,507,159, May 9.
Draining machine, Can. K. A. Leuschner. 2,525,141, Oct. 10.
Drainpipe closure, Temporary. G. Steele. 2,512,041, June 20.
Drainpipe filter. A. Batt, Jr. 2,532,388, Dec. 5.
Drainpipe stoppage preventer. F. W. Heuacker. 2,506,669, May 9.
Drape and curtain, Window. C. S. Robertson and A. Mattos. 2,524,477, Oct. 3.
Drape and shade fixture means, Combination curtain. M. M. Frank, Sr., and J. B. Rodrigues. 2,518,610, Aug. 15.
Drape, Vanity table. A. McD. Hess. 2,494,874, Jan. 17.
Draperies. C. Bashwiner. 2,530,593, Nov. 21.
Drapery and curtain hanger. S. Sklar. 2,535,655, Dec. 26.
Drapery fixture. J. A. Wersching. 2,534,491, Dec. 19.
Drapery fixture. M. B. Wright. 2,532,653, Dec. 5.
Drapery hanger. W. F. Binsack. 2,514,118, July 4.
Drapery hanger. B. P. Solomon. 2,524,403, Oct. 3.
Drapery hook. P. N. Beevor. 2,525,998, Oct. 17.
Drapery hook. S. Perlmutter. 2,512,376, June 20.
Drapery ring. E. Eutzler. 2,533,780, Dec. 12.
Draw of synthetic funicular structures, Method and apparatus for the two-stage. H. F. Hume. 2,533,013, Dec. 5.
Drawbar extension for land levelers. A. G. Gurries and J. A. White, Jr. 2,510,470, June 6.
Drawbar, Hoist. C. D. Woodward and M. McCanna. 2,513,224, June 27.
Drawbar pin fastener. R. C. Weiler. 2,514,594, July 11.
Drawbar, Safety. O. C. Olson and R. A. Boomer. 2,512,836, June 27.
Drawbar, Tractor. K. W. Cline and D. F. Rinehart. 2,531,768, Nov. 28.
Drawbar, Vehicle. B. G. Rich. 2,528,784, Nov. 7.
Drawer closure assembly. A. R. Mounce. 2,507,217, May 9.
Drawer construction. J. V. Nielsen. 2,496,673, Feb. 7.
Drawer construction and method, Furniture. P. L. Von Canon. 2,496,184, Jan. 31.
Drawer, Filing cabinet. J. R. Jones. 2,532,623, Dec. 5.
Drawer or like receptacle. F. M. J. Curran. 2,499,299, Feb. 28.
Drawer pull. F. G. Szager. 2,496,966, Feb. 7.
Drawer pull and crown cap puller, Combination. J. R. Murphy. 2,506,732, May 9.
Drawer slide actuating mechanism for cabinets and the like. G. V. Jakeway. 2,532,405, Dec. 5.
Drawer slide construction. C. G. Hallberg. 2,496,997, Feb. 7.
Drawing and beading mechanism. E. F. and C. W. Middleton. 2,514,005, July 4.
Drawing board support. E. C. Cleveland. 2,520,029, Aug. 22.
Drawing device. S. K. B. Larsen. 2,506,426, May 2.
Drawing device, Educational. D. L. Hill. 2,517,664, Aug. 8.
Drawing ferrous wire and other metal-working processes. H. A. Holden and J. T. Setterington. 2,522,176, Sept. 12.
Drawing machine, Perspective. O. F. Randolph. 2,524,990, Oct. 10.
Drawing off of circularly knitted articles. K. Semotân 2,521,258, Sept. 5.
Drawing or sketching board. A. J. Ensor. 2,530,605, Nov. 21.
Drawing plastic sheet material, Method and apparatus for. G. W. Borkland. 2,530,043, Nov. 14.
Drawing roll. F. H. Stearns. 2,530,094, Nov. 14.
Drawing sheet glass, Method of and apparatus for. H. L. Halbach, G. D. Campbell, and W. G. Koupal. 2,519,457, Aug. 22.
Drawing stainless steel wire. C. H. Fessler. 2,519,127, Aug. 15.
Dredge. R. H. Bailey. 2,508,087, May 16.
Dredge, Deepwater. G. B. Massey. 2,496,101, Jan. 31.
Dredge digging structure. E. von Bolhar. 2,528,195, Oct. 31.
Dredger, Gold. G. V. Farnham and H. Gillespie. 2,521,508, Sept. 5.

Dress construction, Evening. M. M. Schimmel. 2,516,426, July 25.
Dress, Doll. E. L. McTammany. 2,534,827, Dec. 19.
Dress finisher. J. E. Fitpold. 2,511,796, June 13.
Dress form. R. W. Akers. 2,533,906, Dec. 12.
Dress form. L. Cordell and L. S. Cordero. 2,534,757, Dec. 19.
Dress form. J. J. Martini. 2,531,857, Nov. 28.
Dress, Reversible. A. Brick. 2,498,332, Feb. 21.
Dress trim. L. Z. McClintock. 2,533,891, Dec. 12.
Dressing and shade cabinet. J. Neiborn. 2,504,038, Apr. 11.
Dressing fish. P. Danielsson. 2,529,920, Nov. 14.
Dressings, Hemostatic alginic surgical. J. J. Eberl and W. L. George. 2,512,616, June 27.
Drier: *See*—
Aggregate drier.
Automatic space drier.
Clothes drier.
Continuous centrifugal drier.
Doily drier.
Film drier.
Folding clothes drier.
Garment drier.
Gas drier.
Gas-heated clothes drier.
Gaseous current spray drier.
Girdle drier.
Grain drier.
Hair drier.
Inclined drier.
Laundry drier.
Mobile crop drier.
Paper machine drier.
Photographic print drier.
Portable clothes drier.
Rotary drier.
Rotary line drier.
Sand drier.
Spray drier.
Tube drier.
Vacuum hair drier.
Drier. C. D. Arcularius. 2,521,769, Sept. 12.
Drier. T. Evans. 2,517,857, Aug. 8.
Drier. A. L. Leeth. 2,498,560, Feb. 21.
Drier. W. L. Morrison. 2,495,535, Jan. 24.
Drier. W. L. Morrison. 2,521,081, Sept. 5.
Drier. C. C. Smith. 2,535,327, Dec. 26.
Drier and accumulator, Combination. R. S. Dawson. 2,504,184, Apr. 18.
Drier and stretcher, Adjustable fur pelt. E. Schulz, Sr., and T. A. Miskowsl. 2,534,071, Dec. 12.
Drier and sunshade, Combined clothes. H. L. Griffin. 2,503,386, Apr. 11.
Drier composition for paints and the like. S. B. Elliott and R. J. O'Hara. 2,528,429, Oct. 31.
Drier feed distribution. O. J. Cummings. 2,514,204, July 4.
Drier for ceramic ware utilizing upwardly flowing heat injection, Tunnel. T. W. Garve. 2,513,163, June 27.
Drier for fabrics or the like. R. C. Morris. 2,503,448, Apr. 11.
Drier for grass and the like, Fluid current. W. van den Broek. 2,520,747, Aug. 29.
Drier for long alimentary paste products, Continuous. C. Ambrette. 2,515,684, July 18.
Drier for printing presses, Ink. P. H. Dunakin and F. B. Korb. 2,499,572, Mar. 7.
Drier for use in conditioning pads, swatches, or other fabric samples without heat, Centrifugal. R. M. Petit. 2,515,056, July 11.
Drier having a casing bulkhead, Tumbler type hot-air. P. E. Geldhof. 2,521,712, Sept. 12.
Drier having coordinated feed and recycling means, Continuous batch flash. C. W. Gordon. 2,535,570, Dec. 26.
Drier of the fluid current type. P. A. Shaw. 2,513,370, July 4.
Drier or cooler, Rotary. J. L. Erisman. 2,522,025, Sept 12.
Drier roll for paper, paperboard, and like material. A. A. Blue. 2,519,105, Aug. 15.
Drier using warm air blast. E. C. Sieggreen. 2,496,236, Jan. 31.
Drier with automatic capping device, Vacuum. H. K. Burr and B. Makower. 2,494,541, Jan. 17.
Driftmeter, Dual image. M. L. Clopton. 2,504,108, Apr. 18.
Drift release mechanism for presses. C. D., A. J., and C. Schermuly. 2,524,481, Oct. 3.
Drill: *See*—
Auger drill.
Core drill.
Electric arc drill.
Lateral drill.
Masonry drill.
Portable self-feed drill.
Rock drill.
Undercutting drill.
Variable-speed electric drill.
Drill. J. Gonzalez. 2,496,939, Feb. 7.
Drill. C. C. Koeln. 2,524,707, Oct. 3.
Drill. C. A. Signell. 2,529,788, Nov. 14.
Drill and reamer holder. A. E. Clark. 2,532,058, Nov. 28.
Drill and the like, Illuminated electric. L. F. Cameron and R. Perry. 2,525,588, Oct. 10.
Drill bit. P. Adamson. 2,511,831, June 20.
Drill bit. E. S. Creel. 2,498,251, Feb. 21.
Drill bit. W. C. Francis. 2,507,776, May 16.
Drill bit. C. C. Goolsbee. 2,507,439, May 9.
Drill bit. J. C. Stokes. 2,496,421, Feb. 7.
Drill bit. A. L. Stone. 2,497,144, Feb. 14.
Drill bit. C. V. Tilden. 2,506,474, May 2.
Drill bit. E. B. Williams, Jr. 2,493,178, Jan. 3.
Drill bit and cutter therefor, Rotary. H. B. Woods. 2,533,260, Dec. 12.
Drill bit with replaceable cutters, Detachable rock. J. M. Meaney. 2,494,188, Jan. 10.
Drill bits, Method and apparatus for making. P. Liddicoat. 2,526,489, Oct. 17.
Drill carriage. C. A. R. Lambly and L. Kinney. 2,505,331, Apr. 25.
Drill case. V. F. Rogers. 2,513,894, July 4.
Drill chip breaker. E. Hallden. 2,500,176–7, Mar. 14.
Drill chip breaker. E. Hallden. 2,514,758–9, July 11.
Drill chip breaker. W. R. Wichman. 2,515,539, July 18.
Drill chuck key holder. L. F. Neck. 2,529,567, Nov. 14.
Drill clamp. L. B. Glantz. 2,526,553, Oct. 17.
Drill cutter. E. A. Morlan and H. B. Woods. 2,533,258, Dec. 12.
Drill cutter. H. B. Woods and F. L. Scott. 2,533,257, Dec. 12.
Drill for cutting post holes in rock, Weighted. J. J. Canales. 2,533,555, Dec. 12.
Drill head. T. G. Linderme. 2,499,657, Mar. 7.
Drill head, Automatic. P. S. Claus. 2,510,329, June 6.
Drill jig. R. A. Fay. 2,501,036, Mar. 21.
Drill jig apparatus, Floating. J. R. Wilson. 2,521,030, Sept. 5.
Drill jig bushing. I. Sneva. 2,515,383, July 18.
Drill point thinning attachment. A. Van Wyk. 2,524,279. Oct. 3.
Drill press construction. H. M. Clark. 2,500,662, Mar. 14.
Drill rig, Portable. A. Feucht. 2,520,390, Aug. 29.
Drill sharpening device. J. Adrian. 2,521,439, Sept. 5.
Drill spindle and feed. J. W. Karweit. 2,501,177, Mar. 21.
Drill stem test check. D. A. Lewallen. 2,513,031, June 27.
Drill with slotted guide tube, Side. A. Arutunoff. 2,500,785, Mar. 14.
Drilling and tapping unit, Automatic. W. B. Locke and P. E. Fraser. 2,504,853, Apr. 18.
Drilling apparatus. J. C. Curtis. 2,500,931, Mar. 21.
Drilling apparatus. J. C. Curtis and E. G. Gartin. 2,500,932, Mar. 21.
Drilling apparatus, Core. F. C. Sturges and R. B. Strope. 2,531,708, Nov. 28.
Drilling apparatus, Deep well. J. A. Holcomb. 2,503,047, Apr. 4.
Drilling, Deep. R. G. Cudini. 2,507,504, May 16.
Drilling device. R. W. Andreasson. 2,510,203, June 6.
Drilling device, Deep well. V. Prassel. 2,496,954, Feb. 7.
Drilling device, Rat hole. J. W. Hickerson, Sr. 2,528,593, Nov. 7.
Drilling equipment, Well. J. H. Schreiber. 2,502,998, Apr. 4.
Drilling fluids. R. W. Beck. 2,531,662, Nov. 28.
Drilling fluids. C. R. Wagner and W. N. Axe. 2,523,977, Sept. 26.
Drilling fluids stable in the presence of brines rich in polyvalent cations. R. W. Swinehart. 2,510,153, June 6.
Drilling fluids, Treatment of. E. S. Self. 2,498,301, Feb. 21.
Drilling jig, Adjustable. D. Klingman. 2,535,581, Dec. 26.
Drilling jig, Portable. E. A. Hengst. 2,519,468, Aug. 22.
Drilling machine. R. T. Carroll. 2,519,437, Aug. 22.
Drilling machine, Automatic. R. E. Vanderhide. 2,524,149, Oct. 3.
Drilling machine, Deep. R. G. Cudini. 2,507,503, May 16.
Drilling machine, High Speed. J. E. Bevins and C. P. Leigh. 2,515,851, July 18.
Drilling machine, Hydraulic. R. H. Geisler and C. H. Skeen. 2,534,118, Dec. 12.
Drilling machine, Marine oil. J. Shannon. 2,534,480, Dec. 19.
Drilling, Marine. A. J. Tucker. 2,512,783, June 27.
Drilling method and means, Marine. M. B. Willey and R. W. Wilson. 2,515,540, July 18.
Drilling mud. P. W. Fischer and R. A. Rogers. 2,518,439, Aug. 15.
Drilling mud clay. H. B. Fisher. 2,515,207, July 18.
Drilling mud, Oil base. E. F. Snyder. 2,515,742, July 18.
Drilling rig, Portable. C. Bury. 2,516,182, July 25.
Drilling structure provided with a drill pipe hoist, Well. H. J. Woolslayer and C. Jenkins. 2,531,930, Nov. 28.
Drilling tool. J. B. Robertson. 2,516,421, July 25.
Drilling wells. M. L. Natland. 2,514,585, July 11.
Drink mixer. L. Myers. 2,498,570, Feb. 21.
Drink mixer. M. Nathanson. 2,507,676, May 16.
Drinking device. G. M. Blefeld. 2,505,380, Apr. 25.
Drinking glasses and similar glass articles, Method and a machine for the production of. J. Tourres. 2,523,737, Sept. 26.
Drip baffle, Insulated. P. P. Ryan. 2,501,540, Mar. 21.
Drip valve. W. J. Pine. 2,510,252, June 6.
Dripless pouring device. R. J. Kemper. 2,521,523, Sept. 5.
Drive, Adjustable eccentric. J. B. Galliano. 2,521,711, Sept. 12.
Drive and control unit, Universal fluid. M. J. Dikeman. 2,496,042, Jan. 31.
Drive and fuel feed for motor vehicles, Hydraulic. J. H. de Russy. 2,507,562, May 16.
Drive and support structure, Tumbler cylinder. A. L. Reiter. 2,498,181, Feb. 21.
Drive arm mechanism. C. R. Sacchini. 2,533,963, Dec. 12.

Drive assembly for article-handling devices, Differential. V. A. Rayburn. 2,531,644, Nov. 28.
Drive, Auxiliary traveling turntable. W. K. Rieber. 2,495,480, Jan. 24.
Drive, Bottle mixer spinner. J. Kantor. 2,503,742, Apr. 11.
Drive chain. H. S. Pierce. 2,525,561, Oct. 10.
Drive, Coaxial counterrotating shafts. A. W. Gaubatz and J. B. Wheatley. 2,522,443, Sept. 12.
Drive connection for a shoe polisher. A. F. Bruder. 2,518,279, Aug. 8.
Drive, Constant speed and frequency. J. E. Bevins and H. A. Williams. 2,500,655, Mar. 14.
Drive construction, Magnetic. G. E. Ford. 2,514,323, July 4.
Drive control system, Prime mover electric. G. R. Higgs. 2,500,753, Mar. 14.
Drive, Core type reel. R. R. Baker. 2,508,135, May 16.
Drive, Core type reel. M. H. Fisher and V. B. Baker. 2,495,245, Jan. 24.
Drive device. F. S. Price. 2,522,960, Sept. 19.
Drive, Differential. L. Hornbostel. 2,514,240, July 4.
Drive, Disengageable belt. J. M. Dodwell. 2,522,503, Sept. 19.
Drive, Eccentric. D. and L. W. Fransen. 2,499,485, Mar. 7.
Drive, Engine starter. J. J. Digby. 2,495,653, Jan. 24.
Drive, Engine starter. D. L. Miller. 2,500,133, Mar. 7.
Drive, Engine starter. A. J. Stroziński. 2,502,395, Mar. 28.
Drive, Epicyclic. L. H. Browne. 2,506,133, May 2.
Drive fastener. O. J. Poupitch. 2,509,192, May 23.
Drive fastener. O. J. Poupitch. 2,511,512, June 13.
Drive, Filling machine. G. J. Meyer. 2,500,465, Mar. 14.
Drive, Film reel. M. E. Collins. 2,499,850, Mar. 7.
Drive, Flexible generator. W. F. Fell. 2,500,281, Mar. 14.
Drive for airplane wheels. H. G. Hill. 2,505,770, May 2.
Drive for amphibian tractors. M. T. Maguire. 2,518,481, Aug. 15.
Drive for drill presses and the like, Reduction. R. E. McKelvey. 2,506,514, May 2.
Drive for dual table glass machine, Unidirectional dual selective. A. W. Happel. 2,494,706, Jan. 17.
Drive for endless-chain scraper conveyers. J. Thomson and T. McCulloch. 2,523,887, Sept. 26.
Drive for feed mechanism, Reversible. F. C. Sanders and A. P. Kling. 2,506,686, May 9.
Drive for free-piston units, Accessory. R. J. Hooker. 2,501,053, Mar. 21.
Drive for garden tractors, Friction. J. J. Edwards. 2,519,749, Aug. 22.
Drive for helicopter rotors, Constant speed. C. P. Heintze. 2,496,624, Feb. 7.
Drive for helicopters. J. G. Lee. 2,498,283, Feb. 21.
Drive for lathe camshafts, Two-speed. G. E. Cuttat. 2,493,738, Jan. 10.
Drive for magnetic recorders, Constant speed. M. Camras. Re. 23,192, Jan. 31.
Drive for motor vehicles, Front-wheel. B. F. Gregory. 2,503,477, Apr. 11.
Drive for nutator. C. T. G. Looney. 2,528,963, Nov. 7.
Drive for oscillatory members, more particularly for pumping apparatus, Variable stroke. A. L. Keltner. 2,526,561, Oct. 17.
Drive for phonograph motors, Intermediate. R. M. Johanns. 2,504,199, Apr. 18.
Drive for planers and the like, Hydraulic. J. K. Douglas. 2,499,633, Mar. 7.
Drive for reciprocating tables, Hydraulic. J. K. Douglas. 2,504,664, Apr. 18.
Drive for reversible operation, Adjustable-voltage. G. E. King. 2,498,280, Feb. 21.
Drive for revolutions counter, Reversible. S. A. E. Lundin. 2,498,130, Feb. 21.
Drive for roll presses, Variable speed. H. M. Brown and G. Cawley. 2,513,399, July 4.
Drive for rotary abrasive tools, Self-regulating. R. D. Watson. 2,501,554, Mar. 21.
Drive for seismographic record strips. R. L. Henson, Jr. and J. W. Millington. 2,532,911, Dec. 5.
Drive for self-propelled implements, Belt and gear. R. L. Anderson. 2,510,325, June 6.
Drive for textile machines, Magnetic. A. Petersen. 2,506,315, May 2.
Drive for the axial motion of the cam shaft on ordinary straight-bar knitting machines. U. Pianta. 2,499,679, Mar. 7.
Drive for winches, Multispeed alternating-current. K. Mahnke and J. W. York. 2,508,180, May 16.
Drive for windup rings of bag machines. H. Gerstein, and R. Kagan. 2,526,022, Oct. 17.
Drive, Garden tractor wheel. T. R. Toohey. 2,510,434, June 6.
Drive, Gear pump type variable speed liquid. M. W. Boxer. 2,498,733, Feb. 28.
Drive, Generator. O. E. Szekely. 2,500,216, Mar. 14.
Drive, Grinding machine. T. H. Ljunggren. 2,503,674, Apr. 11.
Drive, Headstock H. E. Balsiger. 2,507,330, May 9.

Drive, Hydraulic. W. S. Keyser. 2,493,408, Jan. 3.
Drive, Intermittent grip variable ratio. D. M. Weigel. 2,512,292, June 20.
Drive, Intermittent slide grip. E. Pulsford. 2,518,177, Aug. 8.
Drive, Locomotive axle quill. F. L. Alben. 2,498,230, Feb. 21.
Drive, Loop controlled variable-speed. D. A. Cumfer. 2,535,352, Dec. 16.
Drive, Magnetic. R. D. Beatty, Jr. 2,525,579, Oct. 10.
Drive, Magnetic. H. J. Findley. 2,519,449, Aug. 22.
Drive, Magnetically controlled reversible friction. A. F. Bischoff. 2,525,443, Oct. 10.
Drive means. O. E. Szekely. 2,524,853, Oct. 10.
Drive mechanism. P. H. Dixon and D. W. Hannable. 2,512,738, June 27.
Drive mechanism. I. W. M. Harker and R. Grunwald. 2,509,639, May 30.
Drive mechanism. H. Hermanny. 2,510,109, June 6.
Drive mechanism and control therefor. P. E. Geldhof and L. Ringer. 2,508,601, May 23.
Drive mechanism, Axminster needle. J. H. Pfau. 2,524,734–5, Oct. 3.
Drive mechanism, Change-speed. J. G. Vincent. 2,506,399, May 2.
Drive mechanism for automatic selectors and similar devices, Reciprocating. G. Deakin. 2,510,084, June 6.
Drive mechanism for automatic selectors and similar devices, Reciprocating. G. Deakin. 2,517,546, Aug. 8.
Drive mechanism for cleaning-air tubes in self-cleaning filters. W. W. McNamara. 2,513,420, July 4.
Drive mechanism for inertia propelling devices. W. W. Sloane. 2,500,962, Mar. 21.
Drive mechanism for self-propelled vehicles. E. V. Varcoe. 2,527,281, Oct. 24.
Drive mechanism for trench digging machines. F. J. Schmidt. 2,519,075, Aug. 15.
Drive mechanism for wire recorders. W. G. Knapp. 2,528,061, Oct. 31.
Drive mechanism, Infinitely variable speed. T. F. Eserkaln. 2,522,353, Sept. 12.
Drive mechanism, Load limiting. F. R. Ambrose. 2,517,373, Aug. 1.
Drive mechanism, Mechanical. J. M. Long. 2,505,978, May 2.
Drive mechanism, Oscillating. N. W. Oakes. 2,498,293, Feb. 21.
Drive mechanism, Plural-speed friction. P. S. Gay. 2,518,769, Aug. 15.
Drive mechanism, Razor. I. Lonne. 2,519,332, Aug. 15.
Drive mechanism, Reversible film. M. E. Collins. 2,499,947, Mar. 7.
Drive mechanism, Two-speed. G. T. Hemmeter. 2,499,219, Feb. 28.
Drive mechanism, Washing machine. V. E. Dunn. Re. 23,296, Nov. 28.
Drive mechanism, Wobbler. S. B. Eckert. 2,513,083, June 27.
Drive, Motor vehicle. C. L. Hoff. 2,495,101, Jan. 17.
Drive, Multiple belt mule. E. R. Traxler. 2,522,148, Sept. 12.
Drive, Multiple variable-speed. H. C. Van Auken. 2,512,700, June 27.
Drive, One-way. W. Shuker and H. Murray. 2,505,841, May 2.
Drive, Oscillator. F. A. Lane. 2,503,158, Apr. 4.
Drive, Reduction gear. R. E. Peterson and J. Boyd. 2,498,295, Feb. 21.
Drive, Selector switch. G. Deakin and J. C. Jablonowski. 2,510,085, June 6.
Drive shaft. L. D. Jennings and J. Naymik. 2,495,169, Jan. 17.
Drive shaft, Adjustable. R. A. Hawn. 2,501,217, Mar. 21.
Drive shaft and handle grip for rotatable and angularly adjustable tools, Extension. J. M. Thomas. 2,498,465, Feb. 21.
Drive, Speed-regulated direct-current. L. W. Herchenroeder. 2,519,370, Aug. 22.
Drive, Spring. V. E. Inger. 2,521,978, Sept. 12.
Drive-spring fastener. F. Fengler. 2,501,383, Mar. 21.
Drive, Starting motor. P. L. Schneider and H. J. Cromwell. 2,523,151, Sept. 19.
Drive stud fastener. O. J. Poupitch. 2,513,105, June 27.
Drive system. R. R. Baker and W. R. Harris. 2,498,234, Feb. 21.
Drive, Torque controlled liquid torque. B. F. Kenyon. 2,499,099, Feb. 28.
Drive, Two-speed turntable. M. E. Hardy. 2,529,019, Nov. 7.
Drive unit. S. A. Hall. 2,522,756, Sept. 19.
Drive unit for road vehicles, Front and rear engine wheel. R. L. J.-B. Sanmori. 2,494,902, Jan. 17.
Drive unit, Motor. S. S. Brown. 2,528,686, Nov. 7.
Drive unit, Motor-generator-starter. C. P. Pepper. 2,494,960, Jan. 17.
Drive unit, Motorized washing machine. I. Nachumsohn. 2,505,741, Apr. 25.
Drive units for machine tools, Infinitely variable speed, cutter spindle. T. F. Eserkaln and F. Steinbrecker. 2,522,352, Sept. 12.

Drive, Variable-speed. J. D. Gayer. 2,501,936, Mar. 28.
Drive, Variable-speed. R. M. Nardone. 2,495,470, Jan. 24.
Drive, Variable voltage motor. G. E. King and W. H. Formhals. 2,510,637, June 6.
Drive, Vehicle. N. R. Huntington. 2,494,945, Jan. 17.
Drive, Washing machine. J. Hutchinson. 2,513,326, July 4.
Drive, Washing machine. E. W. Kyle. 2,521,983, Sept. 12.
Drive with cooling system, Tank cross. O. K. Kelley. 2,523,766, Sept. 26.
Drive with positive stop, Two-speed motor. H. B. Fuge. 2,510,468, June 6.
Driver actuating mechanism for fastening inserting machines. B. B. Blanchard. 2,533,419, Dec. 12.
Driver, Lathe work. H. E. Durkee. 2,493,574, Jan. 3.
Driver, Mobile pile. R. D. Fiedler. 2,496,706, Feb. 7.
Driver rocket. C. N. Hickman. 2,519,905, Aug. 22.
Driver unit, Work. S. Nowka. 2,493,995, Jan. 10.
Driver's safety door lock. R. P. Sherrill. 2,507,822, May 16.
Drives with hydraulically loadable coupling, One-way. G. B. Du Bois and R. B. Ungerer. 2,521,117, Sept. 5.
Driving and control mechanism for vehicles. Torque dividing. G. W. Curtis. 2,529,489, Nov. 14.
Driving and steering control for lawn mowers. W. N. Millar. 2,519,270, Aug. 15.
Driving and steering mechanism, Differential. W. G. Van Voorhis. 2,521,658, Sept. 5.
Driving and steering mechanism for motor vehicles. E. F. Norelius. 2,533,610, Dec. 12.
Driving arrangement for the spindles of centrifugal spinning, twisting, and analogous machines. E. E. Feather. 2,527,248, Oct. 24.
Driving band rolling mill reels, Electrically. P. Blain. 2,509,286, May 30.
Driving device. G. Gottbreht. 2,514,857, July 11.
Driving device for power-driven telephone switches and similar switching members. O. J. J. Bracke and G. X. Lens. 2,495,689, Jan. 31.
Driving machine, Golf. H. R. Smith. 2,528,616, Nov. 7.
Driving means, Wire and tape. R. J. Tinkham. 2,499,699, Mar. 7.
Driving mechanism. M. Anderson. 2,531,098, Nov. 21.
Driving mechanism. P. K. Beemer and H. O. Fuchs. 2,519,170, Aug. 15.
Driving mechanism. E. Orshansky, Jr. 2,504,040, Apr. 11.
Driving mechanism. H. M. Stephenson. 2,511,678, June 13.
Driving mechanism, Antenna. W. E. Kock. 2,522,125, Sept. 12.
Driving mechanism, Electrical. C. T. Hayes. 2,512,017, June 20.
Driving mechanism for laundry machinery. L. L. Poland. 2,509,939, May 30.
Driving mechanism for multiplex cameras. Y. Svensson and E. Nilsson. 2,497,478, Feb. 14.
Driving mechanism for power lawn mowers. H. L. Blydenburgh. 2,519,019, Aug. 15.
Driving mechanism for power lawn mowers. E. S. George and H. L. Blydenburgh. 2,519,039, Aug. 15.
Driving mechanism for twister tube type of spinning frames. J. A. Kooistra. 2,506,155, May 2.
Driving mechanism, Hand or power. C. W. Kuhn. 2,525,915, Oct. 17.
Driving mechanism, Multiple spindle. F. G. Zagar. 2,522,735, Sept. 19.
Driving mechanism of mobile platens in presses. H. Bobst. 2,507,556, May 16.
Driving of motion-picture film. R. F. A. V. d'Avitaya. 2,532,542, Dec. 5.
Driving system, Electromagnetic. I. O. Ruud. 2,521,653, Sept. 5.
Driving system, Generator-motor. P. T. Nims. 2,506,809, May 9.
Driving system, Reel. R. H. Colomy and C. J. Boenisch. 2,528,580, Nov. 7.
Driving unit. H. J. Luehrs. 2,494,443, Jan. 10.
Drop bottom mine car. T. E. Bowen. 2,503,706, Apr. 11.
Drop dispensing container. I. Silverman. 2,534,310, Dec. 19.
Drop end gondola car. O. Ingram. 2,497,221, Feb. 14.
Drop-leaf extension table. L. T. Watts. 2,534,890, Dec. 19.
Drop mechanism for article sorting apparatus. J. G. Mackechnie, Jr. 2,518,037, Aug. 8.
Drop pit apparatus. L. H. Holdeman. 2,520,969, Sept. 5.
Drop pit apparatus. C. H. Schramm and L. H. Holdeman. 2,520,968, Sept. 5.
Droppable wing-tip tank. J. R. Clark and D. L. McFarland. 2,505,604, Apr. 25.
Drum. E. Ronne. 2,504,156, Apr. 18.
Drum and perforate cylinder for removing fruit pits, Rotary. E. Eymeric. 2,500,981, Mar. 21.
Drum and refilling, Portable dispensing. R. A. Nicholson. 2,501,611, Mar. 21.
Drum and squeeze roll, Fiber pickup. E. H. Brooks, Sr. 2,498,646, Feb. 28.
Drum and timpani therefor, Kettle. W. F. Ludwig. 2,502,733, Apr. 4.
Drum, Brake. M. Dach. 2,505,031, Apr. 25.
Drum, Brake. A. S. Van Halteren. 2,493,173, Jan. 3.
Drum, Facsimile recorder. P. L. Grafstein and A. G. Cooley. 2,513,409, July 4.
Drum, Film positioning. S. E. Bartelson. 2,493,056, Jan. 3.
Drum for concrete mixers, Rotary. W. Muller. 2,497,736, Feb. 14.
Drum for dehydrators, Ventilated. W. L. McGehee. 2,496,225, Jan. 31.
Drum for raschel and similar looms, Shifting. M. E. Leblanc. 2,499,656, Mar. 7.
Drum gauge. G. M. Komar. 2,509,236, May 30.
Drumhead construction. C. P. Cordes. 2,524,592, Oct. 3.
Drum package, New-type. E. S. Schneider. 2,511,481, June 13.
Drum, Rotary screening. K. R. Lindblad. 2,532,415, Dec. 5.
Drum, Snare. L. J. Jeffries. 2,495,896, Jan. 31.
Drumstick. M. Bramson. 2,521,336, Sept. 5.
Drum structure with cooling means. N. S. Borch. 2,507,295, May 9.
Drum support. S. V. Cassato. 2,505,882, May 2.
Drum, Tire building. H. D. Stevens and R. W. Allen. 2,514,215, July 4.
Drum trap. D. R. Smith. 2,520,859, Aug. 29.
Drum type induction furnace. M. Tama. 2,499,541, Mar. 7.
Drum venting device. H. Birkenstein, Jr. 2,528,207, Oct. 31.
Dry electrolytic condenser. I. J. Menschik and H. C. Kreinick. 2,535,945, Dec. 26.
Dry feed mixer. S. D. Riza. 2,512,214, June 20.
Dry granular mix. W. L. Howe. 2,534,128–9, Dec. 12.
Dry lime acetylene generator. R. R. L. Geffroy. 2,505,956–7, May 2.
Dry ore concentrator. F. J. Mathews. 2,518,043, Aug. 8.
Dry rectifiers, Manufacture of. C. L. Cooper and L. J. Ellison. 2,531,402, Nov. 28.
Dry resinate composition. E. S. Fenelon, Jr., and E. C. Howard. 2,534,763, Dec. 19.
Dry shaver. C. E. Graves. 2,508,570, May 23.
Dry shaver motor. L. Irrgang. 2,509,868, May 30.
Dry shaving apparatus. G. Barsch. 2,531,191, Nov. 21.
Dry-shaving appliance. H. B. Randolph. 2,533,622, Dec. 12.
Dry spinning system. J. J. Burke. 2,515,393, July 18.
Dry-storage box. F. O. Anderegg. 2,517,537, Aug. 8.
Drying allyl starch. T. J. Dietz and J. E. Hansen. 2,510,089, June 6.
Drying ammunition primers. F. Olsen. 2,529,704, Nov. 14.
Drying and calcining system, Flash. C. W. Gordon. 2,505,617, Apr. 25.
Drying and curing a resin impregnated endless textile strip, Method and apparatus for uniformly. C. B. Albright. 2,512,128, June 20.
Drying and curing apparatus. C. B. Albright. 2,506,760, May 9.
Drying and curing felts, Method and apparatus for. C. B. Albright. 2,518,740, Aug. 15.
Drying and fluffing machine, Laundry. M. Troy. 2,506,476, May 2.
Drying and pulverizing method and apparatus. N. H. Andrews and J. L. Speirs. 2,494,153, Jan. 10.
Drying and shrinking matrices. C. C. Baker. 2,517,273, Aug. 1.
Drying and treating apparatus of the treated material vibrating type, Grain. F. B. Todd. 2,497,703, Feb. 14.
Drying and tumbling apparatus. H. D. Forse. 2,509,765, May 30.
Drying apparatus. G. Schwietert. 2,512,903, June 27.
Drying apparatus. P. L. Wigton. 2,535,109, Dec. 26.
Drying apparatus for molds. C. F. Mayer. 2,509,396, May 30.
Drying apparatus, Hair. A. Newman. 2,496,597, Feb. 7.
Drying apparatus having operation sequence control. H. F. Gorsuch. 2,505,041, Apr. 25.
Drying apparatus, Portable hair. L. Fletcher. 2,516,378, July 25.
Drying apparatus, Yeast. A. M. Fischer. 2,521,706, Sept. 12.
Drying appliance for domestic use, Mechanical clothes. H. P. Houser. 2,534,771, Dec. 19.
Drying by fluidization of the work. P. A. Shaw. 2,513,369, July 4.
Drying compositions, Dextran base wrinkle. E. L. Luaces. 2,503,622–4, Apr. 11.
Drying compositions, Synthetic. S. O. Greenlee. 2,504,518, Apr. 18.
Drying food. H. Borsook. 2,510,543, June 6.
Drying foods. E. K. Ketcham, C. F. May, and E. E. Jagow. 2,522,276, Sept. 12.
Drying fruit or vegetable materials containing added methyl cellulose. C. W. Eddy. 2,496,278, Feb. 7.
Drying furnace. D. J. McGowan, A. F. Haller, and L. L. Hebberd. 2,531,148, Nov. 21.
Drying gas in electrical apparatus. M. Unger. 2,505,581, Apr. 25.
Drying gases. J. H. McAteer, C. E. Morrell, J. K. Small, and H. L. Yowell. 2,530,129, Nov. 14.
Drying hops. V. A. Bloxham. 2,510,372, June 6.
Drying house. R. E. Mayo. 2,529,621, Nov. 14.
Drying inorganic hydrogel particles. C. N. Kimberlin, Jr., and J. A. Pierce. 2,503,913, Apr. 11.

Drying lumber. B. E. Barksdale, Sr. 2,507,190, May 9.
Drying machine. R. C. Parkes. 2,501,537, Mar. 21.
Drying machine. M. T. Sohanin. 2,509,175, May 23.
Drying machine, Can. C. J. Kolper and F. Drega. 2,504,932, Apr. 18.
Drying material, Method and apparatus for. O. A. Wright. 2,520,871, Aug. 29.
Drying, Method of and apparatus for. H. A. Kuljian. 2,501,776, Mar. 28.
Drying of starchy foodstuffs. E. J. Rivoche. 2,520,891, Aug. 29.
Drying of yarns and the like. R. F. Conaway and I. V. Hitt. 2,495,053, Jan. 17.
Drying oil, Modified. J. Nichols. 2,497,904, Feb. 21.
Drying oils. P. Kass and J. Nichols. 2,497,890, Feb. 21.
Drying protein. E. Erickson. 2,502,134, Mar. 28.
Drying sirup. W. R. Fetzer. 2,502,935, Apr. 4.
Drying textile materials by high-frequency electric fields, Method and apparatus for. W. N. Frye. 2,511,839, June 20.
Drying wood. M. S. Hudson. 2,535,925, Dec. 26.
Dual action safety brake. C. E. Wilson. 2,518,411, Aug. 8.
Dual electric motor series parallel starting circuit. J. W. Woolf. 2,530,279, Nov. 14.
Dual flowing device. O. Cranfill. 2,531,258, Nov. 21.
Dual flush valve. E. L. Brebis. 2,505,091, Apr. 25.
Dual frequency electric control circuit. G. H. Pettibone and J. L. Bower. 2,512,377, June 20.
Dual lever friction clutch. R. S. Root. 2,496,411, Feb. 7.
Dual power split-field antitank telescope. J. L. Greenstein and L. G. Henyey. 2,527,719, Oct. 31.
Dual purpose chair. N. Levine. 2,508,177, May 16.
Dual-purpose container. W. H. Cleary. 2,510,211, June 6.
Dual-purpose, wand actuated suction cleaner tool. R. L. Hallock. 2,516,205, July 25.
Dual rate and/or reversed charging in automatic telephony. J. E. Ostline. 2,535,510, Dec. 26.
Dual-rotation transfer-bearing thrust plate. J. E. Anderson. 2,512,005, June 20.
Dual seal closure. C. P. Krupp. 2,532,724, Dec. 5.
Dual spindle machine tool. E. R. Lochman. 2,499,193, Feb. 28.
Dual wheel. C. S. Ash. 2,507,876, May 16.
Dual wheel. C. S. Ash. 2,511,144, June 13.
Dual wheel mounting. C. S. Ash. 2,507,134, May 9.
Dual wheel mounting. R. B. Temple. 2,507,285, May 9.
Duck caller. G. J. Yentzen. 2,493,472, Jan. 3.
Duct assembly for dehydrators, Discharge. W. L. McGehee. 2,504,714, Apr. 18.
Duct booster. R. H. McElroy. 2,494,772, Jan. 17.
Duct or the like. F. Deitsch. 2,498,753, Feb. 28.
Dump body, High-lift. C. D. Hughes. 2,499,919, Mar. 7.
Dump, Portable elevator. H. Druschel. 2,516,686, July 25.
Dump truck chute support. A. L. Cresci. 2,535,841, Dec. 26.
Dump vehicle. H. I. Gustafson. 2,525,899, Oct. 17.
Dump vehicle. G. J. Vermeer. 2,497,333, Feb. 14.
Dumper, Field fruit box. J. Blasiola. 2,513,076, June 27.
Dumper, Well clay. G. W. Green. 2,528,225, Oct. 31.
Dumping body. A. T. Klingebiel. 2,529,558, Nov. 14.
Dumping control for scrapers. K. E. Reischl. 2,508,421, May 23.
Dumping device for milk cans. H. M. Kendall. 2,509,393, May 30.
Dumping machine, Box. A. J. Kroner. 2,515,718, July 18.
Dumping mechanism for farm vehicles. L. R. Jacobs and G. R. Halterman. 2,493,877, Jan. 10.
Dumping mechanism for mold conveyers. R. J. Anderson. 2,535,715, Dec. 26.
Duplexing system, Radio pulse. R. M. Page. 2,512,673, June 27.
Dust arrester. J. P. Donohue. 2,507,335, May 9.
Duster, Bun. R. G. White. 2,506,185, May 2.
Dust clog indicator. W. R. Rose. 2,493,164, Jan. 3.
Dust collecting apparatus for use with grinding wheels. W. Muller. 2,501,287, Mar. 21.
Dust collector. E. A. Glynn. 2,535,281, Dec. 26.
Dust collector. S. S. Meisler. 2,493,156, Jan. 3.
Dust collector. E. B. Miller. 2,500,851, Mar. 14.
Dust collector. G. C. Polk. 2,515,894, July 18.
Dust conveying. L. R. MacLeod. 2,499,766, Mar. 7.
Dust eliminator for ash cans. C. V. Rentz. 2,529,965, Nov. 14.
Dust extracting device. U. O. Blomquist and S. W. Wallin. 2,533,991, Dec. 12.
Dust filter. H. J. Hersey, Jr. 2,495,635, Jan. 24.
Dust filter. H. R. Hutchings. 2,534,600, Dec. 19.
Dust handling system, Automatic. L. E. Mylting. 2,514,333, July 4.
Dust mop cleaner. L. R. Kortick. 2,526,485, Oct. 17.
Dust of slaked lime and a halophenoxycarboxylate weed killer, Preparing. F. P. Stowell. 2,497,636, Feb. 14.
Dustpan. E. J. Dubaime. 2,515,117, July 11.
Dustpan, Covered. W. F. Malone. 2,496,735, Feb. 7.
Dustpan with automatic sweeping mechanism. V. Filonowicz. 2,502,936, Apr. 4.
Dust-precipitating means with separable plate-assembly units. G. W. Penney. 2,528,842, Nov. 7.
Dust receiving tank. R. Elfler. 2,516,509, July 25.
Dust removal machine, Pneumatic, J. G. Hollick. 2,515,223, July 18.
Dust separating and collecting machine. R. P. Ellis. 2,500,747, Mar. 14.
Duster. R. R. Root. 2,514,516, July 11.
Duster, Mine. J. O. Wilson. 2,521,888, Sept. 12.
Duster, Powder. V. G. R. Allenne. 2,515,485, July 18.
Duster, Revolving. K. Kharibian. 2,497,996, Feb. 21.
Dustless heavy-duty suction cleaner. O. Soergel. 2,514,809, July 11.
Dye, Coppered azo. H. W. Grimmel and J. F. Morgan. 2,534,197, Dec. 12.
Dye pigment. W. B. Blumenthal. 2,492,959, Jan. 3.
Dye, Solubilized azo. M. H. Gold and H. H. Levine. 2,526,218, Oct. 17.
Dyeing acrylonitrile polymers by applying an insoluble azo dyestuff and then heating. R. B. Baker. 2,532,437, Dec. 5.
Dyeing and developing machine, Continuous. B. V. Stec. 2,501,480, Mar. 21.
Dyeing animal hairs with anthraquinone vat dyestuffs. A. E. Weber. 2,508,203, May 16.
Dyeing assistants, Tippy wool. A. A. Cook and I. Sapers. 2,524,041, Oct. 3.
Dyeing basic nitrogenous fibers by the metachrome process with chromable azo dyes having nitrogen free substituents ortho to the azo group. C. A. Amick, W. H. Watkins, and H. E. Millson. 2,520,080, Aug. 22.
Dyeing cellulose derivatives in the presence of inorganic thiocyanates and organic acids. G. W. Seymour and G. C. Ward. 2,518,644, Aug. 15.
Dyeing cellulose esters and ethers with alkaline aqueous solutions of leuco vat dyes containing diacetone alcohol. H. C. Olpin and E. Stanley. 2,524,073, Oct. 3.
Dyeing cone wound yarn. W. D. MacNeill. 2,513,418, July 4.
Dyeing keratinous fibers. E. B. Michaels and B. Berk. 2,501,184, Mar. 21.
Dyeing machine. F. Roselene. 2,513,209, June 27.
Dyeing nylon with dilute solutions of acid dyes. W. H. Sharkey. 2,499,787, Mar. 7.
Dyeing of acrylonitrile polymers using acetate dyes and m-cresol as an assistant. J. C. Richards. 2,512,969, June 27.
Dyeing of cellulose acetate with acid dyes in an aqueous solution containing a mixture of swelling agents. J. A. Woodruff. 2,517,751, Aug. 8.
Dyeing of cellulose derivative fabrics made from sized spun staple fibers followed by desizing, Pad. W. T. Normand. 2,511,938, June 20.
Dyeing of cellulose derivative textile materials with an acid dye in a swelling solution followed by washing with an aqueous salt solution. H. C. Olpin and E. Stanley. 2,519,498, Aug. 22.
Dyeing of cellulose esters with reduced vat dyes in alcoholic solution. E. R. Laughlin and R. W. Foulk. 2,518,153, Aug. 8.
Dyeing organic acid ester of cellulose textile materials with an aqueous solution of a normally acid-fading dyestuff, lower aliphatic alcohol, thiocyanate, and alkali metal hydroxide. W. H. Hindle. 2,495,810, Jan. 31.
Dyeing organic derivative of cellulose textile material with an aqueous solution comprising a leuco vat dye, a water-miscible organic base, and diacetone alcohol. H. C. Olpin and E. Stanley. 2,524,072, Oct. 3.
Dyeing plastic articles with an aqueous dispersion of dye dissolved in a plasticizer. L. F. Koberlein. 2,524,811, Oct. 10.
Dyeing process for wood, Single-bath chrome. F. Felix, A. Heckendorn, E. Reich, and F. Oesterlein. 2,496,386, Feb. 7.
Dyeing process using azo dyes having naphtholsulfonamide groups, Single bath chrome. W. Widmer, A. Heckendorn, and E. Mannhart. 2,534,647, Dec. 19.
Dyeing protein fibers with chromable anthraquinone colors by the metachrome process. W. H. Watkins, H. E. Millson, and C. A. Amick. 2,520,103, Aug. 22.
Dyeing with 3,4-thiolanedithione. P. D. Caesar. 2,515,922, July 18.
Dyeings metallized with aluminum, manganese, iron, cobalt, nickel, copper, tin, and zirconium, Producing. G. L. Royer and C. A. Amick. 2,520,106, Aug. 22.
Dyes containing a terminal 5-membered nitrogenous heterocyclic ring system, Preparing trinuclear cyanine. T. R. Thompson. 2,518,730, Aug. 15.
Dyes containing an isoquinoline nucleus, Methine. F. L. White and L. G. S. Brooker. 2,518,737, Aug. 15.
Dyes, Cyanine sensitizing. E. B. Middleton. 2,524,675, Oct. 3.
Dyes from trimethylacetoacetonitrile, Metallizable. R. S. Long. 2,525,611, Oct. 10.
Dyes from trimethylacetoacetonitrile, Metallized. R. S. Long. 2,525,610, Oct. 10.
Dyes of benzanthrone diacridine series, Vat. J. Deinet. 2,505,234, Apr. 25.
Dyes, Preparing trinuclear cyanine. T. R. Thompson. 2,504,468, Apr. 18.
Dyestuff, Monazo. K. F. Conrad. 2,499,133, Feb. 28.
Dyestuffs, Anthraquinone acid. C. G. Vogt. 2,499,431, Mar. 7.
Dyestuffs as photographic coupling components, Azo. J. E. Beersmans. 2,515,691, July 18.

Dyestuffs containing two heterocyclic nitrogen nuclei and an alkyl mercapto methinyl linking radical and their preparation. H. D. Edwards and J. D. Kendall. 2,531,973, Nov. 28.
Dyestuffs, Copperable disazo. W. Bossard and M. Reding. 2,515,546, July 18.
Dyestuffs from S-(thiazolyl-2)-thioglycollic acid and preparing same. G. F. Duffin and J. D. Kendall. 2,513,923, July 4.
Dyestuffs, Monoazo. W. Widmer and H. Zollinger. 2,505,268, Apr. 25.
Dyestuffs of the anthraquinone acridone series. F. Max and D. I. Randall. 2,507,479, May 9.
Dyestuffs of the anthraquinone series. E. Gutzwiller. 2,494,240, Jan. 10.
Dyestuffs of the anthraquinone series. F. H. Slinger and W. W. Tatum. 2,517,935, Aug. 8.
Dyestuffs of the pyrazolone series and making same, Asymmetric azo. P. Hindermann. 2,505,244, Apr. 25.
Dyestuffs of the stilbene series and their manufacture. M. Kappeler. 2,518,020, Aug. 8.
Dyestuffs, Production of cyanine. J. D. Kendall and F. P. Doyle. 2,505,496, Apr. 25.
Dyestuffs, Production of photographic sensitizing. J. D. Kendall and F. P. Doyle. 2,505,497, Apr. 25.
Dyestuffs, Vat. W. Fioroni. 2,530,010, Nov. 14.
Dyestuffs, Vat. J. Koch. 2,518,150, Aug. 8.
Dyestuffs, Wool. H. France and N. H. Haddock. 2,505,284, Apr. 25.
Dynamic balancing. R. A. Palmer. 2,522,958, Sept. 19.
Dynamic pressure measurement. R. B. Willoughby. 2,509,621, May 30.
Dynamoelectric apparatus. A. Winther. 2,524,153, Oct. 3.
Dynamoelectric apparatus and current collector conditioning members therefor. H. M. Elsey. 2,501,321, Mar. 21.
Dynamoelectric machine. M. Anderson. 2,497,650, Feb. 14.
Dynamoelectric machine. S. E. Gail. 2,521,510, Sept. 5.
Dynamoelectric machine. W. H. T. Holden. 2,511,207, June 13.
Dynamoelectric machine. R. Lee. 2,518,479, Aug. 15.
Dynamoelectric machine. F. W. Merrill. 2,519,919, Aug. 22.
Dynamoelectric machine. J. W. Reardon and M. A. Baker. 2,519,065, Aug. 15.
Dynamoelectric machine. G. A. Reinhard. 2,523,520, Sept. 26.
Dynamoelectric machine. D. F. Smalley. 2,534,150, Dec. 12.
Dynamoelectric machine. F. W. Suhr. 2,508,125, May 16.
Dynamoelectric machine. M. A. Whiting. 2,514,983, July 11.
Dynamoelectric machine. B. B. Winer. 2,512,406, June 20.
Dynamo electric machine and making same. P. I. Chandeysson. 2,499,211, Feb. 28.
Dynamoelectric machine cast winding rotor and making. A. A. Britain and R. L. Strode, Jr. 2,509,720, May 30.
Dynamoelectric machine commutation. C. A. Thomas. 2,521,551, Sept. 5.
Dynamoelectric machine commutation control means. R. Pohl. 2,516,588, July 25.
Dynamoelectric machine containing a magnetic fluid mixture. M. P. Winther. 2,525,571, Oct. 10.
Dynamoelectric machine field reversing system responsive to armature current. A. C. Halter. 2,523,047, Sept. 19.
Dynamoelectric machine, Totally enclosed. G. L. Ringland. 2,526,047, Oct. 17.
Dynamoelectric machine with bearing cooling means. P. S. Potts. 2,521,535, Sept. 5.
Dynamoelectric machine with residual field compensation. C. A. Thomas. 2,510,669, June 6.
Dynamo electrical machine. F. J. Allen. 2,519,097, Aug. 15.
Dynamo field control by unsaturated reactors. C. M. Avery. 2,519,339, Aug. 22.
Dynamometer. H. M. Martin. 2,511,674, June 13.
Dynamometer. E. D. Smith. 2,520,696, Aug. 29.
Dynamometer, Eddy current. E. D. Smith. 2,529,974, Nov. 14.
Dynamometer, Electric. W. Ramberg. 2,493,029, Jan. 3.
Dynamometer, Impact. J. M. Oberholtzer. 2,499,033, Feb. 28.
Dynamometer, Tension. P. Eisenberg. 2,513,295, July 4.
Dynamometer, Towing. R. F. Stainback. 2,503,304, Apr. 11.
Dynodes, Method and apparatus for making. W. S. McLean. 2,533,387, Dec. 12.
Ear cleaner. F. L. Davis. 2,510,961, June 13.
Ear clip. P. Dauvergne. 2,509,726, May 30.
Ear cushion with earplug. A. E. Woodruff and T. C. Riebe. 2,513,985, July 4.
Ear for handle bails, Reinforcing. R. G. Curtis. 2,494,507, Jan. 10.
Earphone. C. M. R. Balbi. 2,528,811, Nov. 7.
Earphone insertable in the ear of the user, Magnetic insert. H. A. Pearson. 2,493,734, Jan. 3.
Earpiece for receivers, Adjustable. D. W. Martin. 2,529,562, Nov. 14.
Earpiece with inflatable sealing means. R. B. Bland. 2,535,258, Dec. 26.
Earpiece with plural sound passages. W. R. Coley. 2,506,490, May 2.
Earring. H. Mailand. 2,502,386, Mar. 28.
Earring. J. McCann. 2,511,170, June 13.
Earring. W. F. Mittendorf. 2,510,511, June 6.
Earring construction. C. Silverman. 2,516,652, July 25.
Earth boring machine. L. J. Applegate. 2,509,410, May 30.
Earth boring tool. G. L. Michael. 2,499,252, Feb. 28.
Earth drill bit. C. B. Day and E. G. Gault. 2,524,428, Oct. 3.
Earth mover. E. W. Austin. 2,529,124, Nov. 7.
Earth mover, Motor powered. G. I. Clark. Re. 23,251, Aug. 1.
Earth-moving apparatus. M. E. Wood. 2,513,700, July 4.
Earth moving equipment. L. L. Hyler. 2,529,159, Nov. 7.
Earth moving or leveling machine. R. E. Stevenson. 2,526,589, Oct. 17.
Earth scraper. B. R. Rose and G. M. Allen. 2,503,415, Apr. 11.
Earth spillage preventer and deflector for scrapers. R. G. Le Tourneau. 2,510,895, June 6.
Earth tiller, Resilient rotary. G. W. Dooley. 2,503,474, Apr. 11.
Earthenware and glaze therefor, Glazing. A. F. M. Claudet. 2,498,912, Feb. 28.
Easel. G. K. Gauff. 2,518,877, Aug. 15.
Easel. B. A. Hoffmann. 2,522,270, Sept. 12.
Easel. A. A. Ohlandt, Sr. 2,504,220, Apr. 18.
Easel. W. F. Steiner. 2,515,359, July 18.
Easel. R. A. Zander. 2,526,527, Oct. 17.
Easel, Painter's. J. Dumas. 2,524,898, Oct. 10.
Easel, Photographic printing. K. C. De Groff. 2,496,701, Feb. 7.
Easel, Portable presentation. W. H. Pember, Sr. 2,515,313, July 18.
Easel supporting means, Enlarging. H. A. A. A. de Gramont de Guiche. 2,495,510, Jan. 24.
Easily detachable nonskid chain. J. Sweeney. 2,506,247, May 2.
Easy opening container. J. Henchert. 2,533,934, Dec. 12.
Easy packing container. J. R. Belsinger. 2,512,539, June 20.
Eccentric drive gear. S. Rzepela. 2,506,110, May 2.
Eccentric follower mechanism. G. B. Wood, Jr. 2,508,557, May 23.
Echo ranging system, Pulse modulated. W. E. Bradley. 2,532,221, Nov. 28.
Echo sounder and other device for distance measuring in water. J. Watt. 2,530,035, Nov. 14.
Echo sounder and similar distance measuring devices. H. Hassan. 2,516,982, Aug. 1.
Eddy-current generator. R. C. Goertz. 2,519,365, Aug. 22.
Eddy current preloaded controllable speed motor. F. W. Wendelburg and E. C. Brekelbaum. 2,493,607, Jan. 3.
Edge bonding machine. J. P. Frisch. 2,526,342, Oct. 17.
Edge cleaning apparatus. J. R. Marcus and F. W. Turner. 2,533,948, Dec. 12.
Edge finder. J. G. Radtke. 2,533,198, Dec. 5.
Edge-gluing veneer sheets, Method of and apparatus for. A. R. Welch. 2,516,280, July 25.
Edge lighted sign. E. Haecker. 2,499,824, Mar. 7.
Edge securing means, Rolled. E. I. Axlrod. 2,527,903, Oct. 31.
Edge tool. R. A. J. Wilson. 2,497,482, Feb. 14.
Edge trimmer, Grass. V. Flick. 2,508,819, May 23.
Edger. S. Velotta. 2,514,593, July 11.
Edger for lawn mowers. J. D. Rust. 2,518,187, Aug. 8.
Edger, Lawn. H. C. Beck. 2,496,327, Feb. 7.
Edger, Lawn. R. Cochran. 2,496,377, Feb. 7.
Edging for table tops. J. Flicker. 2,509,037, May 23.
Edging machine. G. E. Bonin. 2,508,009, May 16.
Edible dishes, Making. F. W. Moffett, Jr. 2,508,724, May 23.
Editing and inspection of invisible sound tracks. D. L. Blaney. 2,530,564, Nov. 21.
Educational and display device. E. Newbury. 2,519,922, Aug. 22.
Educational apparatus. J. N. Gonzalez. 2,493,668, Jan. 3.
Educational apparatus. A. Tellier. 2,496,827, Feb. 7.
Educational apparatus. A. Tellier. 2,533,535, Dec. 12.
Educational art and apparatus. W. D. Smith. 2,524,143, Oct. 3.
Educational contrivance. O. C. Rowe. 2,506,894, May 9.
Educational device. M. C. Grace. 2,535,849, Dec. 26.
Educational device. A. Pascoo. 2,500,263, Mar. 14.
Educational device. I. P. Pescatori. 2,512,837, June 27.
Educational device. O. W. Phillips. 2,500,565, Mar. 14.
Educational device. N. Poritz. 2,503,130, Apr. 4.
Educational device. R. E. Reinnagel. 2,498,578, Feb. 21.
Educational device. M. Rosenfeld. 2,507,223, May 9.
Educational device. G. W. Speirs. 2,524,548, Oct. 3.
Educational device. T. R. Sturman. 2,506,001, May 2.
Educational device. B. L. Trapnell. 2,494,497, Jan. 10.
Educational device. F. A. Wade and W. Metzner. 2,502,238, Mar. 28.
Educational device, Electric. P. V. McCash. 2,499,323, Feb. 28.
Educational device for visually demonstrating atomic structure B. P. Ramsay. 2,516,418, July 25.

Effecting catalytic conversions with finely divided catalysts. D. L. Cleveland, J. A. Hatton, and G. C. Montgomery. 2,501,436, Mar. 21.
Effecting chemical reactions, Process and apparatus for. W. C. Offutt, M. C. Fogle and R. W. Helwig. 2,517,339, Aug. 1.
Effecting dissociative conversion of organic compounds. A. D. Garrison. 2,516,973, Aug. 1.
Effecting electric power transformation, Method and apparatus for. H. L. Kellogg and B. D. Bedford. 2,523,027, Sept. 19.
Effecting expansion of gas, Method and apparatus. A. G. Brown. 2,512,916, June 27.
Effecting hermetic closures in cartons and containers. W. A. Ringler. 2,501,852, Mar. 28.
Egg beater. R. P. De Vault. 2,499,371, Mar. 7.
Egg case. H. D. Tichenor. 2,528,256, Oct. 31.
Egg cleaner. L. W. Caldwell. 2,513,449, July 4.
Egg cutter. R. Marceca. 2,525,923, Oct. 17.
Egg holder. J. R. Toney. 2,531,955, Nov. 28.
Egg holder and breaker. N. Nastrom. 2,505,717, Apr. 25.
Egg material, Manufacture of dried. W. J. Patterson. 2,531,343, Nov. 21.
Egg method and container, Frozen. L. Schwartzberg. 2,496,755, Feb. 7.
Egg mold. J. B. Stier. 2,497,280, Feb. 14.
Egg opening means. E. D. Smith. 2,524,844, Oct. 10.
Egg rearranging and feeding device. C. Page. 2,531,292, Nov. 21.
Egg separator. M. Polcar. 2,523,777, Sept. 26.
Egg separator. E. C. Thorpe and W. C. Shiew. 2,496,567, Feb. 7.
Eggshell remover, Hard-boiled. C. K. Yeamans. 2,535,980, Dec. 26.
Egg-sorting machine, Adjustable range. C. Page. 2,517,341, Aug. 1.
Egg washer. R. W. Lesher. 2,529,090, Nov. 7.
Egg yolk and white separator. O. W. Groeber and W. McCord. 2,533,365, Dec. 12.
8-haloxanthine salts of α-phenyl-α-2-pyridylalkyl dialkylaminoalkyl ethers and the production thereof. J. W. Cusic. 2,534,238, Dec. 19.
8-haloxanthine salts of aminoalkyl phenothiazines and the production thereof. J. W. Cusic. 2,534,237, Dec. 19.
8-haloxanthine salts of cyclic-aminoalkyl benzohydryl ethers and the production thereof. J. W. Cusic. 2,534,813, Dec. 19.
8-haloxanthine salts of dialkylaminoalkyl o-benzylphenyl ethers and the production thereof. J. W. Cusic. 2,534,236, Dec. 19.
8-haloxanthine salts of dialkylaminoalkyl type antihistamine bases. J. W. Cusic. 2,534,235, Dec. 19.
8-haloxanthine salts of diarylalkyamines and the production thereof. J. W. Cusic. 2,534,239, Dec. 19.
8-haloxanthine salts of diarylalkyl dialkylaminoalkyl ethers. J. W. Cusic. 2,499,058, Feb. 28.
8-haloxanthine salts of N,N-dialkyl-N′-arylmethyl-N′-pyrimidyl-alkylenediamines and preparing same. J. W. Cusic. 2,534,246, Dec. 19.
8-haloxanthine salts of N,N-dialkyl-N′-aryl-N′-thenylethylenediamines. J. W. Cusic. 2,534,241, Dec. 19.
8-haloxanthine salts of N,N-dialkyl-N′-pyridyl-N′-thenylalkylenediamines and the production thereof. J. W. Cusic. 2,534,240, Dec. 19.
8-haloxanthine salts of 1-aryl-1-pyridyl-3-dialkylaminoalkanes and the production thereof. J. W. Cusic. 2,534,243, Dec. 19.
8-haloxanthine salts of 1-diarylmethyl-4-alkylpiperazine. J. W. Cusic. 2,534,247, Dec. 19.
8-haloxanthine salts of 3′-dialkylaminomethyl-4,5,6-trihydroxybenzo-(1,2)-furan-1′-(3′)-ones. J. W. Cusic. 2,534,245, Dec. 19.
8-haloxanthine salts of 2-alkyl-9-phenyl-2,3,4,9-tetrahydro-1-pyridindenes and the production thereof. J. W. Cusic. 2,534,242, Dec. 19.
8-haloxanthine salts of 2-(phenylbenzylamino-methyl) imidazoline and the production thereof. J. W. Cusic. 2,534,244, Dec. 19.
Ejecting and coding means for recording devices. P. F. Elarde. 2,520,918, Sept. 5.
Ejecting cinders and the like from locomotive smoke boxes, Method and apparatus for. R. R. McIntosh. 2,516,714, July 25.
Ejecting device for parachutists. E. Nordquist. 2,524,355, Oct. 3.
Ejecting device, Retractable. J. Brown. 2,502,416, Apr. 4.
Ejecting means for chair stabilizing drogue parachutes. J. Martin. 2,502,470, Apr. 4.
Ejecting mechanism for slug casting machines. R. H. Turner. 2,531,311, Nov. 21.
Ejector and moistener, Cigarette package. J. E. Pollack. 2,497,627, Feb. 14.
Ejector apparatus. G. A. Worn. 2,519,531, Aug. 22.
Ejector detent. C. G. Swebillus. 2,500,139, Mar. 7.
Ejector for keys, Automatic. A. Moebes and A. Briggs, Sr. 2,498,288, Feb. 21.
Ejector for rotary can filling machines, Fluid operated material. W. G. Tyrrell. 2,498,100, Feb. 21.
Ejector for wrapping machines. P. Pierce, Jr. 2,533,177, Dec. 5.
Ejector, Pilot chute. A. T. Stretch, Jr. 2,495,393, Jan. 24
Ejector pin and breechblock assembly for firearms. D. M. Williams. 2,494,220, Jan. 10.
Ejector, Saliva. B. Lumian. 2,504,557, Apr. 18.
Ejector, Tool. O. E. Schauer. 2,509,990, May 30.
Ejector unloading apparatus for vehicles. F. E. Knapp, Jr. 2,512,339, June 20.
Elastic fabric. P. J. Ahlers. 2,518,110, Aug. 8.
Elastic hydrocarbon-substituted polysiloxanes and tertiary butyl perbenzoate as catalyst. J. Marsden. 2,521,528, Sept. 5.
Elastic vehicle wheel. K. K. Augustin. 2,525,333, Oct. 10.
Elastomer reinforced with a modified clay. L. W. Carter, J. G. Hendricks, and D. S. Bolley. 2,531,396, Nov. 28.
Elastomer-resin compositions. L. E. Daly. 2,505,349, Apr. 25.
Electric accumulators, Lead-acid type. W. E. Batt. 2,533,709, Dec. 12.
Electric air circulating heater. C. K. Yeamans. 2,511,139, June 13.
Electric air circulating oil well heater. J. S. Young. 2,530,445, Nov. 21.
Electric apparatus consisting of a support provided with a covering layer of poor conductivity. J. Kramer. 2,534,356, Dec. 19.
Electric arc drill. I. C. McKechnie, R. E. Blue, and L. E. Oliphant. 2,501,954, Mar. 28.
Electric arc welding. Z. E. Olzak. 2,522,482, Sept. 12.
Electric attachment plug. L. Ludwig. 2,519,584, Aug. 22.
Electric band-pass filter. R. Terlecki and R. C. Leigh. 2,525,566, Oct. 10.
Electric brake. F. McCurtain. 2,501,401, Mar. 21.
Electric brake. E. H. Piron. 2,515,468, July 18.
Electric bath. R. Rouat. 2,530,442, Nov. 21.
Electric blanket control. A. E. Rudahl. 2,510,038–41, May 30.
Electric burner. J. W. Hebert. 2,502,787, Apr. 4.
Electric cartridge fuse holder. W. E. Hill and T. D. G. Wintle. 2,526,947, Oct. 24.
Electric circuit. E. L. Phillipi and C. R. Smith. 2,517,131, Aug. 1.
Electric comparing mechanism. M. Robineau. 2,511,996, June 20.
Electric conductor, Identifiable. G. W. Brown. 2,516,751, July 25.
Electric connector. S. N. Buchanan. 2,499,296–7, Feb. 28.
Electric connector. E. P. Smith. 2,502,634, Apr. 4.
Electric contact apparatus. F. Kesselring. 2,499,394, Mar. 7.
Electric control. W. E. Winterhalter and E. E. Vonada. 2,494,852, Jan. 17.
Electric control circuit. R. E. Mumma. 2,524,115, Oct. 3.
Electric control circuit. G. H. Pohm. 2,530,784, Nov. 21.
Electric control device. G. C. Crowley. 2,530,003, Nov. 14.
Electric control element. F. R. Quinn. 2,528,243, Oct. 31.
Electric control switch. E. A. Hobart. 2,506,787, May 9.
Electric control system. O. R. Carpenter and F. W. Armstrong, Jr. 2,518,222, Aug. 8.
Electric control system for direct-current motors. R. L. Klar, Jr. 2,516,577, July 25.
Electric control unit. R. A. Haigh. 2,527,061, Oct. 24.
Electric controlling apparatus. A. M. Cohen. 2,496,120, Jan. 31.
Electric cord reel. H. F. Keller. 2,521,226, Sept. 5.
Elastic coupling. J.-F. Paulsen. 2,514,897, July 11.
Electric coupling. H. L. Shaw. 2,520,739, Aug. 29.
Electric current and voltage indicator. R. W. Elliott. 2,509,815, May 30.
Electric current generator. W. S. Pajes. 2,524,826, Oct. 3.
Electric current rectifying couple and forming same. C. R. Ogle and P. B. Freeman. 2,501,785, Mar. 28.
Electric cutout. B. R. Hermann and F. L. Flanagan. 2,532,811, Dec. 5.
Electric dart board. J. H. Hill. 2,501,218, Mar. 21.
Electric device for the operation of X-ray tubes. H. B. G. Casimir. 2,525,205, Oct. 10.
Electric discharge device. W. R. Baker. 2,512,538, June 20.
Electric discharge device. V. L. Holdaway. 2,518,319, Aug. 8.
Electric discharge device. L. R. Peters. 2,530,990, Nov. 21.
Electric discharge device. A. H. Reeves. 2,517,599, Aug. 8.
Electric discharge device. A. H. Reeves. 2,520,171, Aug. 29.
Electric discharge device and cavity resonator apparatus therefor, Ultra high frequency. E. D. McArthur and J. E. Beggs. Re. 23,284, Oct. 17.
Electric discharge device construction. R. J. Bondley. 2,523,750, Sept. 26.
Electric discharge device construction. E. Lemmers. 2,512,280, June 20.
Electric discharge device for the amplification of short waves. K. S. Knol and A. van der Ziel. 2,531,277, Nov. 21.
Electric discharge lamp. R. L. Breadner, H. G. Jenkins, and C. H. Simms. 2,501,375–6, Mar. 21.

Electric discharge lamp. W. F. MacGregor. 2,512,282, June 20.
Electric discharge lamp. F. T. O'Hearn. 2,496,065, Jan. 31.
Electric discharge tube. G. F. Asker. 2,495,681, Jan. 31.
Electric discharge tube. G. H. Hough, C. D. White, and W. D. R. Rivers. 2,527,552, Oct. 31.
Electric discharge tube. J. L. H. Jonker and B. O. M. Gall. 2,508,266, May 16.
Electric discharge tube. S. G. Ohlund. 2,518,248, Aug. 8.
Electric discharge tube. W. Six and P. W. Haayman. 2,515,931, July 18.
Electric discharge tube and cooling the anode thereof. P. H. Clay. 2,535,669, Dec. 26.
Electric discharge tubes, Manufacturing. H. Bruining and G. Geeven. 2,527,984, Oct. 31.
Electric distribution system. L. H. Crook. 2,533,920, Dec. 12.
Electric extension cord plug. A. C. Hass. 2,493,871, Jan. 10.
Electric fish plug. R. Ruff. 2,528,083, Oct. 31.
Electric flash welding cylindrical members and product thereof. J. B. Tiedemann. 2,524,369, Oct. 3.
Electric fluid heater. E. L. Grupp. 2,529,688, Nov. 14.
Electric fluid heater. H. C. Inman. 2,513,242, June 27.
Electric furnace. N. O. Christy. 2,494,035, Jan. 10.
Electric furnace resistor support. A. E. Malm. 2,510,507, June 6.
Electric gas-discharge tube. A. A. Padmos and P. Schouwstra. 2,497,512, Feb. 14.
Electric generating system. R. J. Lusk. 2,494,397, Jan. 10.
Electric generator. E. I. Pollard. 2,502,669, Apr. 4.
Electric glass furnace. P. Arbeit. 2,512,761, June 27.
Electric glass furnace. D. Labino. 2,523,030, Sept. 19.
Electric heater. W. J. Aagesen. 2,527,049, Oct. 24.
Electric heater. J. J. Bergun. 2,528,030, Oct. 31.
Electric heater. O. L. Dilworth. 2,528,503, Nov. 7.
Electric heater. A. M. Foote. 2,511,910, June 20.
Electric heater. H. S. Hill. 2,511,848, June 20.
Electric heater. H. Ingram. 2,517,110, Aug. 1.
Electric heater. C. F. Peterson. 2,495,419, Jan. 24.
Electric heater. E. R. Trist. 2,495,788, Jan. 31.
Electric heater. W. R. Tuttle. 2,508,552, May 23.
Electric heating tool. M. Reese. 2,514,092, July 4.
Electric high-frequency oscillation generator. A. T. Starr. 2,521,760, Sept. 12.
Electric immersion heater. H. L. Barnebey. 2,531,385, Nov. 28.
Electric impulse counter. E. R. Millen. 2,527,023, Oct. 24.
Electric impulse generator. E. A. Newman. 2,494,353, Jan. 10.
Electric indicator. T. W. Hallerberg. 2,519,368, Aug. 22.
Electric induction apparatus. G. G. Somerville. 2,534,312, Dec. 19.
Electric iron. I. E. Aske. 2,512,220, June 20.
Electric iron. D. C. Gerber. 2,530,657, Nov. 21.
Electric iron. M. McGraw. 2,511,536, June 13.
Electric iron. R. Opperman. 2,496,746, Feb. 7.
Electric iron. C. M. Osterheld. 2,518,567, Aug. 15.
Electric iron. C. M. Osterheld. 2,520,774, Aug. 29.
Electric iron. C. H. Sparklin. 2,518,503, Aug. 15.
Electric iron cord support. L. Morton. 2,503,124, Apr. 4.
Electric iron curtain ruffler, Hand. S. F. Grierson. 2,530,196, Nov. 14.
Electric joint. J. Havlíček. 2,499,825, Mar. 7.
Electric ladle furnace. V. H. Ferguson. 2,525,882–3, Oct. 17.
Electric lamp. H. R. Levy. 2,530,204, Nov. 14.
Electric lamp. P. H. MacMahon. 2,493,491, Jan. 3.
Electric lamp. L. Rosenfeld. 2,532,821, Dec. 5.
Electric liquid level gauge. W. C. Poetsch. 2,508,290, May 16.
Electric load regulator. A. J. Kercher. 2,521,171, Sept. 5.
Electric machine. N. A. Ramqvist. 2,494,200, Jan. 10.
Electric machine, Rotary. J. G. Ivy. 2,498,274, Feb. 21.
Electric momentary switch. I. M. Sedwitz. 2,496,135, Jan. 31.
Electric motor. W. J. Bauroth. 2,524,872, Oct. 10.
Electric motor. H. J. Bender. 2,508,137, May 16.
Electric motor. L. M. Christian. 2,517,462, Aug. 1.
Electric motor. E. V. Cochran. 2,518,756, Aug. 15.
Electric motor. G. A. Gillen. 2,501,814, Mar. 28.
Electric motor. G. A. Gillen. 2,522,941, Sept. 19.
Electric motor. J. A. Hanley. 2,527,416, Oct. 24.
Electric motor. A. W. Haydon. 2,513,410, July 4.
Electric motor. J. W. Hibbert, A. T. Robertson, and C. Beveridge. 2,531,044, Nov. 21.
Electric motor. C. Nehrke. 2,493,082, Jan. 3.
Electric motor. J. A. Schwarz. 2,525,836, Oct. 17.
Electric motor bearing. E. Bylund. 2,500,978, Mar. 21.
Electric motor controlled valve. F. L. Boylan. 2,509,287, May 30.
Electric motor-driven pump. T. T. Woodson. 2,526,443, Oct. 17.
Electric oil well heater. C. S. Ackley. 2,500,305, Mar. 14.
Electric oil well tubing heater. T. A. Rial. 2,525,314, Oct. 10.
Electric operated clutch. A. L. Gatiss. 2,500,814, Mar. 14.
Electric operating device for raising and lowering landing gear for semitrailers. E. K. and W. E. Mahaffey. 2,523,962, Sept. 26.
Electric operator for overload clutches. R. Hodges and J. H. Klasey. 2,517,108, Aug. 1.
Electric outlet box. J. L. Hook. 2,495,584, Jan. 24.
Electric plug. H. A. Cline. 2,507,092, May 9.
Electric plug. M. Kaplan. 2,496,476, Feb. 7.
Electric plug. L. Ludwig. 2,521,298, Sept. 5.
Electric plug. B. F. Nauslar. 2,506,967, May 9.
Electric plug. I. G. Sellers. 2,507,462, May 9.
Electric plug. S. F. Shoucair. 2,505,918, May 2.
Electric plug. H. E. Waldron. 2,503,012, Apr. 4.
Electric powder control. A. M. Keller. 2,505,049, Apr. 25.
Electric power assistor, Manually controlled. E. G. Staude. 2,534,536, Dec. 19.
Electric power cable. C. E. Bennett. 2,501,305, Mar. 21.
Electric power source. L. Espenschied. 2,509,913, May 30.
Electric power source. W. P. Mason. 2,531,230, Nov. 21.
Electric power supply circuit. J. H. Kirkpatrick, Jr. 2,501,681, Mar. 28.
Electric power supply system. R. Kelly. 2,517,575, Aug. 8.
Electric precipitating apparatus. J. U. F. Andersen. 2,508,133–4, May 16.
Electric precipitating apparatus. J. U. F. Andersen. 2,509,901, May 30.
Electric proportioning control apparatus with reset. W. H. Wannamaker, Jr. 2,533,411, Dec. 12.
Electric proportioning controller with liquid-operated follow-up. D. P. Eckman. 2,530,157, Nov. 14.
Electric protective system. A. J. McConnell. 2,528,237, Oct. 31.
Electric pump. J. L. Gratzmuller. 2,505,395, Apr. 25.
Electric push-button switch. W. Boogaard. 2,504,380, Apr. 18.
Electric radiating heater. A. J. Huck. 2,512,061, June 20.
Electric regulation operated switch. J. L. Creveling. 2,523,752, Sept. 26.
Electric regulator. W. G. Neild. 2,496,743, Feb. 7.
Electric regulator. W. G. Neild. 2,506,234, May 2.
Electric regulator. F. Newton. 2,528,164, Oct. 31.
Electric relay. A. C. Kircher. 2,532,624, Dec. 5.
Electric resistance and making. E. J. W. Verwey and M. G. van Bruggen. 2,524,611, Oct. 3.
Electric resistance and making. E. J. W. Verwey. 2,507,233, May 9.
Electric resistance bodies, Method and device for manufacturing. C. de Lange, P. Goede, and H. J. van den Berge. 2,500,605, Mar. 14.
Electric resistance element and heat-treatment. J. M. Lohr. 2,533 735–6, Dec. 12.
Electric resistance water heater. D. B. Miner. 2,519,920, Aug. 22.
Electric resistances, Making. R. G. McCoy and W. W. Werring. 2,494,051, Jan. 10.
Electric resistor control device. W. R. Poyle. 2,525,179, Oct. 10.
Electric safety lamp. W. Y. Stamper. 2,535,819, Dec. 26.
Electric salt bath furnace. W. Adam, Jr. 2,508,004, May 16.
Electric salt bath furnace. A. F. Holden and A. G. Conrad. 2,512,206, June 20.
Electric sealing iron. W. T. Warren. 2,497,146, Feb. 14.
Electric sign. E. D. McLendon. 2,508,680, May 23.
Electric snap switch. F. J. Trainor. 2,498,020, Feb. 21.
Electric snap switch. F. J. Trainor. 2,524,408–11, Oct. 3.
Electric space heater. A. M. Boxrud. 2,530,806, Nov. 21.
Electric space heater. W. W. Wittle. 2,510,615, June 6.
Electric stage plug. J. C. Rose and A. M. Franklin. 2,516,148, July 25.
Electric strain gauge. G. V. A. Gustafsson. 2,508,456, May 23.
Electric switch. W. G. Bourne. 2,506,196, May 2.
Electric switch. W. G. Bourne. 2,516,670, July 25.
Electric switch. W. E. Brown. 2,496,118, Jan. 31.
Electric switch. J. R. Caldwell and G. N. Lemmon. 2,521,826, Sept. 12.
Electric switch. M. B. Cole. 2,498,531, Feb. 21.
Electric switch. J. M. de Montmollin and T. E. Curtis. 2,510,051, June 6.
Electric switch. W. J. Ettinger. 2,517,392, Aug. 1.
Electric switch. G. F. E. and P. L. M. Galey. 2,516,561, July 25.
Electric switch. W. T. Gray. 2,514,947, July 11.
Electric switch. R. Grey. 2,502,519, Apr. 4.
Electric switch. M. W. Griffes. 2,515,596, July 18.
Electric switch. W. A. Gussow and T. E. Curtis. 2,520,036, Aug. 22.
Electric switch. C. I. Hall. 2,513,934, July 4.
Electric switch. H. E. Heller. 2,532,305, Dec. 5.
Electric switch. H. E. Heller and C. W. Kuhn. 2,521,517, Sept. 5.
Electric switch. R. P. H. Hinds. 2,496,092, Jan. 31.
Electric switch. A. W. Krieger. 2,505,831, May 2.
Electric switch. E. W. Landmeier. 2,497,306, Feb. 14.
Electric switch. J. W. Lawson and W. E. Brown. 2,531,377, Nov. 21.
Electric switch. S. I. Lindell. 2,529,032, Nov. 7.
Electric switch. V. L. Mares. 2,513,950, July 4.
Electric switch. S. Minneci. 2,513,953, July 4.

Electric switch. C. F. Robbins. 2,535,161, Dec. 26.
Electric switch. C. A. Schaefer. 2,513,748, July 4.
Electric switch. E. Scheuermeyer. 2,531,165, Nov. 21.
Electric switch. W. Schmid. 2,529,970, Nov. 14.
Electric switch. E. M. Soreng, L. A. Sanda, and H. Y. Fisher. 2,506,653, May 9.
Electric switch. M. R. Swinehart. 2,517,052, Aug. 1.
Electric switch. R. H. Thomson. 2,515,324, July 18.
Electric switch. J. M. Tyrner. 2,535,556, Dec. 26.
Electric switch. S. O. Unterschuetz and G. P. Gaspar. 2,523,077, Sept. 19.
Electric switch. H. L. Van Valkenburg. 2,513,695, July 4.
Electric switch gear. G. Kilminster. 2,532,172, Nov. 28.
Electric system. R. H. Rines. 2,528,726, Nov. 7.
Electric terminal system. M. A. Losquadro. 2,533,483, Dec. 12.
Electric test probe. M. J. Spendlove. 2,516,657, July 25.
Electric testing apparatus. A. F. Parry. 2,528,475, Oct. 31.
Electric thrust gauge. S. Golden, E. A. Comley and N. E. Alexander. 2,523,464, Sept. 26.
Electric tilting furnace. L. L. Babcock and J. D. Spalding. 2,528,571, Nov. 7.
Electric tilting furnace. H. G. M. Cartoux. 2,527,914, Oct. 31.
Electric traction equipment. L. Heidmann. 2,525,296, Oct. 10.
Electric treater. L. C. Waterman and G. B. Hanson. 2,513,386, July 4.
Electric valve excitation circuit. A. Schmidt, Jr. 2,535,698, Dec. 26.
Electric water heater. P. L. Fowler. 2,498,950, Feb. 28.
Electric water heater. F. Graves. 2,507,902, May 16.
Electric wavemeter. C. N. Smyth and A. S. Wade. 2,517,605, Aug. 8.
Electric wire connecting clamp. L. Frank. 2,525,123, Oct. 10.
Electrical and mechanical energy from thermal energy, Method and apparatus for producing. C. Chilowsky. 2,510,800–1, June 6.
Electrical apparatus. A. Alford. 2,516,500, July 25.
Electrical apparatus. R. H. Dicke. 2,527,712, Oct. 31.
Electrical apparatus. C. A. P. Johnson and A. T. Morrison. 2,500,184, Mar. 14.
Electrical apparatus. G. J. Knudson. 2,515,234, July 18.
Electrical apparatus. H. W. Kohler. 2,512,655, June 27.
Electrical apparatus. J. Razek. 2,535,232, Dec. 26.
Electrical apparatus. C. W. Sherwin and H. A. Straus. 2,532,576, Dec. 5.
Electrical apparatus. J. H. Williams. 2,507,428, May 9.
Electrical apparatus comprising a wiring cast by extrusion. E. M. H. Lips. 2,512,162, June 20.
Electrical apparatus for measuring electrostatic voltages. D. Bulgin. 2,531,609, Nov. 28.
Electrical apparatus for servicing automobiles. I. W. Folk. 2,535,279, Dec. 26.
Electrical apparatus for treating emulsions. D. W. Turner. 2,527,690, Oct. 31.
Electrical apparatus, High-frequency. M. D. Fiske and R. B. Nelson. 2,523,286, Sept. 26.
Electrical apparatus, High-frequency. R. B. Nelson. 2,496,887, Feb. 7.
Electrical apparatus, Universal. D. M. Cargill. 2,534,951, Dec. 19.
Electrical bonding coupling. J. W. Sanger-Stevens. 2,515,899, July 18.
Electrical bore gauge. F. W. Whitlock and W. E. Summerbell. 2,495,797, Jan. 31.
Electrical breakdown apparatus. High-frequency. L. D. Smullin. 2,519,795, Aug. 22.
Electrical cable. L. F. Hickernell. 2,498,494, Feb. 21.
Electrical circuit. F. B. Berger. 2,535,257, Dec. 26.
Electrical circuit. F. F. Slack. 2,516,533, July 25.
Electrical component. F. F. Sylvester. 2,515,673, July 18.
Electrical component retaining and shielding means. R. G. Miller and A. Holstrom. 2,501,284, Mar. 21.
Electrical component, Variable. G. G. Bartolomei. 2,523,896, Sept. 26.
Electrical condenser. J. C. Balsbaugh. 2,535,030, Dec. 26.
Electrical condenser. F. Brockman. 2,509,758, May 30.
Electrical condenser. J. Burnham and G. E. Green. 2,504,178, Apr. 18.
Electrical condenser. A. T. Chapman. 2,502,310, Mar. 28.
Electrical condenser. P. R. Coursey. 2,533,716, Dec. 12.
Electrical condenser. P. Dubilier and J. Katzman. 2,506,446, May 2.
Electrical condenser. L. E. Griffiths and J. N. Hiensch. 2,510,694, June 6.
Electrical condenser. R. P. Gutterman and A. J. Beilski. 2,505,287, Apr. 25.
Electrical conductors, Making insulated. M. M. Sprung. 2,531,169, Nov. 21.
Electrical connecting means, T. Finizie. 2,511,772, June 13.
Electrical connecting means. J. R. Frei and W. A. Uline. 2,521,056, Sept. 5.
Electrical connection. A. Horowitz. 2,504,023, Apr. 11.
Electrical connection. H. D. Secrest. 2,499,785, Mar. 7.
Electrical connection for hinged structures. R. J. Carbary. 2,522,989, Sept. 19.
Electrical connection to an insulated wire, Making an. S. M. Weisberg. 2,515,105, July 11.
Electrical connector. S. L. Arson and R. J. Cannon. 2,502,303, Mar. 28.
Electrical connector. I. L. Auerbach. 2,510,944, June 13.
Electrical connector. H. M. Bascom. 2,502,307, Mar. 28.
Electrical connector. H. H. Burtt. 2,513,080, June 27.
Electrical connector. F. R. Dickinson. 2,528,121, Oct. 31.
Electrical connector. E. I. Engqvist. 2,499,474, Mar. 7.
Electrical connector. T. C. Freedom. 2,535,013, Dec. 19.
Electrical connector. O. H. Hasselbaum. 2,496,208, Jan. 31.
Electrical connector. S. E. Kane. 2,532,454, Dec. 5.
Electrical connector. J. R. Kearney. 2,514,398, July 11.
Electrical connector. J. C. Macy. 2,511,806, June 13.
Electrical connector. E. A. Noyes. 2,507,417, May 9.
Electrical connector. K. R. Runde. 2,514,418, July 11.
Electrical connector. E. W. Varnum. 2,506,979, May 9.
Electrical connector clamp. T. Birkenmaier. 2,506,010, May 2.
Electrical connector plug. J. E. Wilson. 2,530,415, Nov. 21.
Electrical contact assembly. R. E. H. Carpenter. 2,526,-804, Oct. 24.
Electrical contact device having resiliently mounted contact. J. Kuperus. 2,518,030, Aug. 8.
Electrical contact for conveying lighting current to lamps on a tiltable truck body when the body is in the lowered position. D. A. Porter and E. E. Shelden. 2,526,501, Oct. 17.
Electrical contact member and making the same. J. F. Settle. 2,509,021, May 23.
Electrical contact member and making the same. L. H. Stauffer and R. H. Pashley. 2,509,020, May 23.
Electrical contact for switching devices. K. W. Graybill and H. Sengebusch. 2,525,408, Oct. 10.
Electrical contacts, Making. G. Durst. 2,501,164, Mar. 21.
Electrical control and recording apparatus. G. Keinath. 2,503,052, Apr. 4.
Electrical control apparatus. C. J. Collom. 2,512,482, June 20.
Electrical control apparatus. I. H. Sudman. 2,530,096, Nov. 14.
Electrical control circuit. P. Glass. 2,529,290, Nov. 7.
Electrical control circuit. P. Glass. 2,531,211, Nov. 21.
Electrical control circuit. P. Glass and F. E. Prem. 2,519,562, Aug. 22.
Electrical control device. M. N. Yardeny and A. Razdowitz. 2,530,642, Nov. 21.
Electrical control device, Emergency. W. F. Eames. 2,512,315, June 20.
Electrical control for drilling machines, Safety. J. S. Beltz. 2,532,079, Nov. 28.
Electrical control means for baling presses and the like. A. C. Barrows. 2,534,751, Dec. 19.
Electrical control station. C. F. Robbins. 2,526,901, Oct. 24.
Electrical control system. C. L. Howse. 2,528,434, Oct. 31.
Electrical control system. H. Klemperer. 2,530,705, Nov. 21.
Electrical control system and apparatus. E. T. Davis. 2,530,326, Nov. 14.
Electrical coupling. H. J. Graham. 2,501,674, Mar. 28.
Electrical current collector. K. R. Weise and H. A. Cotesworth. 2,519,165, Aug. 15.
Electrical cutout. R. G. Graham. 2,522,573, Sept. 19.
Electrical determination of sulfuric acid concentration, The. R. E. Price. 2,507,645, May 16.
Electrical device. R. B. Manning. 2,502,970, Apr. 4.
Electrical device for repeating or transmitting angular displacements. C. H. H. Rodanet. 2,530,992, Nov. 21.
Electrical device for sorting articles according to dimensions. F. R. Boosey. 2,523,555, Sept. 26.
Electrical device, Frequency selective. J. P. Kinzer. 2,500,637, Mar. 14.
Electrical device, Thermally responsive. K. A. Oplinger and S. Sentipal. 2,521,865, Sept. 12.
Electrical device with germanium alloys. S. Benzer. 2,504,627–8, Apr. 18.
Electrical disconnector. J. W. West. 2,522,417, Sept. 12.
Electrical equipment. W. K. Singh. 2,511,131, June 13.
Electrical frequency discriminator circuit. C. E. Dennis. 2,525,780, Oct. 17.
Electrical gauge. H. A. Snow. 2,503,851, Apr. 11.
Electrical generation of musical tones. M. J. Larsen. 2,506,723, May 9.
Electrical insulation comprising polytetrafluoroethylene. W. W. Pendelton and H. M. Philofsky. 2,533,501, Dec. 12.
Electrical let-off. H. T. Marcy. 2,518,158, Aug. 8.
Electrical logging system. R. A. Broding. 2,535,666, Dec. 26.
Electrical machine for self-synchronous systems. H. H. Curry. 2,515,496, July 18.
Electrical means for igniting combustible materials. H. Faulkner. 2,515,297, July 18.
Electrical means for operating fluid pressure indicating gauges and signaling devices. R. C. Fuller. 2,515,867, July 18.

Electrical measuring and energy control system. J. L. Michaelis. 2,526,496, Oct. 17.
Electrical meter. K. J. Knudsen. Re. 23,236, May 30.
Electrical moisture meter. V. J. Schaefer. 2,532,822, Dec. 5.
Electrical outlet. B. B. Bierce. 2,532,219, Nov. 28.
Electrical outlet, Safety. H. Hubbell. 2,531,625, Nov. 28.
Electrical outlet safety accessory. B. B. Bierce. 2,524,250, Oct. 3.
Electrical panel board switch. Z. R. Stanley. 2,530,548, Nov. 21.
Electrical phasing circuit. A. S. Epstein and A. Kreithen. 2,526,858, Oct. 24.
Electrical piezometer apparatus. C. C. Minter. 2,515,785, July 18.
Electrical plug. E. P. Brus. 2,495,206, Jan. 24.
Electrical power-transmitting mechanism. H. J. Findley. 2,521,574, Sept. 5.
Electrical probe. L. Kalom. 2,516,882, Aug. 1.
Electrical probe switch. W. J. Litwin. 2,508,956, May 23.
Electrical protective apparatus. J. L. Clarke. 2,504,804, Apr. 18.
Electrical protective device. A. J. Cihlar and W. E. Moore. 2,530,228, Nov. 14.
Electrical protective system. H. Klemperer. 2,527,483, Oct. 24.
Electrical protective system. F. E. Spaulding, Jr. 2,508,548, May 23.
Electrical pulse generator. H. C. Lindahl. 2,505,556, Apr. 25.
Electrical pulse width shaper and selector. D. D. Grieg. 2,535,061, Dec. 26.
Electrical receptacle. F. G. Bellek. 2,498,642–3, Feb. 28.
Electrical rectifier construction. L. A. Hedding and C. H. Zierdt. 2,509,342, May 30.
Electrical regulator. N. N. George and R. V. Kline. 2,504,017, Apr. 11.
Electrical relay. A. H. Lamb. 2,510,700, June 6.
Electrical resistance butt welding apparatus. O. R. Carpenter, G. J. Hartnett, Jr., and R. P. C. Rasmusen. 2,525,862, Oct. 17.
Electrical resistance device, Variable. D. O. Kocmich. 2,518,906, Aug. 15.
Electrical resistance measurement. S. M. Marco and W. L. Davis. 2,531,145, Nov. 21.
Electrical resistor and high-resistance carbon composition and resistance element therefor. L. Podolsky. 2,495,199, Jan. 17.
Electrical resistor construction. J. J. Cerney. 2,533,876, Dec. 12.
Electrical resonator. N. L. Harris and J. W. Ryde. 2,531,214, Nov. 21.
Electrical restraining device for free-piston units. V. Cronstedt, W. H. Sprenkle, and A. Kalitinsky. 2,501,030, Mar. 21.
Electrical separable connection, Pressureproof. C. E. Gagnier and E. T. Miller. 2,513,305, July 4.
Electrical switch. A. J. Bowie. 2,526,845, Oct. 24.
Electrical switch. B. R. Criswell. 2,493,185, Jan. 3.
Electrical switch. F. E. Gray. 2,512,830, June 27.
Electrical switch. O. H. Hasselbaum. 2,502,042, Mar. 28.
Electrical switch. E. N. Jacobi. 2,502,952, Apr. 4.
Electrical switch. L. J. Kalwo. 2,493,146, Jan. 3.
Electrical switch. J. P. Smith, Jr. 2,505,218, Apr. 25.
Electrical switch. E. M. Soreng. 2,523,786, Sept. 26.
Electrical switch. J. Wollard. 2,519,726, Aug. 22.
Electrical switch. C. A. Woodward. 2,519,329, Aug. 15.
Electrical switch. C. A. Woodward. 2,530,364, Nov. 14.
Electrical system. R. G. Clapp. 2,512,305, June 20.
Electrical system. J. W. Dawson and H. Klemperer. 2,515,634, July 18.
Electrical system. A. H. Dickinson and B. F. Ambrosio. 2,517,987, Aug. 8.
Electrical system. A. Mandl. 2,501,528, Mar. 21.
Electrical system. W. H. Newell and H. F. McKenney. 2,497,011, Feb. 7.
Electrical system. O. B. Shafer and J. J. Sullivan. 2,531,895, Nov. 28.
Electrical system. D. E. Sunstein. 2,505,072, Apr. 25.
Electrical system. D. E. Sunstein. 2,523,162, Sept. 19.
Electrical system for locating a sound source. T. G. Barnes and M. J. Burger. 2,535,255, Dec. 26.
Electrical system for the transmission of angular or azimuthal intelligence. D. B. Smith, R. G. Clapp, A. P. Montgomery, K. H. Emerson, and D. B. Hoffman. 2,519,935, Aug. 22.
Electrical system, Motor vehicle. J. P. Bourne, Jr. 2,515,819, July 18.
Electrical system, Timed. L. O. Grainger. 2,494,121, Jan. 10.
Electrical tap clamp. F. J. Hendley. 2,530,299, Nov. 14.
Electrical terminal clasp connector. M. A. Graham. 2,523,465, Sept. 26.
Electrical test block. C. A. Milbank. 2,526,255, Oct. 17.
Electrical tube-immersion heater. W. B. Smits and J. M. Beck. 2,501,417, Mar. 21.
Electrical unit, Plug-in. C. E. Cohn. 2,506,067, May 2.
Electrical winding. C. A. Bieling. 2,528,414, Oct. 31.
Electrical wiring terminal installation. S. M. Del Camp. 2,517,848, Aug. 8.
Electrically controlled brake. J. E. Chapman. 2,514,694, July 11.
Electrically heated bellows motor. G. C. Molotzak. 2,512,212, June 20.
Electrically heated plastics press. R. E. Butler. 2,521,282, Sept. 5.
Electrically heated lunch box. J. A. Jarboe. 2,505,405, Apr. 25.
Electrically heated lunch box. I. Turnipseed. 2,513,218, June 27.
Electrically heated Pitot tube. G. R. Larkin. 2,510,986, June 13.
Electrically heated soldering iron. R. A. Adamson. 2,518,265, Aug. 8.
Electrically heated tool. B. F. Ritchie and C. H. Holtan. 2,507,736, May 16.
Electrically interconnecting wires, cables, tubes, plates, and other metallic elements. G. V. A. and M. A. Duch. 2,535,397, Dec. 26.
Electrically operated pump. L. C. Parker. 2,495,598, Jan. 24.
Electrically operated saw gauge. H. C. Carman. 2,535,900, Dec. 26.
Electrically operated shutoff valve. L. Kimball. 2,504,428, Apr. 18.
Electrically vibrated retouching stand. E. C. Lloyd. 2,498,168, Feb. 21.
Electrician's solder dipper heater. L. L. Goodenrath. 2,535,731, Dec. 26.
Electroacoustic apparatus. J. A. Dreyfus. 2,512,889, June 27.
Electroacoustic delay system. C. J. Young. 2,517,819, Aug. 8.
Electroacoustic system and means. K. S. Johnson. 2,516,776, July 25.
Electroacoustic system and means. K. S. Johnson. 2,535,681, Dec. 26.
Electroacoustic transducer. R. C. Miner. 2,522,530, Sept. 19.
Electrochemical apparatus with adjustable electrode. L. H. Peck. 2,525,938, Oct. 17.
Electrochemical preparation of α-amino-n-butyric acid and N-benzoyl derivative. J. H. Billman. 2,497,024, Feb. 7.
Electrochemical process of making fluorine-containing carbon compounds. J. H. Simons. 2,519,983, Aug. 22.
Electrocoating method. G. C. Cox. 2,534,234, Dec. 19.
Electrocuting trap. F. X. Nagl. 2,519,783, Aug. 22.
Electrode. J. Kozinski. 2,513,568, July 4.
Electrode and making the same. H. D. Miller and P. D. Williams. 2,497,090, Feb. 14.
Electrode and manufacture, Grid. W. Gronros. 2,507,709, May 16.
Electrode, Arc welding. P. Bourque and M. Kiilunen. 2,520,112, Aug. 29.
Electrode assembly. M. Ingram. 2,533,462, Dec. 12.
Electrode assembly for electric discharge devices. A. W. Coolidge, Jr., and D. S. Peck. 2,508,992, May 23.
Electrode assembly for electrical discharge devices. E. J. Walsh. 2,534,393, Dec. 19.
Electrode assembly for electron discharge devices. E. J. Walsh. 2,527,166, Oct. 24.
Electrode assembly for very high-frequency electron discharge devices. G. W. Warren. 2,526,054, Oct. 17.
Electrode coating for discharge devices. E. F. Lowry, E. L. Mager, and G. W. Keilholtz. 2,530,394, Nov. 21.
Electrode construction. L. W. Kaufman. 2,508,171, May 16.
Electrode construction for electrical precipitators. W. M. Schmidt. 2,532,734, Dec. 5.
Electrode, Discharge. A. F. Meston. 2,505,907, May 2.
Electrode for cast iron, Welding. T. E. Kihlgren. 2,499,827, Mar. 7.
Electrode for electric discharge devices, Tantalum. F. Jenne, Jr. 2,508,114, May 16.
Electrode for electric discharge tubes. R. F. Cronert. 2,521,451, Sept. 5.
Electrode for electric discharge tubes, Nonemitting. G. Holst and H. J. M. van Embden. 2,513,241, June 27.
Electrode for electron tubes. P. D. Williams. 2,497,109, Feb. 14.
Electrode for electron tubes, Taut grid. G. S. Jackson. 2,495,259, Jan. 24.
Electrode for filamentary material, Radio-frequency. W. N. Parker. 2,521,993, Sept. 12.
Electrode for piezoelectric crystals. C. K. Gravley. 2,497,666, Feb. 14.
Electrode for use in electron discharge devices, Non-emissive. M. Arditi and V. J. de Santis. 2,527,513–4, Oct. 31.
Electrode, Grid. P. H. Wei. 2,513,387, July 4.
Electrode, High-intensity carbon. C. E. Greider. 2,508,455, May 23.
Electrode holder. L. H. Bevard. 2,519,877, Aug. 22.
Electrode holder. J. C. Cox. 2,518,289, Aug. 8.
Electrode holder. D. Murdock. 2,534,526, Dec. 19.
Electrode joint. H. V. Johnson and H. C. Stieber. 2,510,230, June 6.
Electrode, Multiphase. C. A. Steen. 2,516,810, July 25.
Electrode, Rotatable tube-welding. L. B. Henderson. 2,512,460, June 20.
Electrode structure for electric discharge devices or lamps. H. Gooskens, W. Elenbaas, and A. A. Padmos. 2,497,496, Feb. 14.

Electrode structure for electrical precipitators, Collecting. R. L. Chamberlin. 2,529,594, Nov. 14.
Electrode structure for glow discharge tubes. H. Epstein. 2,534,762, Dec. 19.
Electrode support. J. J. Aakjer and W. J. Knochel. 2,518,848, Aug. 15.
Electrode structure for gas discharge devices. G. G. Carne. 2,516,675, July 25.
Electrode, Swivel type spot welding. E. F. Holt. 2,523,367, Sept. 26.
Electrode system. E. C. Thomson. Re. 23,282, Oct. 10.
Electrode, Temperature compensated conductivity cell. E. R. Behn. 2,505,936, May 2.
Electrode, Vacuum tube. M. Arditi. 2,531,382, Nov. 28.
Electrode, Welding. A. A. Bernard. 2,505,937, May 2.
Electrode, Welding. W. A. Cannell and M. D. Woodruff. 2,518,447, Aug. 15.
Electrode, Welding. T. E. Kihlgren. 2,512,430, June 20.
Electrode, Welding. T. E. Kihlgren, G. R. Pease, and P. E. Le Grand. 2,520,806, Aug. 29.
Electrode with cooling means, Furnace. E. R. Sabaut. 2,499,782, Mar. 7.
Electrodepositing bath and process. W. A. Proell. 2,525,942, Oct. 17.
Electrodepositing copper, silver, or brass. G. W. Jernstedt. 2,524,912, Oct. 10.
Electrodepositing iron. E. H. Konrad and W. E. C. Eustis. 2,532,629, Dec. 5.
Electrodeposition anode. L. N. Smith. 2,523,253, Sept. 19.
Electrodeposition of cadmium. L. Weisberg. 2,497,806, Feb. 14.
Electrodeposition of chromium. R. R. Lloyd. 2,507,475–6, May 9.
Electrodeposition of chromium. R. Raab. 2,517,441, Aug. 1.
Electrodeposition of copper. K. S. Willson and D. G. Ellis. 2,495,668, Jan. 24.
Electrodeposition of iron. J. R. Cain. 2,503,235, Apr. 11.
Electrodeposition of metals. C. Struyk and S. C. Dollman. 2,523,160, Sept. 19.
Electrodeposition of nickel. H. Brown. 2,524,619, Oct. 3.
Electrodeposition of nickel. H. Brown. 2,524,648, Oct. 3.
Electrodeposition of nickel. A. H. Du Rose and P. W. Moy. 2,524,010, Sept. 26.
Electrodeposition of nickel. W. B. Stoddard, Jr. 2,533,532, Dec. 12.
Electrodeposition of nickel. C. Struyk and S. C. Dollman. 2,523,161, Sept. 19.
Electrodeposition of nickel and nickel alloys. P. Spiro and F. Wohlgemuth. 2,519,858, Aug. 22.
Electrodeposition of nickel from an acid bath. H. Brown. 2,513,280, July 4.
Electrodeposition of nickel from an acid bath. H. Brown. 2,523,190–1, Sept. 19.
Electrodeposition of silver. E. H. McCoy. 2,504,272, Apr. 18.
Electrodeposition of tin. R. O. Hull. 2,512,719, June 27.
Electrodeposition of tin alloys, The. S. W. Baier and D. J. MacNaughtan. 2,511,395, June 13.
Electrodes and variable capacitor for dielectric-heating, Combined heating. W. L. Atwood. 2,504,956, Apr. 25.
Electrodes, Making. D. F. Drieschman. 2,519,445, Aug. 22.
Electrodes, Making. P. D. Williams. 2,497,110, Feb. 14.
Electrodes, Manufacturing continuous. R. Tanberg. 2,495,148, Jan. 17.
Electrodes, Producing highly emissive. M. E. Macksoud. 2,525,262–3, Oct. 10.
Electrodynamic pickup hearing U-shaped coil holder. S. M. Miller. 2,534,725, Dec. 19.
Electrodynamic relay. A. Cohen. 2,503,243, Apr. 11.
Electrodynamometer. C. L. Freedman. 2,508,379, May 23.
Electroforming apparatus. E. G. Cameron, H. A. Keiper, A. D. Mitschke, L. G. Burlingame, and R. W. Ferguson. 2,521,687, Sept. 12.
Electroforming selenium rectifiers. R. D. Amsden. 2,497,649, Feb. 14.
Electrographic recording. R. B. Gibney. 2,530,956, Nov. 21.
Electrolysis of light metals. R. K. Lawson, W. O. McClintock, H. R. Hendrickson, and F. W. Woodman. 2,514,283, July 4.
Electrolyte. A. M. Georgiev and J. J. Campbell. 2,505,180, Apr. 25.
Electrolytic apparatus for cleaning strip. A. Teplitz. 2,535,966, Dec. 26.
Electrolytic cell. C. E. Bowen. 2,522,661, Sept. 19.
Electrolytic charge forming device. G. E. Heyl. 2,509,498, May 30.
Electrolytic device. R. E. Drake. 2,500,632, Mar. 14.
Electrolytic iron, Making. J. R. Cain. 2,503,234, Apr. 11.
Electrolytic method of preparing manganese dioxide. J. E. Magoffin and T. E. Vance. 2,500,039, Mar. 7.
Electrolytic polishing. J. M. Kiefer, Jr. 2,526,951, Oct. 24.
Electrolytic process for production of fluorine. G. C. Whitaker. 2,506,438, May 2.
Electrolytic processing apparatus. C. W. Hangosky and C. S. Hornberger. 2,532,908, Dec. 5.
Electrolytic production of alkanesulfonic acids. B. K. Brown. 2,521,147, Sept. 5.
Electrolytic production of cacodyl. B. Witten. 2,531,487, Nov. 28.
Electrolytic production of fluorine. C. F. Swinehart. 2,534,638, Dec. 19.
Electrolytic production of gelatinous titanium hydrate nuclei. B. W. Allan and F. O. Rummery. 2,533,208, Dec. 12.
Electrolytic production of metallic uranium. R. Rosen. 2,519,792, Aug. 22.
Electrolytic production of silver chloride. J. B. Mullen. 2,521,082, Sept. 5.
Electrolytic recording H. G. Greig. 2,493,963, Jan. 10.
Electrolytic switch. L. E. Kissinger, R. C. Duncan, E. F. Ellison, and J. D. Turlay. 2,526,670, Oct. 24.
Electrolytic water softening and pH adjustment. R. E. Briggs. 2,535,035, Dec. 26.
Electrolytically producing zinc of high purity. S. P. Lowe, G. W. Long, K. W. Downes, and G. H. Kent. 2,529,700, Nov. 14.
Electrolyzer, Pressure. R. C. Ryman. 2,494,264, Jan. 10.
Electrolyzing indium oxide in fused caustic electrolyte. M. F. W. Heberlein and N. R. Bierly. 2,521,217, Sept. 5.
Electrolyzing of chrome solutions to recover chrome. D. Vedensky. 2,504,095, Apr. 11.
Electromagnet. J. Kelar. 2,515,305, July 18.
Electromagnet. J. Last. 2,493,885, Jan. 10.
Electromagnet. D. Mohrlock and H. Johnson. 2,514,783, July 11.
Electromagnet. W. A. Ray. 2,502,591, Apr. 4.
Electromagnet, Alternating current. P. Sala. 2,510,298, June 6.
Electromagnet, Antivibration plunger type. F. E. Cairns, Jr. 2,493,386, Jan. 3.
Electromagnet for telephone instruments, Polarized. H. R. Warnke. 2,503,857, Apr. 11.
Electromagnet, Plural armature plunger type. J. F. O'Brien and J. B. Cataldo. 2,515,259, July 18.
Electromagnet, Polarized. G. G. Lavery. 2,511,114, June 13.
Electromagnet with balanced armature. H. E. Ashworth. 2,510,305, June 6.
Electromagnet with pivoted armature, Ironclad. O. E. Rosaen. 2,494,491, Jan. 10.
Electromagnet with split core armature. J. F. O'Brien and J. B. Cataldo. 2,515,258, July 18.
Electromagnet with two armatures. W. A. Bevis and A. V. Waters. 2,505,849, May 2.
Electromagnetic and photoelectric mechanism and continuous tube gauging. S. and R. D. Bogen. 2,519,221, Aug. 15.
Electromagnetic clutch. H. Plantet. 2,499,036, Feb. 28.
Electromagnetic control means to tune organ pipes to just pitch. A. J. Chase. 2,525,524, Oct. 10.
Electromagnetic control of recording mechanisms. J. F. Merkel. 2,515,658, July 18.
Electromagnetic core construction. I. K. Fog. 2,506,637, May 9.
Electromagnetic coupling transmission. E. L. Mayo. 2,528,316. Oct. 31.
Electromagnetic device. T. E. Browne, Jr. 2,495,157, Jan. 17.
Electromagnetic device. H. J. Findley. 2,497,402, Feb. 14.
Electromagnetic device. C. I. Hall. 2,504,681, Apr. 18.
Electromagnetic device. G. L. Lang. 2,508,524, May 23.
Electromagnetic relay. H. Akroyd. 2,505,225, Apr. 25.
Electromagnetic relay. S. H. Towner and P. A. Childs. 2,510,157, June 6.
Electromagnetic device and making the same. D. E. Wiegand. 2,498,747, Feb. 28.
Electromagnetic device, Three-stage retarded. J. A. Oppel. 2,495,127, Jan. 17.
Electromagnetic fishing tool. J. P. Murphy and H. E. McKinney. 2,493,992, Jan. 10.
Electromagnetic induction apparatus. G. G. Somerville. 2,523,071, Sept. 19.
Electromagnetic latch trip switch. M. L. Jeffrey. 2,523,370, Sept. 26.
Electromagnetic machine. D. M. Davidoff. 2,535,788, Dec. 26.
Electromagnetic precision measuring gauge. A. G. Ladrach. 2,522,877, Sept. 19.
Electromagnetic pump. J. W. Dickey and N. S. Trout, Jr. 2,533,164, Dec. 5.
Electromagnetic rail brake. A. Zuckermann. 2,527,383, Oct. 24.
Electromagnetic relay and armature therefor. K. W. Graybill. 2,522,714, Sept. 19.
Electromagnetic step-by-step switch. C. I. Johnson and K. R. Stauss. 2,531,882, Nov. 28.
Electromagnetic structure. G. Nahman. 2,516,140, July 25.
Electromagnetic switch. D. E. Moran. 2,523,774, Sept. 26.
Electromagnetic switch. H. E. Schleicher. 2,496,178, Jan. 31.
Electromagnetic switch. T. T. Woodson and J. W. McNairy. 2,513,986, July 4.

Electromagnetic-wave translating element, High-frequency. H. A. Wheeler. 2,511,610, June 13.
Electromagnetically actuated switch. H. J. Hammerly. 2,500,635, Mar. 14.
Electromagnetically controlled brake. J. L. Hancock. 2,520,204, Aug. 29.
Electromagnetically controlled friction clutch. F. R. H. Laurant. 2,522,622, Sept. 10.
Electromagnetically operated coil clutch. R. H. McGibbon, T. S. Skillman and L. J. Owen. 2,523,772, Sept. 26.
Electromechanical high-speed operating gear. J. Forman. 2,520,537, Aug. 29.
Electromechanical remote-control device. E. Torcheaux. 2,505,262, Apr. 25.
Electromechanical weft detector. H. A. Whitin. 2,506,258, May 2.
Electromedical apparatus. E. Leibowitsch-Berge. 2,507,572, May 16.
Electromotive device. W. S. Macdonald. 2,504,996, Apr. 25.
Electron accelerating apparatus. N. C. Christofilos. 2,531,028, Nov. 21.
Electron beam tube filter. H. L. Barney, L. C. Peterson, R. K. Potter, and R. W. Sears. 2,531,600, Nov. 28.
Electron diffraction apparatus. S. T. Gross. 2,506,080, May 2.
Electron discharge apparatus. H. O. G. Alfven and H. A. R. Romanus. 2,513,260, June 27.
Electron discharge apparatus. W. E. Kirkpatrick. 2,509,065, May 23.
Electron discharge apparatus. S. G. Tomlin. 2,520,182, Aug. 29.
Electron discharge apparatus, Cavity resonator. R. P. Stone. 2,508,695, May 23.
Electron discharge apparatus frequency control, High-frequency. L. R. Hildebrand. 2,521,719, Sept. 12.
Electron discharge device. R. Adler. 2,511,143, June 13.
Electron discharge device. H. G. Anderson. 2,509,951, May 30.
Electron discharge device. W. C. Brown. 2,497,436, Feb. 14.
Electron discharge device. P. P. Derby. 2,504,187, Apr. 18.
Electron discharge device. P. P. Derby. 2,519,826, Aug. 22.
Electron discharge device. S. O. Ekstrand, C. Maggs, and V. L. Ronci. 2,494,693, Jan. 17.
Electron discharge device. H. F. Engelmann. 2,504,970, Apr. 25.
Electron discharge device. J. A. Morton and R. M. Ryder. 2,502,531, Apr. 4.
Electron discharge device. W. S. Pajes and R. E. Downing. 2,528,541, Nov. 7.
Electron discharge device. R. W. Reitherman. 2,506,740, May 9.
Electron discharge device. G. L. Rishell. 2,499,974, Mar. 7.
Electron discharge device. K. A. R. Samson. 2,520,512, Aug. 29.
Electron discharge device. E. E. Shelton. 2,524,606, Oct. 3.
Electron discharge device. W. G. Shepherd. 2,521,545, Sept. 5.
Electron discharge device. W. E. Shoupp. 2,508,473, May 23.
Electron discharge device. C. N. Smyth. 2,527,587, Oct. 31.
Electron discharge device. A. Sommer. 2,529,888, Nov. 14.
Electron discharge device. P. L. Spencer. 2,496,500, Feb. 7.
Electron discharge device. H. L. Steele, Jr. 2,518,954, Aug. 15.
Electron discharge device. J. Stivin. 2,518,090, Aug. 8.
Electron discharge device and associated cavity resonator. L. S. Nergaard. 2,520,220, Aug. 29.
Electron discharge device and associated cavity resonator circuit. L. S. Nergaard. 2,522,836, Sept. 19.
Electron discharge device and associated cavity resonator circuits. L. S. Nergaard. 2,506,733, May 9.
Electron discharge device and associated circuits. A. V. Haeff. 2,507,972, May 16.
Electron discharge device employing cavity resonator. L. F. Broadway. 2,531,195, Nov. 21.
Electron discharge device employing cavity resonators. H. B. De Vore. 2,497,831, Feb. 14.
Electron discharge device employing cavity resonators. R. Truell. 2,506,752, May 9.
Electron discharge device employing hollow resonator. L. F. Broadway and A. H. Atherton. 2,508,141, May 16.
Electron discharge device employing resonators. A. V. Haeff. 2,492,987, Jan. 3.
Electron discharge device for high frequency. C. E. Haller. 2,521,364, Sept. 5.
Electron discharge device for high-frequency. G. W. Warren. 2,509,325, May 30.
Electron discharge device for ultra high frequencies. P. G. Chevigny and E. Labin. 2,516,853, Aug. 1.
Electron discharge device for ultra high frequencies. J. A. Morton and R. L. Vance. 2,502,530, Apr. 4.
Electron discharge device having a cavity resonator provided with a tuning electrode. W. E. Shoupp. 2,504,739, Apr. 18.
Electron discharge device having a radiator integrated therewith. H. J. Dailey. 2,512,143, June 20.
Electron discharge device, High-frequency. A. V. Haeff. 2,528,138, Oct. 31.
Electron discharge device, High-frequency. B. M. Charchian. 2,535,039, Dec. 26.
Electron discharge device, High-power. J. W. West. 2,528,849, Nov. 7.
Electron discharge device, High-power water-cooled. C. E. Fay and D. A. S. Hale. 2,534,548, Dec. 19.
Electron discharge device including a hollow resonator. A. F. Pearce. 2,516,643, July 25.
Electron discharge device, including a tunable cavity resonator. F. H. Best. 2,513,277, July 4.
Electron discharge device, including tunable cavity resonator. S. O. Ekstrand and E. J. Walsh. 2,513,296, July 4.
Electron discharge device of cavity resonator type with reverse flow of electrons. C. C. Wang. 2,529,668, Nov. 14.
Electron discharge device of the cavity resonator type. J. R. Pierce. 2,513,359, July 4.
Electron discharge device of the electron velocity modulation type. S. G. Tomlin. 2,521,763, Sept. 12.
Electron discharge device of the electron velocity modulation type. S. G. Tomlin. 2,523,344, Sept. 26.
Electron discharge device of the magnetron type. W. C. Brown. 2,502,405, Mar. 28.
Electron discharge device of the magnetron type. J. M. Spooner and L. P. Garner. 2,493,423, Jan. 3.
Electron discharge device of the velocity modulation type. G. C. Sziklai. 2,534,537, Dec. 19.
Electron discharge device such as a television transmitting tube. H. G. Lubszynski. 2,518,434, Aug. 8.
Electron discharge device, Thermally tunable cavity resonator. W. G. Shepherd. 2,513,371, July 4.
Electron discharge device, Tunable. E. N. Kather. 2,529,950, Nov. 14.
Electron discharge device, Ultra high frequency. J. M. Lafferty. 2,508,346, May 16.
Electron discharge device unit mounting. W. Gronros and E. A. Veazie. 2,518,308, Aug. 8.
Electron discharge device with hollow resonator. A. F. Pearce, N. C. Barford, and B. J. Mayo. 2,523,776, Sept. 26.
Electron discharge tube. G. Bezy. 2,506,659, May 9.
Electron discharge tube. P. Haas. 2,500,355, Mar. 14.
Electron discharge tubes, Manufacture of. J. L. H. Jonker. 2,532,846, Dec. 5.
Electron emitter, Secondary. L. E. Cheesman and H. E. Mendenhall. 2,530,946–7, Nov. 21.
Electron emitters. I. Patai. 2,506,466, May 2.
Electron gun. O. Heil. 2,518,472, Aug. 15.
Electron gun for cathode-ray tubes. J. Kelar. 2,496,127, Jan. 31.
Electron injection space discharge device. A. M. Clogston. 2,530,948, Nov. 21.
Electron signal storage tube. R. L. Snyder, Jr., and P. K. Weimer. 2,501,637, Mar. 21.
Electron tube. M. Arditi. 2,520,119, Aug. 29.
Electron tube. W. R. Ferris. 2,534,508, Dec. 19.
Electron tube. F. Lüdi. 2,508,280, May 16.
Electron tube cathode heater. B. R. Corson. 2,528,425, Oct. 31.
Electron tube circuit. R. G. Heaton. 2,535,285, Dec. 26.
Electron tube coupling circuit. E. T. Burton. 2,502,822, Apr. 4.
Electron tube controlled relay circuit. P. N. Martin. 2,500,615, Mar. 14.
Electronic amplifier. L. J. Dahline. 2,522,348, Sept. 12.
Electronic apparatus. R. M. Franzel. 2,531,265, Nov. 21.
Electronic apparatus of the cavity resonator type. S. F. Varian and E. L. Ginzton. 2,514,428, July 11.
Electronic control. R. S. Ely. 2,510,742, June 6.
Electronic control and indication apparatus. W. H. Wannamaker, Jr. 2,514,918, July 11.
Electronic control apparatus. P. J. Cade. 2,529,796, Nov. 14.
Electronic control device. L. E. Ellison. 2,525,593, Oct. 10.
Electronic control for electrically operated devices. W. P. Menkhaus. 2,496,486, Feb. 7.
Electronic control system for direct-current motors. J. G. Haneiko. 2,516,568, July 25.
Electronic control system for direct-current motors. W. G. Roman. 2,530,993, Nov. 21.
Electronic control system for dynamoelectric machinery. W. G. Roman. 2,530,994, Nov. 21.
Electronic control system, Quick-reset time-delay. R. B. J. Brunn. 2,495,919, Jan. 31.
Electronic converter system for direct-current motors. K. P. Puchlowski. 2,525,500, Oct. 10.
Electronic coordinating system. T. R. Burnight and J. F. Clark, Jr. 2,531,393, Nov. 28.
Electronic counter circuit. C. H. Smith, Jr. 2,518,499, Aug. 15.
Electronic counting ring. E. V. Gulden. 2,515,448, July 18.
Electronic counting ring. R. E. Mumma. 2,533,739, Dec. 12.
Electronic device. R. E. Mumma. Re. 23,285, Oct. 17.
Electronic device for indicating shots in targets. C. B. Lister. 2,507,916, May 16.

Electronic device for periodic timing. O. O. Lindborg. 2,535,304, Dec. 26.
Electronic device for timing toll calls and for signaling both subscriber and operator. H. J. McCreary. 2,533,677, Dec. 12.
Electronic device, Ultra high frequency. A. E. Bowen. 2,530,373, Nov. 21.
Electronic discharge device. M. D. Fiske. 2,496,865, Feb. 7.
Electronic discharge device. R. C. Gee and W. Gronros. 2,507,706, May 16.
Electronic discharge device. R. S. Gormley, C. Maggs, and L. F. Moose. 2,527,127, Oct. 24.
Electronic gas control circuit. T. B. Perkins. 2,519,789, Aug. 22.
Electronic gating circuit. R. H. Hoglund. 2,519,763, Aug. 22.
Electronic generator circuit. J. E. Gall. 2,496,283, Feb. 7.
Electronic height gauge. J. J. Neff. 2,509,986, May 30.
Electronic impulse counting circuit. E. Baldinger. 2,498,908, Feb. 28.
Electronic impedance meter. R. E. Smith. 2,535,608, Dec. 26.
Electronic indicating circuit. M. Bozoian. 2,508,370, May 23.
Electronic indicator. J. R. Steinhoff. 2,497,190, Feb. 14.
Electronic interrupter. W. P. Menkhaus. 2,532,508, Dec. 5.
Electronic load proportioning circuit. H. M. Watson and H. R. Lambert. 2,504,768, Apr. 18.
Electronic means for suppressing in-phase interference. N. B. Blake. 2,509,389, May 30.
Electronic metronome. W. M. A. Andersen. 2,522,492, Sept. 19.
Electronic multiple pulse generator. D. M. Bassett and G. A. Langston. 2,498,636, Feb. 28.
Electronic prime mover regulator. S. W. Herwald and H. M. Watson. 2,512,154, June 20.
Electronic pulse discriminator circuit. D. D. Grieg. 2,504,976, Apr. 25.
Electronic pulse generating circuit. P. I. Keith-Murray. 2,521,376, Sept. 5.
Electronic pulse generator. B. Wellman. 2,506,529, May 2.
Electronic range finding apparatus. G. W. Hart. 2,533,670, Dec. 12.
Electronic relay. J. G. Beard, R. W. Harralson, and A. Kreithen. 2,497,202, Feb. 14.
Electronic regulator. E. O. Lawrence, V. B. Waithman, and F. H. Schmidt. 2,530,169, Nov. 14.
Electronic signal mixing circuit. R. D. McCoy and T. J. Kusto. 2,493,772, Jan. 10.
Electronic signal shaping circuit. E. H. Schoenfeld. 2,498,900, Feb. 28.
Electronic switch. W. R. Baker and Q. A. Kerns. 2,535,886, Dec. 26.
Electronic switch. A. D. Brown, Jr. 2,521,824, Sept. 12.
Electronic switch. W. D. Lewis. 2,535,303, Dec. 26.
Electronic switch. R. G. Stephenson. 2,521,952, Sept. 12.
Electronic switch. B. P. Washburne and J. A. Eyster. 2,493,706, Jan. 3.
Electronic synchronizing circuit. S. C. Hurley, Jr. 2,518,324, Aug. 8.
Electronic synchronizing device and magnetic switch. S. C. Hurley, Jr. 2,518,325, Aug. 8.
Electronic system. A. H. Dickinson. 2,524,123, Oct. 3.
Electronic system for energizing direct current motors from an alternating current supply. W. W. Cotner. 2,530,949, Nov. 21.
Electronic system for operating direct-current motors from an alternating-current supply. J. G. Haneiko and W. G. Roman. 2,504,123, Apr. 18.
Electronic system for operating direct-current motors from an alternating-current supply. W. G. Roman. 2,504,155, Apr. 18.
Electronic time controlled power initiating means. M. P. Sparks. 2,525,969, Oct. 17.
Electronic time delay circuit. F. J. Bias and H. W. Lord. 2,506,335, May 2.
Electronic time division channel scanning system. H. J. Koch. 2,521,229, Sept. 5.
Electronic timing circuit. J. H. England. 2,508,941, May 23.
Electronic timing circuit. H. M. Merrill. 2,498,566, Feb. 21.
Electronic tolerance monitor, Automatic. N. H. Taylor and R. M. Wilmotte. 2,532,964, Dec. 5.
Electronic trigger circuits. G. T. Baker. 2,524,953, Oct. 10.
Electronic tube. H. A. Zahl. 2,522,557, Sept. 19.
Electronic vacuum tube. M. J. Iatesta. 2,495,258, Jan. 24.
Electronic visual inspection device having spaced phototubes. J. C. Frommer. 2,499,910, Mar. 7.
Electrooptical dark trace picture tube. G. Levy and W. Simbrat. 2,533,381, Dec. 12.
Electrooptical dark trace storage tube. A. M. Skellett. 2,535,817, Dec. 26.
Electrooptical scanning method and apparatus. A. G. Cooley. 2,524,651, Oct. 3.
Electrophoretic apparatus for research. A. Dinsley. 2,535,395, Dec. 26.
Electrophoretic deposition of ethylene polymers. A. G. Gray. 2,530,366, Nov. 21.
Electrophoretic deposition of insulating coating. J. M. Snyder. 2,530,546, Nov. 21.
Electrophoretic liquid analysis apparatus having a diaphragm and cylindrical lens in the optic path. K. G. Stern. 2,495,297, Jan. 24.
Electroplating. A. E. Chester. 2,515,192, July 18.
Electroplating apparatus. E. L. A. Camin and H. Kenmore. 2,495,695, Jan. 31.
Electroplating apparatus. K. A. W. Twele and A. D. Canner. 2,519,945, Aug. 22.
Electroplating copper on aluminum. L. F. Mondolfo. 2,495,941, Jan. 31.
Electroplating device, Continuous. N. E. Hays. 2,512,328, June 20.
Electroplating fine wire of low elastic limit. C. Luke. 2,497,894, Feb. 21.
Electroplating mechanism, Agitating. C. L. Fread. 2,534,165, Dec. 12.
Electroplating molybdenum and its alloys. L. F. Yntema and M. J. Ksycki. 2,499,807–8, Mar. 7.
Electroplating of chromium-molybdenum alloys. C. C. Ma. 2,516,227, July 25.
Electroplating of tin on ferrous strip. C. E. Glock. 2,513,859, July 4.
Electroplating of zinc and electrolyte therefor. A. E. Chester and F. F. Reisinger. 2,524,040, Oct. 3.
Electroplating rack. M. S. Schneider. 2,505,212, Apr. 25.
Electroplating rack. M. S. Schneider. 2,512,554, June 20.
Electroplating rack. M. S. Schneider. 2,532,516, Dec. 5.
Electroplating with iron and cobalt. F. De Marinis. 2,507,400, May 9.
Electropneumatic control of atmospheric conditions. I. I. Davies. 2,523,198, Sept. 19.
Electropolishing, Method and bath for. H. J. Wiesner. 2,521,106, Sept. 5.
Electrostatic apparatus. S. Gilman. 2,523,618, Sept. 26.
Electrostatic apparatus. S. Gilman. 2,525,347, Oct. 10.
Electrostatic device for measuring radiant power. H. W. G. Salinger. 2,516,921, Aug. 1.
Electrostatic heating. J. E. Duff. 2,507,964, May 16.
Electrostatic machine. N. Felici. 2,519,554, Aug. 22.
Electrostatic machine. N. Felici. 2,522,106, Sept. 12.
Electrostatic machine. N. Felici. 2,523,688–9, Sept. 26.
Electrostatic machine. N. Felici. 2,530,193, Nov. 14.
Electrostatic precipitator. E. L. Richardson. 2,518,999, Aug. 15.
Electrostatic precipitator. E. L. Richardson. 2,535,696, Dec. 26.
Electrostatic precipitator. W. J. Roos. 2,535,697, Dec. 26.
Electrotherapeutic device, Ultraviolet. N. L. Clark. 2,505,944, May 2.
Electrotransducer element. A. L. W. Williams. 2,521,661, Sept. 5.
Elements of a flywheel magneto, Arrangement of stator-plate-mounted. A. L. Brownlee and T. G. Louis. 2,528,687, Nov. 7.
Elevated tank. G. T. Horton. 2,495,724, Jan. 31.
Elevating and supporting apparatus. A. B. Greenfield. 2,529,292, Nov. 7.
Elevating and tilting device, Wagon-box. C. F. Walsh. 2,524,498, Oct. 3.
Elevating device. S. R. Shaw, Jr. 2,512,534, June 20.
Elevating device for raising gin poles on trucks. M. A. Adams. 2,493,099, Jan. 3.
Elevating mechanism. P. J. Ernisse. 2,525,534, Oct. 10.
Elevating mechanism for operating and examining tables. H. R. Shampaine. 2,532,677, Dec. 5.
Elevating particle-form solids with bucket conveyer. E. V. Bergstrom. 2,531,192, Nov. 21.
Elevating system, Hydraulic periscope. E. O. Kollmorgen. 2,503,748, Apr. 11.
Elevator. W. E. Cheney. 2,507,887, May 16.
Elevator. G. L. Ely. 2,534,192, Dec. 12.
Elevator. S. M. Mercier. 2,525,041, Oct. 10.
Elevator, Air-conditioned. W. F. Christmann. 2,532,268, Nov. 28.
Elevator and conveyer for cylindrical articles. D. W. Bingham. 2,493,942, Jan. 10.
Elevator, Automatic. T. C. Gower. 2,501,170–1, Mar. 21.
Elevator, Automatic drill pipe. M. E. True. 2,507,127, May 9.
Elevator, Cargo-handling. H. A. Kunzelman. 2,504,206, Apr. 18.
Elevator control. H. C. Crane. 2,521,568, Sept. 5.
Elevator control system. L. J. Guay. 2,532,809, Dec. 5.
Elevator device, Single column. E. Todd. 2,527,897, Oct. 31.
Elevator door. A. E. Raqué. 2,526,503, Oct. 17.
Elevator, Electric. J. H. Helling. 2,522,614, Sept. 19.
Elevator for pipes. A. L. Stone. 2,496,360, Feb. 7.
Elevator for raising workpieces. R. E. Skow. 2,513,433, July 4.
Elevator for reels. Y. A. Bouget. 2,503,995, Apr. 11.
Elevator, Grain. L. Delivuk. 2,525,167, Oct. 10.
Elevator, Grain. L. J. Hodges. 2,524,169, Oct. 3.
Elevator, Hydraulic hoist. E. P. Von Doehren. 2,525,006, Oct. 10.
Elevator, Loading and unloading grain. A. O. Siren. 2,512,039, June 20.

Elevator lock. H. A. Flint and C. F. Lantz. 2,499,481, Mar. 7.
Elevator lock. H. A. Flint and C. F. Lantz. 2,506,496, May 2.
Elevator mechanism. C. J. Cretors. 2,528,265, Oct. 31.
Elevator platform for vehicles, Loading and unloading. H. J. Satsky. 2,530,341, Nov. 14.
Elevator, Portable inclined. J. R. Estey. 2,526,071, Oct. 17.
Elevator, Portable truck. S. L. King. 2,519,478, Aug. 22.
Elevator, Potato. T. J. Lockwood. 2,501,448, Mar. 21.
Elevator safety apparatus. W. C. Clift. 2,511,697, June 13.
Elevator safety device. P. Paquin. 2,500,702, Mar. 14.
Elevator, Sickle bar. R. R. Thomas. 2,496,608, Feb. 7.
Elevator, Stairway. S. L. Saxton and S. E. Lowell. 2,516,726, July 25.
Elevator structure. A. J. Kesler. 2,514,498, July 11.
Elevator system, Gyroscopically controlled. C. R. Hanna. 2,508,158, May 16.
Elevator, Testing vat. R. E. Benson. 2,494,224, Jan. 10.
Elevator, Tobacco. J. M. Jones. 2,533,813, Dec. 12.
Elevator, Vertical. P. Diebold. 2,494,165, Jan. 10.
11-ketopregnenes and process. L. H. Sarett. 2,505,838, May 2.
Eliminating carbon from and controlling the temperature of molten steel. P. M. Hulme. 2,502,259, Mar. 28.
Eliminating dust from grain. R. I. Patterson. 2,513,963, July 4.
Eliminating electrostatic charges in industrial processes. P. S. H. Henry, I. G. McDonald, and J. B. Todd. 2,497,604, Feb. 14.
Eliminating moisture from the surface of moisture-absorbent sheet material. P. Alexander. 2,519,728, Aug. 22.
Elimination of preservative sulfite from photographic developers prior to use in color development. A. G. Tull. 2,506,622, May 9.
Elimination of static electricity from aircraft. R. Beach. 2,497,924, Feb. 21.
Eliminator and silencer for firearms, Flash. C. H. Faust, Jr. 2,514,996, July 11.
Eliminator for refrigeration system evaporators. J. R. Zwickl. 2,523,529, Sept. 26.
Ellipse generator. P. F. Boehm. 2,532,353, Dec. 5.
Ellipsograph. A. Arnason. 2,496,614, Feb. 7.
Ellipsograph. O. P. Edwards. 2,498,798, Feb. 28.
Elliptical polarization electromagnetic energy radiation system. C. E. Smith. 2,532,428, Dec. 5.
Embedded element sole plate. H. F. Storm. 2,528,019, Oct. 31.
Embedding display sheets in plastics. B. Axelrod. 2,500,598, Mar. 14.
Embossing machine drive. H. Eberhardt. 2,530,425, Nov. 21.
Embossing machine, Record controlled. J. H. Gruver. 2,533,866, Dec. 12.
Embossing structural panels. J. W. Plauka and H. D. Tucker. 2,516,254, July 25.
Embossing thermoplastic sheets. L. L. Young. 2,504,780, Apr. 18.
Embroidering machine. P. V. Rius. 2,535,456, Dec. 26.
Emergency break-in system for channel communication systems. E. W. Marlowe. 2,510,316, June 6.
Emergency break-in system for communication systems. E. W. Marlowe. 2,521,860, Sept. 12.
Emergency control apparatus for centralized traffic control systems. T. W. Hays. 2,520,838, Aug. 29.
Emergency exit. L. P. Perkins. 2,499,035, Feb. 28.
Emergency exit. W. D. Wylie. 2,515,325, July 18.
Emergency exit system, Aircraft. V. A. Taylor. 2,522,849, Sept. 19.
Emergency gasoline tank. W. J. Derner. 2,512,225, June 20.
Emergency mechanism, Automatic. J. A. Donnelly. 2,506,709, May 9.
Emergency packing. J. A. Early. 2,518,980, Aug. 15.
Emergency plane carrier. C. Drill. 2,497,590, Feb. 14.
Emergency traction attachment. H. W. Hammond and R. W. Katz. 2,524,973, Oct. 10.
Emission indicator. Z. W. Wilchinsky. 2,523,487, Sept. 26.
Emission stabilized electronic valve. D. G. C. Hare. 2,523,468, Sept. 26.
Emitter, Secondary. H. E. Mendenhall. 2,516,574, Oct. 17.
Emitter, Thermionic electron. M. A. Pomerantz. 2,501,089, Mar. 21.
Emitting device. Thermionic. S. Klein. 2,524,227, Oct. 3.
Emptying butyl rubber reactor. R. W. Benoliel and B. W. Flanagan. 2,530,145, Nov. 14.
Emulsification-inhibited polyacrylate-containing oil compositions. A. J. Revukas. 2,516,914, Aug. 1.
Emulsifier and making same. T. Robinson and C. H. Bascom. 2,499,002, Feb. 28.
Emulsifier consisting of alkylolamine-fatty acid condensation products and esters of polyglycols. O. J. Ackelsberg. 2,531,190, Nov. 21.
Emulsifier device. I. L. Lopata. 2,513,035, June 27.
Emulsifier, Milk and cream product. J. H. Gardner. 2,504,678, Apr. 18.
Emulsifying apparatus. H. S. Bröchner. 2,509,288, May 30.
Emulsifying machine. R. E. Goldsbrough. 2,514,999, July 11.
Emulsion, Aqueous wax. A. F. Buckman, Jr., and M. M. Rendall. 2,504,920, Apr. 18.
Emulsion containing a liquefied propellant gas under pressure and spraying same. C. F. Boe. 2,524,590, Oct. 3.
Emulsion polymerization in the presence of a mercaptan modifier. W. A. Schulze and J. E. Troyan. 2,523,596, Sept. 26.
Emulsion polymerization of styrene. E. F. Fiedler and G. R. Lucas. 2,496,864, Feb. 7.
Emulsion polymerization of unsaturated organic compounds. W. L. Walton. 2,535,557, Dec. 26.
Emulsion polymerization process. E. Arundale. 2,494,326, Jan. 10.
Emulsion polymerization process and product. P. K. Frolich, B. M. Vanderbilt, and M. W. Swaney. 2,500,983, Mar. 21.
Emulsion polymerization process for the manufacture of copolymers of homogeneous composition. W. L. J. de Nie. 2,496,384, Feb. 7.
Emulsion polymerization with a composition comprising diazo thioether-ferricyanide-mercaptan-dihydroxy aromatic compound. J. E. Troyan. 2,508,734, May 23.
Emulsion serving as binding agent and making same, Hardenable. L. Schibler. 2,498,454, Feb. 21.
Emulsions. J. K. Dixon and R. L. Morgan. 2,500,122, Mar. 7.
Emulsions. R. G. Mitchell, H. C. Tait, C. L. Gilbert, and W. David. 2,512,435, June 20.
Emulsions. H. J. Schneiderwirth. 2,529,461, Nov. 7.
Emulsions containing a blue black toner, Silver halide photographic. J. D. Kendall and D. J. Fry. 2,512,721, June 27.
Emulsions containing resins. H. J. Schneiderwirth. 2,529,460, Nov. 7.
Emulsions, mixtures, and the like, Preparing and homogenizing. G. W. Edwards. 2,516,455, July 25.
Emulsions of water wet polyvinyl acetal resins, Preparing. R. D. Dunlop. 2,504,667, Apr. 18.
Emulsions, Sensitive photographic. J. H. Christensen. 2,517,541, Aug. 8.
Emulsoids. T. B. Tribble. 2,508,978, May 23.
Enamel and preparing the same. H. A. Bates. 2,533,911, Dec. 12.
Enamel insulation stripping tool. G. M. Jenkins. 2,507,017, May 9.
Enamelware. G. F. Comstock and L. J. Frost. 2,495,836, Jan. 31.
Enameled article. F. R. Porter. 2,495,762, Jan. 31.
Enameled articles. F. R. Porter. 2,495,837, Jan. 31.
Enameling. W. H. Pfeiffer. 2,532,640, Dec. 5.
Enameling of ferrous metal, Vitreous. A. E. Chester. 2,510,071, June 6.
Enamels, Acid-resistant. W. W. Coffeen and R. R. Danielson. 2,507,691, May 16.
Encapsulating. A. M. Donofrio. 2,513,852, July 4.
Encasing lamp shades and other articles. A. Scherer. 2,498,097, Feb. 21.
Enciphering and deciphering device for secret telegraph systems. W. M. Bacon. 2,504,621, Apr. 18.
Enclosed fountain gravure press. J. R. Caulfield. 2,506,011, May 2.
Enclosed resilient wheel. J. M. MacLean. 2,532,319, Dec. 5.
Enclosure device, Extensible and contractible. H. O. Stilson. 2,501,359, Mar. 21.
Enclosure device for automobile starting mechanisms. D. S. Miller. 2,502,336, Mar. 28.
Enclosure for animals, Knockdown. W. G. Harris. 2,515,084, July 11.
End assembly, Rear door. T. C. and W. R. Brown. 2,528,818, Nov. 7.
Endgate construction. R. A. Welch. 2,527,866, Oct. 31.
Endgate for trucks, Unloading. V. C. Hueneman. 2,529,608, Nov. 14.
End hardening of rails. A. C. Chamberlin and R. M. Weigle. 2,519,354, Aug. 22.
Endpiece, Spectacle. J. S. Shockey. 2,505,995, May 2.
End play eliminating means for lens tubes. C. M. Lee. 2,503,750, Apr. 11.
End stop for sealing closures. C. P. Krupp. 2,515,376, July 18.
End stop for slide fasteners. F. W. Clarke. 2,535,391, Dec. 26.
End stop for slide fasteners. M. Winterhalter. 2,522,327, Sept. 12.
End thrust bearing. A. J. Roubal. 2,527,229, Oct. 24.
Endoscope F. J. Wallace. 2,516,494, July 25.
Endoscope and obturator therefor. J. E. Held. 2,516,628, July 25.
Energizing electrical precipitator. H. J. White. 2,509,548, May 30.
Energizing self-rectifying loading devices, Method of and apparatus for. M. Morrison. 2,495,122, Jan. 17.
Energy device. J. J. Grebe. 2,516,381, July 25.
Energy radiation apparatus. H. C. Lindahl. 2,503,278, Apr. 11.

Engine: *See*—
Air-cooled engine.
Air-cooled supercharged combustion engine.
Binary gaseous heat engine.
Combustion engine.
Constant leverage engine.
Diesel engine.
Diffraction grating ruling engine.
Double-acting internal-combustion engine.
Free piston pump engine.
Fuel injection engine.
Gas fuel two-cycle internal-combustion engine.
Internal-combustion engine.
Internal-combustion turbine engine.
Jet propulsion engine.
Multicylinder piston engine.
Multiple combustion unit pulse jet engine.
Multiple opposed piston engine.
Oil-gas Diesel engine.
Rotary engine.
Rotary internal-combustion engine.
Rotary jet engine.
Rotary valve engine.
Rotary valve internal-combustion engine.
Single-acting two-stroke cycle internal-combustion engine.
Two-cycle gasoline engine.
Two-cycle internal-combustion engine.
Two-cycle low-boiling fuel injection engine.
Two-cycle multiple cylinder Diesel engine.
Two-cycle rotary valve internal-combustion engine.
Two-cycle scavenging engine.
Two-cycle type slide-valve internal-combustion engine.
Two-stroke cycle internal-combustion engine.
Two-stroke internal-combustion engine.
Two-stroke multicylinder engine.
Variable compression engine.
Ventilated underwater internal-combustion engine.

Engine. E. P. Frank. 2,513,856, July 4.
Engine. T. Jackson. 2,525,602, Oct. 10.
Engine, H. Milliken. 2,500,085, Mar. 7.
Engine accessory. R. M. Nardone. 2,513,734–5, July 4.
Engine and connecting rod structure therefor, Internal-combustion. R. Chilton. 2,533,558, Dec. 12.
Engine and cylinder block therefor, Internal-combustion. E. C. Kiekhaefer. 2,506,271, May 2.
Engine and exhaust gas turbine therefor, Internal-combustion. K. A. Browne. 2,518,660, Aug. 15.
Engine and fuselage arrangement, Aircraft. C. L. Johnson, W. M. Hawkins, Jr., and A. B. Storey, Jr. 2,504,421–2, Apr. 18.
Engine and operating the same, Steam. A. J. Townsend. 2,517,943, Aug. 8.
Engine, combined pump, and motor cylinder, Two-cycle. C. B. Sues. 2,509,538, May 30.
Engine, compressor, and control therefor, Combined steam. H. G. Mueller. 2,535,749, Dec. 26.
Engine control apparatus, Reversible. R. R. Stevens and R. E. Miller. 2,515,970, July 18.
Engine control for electric welding machine. C. J. Harrah. 2,524,257, Oct. 3.
Engine control means. A. H. Winkler and E. O. Wirth. 2,503,930, Apr. 11.
Engine control mechanism. M. U. Jopperi and C. I. Monaghan. 2,499,317, Feb. 28.
Engine control mechanism. J. W. Rhodes. 2,533,180, Dec. 5.
Engine control mechanism, Marine. J. F. Morse. 2,530,205, Nov. 14.
Engine controller, Airplane. C. H. Jorgensen and W. H. Taylor. 2,516,123, July 25.
Engine construction and cooling method. G. E. Buske. 2,494,742, Jan. 17.
Engine conversion unit, Compound. H. G. Mueller. 2,514,287, July 4.
Engine cooling apparatus. T. J. Bay. 2,498,637, Feb. 28.
Engine cooling system, Trailer mounted. H. C. Prouse. 2,503,411, Apr. 11.
Engine cylinder and pump, Two-stroke cycle. W. L. Tenney. 2,522,649, Sept. 19.
Engine detonation suppressor, Barometric pressure sensitive. D. E. Anderson. 2,513,775, July 4.
Engine driven by expansion and contraction of vapor, Vapor. C. L. Tubbs. 2,513,692, July 4.
Engine embodying complemental pocketed rotors, Reactive impulse. R. Moosbrugger. 2,507,481, May 9.
Engine exhaust chamber construction. H. A. Gehres. 2,504,973, Apr. 25.
Engine for aircraft, Diesel. F. J. Smith. 2,505,999, May 2.
Engine for aircraft, Dual resonant jet propulsion. P. H. Kemmer, H. M. Heuver, and F. L. Wattendorf. 2,523,308, Sept. 26.
Engine for aircraft, Wing-mounted jet reaction. P. Kollsman. 2,523,378, Sept. 26.
Engine for propulsion of bicycles, Internal-combustion. C. Gilardi. 2,501,866, Mar. 28.
Engine foundation. H. J. Woolslayer, E. A. Campbell and C. Jenkins. 2,511,613, June 13.
Engine, four cycle, Opposed piston. W. A. Maxwell. 2,495,978, Jan. 31.
Engine fuel control. H. Davids. 2,518,291, Aug. 8.
Engine fuel control, Free piston. L. J. Garday. 2,531,331, Nov. 21.
Engine fuel system. A. G. Bodine. 2,520,120, Aug. 29.
Engine governing apparatus. R. H. Christian. 2,527,353, Oct. 24.
Engine governor. R. H. Christian. 2,527,352, Oct. 24.
Engine including reciprocating pressure gas generator, Jet. M. Mallory. 2,512,254, June 20.
Engine lifting tool. D. E. Swanson. 2,500,436, Mar. 14.
Engine lubricating apparatus. A. T. Briggs. 2,531,319, Nov. 21.
Engine lubrication, Internal-combustion. R. Daub. 2,511,248, June 13.
Engine manifold construction. J. Kuttner. 2,494,947, Jan. 17.
Engine manifold pressure simulating apparatus for aircraft ground trainers. J. J. Lukacs. 2,499,597, Mar. 7.
Engine mount. F. A. Ford, Jr. 2,523,504, Sept. 26.
Engine of the compression ignition-type, Internal-combustion. C. W. Chapman. 2,528,263, Oct. 31.
Engine or turbine, Rotary. J. Udelman. 2,530,925, Nov. 21.
Engine power analyzer. J. E. Lindberg, Jr., and C. L. Sackett. 2,518,427, Aug. 8.
Engine pressure regulator. C. H. Jorgensen and L. C. Dermond. 2,503,274, Apr. 11.
Engine protective control system. T. O. Lillquist. 2,499,319, Feb. 28.
Engine regulating means. F. C. Reggio. 2,516,911, Aug. 1.
Engine safety switch. L. W. Maddox. 2,529,775, Nov. 14.
Engine speed control. V. A. Roach. 2,533,627, Dec. 12.
Engine speed governor. R. H. Christian. 2,527,354, Oct. 24.
Engine speed regulation. J. J. Root. 2,510,296, June 6.
Engine starter. S. Gilbert. 2,526,127, Oct. 17.
Engine starter. S. Gilbert. 2,530,869, Nov. 21.
Engine starter. J. B. Hiday. 2,515,087, July 11.
Engine starter. J. Knezo, Jr. 2,533,379, Dec. 12.
Engine starter. A. M. Madlé. 2,530,475, Nov. 21.
Engine starter control, Semiautomatic. J. E. Buxton. 2,528,112, Oct. 31.
Engine starter control switch. J. W. Dickey. 2,516,304, July 25.
Engine starter control switch. K. P. Tota. 2,532,968, Dec. 5.
Engine starter drive. P. L. Schneider, D. W. Nighbert, and H. J. Cromwell. 2,509,110, May 23.
Engine starter unit. W. A. Forbess. 2,511,908, June 20.
Engine starting apparatus. J. D. S. de Guerin. 2,506,663, May 9.
Engine starting device. L. D. Boyce. 2,518,658, Aug. 15.
Engine starting device. L. D. Boyce. 2,533,551, Dec. 12.
Engine starting device. M. Robinson. 2,513,364, July 4.
Engine starting means. C. S. Metsger. 2,508,833, May 23.
Engine starting mechanism. D. L. Miller. 2,505,334, Apr. 25.
Engine temperature and cowl flap control for aircraft ground trainers. F. M. Burelbach. 2,496,617, Feb. 7.
Engine valve mechanism-transmission actuated retarding and accelerating linkage. C. F. Berry. 2,531,904, Nov. 28.
Engine warmer, Automobile. L. V. Michal. 2,515,659, July 18.
Engine warmer, Internal-combustion. R. H. McConnell. 2,507,213, May 9.
Engine-warming mechanism, Automatic. C. E. Lincoln. 2,497,948, Feb. 21.
Engine with afterburner and fuel control system therefor, Turbojet. H. E. Schmitt. 2,520,967, Sept. 5.
Engine with complete expansion, Internal-combustion. G. Quint. 2,525,271, Oct. 10.
Engine with controllable auxiliary jet, Gas turbine. E. A. Stalker. 2,503,006, Apr. 4.
Engine with demountable power units, Internal-combustion. R. W. Kronlund. 2,504,988, Apr. 25.
Engine with means to prevent heating of cooler upon stoppage, Hot-gas. W. J. van Heeckeren. 2,508,314, May 16.
Engine with opposed pistons, Internal-combustion. R. Laraque. 2,530,884, Nov. 21.
Engine with starting means and starting the same, Supercharged internal-combustion. F. Nettel. 2,503,289, Apr. 11.
Engine with start-run conditioning means, Reciprocating. W. J. van Heeckeren. 2,515,933, July 18.
Engine with telescopic thrust augmenter, Pulse jet. J. J. Mazzoni. 2,496,351, Feb. 7.
Engine with water release mechanism, Radial steam. C. C. Williams. 2,513,982, July 4.
Engines of the opposed piston type with clutches and crankshaft synchronizing devices, Multiple internal-combustion. J. E. Johansson. 2,527,424, Oct. 24.
Engraving and numbering apparatus, Scale. C. W. Clutz and E. A. Young. 2,496,936, Feb. 7.
Engraving designs in bodies of transparent plastic composition. C. L. Stuempges. 2,511,552, June 13.
Engraving machine. H. M. Olson. 2,506,166, May 2.
Enhancing physical properties of aluminum base alloys containing zinc and magnesium. M. A. Hobbs. 2,506,788, May 9.
Enlarger, Key seat. J. J. Burris. 2,501,025, Mar. 21.
Enol acetates, Production of. F. G. Young. 2,511,423, June 13.
Ensemble, Slip and blouse. L. Stein. 2,531,994, Nov. 28.
Ensilage cutter. C. J. Heimark. 2,530,466, Nov. 21.
Entrainment device. D. A. Campbell and R. M. Buck. 2,524,559, Oct. 3.

Envelope. J. A. Frampton. 2,527,925, Oct. 31.
Envelope. V. E. Heywood. 2,535,537, Dec. 26.
Envelope, Elastic ventilated tubular. S. Penksa. 2,512,872, June 27.
Envelope for apparatus for dispensing beverages, Ornamental. S. Pinanski. 2,514,558, July 11.
Envelope for filing purposes and the like. C. A. Pate. 2,503,592, Apr. 11.
Envelope for frozen liquid refrigerants. E. L. Beckwith and G. C. Colburn. 2,515,582, July 18.
Envelope or jacket for the safe storage of phonograph records. A. J. Franck. 2,512,577, June 20.
Envelope printing press. C. H. Marvin. 2,521,237 Sept. 5.
Envelope, Protective. F. R. Krueger. 2,508,274, May 16.
Envelope, Shoulder pad. A. R. Davis. 2,519,637, Aug. 22.
Envelope, Transparent protective and display. A. F. Allen. 2,520,449, Aug. 29.
Envelopes having glass windows, such as the envelopes for cathode-ray tubes or the like, Manufacture of. H. E. Holman and R. R. Pearce. 2,518,690, Aug. 15.
Envelopes of electron discharge and other evacuated devices, Manufacture of the. E. Despois. 2,504,504, Apr. 18.
Enzymatic material, Production of dried, defatted. E. Levin. 2,503,313, Apr. 11.
Enzymes in submerged cultures of bacteria, Production of. C. V. Smythe, B. B. Drake, and C. E. Neubeck. 2,530,210, Nov. 14.
Ephedrine and salts thereof, Preparation of. I. Scriabine. 2,509,309, May 30.
Ephedrine-penicillin. M. W. Goldberg and S. Teitel. 2,527,810, Oct. 31.
Epicyclic change-speed gear. W. Brown. 2,509,721, May 30.
Epicyclic drive. L. H. Browne. 2,529,996–7, Nov. 14.
Epicyclic drive. L. H. Browne. 2,532,992, Dec. 5.
Epicyclic gear. C. F. Derbyshire. 2,501,034, Mar. 21.
Epinephrine mist for treatment of asthma, Urea stabilized. H. A. Abramson. 2,503,650, Apr. 11.
Epoxide compositions. C. E. Bixler. 2,512,996, June 27.
Epoxide resin compositions. S. O. Greenlee. 2,528,360, Oct. 31.
Epoxides and preparing same. H. J. Cahnmann and R. Daniels. 2,501,026, Mar. 21.
Epoxy ether compositions containing phenolic pitch. T. F. Bradley. 2,528,417, Oct. 31.
Epoxyethylcyclohexane hydroxy ethers. O. C. W. Allenby. 2,500,016, Mar. 7.
Equalizer for ground conductors. G. D. Wickman. 2,502,496, Apr. 4.
Equalizer for supporting magnetic recording and erasing heads. C. C. Pond. 2,530,029, Nov. 14.
Equalizer, Variable. R. S. Graham. 2,510,283, June 6.
Equilenin compounds and products of such process, Preparing. W. S. Johnson, J. W. Petersen, and C. D. Gutsche. 2,527,999, Oct. 31.
Equilibrator for pneumatic tires, Automatic pressure and temperature. W. A. Caldwell. 2,512,766, June 27.
Equipment for adjusting packing and the like. R. H. Mueller. 2,497,789, Feb. 14.
Equipment for attaching airplane propeller deicer shoes. R. W. Brown. 2,514,201, July 4.
Equipment for measuring pulsating and steady pressure. J. Clark. 2,509,210, May 30.
Equipment for salvaging submerged objects. J. Rinne. 2,508,800, May 23.
Equipment for stabilizing a platform mounted in a craft, Control. F. W. Meredith. 2,495,591, Jan. 24.
Equipment for starting electric motors. L. Heidmann. 2,511,259, June 13.
Equipment for testing trolley wire insulators and rail bonds of electric railways. A. J. Sorensen. 2,518,087, Aug. 8.
Equipment having an adjustable advance ball, Recording. R. O. Hanson and W. F. Saars. 2,528,826, Nov. 7.
Equipment stand. E. J. Ries and N. E. Lauterbach. 2,500,095, Mar. 7.
Eradicating weeds from carrot plots, Selectively. M. W. Swaney and L. Z. Jasion. 2,512,044, June 20.
Eraser. H. H. and S. O. Raymond. 2,528,709, Nov. 7.
Eraser. C. J. Schreiber. 2,499,881, Mar. 7.
Eraser and holder therefor. H. E. Griffin and V. J. Collins. 2,520,085, Aug. 22.
Eraser, Extendible. J. J. Robbins. 2,532,037, Nov. 28.
Eraser for pencils, Adjustable. C. R. Hicks. 2,533,668, Dec. 12.
Eraser for writing instruments. C. F. Norlin. 2,495,178, Jan. 17.
Eraser mounting. S. J. Ross. 2,524,716, Oct. 3.
Eraser, Power-driven oscillating. P. C. Hutton. 2,534,773, Dec. 19.
Erasing appliance. M. Fehr. 2,517,859, Aug. 8.
Erasing head and apparatus for magnetic recorders. O. Kornei. 2,535,498, Dec. 26.
Erasing shield and protector, Combined. F. H. Gibson. 2,522,111, Sept. 12.
Erecting device for gyroscopes. W. R. Weems and R. A. Wright. 2,505,021, Apr. 25.
Erecting means for gyro verticals. R. Haskins, Jr. and C. E. Barkalow. 2,492,995, Jan. 3.
Erecting mechanism for gyro verticals. H. Konet. 2,511,273, June 13.
Erecting system for gyroscopes. R. F. Wehrlin. 2,499,238, Feb. 28.
Erecting system, Gyroscope. W. A. Reichel. 2,531,826, Nov. 28.
Erector mechanism for gyroscopes. T. W. Kenyon. 2,499,391, Mar. 7.
Erector system, Gyroscope. R. Alkan. 2,504,061, Apr. 11.
Ergometer, Bicycle. V. Guillemin, Jr. 2,510,973, June 13.
Error detector for start-stop telegraph printers. J. C. Warwick, Jr. 2,508,554, May 23.
Error elimination in thyratron pickoff circuits. S. W. Lichtman. 2,525,808, Oct. 17.
Erythemal meter. H. S. Scott. 2,531,000, Nov. 21.
Erythemal phosphor, Making an improved. H. C. Froelich. 2,512,270, June 20.
Escapement. H. Jeanneret. 2,526,620, Oct. 24.
Escapement device. R. P. Jaccard. 2,531,273, Nov. 21.
Escutcheon and escutcheon fastening means. E. B. Cain. 2,531,670, Nov. 28.
Essence or extract, Chocolate. B. I. Masurovsky. 2,512,663, June 27.
Establishing electrical connections in electrical apparatus. L. H. Taylor. 2,502,291, Mar. 28.
Ester-acetals, Preparation of. C. H. McKeever and G. H. Agnew. 2,533,276, Dec. 12.
Ester compositions, Polymeric acrylate. C. L. Shapiro. 2,529,108, Nov. 7.
Ester condensation. D. E. Floyd. 2,523,692, Sept. 26.
Ester derivatives of chloromethyl dihydrosafrol. H. Wachs. 2,521,812, Sept. 12.
Ester hydrolysis. W. F. Gresham. 2,511,467, June 13.
Ester materials insoluble in organic solvents, Cellulose. H. J. Hagemeyer, Jr. 2,500,029, Mar. 7.
Ester of 1,5-pentanediol and its preparation. S. J. Hetzel. 2,533,250, Dec. 12.
Esterification process. E. J. Milbrada. 2,526,761, Oct. 24.
Esterification with boron fluoridehydroxy polyether complexes. G. E. Serniuk and B. M. Vanderbilt. 2,534,304, Dec. 19.
Esterlike derivatives of azo dyestuffs. F. Felix, A. Heckendorn. E. Reich, N. Welt, and F. Oesterlein. 2,495,243–4, Jan. 24.
Esters. S. B. McFarlane and J. Lomartire. 2,513,504, July 4.
Esters and synthetic resinous products produced therewith, Unsaturated. H. F. Minter. 2,524,921, Oct. 10.
Esters of α-acyloxy acrylic acids. W. O. Kenyon and C. C. Unruh. 2,499,392, Mar. 7.
Esters of α-acyloxyacrylic acids. W. O. Kenyon, C. C. Unruh, and T. T. M. Laakso. 2,499,393, Mar. 7.
Esters of acrylic acid, Producing. P. F. Wiley, and G. A. Nesty. 2,526,310, Oct. 17.
Esters of aliphatic monocarboxylic acids and polybutadiene alcohols and preparing the same. E. L. Jenner. 2,533,938, Dec. 12.
Esters of alkoxy carboxylic acids, Producing. W. J. Croxall and J. O. Van Hook. 2,535,009, Dec. 19.
Esters of anthracene acid adducts. L. M. Geiger. 2,511,577, June 13.
Esters of antimonous acids and preparing same. J. B. Rust and L. Spialter. 2,511,013, June 13.
Esters of beta-alkoxy-gamma-aminocrotonates, Production of. J. O. Van Hook and W. J. Croxall. 2,525,084, Oct. 10.
Esters of beta-hydroxy carboxylic acids by the reaction of beta-lactones with chlorophenols, Preparation of novel. W. L. Beears. 2,535,832, Dec. 26.
Esters of cyclic acetalacetic acids, Preparation of. W. J. Croxall and J. O. Van Hook. 2,500,155, Mar. 14.
Esters of cyclohexadiene dicarboxylic acids, Aliphatic. W. E. Elwell. 2,502,644, Apr. 4.
Esters of cyclohexadiene polycarboxylic acids. P. C. Condit. 2,511,621, June 13.
Esters of dichlorosuccinic acid, Preparation of. J. O. Ashcraft. 2,527,345, Oct. 24.
Esters of dihydric alcohols, Cyanoether. L. T. Crews. 2,495,214, Jan. 24.
Esters of dihydro- and tetrahydropyran carboxylic acids, and polymers of the same. R. R. Whetstone, S. A. Ballard, and C. J. Ott. 2,514,172, July 4.
Esters of di-substituted acetic acids and sulfur containing tertiary amino alkanols. R. O. Clinton, W. Huber, G. M. Fohlen, and S. C. Laskowski. 2,512,307, June 20.
Esters of epoxy alcohols with propenoic compounds. G. L. Dorough. 2,524,432, Oct. 3.
Esters of fatty acids, Stabilized chlorinated. E. W. Johnson. 2,524,528, Oct. 3.
Esters of hydroxyalkyl aromatic sulfonamides. D. Aelony. 2,496,650–1, Feb. 7.
Esters of hydroxyalkyl ethers of carbohydrate gums. O. A. Moe. 2,523,708, Sept. 26.
Esters of isoprene halohydrins, Producing. W. Oroshnik. 2,511,870, June 20.
Esters of maleic acid. R. A. Jacobson. 2,519,764, Aug. 22.
Esters of monocarboxylic acids, Making. H. B. Copelin. 2,499,725, Mar. 7.
Esters of oleic acid with unsaturated alcohols. D. Swern and G. B. Dickel. 2,527,597, Oct. 31.
Esters of omega, omega, omega-trihalo aliphatic carboxylic acids, Producing. E. C. Ladd and H. Sargent. 2,515,306, July 18.

Esters of pentaerythritol dehydration products. J. A. Wyler. 2,495,305, Jan. 24.
Esters of phenyl-heterocyclicamoni-acetic acid and their production. G. Rieveschl, Jr. 2,527,574, Oct. 31.
Ethers of phenyl methyl carbinold and its homologues, Production of. D. Faulkner and F. E. Salt. 2,517,418, Aug. 1.
Esters, Preparation of. J. Lomartire. 2,533,323, Dec. 12.
Esters, Preparation of. W. W. Prichard. 2,517,416, Aug. 1.
Esters of pyridyl-3-carbinol. R. Schläpfer. 2,524,838, Oct. 10.
Esters of 7-halogenocholesterol, Preparation of. E. R. H. Jones, A. E. Bide, and R. J. Nicholls. 2,531,688, Nov. 28.
Esters of sulfur-containing polycarboxylic acids. J. T. Gregory and J. E. Jansen. 2,530,872, Nov. 21.
Esters of 10, 11-di(alkylcarbonyloxy)hendecanoic acid. R. A. Clarke. 2,510,802, June 6.
Esters of 3,5,5-trimethyl-1-hexanol. W. E. Catlin and B. W. Howk. 2,499,848, Mar. 7.
Esters of 2,4-dichlorophenoxy-acetic acid. E. C. Britton and L. E. Begin. 2,523,187–9, Sept. 19.
Esters of 2-hydroxycyclohexanone. L. P. Kyrides. 2,504,135, Apr. 18.
Esters of unsaturated lower fatty acids, Production of. R. O. Norris. 2,500,005, Mar. 7.
Esters, Oily complex. E. M. Beavers and R. F. Conyne. 2,499,984, Mar. 7.
Esters, Preparation of unsaturated. H. de V. Finch and E. A. Peterson. 2,513,090, June 27.
Esters, Synthetic. H. Wittcoff and J. R. Roach. 2,527,870, Oct. 31.
Esters, the production of. C. M. Himel. 2,525,353, Oct. 10.
Estimating the phlegmatizing properties of waxes as applied to high explosives. J. W. Rowen and A. J. Phillips. 2,531,471, Nov. 28.
Etching apparatus, Automatic. F. Caroselli. 2,534,338, Dec. 19.
Etching compound. G. R. McKay. 2,493,984, Jan. 10.
Etching device, Electrical. A. R. Lindsay. 2,498,129, Feb. 21.
Etching process. E. B. Ott. 2,521,648, Sept. 5.
Ethanol rosin amines. R. Rosher. 2,510,295, June 6.
Ether-carbonates and polymers. H. A. Pace. 2,510,600, June 6.
Ether derivatives. M. Katzman and A. K. Epstein. 2,496,875, Feb. 7.
Ether sulfonates, Preparation of. C. S. Hollander and L. H. Bock. 2,535,677, Dec. 26.
Ethers. G. L. Doelling and K. H. Adams. 2,527,506, Oct. 24.
Ethers and preparing same, High-viscosity starch. O. A. Moe. 2,523,709, Sept. 26.
Ethers derived from hexafluorobutyne-2. D. W. Chaney. 2,522,566, Sept. 19.
Ethers of beta-hydroxyadiponitrile. G. F. Hager. 2,500,942, Mar. 14.
Ethers of cyclic sulfones, Substituted. R. C. Morris and J. L. Van Winkle. 2,494,515, Jan. 10.
Ethers of 4,4′-(2-hydroxy-isopropylidene) diphenol. A. J. Dietzler. 2,526,545, Oct. 17.
Ethers of hydroxyethane sulfonates and ether alcohols, Preparation of. C. S. Hollander and L. H. Bock. 2,535,678, Dec. 26.
Ethers of 7-hydroxyphenothiazone-3. D. F. Houston and E. B. Kester. 2,504,980, Apr. 25.
Ethers of 16-keto-(α)estradiol and manufacturing the same. M. N. Huffman. 2,522,177, Sept. 12.
Ethers, Unsaturated. J. R. Roach and H. Wittcoff. 2,527,853, Oct. 31.
Ethinyl-tetralols, Preparation of. M. W. Goldberg and W. E. Scott. 2,524,787, Oct. 10.
Ethyl alcohol and alkylate, Production of. P. M. Arnold. 2,511,810, June 13.
Ethyl alcohol and alkylate, Production of. W. W. Weinrich. 2,511,758, June 13.
Ethylbenzene conversion. A. P. Lien and D. A. McCaulay. 2,528,893, Nov. 7.
Ethylbenzene, Producing. H. E. Morris and D. M. Evans. 2,498,567, Feb. 21.
Ethylcellulose articles and making same, Surface treated. E. L. Kropscott and P. H. Lipke. 2,494,513, Jan. 10.
Ethyl cellulose-coated textile fabric. W. W. Koch. 2,507,107, May 9.
Ethyl cellulose-phenol modified coumarone-indene lacquer for polystyrene. K. D. Bacon and A. E. Young. 2,510,851, June 6.
Ethyl cellulose, Plasticized. E. L. Kropscott and P. H. Lipke, Jr. 2,524,812, Oct. 10.
Ethyl chloride, Continuous process for the manufacture of. J. L. McCurdy. 2,516,638, July 25.
Ethylmethylpolysiloxanes. A. J. Barry and J. W. Gilkey. 2,495,363, Jan. 24.
Ethylene, Production of. K. H. Hachmuth. 2,498,866, Feb. 28.
Ethylene-alkylene oxide copolymers. D. D. Coffman. 2,516,960, Aug. 1.
Ethylene diamine condensation products and parasiticidal compositions containing them. H. L. Yowell and L. A. Mikeska. 2,523,177, Sept. 19.
Ethylenediamines and preparing same, Substituted. M. F. Zienty. 2,512,293, June 20.
Ethylene diamines, Preparation of. A. G. Weber and C. D. Bell. 2,519,803, Aug. 22.
Ethylene glycol esters, Manufacture of. W. F. Gresham and C. E. Schweitzer. 2,519,754, Aug. 22.
Ethylene interpolymers. R. B. Richards, J. R. Myles, and D. Whittaker. 2,526,773, Oct. 24.
Ethylene oxide condensates of ethanol rosin amines. H. H. Haggard. 2,510,284, June 6.
Ethylene polymerizations, Catalyzed. M. J. Roedel. 2,519,791, Aug. 22.
Ethyleneurea, Preparation of. A. T. Larson. 2,497,308, Feb. 14.
Ethyleneurea, Preparation of. A. T. Larson and A. G. Weber. 2,497,309, Feb. 14.
Ethyleneurea, Preparation of. A. T. Larson, D. J. Loder, and H. R. Dittmar. 2,526,757, Oct. 24.
Ethyleneurea, Preparation of. D. J. Loder. 2,504,431, Apr. 18.
Evacuating drip water from evaporating units of refrigerating equipment. G. Frie. 2,525,342, Oct. 10.
Evaluating device, Ship loading. C. W. Merriam, Jr., and F. K. Perkins. 2,496,302, Feb. 7.
Evaluator, Electric direction finding. J. H. Lewis and J. L. Allison. 2,535,942, Dec. 26.
Evaporative cooler. R. N. Brookins. 2,535,386, Dec. 26.
Evaporative cooler. G. Epperly. 2,524,697, Oct. 3.
Evaporative cooler. C. K. Mousel. 2,495,538, Jan. 24.
Evaporative cooler. B. J. Zapart and R. A. Mack. 2,517,156, Aug. 1.
Evaporator. S. L. Baker and C. J. Butzine. 2,510,057, June 6.
Evaporator. A. W. Baumann. 2,510,275, June 6.
Evaporator. F. W. Embardt. 2,499,302, Feb. 28.
Evaporator. J. E. Pottharst, Jr. 2,509,108, May 23.
Evaporator. C. W. Smith. 2,522,905, Sept. 19.
Evaporator. G. A. Worn and W. E. Brockel. 2,535,996, Dec. 26.
Evaporator and fluid contact apparatus. J. G. Wilson and E. B. Wist. 2,519,618, Aug. 22.
Evaporator and making the same, Refrigeration. H. D. White and C. H. Kafer. 2,515,972, July 18.
Evaporator and separator. R. O. Henszey. 2,512,938, June 27.
Evaporator apparatus. C. P. Ludman and C. F. Hancock. 2,504,710, Apr. 18.
Evaporator apparatus. J. P. Rathbun. 2,524,715, Oct. 3.
Evaporator, Bell-jar vacuum. C. N. Hoyler. 2,496,054, Jan. 31.
Evaporator, Refrigerant. L. A. Philipp. 2,496,558, Feb. 7.
Evaporator, Refrigeration. C. H. Kafer and H. D. White. 2,517,212, Aug. 1.
Evaporator with concentric evaporating chambers, Rotary drum. J. E. Bibby. 2,493,220, Jan. 3.
Evaporography. A. Murray. 2,503,759, Apr. 11.
Evener for a span of horses. E. L. Way. 2,533,651, Dec. 12.
Evener for cotton pickers. T. S. Ramsdell. 2,532,330, Dec. 5.
Eviscerating tool. E. M. Lynn. 2,508,957, May 23.
Exact reading of the phase position of an arbitrary impulse in a periodically recurrent series of impulses. S. E. Bergmar and F. V. Kimblad. 2,520,489, Aug. 29.
Excavating apparatus, Dragline. G. E. Bryant. 2,530,150, Nov. 14.
Excavating machine. W. E. Hume. 2,534,972, Dec. 19.
Excavator. T. C. and W. E. Mullins, Jr. 2,535,750, Dec. 26.
Excavator. W. A. Owen. 2,501,083, Mar. 21.
Excavator, Hoe. L. O. McLean. 2,498,000, Feb. 21.
Excavator, Portable. F. L. White and E. I. Belcher. 2,498,321, Feb. 21.
Excavator, Portable self-propelled. F. L. White. 2,518,964, Aug. 15.
Exchange system with means for preventing interference from unbalance conditions, Private branch. L. J. Bowne. 2,502,820, Apr. 4.
Excitation control system. M. A. Edwards and C. F. Bauersfeld. 2,512,317, June 20.
Excitation system. C. Lynn. 2,525,495, Oct. 10.
Excitation system for dynamoelectric machines. G. M. Adams. 2,503,897, Apr. 11.
Exciter control. L. E. Gartner and J. W. Allen. 2,529,766, Nov. 14.
Exerciser. T. S. Benice. 2,512,911, June 27.
Exerciser, Abdominal muscle. M. R. Hull. 2,528,750, Nov. 7.
Exerciser, Foot. J. A. and G. A. Pough. 2,510,193, June 6.
Exerciser, Foot. A. J. Strelecky. 2,512,904, June 27.
Exerciser, Push-and-pull. M. S. Tougas. 2,530,921, Nov. 21.
Exercising apparatus to be used with bicycle. W. S. Myers. 2,498,047, Feb. 21.
Exercising device. S. R. Mohler and S. E. Ross, Jr. 2,529,347, Nov. 7.
Exercising device for horses. E. Costello. 2,500,805, Mar. 14.
Exercising device, Toe and foot. S. Fayne. 2,513,408, July 4.
Exercising equipment. M. MacGregor. 2,533,273, Dec. 12.

Exercising machine, Dog. J. Yushak. 2,506,322, May 2.
Exercising machine, Foot. C. C. Moshier. 2,513,197, June 27.
Exercising machine, Mechanical swimming. B. Becker. 2,497,391, Feb. 14.
Exhalation valve. H. L. Burns and V. J. Wulff. 2,519,349, Aug. 22.
Exhaust control, Power plant combustion gas. M. Kadenacy. 2,522,118, Sept. 12.
Exhaust-gas conditioning means. J. P. Ruth. 2,508,297, May 16.
Exhaust head of steam turbines. M. H. L. Sédille and M. G. Schwarz. 2,511,130, June 13.
Exhaust pipe end cover. C. R. Taylor. 2,494,016, Jan. 10.
Exhaust system. F. Whittle. 2,516,819, July 25.
Exhaustion indicator. H. Samuels. 2,524,274, Oct. 3.
Exhibiting and/or controlling changes in a condition, Method of and apparatus for. J. G. Ziegler. 2,512,561, June 20.
Exhibiting device, Poster. E. D. Branzell. 2,534,851, Dec. 19.
Exhibitor, Changeable. F. Harness. 2,526,817, Oct. 24.
Exit lock. N. Kulbersh. 2,505,190, Apr. 25.
Exothermic composition for controlling the fluidity of castings. P. J. Soffel. 2,500,097, Mar. 7.
Exothermic composition for use in molds for casting molten metal. M. J. Udy. 2,513,602, July 4.
Expander, Casing. P. B. Clark. 2,499,630, Mar. 7.
Expander for ductile metal pipes and tubes. A. Champion. 2,526,932, Oct. 24.
Expander for fabric in tubular form, Overfeed and internal. F. C. Wedler. 2,517,067, Aug. 1.
Expander for piston rings. H. P. Phillips. 2,535,597, Dec. 26.
Expanding earth materials. H. L. Pierce. 2,501,962, Mar. 28.
Expanding minerals, Method and apparatus for. J. L. Essex and J. R. Appleton. 2,531,975, Nov. 28.
Expanding perlite, Process and furnace for. W. E. Johnson and A. R. Bollaert. 2,505,249, Apr. 25.
Expansible basket-weave chain. L. A. Williams. 2,528,568, Nov. 7.
Expansible rimmed abrading wheel. E. Kristek. 2,494,818, Jan. 17.
Expansible sheath electric power cable. J. S. Möllerhöj and S. Stigsgaard. 2,531,917, Nov. 28.
Expansible storm window frame. W. M. Krantz. 2,504,701, Apr. 18.
Expansible tube plug. A. A. Conklin and R. G. Sherman. 2,533,715, Dec. 12.
Expansible wiping die. J. E. Lodge. 2,522,289, Sept. 12.
Expansion and contraction tool. H. D. La Mont. 2,535,078, Dec. 26.
Expansion bit. H. C. Wilson. 2,496,427, Feb. 7.
Expansion closure device. W. W. Baber. 2,525,994, Oct. 17.
Expansion joint. E. Copeland. 2,506,293, May 2.
Expansion joint. C. L. Haynes. 2,493,404, Jan. 3.
Expansion means for cooling aircraft cabins. H. J. Wood. 2,502,194, Mar. 28.
Expansion means for cooling an aircraft cabin. C. W. Morris. 2,518,246, Aug. 8.
Explosion operated pump. I. C. Miller. 2,532,635, Dec. 5.
Expansion rail joint. H. O. Hoffmann. 2,518,784, Aug. 15.
Expansion safety valve. R. O. Thompson. 2,522,145, Sept. 12.
Expansion valve. G. O. R. Lindgren. 2,506,724, May 9.
Exploitation of fuel deposits, Underground. D. Dalin. 2,497,868, Feb. 21.
Exploiting oil or other mineral deposits underlying submerged areas, Method of and apparatus for. R. D. Shrewsbury. 2,503,516, Apr. 11.
Exploration of troposphere stratification. L. J. Sivian. 2,507,121, May 9.
Exploring for radioactive bodies. L. Goldstein and B. Pregel. 2,499,489, Mar. 7.
Explosion-proof motor. S. S. Brown. 2,512,136, June 20.
Explosion-proof pilot light. W. C. Pearson. 2,529,706, Nov. 14.
Explosions on surfaces, Producing. J. H. Frazer, J. W. Perry, and W. R. Johnson. 2,504,119, Apr. 18.
Explosive cartridge connector. R. McGirr. 2,525,703, Oct. 10.
Explosive composition. A. M. Ball. 2,498,388, Feb. 21.
Explosive composition. G. A. Lyte. 2,499,321, Feb. 28.
Exposing apparatus for the making of photographs, photoprints, negatives, and the like. W. M. Buskes. 2,510,863, June 6.
Exposure determining device for photographic cameras having cooperating indicia on camera and film magazine. K. Rath. 2,493,928, Jan. 10.
Exposure determining device, Photographic. K. W. Wennerstrom. 2,508,129, May 16.
Exposure mechanism for setting shutters, Bulb. C. C. Fuerst. 2,507,148. May 9.
Exposure meter. A. T. Williams and P. Huber. 2,528,716, Nov. 7.
Expressing oil. F. W. Weigel. 2,533,858, Dec. 12.
Expulsion fuse switch. T. Birkenmaier. 2,525,999, Oct. 17.
Expulsion gap. R. D. Nelson. 2,503,965, Apr. 11.
Extensible coat hanger. M. S. Kenworthy. 2,527,312, Oct. 24.
Extensible connector. S. Levine. 2,499,102, Feb. 28.
Extensible cord lamp. L. L. Patterson. 2,507,541, May 16.
Extensible gate. H. H. Tonn. 2,531,310, Nov. 21.
Extensible ironing board. D. H. Clark. 2,494,506, Jan. 10.
Extensible standard. F. S. Lewis. 2,495,674, Jan. 24.
Extension column lock. W. H. Horton. 2,503,738, Apr. 11.
Extension device for bracelets or the like. A. R. Saccoccio. 2,503,921, Apr. 11.
Extension for material handling scoops. G. Siems. 2,496,563, Feb. 7.
Extension for tractor drawbars, Vertically swingable. B. M. Hyman. 2,496,474, Feb. 7.
Extension for tractors, Steering post. A. R. Tweden. 2,512,240, June 20.
Extension for use in filling tobacco hogsheads, Knockdown. H. G. Bell. 2,514,988, July 11.
Extension key chain. C. A. Anderson. 2,531,835, Nov. 28.
Extension roller screen. J. B. Plaum. 2,498,094, Feb. 21.
Extensometer. R. P. Lathrop. 2,500,836, Mar. 14.
Extensometer. T. F. Reed. 2,525,182, Oct. 10.
Exterminating device, Insect. W. M. Edmonstone. 2,495,366–7, Jan. 24.
Exterminating device, Insect. J. E. McElreath. 2,530,893, Nov. 21.
Exterminating rodents. P. J. O'Sullivan. 2,523,541, Sept. 26.
Exterminator, Animal. R. J. Courter. 2,534,699, Dec. 19.
Exterminator, Insect. R. T. Dewey. 2,517,292, Aug. 1.
Exterminator protecting device. W. J. Stover. 2,532,681, Dec. 5.
Exterminator, Rodent. L. D. Goldsmith. 2,503,384, Apr. 11.
Extinguisher. J. B. Hinson. 2,520,767, Aug. 29.
Extinguisher, Cigarette. C. A. T. Agee. 2,518,849, Aug. 15.
Extinguisher, Cigarette. J. S. Hart, Jr., 2,529,871, Nov. 14.
Extinguisher and ash tray, Cigarette. H. R. Worthing. 2,494,979, Jan. 17.
Extinguisher and ash tray, Combined cigarette. C. A. T. Agee. 2,495,496, Jan. 24.
Extinguishing equipment, Air borne. H. J. Bowman. 2,504,247, Apr. 18.
Extinguishing film fire. B. B. Savage. 2,532,949, Dec. 5.
Extracting aconitine. E. F. Rogers. 2,521,805, Sept. 12.
Extracting air bags, method and machine for. E. C. Kastner. Re. 23,249, July 18.
Extracting alkaloidals from plants with aqueous aluminum sulfate. L. Feinstein and P. J. Hannan. 2,525,784, Oct. 17.
Extracting alkaloidals from plants with aqueous ammonia-ethylene dichloride mixture. L. Feinstein and P. J. Hannan. 2,525,785, Oct. 17.
Extracting and preserving the original flavors and food value of fruit juices. E. G. Huzenlaub. 2,517,569, Aug. 8.
Extracting aromatic hydrocarbons. A. P. Lien and B. L. Evering. 2,495,850, Jan. 31.
Extracting biochemically active substances from grain and the like, and product prepared thereby. A. R. Graff. 2,499,914, Mar. 7.
Extracting device with vibrating strainer, Juice. I. Jepson. 2,533,811, Dec. 12.
Extracting energy waves of certain length from a heated body. S. O. and L. G. Rygård. 2,510,421, June 6.
Extracting hydrocarbons. J. F. Black. 2,522,426, Sept. 12.
Extracting liquid hydrocarbons from solids and apparatus therefor. J. P. Labour. 2,515,126, July 11.
Extracting lithium values from spodumene ores. R. B. Ellstad and K. M. Leute. 2,516,109, July 25.
Extracting machine, Fruit juice. D. A. Wallace and R. E. Hewlett. 2,515,748–9, July 18.
Extracting machine having combined rotary cutter and discharge means, Juice. L. S. Ross. 2,510,420, June 6.
Extracting machine, Juice. M. J. Thomas. 2,513,974, July 4.
Extracting vitamin A from cow livers. W. Stevens. 2,503,853, Apr. 11.
Extracting wax from cachaza. O. J. Swenson. 2,508,002, May 16.
Extraction and recovery of rutin. J. Charney. 2,498,849, Feb. 28.
Extraction apparatus. E. G. Scheibel. 2,493,265, Jan. 3.
Extraction apparatus, Countercurrent. O. R. Sweeney and L. K. Arnold. 2,497,700, Feb. 14.
Extraction of alkaloids from fresh plants. N. Applezweig. 2,509,051, May 23.
Extraction of alumina from aluminous ores. W. H. Cundiff. 2,522,605, Sept. 19.
Extraction of aromatic and sulfur compounds. C. E. Johnson and A. A. Harban. 2,522,618, Sept. 19.
Extraction of digitalis glycosides. O. Gisvold. 2,500,173, Mar. 14.
Extraction of insulin. R. L. Grant. 2,529,152, Nov. 7.
Extraction of iron. P. B. Bryk and J. W. Ryselin. 2,523,092, Sept. 19.

Extraction of lactones. R. Kapp, F. D. Pickel and L. T. Rosenberg. 2,494,338, Jan. 10.
Extraction of oxygenated compounds. A. A. Harban and C. E. Johnson. 2,522,619, Sept. 19.
Extraction of penicillin. A. F. Wirtel and C. M. Blair, Jr. 2,505,374, Apr. 25.
Extraction of penicillin culture liquors, Solvent. G. W. McMillan. 2,509,010, May 23.
Extraction of plastics from linoleum cement. H. A. Reehling. 2,515,265, July 18.
Extraction of sulfuric acid sludge. D. W. Bransky and N. E. Lemmon. 2,530,757, Nov. 21.
Extraction of type A specific substance. H. O. Singher and C. R. Harmison. 2,533,294, Dec. 12.
Extraction of unsaponifiables from wool grease. A. B. Porter. 2,499,877, Mar. 7.
Extraction process and apparatus. B. B. Beeson. 2,512,710, June 27.
Extraction process for cerium. J. C. Warf. 2,523,892, Sept. 26.
Extractor: *See*—
- Bone meal extractor.
- Centrifugal extractor.
- Core extractor.
- Fishhook extractor.
- Fruit juice extractor.
- Gripper-type cork extractor.
- Juice extractor.
- Nail extractor.
- Ruptured cartridge extractor.
- Staple extractor.
- Valve extractor.
- Weed extractor.

Extractor. T. S. Watson. 2,501,460, Mar. 21.
Extractor. T. S. Watson. 2,524,614, Oct. 3.
Extractor and liquid container, Combination juice. F. Kereluck. 2,500,611, Mar. 14.
Extractor and loader, Automatic. W. Weber. 2,494,021, Jan. 10.
Extractor basket cover. P. A. Bayless. 2,519,814, Aug. 22.
Extractor basket drive. P. A. Bayless. 2,519,813, Aug. 22.
Extractor drive shaft lubricator. N. L. Pellerin. 2,516,252, July 25.
Extractor for Enfield rifle firing pin assemblies. C. C. Beery. 2,501,373, Mar. 21.
Extractor for squeezing the juice from lemons, oranges, and other fruits, Juice. S. I. Davitcho. 2,507,963, May 16.
Extractor mechanism, Hair. J. Fichter. 2,497,719, Feb. 14.
Extractor provided with means for unloading it. J. Stuart, II. 2,533,296, Dec. 12.
Extractor with a pivotally mounted rotatable reamer, Fruit juice. A. M. Stoner. 2,535,553, Dec. 26.
Extractor with a vibratory plunger, Juice. L. B. Green. 2,500,986, Mar. 21.
Extruder, Plastic. G. A. Lyon. 2,499,398, Mar. 7.
Extruder reactor. A. C. Skooglund. 2,494,588, Jan. 17.
Extruding apparatus. R. Jongedyk. 2,533,942, Dec. 12.
Extruding device for shaping plastic material. A. Nicoli. 2,522,632, Sept. 19.
Extruding machine. J. E. Roberts. 2,520,337, Aug. 29.
Extruding nonplastic materials. J. F. McWhorter and M. J. Rentschler. 2,517,799, Aug. 8.
Extruding plastics in tubular form and wrapping the tubing. M. A. Becht. 2,502,638, Apr. 4.
Extrusion apparatus. O. G. Nelson. 2,530,262, Nov. 14.
Extrusion apparatus. K. F. Thornton and L. W. Schumm. 2,530,669, Nov. 21.
Extrusion apparatus for coating insulation over wires and cables. J. Perzel. 2,524,829, Oct. 10.
Extrusion device. L. E. Gaenzle. 2,498,670, Feb. 28.
Extrusion machine, Adjustable. O. W. Carlson. 2,514,211, July 4.
Extrusion machine, Continuous. W. H. Bonham. 2,530,503, Nov. 21.
Extrusion press. J. A. Cademartori. 2,528,260, Oct. 31.
Extrusion press. G. A. Poncelet. 2,535,865, Dec. 26.
Eye-bathing device. C. A. Watrous. 2,524,720, Oct. 3.
Eyecup, Magnetic. R. G. Hamilton. 2,524,972, Oct. 10.
Eyeglass holder and tissue dispenser. F. F. Wadanoli. 2,522,909, Sept. 19.
Eyeglass temple, Adjustable. J. L. Kleinman. 2,503,275, Apr. 11.
Eyeglass temple cover. L. L. Lyons. 2,502,734, Apr. 4.
Eyeglasses, Adjustable. J. L. Rooney. 2,535,321, Dec. 26.
Eye molding apparatus for contact lenses. W. Policoff. 2,501,190, Mar. 21.
Eye moving mechanism for dolls. F. M. Stevens. 2,509,373, May 30.
Eyepiece for optical measuring instruments, Micrometer. J. W. French and C. Foster. 2,511,975, June 20.
Eye protector. M. Loos. 2,527,947, Oct. 31.
Eye-screw driving tool. R. L. Quirion. 2,512,967, June 27.
Eyeshade. G. Fulton. 2,517,864, Aug. 8.
Eyeshade and shield, Combination. R. J. Gomez. 2,506,956, May 9.
Eyeshield, Clip-on. T. R. Fisher. 2,519,959, Aug. 23.
Eyelet feeding mechanism. J. A. Akeroyd. 2,518,850, Aug. 15.
Eyelet for orthodontia, Tie. A. B. Brusse. 2,494,540, Jan. 17.
Eyeletting machine. S. L. Gookin. 2,530,575, Nov. 21.

Fabric: *See*—
- Axminster pile fabric.
- Balloon envelope fabric.
- Coated open-mesh vinylidene chloride fabric.
- Collarette fabric.
- Elastic fabric.
- Ethyl cellulose-coated textile fabric.
- Honeycomb elastic fabric.
- Knitted fabric.
- Knitted pile fabric.
- Loop pile carpet fabric.
- Pile fabric.
- Textile fabric.
- Tufted, hooked, and woven fabric.
- Woven fabric.

Fabric. R. H. Cutler. 2,501,213, Mar. 21.
Fabric. A. L. Helwith. 2,522,225, Sept. 12.
Fabric and making, Decorative rayon. A. W. Boese and E. F. Michl. 2,503,024, Apr. 4.
Fabric and making same. G. A. Morgan and A. B. Robertshaw, Jr. 2,502,101, Mar. 28.
Fabric and making same, Coated. D. J. Sullivan. 2,502,353, Mar. 28.
Fabric and making same, Woven. S. J. Gluck. 2,512,494, June 20.
Fabric and making the same, Knitted. F. Y. Nakayama. 2,519,493, Aug. 22.
Fabric articles, Making rubber coated. S. I. Strickhouser. 2,526,431, Oct. 17.
Fabric body and pad and method of weaving, Woven combined. H. P. Faris and B. R. Koenig. 2,511,500, June 13.
Fabric containing inlaid rubber and bare knitted rubber, Rib knitted. R. H. Lawson and S. F. Chiodine. 2,503,444, Apr. 11.
Fabric cylinders, Making. W. Bishop. 2,516,612, July 25.
Fabric diaphragm with stiffened portions, Woven. J. E. Keddie. 2,502,853, Apr. 4.
Fabric having selected horizontal strands electrically insulated, Wire fence. J. C. Koonz. 2,530,247, Nov. 14.
Fabric, hosiery, and production, Fashioned. S. C. Mack. 2,507,530–1, May 16.
Fabric-making material. M. Harris, L. E. Fourt, B. W. Bullock, and G. Bloch. 2,504,523, Apr. 18.
Fabric, Making porous. H. W. Beall. 2,513,838, July 4.
Fabric panel supporting means. W. R. Swanson. 2,526,912, Oct. 24.
Fabric, Producing axminster pile. H. A. Reinhardt and C. R. Johnson. 2,509,351, May 30.
Fabric securing means for upholstered seats. H. I. Doremus and S. B. Hurwich. 2,501,934, Mar. 28.
Fabric tubing, Helically-seamed labeled. C. V. Brady and A. F. Ottinger. 2,534,755, Dec. 19.
Fabric, Tufted dot. L. A. Stanley. 2,517,529, Aug. 1.
Fabricating a concentric seal assembly, Method of and apparatus for. P. Haas. 2,511,914, June 20.
Fabricating bellows. W. C. Hasselhorn. 2,534,124, Dec. 12.
Fabricating blower wheels. G. L. Schwarz. 2,496,179, Jan. 31.
Fabricating flexible panels. V. H. Woolums. 2,522,807, Sept. 19.
Fabricating glazing units. R. K. Day. 2,521,048, Sept. 5.
Fabricating heat exchangers. T. E. Burkhardt. 2,514,469, July 11.
Fabricating mechanism, Tabulating card. R. H. Holmwood and K. E. Anderson. 2,521,370, Sept. 5.
Fabricating nylon bushings. L. L. Stott. 2,518,504, Aug. 15.
Fabricating thermometers. E. C. Andrae. 2,535,477, Dec. 26.
Fabricating tubular fittings. G. T. Lyon. 2,528,280, Oct. 31.
Fabrication of articles from polyamides by hot working. L. L. Stott. 2,525,972, Oct. 17.
Fabrication of piezoelectric crystal units. A. W. Ziegler. 2,531,660, Nov. 28.
Fabrics and composition and process for making same, Water repellent. J. B. Rust and W. B. Canfield. 2,524,022, Sept. 26.
Fabrics and making same, Coated. A. S. Richardson, Jr. 2,519,068, Aug. 15.
Fabrics and producing same, Patterned. G. Heberlein. 2,531,814, Nov. 28.
Fabrics, Laminated cellulosic. R. H. Wiley. 2,526,787, Oct. 24.
Fabrics, Making pile. W. F. Fuhrhop and H. Van Issum. 2,516,559, July 25.
Fabrics, Producing knotted pile. W. T. Picking. 2,505,628, Apr. 25.
Fabrics, Rubber impregnated. W. L. J. de Nie and G. E. Rumscheidt. 2,511,498, June 13.
Faceplate for recessed vise-jaws. J. M. Roman. 2,520,435, Aug. 29.
Facing frame structures. A. Elmendorf. 2,498,403, Feb. 21.
Facing tool. F. G. and C. L. Livingston. 2,499,658, Mar. 7.
Facilitating the focusing of certain devices comprising a projection system, such as microphotometers. E. Vassy. 2,528,923, Nov. 7.
Facsimile device. V. J. Terry. 2,527,599, Oct. 31.
Facsimile receiving system. W. R. Koch. 2,505,361, Apr. 25.
Facsimile recorder printer bar. W. G. H. Finch and G. H. Hohmann. 2,515,864, July 18.
Facsimile system having rotating scanner moving longitudinally within stationary transparent drum. C. J. Young. 2,532,799, Dec. 5.

Facsimile system with regulated power supply. H. E. Haynes. 2,502,218, Mar. 28.
Facsimile system with selected area scanning. R. G. Thompson. 2,510,200, June 6.
Fairlead for semitrailer scrapers or wagons. G. W. Mork and G. Reuter. 2,497,900, Feb. 21.
Fall-board, Piano. E. L. Schroth. 2,493,168, Jan. 3.
Fan. E. E. Hans. 2,500,071, Mar. 7.
Fan accelerated radiator cabinet. O. W. Ott. 2,503,764, Apr. 11.
Fan and heater, Combined electric. J. M. Aufiero. 2,504,785, Apr. 18.
Fan control, Fluid pressure variable pitch. E. J. Sanders. 2,517,932, Aug. 8.
Fan control for combustion heaters, Thermostatic air circulation. W. D. Hall. 2,503,262, Apr. 11.
Fan control for the cooling systems of automotive engines. C. B. Spase. 2,506,520, May 2.
Fan drive. G. W. La Salle. 2,526,242, Oct. 17.
Fanfold pass case. D. J. Nash. 2,530,071, Nov. 14.
Fan for windows, Ventilating. H. Morrison. 2,529,040, Nov. 7.
Fan guard mounting. J. H. Viewegh. 2,498,968, Feb. 28.
Fan or centrifugal pump for two directions of rotation, Centrifugal. J. Overweg. 2,519,151, Aug. 15.
Fan, Oscillating. H. Morrison. 2,510,132, June 6.
Fan regulator. R. W. Beckett. 2,506,192, May 2.
Fan ring. N. B. LauBach and J. B. Baird. 2,524,390, Oct. 3
Farm gate. J. B. Clay. 2,517,086, Aug. 1.
Farm light. H. R. Gross. 2,508,063, May 16.
Fast acting stop signal. R. P. McNerney. 2,508,961, May 23.
Fastener: *See*—
Adjustable fastener.
Adjustable stud fastener.
Bolt type fastener.
Bracelet fastener.
Car door fastener.
Carpet fastener.
Combined hook and snap fastener.
Cowl fastener.
Cuff fastener.
Detachable flange fastener.
Door key fastener.
Double-acting slide fastener.
Double-ended resilient fastener.
Drawbar pin fastener.
Drive fastener.
Drive-spring fastener.
Drive stud fastener.
Garment fastener.
Hair fastener.
Hat fastener.
Hatch cover fastener.
Hook fastener.
Irrigation tube joint fastener.
Key fastener.
Lateral moving table leg fastener.
Lever operated rotary bar fastener.
Paper fastener.
Paper file fastener.
Parachute harness fastener.
Pin fastener.
Pronged snap fastener.
Pronged stud fastener.
Pull apart separable fastener.
Rail fastener.
Rotary bar door fastener.
Screen fastener.
Screw threaded fastener.
Self-clinching fastener.
Separable fastener.
Separable slide fastener.
Slide fastener.
Snap fastener.
Snap-in spring fastener.
Spring clip type snap fastener.
Tag fastener.
Testing slide fastener.
Three-side lock snap fastener.
Turnable T-member type folding fastener.
Window fastener.
Window sash fastener.
Fastener. L. E. Carson. 2,514,692, July 11.
Fastener. O. J. Huelster. 2,533,115, Dec. 5.
Fastener. F. A. Nodine. 2,494,669, Jan. 17.
Fastener. C. H. Shook. 2,527,459, Oct. 24.
Fastener. F. R. Swanson. 2,498,591, Feb. 21.
Fastener and tightener, Clothesline. J. P. Jones, Jr. 2,508,759, May 23.
Fastener applying device. L. J. Cote. 2,511,795, June 13.
Fastener attachment, Prong ring snap. O. J. Huelster. 2,509,434, May 30.
Fastener clip. W. A. Bedford, Jr. 2,523,185, Sept. 19.
Fastener clip. W. H. Churchill. 2,511,801, June 13.
Fastener device. F. R. Swanson. 2,504,358, Apr. 18.
Fastener device, Blind. J. F. Coyne. 2,516,554, July 25.
Fastener device, Buckle. W. A. Bedford, Jr. 2,506,332, May 2.
Fastener device, Snap. M. Isaac and R. M. Rauner. 2,497,305, Feb. 14.
Fastener driving machine. J. E. Merritt. 2,505,906, May 2.
Fastener for attaching chairs to floors, Releasable. L. S. Zakariasen. 2,525,008, Oct. 10.
Fastener for channeled members, Snap-in. H. L. Petri. 2,511,808, June 13.
Fastener for cinematographic films. F. J. Kronfield. 2,533,819, Dec. 12.
Fastener for closures. L. E. Willett and R. G. Baker. 2,507,391, May 9.
Fastener for detachable table legs. A. J. Schoenberg. 2,501,746, Mar. 28.
Fastener for dining tables, Dish. L. L. Nicholson. 2,517,018, Aug. 1.
Fastener for doors. C. Hinds. 2,505,400, Apr. 25.
Fastener for envelopes. C. B. Gallagher. 2,512,423, June 20.
Fastener for hinged doors. L. A. Marquardt. 2,507,795, May 16.
Fastener for identification tags. D. H. Robbins. 2,505,836, May 2.
Fastener for paper files. I. D. Siegfried. 2,526,975, Oct. 24.
Fastener for pressure cookers and the like, Safety bayonet. T. Dion. 2,513,458, July 4.
Fastener for receptacle closures. G. A. Robinson. 2,526,276, Oct. 17.
Fastener for refrigerant evaporator. C. F. Patterson. 2,517,411, Aug. 1.
Fastener for roofing and the like. L. K. Lockwood. 2,517,122, Aug. 1.
Fastener for stems or the like. H. W. Kost. 2,529,219, Nov. 7.
Fastener for stepping switches, Wiper cord. B. H. Shoopman. 2,529,426, Nov. 7.
Fastener for vanity cases and similar articles, Closure. F. Spitalny. 2,527,158, Oct. 24.
Fastener for wrist bands. C. A. Page. 2,522,396, Sept. 12.
Fastener for wristbands. A. Szeglin. 2,500,649, Mar. 14.
Fastener forming and inserting machine. J. G. Wright, C. D. Toney, C. A. Watkins, and E. Sudan. 2,520,521, Aug. 29.
Fastener handling device. C. J. Mellodge. 2,495,070, Jan. 17.
Fastener manufacture and mold therefor, Slide. R. Feitl. 2,523,463, Sept. 26.
Fastener member. W. A. Bedford, Jr. 2,526,531, Oct. 17.
Fastener setting machine with depressible work-supporting members. E. Diamond. 2,530,380, Nov. 21.
Fastener removal tool. P. C. Roventini. 2,495,775, Jan. 31.
Fastener strip for carpets, Marginal. J. C. Owens. 2,514,335, July 4.
Fastener structure. R. C. Legat. 2,496,946, Feb. 7.
Fastener unit. O. J. Poupitch. 2,498,221, Feb. 21.
Fastener with tensioning member, T-head molding. W. H. Churchill. 2,531,351, Nov. 21.
Fasteners, Double-acting sliding clasp. J. Bolten, Jr. 2,526,600, Oct. 17.
Fasteners, Making slide. H. J. Murphy. 2,504,079, Apr. 11.
Fasteners, Method and blank for making slide. A. E. Carlile. 2,508,782, May 23.
Fastening arrangement between two members designed to fit into one another. J. Vandier. 2,493,277, Jan. 3.
Fastening clip. V. Pereira and L. S. Burri. 2,510,250, June 6.
Fastening device. W. Dzus. 2,506,953, May 9.
Fastening device. W. Dzus. 2,511,051, June 13.
Fastening device. W. Dzus. 2,513,553, July 4.
Fastening device. W. Dzus. 2,527,408, Oct. 24.
Fastening device. L. H. Flora. 2,496,866, Feb. 7.
Fastening device. L. H. Flora. 2,527,124, Oct. 24.
Fastening device. L. H. Flora. 2,531,264, Nov. 21.
Fastening device. E. Gisondi. 2,534,663, Dec. 19.
Fastening device. R. L. Hallock. 2,498,627, Feb. 21.
Fastening device. R. A. Hartman. 2,533,797, Dec. 12.
Fastening device. L. C. Huck. 2,531,048–9, Nov. 21.
Fastening device. L. J. Jeffries. 2,497,550, Feb. 14.
Fastening device. C. W. Johnston. 2,525,803, Oct. 17.
Fastening device. W. R. MacCluney. 2,519,914, Aug. 22.
Fastening device. M. J. Marty, Sr., and M. J. Marty, Jr. 2,508,616, May 23.
Fastening device. C. E. Morley. 2,495,123, Jan. 17.
Fastening device. R. M. Storer. 2,503,305, Apr. 11.
Fastening device. G. A. Tinnerman. 2,495,037, Jan. 17.
Fastening device. G. A. Tinnerman. 2,502,539, Apr. 4.
Fastening device. G. A. Tinnerman. 2,516,274, July 25.
Fastening device. G. A. Tinnerman. 2,523,239, Sept. 19.
Fastening device. G. A. Tinnerman. 2,525,977, Oct. 17.
Fastening device. G. A. Tinnerman. 2,528,675, Nov. 7.
Fastening device. P. Wroblewski. 2,526,790–1, Oct. 24.
Fastening device. V. F. Zahodiakin. 2,514,113, July 4.
Fastening device. V. F. Zahodiakin. 2,514,922, July 11.
Fastening device. V. F. Zahodiakin. 2,527,783, Oct. 31.
Fastening device. V. F. Zahodiakin. 2,529,582, Nov. 14.
Fastening device. V. F. Zahodiakin. 2,533,414, Dec. 12.
Fastening device, Collar. C. C. Goetz. 2,500,985, Mar. 21.
Fastening device comprising hook-and-eye elements. W. A. Barnes. 2,534,396, Dec. 19.
Fastening device for condensers or the like. H. W. Kost. 2,494,881, Jan. 17.
Fastening device for electric wires. G. A. Tinnerman. 2,512,982, June 27.
Fastening device for windows and doors. L. J. Johnson. 2,527,736, Oct. 31.
Fastening device, Rail. O. Sann. 2,502,281, Mar. 28.
Fastening device, Rail. F. G. Wertz. 2,535,337, Dec. 26.
Fastening device, Rope. G. C. Maxwell and O. C. Buchholtz. 2,506,274, May 2.
Fastening device, Self-clinching. G. A. Tinnerman. 2,501,701, Mar. 28.
Fastening device, Shirt cuff. J. S. Kanarek. 2,535,139, Dec. 26.
Fastening element for wall and ceiling constructions. A. C. Olsen. 2,499,278, Feb. 28.
Fastening for bracelet-watch straps. E. Kehrer. 2,531,053, Nov. 21.

Fastening-inserting machine. P. E. Burby. 2,516,954, Aug. 1.
Fastening means. W. A. Williams. 2,503,860, Apr. 11.
Fastening means, Cover cap. H. H. Laucks. 2,501,526, Mar. 21.
Fastening means for spools, Yarn. R. M. Hood. 2,501,515, Mar. 21.
Fastening means for telescoping tubular members. C. J. Oliver and J. Kupski. 2,523,513, Sept. 26.
Fastening means for the stator plates of flywheel magnetos. G. F. McGrevy. 2,528,700, Nov. 7.
Fastening means, Pin. V. E. Budlong. 2,508,219, May 16.
Fastening means, Tail gate. L. D. James. 2,496,944, Feb. 7.
Fastening member. C. J. Dalley. 2,524,652, Oct. 3.
Fastening member. L. B. Green. 2,510,693, June 6.
Fastening member. T. B. Johnson. 2,515,773, July 18.
Fastening of attaché cases and the like, Key-locked. C. W. Cheney. 2,516,550, July 25.
Fastening, Pair button. J. Matsumoto. 2,500,694, Mar. 14.
Fastening strip. G. E. Gagnier. 2,533,786, Dec. 12.
Fastening upper holding binders to shoes. P. E. Burby. 2,520,996, Sept. 5.
Fat compositions, Stabilized. P. Gyorgy. 2,526,865, Oct. 24.
Fat liquoring and alum tanning. B. Schiller and R. M. Beach. 2,496,640–1, Feb. 7.
Fat rendering process. P. Halmbacher. 2,527,305, Oct. 24.
Fatigue testing apparatus. W. D. Macgeorge. 2,500,764, Mar. 14.
Fatty acid-aliphatic amine polyglycol combinations useful as textile assistants and producing the same. A. A. Cook and I. Wolf. 2,525,771, Oct. 17.
Fatty acid and rosin esters of resinous epoxides, Mixed. L. G. Montague. 2,500,765, Mar. 14.
Fatty acid production in hydrocarbon synthesis. C. H. Worsham and C. H. Holder. 2,521,436, Sept. 5.
Fatty acids, Preparation of higher. F. E. Frey. 2,525,889, Oct. 17.
Fatty esters, Production of. F. J. Sprules and D. Price. 2,494,366, Jan. 10.
Faucet. C. Saurer. 2,496,679, Feb. 7.
Faucet and valve therefor. J. C. Hughes. 2,493,248, Jan. 3.
Faucet for containers, Detachable dispensing. R. V. Klix. 2,502,858, Apr. 4.
Faucet manufacture and construction, Pressed metal. J. Stanitz. 2,510,429, June 6.
Faucet, Mixing. V. V. Elkins. 2,493,660, Jan. 3.
Faucet, Mixing. M. A. Gilman. 2,528,272, Oct. 31.
Faucet, Mixing and volume control. C. K. Brown, Jr. 2,534,658, Dec. 19.
Faucet reducer. O. W. Holden. 2,508,827, May 23.
Faucet, Swing spout. R. H. Wolf. 2,504,610, Apr. 18.
Faucet valve seat dressing tool. J. T. Fisher. 2,514,155, July 4.
Faucet with nonextruding seal. T. R. Smith. 2,530,090, Nov. 14.
Fault locating for radio relay systems. D. S. Bond, G. G. Gerlach, and L. E. Thompson. 2,514,367, July 11.
Feather plucking finger. K. Tomlinson. 2,524,942, Oct. 10.
Feature for swivel lipstick containers, Safety. D. A. Seaver. 2,529,266, Nov. 7.
Features for stuffed dolls and animals, Convertible. A. K. Dvorak. 2,496,152, Jan. 31.
Feed adjustment device. R. C. Palmer. 2,535,228, Dec. 26.
Feed and improving the same, Animal. P. A. Singer and H. J. Deobald. 2,504,159, Apr. 18.
Feed, Animal. M. J. E. Ernsting and W. T. Nauta. 2,504,401, Apr. 18.
Feed apparatus for tubes. F. V. Collins. 2,525,590, Oct. 10.
Feed auger for harvesting machines. N. R. Krause. 2,509,826, May 30.
Feedback coupling circuit. A. G. Kandoian. 2,523,307, Sept. 26.
Feedback for symmetric cathode followers, Balanced. J. Vackář. 2,523,240, Sept. 19.
Feedback system for cathode-ray tubes, Mask controlled. D. E. Sunstein. 2,528,020, Oct. 31.
Feed-back system for magnetic motors, Amplifier. E. G. Cook. 2,522,567, Sept. 19.
Feed, Base pin. W. Makenny. 2,502,227, Mar. 28.
Feed box for fiber scouring machines. E. H. Brooks, Sr. 2,533,218, Dec. 12.
Feed carriage control mechanism. T. H. Ljunggren and W. F. Moore. 2,496,400, Feb. 7.
Feed chuck. A. J. Daddona. 2,530,568, Nov. 21.
Feed control, Drum-type. J. Wegner. 2,499,804, Mar. 7.
Feed control mechanism, Tobacco. U. A. Whitaker. 2,519,089, Aug. 15.
Feed device for gas torches, Starting rod. E. J. Clinton, Jr., and J. J. Flynn. 2,533,353, Dec. 12.
Feed device for internal-combustion engines, Supplementary. D. E. Anderson. 2,513,773–4, July 4.
Feed device for printing business machines, Paper. C. W. Geisheck. 2,510,626, June 6.
Feed device for rotary beater mills with means for preventing blow-back of material. C. D. Parten. 2,530,313, Nov. 14.
Feed for castellating machines, Nut. C. E. and C. S. Pellow. 2,500,376, Mar. 14.
Feed for fastener applying machines, Staple. C. B. Goodstein. 2,501,564, Mar. 21.
Feed for lathes and the like, Bar. A. A. Ericson. 2,505,612, Apr. 25.
Feed for livestock. W. P. Elmslie. 2,508,599, May 23.
Feed formula. W. Baker. 2,504,788, Apr. 18.
Feed head, Automatic. G. Treglown and C. E. Broders. 2,532,207, Nov. 28.
Feed heater. P. P. Vergottis. 2,499,041, Feb. 28.
Feed means for the reboiler of a fractionating column. W. W. Kraft. 2,534,173, Dec. 12.
Feed mechanism. R. E. Price. 2,535,550, Dec. 26.
Feed mechanism, Automatic. J. P. Mills. 2,535,648, Dec. 26.
Feed mechanism for fruit orienting and pitting machines. E. W. Carroll. 2,499,266, Feb. 28.
Feed mechanism for machine guns. A. K. Watt. 2,519,947, Aug. 22.
Feed mechanism for machine guns, Reversible. J. L. Lochhead. 2,504,994, Apr. 25.
Feed mechanism for projectile assembly machines. E. G. Carl, Jr. 2,523,278, Sept. 26.
Feed mechanism for recording devices. G. Gorham. 2,524,564, Oct. 3.
Feed mechanism for rotatable drum agitating apparatus. L. G. Hilkemeier. 2,511,262, June 13.
Feed mechanism for sewing machines, Reversible. J. Heggie. 2,515,513, July 18.
Feed mechanism for typewriters or the like, Variable. C. Chisholm. 2,506,702, May 9.
Feed mechanism, Reciprocating. E. W. Medbery 2,523,224, Sept. 19.
Feed mechanism, Rotary intermittent. G. B. Scheffey. 2,514,261, July 4.
Feed mechanism, Sewing machine. H. Gerstein. 2,520,002, Aug. 22.
Feed mechanism, Weft wire. N. S. Harter. 2,528,881, Nov. 7.
Feed mixer. A. E. Anderson. 2,504.486, Apr. 18.
Feed mixer. D. E. Painting and F. A. Farnbach. 2,502,170, Mar. 28.
Feed nut operating mechanism for power drills. J. S. Beltz. 2,506,988, May 9.
Feed plate for combines. N. R. Krause. 2,528,232, Oct. 31.
Feed saver. M. J. De Ville. 2,525,654, Oct. 10.
Feed, Semiautomatic oval cigarette. C. Arelt. 2,508,210, May 16.
Feed stock for a furnace black process, Making. L. G. Molique. 2,516,134, July 25.
Feed-through switch. E. H. Lockwood. 2,529,845, Nov. 14.
Feed unit for electrical wiring systems. J. F. O'Brien and E. S. Boynton. 2,524,071, Oct. 3.
Feeder: *See*—

Ammunition feeder.
Automatic feeder.
Automatic pet feeder.
Ball feeder.
Bird feeder.
Calf feeder.
Carton blank feeder.
Catalyst feeder.
Chicken feeder.
Gravity feed animal feeder.
Hog feeder.
Lubricant feeder.
Pet feeder.
Portable livestock feeder.
Poultry feeder.
Rabbit feeder.
Seed feeder.
Single whole fruit feeder.

Feeder and deliverer for hay manglers. R. Owens. 2,501,911, Mar. 28.
Feeder and method, Nasal oxygen. A. L. Kaslow. 2,499,650, Mar. 7.
Feeder for collapsed can bodies. W. Furminger. 2,535,848, Dec. 26.
Feeder for honeybees. W. O. Goebel. 2,496,285, Feb. 7.
Feeder for molten thermoplastic materials. C. H. Billman. 2,535,888, Dec. 26.
Feeder for packaging machines, Tape. J. D. and E. E. Merrifield. 2,510,187, June 6.
Feeder for poultry, Grain. H. A. Harvey. 2,534,442, Dec. 19.
Feeder for poultry, Growing. W. W. Faris. 2,534,114, Dec. 12.
Feeder for powder compressing machines, Sifting. L. H. Bailey. 2,531,245, Nov. 21.
Feeder for soldering irons, Hand. V. M. Posada. 2,510,518, June 6.
Feeder for stacks of nested containers. W. A. Ferber. 2,526,014, Oct. 17.
Feeder gauging means for fish dressing machines. A. L. Erickson. 2,529,800, Nov. 14.
Feeder head for balers, Collapsible. L. R. Tallman. 2,509,996, May 30.
Feeder means for conveyers. S. Marvin and W. H. Orth. 2,535,804, Dec. 26.
Feeder to conveyer, Automatic bag. G. H. Keller. 2,511,714, June 13.
Feeder with rockable oscillatable discharge element and oscillatable hopper agitating plates. W. J. Hughes. 2,520,545, Aug. 29.

Feeding and cutting means for citrus fruit juice extractors. H. L. Wurgaft. 2,525,990, Oct. 17.
Feeding and forming machine. H. Blanchette. 2,516,543, July 25.
Feeding and reversing mechanism for typewriting machines, Ribbon. C. W. Crumrine. 2,531,872, Nov. 28.
Feeding and stacking machine. L. L. Matthews. 2,521,075, Sept. 5.
Feeding and superimposing two films. J. W. Kaylor, A. F. Phelps, L. G. Jones, and W. R. Holm. 2,511,344, June 13.
Feeding and tensioning means for continuous film. J. H. and D. F. Smith. 2,499,119, Feb. 28.
Feeding and treating system, Proportionate. L. D. Jones. 2,499,388, Mar. 7.
Feeding and treating system, Proportionate. L. D. Jones and L. Sender. 2,499,389, Mar. 7.
Feeding apparatus. F. S. Lampard. 2,519,837, Aug. 22.
Feeding apparatus for glass-forming machines. H. J. Blackhurst. 2,507,753, May 16.
Feeding apparatus for strip material, Automatic. E. M. Eriksen. 2,503,035, Apr. 4.
Feeding apparatus, Poultry. C. H. Inman. 2,522,449, Sept. 12.
Feeding apparatus, Volumetric gas. E. E. Harper. 2,529,251, Nov. 7.
Feeding arm for hay balers. F. Dunaway. 2,496,524, Feb. 7.
Feeding concentric liquid sprays to a rotating combustion chamber. R. H. Goddard. 2,518,002, Aug. 8.
Feeding control means for harvesters. J. R. West. 2,524,151, Oct. 3.
Feeding device. C. T. Blume. 2,495,885, Jan. 31.
Feeding device. H. Gerstein. 2,521,360, Sept. 5.
Feeding device. H. A. Otto. 2,521,802, Sept. 12.
Feeding device. R. D. Trelease and C. H. Koonz. 2,494,147, Jan. 10.
Feeding device and control means therefor, Automatic. C. J. Murray and W. K. Lowe. 2,503,761, Apr. 11.
Feeding device, Automatic. C. J. Murray and W. K. Lowe. 2,503,760, Apr. 11.
Feeding device, Cigarette. P. A. Goldsworthy. 2,510,630, June 6.
Feeding device, Dog. E. B. Dixon. 2,500,243, Mar. 14.
Feeding device for automatic machines, Component. N. H. Betge. 2,525,765, Oct. 17.
Feeding device for gyratory crushers. O. C. Gruender. 2,509,920, May 30.
Feeding device for nonfree-flowing materials in bulk with adjustable flow control plate and elongated handle therefor. E. J. Vagim. 2,532,584, Dec. 5.
Feeding device, Material. P. L. Betz. 2,529,445, Nov. 7.
Feeding device, Nail. G. C. Paxton. 2,504,577, Apr. 18.
Feeding device, Paper. A. W. Mills, F. J. Furman, and E. J. Rabenda. 2,531,885, Nov. 28.
Feeding device, Pin type. A. W. Metzner. 2,500,196, Mar. 14.
Feeding device, Rivet. T. R. Knowles. 2,529,165, Nov. 7.
Feeding device, Strip stock. J. Humm, Jr. 2,523,571, Sept. 26.
Feeding fixture, Round nut. I. H. Carlson. 2,531,395, Nov. 28.
Feeding granular material to a mill and the like. E. A. Wagner. 2,498,515, Feb. 21.
Feeding machine, Can. J. M. Hemovich. 2,528,884, Nov. 7.
Feeding means for rotating combustion chambers. R. H. Goddard. 2,515,645, July 18.
Feeding mechanism. C. A. Burkholder. 2,501,933, Mar. 28.
Feeding mechanism. C. F. M. Hayes. 2,495,522, Jan. 24.
Feeding mechanism. W. R. Spiller and E. W. Bradmiller. 2,535,240, Dec. 26.
Feeding mechanism, Can cover. F. Huntar. 2,502,459, Apr. 4.
Feeding mechanism, Carton. H. F. Conser. 2,500,804, Mar. 14.
Feeding mechanism for automatic cannon, Cartridge. J. Martin. 2,522,457, Sept. 12.
Feeding mechanism for automatic guns. R. S. Sanford. 2,502,891, Apr. 4.
Feeding mechanism for fountain pens. M. H. Storch. 2,495,080, Jan. 17.
Feeding mechanism for pencils, lighters, etc. J. T. Brubaker. 2,511,243, June 13.
Feeding mechanism for sewing machines. R. Schulthess. 2,496,817, Feb. 7.
Feeding mechanism for sole rounding machines. C. W. Baker. 2,508,361, May 23.
Feeding mechanism for tools. P. S. Claus and E. J. Readman. 2,510,330, June 6.
Feeding mechanism for typewriting machines, Tape. R. D. Dodge and J. L. Petz. 2,531,875, Nov. 28.
Feeding of cherries having stems attached. G. W. Ashlock, Jr. 2,528,293, Oct. 31.
Feeding raw materials to smelting furnaces. R. Tanberg. 2,508,629, May 23.
Feeding system for engines, Fuel. F. C. Mock. 2,531,780, Nov. 28.
Feeler device for knitting machines. H. A. Tanguay. 2,493,557, Jan. 3.
Feeler for elastic waves. M. Meunier. 2,532,507, Dec. 5.
Feeler gauge. R. W. Michler. 2,498,171, Feb. 21.
Felt, Cotton, and making the same. H. A. Secrist. 2,528,793, Nov. 7.
Felt hardening machine. A. J. Evers. 2,495,923, Jan. 31.
Felt, Roofing. R. G. Quinn. 2,503,454, Apr. 11.
Felted material, Manufacture of. C. P. D. Porritt. 2,508,968, May 23.
Felting and shrinking process. M. T. Hoffman. 2,496,873, Feb. 7.
Fence. C. D. Harris. 2,520,313–14, Aug. 29.
Fence, Electric. W. F. Fagen. 2,500,311, Mar. 14.
Fence, Electric. W. T. Perkins. 2,502,882, Apr. 4.
Fence, Electrical. O. W. Roberts. 2,513,206, June 27.
Fence, Portable sectional. D. L. Cooper. 2,517,386, Aug. 1.
Fence section, Picket. B. M. Randall. 2,534,681, Dec. 19.
Fencing construction. H. F. Schulte. 2,516,807, July 25.
Fender and fender shield assembly and attaching means therefor. G. W. Schatzman. 2,520,965, Sept. 5.
Fender attachment for automobiles. L. Eisenman. 2,522,105, Sept. 12.
Fender construction, Motorcycle. W. J. Harley. 2,510,222, June 6.
Fender flag holder. D. W. Chandler. 2,527,351, Oct. 24.
Fender mounted directional signal box. C. G. Odum. 2,518,054, Aug. 8.
Fender, Tractor. J. M. Bowman and P. D. Bradfield. 2,528,683, Nov. 7.
Fermenting and ripening of beer. F. Muller. 2,521,397, Sept. 5.
Ferromagnetic powder, Preparing. R. J. Kerr. 2,501,128, Mar. 21.
Ferrous chloride in dry flake form, Preparing a hydrated. A. S. Henderson and E. A. Beidler. 2,493,629, Jan. 3.
Ferrous composition and article therefor, Production of a. N. F. Tisdale and E. A. Lucas. 2,509,281, May 30.
Ferrous metal for heat-treatment, Preparing. H. G. Webster and J. H. Shoemaker. 2,515,148, July 11.
Ferrule for holding erasers to the butt ends of pencils. A. P. Gagnon. 2,493,665. Jan. 3.
Ferrule for welding. C. S. Evans. 2,493,283, Jan. 3.
Fertility and sterility indicator. A. R. Boutwell. 2,512,915, June 27.
Fertilizer block for fertilizing plant life in fishing waters. A. H. Martin. 2,531,360, Nov. 21.
Fertilizer concentrate, Preparing. K. G. Bierlich and E. O. Whiteley. 2,498,480, Feb. 21.
Fertilizer, Granulated. C. E. Waring and C. C. Legal, Jr. 2,504,545, Apr. 18.
Fertilizer, Manufacture of superphosphate. A. C. Mohr. 2,515,163, July 11.
Fertilizers and their production. L. V. Rohner and A. P. Wood. 2,502,996, Apr. 4.
Fertilizers, Process of and apparatus for the manufacture of. A. Constant. 2,518,286, Aug. 8.
Festooning machine. R. N. Moore. 2,494,667, Jan. 17.
Fiber articles, Producing molded. M. P. Chaplin. 2,515,113, July 11.
Fiberboard, Making laminated. H. J. Perry. 2,503,407, Apr. 11.
Fiber preparation, Synthetic. G. E. Ham. 2,498,605, Feb. 21.
Fiber-reenforced bowling pin. M. P. Montero. 2,494,351, Jan. 10.
Fiber spinning apparatus and method. F. A. Bluhm, D. W. Hayes, and Albert H. Zeigler. 2,529,674, Nov. 14.
Fiber treatment. W. R. Adams. 2,493,740, Jan. 10.
Fiber treatment, Cotton. J. Compton. 2,522,095, Sept. 12.
Fibers and preparing same, Mineral wool. D. D. Crandell and D. W. Burnett. 2,501,316, Mar. 21.
Fibers from carboxymethyl-cellulose, Preparation of. J. D. Reid and G. C. Daul. 2,495,767, Jan. 31.
Fibers from zein. C. D. Evans, C. W. Ofelt, and A. K. Smith. 2,521,704, Sept. 12.
Fibers, in particular glass fibers, Method and apparatus for the production of. I. Peyches. 2,497,369, Feb. 14.
Fibers, Producing staple. C. R. Stevens. 2,511,381, June 13.
Fiberizing molten material, Method and apparatus for. E. R. Powell. 2,520,168–9, Aug. 29.
Fibrin clots and preparing the same. J. D. Ferry and P. R. Morrison. 2,533,004, Dec. 5.
Fibrous dielectric compositions. H. F. Miller and R. G. Flowers. 2,535,690, Dec. 26.
Fibrous material product, Folded. N. F. Wilson. 2,526,185, Oct. 17.
Fibrous materials, Making. A. H. Zeigler. 2,502,361, Mar. 28.
Fibrous products and making them. C. S. Francis, Jr. 2,500,282, Mar. 14.
Fibrous products, Method and apparatus for manufacturing. G. Slayter and E. Fletcher. 2,526,775, Oct. 24.
Fibrous sheet covered plywood, Manufacturing a. R. J. Auchter. 2,497,712, Feb. 14.
Fibrous structures and obtaining same, Water-repellent. K. L. Berry. 2,532,691, Dec. 5.
Fibrous unit. P. H. Lang. 2,521,984, Sept. 12.
Field marker. O. Watmough. 2,511,521, June 13.
Field structure for rotating electrical equipment. A. R. Wylie. 2,513,226–7, June 27.
Fifth wheel. R. A. Braunberger. 2,531,871, Nov. 28.
Fifth wheel coupling. S. E. Wood. 2,499,013, Feb. 28.

Fifth wheel structure. T. Weber. 2,503,530, Apr. 11.
Figure, Mechanical cardboard and like. A. E. Kennedy. 2,522,875, Sept. 19.
Figurine, Plastic. D. L. Alger. 2,506,328, May 2.
Filament forming method. S. F. Varian. 2,516,930, Aug. 1.
Filament mount for high-power tubes. J. W. Clark. 2,510,171, June 6.
Filament structure. H. D. Doolittle. 2,527,799, Oct. 31.
Filament structure. A. K. Wing, Jr. 2,522,419, Sept. 12.
Filament support structure. F. D. Goodchild. 2,521,714, Sept. 12.
Filament tensioning method and electrical device having improved filament tensioner. H. K. Ishler. 2,506,874, May 9.
Filament tester. J. B. Steiding. 2,533,332, Dec. 12.
Filamentary materials, Production of high tenacity. C. Dreyfus. 2,506,710, May 9.
Filamentary product and its production. H. E. Holcomb. 2,505,045, Apr. 25.
Filamentary products by the wet spinning of protein solutions, Production of insolubilized. W. A. Caldwell and J. Jack. 2,495,566, Jan. 24.
Filamentous structures, Production of. J. B. Miles. 2,509,741, May 30.
Filaments, fibers, and the like, Production of. E. G. Edwards and R. J. W. Reynolds. 2,503,251, Apr. 11.
Filaments, Manufacturing. H. A. Kuljian. 2,504,703, Apr. 18.
Filaments, Method and apparatus for making fine. G. A. Spencer and G. P. Bosomworth. 2,514,189, July 4.
File and blade holder, Ampoule. J. E. Thompson. 2,514,812, July 11.
File and braking means therefor, Rotary. R. P. Scholfield. 2,500,709, Mar. 14.
File and cabinet, Phonograph record. J. Hammond. 2,516,116, July 25.
File cabinet. J. A. Winskowicz. 2,494,528, Jan. 10.
File, Collapsible card. J. G. Eddy. 2,524,965, Oct. 10.
File, Comparative data. J. M. Jones. 2,502,961, Apr. 4.
File, Fingernail. L. Oldaker. 2,506,100, May 2.
File for nails, Electrical manicure. A. Biasi. 2,504,795, Apr. 18.
File or folder clip. L. G. Mayer and F. J. Neel. 2,535,502, Dec. 26.
File, Phonograph record. J. W. Mossett. 2,532,673, Dec. 5.
File, Portable power-driven. F. A. Cole. 2,493,226, Jan. 3.
Filing and display device, Combined. M. Green. 2,520,461, Aug. 29.
Filing and indexing system for phonograph records. A. C. Lowther. 2,535,688, Dec. 26.
Filing and signaling construction, Record. W. D. Wassell. 2,527,901, Oct. 31.
Filing apparatus. R. P. Scholfield. 2,493,167, Jan. 3.
Filing attachment for lathes. A. L. Carey and J. V. Anslinger. 2,504,495, Apr. 18.
Filing cabinet. J. F. Reimer. 2,532,942, Dec. 5.
Filing cabinet. F. E. Zebrowski. 2,508,984, May 23.
Filing clip. V. C. Helberg. 2,500,032, Mar. 7.
Filing container. A. D. Bryan and E. F. Gebelein. 2,516,045, July 18.
Filing device. J. Chenouard. 2,528,485, Nov. 7.
Filing device. F. H. Clark, B. M. Hager, and O. J. Larson. 2,530,566, Nov. 21.
Filing device. M. O. Goldsmith. 2,528,135, Oct. 31.
Filing device. L. Rostoker and A. R. Finn. 2,519,932, Aug. 22.
Filing device. H. Weston. 2,523,347, Sept. 26.
Filing device, Rotary card. E. E. Knittel. 2,517,678, Aug. 8.
Filing device, Saw. C. Perry. 2,513,671, July 4.
Filing drawer, Paper sheet. E. A. Planas. 2,526,407, Oct. 17.
Filing equipment. H. C. Fosberg. 2,510,807, June 6.
Filing equipment, Card. G. C. Bruen. 2,503,611, Apr. 11.
Filing equipment, Card. G. C. Bruen. 2,504,799, Apr. 18.
Filing machine. G. Kořínek. 2,505,675, Apr. 25.
Filing means, Record. H. V. Emblen and M. D. Baker. 2,530,604, Nov. 21.
Filing system, Card. S. S. Karns. 2,493,538, Jan. 3.
Filing wheel. J. J. Phillips. 2,496,491, Feb. 7.
Filler and deflator device. F. C. Byram. 2,525,256, Oct. 10.
Fillercap and adapter for liquid containers. H. Noyes. 2,524,823, Oct. 10.
Fillercap mechanism. M. M. Culver and L. L. Duncan. 2,534,003, Dec. 12.
Filler, Ditch. A. L. Meyer. 2,529,039, Nov. 7.
Filler feeding mechanism for sewing machines. V. J. Sigoda. 2,533,293, Dec. 12.
Filler head with fluid pressure operated valve and discharge orifice clear out means combined with fluid metering means. R. S. Smith. 2,505,799, May 2.
Filler, Sausage end. J. B. Klaus. 2,523,436, Sept. 26.
Filling a container by vacuum and then placing the container under pressure. A. J. Ritchie. 2,494,454, Jan. 10.
Filling and closing packets, Method and device for. R. W. Hoag. 2,523,431, Sept. 26.
Filling and sealing a container punctured at two spaced points for introduction of inert gas and discharge of internal air. S. Bergstein. 2,506,769, May 9.
Filling and sealing device, Multiple. F. Brodsky. 2,511,324, June 13.
Filling and sealing machine, Combined. F. J. Cozzoli. 2,530,230, Nov. 14.
Filling and vibrating device having an elongated vibratory bag member, Combined. R. E. Williams. 2,533,157, Dec. 5.
Filling annealing pots. E. Bührer. 2,515,693, July 18.
Filling apparatus for tractor fuel tanks. F. T. Ranney. 2,527,849, Oct. 31.
Filling containers. C. A. Southwick, Jr. 2,522,200, Sept. 12.
Filling containers, Method of and apparatus for. R. W. Vergobbi. 2,533,641, Dec. 12.
Filling containers with a predetermined amount of dielectric material, Method and apparatus for. J. B. Gehman. 2,523,363, Sept. 26.
Filling containers with powdered material and for removing dust and airborne particles at region ambient the containers, Method and machine for. O. E. Cote. 2,524,560, Oct. 3.
Filling device for fuel tanks. W. L. Bald. 2,522,207, Sept. 12.
Filling device for liquid fuel containers, Self-closing. F. N. Glover. 2,527,005, Oct. 24.
Filling device, Fountain pen. G. W. Oakes. 2,494,518, Jan. 10.
Filling device, Fountain pen. G. W. Oakes. 2,531,525, Nov. 28.
Filling device, Package. J. Wicklund. 2,524,243, Oct. 3.
Filling device, Receptacle. G. W. Smith. 2,534,997, Dec. 19.
Filling flexible containers with finely divided materials and machine therefor. D. Ray. 2,531,743, Nov. 28.
Filling head for bottle filling machine having valve for controlling air displacement. L. Grosbois. 2,501,511, Mar. 21.
Filling lighting tubes with rare gas. P. G. T. Geyer. 2,527,185, Oct. 24.
Filling machine. F. J. Cozzoli. 2,523,560, Sept. 26.
Filling machine. R. S. Smith. 2,505,800, May 2.
Filling machine, Bottle. J. E. Dunn. 2,528,644, Nov. 7.
Filling machine group with electrical control system. B. S. Harrington. 2,525,295, Oct. 10.
Filling machine, Liquid. R. E. J. Nordquist. 2,517,592, Aug. 8.
Filling machine, Package. W. E. Higginbottom. 2,532,913, Dec. 5.
Filling machine, Shoe bottom. E. M. Thompson and E. M. Thompson, Jr. 2,523,886, Sept. 26.
Filling machine, Variable displacement. F. J. Cozzoli. 2,518,870, Aug. 15.
Filling material for secondary dry-accumulator batteries. J. A. Szper. 2,526,591, Oct. 17.
Filling mechanism, Weight controlled volumetric. C. E. Palmer. 2,503,295, Apr. 11.
Filling motion. J. Rinne and R. G. Mallard. 2,522,840, Sept. 19.
Filling replenishing mechanism. J. Rinne, E. H. Ashton, R. G. Mallard, and E. L. Kielczewski. 2,525,148, Oct. 10.
Filling thread cutter operating mechanism. B. W. Brouwer. 2,507,955, May 16.
Filling valve. E. R. Gaerttner and M. L. Yeater. 2,534,965, Dec. 19.
Filleting machine, Fish. J. Grausgruber. 2,518,772, Aug. 15.
Filleting machine, Fish. C. M. Savrda. 2,502,176, Mar. 28.
Filleting machine, Fish. C. M. Savrda. 2,532,198, Nov. 28.
Filleting machine, Flatfish. C. Meissner. 2,497,554, Feb. 14.
Film advance and shutter reset. G. N. Smith. 2,515,272, July 18.
Film advancer for still projectors. J. Guercio. 2,497,765, Feb. 14.
Film and composition therefor. E. D. Fuller. 2,499,486, Mar. 7.
Film, Antistatic photographic. G. F. Nadeau and W. R. White. 2,494,054, Jan. 10.
Film applicator. W. H. Biddle. 2,526,991, Oct. 24.
Film cassette for cameras. W. E. Tait and A. W. Stellpflug. 2,531,651, Nov. 28.
Film cassette for cameras. W. E. Tait and A. W. Stellpflug. 2,531,653, Nov. 28.
Film clip. H. F. Ruschmann. 2,502,890, Apr. 4.
Film clip. E. E. Schenkel. 2,528,668, Nov. 7.
Film core retaining and driving device. C. H. Jacobson. 2,505,329, Apr. 25.
Film counter for cameras. J. Mihalyi. 2,521,933, Sept. 12.
Film cradle for roll film cameras. R. W. Wallace and P. J. Ernisse. 2,521,956, Sept. 12.
Film developing reel. E. L. Tornquist. 2,509,708, May 30.
Film development reel. A. S. and S. S. Alberts. 2,499,348, Mar. 7.
Film, Diazotype dry strip. S. C. Slifkin. 2,528,395, Oct 31.
Film drier. J. T. Trimble. 2,495,612, Jan. 24.
Film drive. R. Schwayder. 2,528,184, Oct. 31.
Film drive filter. S. E. Bartelson. 2,499,210, Feb. 28.

Film exchanger, Tubular falling. N. A. Copeland. 2,498,752, Feb. 28.
Film facsimile scanning. M. D. McFarlane. 2,517,797, Aug. 8.
Film feed mechanism. A. E. Reeves. 2,506,649, May 9.
Film feed, Motion-picture projector. R. J. Miller 2,511,732, June 13.
Film feed, Reversible slide. J. A. Van den Broek. 2,505,016, Apr. 25.
Film feeding and shutter setting mechanism for photographic roll film cameras. P. F. Rossmann. 2,518,723, Aug. 15.
Film feeding and winding apparatus. I. W. Doyle and R. A. White. 2,495,161, Jan. 17.
Film-feeding mechanism. O. Wittell and V. H. Jungjohann. 2,521,957, Sept. 12.
Film for four-color photography, Light-sensitive bipack. J. A. Ball, A. B. Jennings, and O. W. Murray. 2,492,953, Jan. 3.
Film gate having projecting pressure receiving elements. W. H. Bach. 2,506,765, May 9.
Film gate operating mechanism. C. J. Hughey. 2,507,161, May 9.
Film guide for stripfilm projectors. F. J. Perillo. 2,534,732, Dec. 19.
Film guiding means for viewing and projection devices, Fixed plane. J. C. Haelen. 2,518,682, Aug. 15.
Film guiding means, Lateral. Z. Takats. 2,508,733, May 23.
Film handling device. L. B. Haughwout. 2,525,746, Oct. 10.
Film holder. E. J. Bastin, Jr., and R. J. Stava. 2,513,989, July 4.
Film holder. C. E. Boucher. 2,494,740, Jan. 17.
Film holder. E. G. Forssell. 2,527,626, Oct. 31.
Film holder. W. B. Johnsen. 2,523,908, Sept. 26.
Film holder in apertured casing and locking means therefor, Movable. G. Fassin. 2,503,661, Apr. 11.
Film holder lightseal, Photographic. J. S. Panosian. 2,497,270, Feb. 14.
Film holding device. H. W. Houston. 2,528,366, Oct. 31.
Film loop former. O. Wittel. 2,511,232, June 13.
Film magazine. L. R. De Witt. 2,497,157, Feb. 14.
Film magazine, Cut. C. P. Hood. 2,500,251, Mar. 14.
Film marker. I. I. Merkur. 2,522,187, Sept. 12.
Film marking apparatus, Stereoscopic motion-picture. R. Oriol. 2,516,718, July 25.
Film mechanism, Continuous motion. W. H. Harrison. 2,508,789, May 23.
Film presser having a central projecting plane portion for moving picture cameras. A. C. Coutant and J. Mathot. 2,497,847, Feb. 21.
Film printing device. A. E. Reeves. 2,518,571, Aug. 15.
Film processing equipment. A. N. Todoroff. 2,524,686, Oct. 3.
Film processing machine with film operated control means for a fluid applicator. B. E. Luboshez. 2,496,947, Feb. 7.
Film processing rack. F. Winans. 2,506,401, May 2.
Film processor. V. E. Pratt and G. F. Gray. 2,511,941, June 20.
Film projecting apparatus. W. F. Bohl, Jr. 2,530,936, Nov. 21.
Film projection apparatus with pivotally controlled claw feed. H. J. Koeber, Jr. 2,520,843, Aug. 29.
Film projection with continuously moving film. G. Wikenhauser. 2,493,793, Jan. 10.
Film projection with continuously moving film. G. Wikenhauser and A. E. Adams. 2,493,794, Jan. 10.
Film projection with continuously moving film. G. Wikenhauser, A. E. Adams, G. H. Cook, and R. E. Duggan. 2,493,795, Jan. 10.
Film sound record editing and inspection system. T. C. Sharp. 2,510,607, June 6.
Film splicer. I. I. Merker. 2,527,952, Oct. 31.
Film splicer. T. and H. F. W. Ordman. 2,518,927, Aug. 15.
Film spool with signal for cameras. J. Mihalyi. 2,503,756, Apr. 11.
Film spreader. J. J. Bradley, Jr. 2,497,578, Feb. 14.
Film sprocket clamp. H. N. Fairbanks. 2,513,084, June 27.
Film tank agitator. W. H. Carr, Jr. 2,493,441, Jan. 3.
Film tensioning device. K. W. Thomson. 2,514,683, July 11.
Film transmission mechanism. D. Canady. 2,495,442, Jan. 24.
Film viewer and reproducing system, Projection. W. A. Mueller and J. T. Wissmann. 2,498,895, Feb. 28.
Film viewing device. H. Blum. 2,515,921, July 18.
Film viewing device. B. B. Isenhour. 2,521,725, Sept. 12.
Film viewing device. R. Jelinek. 2,520,410, Aug. 29.
Film viewing frame. G. B. Myers. 2,518,563, Aug. 15.
Films and making and using the same, Flexible noncrystalline self-contained polarizing. J. F. Dreyer. 2,524,286, Oct. 3.
Films of tetrafluoroethylene polymers, Preparing unsupported. P. F. Sanders. 2,520,173, Aug. 29.
Films of 2,3-dichlorobutadiene copolymers, Transparent wrapping. A. L. Barney. 2,496,976, Feb. 7.
Films, Producing. J. C. Swallow, D. K. Baird, and B. P. Ridge. 2,497,376, Feb. 14.
Films, Producing ornamental wrinkle. H. A. Toulmin. 2,511,024, June 13.
Filter: *See*—
Air filter.
Band-pass filter.
Beverage making filter.
Coaxial-type filter.
Coffee filter.
Color filter.
Combination full flow and by-pass filter.
Compound filter.
Crankcase air filter.
Drainpipe filter.
Dust filter.
Electric band-pass filter.
Electron beam tube filter.
Film drive filter.
Fluid filter.
Gas filter.
High-frequency filter.
Hybrid channel-branching microwave filter.
Leakproof oil filter.
Light filter.
Magnetostrictively driven mechanical wave filter.
Microwave band reflection filter.
Moist air filter.
Multiple filter.
Nasal air filter.
Nasal filter.
Noise filter.
Oil filter.
Oil well filter.
Placenta filter.
Plural tube filter.
Pressure line filter.
Radio-frequency filter.
Stacked disk filter.
Suction filter.
Synchronous filter.
Torsional high-pass mechanical filter.
Ultra violet absorbing filter.
Variable polarizing color filter.
Variable rejection filter.
Wave filter.
Well pipe filter.
Filter. R. W. Beyland. 2,514,366, July 11.
Filter. B. G. Brown. 2,530,283, Nov. 14.
Filter. R. H. Chaffey. 2,510,378, June 6.
Filter. J. B. Clark. 2,522,502, Sept. 19.
Filter. C. H. Cuno. 2,525,287, Oct. 10.
Filter. J. Epstein. 2,524,781, Oct. 10.
Filter. W. W. Hallinan. 2,521,060, Sept. 5.
Filter. J. P. Kovacs and W. H. Hultgren. 2,533,266, Dec. 12.
Filter. S. Morel. 2,525,559, Oct. 10.
Filter. F. R. Myers. 2,511,292, June 13.
Filter. C. J. Rohland. 2,501,582, Mar. 21.
Filter. J. K. Russell. 2,519,506, Aug. 22.
Filter. A. H. Slepicka. 2,522,904, Sept. 19.
Filter. C. G. Vokes. 2,524,336, Oct. 3.
Filter. L. W. Voorhees. 2,522,975, Sept. 19.
Filter, Air. C. A. Norgren and K. C. Mosier. 2,528,539, Nov. 7.
Filter and antihalation layers, Photographic. S. S. Fierke and R. K. Barclay. 2,503,717, Apr. 11.
Filter and mask adapter, Behind-the-lens. J. de Lanauze. 2,504,255, Apr. 18.
Filter and silencer, Air intake. C. G. Vokes. 2,510,441, June 6.
Filter and silencer unit. C. G. Vokes. 2,510,440, June 6.
Filter and valve for gaseous fuel, Combined. E. H. Mueller. 2,506,313, May 2.
Filter and valve mechanism. R. Q. Boyer. 2,531,802, Nov. 28.
Filter apparatus. E. T. Julius. 2,529,698, Nov. 14.
Filter apparatus. M. H. Kliefoth. 2,513,946, July 4.
Filter attachment, Grease gun. J. H. Harnley. 2,504,683, Apr. 18.
Filter cartridge. F. B. Harvuot. 2,512,797, June 27.
Filter cleaner for vacuum dust collectors. J. B. Kirby. 2,534,171, Dec. 12.
Filter cleaning apparatus. G. H. Vokes. 2,533,644, Dec. 12.
Filter cleaning mechanism. G. B. Reeves. 2,511,598, June 13.
Filter construction, Spring. F. J. Armstrong. 2,494,535, Jan. 17.
Filter control valve. O. A. Maunula. 2,532,177, Nov. 28.
Filter-conveyer for solvent extractors. J. A. Faler. 2,516,968, Aug. 1.
Filter device. M. P. Glowacki. 2,502,375, Mar. 28.
Filter device. R. G. Tessmer, Sr. 2,508,976, May 23.
Filter, drier, heat exchange, and surge resistor for electrical refrigerators, Combined. W. H. Garner. 2,505,393, Apr. 25.
Filter drum and shielding shoe. J. V. Vitalius and N. Klykken. 2,534,563, Dec. 19.
Filter drum screen fastening means. R. R. Collins. 2,534,161, Dec. 12.
Filter element. R. N. Coleman. 2,518,285, Aug. 8.
Filter fabric structure and making same. J. Overbeke. 2,517,704, Aug. 8.
Filter for coffee makers. J. C. Columbus. 2,506,013, May 2.
Filter for coffee makers. F. E. Wolcott, Jr. 2,495,996, Jan. 31.
Filter for dust collectors, Air. D. Framer. 2,519,897, Aug. 22.
Filter for electrically heated drapes, Air. L. P. Herrington. 2,495,414, Jan. 24.
Filter for furnaces, Automatic electrostatic. V. Dahlman. 2,522,568, Sept. 19.
Filter for hydraulic pumps, Starting. H. K. Ihrig and E. O. Layman. 2,506,790, May 9.
Filter for injectors for combustion engines. G. Sola. 2,507,355, May 9.

Filter for plate-type heat exchange apparatus. R. Seligman and H. F. Goodman. 2,525,000, Oct. 10.
Filter for the clarification of oils. J. Müller. 2,512,365, June 20.
Filter for vacuum driers, Dust. G. Stevenson. 2,519,082, Aug. 15.
Filter holder for projectors. J. H. Eagle and H. P. Caudle. 2,503,714, Apr. 11.
Filter layer, Dianil dye photographic. G. W. Sawdey. 2,500,045, Mar. 7.
Filter layer for absorbing ultraviolet radiations, Photographic. V. Reckmeyer. 2,508,295, May 16.
Filter material. R. R. Stevens. 2,514,145, July 4.
Filter means, Transmission oil. H. H. Trail. 2,499,798, Mar. 7.
Filter panel. C. J. Glanzer and O. H. Schaaf. 2,499,949, Mar. 7.
Filter pump. A. Goetz. 2,526,656, Oct. 24.
Filter rack. E. V. Kelly. 2,533,815, Dec. 12.
Filter sludge remover. C. J. Giallanza. 2,503,816, Apr. 11.
Filter replacement construction for vacuum cleaners. E. P. Senné. 2,533,057, Dec. 5.
Filter system. C. W. Cox. 2,507,591, May 16.
Filter system. O. M. Summers. 2,518,835, Aug. 15.
Filter system, Coolant. F. J. Armstrong and H. F. Hamlin. 2,494,534, Jan. 17.
Filter system for washing machines and the like. T. T. Woodson. 2,509,753, May 30.
Filter tip, Cigarette. S. R. Wellborn. 2,502,545, Apr. 4.
Filter unit. H. L. Gilmore. 2,524,347, Oct. 3.
Filter unit, Disk type. F. L. Townsend. 2,507,126, May 9.
Filter unit, Oil. K. Le R. Stovall. 2,495,031, Jan. 17.
Filter with explosion-proof illuminating device. J. W. Kelley and H. R. Davis. 2,535,799, Dec. 26.
Filtering apparatus. K. L. Ellila. 2,534,760, Dec. 19.
Filtering apparatus. F. B. Harvuot. 2,530,198, Nov. 14.
Filtering apparatus. G. Miller. 2,499,325, Feb. 28.
Filtering apparatus and method. C. G. Vokes. 2,499,705, Mar. 7.
Filtering device. R. D. Wiley. 2,521,107, Sept. 5.
Filtering device, Smoke. J. Goch. 2,535,282, Dec. 26.
Filtering material. E. Stafford and H. N. Lee. 2,507,827, May 16.
Filtering media, Air. C. N. O'Day. 2,493,726, Jan. 3.
Filtering method and apparatus. C. L. Peterson. 2,499,412, Mar. 7.
Filtration. M. Carosella. 2,509,260–1, May 30.
Fin assembly machine for heat-exchange cores. F. M. Young. 2,517,370, Aug. 1.
Fin damping means. W. H. Francisco, Jr. 2,518,675, Aug. 15.
Fin for heat-exchanger tubes, Internal. H. F. Brinen. 2,514,468, July 11.
Fin peening tool. F. S. Sherwin. 2,503,001, Apr. 4.
Finger control for meter regulating means, Quick-change. C. Wedel. 2,521,618, Sept. 5.
Finger flex device. F. Saam. 2,501,919, Mar. 28.
Finger nail cutter. H. K. Perrill. 2,532,370, Dec. 5.
Finger ring. E. Burk. 2,497,207, Feb. 14.
Finger safety protector. J. E. Morvey. 2,494,306, Jan. 10.
Fingerstall, Adjustable. J. A. Millheisler. 2,506,464, May 2.
Finishes containing polyethylene, Abrasion resistant. D. M. Gowing, D. R. Langdon, and R. L. Selby. 2,518,462, Aug. 15.
Finishes on fabrics, Production of permanent lustrous. A. L. Lippert. 2,524,915, Oct. 10.
Finishing crystals. J. R. Knights. 2,505,121, Apr. 25.
Finishing electric rotors. D. D. Austin, Sr. 2,497,023, Feb. 7.
Finishing device. E. I. Harrison. 2,516,870, Aug. 1.
Finishing device. E. I. Harrison and H. L. Killey. 2,522,613, Sept. 19.
Finishing end edges of plasterboard. G. A. Buttress. 2,523,861, Sept. 26.
Finishing fabric articles, Method and apparatus for. E. R. Jarmain. 2,515,828, July 18.
Finishing gears. G. H. Sanborn. 2,499,167, Feb. 28.
Finishing machine. W. J. Heldenbrand. 2,513,799, July 4.
Finishing of liquid polymers. F. W. Banes and P. K. Frolich. 2,514,986, July 11.
Finishing process for spinning jets. S. A. Mansfield and C. E. Bishop. 2,496,299, Feb. 7.
Finishing rubber articles. T. H. Winkeljohn. 2,533,653, Dec. 12.
Finishing treatment for asbestos ironer roll covers. G. C. Holroyd and J. M. Almand. 2,534,818, Dec. 19.
Fire alarm, Automatic. P. Weisz. 2,507,359, May 9.
Fire alarm device, Portable electric. W. M. Shaw. 2,514,807, July 11.
Fire alarm system. F. H. Bray, E. F. Bates, and J. C. Doughty. 2,531,391, Nov. 28.
Fire alarm system. D. Coleman. 2,523,097, Sept. 19.
Fire alarm system, Flame responsive. A. Dauvillier and M. Ponte. 2,524,100, Oct. 3.
Firearm. J. E. Brock. 2,512,998, June 27.
Firearm. R. A. King. 2,529,733, Nov. 14.
Firearm. M. Paulvé. 2,527,195, Oct. 24.
Firearm container. S. W. Fish. 2,512,622, June 27.
Firearm, Gas piston operated. B. Maillard. 2,494,889, Jan. 17.
Firearm sight, Adjustable. G. F. Davis. 2,494,163, Jan. 10.
Firearm with automatic hammer, Automatic inertia-locked. H. Eglin. 2,512,014, June 20.
Firearm with trigger operated cocking mechanism, Semiautomatic. M. W. Pastore and J. C. Rothwell. 2,535,156, Dec. 26.
Firebox, Fabricated refractory metal. C. E. Schinman. 2,534,832, Dec. 19.
Firebox for furnaces, Sectionally removable and replaceable. L. E. Seeley. 2,531,864, Nov. 28.
Firebrick and producing the same, Lightweight. R. F. Rea. 2,509,315, May 30.
Fire-detecting switch. G. L. Bair. 2,522,248, Sept. 12.
Fire detecting system, Pressure type. H. S. Jones. 2,493,351, Jan. 3.
Fire detector and like elements, Manufacturing. M. F. Peters. 2,495,867, Jan. 31.
Fire detector cable. G. W. Thelin. 2,501,457, Mar. 21.
Fire escape. J. P. Chodacki and J. Kaminski. 2,526,065, Oct. 17.
Fire escape. A. H. Vorbusch, Sr., A. H. Vorbusch, Jr., and B. R. Vorbusch. 2,519,519, Aug. 22.
Fire escape device, Portable. L. H. Tessin. 2,500,884, Mar. 14.
Fire escape, Parachute. E. H. Helms. 2,519,964, Aug. 22.
Fire escape, Window mounted collapsible. C. G. Steele. 2,529,112, Nov. 7.
Fire extinguisher. E. R. Bork. 2,518,656, Aug. 15.
Fire extinguisher. S. V. Bower. 2,522,088, Sept. 12.
Fire extinguisher. C. L. Burgoyne. 2,502,923, Apr. 4.
Fire extinguisher. M. H. Cowan. 2,530,001, Nov. 14.
Fire extinguisher. H. W. Doughty. 2,505,827, May 2.
Fire extinguisher. C. J. Marchell. 2,498,131, Feb. 21.
Fire extinguisher. C. A. Martel. 2,505,714, Apr. 25.
Fire extinguisher. I. Nurkiewicz. 2,530,583, Nov. 21.
Fire extinguisher. I. Nurkiewicz. 2,533,685, Dec. 12.
Fire extinguisher. J. H. Reger. 2,522,962, Sept. 19.
Fire extinguisher. T. C. Weiss and S. King. 2,525,742, Oct. 10.
Fire extinguisher. M. Winter. 2,510,269, June 6.
Fire extinguisher, Automatic Christmas tree. L. C. Deyo. 2,522,020, Sept. 12.
Fire extinguisher, Automatic remotely controlled. C. N. Cahusac. 2,519,350, Aug. 22.
Fire extinguisher, Carbon dioxide. C. L. Jones. 2,519,967, Aug. 22.
Fire extinguisher, Foam type. C. H. Lindsay. 2,527,831, Oct. 31.
Fire extinguisher for motion-picture projectors, Automatic. C. R. Brown and G. W. Berndt. 2,506,567, May 9.
Fire extinguisher for motor carburetors, Automatic. G. C. Adalbert. 2,531,490, Nov. 28.
Fire extinguisher, Hand. J. C. Hesson. 2,496,160, Jan. 31.
Fire extinguisher holder. I. Nurkiewicz. 2,499,672, Mar. 7.
Fire extinguisher, Mobile. S. Boal. 2,510,861, June 6.
Fire extinguisher, Portable fog type. L. H. Smith. 2,531,366, Nov. 21.
Fire extinguisher, Portable hand. A. B. Guise and T. W. Johnson. 2,531,123, Nov. 21.
Fire extinguisher, Pyrotechnic-operated. E. R. Scholz. 2,530,633, Nov. 21.
Fire extinguishing and space ventilating device, Combined. H. V. Williamson and J. C. Hesson. 2,506,126, May 2.
Fire-extinguishing apparatus. H. E. Bedford and A. Hall. 2,532,986, Dec. 5.
Fire extinguishing apparatus. C. W. Frese and T. P. Scott. 2,524,047, Oct. 3.
Fire-extinguishing apparatus. N. J. Thompson. 2,498,512, Feb. 21.
Fire-extinguishing apparatus and method. H. V. Williamson. 2,525,570, Oct. 10.
Fire extinguishing composition and method. W. F. Busse and J. P. Dailey. 2,506,062, May 2.
Fire extinguishing composition and method. W. F. Busse, J. M. Lambert, and P. P. Debye. 2,529,211, Nov. 7.
Fire extinguishing device. J. H. McGann, Jr. 2,535,311, Dec. 26.
Fire extinguishing device. J. Mournaud. 2,515,832, July 18.
Fire extinguishing device, Automatic. E. G. Ashcraft. 2,497,286, Feb. 14.
Fire-extinguishing method. C. A. Getz. 2,502,143, Mar. 28.
Fire extinguishing method and apparatus. L. D. Myers. 2,500,428, Mar. 14.
Fire extinguishing system. W. A. Beach. 2,529,127, Nov. 7.
Fire extinguishing system. H. E. Heigis and C. W. Frese. 2,534,262, Dec. 19.
Fire extinguishing system. W. M. Thompson. 2,521,193, Sept. 5.
Fire extinguishing system and method. E. A. Joerren. 2,525,802, Oct. 17.
Fire fighting apparatus. H. N. McNair. 2,505,055, Apr. 25.
Fire hose support. F. J. Lee. 2,533,823, Dec. 12.
Fire maker, Emergency. M. C. Lohr. 2,527,100, Oct. 24.
Fireplace. P. Paolella. 2,499,156, Feb. 28.

Fireplace, Air-heating. H. C. Howrey. 2,527,930, Oct. 31.
Fireplace with supplemental draft means. W. V. Barber. 2,497,486, Feb. 14.
Fire preventing device. D. T. Williams. 2,511,959, June 20.
Fire prevention apparatus for range burners. C. R. Canty and G. A. Gavard. 2,498,484, Feb. 21.
Fireproofing and creaseproofing of cellulose and protein textiles. T. H. Morton and F. Ward. 2,530,261, Nov. 14.
Fireproofing chlorophyll containing materials. M. L. Nielsen. 2,526,083, Oct. 17.
Fire protecting apparatus. F. L. Boyd and L. W. Boerner. 2,514,439, July 11.
Fire protection apparatus. N. J. Thompson. 2,513,975, July 4.
Fire protection for curing tobacco in barns. R. Thompson. 2,516,355, July 25.
Fire-retardant composition and process. G. Jones, W. Juda, and S. Soll. 2,523,626, Sept. 26.
Fire retarder, Machine gun. O. E. Rosengren and O. O. Sunderland. 2,509,530, May 30.
Fire retarder, Machine gun. O. O. Sunderland. 2,509,540, May 30.
Fire screen. R. Calmy. 2,512,480, June 20.
Firing control for multiple gun mounts. R. E. Duplessis. 2,527,715. Oct. 31.
Firing control for repeating shotguns, Automatic safety. E. O. Klebe. 2,498,553, Feb. 21.
Firing device, Electric squib. W. M. Harton. 2,506,592, May 9.
Firing graded glass tubular seals. J. C. Prokopec. 2,494,582, Jan. 17.
Firing mechanism. J. W. Channell. 2,525,477, Oct. 10.
Firing mechanism. W. Summerbell, L. J. Rhein, and O. D. Hoopes. 2,504,162, Apr. 18.
Firing mechanism for firearms. M. H. Walker and P. R. Haskell. 2,514,981, July 11.
Firing mechanism for mortars. S. Weiss. 2,503,309, Apr. 11.
Firing mechanism for use in armed mounts. F. W. Reinhold and J. J. Maciejowski. 2,495,822, Jan. 31.
Firing pin. R. A. Wykoff, Jr. 2,494,603, Jan. 17.
Firing system for electric discharge tubes. H. I. Stanback and E. G. Anger. 2,520,478, Aug. 29.
Firming fruit and vegetable slices. C. H. Hills. 2,534,263, Dec. 19.
First pick warp stop motion connection. C. E. Pelletier. 2,521,650, Sept. 5.
Fischer-Tropsch catalyst, Preparing a. M. A. Mosesman. 2,503,963. Apr. 11.
Fish and gun box. P. A. Fleming. 2,501,270, Mar. 21.
Fish bait. J. B. Rudy. 2,520,065, Aug. 22.
Fish bait. F. V. Suick. 2,525,733. Oct. 10.
Fish bait. H. A. Widmer. 2,521,555, Sept. 5.
Fish bait and fish lure and making the same. F. F. Weber. 2,521,616, Sept. 5.
Fish bait, Artificial. C. L. Grimm. 2,493,487, Jan. 3.
Fish bait, Artificial. A. S. and H. J. Lutz. 2,501,449, Mar. 21.
Fish bait, Artificial. C. W. Waite. 2,500,442, Mar. 14.
Fish bait, Minnow. C. F. Dale. 2,535,392, Dec. 26.
Fish bait, Multiple-hook. J. E. Walsh and S. Lando. 2,521,139, Sept. 5.
Fish bait or lure. C. C. Sinclair. 2,504,229, Apr. 18.
Fish bait or lure, Artificial. F. W. Johnson and C. A. Cornell. 2,503,672, Apr. 11.
Fish catcher, Automatic. W. E. Ramsey. 2,534,795, Dec. 19.
Fish dressing machine. S. L. Laurin. 2,521,640, Sept. 5.
Fish gaff. H. A. Kelly. 2,528,229, Oct. 31.
Fish gate. P. H. Numsen and F. A. Barnes. 2,498,341, Feb. 21.
Fish holder. S. V. Swetlik. 2,523,736, Sept. 26.
Fishhook. R. R. Allen. 2,503,573. Apr. 11.
Fishhook. L. L. Ayers. 2,501,753, Mar. 28.
Fishhook. D. R. Buss. 2,513,548, July 4.
Fishhook. G. J. Cretin. 2,501,210, Mar. 21.
Fishhook. A. Kissell. 2,531,941, Nov. 28.
Fishhook. A. R. Labunde. 2,526,240, Oct. 17.
Fishhook. C. H. Liebe. 2,531,981, Nov. 28.
Fishhook. S. R. Shields and G. J. Keller. 2,526,288, Oct. 17.
Fishhook. G. A. Sweetman. 2,531,995, Nov. 28.
Fishhook. R. W. Van Arkel. 2,534,152, Dec. 12.
Fishhook. R. J. Verhota. 2,514,527, July 11.
Fishhook and snell holder, Plastic. L. E. Hamel. 2,493,344, Jan. 3.
Fishhook, Bait-claming. A. H. Pape. 2,501,085, Mar. 21.
Fishhook, Bait retaining. C. A. Moore. 2,534,469, Dec. 19.
Fishhook extractor. A. Anderson. 2,507,083, May 9.
Fishhook extractor. F. C. Hutton. 2,493,142, Jan. 3.
Fishhook extractor. L. C. Shamel. 2,503,420. Apr. 11.
Fishhook extractor. H. Svenson. 2,533,152, Dec. 5.
Fishhook extractor. W. A. Wikarski. 2,512,818. June 27.
Fishhook holder. H. E. Schindler. 2,497,188, Feb. 14.
Fishhook holder. H. G. Valentine. 2,501,425, Mar. 21.
Fishhook holder. P. Warren. 2,514,110, July 4.
Fishhook releaser. J. C. Moore. 2,534,790, Dec. 19.
Fishhook releasing device. W. F. Barthel. 2,507,495, May 16.
Fishhook remover. F. P. Aye. 2,519,098, Aug. 15.
Fishhook remover. W. W. Kinney. 2,502,793, Apr. 4.
Fishhook setting device. F. Fritscher. 2,504,822, Apr. 18.
Fishhook, Spring actuated. E. Chenette. 2,506,137, May 2.
Fishhook, Weedless. F. H. Bemis. 2,513,397, July 4.
Fishhook, Weedless. P. Mattieson. 2,506,883, May 9.
Fish hooking means. J. Gunser. 2,524,224. Oct. 3.
Fish landing device. J. W. Ash. 2,515,685, July 18.
Fish landing grip. S. J. Sicotte. 2,531,235, Nov. 21.
Fish line jerking device. R. P. Stallings. 2,523,927, Sept. 26.
Fishline sinker. R. E. Rants. 2,520,654, Aug. 29.
Fishline straightener and conditioner. H. J. Dean. 2,517,089, Aug. 1.
Fish locating means for feeder tables. N. L. Oates. 2,507,809–10, May 16.
Fish lure. H. F. Adams. 2,517,157, Aug. 1.
Fish lure. C. A. Amspaugh. 2,517,458, Aug. 1.
Fish lure. P. S. Anderson. 2,517,620, Aug. 8.
Fish lure. R. C. Arnold. 2,519,338, Aug. 22.
Fish lure. L. W. Baker. 2,532,879, Dec. 5.
Fish lure. P. Bastie. 2,517,962, Aug. 8.
Fish lure. J. S. W. Bergman. 2,498,352, Feb. 21.
Fish lure. F. F. Bessinger. 2,506,263, May 2.
Fish lure. H. Boice. 2,512,913–14, June 27.
Fish lure. A. C. Boyette. 2,526,115. Oct. 17.
Fish lure. R. Clink. 2,515,591, July 18.
Fish lure. J. R. Cooney. 2,517,844, Aug. 8.
Fish lure. A. Fey. 2,530,008, Nov. 14.
Fish lure. H. A. Fischler. 2,507,098, May 9.
Fish lure. W. M. Gambill. 2,523,949. Sept. 26.
Fish lure. J. A. Gaylord. 2,517,298–9, Aug. 1.
Fish lure. J. W. Harvey. 2,501,723. Mar. 28.
Fish lure. T. G. Hill. 2,494,093, Jan. 10.
Fish lure. V. J. Hufnagel. 2,527,064, Oct. 24.
Fish lure. J. F. Jelinek. 2,535,211, Dec. 26.
Fish lure. W. J. Johnson. 2,494,620, Jan. 17.
Fish lure. L. I. Kaste. 2,507,908, May 16.
Fish lure. P. W. Kridler. 2,505,051, Apr. 25.
Fish lure. E. C. Lane. 2,518,031, Aug. 8.
Fish lure. C. D. Lovelace. 2,516,399, July 25.
Fish lure. E. A. Maddux. 2,523,536, Sept. 26.
Fish lure. J. S. Matasy and A. P. Ballantyne. 2,502,577, Apr. 4.
Fish lure. I. Meohas. 2,509,105, May 23.
Fish lure. L. R. Metz. 2,518,487, Aug. 15.
Fish lure. J. R. Moore. 2,502,979. Apr. 4.
Fish lure. E. M. Perry. 2,511,002. June 13.
Fish lure. E. E. Pruden. 2,495,021, Jan. 17.
Fish lure. C. C. Roberts. 2,495,134, Jan. 17.
Fish lure. E. R. Slater. 2,501,103. Mar. 21.
Fish lure. G. C. Terhorst. 2,534,482, Dec. 19.
Fish lure. R. H. Vaughn and C. M. Lofen. 2,529,642, Nov. 14.
Fish lure. H. B. Warnock. 2,509,179, May 23.
Fish lure. E. E. White. 2,524,370. Oct. 3.
Fish lure. T. F. Wold. 2,493,431, Jan. 3.
Fish lure. J. B. Wood. 2,518,213. Aug. 8.
Fish lure. A. H. Woodle. 2,501,428. Mar. 21.
Fish lure. C. E. Wycech. 2,503,369. Apr. 11.
Fish lure. E. B. Wysack. 2,516,039, July 18.
Fish lure activator. A. E. Jones. 2,521,852, Sept. 12.
Fish lure, Artificial. A. G. La Montagne. 2,494,948, Jan. 17.
Fish lure, Articulated. J. J. Wardrip. 2,503,529. Apr. 11.
Fish lure, Surface artificial. H. L. Phippen. 2,496,231, Jan. 31.
Fish lure, Weedless. W. Sturcke. 2,511,223, June 13.
Fish machine, Bulk feed. A. L. Christiansen. 2,535,349, Dec. 26.
Fish plug. E. C. Twist. 2,534,639, Dec. 19.
Fish-positioning means for feeder tables, Positive. N. L. Oates. 2,507,808, May 16.
Fish press liquor, Concentrated. J. K. Gunther and L. Sair. 2,525,294. Oct. 10.
Fish protein and mineral product. I. A. Parfentjev. 2,512,375, June 20.
Fish reel spool mounting. F. A. King. 2,518,903, Aug. 15.
Fish-scaling equipment. J. Krafczyk. 2,511,592, June 13.
Fish spear, Power. F. W. Johnson. 2,530,434, Nov. 21.
Fish stringer. R. N. Felton and R. Luke. 2,514,483, July 11.
Fish stringer. O. B. Griffin and C. E. Mayhall. 2,518,541, Aug. 15.
Fish stringer. M. R. Loree. 2,518,915, Aug. 15.
Fish stringer. R. S. Mead. 2,506,839, May 9.
Fish stringer. W. H. Stonich. 2,523,974. Sept. 26.
Fish stringing device. D. B. Clapp. 2,511,696, June 13.
Fish stringing device. C. S. Williamson. 2,519,528, Aug. 22.
Fish tackle float. E. A. Coughlin. 2,531,806, Nov. 28.
Fish tape leader. W. C. Jordan. 2,509,100, May 23.
Fish tape leader. W. H. Wait and W. C. Jordan. 2,509,115, May 23.
Fish trap. L. Abbott. 2,525,109, Oct. 10.
Fish trap with expandible hooks. M. A. Nolan. 2,532,186, Nov. 28.
Fish unloading apparatus. A. L. Asaro and J. E. Bilecl. 2,512,194, June 20.
Fishing apparatus, Automatic. N. E. Powell and E. McCown. 2,523,592, Sept. 26.

Fishing apparatus, Tip-up. J. A. Oberg. 2,502,231, Mar. 28.
Fishing appliance. A. M. Peterson. 2,518,634, Aug. 15.
Fishing bait, Artificial. E. V. Flaherty. 2,510,566, June 6.
Fishing boat hold and cold storage construction. R. A. Davis. 2,529,651, Nov. 14.
Fishing bobber. J. Dolejs. 2,535,907, Dec. 26.
Fishing bobber. F. D. Matras. 2,527,437, Oct. 24.
Fishing device. R. T. Martin. 2,516,133, July 25.
Fishing device, Automatic. T. L. Finley. 2,494,800, Jan. 17.
Fishing float. J. J. Kirschman. 2,531,940, Nov. 28.
Fishing float and line catch. J. J. Wardrip. 2,512,002, June 20.
Fishing gear. M. E. Walsh. 2,532,045, Nov. 28.
Fishing guide. M. Glick. 2,532,061, Nov. 28.
Fishing hook snapper. S. Euzent. 2,530,007, Nov. 14.
Fishing kit, Fly. M. D., Sr. and T. H. Wynne, Jr. 2,533,865, Dec. 12.
Fishing leader dispenser. E. Moffett. 2,533,495, Dec. 12.
Fishing line float. C. D. Vanderpool, Jr. 2,530,100, Nov. 14.
Fishing line meter. G. A. Erickson. 2,500,026, Mar. 7.
Fishing line sinker. E. B. Anderson. 2,517,375, Aug. 1.
Fishing lure. M. A. Adams. 2,508,560, May 23.
Fishing lure. R. W. Berry. 2,510,769, June 6.
Fishing lure. R. H. Boshears. 2,499,718, Mar. 7.
Fishing lure. A. C. Clasen, H. J. Millgard, and T. A. Phelps. 2,528,861, Nov. 7.
Fishing lure. J. W. Codd. 2,500,451, Mar. 14.
Fishing lure. C. A. Craig. 2,514,938, July 11.
Fishing lure. L. Dudley. 2,519,236, Aug. 15.
Fishing lure. T. S. and Z. F. Gadzinski. 2,494,384, Jan. 10.
Fishing lure. W. C. Huntley and K. S. Wright. 2,496,213, Jan. 31.
Fishing lure. M. P. Janisch. 2,519,048, Aug. 15.
Fishing lure. F. Jurczak. 2,526,077, Oct. 17.
Fishing lure. J. M. Kneece. 2,517,495, Aug. 1.
Fishing lure. J. I. Koski. 2,523,831, Sept. 26.
Fishing lure. C. W. La Rue. 2,527,743, Oct. 31.
Fishing lure. D. W. Nelson. 2,507,454, May 9.
Fishing lure. E. H. Parnell, Sr. 2,515,018, July 11.
Fishing lure. R. P. Schiffmann. 2,522,725, Sept. 19.
Fishing lure. L. E. Townsend. 2,515,103, July 11.
Fishing lure. I. W. Turner. 2,527,468, Oct. 24.
Fishing lure. C. Witte. 2,496,927, Feb. 7.
Fishing lure, Plug-type. C. E. Fike. 2,502,562, Apr. 4.
Fishing lure, Sectional. G. A. Cummins. 2,507,772, May 16.
Fishing plug. R. C. Fehely. 2,498,800, Feb. 28.
Fishing plug. L. Jensen, Sr., and L. Jensen, Jr. 2,522,179, Sept. 12.
Fishing plug. J. Klein. 2,516,468, July 25.
Fishing plug retriever. F. H. Kocarek. 2,526,031, Oct. 17.
Fishing plug retriever. M. F. Whitlow and W. C. Stapley. 2,516,036, July 18.
Fishing pole accessory. G. V. Farnham. 2,523,361, Sept. 26.
Fishing pole carrier. C. C. Garnett. 2,502,714, Apr. 4.
Fishing pole holder. J. H. Curtess. 2,526,067, Oct. 17.
Fishing pole holder. F. D. Patton. 2,502,272, Mar. 28.
Fishing pole holder. A. N. Stanton. 2,517,937, Aug. 8.
Fishing pole holder. E. C. Ward. 2,502,684, Apr. 4.
Fishing reel. E. L. Bivans. 2,498,626, Feb. 21.
Fishing reel. J. J. Brell. 2,508,217, May 16.
Fishing reel. J. E. Cintron. 2,501,378, Mar. 21.
Fishing reel. E. S. Duncan. 2,498,987, Feb. 28.
Fishing reel. P. M. Fuller. 2,501,466, Mar. 21.
Fishing reel. A. M. Larkin. 2,524,451, Oct. 3.
Fishing reel. C. R. Lorenz. 2,535,584, Dec. 26.
Fishing reel. D. A. Luton. 2,493,766, Jan. 10.
Fishing reel. D. A. Luton and K. M. Johnson. 2,494,952, Jan. 17.
Fishing reel. H. I. Mandolf and H. R. Chapin. 2,518,482, Aug. 15.
Fishing reel. H. F. Maynes. 2,512,357, June 20.
Fishing reel. H. F. Maynes. 2,523,133–4, Sept. 19.
Fishing reel. F. F. Oen. 2,512,170, June 20.
Fishing reel. L. Rakoczy. 2,515,896, July 18.
Fishing reel. R. B. Ransom. 2,517,926, Aug. 8.
Fishing reel. R. W. Rix. 2,507,457, May 9.
Fishing reel. E. F. Small. 2,514,345, July 4.
Fishing reel. A. Sporket. 2,505,920, May 2.
Fishing reel. R. C. Swigerd. 2,513,689, July 4.
Fishing reel. L. Tschus. 2,493,428, Jan. 3.
Fishing reel. W. Willman. 2,531,929, Nov. 28.
Fishing reel. R. B. Worden. 2,500,445, Mar. 14.
Fishing reel. J. R. Young, II, Young and E. E. Young. 2,495,621, Jan. 24.
Fishing reel drag control. F. R. Bater. 2,502,814, Apr. 4.
Fishline reel pole mounting. E. W. Christen. 2,498,648, Feb. 28.
Fishing reel seat. C. H. Matson. 2,517,224, Aug. 1.
Fishing rod and reel holder. A. T. Cherry. 2,523,356, Sept. 26.
Fishing rod assembly. A. C. Bishoff. 2,504,631, Apr. 18.
Fishing rod handle. H. J. Fry. 2,535,404, Dec. 26.
Fishing rod handle. G. D. Harrington. 2,514,950, July 11.
Fishing rod handle. K. W. Irvan. 2,534,027, Dec. 12.
Fishing rod handle. F. J. Lochen. 2,522,624, Sept. 19.
Fishing rod handle. L. J. McLane. 2,526,080, Oct. 17.
Fishing rod handle. E. Meierjohan. 2,495,980, Jan. 31.
Fishing rod handle. E. A. Stark. 2,526,293, Oct. 17.
Fishing rod holder. H. Augustine. 2,506,912, May 9.
Fishing rod holder. S. Climo. 2,522,255, Sept. 12.
Fishing rod holder. J. J. Grevich. 2,513,475, July 4.
Fishing rod holder. W. C. Harrison. 2,512,151, June 20.
Fishing rod holder. F. R. Seiple. 2,507,650, May 16.
Fishing rod holder. E. Tuttle. 2,519,612, Aug. 22.
Fishing rod support. D. Rodgers. 2,515,426, July 18.
Fishing rod tip. F. Ruiz. 2,525,948, Oct. 17.
Fishing tackle. R. McVay. 2,498,815, Feb. 28.
Fishing tackle. B. F. Reynolds. 2,519,851, Aug. 22.
Fit together spelling block. R. S. Greene. 2,510,884, June 6.
Fitting. E. C. Cripe. 2,526,937, Oct. 24.
Fitting. E. B. Tidd. 2,500,621, Mar. 14.
Fitting, Adjustable and self-aligning. O. T. Bendicsen. 2,509,285, May 30.
Fitting, Cleanout soil. W. J. Collison. 2,525,399, Oct. 10.
Fitting, Cord lock. H. Nelson. 2,524,988, Oct. 10.
Fitting, Electric conduit. J. D. Langman. 2,497,126, Feb. 14.
Fitting, Entrance. E. B. Clark. 2,511,668, June 13.
Fitting, Flange union. C. B. Whitney. 2,494,849, Jan. 17.
Fitting, Flexible shaft greasing. A. Preszler. 2,515,611, July 18.
Fitting for air-conditioning systems, Conduit. W. L. McGrath. 2,502,165, Mar. 28.
Fitting for connecting siding members. E. J. Wisniewski. 2,495,303, Jan. 24.
Fitting for connecting tubes and pipes to tanks. M. Grunt. 2,495,373, Jan. 24.
Fitting hearing aids, System and method for. C. E. Rudiger. 2,510,480, June 6.
Fitting, Lubricating. T. A. Campbell. 2,497,758, Feb. 14.
Fitting, Orifice. J. R. Rumbaugh. 2,497,139, Feb. 14.
Fitting, Pipe. J. B. Leonard. 2,495,532, Jan. 24.
Fitting, Sink waste. C. R. Stone and E. A. Fredrickson. 2,528,919, Nov. 7.
Fitting, Tube. C. E. Hollyday, Jr. 2,499,024, Feb. 28.
Fitting, Two-way sewer cleanout. H. L. Fulton. 2,506,206, May 2.
Fitting, Universal plumbing. J. W. Bouldin. 2,499,900, Mar. 7.
Fittings, Making. J. N. Paquin. 2,517,706, Aug. 8.
Fittings, Making pipe. R. E. Fritsch. 2,500,813, Mar. 14.
5-acylamino uracils and making the same. G. H. Hutchings and R. L. Thompson. 2,494,125, Jan. 10.
5-alkoxy sebacic acid and process. C. W. Theobald. 2,499,797, Mar. 7.
5-amino-1-pentanol and alkyl derivatives thereof, Manufacture of. J. F. Olin. 2,516,337, July 25.
5-β-nitroalkyl barbituric acids and salts thereof. C. T. Bahner. 2,527,293, Oct. 24.
5-bromo-2,3,4,5-tetrachloropentadienoic acid. E. T. McBee and J. S. Newcomer. 2,533,134, Dec. 5.
5-carbon acyclic aldehydes, Production of. R. E. Brooks. 2,517,383, Aug. 1.
(5-chloro-2-thenoyl)-o-benzoic acid. H. R. Lee and V. Weinmayr. 2,497,311, Feb. 14.
5-cycloheptenyl-5-ethyl barbituric acid and salts thereof. W. Taub. 2,501,551, Mar. 21.
5,8-bis(diethylaminomethyl)quinoline. G. J. Martin and R. S. Hanslick. 2,507,313, May 9.
5,5-bis(hydroxymethyl)-2-trichloromethyl-m-dioxane. H. Jones and J. K. Aiken. 2,525,681, Oct. 10.
5-hydroxymethyl 2-furfural, Manufacture of. W. N. Haworth and L. F. Wiggins. 2,498,918, Feb. 28.
5-hydroxy-1,3,4-triazaindolizines and preparing the same. N. Heimbach. 2,526,477, Oct. 17.
5-(p-Aminobenzene sulfonamido)-1,3 dimethyl-2,4 dioxo-6-amino-tetrahydropyrimidine and its preparation. A. Demolis. 2,508,450, May 23.
5-phenacylpyrimidines and preparing same. B. Roth. 2,520,472, Aug. 29.
5-phenyl-5-pyridyl hydantoins. H. R. Henze. 2,526,231, Oct. 17.
Five position lever switch. D. P. Mossman. 2,497,414, Feb. 14.
5,6-dimethoxy-8-nitroquinoline, Producing. T. A. Williamson. 2,494,851, Jan. 17.
5,6-dimethylbenzimidazole and acid salts thereof. N. G. Brink and K. Folkers. 2,522,854, Sept. 19.
5-(2′-thienyl)-2-iminodihydro-1,3-oxathioles. W. S. Emerson and T. M. Patrick, Jr. 2,503,198, Apr. 4.
Fix finder. L. J. Zerbee. 2,519,532, Aug. 22.
Fixator, Vein. N. P. Plechas. 2,524,713, Oct. 3.
Fixing bodies to shafts. G. A. Demetriades. 2,502,512, Apr. 4.
Fixing splint for injured body appendants. T. Stevenson, 2,528,456, Oct. 31.
Fixture. V. M. Setterholm. 2,516,154, July 25.
Fixture, V. L. Tilli. 2,523,343, Sept. 26.
Fixture, Aligning and gauging. A. L. Quinlan. 2,527,150, Oct. 24.
Fixture and radio loudspeaker, Combined lighting. E. J. Sassin. 2,501,968, Mar. 28.

Fixture, Assembly. A. H. Lewis. 2,512,659, June 27.
Fixture assembly for elongated tubular lamps. A. L. Arenberg, R. G. Nordquist, and O. W. Rahn. 2,533,661, Dec. 12.
Fixture, Bow making. H. E. Mertz. 2,521,863, Sept. 12.
Fixture, Cam checking. G. L. Merrill. 2,525,420, Oct. 10.
Fixture, Circular lighting. J. E. Dupuy. 2,525,022, Oct. 10.
Fixture, Combination advertising and illuminating. A. B. Russell, Jr. 2,507,350, May 9.
Fixture, Combination lighting and display. E. O. Anders. 2,496,513, Feb. 7.
Fixture, Connecting rod aligning and supporting. W. F. Mitchell. 2,500,087, Mar. 7.
Fixture, Detachable electric light. L. A. Minton. 2,493,684, Jan. 3.
Fixture, Drapery. M. H. Scott. 2,526,088, Oct. 17.
Fixture, Electric lighting. S. Kasher. 2,499,250, Feb. 28.
Fixture, Electric welding. G. Gilliver. 2,523,291, Sept. 26.
Fixture, Electrical. H. Hubbell and J. F. Healy. 2,500,181, Mar. 14.
Fixture, Electrical. A. C. Lindmark. 2,502,658, Apr. 4.
Fixture, Electrical. C. D. McCann. 2,494,398, Jan. 10.
Fixture, Flourescent lamp. S. M. Welsberg. 2,513,832, July 4.
Fixture, Fluorescent light. E. B. Hallman. 2,505,112, Apr. 25.
Fixture, Fluorescent lighting. H. B. Fletcher. 2,525,537, Oct. 10.
Fixture, Fluorescent lighting. L. Margolis. 2,523,581, Sept. 26.
Fixture, Fluorescent lighting. S. R. Naysmith. 2,531,232, Nov. 21.
Fixture, Fluorescent lighting. C. Nitardy. 2,523,840, Sept. 26.
Fixture, Folding leg. A. P. Jurgensen. 2,517,437, Aug. 1.
Fixture for abrasive grinding wheels, Multipurpose. T. H. Choate. 2,502,705, Apr. 4.
Fixture for annular fluorescent lamps, Lamp. H. Brandeis. 2,506,575, May 9.
Fixture for crystals, Holding. W. L. Bond. 2,515,331, July 18.
Fixture for circular fluorescent and incandescent lamps, Lighting. A E. Wiedenhoeft. 2,507,074, May 9.
Fixture for dry shaver cutterheads, Buffing. T. J. Murphy. 2,505,503, Apr. 25.
Fixture for fluorescent lamps. L. Ludwig. 2,534,361, Dec. 19.
Fixture for fluorescent lamps, Electric light. L. G. Marti. 2,509,979, May 30.
Fixture for freight car doors. F. M. Hess. 2,516,210, July 25.
Fixture for grinding cutters. R. Sabatini. 2,532,337, Dec. 5.
Fixture for grinding machines, Work holding. E. M. Eigenbrode. 2,500,634, Mar. 14.
Fixture for lathe turning of angularly disposed surfaces. H. G. Hendrickson and V. J. Hagberg. 2,496,533, Feb. 7.
Fixture for mounting fluorescent lighting structures. W. H. Long. 2,511,440, June 13.
Fixture for pneumatic tire wheels, Coupling. A. M. O'Leary. 2,513,584, July 4.
Fixture for portable power-driven tools. M. W. Coleman. 2,502,640, Apr. 4.
Fixture for saw grinding, Attachment. M. Murphy. 2,534,470, Dec. 19.
Fixture for skates, Triple-purpose adapter. M. M. Bacon. 2,524,587, Oct. 3.
Fixture for supporting and traversing drapes and the like. W. C. Troy. 2,527,860, Oct. 31.
Fixture for table saws, Work feeding. H. W. Schaufelberger. 2,522,965, Sept. 19.
Fixture for testing cylinders. C. L. Testut and A. Zanetti. 2,528,563, Nov. 7.
Fixture for tubular fluorescent lamps, Electric. M. W. Schwartz and M. J. Marks. 2,534,182, Dec. 12.
Fixture, Grinding. B. J. Trocki. 2,527,778, Oct. 31.
Fixture having means to shield the light source, Lighting. E. F. Guth. 2,526,074, Oct. 17.
Fixture having removable light-controlling panels at the sides thereof, Fluorescent lighting. R. G. Marchisio. 2,525,556, Oct. 10.
Fixture having two pairs of jaws, Vise type. C. E. O'Malley. 2,535,450, Dec. 26.
Fixture, Helical broaching. H. H. Gotberg. 2,517,104, Aug. 1.
Fixture, Lamp. M. M. Appleby. 2,512,129, June 20.
Fixture, Light. I. Levy. 2,512,948, June 27.
Fixture, Lighting. A. O. Locke. 2,524,353, Oct. 3.
Fixture, Lighting. L. Schepmoes. 2,525,315, Oct. 10.
Fixture of the recessed ceiling type, Lighting. A. Roberts. 2,518,936, Aug. 15.
Fixture, Ornamental electric light. W. T. C. and W. J. Desmond. 2,509,219–20, May 30.
Fixture, Plural valve plumbing. J. R. O'Brien. 2,498,219, Feb. 21.
Fixture, Ring closing. H. M. Scarff. 2,506,177, May 2.
Fixture, Surface finishing. R. A. Schultz. 2,531,921, Nov. 28.
Fixture unit, Display. P. V. Martino. 2,528,838, Nov. 7.
Fixture, Venetian blind-drape-end. J. Zeto. 2,508,737, May 23.
Fixture, Vented explosion-proof lighting. N. A. Tornblom. 2,530,135, Nov. 14.
Fixture, Wall. M. Schreibman. 2,508,841, May 23.
Fixture with quick detachable reflector, Fluorescent lighting. R. E. Kingston and R. G. Marchisio. 2,525,553, Oct. 10.
Fixture with removable reflector, Recessed lighting. K. Versen. 2,516,660, July 25.
Fixture, Work holding. F. L. Keith. 2,511,345, June 13.
Flag and flagstaff assembly with air deflector. J. W. Donahey. 2,527,357, Oct. 24.
Flag and staff therefor, Folding. J. W. Peterson. 2,499,874, Mar. 7.
Flag, Automobile driver's hand-signaling. J. Starkey. 2,534,313, Dec. 19.
Flag, Educational. M. S. and M. P. Pollock. 2,529,628, Nov. 14.
Flag for ice fishing apparatus, Signaling. K. W. Lyons. 2,506,092, May 2.
Flag holder. W. J. L. Flick. 2,534,117, Dec. 12.
Flag holder. C. E. Holliday. 2,533,459, Dec. 12.
Flag package, Presentation. E. T. McBride. 2,535,149, Dec. 26.
Flagpole. R. Ellis. 2,530,654, Nov. 21.
Flag, Self-righting roadway warning. J. P. Worhun. 2,521,496, Sept. 5.
Flagstaff. B. D. Diaz. 2,507,623, May 16.
Flame and heat resistant sealing compounds. E. Simon and F. W. Thomas. 2,526,427, Oct. 17.
Flame arrester. S. H. Yost. 2,514,823, July 11.
Flame cutter. L. B. Ward. 2,499,938, Mar. 7.
Flame forming corundum styles, Method of an apparatus for. R. M. Gage. 2,530,692, Nov. 21.
Flame hardening and annealing, Method and apparatus for. J. J. Crowe. 2,495,055, Jan. 17.
Flame pocket fluid fuel burner. H. K. J. van den Bussche. 2,515,845, July 18.
Flame retaining gaseous fuel burner. A. Stadler. 2,497,476, Feb. 14.
Flames, Production of colored. E. A. Means. 2,504,211, Apr. 18.
Flange connection, Bolted. J. O. Jackson. 2,513,178, June 27.
Flare, Flasher type electric. V. S. Berry. 2,528,490, Nov. 7.
Flare, Rocket propelled illuminating. C. N. Hickman. 2,503,269, Apr. 11.
Flare stack tip. W. S. Schellentrager, E. S. Bale, and H. G. Briggs. 2,506,972, May 9.
Flared jamb furnace door frame. J. Yoxall. 2,529,272, Nov. 7.
Flaring tool. R. B. Edelmann. 2,526,210, Oct. 17.
Flaring tool. S. Ginns. 2,508,912, May 23.
Flaring tubing. J. R. Welshman. 2,535,470, Dec. 26.
Flash lamp. D. J. Jones and S. V. Williams. 2,519,252, Aug. 15.
Flash lamp. J. Kaplan. 2,531,220, Nov. 21.
Flash lamp. M. Pipkin. 2,497,517, Feb. 14.
Flash lamp. C. E. Ransley. 2,497,910, Feb. 21.
Flashlight. V. R. Alexander. 2,522,012, Sept. 12.
Flashlight. W. R. Amstutz. 2,518,437, Aug. 15.
Flashlight. S. J. Booth. 2,534,945, Dec. 19.
Flashlight. Y. Samalion. 2,494,265, Jan. 10.
Flashlight. H. R. Segal. 2,502,105, Mar. 28.
Flashlight and table lamp, Combination. G. H. Moore. 2,530,069, Nov. 14.
Flashlight and traffic signal, Combination. T. G. Whitford. 2,514,432, July 11.
Flashlight, Batteryless. J. C. Clark. 2,535,041, Dec. 26.
Flashlight, Electric. R. H. Wendt. 2,513,071, June 27.
Flashlight, eyepiece, and headgear, Combination. W. H. Pope. 2,531,585, Nov. 28.
Flashlight for rechargeable batteries. M. Malki, B. Matzkin, and A. L. Goldman. 2,518,039, Aug. 8.
Flashlight having a switch to convert the flashlight into a testing device. J. G. Schneider. 2,519,294, Aug. 15.
Flashlight having multiple lamps for various illuminating effects. V. L. Allen. 2,520,023, Aug. 22.
Flashlight holding device. L. C. Peterson. 2,524,173, Oct. 3.
Flashlight, Portable. E. J. Garland and W. J. Officer. 2,510,812, June 6.
Flashlight, Portable electric. B. F. Muldoon. 2,493,205, Jan. 3.
Flashlight, Usher's. C. H. Maher. 2,500,464, Mar. 14.
Flashlight switch. D. L. Spender. 2,502,600, Apr. 4.
Flashlight switch operating mechanism. E. H. Brill, 2,530,505, Nov. 21.
Flashlight, Vest pocket. A. Mitchell. 2,528,701, Nov. 7.
Flashlight with means for quickly changing bulbs, Electric. F. E. Miller. 2,509,832, May 30.
Flash producing apparatus. N. Rochester. 2,517,031, Aug. 1.
Flash type steam iron. E. K. Clark. 2,520,360, Aug. 29.
Flasher. D. H. Buntzman. 2,514,836, July 11.
Flasher, Electric. P. Sitzer. 2,503,303, Apr. 11.
Flasher type traffic signal. D. D. Grissinger. 2,495,098, Jan. 17.
Flask and compress, Denture mold. R. Gottlieb. 2,505,669, Apr. 25.

Flask, Dental. N. Opotow. 2,527,647, Oct. 31.
Flask or test tube holder. C. Mancino. 2,515,523, July 18.
Flatiron. W. F. Osler, Jr. 2,517,229, Aug. 1.
Flatiron holder. C. D. Stanley. 2,493,424, Jan. 3.
Flatiron stand. G. R. Harris. 2,493,455, Jan. 3.
Flatiron supporting means. A. G. Swenson. 2,501,549, Mar. 21.
Flat primary dry cell. R. P. Richardson and R. W. Lewis. 2,505,835, May 2.
Flat tire detector switch. C. L. Kite. 2,520,247, Aug. 29.
Flatwork washer. O. S. Vigerust. 2,530,494, Nov. 21.
Flatting agent and composition containing the same. A. Saunders. 2,512,470, June 20.
Flavor bud. D. F. Silver. 2,531,536, Nov. 28.
Flavor developing composition. D. B. Sabine. 2,512,385, June 20.
Flaw detecting device, Magnetic. A. L. Smith. 2,526,977, Oct. 24.
Flaw detecting method and apparatus for ferromagnetic bodies. W. C. Barnes, H. W. Keevil, and J. C. Dionne. 2,497,855, Feb. 21.
Fleshing machine. A. G. Norden. 2,504,219, Apr. 18.
Fleshing machine, Pelt. H. W. May. 2,513,885, July 4.
Flexible container. M. M. Cunningham. 2,505,348, Apr. 25.
Flexible corner. G. D. Waterman. 2,529,855, Nov. 14.
Flexible coupling. R. J. Beler. 2,525,580, Oct. 10.
Flexible coupling. R. W. Dykman and C. A. Haubroe. 2,496,702, Feb. 7.
Flexible coupling. J. A. Guthrie. 2,500,175, Mar. 14.
Flexible coupling. S. Jencick. 2,502,790, Apr. 4.
Flexible coupling. H. Nolen. 2,497,623, Feb. 14.
Flexible coupling. H. O. Schjolin. 2,507,999, May 16.
Flexible coupling. J. C. Wilcox. 2,535,338, Dec. 26.
Flexible drill pipe. J. A. Zublin. 2,515,365, July 18.
Flexible game bag. W. H. and W. F. Weiss. 2,518,651, Aug. 15.
Flexible material with rubber latex coating and producing same, Wrinkle. N. T. Beynon. 2,508,092, May 16.
Flexible material with wrinkle textured coating. N. T. Beynon. Re. 23,212, Mar. 28.
Flexible mounting. J. R. Bennett. 2,496,770, Feb. 7.
Flexible pocket receptacle. D. J. Broughton. 2,504,248, Apr. 18.
Flexible pocket receptacle. R. P. Harvey. 2,495,931, Jan. 31.
Flexible shaft coupling. O. E. Braswell. 2,526,799, Oct. 24.
Flexible shaft coupling. P. M. Griffin. 2,496,871, Feb. 7.
Flexible shaft coupling. A. A. Lombard. 2,525,695, Oct. 10.
Flexible tube. R. E. Roberts. 2,508,774, May 23.
Flier for double twist machines. E. Cotterill. 2,499,726, Mar. 7.
Flier for spinning and like machines. C. H. Hattersley. 2,535,736, Dec. 26.
Flight indicator. C. L. Garrison. 2,514,541, July 11.
Flight navigation training apparatus. R. C. Dehmel. 2,506,998, May 9.
Flight trainer. C. W. Soulé. 2,524,238, Oct. 3.
Flight training, Aircraft. R. C. Dehmel. 2,494,508, Jan. 10.
Flint holding and feeding mechanism for lighters. S. Rodak. 2,501,918, Mar. 28.
Flint positioning mechanism. R. L. Burchett. 2,501,841, Mar. 28.
Flint tensioning means for lighters. R. Wiessner. 2,529,857, Nov. 14.
Flip-flop counter circuit. E. Eberhard. 2,533,001, Dec. 5.
Float. R. A. Phillips. 2,529,961, Nov. 14.
Float and casting weight, Combined. H. E. Streitwieser. 2,509,704, May 30.
Float, Casting. J. Breemes. 2,503,793, Apr. 11.
Float, Casting. A. L. Peevey. 2,527,956, Oct. 31.
Float control for automatic washers. M. L. Bowman. 2,499,454, Mar. 7.
Float, Electric fishing line. W. S. Goertzen. 2,534,709, Dec. 19.
Float, Fishing. W. H. Besmer. 2,519,427, Aug. 22.
Float, Fishing. G. T. Chapman. 2,496,334, Feb. 7.
Float, Fishing. J. C. Dungan. 2,525,067, Oct. 10.
Float, Fishing. A. H. Hagen. 2,497,355–6, Feb. 14.
Float, Fishing. G. L. Ingram. 2,500,078, Mar. 7.
Float for rods and reels, Casting. G. E. Oberholtzer. 2,529,179, Nov. 7.
Float, Luminous signaling. L. Grimm and H. J. Moyer. 2,517,479, Aug. 1.
Float or bob, Mechanical fishing. R. M. McHan. 2,501,230, Mar. 21.
Float, Pneumatic. J. Evans. 2,496,460, Feb. 7.
Float, Trapping. B. V. Free. 2,527,629, Oct. 31.
Float, Trilobe. B. P. Labensky. 2,493,296, Jan. 3.
Float valve. E. H. Berge. 2,525,014, Oct. 10.
Float valve. J. Friedl. 2,524,699, Oct. 3.
Floating device, Outboard motor. H. E. Myers. 2,506,884, May 9.
Floating holder. B. Better and J. W. Lehde, Jr. 2,533,758, Dec. 12.
Floating piston pump. J. F. Elliott. 2,497,300, Feb. 14.
Floating roof with flexible deck and central weights. R. C. Ulm. 2,531,898, Nov. 28.
Floating roofs, Making. R. C. Ulm. 2,531,897, Nov. 28.
Floating screen. L. F. Kline. 2,508,952, May 23.
Floating structure, Submersible. A. C. W. Siecke and J. Davidon. 2,528,089, Oct. 31.
Floats of thin metal for ship compasses, Manufacture of hollow. J. M. S. Kaufman, S. Krasnow, and J. A. Schaerfl. 2,505,776, May 2.
Flotation of minerals with hydroperoxide frothers. W. T. Bishop, E. J. Lorand, and J. E. Reese. 2,535,344–5, Dec. 26.
Flotation of titanium oxide mineral concentrates. S. P. Moyer. 2,494,139, Jan. 10.
Flotation process. J. B. Morrow. 2,512,669, June 27.
Flocculation and mixing apparatus. R. B. Carter, Jr. 2,499,816, Mar. 7.
Flock distributing apparatus. H. Fountain and J. J. Murphy. 2,510,625, June 6.
Flocked articles, Producing. W. R. Saks. 2,527,501, Oct. 24.
Flocking cement and method of flocking. R. W. Mitchell. 2,511,171, June 13.
Flood bank and similar structure and units for use in the erection of such structures. F. W. Rowbotham. 2,515,059, July 11.
Floodgate, Adjustable. C. J. Droessler. 2,525,878, Oct. 17.
Floodlight. D. A. Natale. 2,511,937, June 20.
Floodlight mounting for cameras, Multiple bulb. G. and S. Schaeffer. 2,535,372, Dec. 26.
Floor and wall covering, Hard surface. W. Stubblebine. 2,519,410, Aug. 22.
Floor bin and emergency grain bin, Dry sectional corncrib. T. H. Meyer. 2,504,213, Apr. 18.
Floor construction, Heated. F. H. Edgerly. 2,512,854, June 27.
Floor construction of road vehicles. A. Walsh. 2,495,557, Jan. 24.
Floor covering, Pile. J. N. Dow. 2,510,563, June 6.
Floor covering, Woven pile. R. J. Jackson. 2,503,583, Apr. 11.
Floor drain valve. A. J. Wilhelm. 2,524,501, Oct. 3.
Floor furnace. W. C. Coleman. 2,530,151, Nov. 14.
Floor furnace. J. S. Zink. 2,508,131, May 16.
Floor lamp guide light. J. Samson. 2,528,555, Nov. 7.
Floor machine. H. W. Lundquist. 2,508,411, May 23.
Floor-sanding apparatus. G. F. Dwyer. 2,508,452, May 23.
Floor structure. P. Jolly. 2,508,674, May 23.
Floor treating composition. I. C. Elliott. 2,492,975, Jan. 3.
Floor unit for transporting equipment, Removable. A. L. Trotter. 2,498,146, Feb. 21.
Flour bleaching compositions, Preparation of. W. A. Mitchell. 2,535,313, Dec. 26.
Flour, Producing. D. H. Brown. 2,509,418, May 30.
Flour, Ready-mixed. E. G. Gustavson. 2,525,599, Oct. 10.
Flour size, Making. I. L. Griffin. 2,520,597, Aug. 29.
Flourination of polymeric materials. E. L. Kropa. 2,497,046, Feb. 7.
Flow bean. L. C. Becker. 2,501,593, Mar. 21.
Flow bean. C. A. Langstaff. 2,518,625, Aug. 15.
Flow bean. R. A. Werts. 2,510,356, June 6.
Flow blower associated air flow control system, Divided. E. Stonehouse. 2,511,382, June 13.
Flow control. L. S. Hamer. 2,499,380, Mar. 7.
Flow control. G. C. Ralls. 2,499,415, Mar. 7.
Flow control, Automatic safety. E. W. Millard. 2,497,032, Feb. 7.
Flow control device. W. G. Miller. 2,508,793, May 23.
Flow control device, Fluid. E. F. Rossman. 2,531,532, Nov. 28.
Flow control means. W. S. Landon. 2,518,339, Aug. 8.
Flow control valve. E. F. Allen and L. M. Burrows. 2,514,532, July 11.
Flow control valve. R. A. Arthur. 2,498,194, Feb. 21.
Flow control valve. F. C. Binnall and M. T. Miller. 2,515,073, July 11.
Flow controlling device. L. S. Hamer. 2,499,382, Mar. 7.
Flow-energy mixing tank. J. D. Walker. 2,528,094, Oct. 31.
Flowmeter. W. K. Kearsley. 2,518,149, Aug. 8.
Flowmeter. H. Wydler. 2,525,991, Oct. 17.
Flowmeter indicator. G. O. Garis. 2,521,784, Sept. 12.
Flowmeter, Thermal. J. W. Beams, L. B. Snoddy, and L. G. Hoxton. 2,525,197, Oct. 10.
Flow mixer. D. A. Campbell. 2,493,387, Jan. 3.
Flow regulating device. W. G. Finlayson. 2,503,867, Apr. 11.
Flow regulating device. F. T. Harrington. 2,503,870, Apr. 11.
Flow regulation valve. J. A. Southern and S. B. Bogese. 2,531,479, Nov. 28.
Flow regulator. C. N. Aronson. 2,504,063, Apr. 11.
Flow regulator. R. H. Hunter. 2,506,152, May 2.
Flow responsive device, Thermoelectric heat. L. M. K. Boelter, R. V. Dunkle, J. T. Gier, and R. C. Martinelli. 2,493,651, Jan. 3.
Flow restricting device. F. Y. Carter. 2,508,224, May 16.
Flow restricting device. J. H. Stresen-Reuter. 2,502,602, Apr. 4.
Flow restrictor. J. W. Carlson. 2,517,082, Aug. 1.
Flow valve. J. M. Harris, Jr. 2,494,091, Jan. 10.

Flower, Aromatic artificial. B. Gilowitz. 2,507,899, May 16.
Flower attachment, Artificial. R. J. Brown, Jr. 2,514,177, July 4.
Flower holder. A. G. Church. 2,517,842, Aug. 8.
Flower holder. P. E. Jackson. 2,510,162, June 13.
Flowerpot. C. F. Wilberschied. 2,514,269, July 4.
Flowerpot hanger. W. A. Bochau. 2,496,851, Feb. 7.
Flowerpot hanger. C. Stender. 2,533,845, Dec. 12.
Flowerpot holder. J. Rachic. 2,504,583, Apr. 18.
Flue structure for gas ranges. H. A. Davidson. 2,512,521, June 20.
Fluid actuated hose reel. W. H. Keener. 2,518,990, Aug. 15.
Fluid actuated reciprocating tool. H. W. Kugler. 2,526,956, Oct. 24.
Fluid apparatus. E. Cannon. 2,495,669, Jan. 24.
Fluid apparatus. E. Cannon and E. J. Lukes. 2,495,670, Jan. 24.
Fluid apparatus. M. Kaplan. 2,508,950, May 23.
Fluid balancing means. L. D. Potts. 2,502,173, Mar. 28.
Fluid, Brake. G. L. Doelling. 2,507,401, May 9.
Fluid catalyst for hydrocarbon synthesis, Red-iron oxide type. B. G. Gillespie. 2,496,343, Feb. 7.
Fluid catalyst process for conversion of hydrocarbons with stripping and regeneration of fouled catalyst. K. M. Watson. 2,509,751, May 30.
Fluid container. L. M. Cooper. 2,500,119, Mar. 7.
Fluid control and by-pass tool. E. J. Gray. 2,493,962, Jan. 10.
Fluid control device. T. J. Mategorin. 2,512,956, June 27.
Fluid control for inert gas blanketed arc welding. E. R. Behnke and S. H. Royer. 2,510,207, June 6.
Fluid control, Refrigerating. H. T. Lange. 2,510,405, June 6.
Fluid control system. T. B. Chace. 2,506,700, May 9.
Fluid control system. J. K. Heller. 2,497,549, Feb. 14.
Fluid control system particularly for use with automatic clothes-washing machines. T. B. Chace. 2,503,901, Apr. 11.
Fluid control unit. D. H. Halenza. 2,500,750, Mar. 14.
Fluid control valve. W. A. Ray. 2,496,638, Feb. 7.
Fluid control valve. W. A. Ray. 2,526,972, Oct. 24.
Fluid control valve. W. A. Ray. 2,527,851, Oct. 31.
Fluid control, Well. D. B. Grable. 2,522,444, Sept. 12.
Fluid controlling valve. L. M. Puster. 2,514,514, July 11.
Fluid cooling apparatus. L. J. Weber. 2,514,529, July 11.
Fluid coupling. W. F. Mitchell. 2,509,444, May 30.
Fluid device, Hydraulic. S. Moskowitz and D. Yellen. 2,505,198, Apr. 25.
Fluid distributing or collecting system for water softeners, filters, and the like. C. Hungerford, Jr. 2,532,918, Dec. 5.
Fluid distributing valve. G. I. Chinn. 2,500,627, Mar. 14.
Fluid drainage means for washing and rinsing machines. C. Hirsch. 2,508,999, May 23.
Fluid drive mechanism. R. Van Alstyne and E. J. Rothchild. 2,526,175, Oct. 17.
Fluid drive with synchronizing clutch and control therefor. E. E. Eaton. 2,512,853, June 27.
Fluid-driven impact mechanism. T. E. Mead. 2,535,588, Dec. 26.
Fluid evaporating device. J. Bjorksten. 2,529,536, Nov. 14.
Fluid filter. A. S. B. Scott. 2,503,566, Apr. 11.
Fluid flow control device. D. H. Annin. 2,519,333, Aug. 22.
Fluid flow control device. M. H. Grove. 2,511,844, June 20.
Fluid flow direction indicator. G. E. Morris. 2,515,251, July 18.
Fluid flow indicator. F. N. Windsor. 2,520,869, Aug. 29.
Fluid for compression refrigeration systems, Working. S. V. Cook and A. E. Bishop. 2,523,863, Sept. 26.
Fluid for drilling wells, Emulsion. R. D. Dawson. 2,509,588, May 30.
Fluid fuel burning internal-combustion air heater. H. J. De N. McCollum. 2,517,398, Aug. 1.
Fluid heater. W. J. Miller. 2,503,883, Apr. 11.
Fluid heating. C. L. Norton, Jr. 2,520,164, Aug. 29.
Fluid heating apparatus. E. G. Bailey and R. M. Hardgrove. 2,509,854, May 30.
Fluid, Hydraulic pressure transmitting. C. M. White. 2,499,551, Mar. 7.
Fluid, Hydraulic torque converter. A. W. Lewis. 2,504,552, Apr. 18.
Fluid impregnated electric cable. C. E. Bennett. 2,516,747, July 25.
Fluid injecting device. C. Hodgkins. 2,507,596, May 16.
Fluid injection pump. W. A. Beard. 2,519,733, Aug. 22.
Fluid lubricated planetary piston water pump. E. C. Kiekhaefer. 2,493,148, Jan. 3.
Fluid meter. J. McAfee. 2,505,905, May 2.
Fluid meter. E. F. Stover. 2,494,781, Jan. 17.
Fluid meter. E. F. Stover. 2,509,078, May 23.
Fluid mixing apparatus. W. W. Kagi and A. W. Laird. 2,527,136, Oct. 24.
Fluid mixing control system. T. B. Chace. 2,528,442–3, Oct. 31.
Fluid mixture and volume control valve. R. C. Barkelew. 2,501,657, Mar. 28.
Fluid motor. D. W. Martin. 2,522,481, Sept. 12.
Fluid, Oil base drilling. R. D. Dawson. 2,497,398, Feb. 14.
Fluid operated disk brake. H. J. Butler. 2,497,438, Feb. 14.
Fluid operated hydraulic pump. E. N. MacNeil. 2,519,679, Aug. 22.
Fluid operated motor valve. W. O. Tait. 2,526,709, Oct. 24.
Fluid operated press. G. Courl. 2,535,786, Dec. 26.
Fluid-operated press. W. J. Streader. 2,502,288, Mar. 23.
Fluid-operated pump. M. F. Ecker. 2,497,348, Feb. 14.
Fluid-powered valve. H. T. Lange. 2,519,483, Aug. 22.
Fluid pressure actuated C-clamp. J. H. Williams. 2,533,413, Dec. 12.
Fluid pressure brake mounting. J. L. Mossey. 2,495,074, Jan. 17.
Fluid pressure control apparatus. R. R. Stevens. 2,512,043, June 20.
Fluid pressure control apparatus. R. R. Stevens. 2,524,488, Oct. 3.
Fluid pressure control mechanism. E. F. Jirsa. 2,508,263, May 16.
Fluid pressure control system for vehicles. R. G. Le Tourneau. 2,535,300, Dec. 26.
Fluid pressure intensifying device. O. J. Saari. 2,508,298, May 16.
Fluid pressure machine, Rotary vane. W. F. Brown. 2,512,593, June 27.
Fluid-pressure mechanism. B. Jorgensen. 2,525,908, Oct. 17.
Fluid pressure motor. E. F. Jirsa. 2,510,314, June 6.
Fluid pressure operated apparatus. O. Daniels. 2,514,747, July 11.
Fluid pressure operated chair assembly clamp. C. S. Williams. 2,504,609, Apr. 18.
Fluid pressure operated clutch. A. T. Nabstedt and J. O. Berndtson. 2,502,798, Apr. 4.
Fluid pressure operated device. A. J. Hilgert. 2,523,213, Sept. 19.
Fluid pressure operated disk brake. P. T. Tucker. 2,535,763, Dec. 26.
Fluid pressure operated switch. R. T. Gleisen. 2,501,867, Mar. 28.
Fluid pressure operated valve. D. G. Griswold. 2,495,324, Jan. 24.
Fluid pressure regulator. J. D. Nixon. 2,504,720, Apr. 18.
Fluid pressure switch. W. R. Bohle. 2,501,660, Mar. 28.
Fluid pressure switch. R. G. Hess. 2,500,457, Mar. 14.
Fluid pressure switch. J. V. Oliveau. 2,519,596, Aug. 22.
Fluid pressure system and fluid flow control means therefor. C. M. Kendrick. 2,508,399, May 23.
Fluid pressure system with automatic means for replenishing pressure. R. S. Sanford. 2,509,942. May 30.
Fluid pressure unit. D. H. McGogy. 2,530,337, Nov. 14.
Fluid-pressure valve. E. R. Fitch. 2,493,449, Jan. 3.
Fluid primer and air eliminator. A. P. Nicolette. 2,510,190, June 6.
Fluid pump. H. C. Collins. 2,505,386, Apr. 25.
Fluid pump. B. P. Pond, E. E. Vincent, and W. H. De Lancey. 2,516,589, July 25.
Fluid pump. L. H. Schmohl and J. L. Habe. 2,533,965, Dec. 12.
Fluid purification materials and products thereof, Producing. J. R. Dudley. 2,521,664, Sept. 5.
Fluid rate of flow indicator. J. C. Brewer. 2,529,481, Nov. 14.
Fluid-regulating valve. W. V. Jordan. 2,511,342, June 13.
Fluid sampling apparatus. N. J. Roberts. 2,534,181, Dec. 12.
Fluid sealing device. W. H. McCloskey. 2,512,749, June 27.
Fluid selecting apparatus. A. O. C. Nier, G. H. Goertzel, and R. B. Thorness. 2,526,825, Oct. 24.
Fluid separating and pressure reducing apparatus. C. Johnson. 2,509,505, May 30.
Fluid shaft coupling. W. T. Stephens. 2,511,518, June 13.
Fluid storage apparatus. J. H. Wiggins. 2,494,601, Jan. 17.
Fluid storage tank. F. L. Plummer. 2,532,854, Dec. 5.
Fluid stream directing means. R. Griffen. 2,506,298, May 2.
Fluid supply device. F. C. Reggio. 2,516,828, July 25.
Fluid supply for dental engines. R. W. Page. 2,503,294, Apr. 11.
Fluid supply system. A. L. Preston. 2,515,835, July 18.
Fluid tight joint. H. N. Price. 2,521,127, Sept. 5.
Fluid transmission. J. Jandasek. 2,523,907, Sept. 26.
Fluid transmission. H. D. Priest. 2,495,547, Jan. 24.
Fluid transmission connection. T. J. Smulski. 2,520,896, Aug. 29.
Fluid valve. G. C. Millat. 2,524,114, Oct. 3.
Fluid valve. M. M. A. Seeloff. 2,524,142, Oct. 3.
Fluidized low-temperature carbonization of coal. K. J. Nelson. 2,534,051, Dec. 12.
Fluidized stripping and regeneration of spent hydrocarbon conversion catalyst. M. J. Wilcox. 2,520,983, Sept. 5.
Fluidizing process and mechanism. W. G. Bauer. 2,529,366, Nov. 7.

Fluidizing process for zinc recovery. P. W. Garbo. 2,525,790, Oct. 17.
Fluids and using same, Drilling. C. R. Wagner and W. N. Axe. 2,499,548, Mar. 7.
Fluids based on acetals, Operating. F. J. Glavis and H. T. Neher. 2,512,771, June 27.
Fluids for hydraulic and dielectric uses. J. S. Sconce, A. N. Johnson and J. T. Rucker. 2,502,392, Mar. 28.
Fluids, Hydraulic. C. W. Montgomery, W. I. Gilbert, and R. E. Kline. 2,512,255, June 20.
Fluids, Hydraulic. C. W. Montgomery, W. I. Gilbert, and R. E. Kline. 2,516,640, July 25.
Flume divider. J. D. Coffee. 2,500,452, Mar. 14.
Fluorescent electric lamp. L. Rogers. 2,505,993, May 2.
Fluorescent lamp circuit. W. C. Hall. 2,507,101, May 9.
Fluorescent lamp holder. S. Levenson. 2,530,017, Nov. 14.
Fluorescent material, Cascaded. F. A. Kröger and J. Voogd. 2,494,883, Jan. 17.
Fluorescent screens, including the elimination of copper impurities, Making. J. J. Geoghegan. 2,531,618, Nov. 28.
Fluorescent sign lamp. P. Sereno. 2,520,513, Aug. 29.
Fluorinating hydrocarbons. A. F. Benning. 2,521,626, Sept. 5.
Fluorination of unsaturated halocarbons with cerium tetrafluoride. E. T. McBee, R. M. Robb, and W. B. Ligett. 2,493,007–8, Jan. 3.
Fluorine compounds, Production of organic. J. Chapman, and R. Roberts. 2,495,407, Jan. 24.
Fluorine-containing azo compounds. J. B. Dickey. 2,516,302, July 25.
Fluorine removal process. M. H. R. J. Plusje. 2,504,446, Apr. 18.
Fluoroacetic acids, Production of. J. W. C. Crawford and E. R. Wallsgrove. 2,506,068, May 2.
Fluoroalkylthiophenes. W. A. Stover and A. N. Sachanen. 2,515,139, July 11.
Fluoroboric alkylation of thiophene. P. D. Caesar, G. C. Johnson, and J. W. Brooks. 2,527,794, Oct. 31.
Fluorocarbon ethers. J. H. Simons. 2,500,388, Mar. 14.
Fluorocarbons, High-boiling. J. H. Simons. 2,522,968, Sept. 19.
Fluoromethylpyridines. E. T. McBee and E. M. Hodnett. 2,516,402, July 25.
Flush ball guide. M. E. Crandall. 2,526,936, Oct. 24.
Flush circular saw mounting. C. T. Rogne. 2,512,970, June 27.
Flush handle door latch. H. A. Nelson. 2,497,624, Feb. 14.
Flush mounted pencil clip. R. T. Hine. 2,516,629, July 25.
Flush pin gauge. H. G. Craig. 2,517,846, Aug. 8.
Flush pin gauge. W. G. Prince. 2,514,794, July 11.
Flush tank ball valve. R. R. Reeves. 2,520,059, Aug. 22.
Flush type door handle. W. P. McCallick and Y. L. Sanchez. 2,496,737, Feb. 7.
Flush valve. R. H. Loether. 2,504,555, Apr. 18.
Flush valve. E. F. Metzger. 2,502,335, Mar. 28.
Flush valve bracket. C. L. Shobe. 2,502,065, Mar. 28.
Flusher, Fluid operated toilet. J. F. Molloy. 2,534,524, Dec. 19.
Flusher, Sand. J. O. Sanders. 2,501,237, Mar. 21.
Flushing and cleaning device, Sewer. E. M. Brown. 2,508,659, May 23.
Flushing apparatus. W. G. Merritt. 2,520,951, Sept. 5.
Flushing apparatus. J. M. Teahen. 2,501,589, Mar. 21.
Flushing assembly for centrifugal separators. G. J. Strezynski. 2,518,436, Aug. 8.
Flushing device, Toilet. H. E. Fulton. 2,508,667, May 23.
Flushing system, Automatic. J. J. Filliung, Jr. 2,507,966, May 16.
Flushing system for toilets, Dual. D. J. White. 2,532,977, Dec. 5.
Flushing tank. S. H. Labiche. 2,502,262, Mar. 28.
Flux, Brazing and hard soldering. R. B. Goody. 2,499,641, Mar. 7.
Flux composition for gas welding of high nickel alloys. G. R. Pease. 2,518,366, Aug. 8.
Flux for purifying metals. E. W. Hagmaier. 2,535,536, Dec. 26.
Flux in calcining cadmium pigment crude, Controlled. G. C. Marcot. 2,496,588, Feb. 7.
Fluxmeter. W. R. Rathkamp. 2,530,178, Nov. 14.
Flux, Silver brazing. W. Goerg. 2,520,206, Aug. 29.
Flux, Solder. G. M. Forker. 2,522,937, Sept. 19.
Flux, Soldering. A. Di Giulio. 2,508,501, May 23.
Flux, Welding. A. L. Bennett. 2,507,751, May 16.
Flux, Welding. E. H. Lucas and J. J. Shea. 2,505,291, Apr. 25.
Fluxes for the treatment of light alloys. E. F. Emley. 2,497,540, Feb. 14.
Fluxes for use in arc welding. E. A. Smith. 2,509,654, May 30.
Fluxes for use in the treatment of light metals. E. F. Emley and A. C. Jessup. 2,497,538, Feb. 14.
Fluxing process for magnesium alloys. A. H. Hesse. 2,507,713, May 16.
Fly ash and dust collector. E. F. Fisher. 2,496,281, Feb. 7.
Fly ash eliminator. B. N. Miner. 2,508,618, May 23.
Fly holder. O. E. Fields. 2,527,625, Oct. 31.
Flywheel rotating tool. F. Brugmann. 2,533,762, Dec. 12.
Flyer for spinning frame. A. D. Ickringill. 2,500,827, Mar. 14.
Flying control for aircraft. H. Knowler and F. H. Robertson. 2,517,680, Aug. 8.
Flying stage. D. C. Gerli and E. G. Dawson. 2,500,815, Mar. 14.
Foam forming apparatus. F. L. Boyd and L. W. Boerner. 2,512,456, June 20.
Foam forming device. K. C. Thompson. 2,511,420, June 13.
Foam producing albuminous products and their application in foodstuffs and luxuries, Manufacture of. J. Lenderink. 2,522,050, Sept. 12.
Foam producing apparatus. L. W. Boerner and E. C. Holmes. 2,524,421, Oct. 3.
Foam-producing apparatus. W. J. Clifford and H. H. Adams. 2,508,227, May 16.
Foam-producing composition, Making a. C. K. Swift. 2,515,276, July 18.
Foam separator. J. A. McPherson. 2,508,528, May 23.
Focus and centering control for cathode-ray tubes, Combined. G. J. Heisig. 2,521,061, Sept. 5.
Focus determining device for photographic enlargers. W. D. Thompson. 2,493,558, Jan. 3.
Focusing device. J. P. Quam. 2,533,688, Dec. 12.
Focusing device, Automatic camera. M. Davis. 2,506,347, May 2.
Focusing device for photographic shutters and diaphragms, Press. F. P. Willcox. 2,527,781, Oct. 31.
Focusing device, Magnetic. J. P. Quam. 2,533,687, Dec. 12.
Focusing device, Magnetic. J. P. Quam. 2,533,689, Dec. 12.
Focusing electric lamp. H. Holt. 2,516,993, Aug. 1.
Focusing mechanism for lens mounts. J. H. Eagle. 2,518,671, Aug. 15.
Focusing mechanism for twin lens cameras. K. L. Sanford. 2,528,085, Oct. 31.
Focusing mechanism for twin lens reflex cameras. R. Stahl. 2,495,355, Jan. 24.
Focusing objective. J. E. Harvey. 2,532,300, Dec. 5.
Focusing photographic enlargers, Remotely operable means for. C. A. Bloom. 2,500,656, Mar. 14.
Focusing stop mechanism for camera shutters. C. C. Fuerst. 2,507,150. May 9.
Fog dispelling device. J. D. R. De Land. 2,522,667, Sept. 19.
Fog dispersal system. L. Kooistra. 2,510,118, June 6.
Foldable and retractable endless track type landing gears. A. A. Gassner. 2,510,969, June 13.
Foldable auxiliary baby seat. C. Grieb. 2,496,205, Jan. 31.
Foldable canopy frame. B. G. Barnett and B. B. Westmoreland. 2,510,365, June 6.
Foldable closure. R. A. Brenner, C. T. Lenox, W. A. Shearer, C. F. Van Buskirk, and E. R. Watkins. 2,512,736, June 27.
Foldable gaff hook. V. Stoddard. 2,496,822, Feb. 7.
Foldable high chair. V. E. Little and R. B. Norris. 2,517,004, Aug. 1.
Foldable rack. S. M. Scherstuhl. 2,530,632, Nov. 21.
Foldable reclining chair. K. E. A. Schmidt. 2,493,646, Jan. 3.
Foldable seat. R. E. Burch. 2,509,420, May 30.
Foldable seat. T. Z. Ledbetter. 2,507,639, May 16.
Foldable self-adjusting reclining chair. J. A. Cameron. 2,521,283, Sept. 5.
Foldable tree holder. W. T. Kennel. 2,531,690, Nov. 28.
Folded shirt and collar protector. S. Lighter. 2,530,885, Nov. 21.
Folder, File. C. I. Schwinger. 2,519,405, Aug. 22.
Folder for labels, Mitre. E. Kellermann. 2,501,178, Mar. 21.
Folder, Rotary sheet. J. E. Meyer. 2,528,159, Oct. 31.
Folder, Strip. W. E. Oliver. 2,501,873, Mar. 28.
Folding and wrapping machine, Sliced bacon. A. C. Gannon. 2,521,577, Sept. 5.
Folding apparatus, Container flap. S. H. Berch. 2,500,922, Mar. 21.
Folding bath cabinet. D. L. Cosper. 2,526,733, Oct. 24.
Folding box. C. I. Elliott and V. R. Pantalone. 2,523,246, Sept. 19.
Folding box. H. A. Feigelman. 2,514,381, July 11.
Folding box. M. Lazow. 2,525,690, Oct. 10.
Folding box. M. I. Williamson. 2,523,488, Sept. 26.
Folding cabinet type ironing board. F. B. Gargaglione. 2,523,425, Sept. 26.
Folding cardboard box. H. S. Blandford. 2,522,597, Sept. 19.
Folding chair. L. H. Burlin. 2,514,309, July 4.
Folding chair. J. M. Dorton. 2,529,726, Nov. 14.
Folding chair. O. E. Hill. 2,508,607, May 23.
Folding chair. M. T. Larin. 2,497,412, Feb. 14.
Folding chair. J. P. Meehan. 2,493,682, Jan. 3.
Folding chair. H. J. Walters. 2,528,676, Nov. 7.
Folding clothes drier. A. H. Cooper. 2,524,190, Oct. 3.
Folding clothes hanger. S. L. Pincus and J. Oxman. 2,518,370, Aug. 8.
Folding container. J. Cheatham, Jr. 2,517,178, Aug. 1.
Folding, cutting, and delivering mechanism. H. M. Barber. 2,501,835–6, Mar. 28.

Folding device for attachment to drawing frames. H. J. Woods. 2,497,647, Feb. 14.
Folding device for tape.dispensers G. I. McNeil. 2,526,494, Oct. 17.
Folding dish-drying rack. G. Einhorn. 2,516,088, July 18.
Folding display. N. Burr. 2,533,874, Dec. 12.
Folding extension device. H. M. Gaun. 2,532,840, Dec. 5.
Folding gaff hook. L. H. Darling. 2,516,620, July 25.
Folding hammock support. A. W. Weir. 2,524,499, Oct. 3.
Folding holder. A. O. Sodergren. 2,499,334, Feb. 28.
Folding hook. D. H. Schmiedt. 2,500,471, Mar. 14.
Folding infant's chair. J. W. Cox and J. Cox, Jr. 2,509,036, May 23.
Folding ironing board. E. W. Shaw. 2,499,078, Feb. 28.
Folding jaw assembly for rotary sheet folders. J. E. Meyer. 2,527,194, Oct. 24.
Folding leg table. W. C. Higley. 2,529,940, Nov. 14.
Folding lounge chair. R. E. Shook. 2,517,039, Aug. 1.
Folding machine, Carton. W. H. Inman. 2,518,014, Aug. 8.
Folding machine, Carton blank. A. F. Shields. 2,517,449, Aug. 1.
Folding machine, Fabric. R. H. Toubhans. 2,506,182, May 2.
Folding machine, Sheet. G. S. Berman. 2,531,386, Nov. 28.
Folding machine, Shirt. W. F. Gayring and J. Neuroth. 2,508,108, May 16.
Folding machine, Upright. R. N. Ward and W. H. Matthews. 2,495,994, Jan. 31.
Folding miter gauge. R. J. Colton. 2,526,852, Oct. 24.
Folding paper box. W. G. Anderson, Jr. 2,493,281, Jan. 3.
Folding paper boxes, Method and mechanism for. E. G. Staude. 2,532,522, Dec. 5.
Folding plastic book cover. W. R. Kutik, Jr. 2,533,590, Dec. 12.
Folding seat. W. C. Beckenhauer. 2,521,200, Sept. 5.
Folding seat. S. J. Gillis and L. W. Simons. 2,530,239, Nov. 14.
Folding shampoo cabinet. A. G. Green. 2,507,630, May 16.
Folding shelf support. A. L. Morse. 2,516,237, July 25.
Folding structure. H. R. Moff. 2,511,364, June 13.
Folding support. W. E. Mowrey. 2,520,469, Aug. 29.
Folding table. J. F. Hart. 2,535,920, Dec. 26.
Folding wing aileron control unit. H. P. Focht. 2,534,764, Dec. 19.
Foliage destroying machine and beet topper. J. J. Wallace. 2,504,365, Apr. 18.
Folic acid, Manufacture of. P. Karrer. 2,520,882, Aug. 29.
Folic acid, Manufacture of. H. Lindlar and H. Klaeui. 2,520,156, Aug. 29.
Follow-up and pressure fluid type servo motor. L. H. Baghuis. 2,496,369, Feb. 7.
Follow-up control, Automatic pilot. P. Halpert. 2,511,846, June 20.
Follow-up mechanism. J. W. Drake. 2,495,162, Jan. 17.
Follow-up mechanism. R. B. Malley. 2,497,617, Feb. 14.
Follow-up system. R. Hofstadter. 2,499,222, Feb. 28.
Follow-up system, Electrical. M. F. Ketay and J. R. Miller. 2,493,585, Jan. 3.
Follow-up system stabilizing circuit. J. T. McNaney. 2,518,161, Aug. 8.
Follow-up system, Two wire. M. N. Yardeny, R. Bernas, and S. Goldberg. 2,530,750, Nov. 21.
Follower, Curve. T. M. Berry and H. L. Clark. 2,499,178, Feb. 28.
Follower for filing compartments. G. M. Beno. 2,501,491, Mar. 21.
Fondants, fudges, and the like, Preparation of. H. Lebeson and A. H. Field. 2,504,542, Apr. 18.
Food compositions, Free-flowing. S. Musher. 2,493,080, Jan. 3.
Food conditioner, Bottom dispensing steam. C. I. Van Cleve. 2,532,868, Dec. 5.
Food conditioning apparatus. R. D. Parks. 2,532,033, Nov. 28.
Food cutter. V. J. Klejna. 2,502,157, Mar. 28.
Food dehydration. C. Birdseye. 2,521,442, Sept. 5.
Food freezing apparatus. J. L. Gilson. 2,531,210, Nov. 21.
Food holding unit. L. R. Poirier and V. E. Provost. 2,534,680, Dec. 19.
Food improvements, Frozen. H. A. Noyes. 2,504,869, Apr. 18.
Food machine. E. F. Tuttle. 2,507,838, May 16.
Food manufacture, Animal. R. R. Haugh. 2,508,112, May 16.
Food mixer. S. Misic. 2,525,421, Oct. 10.
Food mixer. E. L. Schwarz-Kast. 2,496,919, Feb. 7.
Food package, Frozen. T. S. Gorton, Jr. 2,519,960, Aug. 22.
Food preparation. L. K. Marshall. 2,501,400, Mar. 21.
Food preservation. E. Grom. 2,509,299, May 30.
Food product. A. M. Erickson. 2,499,375, Mar. 7.
Food product and preparing same, Concentrated milk. W. H. Hoecker and B. W. Hammer. 2,501,445, Mar. 21.
Food product and preparing same, Smoked. A. Weissenbach. 2,507,486, May 9.
Food product, Edible. A. Rubin. 2,511,082, June 13.
Food product, Making an avocado. L. E. Harrison. 2,493,818, Jan. 10.
Food products and making same. L. La Vine. 2,528,008, Oct. 31.
Food products, Making. J. B. Alexander. 2,512,591, June 27.
Food products, Making frozen. A. J. Tacchella. 2,527,894, Oct. 31.
Food products, Making rye. A. T. Johnson. 2,505,407, Apr. 25.
Food products of comminuted animal tissue. A. L. Lynne. 2,503,282, Apr. 11.
Food products, Production of bran-containing. M. M. Raymer and J. J. Thompson. 2,509,449, May 30.
Food service cabinet. E. L. Landon. 2,527,432, Oct. 24.
Food storage container. J. A. Verheyden and F. Haloski. 2,519,862, Aug. 22.
Food-warming device. L. Spiess. 2,499,690, Mar. 7.
Foods. L. V. Strasburger. 2,530,212, Nov. 14.
Foods, Frozen. R. L. Lloyd. 2,516,891, Aug. 1.
Foodstuffs, Enriched. L. Stievater, Jr., and P. Stecher. 2,508,477, May 23.
Foot and leg rest. H. A. Everest and H. C. Jennings. 2,520,309, Aug. 29.
Foot and leg rest, Tiltably adjustable. A. B. Bell. 2,528,331, Oct. 31.
Football practice apparatus. R. H. Banbury. 2,532,880, Dec. 5.
Footbrake mechanism, Setting and releasing emergency. S. Duma. 2,520,759, Aug. 29.
Foot control for artificial legs. J. G. Catranis. 2,530,286, Nov. 14.
Foot control valve spring lifter. J. E. Murphy. 2,509,516, May 30.
Foot correction appliance. W. A. Pepin. 2,510,654, June 6.
Foot corrective appliance. W. Lucas. 2,518,033, Aug. 8.
Foot covering with tongue extension, Waterproof. S. Aroeste. 2,496,142, Jan. 31.
Foot for earth compacting roller implements. R. G. Le Tourneau. 2,503,161, Apr. 4.
Foot measuring device for adults' and children's feet. O. Schlaugh and R. D. Peterson. 2,522,899, Sept. 19.
Foot-pedal safety control, Automobile. V. Pomernacki. 2,514,414, July 11.
Footrest and rudder pedal. W. J. Weinfurt. 2,519,804, Aug. 22.
Footrest for chairs and invalid beds, Adjustable. R. R. Freund. 2,532,705, Dec. 5.
Footrest for stepladders. A. F. Newman and N. J. Luttermoser. 2,528,317, Oct. 31.
Foot stabilized container cover lifter. J. Levine and M. Ramon. 2,513,499, July 4.
Foot switch. I. L. Mix. 2,511,217, June 13.
Footwear. W. J. Schaeffler. 2,526,831, Oct. 24.
Footwear and heel therefor. A. L. Graves. 2,501,508, Mar. 21.
Footwear and novel closure therefor. R. E. MacLaughlin. 2,494,770, Jan. 17.
Footwear having replaceable uppers. L. E. Kutcher. 2,510,236, June 6.
Footwear, Rubber. D. M. Buddenhagen. 2,512,917, June 27.
Footwear with a removable sole. W. Epsztejn. 2,528,951, Nov. 7.
Footwear with rear support-providing closure means, Flexible protective. C. W. Leguillon. 2,504,705, Apr. 18.
Footwear with slanting sole. K. S. Tydings and J. Shangold. 2,518,649, Aug. 15.
Force feed lubricator. C. F. Erikson. 2,523,653, Sept. 26.
Force measuring apparatus. A. J. Rosenberger. 2,524,602, Oct. 3.
Force multiplying mechanism. K. W. Hall. 2,496,344, Feb. 7.
Forced circulation air heater. D. F. Jones, J. W. Miller, and B. D. Figg. 2,508,828, May 23.
Forcep and needle holder, Thumb. G. J. Kadavy. 2,504,202, Apr. 18.
Forcep, Dental. E. B. Moller. 2,497,229, Feb. 14.
Forceps. W. J. Miller. 2,518,994, Aug. 15.
Forceps, Dental. R. E. Hawkinson. 2,531,126, Nov. 21.
Forceps, Veterinary. F. D. Randolph. 2,534,990, Dec. 19.
Forearm for firearms. C. H. Benson. 2,498,749, Feb. 28.
Forget-proof window lock. J. Zanona. 2,503,370, Apr. 11.
Forging. A. C. Dunn. 2,494,935, Jan. 17.
Forging aluminum alloy. H. C. Hall, H. E. Gresham, W. M. Doyle and C. Wilson. 2,522,575, Sept. 19.
Forging apparatus. J. Lafont. 2,535,295, Dec. 26.
Forging cable tool drill bits, Process and apparatus for. F. J. Spang. 2,508,693, May 23.
Forging connecting rods. F. Meley and A. Lemoine. 2,502,737, Apr. 4.
Forging railway axles. D. R. Cornell. 2,512,484, June 20.
Fork, Brick handling. S. E. Rike. 2,503,689, Apr. 11.
Fork, Culinary. E. Hrabal. 2,528,658, Nov. 7.
Fork for building bricks, Lift truck. H. Priester. 2,519,282, Aug. 15.
Fork, Picnic. E. R. Schmeling. 2,517,448, Aug. 1.
Fork, Steering. E. F. and R. L. Pawsat. 2,532,034, Nov. 28.
Fork, Telescopic vehicle. M. E. Harding. 2,513,170, June 27.
Fork, Tuning. A. Roth. 2,522,302, Sept. 12.
Fork, Tuning. J. R. Shonnard. 2,497,143, Feb. 14.

Fork, Tuning. A. N. Stanton. 2,529,430, Nov. 7.
Fork with gripping means, Lifting. V. H. Cartwright. 2,530,375, Nov. 21.
Fork with spring-retracted ejector plate, Serving. W. E. Becker. 2,521,032, Sept. 5.
Form. F. J. Carlin. 2,494,329, Jan. 10.
Form and cover therefor, Dress. D. M. Davis. 2,510,333, June 6.
Form apparatus for wall openings. J. Banneyer. 2,515,977, July 18.
Form clamping support. D. Vocisano. 2,510,767, June 6.
Form fitting heating pad. J. N. Eatman. 2,497,443, Feb. 14.
Form for building cementitious walls. F. L. Oelfke and R. L. Horstman. 2,493,826, Jan. 10.
Form for composite walls having a sill. A. Arrighini and G. A. Van Sickle. 2,511,829, June 20.
Form for concrete construction. W. E. Borton. 2,529,648, Nov. 14.
Form for concrete construction. A. A. Boudousquie, Sr. 2,506,485, May 2.
Form for concrete messes, Movable. W. M. Records. 2,493,264, Jan. 3.
Form for constructing tile faced concrete walls. J. J. Wagner. 2,496,571, Feb. 7.
Form for frying tortillas to make fried tacos. J. Maldonado. 2,506,305, May 2.
Form for making concrete slabs. H. C. Seymour. 2,514,805, July 11.
Form for making inflatable game ball carcasses. W. J. and W. A. Sonnett. 2,529,637, Nov. 14.
Form for molding concrete walls. C. M. Martin. 2,523,131, Sept. 19.
Form for use in shuttering. H. C. Huish. 2,519,575, Aug. 22.
Form or pad for deformed limbs and artificial limbs. M. Z. Huggins. 2,501,903, Mar. 28.
Form-retaining materials and products thereof, Making. A. E. Murray. 2,493,310, Jan. 3.
Form support. D. Vocisano. 2,508,779, May 23.
Form tie and spreader. A. G. Roether. 2,502,672, Apr. 4.
Formwork or shuttering for concrete and like structures. W. Hamilton. 2,522,360, Sept. 12.
Formation of concrete pipes, Method of and apparatus for the. N. E. Gowing. 2,533,579, Dec. 12.
Formation of diether esters. W. J. Croxall and J. O. Van Hook. 2,535,011, Dec. 19.
Formation of glass film on silicon steel by strip annealing. V. W. Carpenter. 2,533,351, Dec. 12.
Formation of shaped articles from acrylonitrile polymers. W. A. Hare. 2,530,962, Nov. 21.
Formation of tube ends. H. N. Webster. 2,506,657, May 9.
Formation tester. E. L. Ahlgren. 2,535,342, Dec. 26.
Formation tester. B. R. McKinley. 2,503,557, Apr. 11.
Formation tester C. S. Penfield. 2,509,608, May 30.
Formation testing tool. J. Lynes. 2,516,580, July 25.
Forming a plaster mold or core for casting metals. X. L. Bean. 2,531,496, Nov. 28.
Forming a stock pile of sulfur. A. F. Zemanek, H. A. Swem, H. E. Treichler, C. B. Williams, and W. H. Kelly. 2,498,325, Feb. 21.
Forming a stock pile of sulfur. A. F. Zemanek and H. A. Swem. 2,498,326, Feb. 21.
Forming a strongly adherent electrodeposit. W. B. Stoddard, Jr. 2,533,533, Dec. 12.
Forming and trimming die castings, Method and apparatus for. L. H. Morin and O. Gries. 2,496,131, Jan. 31.
Forming anhydrous solid phase alkali metal salts of glycolonitrile. F. C. Bersworth. 2,500,018, Mar. 7.
Forming apertures in elastic articles. F. Slusher. 2,532,739, Dec. 5.
Forming articles of hollow glassware, Method and apparatus for. W. Hayes. 2,495,253, Jan. 24.
Forming beryllium copper snap rings. D. A. Brown and T. E. Dougherty. 2,527,983, Oct. 31.
Forming bevelled spliced inner tubes. H. H. Vickers. 2,525,085, Oct. 10.
Forming blanks, Method of and apparatus for. J. W. Ekstedt, A. F. Pityo, and H. Butterfield. 2,510,214, June 6.
Forming blast-holes in sulfur stock piles. A. F. Zemanek and H. E. Treichler. 2,498,327, Feb. 21.
Forming building blocks. R. G. Bellezza. 2,508,901, May 23.
Forming capacitor bodies, Method and apparatus for. E. A. Nordberg. 2,506,314, May 2.
Forming cartons, Method and apparatus for. R. Guyer. 2,516,624, July 25.
Forming ceramic articles and producing different colors or shades along different portions of the article. R. W. Erdle. 2,517,100, Aug. 1.
Forming collapsible containers. W. A. Ringler. 2,512,382, June 20.
Forming containers. W. J. Zehr. 2,524,584, Oct. 3.
Forming cutter blades and reels for lawn mowers and the like. H. Goldberg. 2,521,059, Sept. 5.
Forming designs in resinous plastic articles. C. B. Mountcastle. 2,506,165, May 2.
Forming die. C. Ledel. 2,512,161, June 20.
Forming endless toroidal wire spring belts. R. Goodwin. 2,530,163, Nov. 14.
Forming expanded plastic materials. W. O. Baker. 2,502,304, Mar. 28.
Forming extruded plastic sheets. G. A. Lyon. 2,515,243, July 18.
Forming flat spiral glass tubing. A. J. Keyzer. 2,504,426, Apr. 18.
Forming flexible bodies having decorative patterns thereon from polyvinyl chloride paste. A. Chadwick and S. Gair. 2,502,926, Apr. 4.
Forming gaseous sulfides and sulfidation therewith. H. A. Shabaker. 2,494,587, Jan. 17.
Forming golf club grips. J. E. McDevitt. 2,495,119, Jan. 17.
Forming grid-like structures. W. J. Scott. 2,499,977, Mar. 7.
Forming heavy sliver laps, Method and machine for. T. S. Ramsdell. 2,513,893, July 4.
Forming hemispherical globe sections. A. F. Pityo and H. Butterfield. 2,510,215, June 6.
Forming hollow cast articles having smooth outer surfaces from thermosetting resins R. P. Arndt. 2,527,387, Oct. 24.
Forming hydrogel beads. M. P. Elam. 2,516,967, Aug. 1.
Forming hydrogel beads by spray contact. J. A. Pierce. 2,506,316, May 2.
Forming integral fins on tubing. W. P. Hill. 2,508,517, May 23.
Forming jewel bearing blanks. M. H. Barnes. 2,511,962, June 20.
Forming joints. P. M. Hall. 2,527,479, Oct. 24.
Forming letters in stone and resulting product. W. H. Deacy. 2,524,593, Oct. 3.
Forming liquid-carrying containers, Process and apparatus for. E. H. Land. 2,530,306, Nov. 14.
Forming machine. F. J. Borrup. 2,506,264, May 2.
Forming machine. G. O. Conner. 2,503,029, Apr. 4.
Forming machine. E. M. Hunt. 2,512,650, June 27.
Forming machine and method, Bat. C. G. Joa. 2,510,229, June 6.
Forming magnetic field patterns. E. Pugh. 2,501,615, Mar. 21.
Forming metallic bodies, Method and apparatus for. L. R. O'Neill. 2,513,739, July 4.
Forming method and apparatus. S. H. Jones. 2,517,436, Aug. 1.
Forming mineral wool products. E. R. Powell. 2,503,067, Apr. 4.
Forming negative surface replicas of tube interiors. J. W. Sawyer. 2,497,914, Feb. 21.
Forming one-piece paper containers. J. Norden. 2,534,052, Dec. 12.
Forming paper bags, Method and apparatus for. S. G. Yount. 2,511,031, June 13.
Forming pellets of thermoplastic materials. L. W. A. Meyer. 2,508,414, May 23.
Forming penicillin solution. G. Haller. 2,519,902, Aug. 22.
Forming piezo-electric crystals. C. W. MacConnell. 2,493,461, Jan. 3.
Forming pipe bends. C. Cross. 2,516,372, July 25.
Forming pipe from flat sheets, Method and machine for. A. L. Mitchell. 2,515,786, July 18.
Forming plastic fastenings. J. F. Leahy. 2,507,638, May 16.
Forming plastic laminates, Method and apparatus for. L. B. Green. 2,496,911, Feb. 2.
Forming plural ply indented paper pads. C. R. Walker. 2,502,111, Mar. 28.
Forming porous nodules. E. J. Maust and C. A. Hollingsworth. 2,533,027, Dec. 5.
Forming propeller blades. I. M. Diller. 2,522,100, Sept. 12.
Forming receptacles. D. Mapes, W. G. Sylvester, and R. P. Hayes. 2,517,584, Aug. 8.
Forming resinous products derived from haloacrylic acid compounds. W. O. Ney, Jr. 2,501,647, Mar. 21.
Forming screw jacks with concrete bases. L. A. Roggensack. 2,535,956, Dec. 26.
Forming seams. N. M. Rosenbaum. 2,511,080, June 13.
Forming separable fastener stringers. L. H. Morin. 2,495,592, Jan. 24.
Forming shapes of resin impregnated fabric, Method of and apparatus for continuously. H. C. Gray. 2,526,945, Oct. 24.
Forming sheathed electrical heating elements. E. S. Smith. 2,507,825, May 16.
Forming sheet metal gutters. J. E. Navin. 2,493,415, Jan. 3.
Forming small openings in a thick rubber sheet. H. W. Woodward. 2,516,609, July 25.
Forming spherical containers. R. J. Branson. 2,503,190, Apr. 4.
Forming stacked magnetic cores. A. F. Mittermaier. 2,494,349, Jan. 10.
Forming strongly adherent metallic compound films by glow discharge. W. H. Colbert, A. R. Weinrich, and W. L. Morgan. 2,501,563, Mar. 21.
Forming tanks of spherical configuration. R. J. Branson. 2,503,191, Apr. 4.
Forming teeth of spiral or hypoid bevel gears, Method of and apparatus for. P. P. Bazarnic. 2,497,923, Feb. 21.
Forming the corners of paper box cover blanks. C. W. English. 2,524,344, Oct. 3.

Forming thermoplastic sheeting. W. R. Moss. 2,534,291, Dec. 19.
Forming thin annular plastic articles, Method of and apparatus for. G. A. Lyon. 2,499,397, Mar. 7.
Forming tool. C. H. Collins. 2,506,012, May 2.
Forming tubes from tubular blanks, Means for. W. A. Curtis. 2,522,257, Sept. 12.
Forming uranium carbon alloys. J. H. Carter and A. H. Daane. 2,526,805, Oct. 24.
Forming yarns. R. Burgess, Jr. 2,519,347, Aug. 22.
Formaldehyde adhesive compositions, Liquid urea. L. R. Anthony, B. Frenkel, C. E. Smith, and R. W. H. Wicking. 2,500,054, Mar. 7.
Formaldehyde concentration. C. Pyle and J. A. Lane. 2,527,654, Oct. 31.
Formaldehyde corrosion inhibitor compositions. M. I. Moyer and J. M. Hersh. 2,496,594, Feb. 7.
Formaldehyde polymers. R. L. Craven. 2,519,550, Aug. 22.
Formaldehyde purification and polymerization with selective condensation of water vapor. V. F. Michael. 2,529,622, Nov. 14.
Formaldehyde resin modified with a polyethylene glycol bis-(aminophenyl) ether, Thermosetting. K. H. Adams and G. L. Doelling. 2,535,380, Dec. 26.
Formaldehyde synthesis. E. Field. 2,504,402, Apr. 18.
Formals, Production of. M. O. Robeson. 2,535,458, Dec. 26.
Formic acid, Preparation of concentrated. K. H. Engel. 2,511,198, June 13.
Forsterite refractory made from natural magnesium silicates. E. F. Osborn. 2,516,249, July 25.
Fortifying feeds. D. Melnick. 2,496,634, Feb. 7.
Forwarding mechanism for portable autographic registers. L. F. Plummer and W. B. Merrill. 2,526,967, Oct. 24.
Foundation apparel device. G. A. Hughes. 2,515,601, July 18.
Foundation garment. S. W. Thalman. 2,529,115, Nov. 7.
Foundation machine. B. Van Eyck. 2,526,176, Oct. 17.
Foundation pile. J. W. Levasseur. 2,529,220, Nov. 7.
Foundation wall form, Portable. R. R. von Bampus. 2,530,102, Nov. 14.
Foundry additives. C. F. Leitten. 2,527,829, Oct. 31.
Foundry casting. E. C. Pletsch and M. Bock, II. 2,514,793, July 11.
Foundry composition and making same. N. H. Keyser. 2,525,175, Oct. 10.
Foundry composition and method. K. R. Grube. 2,510,220, June 6.
Foundry sands, Preparing. W. W. Kerlin. 2,504,133, Apr. 18.
Fount, Drinking. L. S. Winey. 2,496,030, Jan. 31.
Fount for poultry, Drinking. C. L. Kubista. 2,501,727, Mar. 28.
Fount, Watering. F. C. Haley. 2,502,720, Apr. 4.
Fountain, Animal watering. G. Hankin. 2,525,453, Oct. 10.
Fountain feeder for poultry, Combination. C. G. Muehlfeld. 2,527,324, Oct. 24.
Fountain for printing presses, Dampening. W. W. Davidson and E. F. Dell. 2,516,757, July 25. July 25.
Fountain, Hog. M. L. Rysdon. 2,509,455, May 30.
Fountain, Ink. E. W. Goodwin. 2,519,182, Aug. 15.
Fountain, Ink. C. W. Harrold. 2,534,670, Dec. 19.
Fountain, pen cap. M. S. Baker and R. W. Randolph. 2,533,082, Dec. 5.
Fountain pen cap. D. Kahn. 2,509,234, May 30.
Fountain, Portable electric. L. P. Weil. 2,510,446, June 6.
Fountain, Poultry. J. A. Albert. 2,499,940, Mar. 7.
Fountain, Poultry. R. W. Bradley. 2,519,736, Aug. 22.
Fountain, Poultry drinking. W. L. Lipman. 2,509,004, May 23.
Fountain, Poultry watering. T. K. Faulkner. 2,518,536, Aug. 15.
Fountain, Poultry watering. B. G. Gilbough. 2,496,046, Jan. 31.
Fountain, Printing press ink. C. S. Crafts. 2,519,229, Aug. 15.
Fountain, Refrigerated drinking. S. O. Morrison. 2,525,709, Oct. 10.
Fountain, Refrigerator water. H. H. and R. R. Band. 2,504,622, Apr. 18.
Fountain, Sanitary poultry. M. R. and D. R. Shaw. 2,522,198, Sept. 12.
4-acetamido-4,4-dicarbalkoxy-l-butanols, Producing. D. T. Warner and O. A. Moe. 2,523,743, Sept. 26.
4-aminobenzene-sulfonamides N′ acylated with substituted cinnamic acids. H. Martin, H. Gysin, O. Neracher, and R. Hirt. 2,535,943, Dec. 26.
4-aminobenzal-thiosemicarbazone, Manufacture of. R. Hirt. 2,530,430, Nov. 21.
4-amino-3-pentadecyl phenol. C. R. Dawson and D. Wasserman. 2,502,436, Apr. 4.
4′(β-ethyl)-morpholine ester of nicotinic acid and its production. H. Suter. 2,501,858, Mar. 28.
4-bromo-3,11-diketo-17(α)-hydroxy - 20 - acyloxypregnanes and process. L. H. Sarett. 2,505,837, May 2.
4-carbalkoxy-3-keto-2-substituted tetrahydrothiophene oximes. L. C. Cheney and J. R. Piening. 2,502,423, Apr. 4.
4-chloro-3-nitro-benzene sulfonyl chloride, Preparation of. G. W. Seymour, V. S. Salvin, and W. D. Jones. 2,511,547, June 13.
4,5-dihydroimidazoles, Making. H. L. Morrill. 2,508,415, May 23.
4,5-Imidazoledicarbonitrile and preparation. D. W. Woodward. 2,534,331, Dec. 19.
4,4′-diketodicyclohexyl, Production of. J. R. Schaefgen. 2,496,960, Feb. 7.
4.4-diphenyl-6-morpholino-heptanone-3 and acid salts thereof. B. A. Hems and J. Elks. 2,513,173, June 27.
4,4′-di-(sec-alkylamino)-diphenylamines. A. C. Ruggles. 2,494,059, Jan. 10.
4-hydroxyquinolines, Producing. C. C. Price, R. M. Roberts, and H. F. Herbrandson. 2,504,875, Apr. 18.
4-hydroxy-2-carboxyquinoline compounds, Producing. G. F. Lisk and G. W. Stacy. 2,520,042, Aug. 22.
4-methyl-8-(dialkyl aminoalkylamino)quinolines and their production. K. M. Campbell. 2,508,937, May 23.
4-methyleneamino-pyrazolone derivative. M. E. Bouvier. 2,499,265, Feb. 28.
4-methyl-1,2-dithia-4-cyclopentene-3-thione. D. R. Stevens and A. C. Whitaker. 2,535,706, Dec. 26.
4-neopentyl-1,2-dithia-4-cyclopentene-3-thione and 4-methyl - 5 - tertiary - butyl - 1,2 dithia - 4 - cyclo - pentene-3-thione. D. R. Stevens and W. C. Starnes. 2,535,705, Dec 26.
4 - [(para - aminophenyl)alkyl]cyclohexylamine. G. M. Whitman. 2,511,028, June 13.
4-phenyl-1-alkyl isonipecotic acid lactones. M. A. Spielman. 2,500,714, Mar. 14.
4-picoline-sulfur condensation product, Producing a. J. L. Keller. 2,515,233, July 18.
4-pyridone-n-carboxylic acids. S. Archer. 2,505,634, Apr. 25.
4-quinolyl amino compounds and their preparation. C. E. Kwartler and P. Lucas. 2,530,125, Nov. 14.
4-7-dichloro-8-methylquinoline, Preparing. G. F. Lisk and G. W. Stacy. 2,520,043, Aug. 22.
4,6-alpha-pyrone derivatives. J. Fried. 2,514,325, July 4.
4,6-di-tertiary-butyl-2-methylcyclohexanone. A. C. Whitaker and W. W. Weinrich. 2,505,816, May 2.
4-thiazolidones and preparation thereof. A. R. Surrey. 2,520,179, Aug. 29.
Four-way slide, selector valve. T. C. Hill. 2,531,511, Nov. 28.
Four-way valve. H. C. Langmore and H. M. Ehrhardt. 2,503,827, Apr. 11.
Fowl cleaning tool. W. F. Spang. 2,512,290, June 20.
Fractional distillation. L. Kniel. 2,534,274, Dec. 19.
Fractional separation of fatty oil substances. W. P. Gee. 2,520,801, Aug. 29.
Fractionating column. H. J. John. 2,508,394, May 23.
Fractionating column. A. V. B. Linder. 2,515,090, July 11.
Fractionating column or the like. K. F. Schreier and B. Bartolucci. 2,509,172, May 23.
Fractionating starch. T. J. Schoch. 2,515,095–6, July 11.
Fractionating vapors. F. V. Atkeson. Re. 23,245, July 4.
Fractionation apparatus. T. H. Whaley, Jr. 2,501,114, Mar. 21.
Fractionation of cashew nut shell liquid. H. J. Passino and H. B. Larner. 2,501,451, Mar. 21.
Fractionation of gases with solid adsorbents. E. R. Gilliland. 2,495,842, Jan. 31.
Fractionation of gases with solid adsorbents. H. W. Scheeline. 2,523,149, Sept. 19.
Fractionation of mixtures of penicillins containing penicillin-K. M. A. Dolliver and C. Glaser. 2,509,055, May 23.
Fractionation of plant pigments. R. Miller. 2,511,824, June 13.
Fractionation of tall oil. R. M. Christenson and S. W. Gloyer. 2,530,809, Nov. 21.
Fractionation of tyrothricin. A. L. Baron. 2,534,541, Dec. 19.
Fracture fixation device. C. Mason. 2,500,993, Mar. 21.
Fracture reduction apparatus. F. A. Lorenzo. 2,526,959, Oct. 24.
Frame: *See*—
Adjustable hacksaw frame.
Adjustable jigsaw puzzle frame.
Articulated locomotive truck frame.
Awning frame.
Bingo game frame.
Body side frame.
Chain saw frame.
Collapsible trailer frame.
Composition-selecting frame.
Conduit supporting frame.
Corn picker mounting frame.
Curtain stretching frame.
Cycle frame.
Detachable ornamental spectacle frame.
Diapositive frame.
Expansible storm window frame.
Film viewing frame.
Flared jamb furnace door frame.
Foldable canopy frame.
Hinged picture frame.
Joining frame.
Lady's handbag frame.
Loom frame.
Metal clothesline frame.
Metallic frame.
Mirror attached spectacle frame.
Motor cycle frame.
Motor frame.
One-piece spring jack frame.
Photographic printing frame.
Photomechanical printing frame.
Picture frame.
Plywood furniture frame.
Pocket handkerchief holding frame.

Frame: *See*—Continued.
Refrigerator breaker frame.
Registering and printing frame.
Rotating double picture frame.
Saw frame.
Sewing-machine frame.
Sign display frame.
Spectacle frame.
Storm window frame.
Stove frame.
Sweater frame.
Tension frame.
Toy handweaving frame.
Universal-type picture frame.
Vehicle frame.
War memorial frame.
Window frame.
Frame and easel for use in photographic reproductions, Composing. G. N. Bumstead. 2,495,887, Jan. 31.
Frame and fastening means therefor. W. M. Krantz. 2,518,557, Aug. 15.
Frame and ice hopper for refrigerator cars, Combined ice tank bracing. H. A. Glenn and J. K. Dromgold. 2,508,248, May 16.
Frame and picture sheet, Picture. S. Victor. 2,519,518, Aug. 22.
Frame and rear wheel suspension, Motor scooter. S. J. Burwell. 2,500,659, Mar. 14.
Frame and spring construction, Seat and back. R. J. Williams, G. L. Stine, and F. C. Matthael, Jr. 2,526,184, Oct. 17.
Frame and truck, Combined pack. G. M. Drew. 2,507,855, May 16.
Frame construction, Eyeglass. J. E. Hansen. 2,510,398, June 6.
Frame construction, Locomotive. J. C. Maris. 2,500,844, Mar. 14.
Frame construction, Implement. G. B. Hill and R. U. Zollars. 2,499,500, Mar. 7.
Frame display. A. E. Johnson. 2,512,023, June 20.
Frame, especially for mowers, Implement attachment. S. E. Hilblom. 2,518,317, Aug. 8.
Frame for bicycles. M. Mennesson. 2,495,859, Jan. 31.
Frame for dynamoelectric machines. R. O. Watkins. 2,496,507, Feb. 7.
Frame for food grinders and the like, Supporting. A. H. Taylor. 2,516,271, July 25.
Frame for garment bags, Foldable support. B. Corwin. 2,535,625, Dec. 26.
Frame for hammock seats and like load supporting members, Folding. J. F. Parks. 2,503,508, Apr. 11.
Frame for hydraulic scales, Stabilizing. L. S. Williams. 2,510,535, June 6.
Frame for license plates and the like. V. D. Griffith. 2,499,747, Mar. 7.
Frame for mending hosiery. F. E. and H. A. Salevsky. 2,509,532, May 30.
Frame for modifying lawn mower. R. J. Turman. 2,532,746, Dec. 5.
Frame for multiple-pane window sashes. R. Lemyre. 2,502,575, Apr. 4.
Frame for portable chain saws, Chain supporting. N. T. Adair. 2,525,110, Oct. 10.
Frame for postage meters, Supporting. H. F. Ford. 2,493,188, Jan. 3.
Frame for railway hopper cars, Door. W. E. Wine. 2,506,259, May 2.
Frame for railway hopper cars, Door. W. E. Wine. 2,519,529, Aug. 22.
Frame for screens, Foldable. A. V. Ditty. 2,534,960, Dec. 19.
Frame for solid frame support belts, Solid spring. M. Rishcoff. 2,520,063, Aug. 22.
Frame for storm window assemblies, Mounting. W. M. Krantz. 2,504,702, Apr. 18.
Frame for trampolines, beds, or the like, Foldable. L. V. Griswold. 2,534,019, Dec. 12.
Frame for typewriters, Auxiliary. H. C. Yaeger. 2,533,158, Dec. 5.
Frame for window screens and the like, Metal. G. Steingruber. 2,504,602, Apr. 18.
Frame having metallic inner rims, Plastic top arm spectacle. H. H. Styll. 2,514,103, July 4.
Frame members, Making one-piece angular. J. M. Leake. 2,529,088, Nov. 7.
Frame mounting for window sashes and other closures. A. J. Kiefer. 2,504,204, Apr. 18.
Frame securing means, Picture. H. A. Prew. 2,521,603, Sept. 5.
Frame straightening equipment, Automobile. J. G. Fontaine. 2,512,228, June 20.
Frame structure for suitcases, Interchangeable. F. Schwennicke. 2,531,302, Nov. 21.
Frame structure for turbine-generator prime movers. F. H. Van Nest. 2,531,178, Nov. 21.
Frame structure for vehicles. L. Lynes. 2,533,485, Dec. 12.
Frame structure joint. K. V. R. Berggren. 2,529,903, Nov. 14.
Frame structure, Tricycle. H. L. Kraeft and V. Schreckengost. 2,516,705, July 25.
Frame structures, Manufacturing tubular. H. L. Kraeft, L. J. Walters and R. F. Skerl. 2,495,333, Jan. 24.
Frame with hinged clips therefor, Filter. R. J. Brandt. 2,499,294, Feb. 28.
Frame with hold-down clips and release pins for placing elastic bands around container covers. H. A. Doolittle. 2,514,038, July 4.
Frame with slidable tool bit. R. I. Nakamura. 2,512,238, June 20.
Framework of machine tools. M. Pegard. 2,517,505, Aug. 1.
Framework to snap over electric light bulbs. J. B. Cruze. 2,515,592, July 18.
Frameless window screen. F. J. Burns. 2,519,998, Aug. 22.
Frameless window screen. P. O'Drago. 2,502,665, Apr. 4.
Frames, Making picture. C. C. Miles. 2,496,884, Feb. 7.
Framing construction for vessels. B. Kervarrec. 2,506,549, May 2.
Framing gauge. G. A. Holmberg. 2,517,315, Aug. 1.
Frangible bottle cap. A. R. Mattis. 2,524,458, Oct. 3.
Frankfurters, Producing. E. R. and A. L. McClure. 2,514,660, July 11.
Free air temperature indicator. U. G. Hoffman. 2,534,265, Dec. 19.
Free flow valve. D. Johnston. 2,513,650, July 4.
Free piston pump engine. U. Ekblom. 2,503,152, Apr. 4.
Free-piston unit, Starting. A. Kalitinsky. 2,501,056, Mar. 21
Free spool triple multiplying bait casting reel. C. A. Weckel. 2,503,366, Apr. 11.
Freewheel mechanism. L. Robin. 2,501,408, Mar. 21.
Freeze process for food products, Rapid. T. S. Gorton, Jr. 2,522,221, Sept. 12.
Freezer. L. S. Maranz. 2,515,722, July 18.
Freezer, Food. R. J. Kuklich. 2,497,734, Feb. 14.
Freezer, Ice-cream. L. N. Yohe. 2,511,313, June 13.
Freezing and cooking bag. H. Gottesman. 2,516,978, Aug. 1.
Freezing apparatus. T. W. Tharaldsen. 2,531,087, Nov. 21.
Freezing machine. T. McGrath. 2,522,458, Sept. 12.
Freezing machine. A. J. Tacchella. 2,508,435, May 23.
Freezing machine, Continuous. C. R. Stoelting, O. E. Stamberg, and E. F. Vilter. 2,535,462, Dec. 26.
Freezing materials, Method and apparatus. J. L. Gilson. 2,527,542, Oct. 31.
Freezing of foods, Accelerating the. G. Hammond and R. E. Jacke. 2,529,388, Nov. 7.
Freezing of foodstuffs, Airblast quick. H. A. Noyes. 2,506,099, May 2.
Freezing section. A. J. Nickolas. 2,521,475, Sept. 5.
Freezing unit, Block. H. W. Kleist. 2,523,956, Sept. 26.
Freight car unit, Self-contained refrigerating. H. W. Kleist. 2,534,273, Dec. 19.
Freight carrying device, Detachable. H. R. Jarvis. 2,516,881, Aug. 1.
Freight loading. S. M. Nampa. 2,519,846, Aug. 22.
Frequency and phase control system. H. Goldberg. 2,521,058, Sept. 5.
Frequency and phase modulation. A. Fromageot. 2,516,862, Aug. 1.
Frequency and voltage regulator. P. F. Bechberger. 2,504,489, Apr. 18.
Frequency changer. D. A. Bell. 2,504,626, Apr. 18.
Frequency changer. E. G. Linder. 2,508,645, May 23.
Frequency comparison system. C. W. Hansell. 2,524,702, Oct. 3.
Frequency compensated saturable reactor system. S. E. Hedström and R. Svensson. 2,509,865, May 30.
Frequency control. J. G. Beard. 2,504,293, Apr. 18.
Frequency control. B. F. Wheeler. 2,511,137, June 13
Frequency control, Automatic. R. R. Freas, Jr. 2,503,105, Apr. 4.
Frequency control, Automatic. J. L. Hollis. 2,528,365, Oct. 31.
Frequency control by electronic counter chains. I. E. Grosdoff. 2,521,789, Sept. 12.
Frequency control for radio receivers, Electronic. C. E. Weaver. 2,501,883, Mar. 28.
Frequency control for synthesizing systems. R. R. Riesz. 2,522,539, Sept. 19.
Frequency control for television receivers, Automatic. R. B. Dome. 2,504,663, Apr. 18.
Frequency control of high-frequency oscillations. L. E. Thompson. 2,529,579, Nov. 14.
Frequency control system. J. M. Borst. 2,527,523, Oct. 31.
Frequency control system. R. R. Law. 2,503,394, Apr. 11.
Frequency control system. H. F. Mayer. 2,523,537, Sept. 26.
Frequency conversion. G. Guanella. 2,505,043, Apr. 25.
Frequency conversion system. M. L. Thompson. 2,516,272, July 25.
Frequency converter system. W. F. Sands. 2,517,719, Aug. 8.
Frequency detector and frequency control circuits. A. R. Alter. 2,497,571, Feb. 14.
Frequency detector and frequency control circuits. W. E. Bradley. 2,497,290, Feb. 14.
Frequency discriminator. R. A. Beers, Jr. 2,520,621, Aug. 29.
Frequency divider. W. H. Bliss. 2,493,058, Jan. 3.
Frequency divider. W. H. Bliss. 2,526,000, Oct. 17.
Frequency divider. J. F. Fisher. 2,529,547, Nov. 14.
Frequency divider. S. W. Seeley. 2,500,581, Mar. 14.
Frequency dividing arrangement. L. W. Houghton and D. M. Ambrose. 2,495,726, Jan. 31.

Frequency indicating and counting arrangement. A. E. Bachmann. 2,509,952, May 30.
Frequency meter. L. M. Berman. 2,501,154, Mar. 21.
Frequency meter. P. Cushing. 2,510,381, June 6.
Frequency meter. C. E. Hastings. 2,523,297, Sept. 26.
Frequency meter. J. E. Werner, H. D. Bechtol, and E. W. Breisch. 2,520,867, Aug. 29.
Frequency-modulated direction- and range-finding apparatus. M. V. Kiebert, Jr. 2,508,400, May 23.
Frequency-modulated magnetron microwave generator. J. S. Donal, Jr., R. R. Bush, and C. L. Cuccia. 2,534,503, Dec. 19.
Frequency-modulated signal distortion reducing circuit. J. Haantjes. 2,519,455, Aug. 22.
Frequency-modulating apparatus. E. J. Gorn. 2,505,240, Apr. 25.
Frequency modulating system. R. Aubert. 2,499,014, Feb. 28.
Frequency modulation converter system. G. C. Sziklai and S. Tarzian. 2,528,187, Oct. 31.
Frequency-modulation distance finder. M. G. Crosby. 2,522,863, Sept. 19.
Frequency modulation distance indicator. R. G. Shankweiler and D. Blitz. Re. 23,194, Jan. 31.
Frequency modulation of negative transconductance oscillators. C. H. Hoeppner. 2,510,111, June 6.
Frequency modulation, Producing. L. R. Golladay. 2,526,347, Oct. 17.
Frequency modulation radio-echo distance indicator. D. Blitz. 2,524,282, Oct. 3.
Frequency modulation receiver. W. R. Koch. 2,513,727, July 4.
Frequency modulation receiver. J. D. Reid. 2,510,906, June 6.
Frequency modulation receiver. J. C. Tellier. 2,520,480, Aug. 29.
Frequency modulation receiver system. G. F. Metcalf. 2,523,043, Sept. 19.
Frequency modulation system. G. H. Lee. 2,511,860, June 20.
Frequency modulation system. M. Marks. 2,523,222, Sept. 19.
Frequency modulation system. C. A. Rosencrans. 2,511,789, June 13.
Frequency modulation system. R. G. Schriefer. 2,510,144, June 6.
Frequency modulation system. R. L. Sproull. 2,493,091, Jan. 3.
Frequency modulation system. R. L. Sproull. 2,501,545, Mar. 21.
Frequency modulation system for locating impedance irregularities. D. A. Quarles. 2,499,000, Feb. 28.
Frequency modulating system for locating impedance irregularities. E. I. Green. 2,499,001, Feb. 28.
Frequency modulator. J. R. Boykin. 2,530,937, Nov. 21.
Frequency modulator and time division multiplex system. R. S. Butts. 2,496,148, Jan. 31.
Frequency multiplier system. G. H. Taylor, Jr. 2,496,026, Jan. 31.
Frequency receiver, Ultra high. L. Apker. 2,518,113, Aug. 8.
Frequency regulator. J. W. Lauricella and W. H. Stracener. 2,521,639, Sept. 5.
Frequency relay independent of the magnitudes of energization thereof. H. J. Carlin. 2,513,843, July 4.
Frequency responsive control circuit. C. K. Gieringer and A. G. Billin. 2,497,404, Feb. 14.
Frequency responsive control system. G. L. Rogers. 2,494,357, Jan. 10.
Frequency responsive protective arrangement for ultra high frequency systems. M. D. Fiske. 2,531,122, Nov. 21.
Frequency-responsive system. B. D. Loughlin. 2,513,731, July 4.
Frequency responsive system. J. R. Schoenbaum. 2,522,139, Sept. 12.
Frequency selective system. W. P. Mason. 2,526,573, Oct. 17.
Frequency shift converter. E. E. Eldredge. 2,520,308, Aug. 29.
Frequency shift oscillator circuit. R. W. Beckwith. 2,531,103, Nov. 21.
Frequency shift receiver. J. C. E. Mitchell. 2,507,730, May 16.
Frequency stabilization apparatus. A. E. Harrison and A. K. Roemer. 2,503,266, Apr. 11.
Frequency synchronizing system. E. H. Hugenholtz and B. J. van Hardenberg. 2,505,642, Apr. 25.
Frequency voltage regulator. J. F. Emerson. 2,531,727, Nov. 28.
Freshening and bleaching process for fruits and vegetables. H. S. Hatcshi. 2,519,465, Aug. 22.
Friction assembly and making the same. E. L. Moore. 2,531,782, Nov. 28.
Friction brake. H. W. Cardwell and E. R. Johnson. 2,517,973, Aug. 8.
Friction clutch. C. A. Breeze. 2,516,544, July 25.
Friction clutch. C. B. Spase. 2,493,700, Jan. 3.
Friction clutch. W. V. Thelander. 2,519,414, Aug. 22.
Friction device. D. M. Light. 2,494,300, Jan. 10.
Friction device, Electromagnetic. J. G. Oetzel. 2,507,573, May 16.
Friction device for operating knobs in adjustable apparatus. P. T. Haury. 2,509,058, May 23.
Friction drive, Automatically variable cone. M. Teigman. 2,526,435, Oct. 17.
Friction drive mechanism for phonograph turntables. F. M. Slough. 2,518,826, Aug. 15.
Friction drive rubber track. L. C. Daniels. 2,531,111, Nov. 21.
Friction element. W. H. Du Bois. 2,516,966, Aug. 1.
Friction grip. W. B. McVeigh and R. H. Baines. 2,496,402, Feb. 7.
Friction means, Gravity-operated. A. V. L. C. Debrie. 2,531,558, Nov. 28.
Friction mechanism with clearance adjuster. R. H. Meador, Jr. 2,531,341, Nov. 21.
Friction member. C. E. Tack. 2,529,235, Nov. 7.
Friction reducing device for machine tools. F. W. Turrettini. 2,526,518, Oct. 17.
Friction sash holder. G. Steingruber. 2,526,170, Oct. 17.
Friction shock absorber. S. B. Haseltine. 2,532,363, Dec. 5.
Friction shock absorber for railway car trucks. G. E. Dath. 2,525,871, Oct. 17.
Friction shock absorber for railway car trucks. G. E. Dath. 2,532,358, Dec. 5.
Friction shock absorber for railway car trucks. E. G. Forssell. 2,525,885, Oct. 17.
Friction shock absorbing mechanism. G. E. Dath and C. A. Anderson. 2,521,834, Sept. 12.
Friction shock absorbing mechanism. A. E. Dentler. 2,501,889, Mar. 28.
Friction shock absorbing mechanism. S. B. Haseltine. 2,527,676, Oct. 31.
Friction shock absorbing mechanism. R. J. Olander. 2,504,275, Apr. 18.
Friction shock absorbing mechanism. K. Williams. 2,517,749, Aug. 8.
Friction shock absorbing mechanism for railway cars. G. E. Dath. 2,516,300, July 25.
Friction shock absorbing mechanism for railway draft riggings. G. E. Dath. 2,501,888, Mar. 28.
Friction shock absorbing mechanism for railway draft riggings. S. B. Haseltine. 2,527,675, Oct. 31.
Frictional apparatus. S. K. Wellman. 2,519,865, Aug. 22.
Frictional increasing device of motor vehicles. C. A. Feather. 2,494,039, Jan. 10.
Friedel-Crafts catalyst, Preparing a. H. G. Schutze. 2,515,138, July 11.
Friedel-Crafts catalyzed low-temperature polymerization of isoolefins, The. F. A. Howard and A. D. Green. 2,507,105, May 9.
Frit suspension and making and applying. S. G. Tinsley. 2,526,299, Oct. 17.
Frog gig. J. F. Hearndon. 2,529,938, Nov. 14.
Front construction for automobile steel bodies. J. H. Wernig and A. A. Cripps. 2,520,074, Aug. 22.
Front end implement supporting and adjusting mechanism. A. G. Gurries. 2,530,577, Nov. 21.
Front feed device. W. R. Moore. 2,525,266, Oct. 10.
Front for domestic heating furnaces, Protective and air feeding. R. C. Jaye. 2,506,643, May 9.
Front-wheel suspension. J. H. Booth. 2,521,335, Sept. 5.
Frost removing tool. R. E. Hammond. 2,511,161, June 13.
Frosted food cabinet. C. S. Raffa. 2,523,593, Sept. 26.
Froth flotation apparatus. P. L. Wigton. 2,502,497, Apr. 4.
Froth flotation apparatus. H. M. Wright. 2,494,602, Jan. 17.
Froth flotation beneficiating material containing dolomite or magnesite. T. Heilmann. 2,507,012, May 9.
Froth flotation of calcite containing dolomite or magnesite. T. Heilmann. 2,507,013, May 9.
Froth flotation of iron ores, including use of alkali phosphate. E. C. Herkenhoff. 2,496,050, Jan. 31.
Froth flotation of sulfide ores. R. Carvajal and J. J. Quiroga. 2,512,715, June 27.
Froth flotation of sulfide ores. A. H. Fischer. 2,501,269, Mar. 21.
Frozen confections, Manufacturing. C. L. Bernards, R. Bernards and P. Bernards. 2,495,403, Jan. 24.
Frozen confections, Method and apparatus for making. M. B. Rasmusson. 2,535,231, Dec. 26.
Frozen lobster method. W. M. Altenburg. 2,501,655, Mar. 28.
Fruit and making the same. Dietary frozen. C. A. Weast. 2,511,609, June 13.
Fruit catcher. W. Langford. 2,509,569, May 30.
Fruit feeding and orienting machine. W. D. Peel. 2,496,019, Jan. 31.
Fruit gatherer. K. W. MacKenzie. 2,519,678, Aug. 22.
Fruit-grading apparatus. J. F. T. Zondagh. 2,522,917, Sept 19.
Fruit guiding apparatus. J. Albertoli. 2,524,248, Oct. 3.
Fruit handling machine. F. H. Luhdorff and A. R. Thompson. 2,502,797, Apr. 4.
Fruit juice extractor. F. N. Mariani. 2,507,312, May 9.
Fruit juice extractor. J. J. Mitnick. 2,526,258, Oct. 17.
Fruit mixing tank. R. Kennedy, Jr. 2,493,249, Jan. 3.
Fruit packer. H. D. Pinkstaff. 2,521,090, Sept. 5.
Fruit picker. D. Barkschat. 2,516,540, July 25.
Fruit picker. J. F. George. 2,516,622, July 25.
Fruit picking device. W. E. Scott. 2,508,805, May 23.

Fruit picking device, Portable. J. C. and M. E. Lehman. 2,535,542, Dec. 26.
Fruit press. G. F. Kahre. 2,534,554, Dec. 19.
Fruit processing, Citrus. J. A. Bruce. 2,510,679, June 6.
Fruit product, Citrus. J. A. Bruce. 2,509,904, May 30.
Fruits and vegetables, Treatment of. D. E. Pryor and J. C. Baker. 2,531,463, Nov. 28.
Fryer, Deep fat. J. F. Dawson. 2,535,905, Dec. 26.
Frying and basting of eggs, Automatic. K. E. Bemis, 2,517,167, Aug. 1.
Frying apparatus, Deep fat. P. M. Pappas. 2,528,776, Nov. 7.
Frying pan cover. L. J. Willette. 2,510,196, June 6.
Fuel and its production, Solidified liquid. H. N. Holmes. 2,504,196, Apr. 18.
Fuel and similar hydrocarbon fractions, Desulfurizing Diesel. J. E. Ford, Jr. 2,528,587, Nov. 7.
Fuel, Antidetonant. C. H. Van Hartesveldt. 2,504,361, Apr. 18.
Fuel burning apparatus. M. H. Kuhner. 2,498,761, Feb. 28.
Fuel burning apparatus involving a multiple sump pot type burner, Liquid. M. Resek. 2,524,139, Oct. 3.
Fuel burning apparatus with access means, Liquid. W. J. Duff. 2,515,640, July 18.
Fuel burning system, Pressure atomizing liquid. F. W. Ofeldt. 2,515,929, July 18.
Fuel compositions. A. Wachter and N. Stillman. 2,514,018, July 4.
Fuel conditioning device. L. D. Boyce. 2,518,657, Aug. 15.
Fuel conserving combustion gas offtake system for forced-draft furnaces. L. Serafini. 2,524,087, Oct. 3.
Fuel control apparatus. L. A. Williams, Jr. 2,507,130, May 9.
Fuel control for aviation gas turbine power plants. R. A. Neal and C. L. Sadler, Jr. 2,506,611, May 9.
Fuel control system for aircraft gas-turbine power plants. D. H. Ballantyne and A. Jubb. 2,519,624, Aug. 22.
Fuel control valve. J. L. Junkin. 2,532,847, Dec. 5.
Fuel feed control for oil burners. H. B. Holthouse. 2,529,942, Nov. 14.
Fuel control, Gas turbine tail burner. W. S. Bobier, Jr. 2,498,939, Feb. 28.
Fuel control means, Engine. L. E. Endsley and J. E. Justus. 2,496,458, Feb. 7.
Fuel control system for injection type internal-combustion engines. M. Mallory. 2,507,415, May 9.
Fuel control system for pilots and main burners. W. A. Ray. 2,520,960, Sept. 5.
Fuel control valve. J. Harding, Jr. 2,502,256, Mar. 28.
Fuel controlling apparatus for longitudinally movable combustion chambers. R. H. Goddard. 2,496,710, Feb. 7.
Fuel, Diesel. F. V. Cook. 2,496,444, Feb. 7.
Fuel, Diesel. M. P. Kleinholz. 2,506,089, May 2.
Fuel, Diesel. D. R. Stevens. 2,495,555, Jan. 24.
Fuel, Diesel. A. B. Wilder. 2,523,672. Sept. 26.
Fuel, Diesel engine. A. Farkas. 2,493,284, Jan. 3.
Fuel, Diesel engine. C. C. Moore and P. W. Fischer. 2,527,889, Oct. 31.
Fuel feed for smoke generators, Uniform. M. H. Lipton. 2,515,455, July 18.
Fuel feeding and accessory system, Combined. J. R. Oishei. 2,512,286, June 20.
Fuel feeding and cooling construction for rotating combustion chambers. R. H. Goddard. 2,518,881, Aug. 15.
Fuel flow control, Pilot. R. W. Johnson. 2,496,214, Jan. 31.
Fuel flow control for internal-combustion engines. P. W. Bedale and J. O. P. Hughes. 2,529,900, Nov. 14.
Fuel for internal-combustion spark ignition engines. H. Boardman. 2,506,539, May 2.
Fuel, Gaseous. S. H. White. 2,513,768, July 4.
Fuel gases, Production of. W. G. Scharmann. 2,527,154, Oct. 24.
Fuel handling and firing system. D. V. Sherban. 2,511,017, June 13.
Fuel having improved knock qualities. E. C. Hughes and M. H. Campbell. 2,529,496, Nov. 14.
Fuel in internal-combustion engines, Saving. A. Weiss. 2,528,983. Nov. 7.
Fuel injecting means for motors. L. Le Bozec and G. Gautier. 2,535,937, Dec. 26.
Fuel injection apparatus. H. Hogeman. 2,534,553, Dec. 19.
Fuel injection apparatus and control. J. F. Campbell. 2,530,507, Nov. 21.
Fuel injection device. D. E. Meitzler. 2,496,804, Feb. 7
Fuel injection device for Diesel engines. E. Rathbun. 2,502,989, Apr. 4.
Fuel injection device for internal-combustion engines. P. W. Bedale and J. O. P. Hughes. 2,525,635, Oct. 10.
Fuel, Injection engine. G. H. Denison, Jr., and J. E. Hanson. 2,521,698, Sept. 12.
Fuel injection engine. A. F. Sanders. 2,497,802, Feb. 14.
Fuel injection for internal-combustion engines. J. E. Tillet. 2,503,642, Apr. 11.
Fuel injection pump. D. J. Deschamps. 2,531,202, Nov. 21.
Fuel injection pump. D. J. Deschamps and D. C. Clarke. 2,519,893, Aug. 22.
Fuel injection pump. F. Haut and W. Friedlander. 2,517,483, Aug. 1.
Fuel injection pump. H. Hogeman and F. S. Coe. 2,518,473, Aug. 15.
Fuel injection pump. J. T. Marshall and H. S. Bower. 2,517,008, Aug. 1.
Fuel injection pump. F. A. Thaheld. 2,503,458, Apr. 11.
Fuel injection system. L. O. French. 2,516,691, July 25.
Fuel injection system. D. E. Meitzler. 2,501,073, Mar. 21.
Fuel injection system. A. L. Stanley. 2,502,679, Apr. 4.
Fuel injection system for internal-combustion engines. E. S. L. Beale. 2,527,615, Oct. 31.
Fuel injection system, Supplementary. D. E. Anderson. 2,525,576, Oct. 10.
Fuel injection system, Timed. H. S. Robinson. 2,516,147, July 25.
Fuel injector. L. O. French. 2,516,692, July 25.
Fuel injector. W. H. Mashinter. 2,530,128, Nov. 14.
Fuel injector, Automatic. L. O. French. 2,516,690, July 25.
Fuel injector for Diesel engines. J. B. Ziegler. 2,503,186, Apr. 4.
Fuel injector, Pilot. G. S. Kammer. 2,521,224, Sept. 5.
Fuel, Jet combustion. D. P. Heath. 2,501,124, Mar. 21.
Fuel manufacture involving extraction with liquid HF, Distillate. N. Fragen. 2,525,813, Oct. 17.
Fuel metering, distribution, and control means. A. C. Peterson. 2,522,890, Sept. 19.
Fuel mixer. J. F. Gohn. 2,527,006, Oct. 24.
Fuel mixing device. F., and P. J. Brousseau. 2,522,743, Sept. 19.
Fuel mixture, Gaseous. S. H. White. 2,494,219, Jan. 10.
Fuel mixtures, Gaseous. S. H. White. 2,513,769–70, July 4.
Fuel, Motor. C. B. Biswell and G. A. Sayers. 2,512,297, June 20.
Fuel oil composition. J. B. R. Caron, C. Wies, and E. B. Glendenning. 2,527,987, Oct. 31.
Fuel oil composition. C. Wies, J. B. R. Caron, and E. B. Glendenning. 2,524,864, Oct. 10.
Fuel oil tank intake box. A. G. Caruolo. 2,533,766, Dec. 12.
Fuel preheater. J. Rodnesky. 2,528,081, Oct. 31.
Fuel pump. D. E. Meitzler. 2,501,074, Mar. 21.
Fuel pump. C. F. Schorn. 2,514,674, July 11.
Fuel pump. C. W. Van Ranst and W. D. Smith. 2,529,204, Nov. 7.
Fuel pump mounting. F. W. Kateley. 2,530,357, Nov. 14.
Fuel pump mounting. A. C. Korte. 2,500,834, Mar. 14.
Fuel pump mounting. A. C. Korte. 2,527,827, Oct. 31.
Fuel quantity control, Pressure operated. D. E. Meitzler. 2,523,386, Sept. 26.
Fuel servicing unit, Airplane. J. V. Short. 2,531,001, Nov. 21.
Fuel, Stabilized motor. T. B. Tom. 2,506,847, May 9.
Fuel supply apparatus for internal-combustion engines. M. J. Berlyn and J. J. Broderick. Re. 23,268, Sept. 19.
Fuel supply control valve. B. Hayter and M. D. Huston. 2,509,819, May 30.
Fuel supply for motor vehicles, boats, etc., Emergency. V. Fresolone. 2,521,576, Sept. 5.
Fuel supply regulating and modifying apparatus. R. H. Floyd. 2,503,943, Apr. 11.
Fuel supply system. M. E. Chandler. 2,506,995, May 9.
Fuel supply system for continuous combustion turbine type aircraft. F. H. Carey, 2,530,649, Nov. 21.
Fuel supply system for engines. G. H. Everest. 2,504,670, Apr. 18.
Fuel supply system for internal-combustion engines. S. G. Hooker and D. H. Ballantyne. 2,517,313, Aug. 1.
Fuel supply system, Liquid. R. J. Ifield. 2,519,658, Aug. 22.
Fuel supply to multizone heating furnaces, Controlling. F. S. Bloom. 2,523,644, Sept. 26.
Fuel system. D. J. Jordan. 2,519,968, Aug. 22.
Fuel system, Aircraft. D. Samiran. 2,516,149, July 25.
Fuel system and cooling means, Internal-combustion engine. A. W. Reed. 2,501,739, Mar. 28.
Fuel system, Continuous flow multiple tank. D. Samiran. 2,516,150, July 25.
Fuel system, High altitude. L. G. Burns. 2,513,992, July 4.
Fuel tank. R. H. Davies. 2,528,499. Nov. 7.
Fuel tank bowl connection. A. H. Berger. 2,532,595, Dec. 5.
Fuel tank lock. J. T. Abbas. 2,529,361, Nov. 7.
Fuel valve. C. T. Young. 2,515,068, July 11.
Fueling device, Airplane fuel tank. J. R. Snyder. 2,508,626, May 23.
Fueling system, Airport. R. L. Holdridge. 2,507,597, May 16.
Fueling system, Airport. J. E. Knight. 2,525,074, Oct. 10.
Fuels by alkylation, Production of motor. S. H. McAllister and E. F. Bullard. 2,505,644, Apr. 25.
Fuels, Production of aviation or motor. D. A. Howes and T. Tait. 2,534,025, Dec. 12.
Fulcrum for loose-leaf binders. J. B. Stuercke. 2,505,694, Apr. 25.
Fuels, Leaded motor. A. R. Jones. 2,501,678, Mar. 28.
Fuels, Motor. W. A. Partridge and H. J. Alty. 2,528,605, Nov. 7.
Fuels, Motor and aviation. W. A. Partridge and H. J. Alty. 2,513,669, July 4.

Fulcrum for car door locking means. A. E. Zimmer and W. F. Batho. 2,497,284, Feb. 14.
Fulcrum for dental forceps, Attachable. W. M. Brantley. 2,497,254, Feb. 14.
Full stroke mechanism. H. I. Richardson. 2,496,494, Feb. 7.
Full-wave noise-peak and output limiter. E. Toth. 2,493,045, Jan. 3.
Full-wave rectifier tube. C. N. Smyth. 2,505,010, Apr. 25.
Fumaric acid, Producing. D. Levin. 2,494,049, Jan. 10.
Fumaric acid, The preparation of. L. W. Newton. 2,500,260, Mar. 14.
Fumigant comprising 1,3-dichloropropene and 1,2-dichloropropane, Soil. W. Carter. 2,502,244, Mar. 28.
Fumigating compositions, Pesticidal or insect-repellant. J. Taylor and J. M. Holm. 2,532,349, Dec. 5.
Function generator. E. Ackerlind and C. R. Williams. 2,522,333, Sept. 12
Fungicidal composition. S. L. Hopperstead. 2,530,770, Nov. 21.
Fungicidal composition comprising a copper acetylide. M. W. Swaney. 2,521,424, Sept. 5.
Fungicidal composition comprising a 4,5-pyrazoledione-4-oxime. B. A. Hunter and N. K. Sundholm. 2,510,696, June 6.
Fungicidal composition comprising a 3-phenyl-2,4-thiazoledione. N. K. Sundholm and J. B. Skaptason. 2,510,725, June 6.
Fungicidal composition comprising a 2,4,5-trichlorophenyl chloroacetate. C. L. Moyle and R. H. Gruenhagen. 2,508,335, May 16.
Fungicidal composition containing gentian violet, Therapeutic. C. E. Folsome and H. O. Singher. 2,511,838, June 20.
Fungicidal compositions, Resinous. H. A. Bruson. 2,497,927, Feb. 21.
Fungicidal nicotinium salt compositions. L. Weil, C. F. Woodward, F. L. Howard, and H. L. Keil. 2,524,094, Oct. 3.
Fungus enzyme production. G. A. Jeffreys. 2,505,360, Apr. 25.
Funnel and inverted discharging bottle thereabove, with means to stop flow into funnel, Combined. W. R. White. 2,502,298, Mar. 28.
Funnel, Spinning. C. Hatfield. 2,503,821, Apr. 11.
Funnel with supporting element having means for fitting different sized filling spouts. M. T. Bentzen. 2,517,759, Aug. 8.
Fur stretcher. C. H. Olds. 2,529,783, Nov. 14.
Furfuralacetofuran, Hydrogenated. K. Alexander. 2,532,279, Dec. 5.
Furfural condensation products. J. R. Dudley. 2,515,116, July 11.
Furfural purification. R. G. Boatright, Jr., M. O. Kilpatrick, and W. S. Derrick. 2,523,554, Sept. 26.
Furfuraldehyde-acetonyl acetone reaction product and method. M. T. Harvey and S. Caplan. 2,516,317, July 25.
Furfuryl alcohol resinous product, Making a. P. L. McWhorter. 2,499,275, Feb. 28.
Furfuryated urea resins and preparation. F. J. Carlin, Jr. 2,510,496, June 6.
Furnace: *See*—
- Air and water heating furnace.
- Annealing furnace.
- Boiler furnace.
- Continuous circular ingot-heating furnace.
- Convection and forced draft air flow and combustion air heating furnace.
- Cupola furnace.
- Cupola type furnace.
- Downdraft furnace.
- Drum type induction furnace.
- Drying furnace.
- Electric furnace.
- Electric glass furnace.
- Electric ladle furnace.
- Electric salt bath furnace.
- Electric tilting furnace.
- Floor furnace.
- Gas-fired muffle furnace.
- Heating furnace.
- Hopper bottom furnace.
- Hot-air furnace.
- Induction furnace.
- Liquid bath furnace.
- Liquid fuel furnace.
- Magazine feed furnace.
- Metallurgical furnace.
- Mineral wool furnace.
- Oil well furnace.
- Phosphorus combustion furnace.
- Pit-type furnace.
- Portable hydrocarbon furnace.
- Reactor furnace.
- Regenerative furnace.
- Salt bath quenching furnace.
- Shaft furnace.
- Smelting furnace.
- Submerged resistor induction furnace.
- Tile furnace.
- Tilting induction furnace.
- Tilting type electric induction furnace.
- Tube cracking furnace.
- Tubular air heating furnace.
- Vertical loop furnace.
- Vertical tuyère-type furnace.
- Water-cooled furnace.

Furnace. D. Bumstead, Jr. 2,494,608, Jan. 17.
Furnace. D. P. Cooper. 2,502,827, Apr. 4.
Furnace. E. W. Davis. 2,520,384, Aug. 29.
Furnace. J. Frei, Jr. 2,525,407, Oct. 10.
Furnace. F. W. Haywood and D. S. Laidler. 2,493,246, Jan. 3.
Furnace. W. K. McCready and A. Schormuller. 2,493,304, Jan. 3.
Furnace. V. J. Nelson. 2,514,666, July 11.
Furnace. E. D. Sevenich. 2,507,274, May 9.
Furnace. L. J. Weber. 2,528,564, Nov. 7.
Furnace and controller, Gaseous reaction. M. Eaton and W. E. Barker. 2,521,207, Sept. 5.
Furnace and heating method. D. P. Cooper and E. D. Sevenich. 2,502,828, Apr. 4.
Furnace and method of burning fuel having a low sintering temperature, Magazine. G. E. Edling. 2,504,508, Apr. 18.
Furnace and operating the same, Open-hearth. R. B. Sosman. 2,494,415, Jan. 10.
Furnace and operating the same, Regenerative. C. M. Nichols. 2,501,476, Mar. 21.
Furnace bottoms, Making basic. W. S. Debenham. 2,504,185, Apr. 18.
Furnace burner mount. E. R. Downe. 2,531,261, Nov. 21.
Furnace charging machine. H. W. Ball. 2,508,088, May 16.
Furnace combustion chamber closure with fluid jet gas escape prevention means. E. H. Selnick. 2,528,671, Nov. 7.
Furnace comprising coking and combustion grate. J. A. Worsham. 2,524,868, Oct. 10.
Furnace cone of separable construction. J. W. Throckmorton. 2,512,396, June 20.
Furnace construction. R. C. Wright. 2,533,658, Dec. 12.
Furnace construction, Blast. S. P. Kinney and L. M. Hartwick. 2,507,257, May 9.
Furnace construction for fluid fuel fired air-heating furnaces. H. J. Gates. 2,501,041, Mar. 21.
Furnace control, Arc. L. A. Trofimov. 2,518,580, Aug. 15.
Furnace door. E. R. Richards. 2,512,439, June 20.
Furnace doorframe. H. W. Wilson. 2,503,895, Apr. 11.
Furnace electrode regulator. W. E. Moore. 2,517,527–8, Aug. 1.
Furnace for alternative forced and convection air flows, Air-heating. W. F. Crell. 2,532,089, Nov. 28.
Furnace for and method of heating flowing media. J. A. Schuurman. 2,500,499, Mar. 14.
Furnace for baking ovens. W. L. Mueller, C. J. Rundquist, and C. R. Skarin. 2,508,866, May 23.
Furnace for bimetallic castings. S. Kail. 2,511,068, June 13.
Furnace for burning comminuted fuel, including tangential air feed. G. T. Lester, Sr. 2,518,800, Aug. 15.
Furnace for hot-air and water space heating with domestic water heater. W. I. Riu. 2,533,508, Dec. 12.
Furnace for melting metals and alloys. P. M. Hulme. 2,497,125, Feb. 14.
Furnace for melting metals, Reverberatory. W. F. Sklenar. 2,510,352, June 6.
Furnace for phosphate reduction, Electric. S. A. Hardin. 2,509,228, May 30.
Furnace for production of magnesium, Electric. V. J. Melsted. 2,516,474, July 25.
Furnace for the production of nitric oxide from air. R. D. Pike. 2,512,259, June 20.
Furnace for tobacco barns, Refractory. R. B. Williamson. 2,535,883, Dec. 26.
Furnace front wall construction for use with spreader stokers. E. C. Miller. 2,501,734, Mar. 28.
Furnace fuel feeder control system. P. S. Dickey. 2,530,117, Nov. 14.
Furnace having multiple gas burners and air deflector. W. R. Dalzen. 2,516,619, July 25.
Furnace having scroll type heat exchanger, Forced air. F. R. Higley. 2,533,458, Dec. 12.
Furnace having thermally controlled fuel and air supply means, Solid fuel. G. W. Crise. 2,528,037, Oct. 31.
Furnace, including ashpit air pressure responsive grate dumping means. H. O. Bowsman. 2,498,787, Feb. 28.
Furnace loading and discharge mechanism. L. B. Rosseau. 2,525,727, Oct. 10.
Furnace of the rotary grate progressive feed type, Solid fuel. C. T. Denker and A. T. Johanson. 2,501,763, Mar. 28.
Furnace refractory support. C. E. Towner. 2,517,258, Aug. 1.
Furnace roof, Suspended. R. P. Heuer. 2,529,607, Nov. 14.
Furnace tilting and adjusting mechanism, Arc. E. Thys. 2,529,319, Nov. 7.
Furnace with automatically controlled air by-pass for preventing condensation, Air-heating. O. W. Ott. 2,521,866, Sept. 12.
Furnace with internal air chamber, Forced air flow oil burning air heating. C. H. Melton. 2,518,629, Aug. 15.
Furnace with jet cooling. R. L. Hasche. 2,533,457, Dec. 12.
Furnace with movable tube suspension means, Multiple tube gas heating. R. Ruegg. 2,524,637, Oct. 3.
Furnace with oil burners, Regenerative ingot-heating. F. S. Bloom. 2,504,379, Apr. 18.
Furnace with reciprocable grate and draft control, Stoker fired. G. C. Molotzak. 2,512,236, June 20.
Furnace with removable heater unit, Floor. C. B. Richardson. 2,508,889, May 23.
Furnace with separable burner assembly rings therefor, Oil burning. E. R. Baker. 2,494,374, Jan. 10.
Furnaces, Cross tube straddle type of steam generator. J. P. Badenhausen. 2,511,794, June 13.
Furniture. T. O. Marini. 2,512,662, June 27.

Furniture, Combination. V. E. Johnson. 2,497,001, Feb. 7.
Furniture corner protector. W. G. Anderson, Jr. 2,509,468, May 30.
Furniture leg. D. A. Wallance. 2,527,603, Oct. 31.
Furniture leg, Collapsible. C. Ledel. 2,497,552, Feb. 14.
Furniture leg connection for channel frames. D. A. Wallance. 2,516,933, Aug. 1.
Furniture leg mounting clamp. G. N. Kelly. 2,522,827, Sept. 19.
Furniture, Nursery. C. R. and A. E. Curr. 2,524,099, Oct. 3.
Furoimidazoles, Preparing substituted. K. Hofman. 2,520,404, Aug. 29.
Furrow opener and fertilizer tube attachment for planters. A. T. Brunner. 2,515,368, July 18.
Fuse. D. L. Baxter. 2,532,078, Nov. 28.
Fuse. R. L. Grauman and W. J. Donahue, Jr. 2,495,717. Jan. 31.
Fuse. J. B. Hatcher. 2,515,040, July 11.
Fuse. C. C. Lauritsen. 2,498,043, Feb. 21.
Fuse. L. K. Liljegren. 2,516,890, Aug. 1.
Fuse. L. Ludwig. 2,506,304, May 2.
Fuse. J. S. Messer and D. L. Davis. 2,497,227, Feb. 14.
Fuse. J. B. Owens. 2,523,139, Sept. 19.
Fuse. R. S. Sperry. 2,503,519, Apr. 11.
Fuse. W. Summerbell. 2,504,163, Apr. 18.
Fuse. P. H. Thompson. 2,495,431–2, Jan. 24.
Fuse. P. S. Williams and B. W. Sewell. 2,515,066, July 11.
Fuse, Aircraft bomb. J. C. Byrnes, Jr. 2,529,483, Nov. 14.
Fuse, All angle of impact inertia. C. L. Wellington. 2,513,536, July 4.
Fuse block and receptacle mounted on bus bars. J. M. Wallace and A. W. Edwards. 2,524,004, Sept. 26.
Fuse, Bomb. H. H. Moore. 2,505,000, Apr. 25.
Fuse combination with replaceable fuse element. F. A. Gretschel. 2,512,932, June 27.
Fuse, Combined. W. Weiss. 2,493,278, Jan. 3.
Fuse construction. C. H. Baker. 2,517,624, Aug. 8.
Fuse construction. H. V. Dryer. 2,500,808, Mar. 14.
Fuse construction. W. O. Schultz. 2,519,078, Aug. 15.
Fuse construction. A. G. Steinmayer and W. O. Schultz. 2,509,892, May 30.
Fuse construction, Circuit-faulting. R. R. Pitman. 2,501,963, Mar. 28.
Fuse construction, High-voltage. R. R. Pittman. 2,498,575, Feb. 21.
Fuse construction, Tensioned. H. M. Chase. 2,497,257, Feb. 14.
Fuse, Delay action. M. S. Kharasch and F. H. Westheimer. 2,514,499, July 11.
Fuse, Delayed-action electric flare. N. J. Oliver 2,501,082, Mar. 21.
Fuse, Detonating. R. L. Graumann. 2,494,549, Jan. 17.
Fuse device for high-voltage circuits. H. Kott. 2,526,370, Oct. 17.
Fuse, Electric. A. J. Lowe and A. M. U. Caldwell. 2,506,229, May 2.
Fuse, Electric. L. L. Parker. 2,511,872, June 20.
Fuse, Electric. A. M. Popp. 2,502,747, Apr. 4.
Fuse for bombs. L. T. Meister. 2,520,949, Sept. 5.
Fuse for bombs. L. T. Meister. 2,521,739, Sept. 12.
Fuse for bombs and other missiles or projectiles. A. H. Midgley and D. R. Ashworth. 2,516,234, July 25.
Fuse for hand grenades. E. M. Shinkle. 2,512,179, June 20.
Fuse, Fulminating. H. Selvidge. 2,498,050, Feb. 21.
Fuse holder and circuit disconnect device. W. P. Keller. 2,502,856, Apr. 4.
Fuse, Hydraulic. E. C. Hartley and H. B. Carbon. 2,518,988, Aug. 15.
Fuse, Hydrostatic. G. O. Rockwell. 2,532,645, Dec. 5.
Fuse igniting and connecting means. J. D. Rich. 2,535,518, Dec. 26.
Fuse lead for electric lamps. J. A. M. van Liempt. 2,494,917, Jan. 17.
Fuse links, Manufacturing. J. L. Yonkers. 2,493,434, Jan. 3.
Fuse link stick, Automatically released. H. C. Halvorson. 2,514,489, July 11.
Fuse, Mechanical time. J. Fink. 2,531,121, Nov. 21.
Fuse, Mechanical time. J. Fink and L. Hebbeln. 2,528,823, Nov. 7.
Fuse, Multiple element. F. J. Roukos, Jr. 2,497,470, Feb. 14.
Fuse or heat exploded link. R. O. Ferguson. 2,530,051, Nov. 14.
Fuse plug. B. C. Dillon. 2,501,996, Mar. 28.
Fuse plug. G. E. Holmes. 2,498,124, Feb. 21.
Fuse plug. F. Loporto. 2,505,193, Apr. 25.
Fuse, Plug type. E. H. Taylor. 2,527,160, Oct. 24.
Fuse powder and fuses, Manufacture of. H. Zenftman. 2,497,387, Feb. 14.
Fuse, Pressure armed. C. C. Lauritsen. 2,513,185, June 27.
Fuse, Pressure-armed impact fired. G. E. Breeze and L. A. Brockwell. 2,498,025, Feb. 21.
Fuse, Projectile. L. K. Liljegren. 2,524,060, Oct. 3.
Fuse, Proximity. M. G. Allison. 2,514,359, July 11.
Fuse, Renewable. A. Vischer, Jr. 2,522,473, Sept. 12.
Fuse, Renewable cartridge. W. J. Pflaum. 2,521,600, Sept. 5.
Fuse switch. J. L. Turner. 2,535,822, Dec. 26.
Fuse, Thermal time lag. G. A. Berthel. 2,532,081, Nov. 28.
Fuse, Waterproof. H. Zenftman. 2,513,391, July 4.
Fused collars, Production of. F. P. Greenspan and F. X. Nerney. 2,527,546, Oct. 31.
Fused electric plug. R. Philips. 2,528,971, Nov. 7.
Fusible element. J. H. Reger. 2,510,756, June 6.
Fusing material in a high partial vacuum, Method and apparatus for electronically. E. Zimmerman. 2,509,181, May 23.
Fusing together glass parts. W. A. Roovers. 2,512,971, June 27.
Gaff for fishing. A. Bønding. 2,506,407, May 2.
Gaff hook. C. E. and G. O. Johnson. 2,527,133, Oct. 24.
Gain control, Automatic. J. C. Coe. 2,515,196, July 18.
Gain control of an audio system, Automatic. W. W. H. Dean. 2,507,695, May 16.
Gain control system for facsimile scanning. H. E. Haynes. 2,506,668, May 9.
Gain control system for seismographs. G. B. Loper. 2,526,608, Oct. 17.
Galvanic anodes for cathodic protection, Packaged. J. G. Glesner and M. O. Robinson. 2,525,665, Oct. 10.
Galvanizing cylindrical tanks. R. S. Rheem and R. D. Patterson. 2,520,658, Aug. 29.
Galvanometer. C. A. Heiland. 2,535,065, Dec. 26.
Galvanometer. M. E. Morrow. 2,519,689, Aug. 22.
Galvanometer, Dynamic. E. W. Kellogg. 2,510,585, June 6.
Galvanometer movement, Differential. S. H. Towner. 2,498,726, Feb. 28.
Galvanometer, Vibration insensitive. H. Doll. 2,623,866, Sept. 26.
Game, Amusement. E. Connell. 2,514,029, July 4.
Game and ashtray, Combined miniature bowling. J. D. Nagel and W. Lang. 2,518,169, Aug. 8.
Game apparatus. J. C. Koci. 2,532,628, Dec. 5.
Game apparatus. O. L. Olson. 2,513,667, July 4.
Game apparatus, Ball and target. R. A. Felter. 2,525,881, Oct. 17.
Game apparatus, Baseball. J. L. Keller. 2,530,526, Nov. 21.
Game apparatus, Board. L. Howard. 2,495,007, Jan. 17.
Game apparatus, Chance. O. A. Roth. 2,530,082, Nov. 14.
Game apparatus, Practice golf. A. J. Jackson. 2,519,047, Aug. 15.
Game apparatus, Rolling ball. W. Boiko. 2,534,404, Dec. 19.
Game apparatus, Simulated racing. K. Kurose. 2,517,324, Aug. 1.
Game apparatus, Table. R. Bergerioux. 2,497,925, Feb. 21.
Game apparatus, Tether ball. K. A. Johnson. 2,496,795, Feb. 7.
Game apparatus used with two contrasting dice, Stock market board. H. O. Todd. 2,526,300. Oct. 17.
Game apparatus, Word. E. O. Brower. 2,521,775, Sept. 12.
Game, Ball. F. O. Gilliam, Jr., M. F. Portlock, Jr., and A. L. Branch. 2,506,867, May 9.
Gameball. W. A. and W. J. Sonnett. 2,495,079, Jan. 17.
Game, Ball projecting. H. Zimmerman. 2,511,090, June 13.
Game, Balloon. H. L. Findon. 2,504,818, Apr. 18.
Game, Baseball. W. F. Wolfe. 2,530,187, Nov. 14.
Game board. S. H. Keegan, G. Wroldsen, and J. M. Rhatigan. 2,522,275, Sept. 12.
Game board and cards adapted to be utilized therewith. W. A. Heacock. 2,531,510. Nov. 28.
Game board and disks for same, Grooved. L. W. Lowe, Sr. 2,494,301, Jan. 10.
Game board and playing pieces therefor, Recessed. M. C. Twining. 2,506,184, May 2.
Game board for spherical play pieces, Grooved. R. H. Seaman. 2,528,792, Nov. 7.
Game, Bombing. F. J. Bula. 2,531,608, Nov. 28.
Game, Combination. R. Urban. 2,533,904, Dec. 12.
Game, Dart. J. Malo. 2,527,683, Oct. 31.
Game device, Ball-actuated racing. E. Florimont. 2,526,215, Oct. 17.
Game device, Dice. J. H. Dawson. 2,526,123, Oct. 17.
Game device, Dice agitating. A. E. Ashleman. 2,511,092, June 13.
Game device, Gravity type rolling ball. W. J. Sanders. 2,522,133, Sept. 12.
Game device, Magnetic. C. R. Wolf. 2,528,938, Nov. 7.
Game device, Racing. E. D. Jones. 2,518,897, Aug. 15.
Game device with electrical scoring means. A. E. Werle and R. V. Mlick. 2,495,620, Jan. 24
Game, Educational. J. E. De Baun. 2,493,477, Jan. 3.
Game, Electrical educational question and answer. L. Miltenberg and J. L. Beckoff. 2,507,215. May 9.
Game, Electrically controlled baseball. E. P. Koppin. 2,494,248, Jan. 10.
Game, Fishing. E. S. Kelley. 2,496,096, Jan. 31.
Game, Golf ball putting. J. Anthony. 2,497,390, Feb. 14.
Game, Grammar. L. D. Northrop. 2,520,649. Aug. 29.
Game, Indoor football. E. T. Arnn. 2,517,460, Aug. 1.
Game, Manually tiltable educational ball. F. L. Jackson. 2,515,346, July 18.

Game, Marble. N. T. Boyle. 2,496,436, Feb. 7.
Game, Marble runway. L. Slutzker. 2,528,250, Oct. 31.
Game marker dispenser. S. C. McDonald and F. A. Rody. 2,520,321, Aug. 29.
Game, Mechanical baseball. D. B. Clark. 2,511,048, June 13.
Game missile. J. M. Edmund. 2,509,087. May 23.
Game, Moving target. G. Clifford. 2,510,380, June 6.
Game piece, Tossing. C. A. Shaffer. 2,506,815, May 9.
Game, Rotating disk. S. M. Bybee. 2,520,235, Aug. 29.
Game, Rotating table ball catching. C. E. Anderson. 2,499,557, Mar. 7.
Game, Simulated baseball. J. J. Braund. 2,521,500, Sept. 5.
Game, Simulated golf. V. A. Freeman. 2,509,634, May 30.
Game, Simulated hockey. P. Kohler. 2,507,258, May 9.
Game, Skimmer golf. E. J. Miller. 2,500,003, Mar. 7.
Game, Spin. E. R. Jones. 2,500,830, Mar. 14.
Game, Table. G. H. Hosmer. 2,500,683, Mar. 14.
Game, Table baseball. J. C. Mitchell. 2,534,468, Dec. 19.
Game, Token thrown. J. Armstrong. 2,509,666, May 30.
Gamma, gamma-dicarbalkoxy butyraldehydes and process. D. T. Warner and O. A. Moe. 2,520,666, Aug. 29.
Gamma-2-thenoyl-butyric acid, Substituted. D. H. Terry and C. W. Croco. 2,497,145, Feb. 14.
Gamma-valerolactone and gamma-butyrolactone as dyeing assistants for cellulos ester and ether yarns and fabrics. S. U. Shorey and G. W. Wright. 2,535,098, Dec. 26.
Gang form for casting blocks. K. C. Wissinger. 2,523,349, Sept. 26.
Gangway structure, Mobile ship-to-pier. M. J. Luther, Jr. 2,524,454, Oct. 3.
Garage, Automobile parking. V. C. Bowser. 2,511,619, June 13.
Garage door. O. L. Dautrick and S. J. Dautrick. 2,495,672, Jan. 24.
Garage door track. C. J. Veigel. 2,534,641, Dec. 19.
Garbage can container. M. W. Henry. 2,528,056, Oct. 31.
Garbage can holder. J. W. Cannon, 2,522,778, Sept. 19.
Garbage can holder. R. A. Welter. 2,503,531, Apr. 11.
Garbage can support. E. B. Nelson. 2,508,683, May 23.
Garbage disposal apparatus. R. L. Bissey. 2,534,944, Dec. 19.
Garbage receptacle. S. Bella. 2,495,505, Jan. 24.
Garbage slidable receptacle. C. Rose. 2,519,703, Aug. 22.
Garbage storage receptacle. C. L. Davis, Jr. 2,501,762, Mar. 28.
Garden hose holder. A. N. Grotz. 2,530,873, Nov. 21.
Garden tool. H. Clayden. 2,498,069, Feb. 21.
Garden tool. J. R. McCaskill. 2,497,506, Feb. 14.
Garment. M. I. Beitchman. 2,520,026, Aug. 22.
Garment. E. Buchler. 2,530,647, Nov. 21.
Garment. M. A. Elstrom and R. M. Pauly. 2,506,493, May 2.
Garment. M. R. Farrington. 2,530,606, Nov. 21.
Garment. I. Firestone. 2,522,356, Sept. 12.
Garment. M. Fligel. 2,500,982, Mar. 21.
Garment. B. P. Garrison. 2,511,977, June 20.
Garment. H. E. Goldstein. 2,505,239, Apr. 25.
Garment. J. M. Kahn. 2,527,258, Oct. 24.
Garment. M. Kahn. 2,527,137, Oct. 24.
Garment. H. Kantor. 2,501,818, Mar. 28.
Garment. L. H. Mendelson. 2,497,180, Feb. 14.
Garment. W. Mendl. 2,515,657, July 18.
Garment. S. G. Norvich. 2,507,382, May 9.
Garment. A. and R. M. Peitzman. 2,533,039, Dec. 5.
Garment. H. M. Plehn. 2,535,864, Dec. 26.
Garment. L. N. Reger. 2,513,108, June 27.
Garment. R. M. Reid. 2,535,018, Dec. 19.
Garment. F. Sider. 2,532,375, Dec. 5.
Garment. L. R. Spare. 2,505,219, Apr. 25.
Garment. G. E. Stiles. 2,524,609, Oct. 3.
Garment. R. R. Wellstatter. 2,519,866, Aug. 22.
Garment. S. Zecha. 2,521,767, Sept. 12.
Garment and collar construction. E. Goldson. 2,520,539, Aug. 29.
Garment and removable panty, Combined. H. M. Zywiecka. 2,506,324, May 2.
Garment attachment. R. I. Mullen. 2,518,631, Aug. 15.
Garment, Baby. E. V. Feeney. 2,524,221, Oct. 3.
Garment, Baby. M. L. Neal. 2,530,719, Nov. 21.
Garment, Baby sleeping. A. T. Kruse. 2,521,175, Sept. 5.
Garment, Baby's. J. Cohen. 2,509,674, May 30.
Garment bag. B. Corwin. 2,523,682, Sept. 26.
Garment bag. D. E. Lower. 2,502,732, Apr. 4.
Garment bag. N. L. Schwartzman. 2,534,380, Dec. 19.
Garment, Bifurcated. E. Slater. 2,519,202, Aug. 15.
Garment, Child's. J. M. Brennan. 2,520,357, Aug. 29.
Garment, Child's. M. G. Sladek and R. M. Proby. 2,502,393, Mar. 28.
Garment, Child's sleeping. R. W. Wilson. 2,528,677, Nov. 7.
Garment closure. J. J. Kispert. 2,511,437, June 13.
Garment closure. P. C. Macrides. 2,506,094, May 2.
Garment, Confining. J. A. Martin. 2,506,804, May 9.
Garment construction. M. Breier. 2,502,201, Mar. 28.
Garment construction. M. E. Davis. 2,517,289, Aug. 1.
Garment construction. R. V. Frazer. 2,494,292, Jan. 10.
Garment construction. B. Klein and C. Miller. 2,528,834, Nov. 7.
Garment construction. W. L. Roessner. Re. 23,225, May 2.
Garment construction and making same. P. Frankel. 2,534,863, Dec. 19.
Garment construction, Extensible-hem. B. Caplan. 2,508,223, May 16.
Garment cover. S. Meyer. 2,526,385, Oct. 17.
Garment, Cross stretch foundation. C. Brown. 2,523,678, Sept. 26.
Garment crotch, Foundation. B. Wohlman. 2,522,008, Sept. 12.
Garment, Diaper. H. Y. Lee. 2,500,255, Mar. 14.
Garment drier. E. S. Sublette. 2,521,100, Sept. 5.
Garment edge, more particularly for men's coats. A. J. C. Harper. 2,515,038, July 11.
Garment ensemble, Midriff attached. R. J. Muyleart. 2,493,545, Jan. 3.
Garment fastener. J. T. Avary. 2,500,506, Mar. 14.
Garment finisher, Bag type. A. R. Winter. 2,515,848, July 18.
Garment finisher, Superheated steam. E. C. Maurer. 2,530,067, Nov. 14.
Garment finishing apparatus. R. W. Brenner and J. R. Petre. 2,533,761, Dec. 12.
Garment finishing apparatus. J. H. Richa and F. E. Hanson. 2,513,427, July 4.
Garment finishing press. H. D. Forse. 2,505,107, Apr. 25.
Garment, Foundation. B. Frischer. 2,527,926, Oct. 31.
Garment, Foundation. J. Glosios. 2,507,593, May 16.
Garment, Foundation. H. Goldberg. 2,505,616, Apr. 25.
Garment, Foundation. J. Leonard and H. M. Ihsen. 2,493,722, Jan. 3.
Garment, Foundation. S. W. Thalman. 2,519,611, Aug. 22.
Garment, Foundation. M. H. Wittenberg. 2,523,409, Sept. 26.
Garment gripper for pressing machines. I. Epstein. 2,522,168, Sept. 12
Garment hanger. J. Anderson. 2,522,013, Sept. 12.
Garment hanger. M. T. Bacica. 2,522,595, Sept. 19.
Garment hanger. C. Badalamenti. 2,509,754. May 30.
Garment hanger. E. G. Brant. 2,510,375, June 6.
Garment hanger. J. J. Frankl. 2,504,514, Apr. 18.
Garment hanger. F. E. French. 2,496,088, Jan. 31.
Garment hanger. R. M. Frost. 2,501,167, Mar. 21.
Garment hanger. L. B. Glassmeyer. 2,500,817, Mar. 14.
Garment hanger. M. J. Gogol. 2,493,131, Jan. 3.
Garment hanger. T. E. Gray. 2,496,531, Feb. 7.
Garment hanger. J. H. Hammond, Jr. 2,529,294, Nov. 7.
Garment hanger. R. Joseph. 2,507,906, May 16.
Garment hanger. W. W. Keys. 2,510,587, June 6.
Garment hanger. H. Kusher and E. Weimann. 2,494,711, Jan. 17.
Garment hanger. E. L. and T. P. Lee. 2,495,335, Jan. 24.
Garment hanger. A. Levinson. 2,525,142, Oct. 10.
Garment hanger. C. P. and A. M. Longwell. 2,506,510, May 2.
Garment hanger. W. Ludwig. 2,503,829, Apr. 11.
Garment hanger. W. Ludwig. 2,505,127, Apr. 25.
Garment hanger. H. E. Mali and W. S. Reier. 2,500,641, Mar. 14.
Garment hanger. W. B. McAllister, Sr. 2,502,164, Mar. 28.
Garment hanger. M. W. McWhorter. 2,527,642, Oct. 31.
Garment hanger. R. Patrick. 2,513,424, July 4.
Garment hanger. R. L. Robertson. 2,529,742, Nov. 14.
Garment hanger. J. H. Rotheraine. 2,503,844, Apr. 11.
Garment hanger. C. G. A. Rydman. 2,512,810, June 27.
Garment hanger. L. Samuel. 2,531,894 Nov. 28.
Garment hanger. A. F. Schoepfer. 2,535,521, Dec. 26.
Garment hanger. W. E. Shane. 2,517,804, Aug. 8.
Garment hanger. S. J. Stanton. 2,499,536–8, Mar. 7.
Garment hanger. H. J. Thrush. 2,518,098, Aug. 8.
Garment hanger. L. L. Valentine. 2,532,969, Dec. 5.
Garment hanger. J. F. Winnemore. 2,500,729, Mar. 14.
Garment hanger. C. J. Wintergreen. 2,527,869, Oct. 31.
Garment hanger cover. M. G. Wordingham. 2,533,864, Dec. 12.
Garment hanger support. F. M. Wright. 2,524,743, Oct. 3.
Garment holder. J. Papalexis and O. W. Johnson. 2,524,396, Oct. 3.
Garment, Infant's. H. R. Ryan. 2,511,809, June 13.
Garment, Infant's. H. H. Segerman. 2,521,609, Sept. 5.
Garment, Infant's. M. T. Wolf. 2,531,716, Nov. 28.
Garment, Infant's sleeping. V. S. Peterson. 2,522,297, Sept. 12.
Garment, Infant's sleeping. M. B. Virtue. 2,496,922, Feb. 7.
Garment, Ladies'. A. Licht. 2,530,829, Nov. 21.
Garment lock. R. Ratzlaff. 2,527,850, Oct. 31.
Garment, Man's nether. R. S. Meggs. 2,493,822. Jan. 10.
Garment, Maternity. R. M. Smith. 2,507,463, May 9.
Garment, Multiple use woman's. M. E. Kendrick. 2,507,602, May 16.
Garment, Novelty. G. E. Fitches. 2,493,531, Jan. 3.
Garment or attachment for controlling the distribution, pressure, and circulation of body fluids. D. M. Clark and E. H. Wood. 2,495,316, Jan. 24.
Garment or garment lining with flexible inserts. M. Metzger. 2,500,084, Mar. 7.
Garment or the like. H. L. Williams. 2,517,748, Aug. 8.
Garment, Outer. B. A. Smith. 2,507,322, May 9.
Garment, Overall. U. S. Walker. 2,501,111, Mar. 21.

Garment, Pneumatic rupture control. G. L. Hicks, III. 2,493,406, Jan. 3.
Garment press. A. D. Benson. 2,509,626, May 30.
Garment press. H. D. Forse and R. E. Campbell. 2,516,054, July 18.
Garment press retainer. W. L. Payne. 2,524,989, Oct. 10.
Garment, Protecting. G. A. Selkirk. 2,516,598, July 25.
Garment protector. F. T. Pence. 2,521,250, Sept. 5.
Garment provided with ventilation openings, Waterproof. A. F. Weinstock. 2,505,451, Apr. 25.
Garment rack. A. M. Mendle. 2,533,324, Dec. 12.
Garment, Safety sleeping. K. Devin. 2,524,429, Oct. 3.
Garment, Separable. A. H. Evans. 2,515,082, July 11.
Garment, Shooting. H. O. Smith. 2,493,370, Jan. 3.
Garment, Slip-on. L. A. Spengler. 2,517,046, Aug. 1.
Garment structure. R. J. Thomas and W. H. Hochmuth. 2,527,973, Oct. 31.
Garment support. R. M. Brunson. 2,505,383, Apr. 25.
Garment support. B. A. Cook. 2,528,036, Oct. 31.
Garment support. J. De Grazia. 2,526,641, Oct. 24.
Garment support. D. P. Hunt and V. S. McCarthy. 2,496,473, Feb. 7.
Garment, Twin sheet sleeping. C. R. North. 2,525,713, Oct. 10.
Garment, Urinal collecting. G. E. Kurtz. 2,494,477, Jan. 10.
Garment with breathing sleeve action. I. I. Flasher. 2,532,702, Dec. 5.
Garment with crotch therefor, Foundation. B. Wohlman. 2,522,009, Sept. 12.
Garment with inner moisture-proof pants, Child's. C. Wolf. 2,522,421, Sept. 12.
Garment with trousers, Child's. J. Brennan. 2,523,416, Sept. 26.
Garments, Making. L. W. Dunlap. 2,508,331, May 16.
Garter. A. Williams. 2,523,852, Sept. 26.
Garter, Clasp. C. H. Neyer. 2,526,394, Oct. 17.
Garter, Combined drawers and shirttail. R. J. Tuck. 2,508,049, May 16.
Garter spring. A. M. Chambers, Jr. 2,515,629, July 18.
Gas absorber. B. P. Udale. 2,510,532, June 6.
Gas analysis. R. E. Fearon. 2,499,020, Feb. 28.
Gas analysis apparatus. W. M. Zaikowsky. 2,506,535, May 2.
Gas analysis, Method and apparatus for. W. P. Yant and H. N. Cotabish. 2,531,592, Nov. 28.
Gas analyzing apparatus. H. A. Hulsberg. 2,508,572, May 23.
Gas and air mixing device. E. M. Powell and V. Z. Caracristi. 2,520,692, Aug. 29.
Gas and liquid contact apparatus. J. E. Moul. 2,521,396, Sept. 5.
Gas and liquid separator. J. A. Campbell. 2,511,967, June 20.
Gas and liquid separator. H. J. Dyer. 2,515,202, July 18.
Gas and liquid separator. C. R. Neeson. 2,510,049, May 30.
Gas and oil separator. F. C. Dehn. 2,507,892. May 16.
Gas and oil separator. S. A. Miller. 2,525,233, Oct. 10.
Gas blast breaker with separately actuated blast valve and tank filling valve. G. E. Jansson. 2,521,460. Sept. 5.
Gas burner control. S. W. E. Andersson. 2,505,455, Apr. 25.
Gas burner flash tube. P. S. Harper, C. C. Lamar, and V. C. Peterson. 2,511,205, June 13.
Gas burner igniter. R. S. Taylor. 2,515,102, July 11.
Gas burner of the type in which combustion is accomplished in a refractory lined combustion chamber. F. O. Hess. 2,499,218, Feb. 28.
Gas burner safety device. B. H. Travis. 2,503,927, Apr. 11.
Gas burner with adjustable flame slot and central secondary air supply. N. E. Hill. 2,526,748, Oct. 24.
Gas-burning apparatus. J. S. Zink. 2,499,556, Mar. 7.
Gas cleaner. A. F. Nesbit. 2,502,474, Apr. 4.
Gas cleaning apparatus. H. A. Wintermute. 2,506,402, May 2.
Gas-cleaning means, especially for locomotives. C. C. Whittaker. 2,512,401, June 20.
Gas cock, Thermostatic. J. H. Grayson. 2,524,788, Oct. 10.
Gas composition revision. E. V. Harlow. 2,494,554, Jan. 17.
Gas compressing apparatus. H. R. Ricardo and A. T. Evans. 2,522,638, Sept. 19.
Gas constituency audible indicating device. V. Wouk and W. M. Brubaker. 2,499,806, Mar. 7.
Gas cylinder cabinet. P. W. McCloskey. 2,523,872, Sept. 26.
Gas detection. J. E. Bliss and O. R. Prather. 2,514,690, July 11.
Gas detector, Flammable. C. M. Page. 2,535,950, Dec. 26.
Gas discharge lamp. M. Pennybacker. 2,509,071, May 23.
Gas dispensing. W. C. Buttner. 2,499,354, Mar. 7.
Gas dispensing device with pilot valve controlled outlet valve. J. H. Stroop. 2,513,377, July 4.
Gas dissolving apparatus. P. H. Thompson. 2,531,655, Nov. 28.
Gas distributing system. P. Herber and W. C. Richardson. 2,497,169, Feb. 14.
Gas distributor for pebble heaters. R. R. Goins and D. S. Hall. 2,518,304, Aug. 8.
Gas drier. W. H. Dailey, Jr. 2,535,902, Dec. 26.
Gas drier. P. E. Geldhof. 2,503,330, Apr. 11.
Gas drier. P. E. Geldhof. 2,517,421, Aug. 1.
Gas feeding and metering apparatus. E. E. Harper. 2,499,917, Mar. 7.
Gas-filled rectifying tube. M. Kuipers. 2,520,218, Aug. 29.
Gas-filled tube circuit. B. F. Lewis. 2,532,728, Dec. 5.
Gas-filling and sealing vessels. J. M. van der Poel. 2,494,915, Jan. 17.
Gas filter. F. O. Hess. 2,513,174, June 27.
Gas-fired forced draft and air flow unit air heater. E. A. Norman, Jr. 2,519,496, Aug. 22.
Gas-fired muffle furnace. M. H. Tuttle. 2,494,530, Jan. 10.
Gas-flow control, Safety thermal. W. S. Thompson. 2,493,702, Jan. 3.
Gas flow indicator. F. P. Scully. 2,496,134, Jan. 31.
Gas fuel two-cycle internal-combustion engine. H. G. Hoover. 2,511,405, June 13.
Gas generating device. G. R. W. Matheson. 2,511,118, June 13.
Gas generator. S. P. J. Keinänen. 2,513,943, July 4.
Gas generator. H. Tobler, Jr. 2,531,657, Nov. 28.
Gas generator. E. R. Weaver. 2,516,934, Aug. 1.
Gas generator. E. R. Woodward. 2,507,132, May 9.
Gas-heated clothes drier. G. E. Mintner and A. R. Constantine. 2,498,172, Feb. 21.
Gas heater. H. F. B. Jorgensen. 2,528,312, Oct. 31.
Gas holder. J. W. Allen. 2,525,758, Oct. 17.
Gasholder. H. C. Boardman. 2,492,961, Jan. 3.
Gasholder, Balloon type. E. E. Michaels. 2,523,318, Sept. 26.
Gas liquefaction, Natural. H. C. Cooper. 2,500,118, Mar. 7.
Gas liquefaction process and apparatus. W. L. De Baufre. 2,520,626, Aug. 29.
Gas-lubricated bearing. J. A. Rawlins. 2,511,543, June 13.
Gas, Making. J. S. Haug. 2,505,894, May 2.
Gas meter casing. W. D. Wilson and D. C. E. Poole. 2,519,806, Aug. 22.
Gas meter valve. F. W. Korfmann. 2,493,880, Jan. 10.
Gas mixtures containing CO and H_2, Production of. A. Voorhies, Jr. 2,526,521, Oct. 17.
Gas-operated apparatus for pumping very cold liquids. R. H. Goddard. 2,526,221, Oct. 17.
Gas-operated means for driving rotating combustion chambers. R. H. Goddard. 2,507,970. May 16.
Gas-operated sound signal. A. Merola. 2,513,579, July 4.
Gas piston operated breechblock lock. B. Maillard. 2,501,069, Mar. 21.
Gas pressure regulator valve. F. Whitworth. 2,522,732, Sept. 19.
Gas probe of the thermocouple type. E. M. Moffatt. 2,496,807, Feb. 7.
Gas probe, Thermoelectric. R. S. Buck. 2,496,774, Feb. 7.
Gas processing for the synthesis of hydrocarbons. J. D. Hagy. 2,493,454, Jan. 3.
Gas proportioning apparatus. W. W. Kemp. 2,520,213, Aug. 29.
Gas purification process. J. A. Shaw. 2,524,088, Oct. 3.
Gas purifying apparatus. D. B. Crawford. 2,535,351, Dec. 26.
Gas purifying burner. C. B. Schneible and C. C. Hermann. 2,521,541, Sept. 5.
Gas purifying method and apparatus. I. Roberts. 2,534,478, Dec. 19.
Gas range structures. B. Pratt. 2,521,092. Sept. 5.
Gas regenerator. J. R. Holmes, H. F. May, and J. R. Hayden. 2,526,135. Oct. 17.
Gas safety burner. R. E. Newell. 2,499,073, Feb. 28.
Gas safety valve. A. R. Hanson. 2,529,770. Nov. 14.
Gas saving device. A. C. Olan. 2,535,449, Dec. 26.
Gas separation method and apparatus. I. Roberts and D. B. Crawford. 2,524,397. Oct. 3
Gas separator. G. L. Foreman. 2,509,817, May 30.
Gas shielded induction fusion welding process. B. R. King. 2,528,758, Nov. 7.
Gas-solid contact apparatus. K. M. Watson. 2,530,558, Nov. 21.
Gas-solid contact process. E. V. Bergstrom. 2,493,218, Jan. 3.
Gas storage and supply, Liquefied. S. C. Marsh. 2,499,403–4, Mar. 7.
Gas storage system, Liquefied. M. W. Lee. 2,535,364, Dec. 26.
Gas temperature probe of the thermocouple type. E. M. Moffatt. 2,496,806, Feb. 7.
Gas temperature probe of the thermocouple type. L. A. Ward. 2,496,835, Feb. 7.
Gastight and gas-filled package and making it. S. Bergstein. 2,506,056, May 2.
Gas treating apparatus for hollow glass articles. J. R. Johnson and R. D. Duff. 2,515,372, July 18.
Gas tube and resistor shunt to prevent distortion at impulse contacts. J. R. Dewar. 2,517,291, Aug. 1.
Gas turbine. R. J. Imbert. 2,494,178, Jan. 10.
Gas turbine apparatus. G. M. Mierley. 2,514,408, July 11.

Gas turbine apparatus with selective regenerator control. A. H. Redding. 2,516,910, Aug. 1.
Gas turbine lubrication. C. C. Davenport. 2,531,411, Nov. 28.
Gas turbine plant. R. Strub. 2,499,232, Feb. 28.
Gas turbine plant. W. Traupel. 2,493,509, Jan. 3.
Gas turbine plant. W. Traupel. 2,513,601, July 4.
Gas turbine plant with dilution air, Intermittent explosion. J. H. Anderson. 2,517,822, Aug. 8.
Gas turbine propulsion unit. W. R. Hawthorne. 2,504,414, Apr. 18.
Gas turbine system for aircraft propulsion. M. Fishbein. 2,526,941, Oct. 24.
Gas turbine, Two-stage. S. M. Udale. 2,511,385, June 13.
Gas turbine with turbulent heat transfer zone, U-passage. P. Kollsman. 2,514,875, July 11.
Gas wall heater. A. E. Turner. 2,506,120, May 2.
Gaseous compressing system. A. Cohen. 2,511,494, June 13.
Gaseous current spray drier. J. M. Hall. 2,531,879, Nov. 28.
Gaseous discharge device. A. H. Reeves. 2,505,006, Apr. 25.
Gaseous discharge device. A. H. Reeves. 2,516,915, Aug. 1.
Gaseous discharge device. C. G. Smith. 2,504,231, Apr. 18.
Gaseous-discharge device. P. W. Stutsman. 2,529,233, Nov. 7.
Gaseous fluid distributing system for furnaces and the like. C. B. Arnold and H. F. Lawrence. 2,528,292, Oct. 31.
Gaseous fuel burner. J. S., and A. E. Clarke, and N. P. Coupe 2,523,194. Sept. 19.
Gaseous fuel mixer. G. Frank. 2,502,139, Mar. 28.
Gaseous mixture. S. H. White. 2,513,767, July 4.
Gases, Manufacture of industrial and power. M. Steinschlaeger. 2,524,849, Oct. 10.
Gases rich in hydrogen, Production of. W. H. Rupp. 2,514,340, July 4.
Gasifying carbonaceous material, Method and apparatus for. A. D. Garrison. 2,516,974, Aug. 1.
Gassing the contents of cans, Method and apparatus for. W. M. Tomkins. 2,518,100, Aug. 8.
Gasket cutter. W. Wagner. 2,493,513, Jan. 3.
Gasket, Flanged joint sealing. W. W. Chupp. 2,532,891, Dec. 5.
Gasket for milkers. H. B. Babson. 2,502,363, Mar. 28.
Gasket for repairing weld and pit leaks on pipes. W. L. Northrup. 2,529,411, Nov. 7.
Gasket making machine. W. R. Price. 2,499,681, Mar. 7.
Gasket material. G. L. Fraser. 2,526,605, Oct. 17.
Gasket, Radio shielding sealing. A. A. Pierson, Jr. 2,519,850, Aug. 22.
Gasket, Sealing and electrical shielding. A. H. Cadman. 2,519,436, Aug. 22.
Gasket unit for swivel connections. N. A. Espegren. 2,498,915–16, Feb. 28.
Gasoline by alkylation and reforming, Producing. A. J. Abrams and C. S. Kuhn, Jr. 2,509,028, May 23.
Gasoline fuel reserve tank. A. Siegel. 2,497,277, Feb. 14.
Gasoline, Production of desulfurized. A. L. Johnson, E. G. Carlson, and F. E. Blasca. 2,530,701, Nov. 21.
Gasoline tank cap. J. C. McKalip. 2,496,883, Feb. 7.
Gastrointestinal tube. M. P. Mains. 2,498,692, Feb. 28.
Gastrointestinal tube. E. F. Schmerl. 2,508,690, May 23.
Gate: *See*—
- Automatic gate:
- Cattle guard gate.
- Collapsible safety gate.
- Conveyer gate.
- Crossing gate.
- Extensible gate.
- Farm gate.
- Fish gate.
- Harness race starting gate.
- Hinged aperture gate.
- Multiple movement gate.
- Remote control gate.
- Safety gate.
- Self-cleaning mixer gate.
- Signal intensity responsive gaseous discharge device gate.
- Starting gate.
- Vehicle actuated gate.
- Vehicle end gate.
- Vehicular tail gate.

Gate. G. A. Duis and K. W. Hermann. 2,502,079, Mar. 28.
Gate. J. D. Flory. 2,529,008, Nov. 7.
Gate. L. C. Tilbury. 2,518,260, Aug. 8.
Gate actuating mechanism for motion-picture machines. K. Brenkert. 2,493,440, Jan. 3.
Gate and mounting thereof, Film. S. and W. D. Foster. 2,526,647, Oct. 24.
Gate and water drop attachment, Head. R. B. Blackmore. 2,525,517, Oct. 10.
Gate arrangement for controlling the passage of material into bags. W. R. Peterson. 2,500,769, Mar. 14.
Gate construction, Adjustable tail. H. R. Rubenstein. 2,534,626, Dec. 19.
Gate control for pulse-echo systems, Photoelectric. J. Millman. 2,532,566, Dec. 5.
Gate for cranberry bogs and the like, Flume. P. J. Whipple. 2,530,747, Nov. 21.
Gate for harness horses, Starting. S. G. Phillips. Re. 23,308, Dec. 19.
Gate for harness horses, Starting. S. G. Phillips. 2,497,370, Feb. 14.
Gate for horse races, Starting. W. R. Mills. 2,510,828, June 6.
Gate for ship unloaders, Hopper control. J. F. Meissner. 2,505,982, May 2.
Gate having combined centrifugal clutch and brake, Railway crossing. H. L. Bone. 2,505,940, May 2.
Gate having multiple pintle spring hinge means. W. O. Eilert. 2,505,467, Apr. 25.
Gate latch. W. F. Roseburrough. 2,523,845, Sept. 26.
Gate latch. H. K. Tabler. 2,525,187, Oct. 10.
Gate latch keeper. A. B. Cleave. 2,534,414, Dec. 19.
Gate lock. F. L. Remmele. 2,510,520, June 6.
Gate operating mechanism. S. H. Fox. 2,523,616, Sept. 26.
Gate valve. J. S. Abercrombie. 2,527,050, Oct. 24.
Gate valve. R. A. Folsom. 2,499,738, Mar. 7.
Gate valve. J. C. Hobbs. 2,520,364, Aug. 29.
Gate valve. F. E. Wolfe. 2,535,525, Dec. 26.
Gated trigger demodulating circuit. M. M. Levy. 2,531,446, Nov. 28.
Gating system utilizing incrementally delayed and undelayed pulse trains of different frequencies, Sequential. M. M. Levy. 2,516,888. Aug. 1.
Gatherer for corn harvesters. M. H. Tuft. 2,518,732, Aug. 15.
Gathering and feeding mechanism for hay balers, Hay. E. B. Nolt. 2,507,540, May 16.
Gathering and loading machine, Material. F. Cartlidge. 2,510,069, June 6.
Gathering or stripping means for harvesters. L. B. Neighbour and M. W. Roscoe. 2,508,966, May 23.
Gathering-reel motor. J. E. Pastoret. 2,508,188, May 16.
Gauge: *See*—
- Adjustable centering gauge.
- Adjustable thread gauge.
- Automatic railroad track gauge.
- Automobile alignment gauge.
- Compound gauge.
- Dado gauge.
- Die gauge.
- Differential pressure gauge.
- Drum gauge.
- Electric liquid level gauge.
- Electric strain gauge.
- Electric thrust gauge.
- Electrical bore gauge.
- Electrical gauge.
- Electrically operated saw gauge.
- Electromagnetic precision measuring gauge.
- Electronic height gauge.
- Feeler gauge.
- Flush pin gauge.
- Folding meter gauge.
- Framing gauge.
- Grade gauge.
- Hem binding gauge.
- Internal thread measuring gauge.
- Ionization gauge.
- Ionization pressure gauge.
- Lead gauge.
- Liquid level gauge.
- Liquid level indicating gauge.
- Liquid measuring gauge.
- Liquid seal level gauge.
- Marking gauge.
- Meat cutting gauge.
- Micro height gauge.
- Micrometer depth and projection gauge.
- Micrometer head space gauge.
- Micrometer height gauge.
- Miles per gallon gauge.
- Navigation map gauge.
- Oil gauge.
- Opposed-contacts distance gauge.
- Optical gauge.
- Paper hanger's straight edge gauge.
- Photoelectronic limit gauge.
- Planer and height gauge.
- Plug gauge.
- Pneumatic gauge.
- Pneumatic micrometry plug gauge.
- Pressure gauge.
- Radial clearance gauge.
- Radius gauge.
- Rafter gauge.
- Rain gauge.
- Rain or snow gauge.
- Reversible adjustable checking gauge.
- Ring gauge.
- Roof pitch sight gauge.
- Saw filing gauge.
- Saw gauge.
- Saw raker tooth gauge.
- Shear press back gauge.
- Sheet thickness gauge.
- Stencil cutting gauge.
- Stocking size gauge.
- Surface gauge.
- Tank gauge.
- Telescoping vernier gauge.
- Thread-chaser gauge.
- Thread gauge.
- Tire pressure gauge.
- Tolerance-limit comparator gauge.
- Tool-locating gauge.
- Tool setting gauge.
- Tube gauge.
- Vacuum gauge.
- Variable snap gauge.
- Wet film gauge.
- Wheel aligning gauge.
- Wheel alignment gauge.
- Wheel gauge.
- Wire gauge.
- X-ray gauge.
- X-ray thickness gauge.

Gauge. J. Bauer and A. Schittelbauer. 2,523,551, Sept. 26.
Gauge. R. H. Cook and H. W. Grikscheit. 2,508,494, May 23.
Gauge. E. L. Scott. 2,504,886, Apr. 18.
Gauge. R. Twells. 2,495,789, Jan. 31.
Gauge and core for sterotype mold boxes. S. I. Griglak. 2,522,869, Sept. 19.
Gauge and cutting tool, Butt. E. Carlson. 2,500,800, Mar. 14.
Gauge and method for mounting and securing doors. R. V. McKay. 2,502,166, Mar. 28.
Gauge and soldering jig, Type. H. C. Fox. 2,525,027, Oct. 10.
Gauge and spot marker, Combination. R. J. Abshire. 2,497,570, Feb. 14.
Gauge articles from thin thermoplastic sheet material, Producing heavy. F. E. Wiley. 2,502,240, Mar. 28.
Gauge attachment for hammers, Shingle. F. B. Pies. 2,517,345, Aug. 1.
Gauge block. J. A. Harrington. 2,500,313, Mar. 14.
Gauge chuck. R. K. Boyer. 2,530,504, Nov. 21.
Gauge device. R. T. Relf. 2,523,329, Sept. 26.

Gauge device for use with a press. W. G. Kassner. 2,518,791, Aug. 15.
Gauge driving device for sheet feeding and gauging mechanisms. W. Pechy. 2,529,513, Nov. 14.
Gauge for airfoils. H. L. Milner. 2,523,226, Sept. 19.
Gauge for angular measurements. L. M. Sherman. 2,501,745, Mar. 28.
Gauge for checking external dimensions of circular work. F. W. Kuppersmith. 2,501,130, Mar. 21.
Gauge for cutoff saw tables. E. A. Snow. 2,498,865, Feb. 28.
Gauge for cutoff saws. E. A. Snow. 2,518,728, Aug. 15.
Gauge for cylindrical work, Straddle. J. J. Hartl. 2,503,871, Apr. 11.
Gauge for determining the throw of crankshafts. R. J. Lamkin. 2,522,283, Sept. 12.
Gauge for drill guides, Precision layout. J. N. Kebour. 2,497,733, Feb. 14.
Gauge for glass containers or the like. H. W. Ingle. 2,508,251, May 16.
Gauge for hair clippers, Cutting. J. F. Johnson. 2,502,791, Apr. 4.
Gauge for linear materials. H. Moe. 2,515,787, July 18.
Gauge for looms, Reed setting. C. Darwin. 2,511,496, June 13.
Gauge for oil and other liquids, Tank. A. Kresta. 2,509,770, May 30.
Gauge for oil burners. E. M. Peterson. 2,498,823, Feb. 28.
Gauge for rifles, Head spacer. N. C. Zanolio. 2,502,613, Apr. 4.
Gauge for ripsaws, Selective. J. M. Lawson. 2,523,834, Sept. 26.
Gauge for saw tables, Adjustable miter. O. Bray. 2,502,124, Mar. 28.
Gauge for saw tables, Trim and miter. W. R. Curtis. 2,535,843, Dec. 26.
Gauge for setting the height of cutter bits on metal turning lathes. T. W. Scifres. 2,523,597, Sept. 26.
Gauge for setting tools for cutting screwthreads. O. C. Bruce. 2,504,249, Apr. 18.
Gauge for shearing machines, Blank. R. A. McLaughlin. 2,507,448, May 9.
Gauge for shearing machines, Blank. P. W. Moore, Jr. 2,507,453, May 9.
Gauge for shearing machines, Stock length. P. W. Moore, Jr. 2,507,452, May 9.
Gauge for shirt collars. J. W. Starbuck. 2,533,295, Dec. 12.
Gauge for small bores, Diameter. H. K. Buscher and O. Z. Whitenack. 2,495,406, Jan. 24.
Gauge for small screw threads. C. G. Newton. 2,515,418, July 18.
Gauge for threaded or other finish portions of jars and the like. H. W. Ingle. 2,525,136, Oct. 10.
Gauge for tractors, Fuel. L. N. and J. N. McGrath. 2,533,490, Dec. 12.
Gauge for wire-winding machines. H. E. Swartout. 2,499,426, Mar. 7.
Gauge guiding means. P. Buisson. 2,535,897, Dec. 26.
Gauge head, Electric. R. Mestas. 2,499,665, Mar. 7.
Gauge head for cylindrical bores. F. L. Rupley. 2,501,965, Mar. 28.
Gauge line holder. B. T. Palmer. 2,508,076, May 16.
Gauge mechanism for press brakes. L. R. Williamson. 2,510,768, June 6.
Gauge of the ionization producing type, Vacuum. W. H. Kohl. 2,516,704, July 25.
Gauge or comparator, Linear-dimension. J. Loxham. 2,507,727, May 16.
Gauge plug and resilient holder. L. E. Kuebler. 2,514,956, July 11.
Gauge support. J. W. Farkas. 2,516,053, July 18.
Gauge system, Recording. R. I. Roth, A. H. Dickinson, and J. N. Wheeler. 2,506,470, May 2.
Gauge using simulated printing pressure, Make-ready. F. W. Shober. 2,520,474, Aug. 29.
Gauge with attached pilot, Plug. R. S. Fox. 2,518,229, Aug. 8.
Gauge with attitude correction, Tank contents. C. A. de Giers and A. Edelman. 2,500,348, Mar. 14.
Gauges, Producing ceramic. R. Twells. 2,525,324, Oct. 10.
Gauging apparatus for aligning shafts. J. B. Christian. 2,516,854, Aug. 1.
Gauging apparatus for lengths of tubing or rod. C. D. Spicer and A. F. Casler. 2,525,050, Oct. 10.
Gauging apparatus for testing parallelism. A. G. Rose and K. H. Nicholls. 2,534,736, Dec. 19.
Gauging apparatus, Track. E. M. Thornley. 2,532,745, Dec. 5.
Gauging device. W. F. Aller. 2,497,199, Feb. 14.
Gauging device, Size. L. F. Polk. 2,497,236, Feb. 14.
Gauging magnetic materials, Method and device for. C. H. Angell. 2,503,721, Apr. 11.
Gauging method and device. W. A. Gieseke. 2,503,720, Apr. 11.
Gauging tool. H. H. Talboys. 2,498,742, Feb. 28.
Gauze, Preparing oxidized cellulose. W. O. Kenyon, C. C. Unruh, and W. F. Fowler, Jr. 2,496,797, Feb. 7.

Gear: *See*—
- Aircraft auxiliary landing gear.
- Aircraft landing gear.
- Airplane landing gear.
- Change-speed gear.
- Clock-controlled switch gear.
- Cross-wind airplane landing gear.
- Draft gear.
- Eccentric drive gear.
- Electric switch gear.
- Electromechanical high-speed operating gear.
- Epicyclic change-speed gear.
- Epicyclic gear.
- Fishing gear.
- Heat-treating gear.
- Higher speed gear.
- Infinitely variable change-speed gear.
- Intermittent gear.
- Involute gear.
- Loading or charging gear.
- Locomotive running gear.
- Marine gear.
- Pneumatic-type aircraft landing gear.
- Power-driven airplane landing gear.
- Power gear.
- Reduction gear.
- Releasing gear.
- Retractable landing gear.
- Retractable shock-absorbing landing gear.
- Reversing gear.
- Self-controlled aircraft landing gear.
- Ship's cargo loading gear.
- Steering gear.
- Tractor steering gear.
- Variable speed changing gear.
- Vehicle change-speed and steering gear.

Gear and clutch mechanism for spinner type clothes washing machines. C. S. Dayton. 2,517,088, Aug. 1.
Gear and clutch mechanism for spinner type clothes washing machines. J. F. Young and C. S. Dayton. 2,497,686, Feb. 14.
Gear and making the same, Fabricated. B. E. Hoover. 2,506,641, May 9.
Gear and pinion assembly, Variable ratio ring. R. L. Dick. 2,523,945, Sept. 26.
Gear and throttle interlock, Selector. D. C. Peabody. 2,493,592, Jan. 3.
Gear box. A. C. Howard. 2,517,879, Aug. 8.
Gear case assembly. A. G. Nickle. 2,517,913, Aug. 8.
Gear changing system. B. S. Olsson. 2,498,821, Feb. 28.
Gear construction, Draft. L. D. Freeman. 2,503,231, Apr. 4.
Gear cutter. O. F. Bauer. 2,524,301, Oct. 3.
Gear cutting machine. B. Leuthold. 2,507,725, May 16.
Gear finishing machine. W. A. Schulte. 2,511,418, June 13.
Gear for aircraft, Landing. R. Saulnier. 2,516,345, July 25.
Gear for aircraft, Retractable arrester. G. E. Petty. 2,505,064, Apr. 25.
Gear for airplanes, Landing. A. H. Lanser. 2,507,913, May 16.
Gear for airplanes, Landing. W. Thomas. 2,526,711, Oct. 24.
Gear for machine tools, Reversing. A. Bechler. 2,494,156, Jan. 10.
Gear for motor vehicles, Change-speed. F. H. Tarlton. 2,504,904, Apr. 18.
Gear for motor vehicles, Hydraulic steering. R. W. Knapp. 2,507,106, May 9.
Gear for motor vehicles or the like, Differential. A. J. Butterworth. 2,532,757, Dec. 5.
Gear for push cars, Draft. J. W. McPeck. 2,512,110, June 20.
Gear for ship propulsion, Reversible speed-reduction. A. W. Davis. 2,535,904, Dec. 26.
Gear for trailers, Landing. J. G. Sartin. 2,526,905, Oct. 24.
Gear grinding machine. A. Aeppli. 2,522,334, Sept. 12.
Gear head, Multiple close centered. H. E. Folkerth. Sr. 2,506,202, May 2.
Gear hobbing machine. G. Barrett. 2,526,798, Oct. 24.
Gear housing. A. Korff. 2,516,090, July 18.
Gear mechanism for vehicle speedometers. W. B. Wait. 2,506,562, May 2.
Gear mechanism, Landing. L. R. Gruss. 2,503,869, Apr. 11.
Gear of motor vehicles, Change-speed. J. C. Haefell. 2,504,409, Apr. 18.
Gear pump. M. C. Caughrean. 2,498,790, Feb. 28.
Gear reduction mechanism for press brakes. L. R. Williamson. 2,533,077, Dec. 5.
Gear reduction unit. J. D. Christian. 2,503,027, Apr. 4.
Gear selecting mechanism. N. E. Wahlberg. 2,503,893, Apr. 11.
Gear selecting mechanism. N. E. Wahlberg and J. F. Sladky. 2,504,285, Apr. 18.
Gear set. W. P. Schmitter. 2,516,077–8, July 18.
Gear shaping machine. G. G. Frederichs. 2,508,244, May 16.
Gearshift, Hydroelectric. L. T. and J. J. Womack. 2,534,493, Dec. 19.
Gearshift means. H. H. Henry. 2,520,005, Aug. 22.
Gearshift transmission together with a combined fuel control element and manual gearshifter, Semiautomatic. J. A. H. Barkeij. 2,535,023, Dec. 19.
Gear shifter control. J. M. Myers. 2,531,582, Nov. 28.
Gear-shifting mechanism. M. P. Holmes. 2,515,710, July 18.
Gear shifting mechanism, Hydraulic. R. K. Le Blond and H. C. Kemper. 2,493,299, Jan. 3.
Gear shifting mechanism, Hydraulic. H. J. Siekmann and H. C. Kemper. 2,519,794, Aug. 22.

Gear strut with continuously circulating ball-type bearing, Offset landing. W. E. Eldred and F. J. Boody. 2,493,342, Jan. 3.
Gear system. J. S. Macdonald. 2,507,640, May 16.
Gear system, Self-locking and unlocking differential. A. W. Mesick. 2,495,016, Jan. 17.
Gear tens transfer device, Differential. E. K. Grip. 2,503,332. Apr. 11.
Gear-tooth rotary pump. W. W. Hamill. 2,530,767, Nov. 21.
Gear train for kinetographic projectors and similar mechanisms. G. A. Mitchell and E. C. Manderfeld. 2,513,195, June 27.
Gear train for machine tool slides. J. R. Longstreet. 2,501,281, Mar. 21.
Gear transmission. W. K. McIver. 2,508,121, May 16.
Gear transmission, Forward and reverse friction. C.-E. Granqvist. 2,524,905, Oct. 10.
Gear type fluid clutch. G. W. Jessup. 2,502,092, Mar. 28.
Gear type variable-speed hydraulic clutch. J. R. Thomas. 2,526,914, Oct. 24.
Gear unit. A. P. Brush. 2,498,848, Feb. 28.
Gear unit for airplanes, Landing. R. H. Miles. 2,520,323, Aug. 29.
Gear unit, Reduction. V. Cronstedt and A. H. King. 2,496,857, Feb. 7.
Gear wheel. J. C. Burton. 2,493,106, Jan. 3.
Gear with an automatic down-latch, Retractable landing. H. F. Schmidt and P. L. Brady. 2,504,458, Apr. 18.
Gear with ribbon type energy absorber, Arresting. D. B. Doolittle. 2,501,997, Mar. 28.
Geared socket wrench. J. V. Maddox. 2,532,027, Nov. 28.
Gearing. S. N. Baruch. 2,510,675, June 6.
Gearing. M. Ware. 2,500,723, Mar. 14.
Gearing, Adjustable. W. A. Hyland. 2,498,606, Feb. 21.
Gearing, Adjustable. G. W. Müller. 2,526,964, Oct. 24.
Gearing, Change-speed. F. Bitzer. 2,500,447, Mar. 14.
Gearing control for drilling machine trucks or the like. A. L. Lee. 2,512,497, June 20.
Gearing device. A. Berndt. 2,525,335, Oct. 10.
Gearing, Disengageable worm. E. N. Anketell. 2,503,146, Apr. 4.
Gearing, Epicyclic variable speed. W. Brown. 2,530,646, Nov. 21.
Gearing, Filar. F. X. Lamb. 2,502,160, Mar. 28.
Gearing for driving coaxial shafts. H. S. Phelan. 2,498,767, Feb. 28.
Gearing for internal-combustion engines. A. T. Gregory. 2,505,856, May 2.
Gearing for internal-combustion engines, Starter. R. F. Dunbar. 2,536,002, Dec. 26.
Gearing for internal-combustion engines, Starter. D. L. Miller. 2,535,017, Dec. 19.
Gearing for lathe headstocks, Change-speed. H. J. Siekmann and G. J. Kasselmann. 2,523,397, Sept. 26.
Gearing for lawn mowers, Forward and reverse. P. L. Loewe and E. L. Boyce. 2,529,035, Nov. 7.
Gearing for lift mechanisms, Laterally shiftable. G. I. Rockwood. 2,528,179, Oct. 31.
Gearing for mixers, Change-speed. F. R. Chester. 2,524,425, Oct. 3.
Gearing for vehicles, Propulsion and power take-off. B. W. Keese. 2,521,729, Sept. 12.
Gearing for wringer drives, Forward and reverse. C. T. Bee. 2,525,392, Oct. 10.
Gearing, Forward and reverse transmission. J. H. Carpenter. 2,535,194, Dec. 26.
Gearing, Heavy-duty engine starter. D. L. Miller. 2,500,132, Mar. 7.
Gearing, Multiratio. H. Sinclair. 2,508,776, May 23.
Gearing, Planetary. H. M. Geyer. 2,516,200, July 25.
Gearing, Planetary. P. Orr. 2,505,002, Apr. 25.
Gearing, Reduction. B. F. Schmidt. 2,505,434, Apr. 25.
Gearing, Reverse. F. L. Alben. 2,504,781, Apr. 18.
Gearing, Screw and nut. C. F. Carlzen. 2,512,714, June 27.
Gearing, Selective. R. P. Bechle. 2,521,771, Sept. 12.
Gearing, Speed reduction. T. F. Schlicksupp. 2,520,784, Aug. 29.
Gearing, Synchromesh change-speed. E. D. Frost. 2,495,411, Jan. 24.
Gearing, Transmission. W. L. Sheppard. 2,495,988, Jan. 31.
Gearing, Transmission. W. L. Sheppard. 2,498,828, Feb. 28.
Gearing, Variable speed friction. L. Bonna. 2,506,195, May 2.
Gears, Hypoid. E. Wildhaber. 2,506,756, May 9.
Gears, Producing. E. Wildhaber. 2,505,269, Apr. 25.
Gears, Producing. E. Wildhaber. 2,508,556, May 23.
Geiger-Mueller counter tube. P. B. Weisz. 2,519,864, Aug. 22.
Geiger tube. J. A. Victoreen. 2,521,315, Sept. 5.
Gel composition, Reversible. C. E. Barnes and W. O. Ney, Jr. 2,506,537, May 2.
Gel compositions, Manufacture of. O. W. Allen. 2,505,079, Apr. 25.
Gels of hydrolyzed vinyl fluoride/vinyl acetate copolymers, Thermoreversible. B. W. Howk and L. Plambeck, Jr. 2,499,097, Feb. 28.
Gelatin derivatives. H. C. Yutzy and G. F. Frame. 2,525,753, Oct. 10.
Gelatin derivatives, Preparing. R. E. Damschroder and J. W. Gates, Jr. 2,518,666, Aug. 15.
Gelatin melter. J. O. Scherer. 2,533,964, Dec. 12.
Gelatin, Preparing lowered viscosity. J. W. Gates, Jr., and R. M. Huse. 2,514,635, July 11.
Gelatin solutions of increased viscosity, Production of. F. J. Kaszuba. 2,522,042, Sept. 12.
Gelatine blasting explosives, Manufacture of. R. J. W. Reynolds and S. Fordham. 2,518,066, Aug. 8.
Gelatino-silver halide emulsions having low setting temperatures and coating same. J. A. H. Hart and E. W. Lee. 2,527,260, Oct. 24.
Gelatinous composition of matter and preparing same. L. Koch. 2,535,538, Dec. 26.
Gem, Simulated. L. Moyd. 2,535,807, Dec. 26.
Generating apparatus, Gas. G. W. Dick. 2,500,936, Mar. 21.
Generating device, Thermoelectric. H. J. Findley. 2,520,679, Aug. 29.
Generating electric traction and control system. R. M. Dilworth. 2,523,753, Sept. 26.
Generating gas from liquefied gas, Method of and apparatus for. G. W. Dick. 2,501,650, Mar. 21.
Generating low-frequency electrical oscillations. H. M. Sörensen and B. Stephensen. 2,518,953, Aug. 15.
Generating means and water supply means therefor, Steam iron steam. G. Kassab. 2,500,185, Mar. 14.
Generating silver iodide smoke. B. Vonnegut. 2,527,231, Oct. 24.
Generating sound, Method and apparatus for. C. B. Horsley and R. E. Young. 2,535,680, Dec. 26.
Generation system. W. F. Fell. 2,508,665, May 23.
Generating system and network therefor, Impulse. P. Robinson, W. M. Allison, and N. E. Beverly. 2,535,093, Dec. 26.
Generating system, Electric. W. H. Rudisill. 2,517,135, Aug. 1.
Generating system, Multifrequency oscillation. A. G. Manke. 2,494,345, Jan. 10.
Generating tones, Electrically. R. M. Tink. 2,525,156, Oct. 10.
Generation of chlorine dioxide. W. S. Hutchinson. 2,530,468, Nov. 21.
Generation of electrical energy from nuclear reaction, Method of and apparatus for. E. G. Linder. 2,527,945, Oct. 31.
Generation of grid voltages for the grids of converters. H. Keller. 2,494,246, Jan. 10.
Generation of synthesis gas. P. W. Garbo. 2,520,925, Sept. 5.
Generator: *See*—
Acetylene generator.
Acoustic generator.
Alternating current generator.
Amplifier generator.
Carbon dioxide generator.
Constant amplitude wave train generator.
Controlled width pulse generator.
Cyclic combustion gas generator.
Deflection wave generator.
Direct-current generator.
Dry lime acetylene generator.
Eddy-current generator.
Electric current generator.
Electric generator.
Electric high-frequency oscillation generator.
Electric impulse generator.
Electrical pulse generator.
Electronic multiple pulse generator.
Electronic pulse generator.
Ellipse generator.
Frequency-modulated magnetron microwave generator.
Function generator.
Gas generator.
Harmonics generator.
High-frequency current generator.
High-frequency generator.
High-frequency pulse generator.
High stability oscillator generator.
Induction generator.
Inductor generator.
Infrared generator.
Instant steam generator.
Ion generator.
Linear voltage generator.
Modulated ultrahigh frequency signal generator.
Motor generator.
Oscillation generator.
Periodic wave generator.
Pulse generator.
Radio-frequency generator.
Radio-frequency power generator.
Sawtooth current generator.
Saw-tooth oscillation generator.
Saw-tooth voltage generator.
Saw-tooth wave generator.
Scanning current generator.
Servo system derivative generator.
Signal generator.
Small turbine generator.
Sound generator.
Spring powered electric generator.
Steam generator.
Sweep generator.
Sweep voltage generator.
Synchronized pulse generator.
Television synchronizing signal generator.
Thermoelectric generator.
Triangular signal generator.
Triggered electronic sweep generator.
Triggered pulse generator.
Ultra high frequency generator.
Ultra high frequency oscillation generator.
Ultra high frequency signal generator.
Ultra high frequency wave generator.
Underwater sound generator.
Universal screw propeller generator.
Vapor generator.
Video signal generator.
Visual alignment signal generator.
Voltage generator.
Voltage pulse generator.
Welding generator.
X-ray generator.

Generator. A. J. Dolan. 2,525,404, Oct. 10.
Generator. J. E. MacAdams. 2,525,817, Oct. 17.
Generator. F. O. Wisman. 2,503,017, Apr. 4.
Generator. F. O. Wisman. 2,509,662, May 30.
Generator and circuits therefor, High-voltage pulse. J. Futterman. 2,505,667, Apr. 25.
Generator and conditioner, Combined smoke. M. H. Lipton. 2,532,260, Nov. 28.
Generator and heat exchanger in an absorption refrigerator. W. L. Edel. 2,498,945, Feb. 28.
Generator and motor, Electret-type. A. R. Del Campo. 2,526,642, Oct. 24.
Generator and power plant, Electrolytic gas. J. Borsos. 2,513,136, June 27.
Generator and starter. W. J. Smith, Sr. 2,498,346, Feb. 21.
Generator armature, Unipolar. E. H. Myers. 2,501,348, Mar. 21.
Generator assembly, Vapor. C. A. Miller. 2,532,179, Nov. 28.
Generator charge indicator. R. Bertsche, Jr. 2,507,953, May 16.
Generator collector-neck connections, Unipolar. G. P. Lessmann. 2,501,344, Mar. 21.
Generator control system. R. M. Critchfield and P. L. Schneider. 2,498,793, Feb. 28.
Generator control system. A. W. Paulson. 2,530,398, Nov 21.
Generator control system, Regulating. E. F. Allbert and M. H. Fisher. 2,519,212, Aug. 15.
Generator drive belt control mechanism. A. E. Voigt. 2,527,977, Oct. 31.
Generator drive control system. H. H. Spencer. 2,518,394, Aug. 8.
Generator fault protection. H. R. Sills. 2,494,365, Jan. 10.
Generator for bicycles or the like, Light. T. R. Woermbke. 2,511,489, June 13.
Generator for calculating machines, Electric impulse. R. E. Mumma. 2,503,127, Apr. 4.
Generator for electrical oscillations. L. Jofeh. 2,529,876, Nov. 14.
Generator for induction motors, High-frequency. J. R. Walker and R. H. Cook. 2,502,189, Mar. 28.
Generator for internal-combustion power units, Power gas. F. R. Bell, C. A. Judson, and L. Haworth. 2,528,635, Nov. 7.
Generator for noisemaking devices, Oscillation. B. E. Phelps. 2,521,405, Sept. 5.
Generator for recorders, Antihunt feedback. F. R. Sias. 2,522,240, Sept. 12.
Generator for supplying vaporized liquid to fuel beds within combustion chambers, Vapor. T. B. Layden. 2,505,901, May 2.
Generator frequency control system. J. M. Pestarini. 2,527,070, Oct. 24.
Generator having opposed resonating chambers, Combustion products. H. A. Lipkowski. 2,503,584, Apr. 11.
Generator-motor driving system. P. T. Nims. Re. 23,314, Dec. 26.
Generator of electrical oscillations. R. Hardy. 2,509,433, May 30.
Generator of multiple voltages at different frequencies. P. M. G. Toulon. 2,513,760, July 4.
Generator of ultra high frequency oscillations. J. B. H. Kuper and P. A. Cole. 2,523,122, Sept. 19.
Generator operated at constant compressor clearance volume, Free piston internal-combustion gas. R. J. Welsh. 2,535,558, Dec. 26.
Generator polarity control. R. Shottenfeld and H. Kuehl. 2,508,727, May 23.
Generator sequencing control for plural loads. A. Warnick and R. Kozarian. 2,495,792, Jan. 31.
Generator system, Permanent magnet. G. B. Rolfe. 2,521,254, Sept. 5.
Generator system, Pulse. W. A. Miller. 2,524,710, Oct. 3.
Generator, Thermoelectric, and burner therefor. H. J. Findley. 2,519,241, Aug. 15.
Generator with combustion type precompressor, Combustion products. P. Kollsman. 2,523,379, Sept. 26.
Generator with integrated initiating device, Oxygen. G. A. Millikan and V. A. Legallais. 2,507,450, May 9.
Generator with turbulent fuel injection zone, Rotating combustion products. P. Kollsman. 2,514,874, July 11.
Geneva movement for motion-picture projectors. M. W. Gieskieng. 2,512,894, June 27.
Geochemical exploration method by infra-red analysis of soil extract solutions. N. P. Stevens. 2,500,213, Mar. 14.
Geometrical determination of dip and strike of cored strata. P. Subkow. 2,496,422, Feb. 7.
Geophysical exploration. A. R. Lindblad, J. D. Malmqvist, and G. V. A. Gustafsson. 2,527,559, Oct. 31.
Geophysical prospecting. J. T. Callahan and J. D. Lahmeyer. 2,526,326, Oct. 17.
Geophysical prospecting. B. Pontecorvo. 2,508,772, May 23.
Geophysical prospecting system. J. E. Hawkins. 2,513,314, July 4.
Geophysical prospecting system. J. E. Hawkins. 2,513,319, July 4.
Geophysical safety catch. L. R. and L. F. Deputy. 2,529 763, Nov. 14.
Germicidal composition comprising a 3,5-dimethyl-4-nitrosopyrazole. N. K. Sundholm. 2,510,724, June 6.
Germicidal composition comprising formaldehyde and bis (2-hydroxy-3,5,6-trichlorophenyl) methane. H. J. Hallowell. 2,519,565, Aug. 22.
Germicidal solution. J. S. Williams. 2,507,236, May 9.
Getter for induction flashing. Z. J. Atlee and D. W. Dunk. 2,502,070, Mar. 28.
Getter structure for electric discharge tubes. E. G. Dorgelo. 2,493,659, Jan. 3.
Getter supporting structure. L. U. Hamvas. 2,523,016, Sept. 19.
Gilsonite suspensions, Producing. D. M. Sutherland. 2,493,507, Jan. 3.
Gin, Milkweed. B. Berkman. 2,497,532, Feb. 14.
Gingerbread mix. P. W. Salo and L. J. Huber. 2,496,678, Feb. 7.
Girdle. C. Braun. W. A. Neff, and O. Lichtensteiger. 2,498,481, Feb. 21.
Girdle. F. Desrochers. 2,531,769, Nov. 28.
Girdle. J. J. Erteszek. 2,525,215, Oct. 10.
Girdle. R. S. Ford. 2,506,826, May 9.
Girdle. M. Godbout. 2,527,543, Oct. 31.
Girdle. H. M. Herbener. 2,501,901, Mar. 28.
Girdle. A. S. Johnson. 2,526,360, Oct. 17.
Girdle. M. J. Rago. 2,519,602, Aug. 22.
Girdle and brassière and hold-down means therefor. H. S. Glynn. 2,525,666, Oct. 10.
Girdle and panty, Combination. B. Cass. 2,506,488, May 2.
Girdle and stiffening unit. H. M. Herbener. 2,501,900, Mar. 28.
Girdle drier. R. E. Chezum. 2,509,723, May 30.
Girdle or like article of apparel. A. V. Lindsay. 2,513,034, June 27.
Girdle or like garment. H. M. Herbener. 2,501,899, Mar. 28.
Girdle, Panty. O. Erteszek. 2,531,772, Nov. 28.
Girdle, Sanitary. A. M. Monjar. 2,517,503, Aug. 1.
Giving nonwrinkling materials a wrinkle texture. W. F. Flanagan. 2,510,966, June 13.
Gland, Packing. S. C. Carter. 2,504,496, Apr. 18.
Gland, Packing. J. C. Williams. 2,505,373, Apr. 25.
Gland packing. H. B. Young. 2,527,088, Oct. 24.
Glandless pump. R. J. L. Moineau. 2,525,265, Oct. 10.
Glands, Extraction of adrenal. W. J. Haines and R. H. Johnson. 2,528,880, Nov. 7.
Glare eliminator. G. D. Brooks. 2,519,222, Aug. 15.
Glass and making, Blue. W. H. Armistead. 2,498,387, Feb. 21.
Glass and making it, Photosensitive copper. S. D. Stookey. 2,515,938, July 18.
Glass and making it, Photosensitive gold. S. D. Stookey. 2,515,937, July 18.
Glass article and composition and making it, Photosensitive. S. D. Stookey. 2,515,943, July 18.
Glass articles, Fibrous. M. E. Nordberg. 2,494,259, Jan. 10.
Glass articles, Making laminated hollow. W. C. Weber. 2,500,105, Mar. 7.
Glass articles, Plastic jacketed. N. Engelmann. 2,503,033, Apr. 4.
Glass articles, such as blocks, Making. A. H. Stewart. 2,512,781, June 27.
Glass bodies, Preparation of cellulated. W. D. Ford. 2,514,324, July 4.
Glass breaking hand tool. D. R. Corrado. 2,534,756, Dec. 19.
Glass-cleaning device. L. A. Fleury. 2,506,075, May 2.
Glass composition. A. K. Lyle. 2,508,070, May 16.
Glass composition. E. D. Tillyer. 2,524,719, Oct. 3.
Glass containing palladium, Photosensitive. S. D. Stookey. 2,515,942, July 18.
Glass cutter. R. C. Barrett. 2,516,668, July 25.
Glass cutter. C. K. Judd, Jr. 2,513,876, July 4.
Glass cutter. H. Martin. 2,529,735, Nov. 14.
Glass cutting board. C. K. Judd, Jr. 2,534,775, Dec. 19.
Glass cutting table. J. B. Barber. 2,512,821, June 27.
Glass decoration. O. A. Short. 2,502,758, Apr. 4.
Glass, Feeding. C. T. Paquette and L. B. Webb. 2,493,260, Jan. 3.
Glass, Ferric fluophosphate. K. Sun and T. E. Callear. 2,496,824, Feb. 7.
Glass fiber-resin composite product. R. Steinman. 2,513,268, June 27.
Glass fibers, Method and apparatus for producing. A. L. Simison, C. H. Billman, and R. M. Stream. 2,527,502, Oct. 24.
Glass fibers, Producing. E. J. Cook. 2,495,956, Jan. 31.
Glass, Fluophosphate. K. Sun. 2,511,225, June 13.
Glass, Fluophosphate. K. Sun and T. E. Callear. 2,511,226, June 13.
Glass, Fluoride. K. Sun and M. L. Huggins. 2,511,224, June 13.
Glass for picture and mirror mountings, Ornamental. A. G. Sachs. 2,520,437, Aug. 29.
Glass framing construction. W. M. Krantz. 2,505,553, Apr. 25.
Glass having a movable figure, Drinking. J. D. Mahoney. 2,510,237, June 6.
Glass having wide working range, Soft. W. H. Armistead. 2,527,693, Oct. 31.

Glass holder. H. J. Vosburgh. 2,506,321, May 2.
Glass, Illuminated drinking. M. E. Moore. 2,532,181, Nov. 28.
Glass interlayer, Laminated. F. T. Buckley and G. R. Sido. 2,534,102, Dec. 12.
Glass laminations and interlayers therefor. R. E. Burk and G. S. Stamatoff. 2,526,728, Oct. 24.
Glass, Lead borate. K. Sun, T. E. Callear, and P. T. Scharf. 2,511,228, June 13.
Glass, Lead-containing fluophosphate. K. Sun. 2,511,227, June 13.
Glass making materials resistant to caking. M. J. Bozich. 2,527,618, Oct. 31.
Glass, Making plate. M. L. Devol. 2,505,103, Apr. 25.
Glass manufacturing apparatus, Tubular. E. Danner. 2,502,312, Mar. 28.
Glass, Ophthalmic. W. H. Armistead. 2,528,634, Nov. 7.
Glass or screen raising mechanism, Selective. W. M. McCoy. 2,524,459, Oct. 3.
Glass panel attaching device. L. G. Simjian. 2,498,139, Feb. 21.
Glass particles, Manufacturing rounded. E. Wainer. 2,524,613, Oct. 3.
Glass, Photosensitive. S. D. Stookey. 2,515,275, July 18.
Glass, Photosensitive opal. S. D. Stookey. 2,515,940–1, July 18.
Glass resistor welding method. E. M. Guyer. 2,527,720, Oct. 31.
Glass, Safety. E. C. Cottet and R. L. F. Chazal. 2,524,960, Oct. 10.
Glass-sand treatment. J. P. Poole. 2,523,996, Sept. 26.
Glass severing means and process. E. Danner. 2,530,511, Nov. 21.
Glass severing mechanism. A. R. Smith, G. A. Lee, and C. J. Hopkins. 2,494,674, Jan. 17.
Glass, Silver-containing photosensitive. W. H. Armistead, Jr. 2,515,936, July 18.
Glass structure, Weldable sight. F. A. Buehler. 2,527,792, Oct. 31.
Glass-supporting means. C. L. Rusch. 2,521,608, Sept. 5.
Glass-to-metal sealing. W. E. Shoupp. 2,523,155, Sept. 19.
Glass tube and composition. S. D. Stookey. 2,503,140, Apr. 4.
Glass vessels, Making sealed. J. G. Kronouer, E. M. H. Lips, and F. Prakke. 2,533,589, Dec. 12.
Glass window hurricane protector. J. G. Michela. 2,523,044, Sept. 19.
Glass window seals, Making. E. J. Walsh. 2,534,392, Dec. 19.
Glass with adjustable line guide, Reading. E. H. Salter. 2,521,256, Sept. 5.
Glassworking apparatus. J. W. Juvinall and S. J. Snorek. 2,504,842, Apr. 18.
Glassworking apparatus. C. A. Schuck. 2,512,811, June 27.
Glassworking machine. J. S. Harker. 2,494,387, Jan. 10.
Glass yarn, Manufacture of. J. F. Hyde. 2,531,571, Nov. 28.
Glasses and the like, Molded plastic sun. D. Rosenheim. 2,504,157, Apr. 18.
Glasses, Antiglare. J. G. Arbenz. 2,510,539, June 6.
Glasses, Nonglare night driving. W. F. Kelly. 2,511,776, June 13.
Glasses, Opacifiable photosensitive. S. D. Stookey. 2,515,939, July 18.
Glasses, Optical. R. E. Bastick and T.-H. Wang. 2,512,993, June 27.
Glassine paper, Photographic diazo-sensitized. W. D. Peterson. 2,501,874, Mar. 28.
Glazing and polishing machine. F. R. Whitcomb. 2,505,223, Apr. 25.
Glazing bar. A. Marsh. 2,531,229, Nov. 21.
Glazing construction. J. P. Pearse. 2,497,515, Feb. 14.
Glazing compositions. H. T. Van Horn. 2,508,735, May 23.
Glazing machine, Doughnut. J. C. Lunsford. 2,525,306, Oct. 10.
Glide path system. S. B. Pickles. 2,527,570, Oct. 31.
Glider, Furniture leg. R. E. Miller. 2,513,194, June 27.
Glider, Rope. D. H. Bucks. 2,493,855, Jan. 10.
Glider, Towed. R. M. Carlson. 2,507,957, May 16.
Globe, Geographical. J. W. Ekstedt, A. F. Pityo, and H. Butterfield. 2,510,213, June 6.
Globe mounting. R. R. Dupler. 2,511,770, June 13.
Globe structure, Illuminated. R. R. Dupler. 2,515,401, July 18.
Globular inclusion control for steel making. J. T. Parker. 2,501,138. Mar. 21.
Glossing corundum crystals. G. B. Graham. 2,510,219, June 6.
Glove. B. Kennedy. 2,508,031, May 16.
Glove. H. B. Kimbrell. 2,524,979, Oct. 10.
Glove. H. S. Kochman. 2,493,977, Jan. 10.
Glove. H. E. Lindfelt. 2,504,553, Apr. 18.
Glove. M. K. Mulheran. 2,516,241, July 25.
Glove and making heel therefor, Baseball. R. Oliver and G. Frye. 2,510,246, June 6.
Glove, Ball catching. H. Goldsmith and A. Hilton. 2,510,218, June 6.
Glove for accurately handling seized objects. H. I. Carmin. 2,522,344, Sept. 12.
Glove for jewelry display. E. Lazarian. 2,513,030, June 27.
Glove form. R. E. Chezum. 2,524,285, Oct. 3.
Glove, Pocket. M. W. Macreadie. 2,496,734, Feb. 7.
Glove, Toothed gripping. C. F. W. Liedtke. 2,501,571, Mar. 21.
Glove turning apparatus. J. Keller. 2,510,341, June 6.
Glow discharge device. W. A. Depp. 2,507,696, May 16.
Glow discharge device. J. Freeman. 2,514,753, July 11.
Glow discharge lamp. W. Davidson. 2,515,699, July 18.
Glow switch. W. E. Carpenter and C. Wiener. 2,502,203, Mar. 28.
Glow switch. H. Kaupp. 2,494,560, Jan. 17.
Glucuronic acid, Producing. E. A. Peterman. 2,520,256, Aug. 29.
Glucuronic acid synthesis. E. A. Peterman. 2,520,255, Aug. 29.
Glue. M. B. Christian and H. F. Ladd. 2,494,744, Jan. 17.
Glue and gelatine, Manufacture of. J. E. and N. C. Hill. 2,517,487, Aug. 1.
Glue applying apparatus for paper cup making machines. P. E. Wixon and C. E. Chapman. 2,521,110, Sept. 5.
Glue composition and preparation, Cold-setting resorcinol. G. E. Babcock and A. K. Smith. 2,494,537, Jan. 17.
Glue control for bag sealing machines. H. Anderson. 2,512,884, June 27.
Gluer, Ticket. C. S. Callaway and C. C. Light. 2,499,017, Feb. 28.
Gluing and closing machine, Carton. T. E. Piazze. 2,523,718, Sept. 26.
Gluing and folding paper boxes, Method and machine, for. F. H. Burgess. 2,532,479, Dec. 5.
Gluing machine, Margin. C. F. Schaefer. 2,493,165, Jan. 3.
Gluing machine, Margin or edge. R. L. Richmond. 2,514,899, July 11.
Gluing machine. J. M. Minkow. 2,511,781, June 13.
Gluing machine. C. F. Schaefer. 2,506,650, May 9.
Gluing machine, Veneer. G. M. Gustin. 2,503,551, Apr. 11.
Glutamic acid, Manufacture of. F. A. Hoglan. 2,533,114, Dec. 5.
Glutamic acid, Production of. F. A. Hoglan and M. J. Blish. 2,525,902, Oct. 17.
Glutaric acid, Production of. R. R. Whetstone. 2,513,766, July 4.
Gluten phosphates, Preparation of. H. S. Olcott and A. Mohammad. 2,513,351, July 4.
Gluten phosphates and preparing them. R. E. Ferrel and H. S. Olcott. 2,522,504, Sept. 19.
Glyceride oils, Preparation of break-free. R. M. Christenson. 2,510,379, June 6.
Glycerin and distilled fatty acids, Production of. V. Mills. 2,495,071, Jan. 17.
Glycerine condensation. P. Bradford. 2,496,576, Feb. 7.
Glycinamide, Substituted. W. F. Bruce and J. Seifter. 2,516,674, July 25.
Glycinamides, Substituted. W. F. Bruce and J. Seifter. 2,499,352, Mar. 7.
Glycinamides, Substituted. W. F. Bruce and J. Seifter. 2,523,275, Sept. 26.
Glycol alginates and their manufacture, High-stability. A. B. Steiner and W. H. McNeely. 2,494,911, Jan. 17.
Glycol diesters of aromatic acids, Production of. F. F. Rust, W. E. Vaughan and F. H. Seubold. 2,518,940, Aug. 15.
Glycol esters of alginic acid, Higher alkylene. A. B. Steiner and W. H. McNeely. 2,494,912, Jan. 17.
Glycol monosulfates, Preparing flameproofing. W. M. Fuchs and E. Gavatin. 2,511,911, June 20.
Glycol pectates and pectinates, Manufacture of. A. B. Steiner and A. Miller. 2,522,970, Sept. 19.
Glycol thioethers, Manufacture of. J. B. Davidson and J. F. Olin. 2,494,610, Jan. 17.
Glycols and glycol monoesters, Preparation of. S. A. Ballard, B. P. Geyer, and R. H. Mortimer. 2,515,108, July 11.
Glycols, Making. E. R. Bertozzi. 2,527,378, Oct. 24.
Glycyl derivatives of amino quinolines, Disubstituted. W. F. Bruce. 2,494,083, Jan. 10.
Glyoxal-tertiary-butyl cresol condensation products. D. R. Stevens and A. C. Dubbs. 2,515,909, July 18.
Goal, Hockey. L. B. Lindsay. 2,525,304, Oct. 10.
Goggle assembly. R. L. Malcom. 2,502,162, Mar. 28.
Goggle, Sun. A. B. Mull. 2,527,027, Oct. 24.
Goggle, Underwater. J. S. Wold. 2,524,245, Oct. 3.
Goggles. R. L. Malcom. 2,503,117, Apr. 4.
Goggles. J. Rowan. 2,526,582, Oct. 17.
Goggles, Underwater. C. H. Wilen. 2,526,181, Oct. 17.
Goggles and defogging device, Combined. A. J. Farina. 2,526,737, Oct. 24.
Gold recovering machine, Fine. L. D. Drew. 2,518,605, Aug. 15.
Golf bag. N. Dorazio. 2,507,249, May 9.
Golf bag. I. H. Filler and V. H. Olmsted. 2,521,573, Sept. 5.
Golf bag. M. M. Zapoleon. 2,534,096, Dec. 12.
Golf bag and caddy cart, Combined. D. E. Smith. 2,520,226, Aug. 29.
Golf bag carrier. M. Vosseler and K. Starz. 2,500,588, Mar. 14.
Golf bag construction. M. Barron. 2,509,195, May 23.

Golf ball cores, Making liquid filled. E. C. Uhlig. 2,524,687, Oct. 3.
Golf ball pocket. W. T. Previdi. 2,508,190, May 16.
Golf ball retriever. S. Ciambriello. 2,523,942, Sept. 26.
Golf ball retriever. W. H. Jasmer. 2,524,527, Oct. 3.
Golf ball teeing machine. B. A. Hogeberg. 2,530,698, Nov. 21.
Golf ball teeing device. J. Mozel. 2,525,823, Oct. 17.
Golf balls, Making. R. F. Smith. 2,499,344, Feb. 28.
Golf club. B. Miller. 2,503,506, Apr. 11.
Golf club. J. M. Scott. 2,517,245, Aug. 1.
Golf club, Adjustable. P. A. Chamberlain and C. Navratil. 2,495,444, Jan. 24.
Golf club carrier. R. K. Samuelson. 2,513,055, June 27.
Golf club carrier. H. A. Springer. 2,504,463, Apr. 18.
Golf club case. C. H. Johnson. 2,508,264, May 16.
Golf club, Combination. J. A. Beardsley. 2,530,446, Nov. 21.
Golf club construction. E. M. Miller. 2,520,950, Sept. 5.
Golf club cover. F. B. Le Fevre. 2,508,525, May 23.
Golf club cover. M. H. Rosenow and W. E. Schwalbe. 2,532,195, Nov. 28.
Golf club guiding device. J. A. Plunkett and E. R. Dorso. 2,520,287, Aug. 29.
Golf club head. E. M. Bright. 2,534,947, Dec. 19.
Golf club holding device. E. B. Moore. 2,496,808, Feb. 7.
Golt club, Indicating. W. H. Hollopeter. 2,501,277, Mar. 21.
Golf club, Practice type. W. Reineking. 2,497,237, Feb. 14.
Golf cup, Mechanical. S. G. Clarke. 2,508,100, May 16.
Golf practice apparatus. T. J. Butler. 2,521,776, Sept. 12.
Golf practice tee. G. W. Herman. 2,529,771, Nov. 14.
Golf practicing apparatus. B. C. Taylor. 2,510,266, June 6.
Golf putting game receptacle. W. Barnett. 2,508,701, May 23.
Golf tee. M. N. Gerlach. 2,508,155, May 16.
Golf tee. A. J. Parsons. 2,503,591, Apr. 11.
Golf tee. D. T. Phillips and J. Hutchens. 2,509,166, May 23.
Golf tee. J. E. Rickard. 2,531,470, Nov. 28.
Golf tee. C. W. Smith. 2,530,088, Nov. 14.
Golf tee, Practice. A. W. Powell, Sr. 2,494,197, Jan. 10.
Golf training device. H. W. Pond. 2,528,077, Oct. 31.
Golfer's accessory. E. M. Miller. 2,503,586, Apr. 11.
Goods segregator, Consumer. M. I. Bennett. 2,516,292, July 25.
Goose call. G. L. Herter. 2,518,616, Aug. 15.
Governing apparatus. M. A. Edwards and C. B. Lewis. 2,509,731, May 30.
Governing mechanism for extracting type turbines. C. E. Sederquist. 2,520,568, Aug. 29.
Governing mechanism for fuel injection pumps. F. Buck, F. W. Barbknecht, and R. Bowers. 2,507,689, May 16.
Governing mechanism for multistage elastic fluid turbines. L. B. Wales. 2,523,078, Sept. 19.
Governor. M. Mallory. 2,505,292, Apr. 25.
Governor. T. Tognola. 2,519,801, Aug. 22.
Governor. D. R. Webb. 2,517,150, Aug. 1.
Governor and idle control, Electric. L. S. Troy. 2,499,263, Feb. 28.
Governor, Centrifugal fluid. E. F. Kohl. 2,518,478, Aug. 15.
Governor, Centrifugal, particularly for varying the timing of ignition. T. G. Louis. 2,528,698, Nov. 7.
Governor control for dual fuel engines. E. Rathbun. 2,502,990, Apr. 4.
Governor control mechanism. W. J. Whitehead. 2,527,867, Oct. 31.
Governor device, Centrifugal. S. Wallace. 2,495,617, Jan. 24.
Governor, Engine. R. C. Barnes. 2,511,095, June 13.
Governor, Fluid pressure. E. R. Fitch. 2,508,344, May 16.
Governor, Fluid pressure compressor. A. J. Bent. 2,501,706, Mar. 28.
Governor for engines. E. C. Hallett. 2,503,946, Apr. 11.
Governor for fuel feed, Adjustable. J. D. Ryder. 2,506,940, May 9.
Governor for gas turbines, Fuel feed. W. S. Bobier, Jr. 2,515,074, July 11.
Governor for motors, Speed. C. H. Sparklin. 2,532,345, Dec. 5.
Governor for portable tools. W. G. Mitchell. 2,504,441, Apr. 18.
Governor for sewing machine motors, Speed. C. H. Sparklin. 2,516,156, July 25.
Governor for slasher winding. J. A. Carrier. 2,518,417, Aug. 8.
Governor, Hydraulic speed. R. C. Darnell. 2,525,653, Oct. 10.
Governor, Magnetically coupled. A. N. Nilson. 2,508,619, May 23.
Governor, Motor speed. A. W. Haydon. 2,523,298, Sept. 26.
Governor, No load speed. F. A. Harvey. 2,531,335, Nov. 21.
Governor, Rotational speed. T. W. Dwelle. 2,533,564, Dec. 12.
Governor, Speed. G. E. Howard. 2,493,407, Jan. 3.
Governor, Speed. T. I. Larsen. 2,493,883, Jan. 10.
Governor, Speed. H. E. Warren. 2,500,478, Mar. 14.
Governor, Speed-responsive. G. F. Drake, W. J. Whitehead, and H. C. Plummer. 2,533,231, Dec. 12.
Governor with built-in overspeed trip. F. H. Sweet. 2,503,362, Apr. 11.
Gown, Hospital bed. E. K. Doughty. 2,497,764, Feb. 14.
Grab hook. B. H. Hook. 2,520,544, Aug. 29.
Grabhook, Claw. W. Spann. 2,494,010, Jan. 10.
Grab tool. W. N. Sutliff. 2,505,073, Apr. 25.
Grade gauge. G. R. Phillips. 2,503,408, Apr. 11.
Grader, Compaction. R. Q. Armington. 2,495,310, Jan. 24.
Grader, Road. R. G. Le Tourneau. 2,498,044, Feb. 21.
Grader, Road. F. J. Wright. 2,494,324, Jan. 10.
Grader, String bean. J. A. Pizzo. 2,523,055, Sept. 19.
Gradient measurement, Magnetic. R. E. Fearon. 2,520,677, Aug. 29.
Grading and excavating machine. R. Stumpf. 2,508,080, May 16.
Grading apparatus. H. R. Watson. 2,496,760, Feb. 7.
Grading machine, Olive. L. B. Sammis and F. R. Hood. 2,526,161, Oct. 17.
Grading of shoes and lasts, Diagonal. G. F. Ryan. 2,514,518, July 11.
Gradometer. G. Craft and V. G. Carlson. 2,493,946, Jan. 10.
Grain drier. S. J. Malecek. 2,529,953, Nov. 14.
Grain-feeding and threshing means for harvesters, Combination. N. E. Bunting. 2,493,105, Jan. 3.
Grain gathering mechanism. J. Verger. 2,506,980, May 9.
Grain preparation. V. L. Erlich. 2,494,544, Jan. 17.
Grain regulator. C. D. Strehlow. 2,513,215, June 27.
Grain separator. O. Welch. 2,520,667, Aug. 29.
Grain, Surface-coated abrasive. S. F. Walton and L. B. Bassett. 2,527,044, Oct. 24.
Grain treating mechanism. H. Wright and C. E. Blackman. 2,507,290, May 9.
Graining machine. E. R. Halpern. 2,519,757, Aug. 22.
Graining of lithographic and other printing plates. J. G. Lindmark. 2,516,222, July 25.
Graining or abrading lithographic plates or the like by centrifugal blast of wet slurry. O. E. Zahn. 2,532,136, Nov. 28.
Grandstand structure, Prefabricated. P. F. Blair and P. F. Blair, Jr. 2,524,769, Oct. 10.
Granular material feeding and spreading apparatus. E. E. Barkstrom and J. Gurskis, Jr. 2,507,294, May 9.
Granular polymerization of vinyl chloride. F. E. Condo and C. W. Schroeder. 2,528,469, Oct. 31.
Granulating ammonium nitrate and other salts and apparatus therefor. W. W. Yeandle. 2,528,407, Oct. 31.
Granulating DDT. N. E. Searle and A. L. Flenner. 2,518,191, Aug. 8.
Grapefruit cutter. J. H. Chavez. 2,503,097, Apr. 4.
Graph forming apparatus, Statistical. E. Correa. 2,502,707, Apr. 4.
Graphic privacy system. F. I. Samet. 2,526,694, Oct. 24.
Graphite anode, Electrolytically polished. J. Bakker. 2,494,425, Jan. 10.
Grapple. W. T. Fulton. 2,534,512, Dec. 19.
Grapple. D. W. Osmun. 2,518,430, Aug. 8.
Grapple, Canopy letter. T. C. Lotz. 2,523,661, Sept. 26.
Grapple, Log. N. R. Irrer. 2,520,722, Aug. 29.
Grass and weed cutter. E. Soenksen. 2,515,573, July 18.
Grass cutter. C. F. Jones. 2,526,821, Oct. 24.
Grate and burner bowl structure for gas cookstoves, Combination. H. M. Reeves. 2,532,461, Dec. 5.
Grate and burner, Gas range top. H. L. Warren. 2,499,707, Mar. 7.
Grate and grate bar. A. Balmfirth, F. V., and O. R. B. Collins. 2,527,872, Oct. 31.
Grate, Gas cookstove burner. H. M. Reeves. 2,530,991, Nov. 21.
Grate having fuel cutting means, Rotary. F. J. and E. West. 2,494,975, Jan. 17.
Grate having upwardly swingable means, Fireplace. H. W. Kutchera. 2,519,482, Aug. 22.
Grate, Water. N. T. Puckett. 2,500,323, Mar. 14.
Grate, Water-cooled. D. Klijzing. 2,512,431, June 20.
Grater having rotary disk, Household. J. Mantelet. 2,528,381, Oct. 31.
Grater having rotary drum, Food. R. McCoy. 2,493,496, Jan. 3.
Grater, Rotary food. A. F. Valenti. 2,524,335, Oct. 3.
Grater with feed screw reinforcing member, Hollow drum. J. E. Rustici. 2,529,473, Nov. 7.
Grater with grating drum, Kitchen. J. Mantelet. 2,502,867, Apr. 4.
Grating construction. A. W. Ernestus. 2,509,732, May 30.
Gravimeter. R. C. Sweet. 2,523,075, Sept. 19.
Gravity actuated boat pump. C. I. Weir. 2,493,050, Jan. 3.
Gravity fed dart magazine. H. Raffels. 2,516,341, July 25.
Gravity feed animal feeder. E. S. Lee. 2,494,950, Jan. 17.
Gravity feed wickless fuel oil fired heater. C. J. T. McPherson. 2,514,891, July 11.
Gravity sensitive variable inductance device. P. F. Shivers. 2,515,969, July 18.
Grease. A. W. Weitkamp and J. C. Stamm. 2,505,222, Apr. 25.

Grease and preparing same, Lubricating. A. J. Morway. 2,514,286, July 4.
Grease collector. C. W. Smith. 2,526,166, Oct. 17.
Grease composition. J. C. Zimmer and A. J. Morway. 2,521,438, Sept. 5.
Grease composition, Lubricating. H. V. Ashburn, R. S. Barnett, and O. P. Puryear. 2,508,741, May 23.
Grease composition, Lubricating. A. A. Bondi. Re. 23,243, June 20.
Grease composition, Reversible lubricating. A. J. Morway and J. C. Zimmer. 2,504,717, Apr. 18.
Grease compositions and preparation, Barium soap. T. W. Langer and O. P. Puryear. 2,503,749, Apr. 11.
Grease compositions, Lubricating. A. J. Morway and A. Beerbower. 2,522,460, Sept. 12.
Grease compositions, Lubricating. A. J. Morway and D. W. Young. 2,516,136, July 25.
Grease compositions, Stabilized lubricating. H. G. Smith and T. L. Cantrell. 2,506,905–6, May 9.
Grease dispenser. J. B. Freestone. 2,506,204, May 2.
Grease gun bracket. L. A. Wirth. 2,518,412, Aug. 8.
Grease gun loading device. C. I. and C. E. Cederholm. 2,530,944, Nov. 21.
Grease gun loading pail base for grease containers, with cutter and interlock means for said containers. E. P. Sundholm. 2,526,708, Oct. 24.
Grease gun with coaxial follower and impeller. C. C. S. Le Clair. 2,526,374, Oct. 17.
Grease, High-temperature ball-bearing. R. A. Butcosk. 2,495,651, Jan. 24.
Grease, High-temperature lubricating. H. W. Rudel and A. J. Morway. 2,503,969, Apr. 11.
Grease, Lime base. J. E. Schott and E. L. Armstrong. 2,513,680, July 4.
Grease, Stabilized lubricating. A. J. Morway. 2,514,331, July 4.
Grease trapping device. P. A. Spanos. 2,494,146, Jan. 10.
Greases, Aluminum soap. A. J. Morway and A. Beerbower. 2,521,395, Sept. 5.
Greases, High-temperature lubricating. A. J. Morway and J. J. Kolfenbach. 2,516,137, July 25.
Greases, Mixed base lubricating. A. J. Morway and Rosemary O'Halloran. 2,514,330, July 4.
Greenhouse, Miniature. R. F. Zaroban. 2,526,313, Oct. 17.
Green pigment composition. M. Scalera and R. E. Brouillard. 2,505,744, Apr. 25.
Greeting device and holder for phonograph records. W. L. McCulloh. 2,519,390, Aug. 22.
Grenade, Incendiary. L. F. Fieser, G. C. Harris, E. B. Hershberg, M. Morgana, F. C. Novello, and S. T. Putnam. 2,501,766, Mar. 28.
Grenade thrower. E. Garrett. 2,499,379, Mar. 7.
Grid cathode assembly for cathode-ray tubes. W. J. Tolson. 2,510,267, June 6.
Grid control metal envelope gas tube. E. K. Smith. 2,513,255, June 27.
Grid-controlled electron tube. A. H. Mankin and D. E. Sunstein. 2,535,307, Dec. 26.
Grid, Filling-fork. W. P. Squires. 2,498,610, Feb. 21.
Grid for electron discharge devices. M. Arditi and V. J. De Santis. 2,516,841, Aug. 1.
Grid, Ice tray. C. R. Carney. 2,521,964, Sept. 12.
Grid, Storage battery. J. L. Rupp. 2,503,970, Apr. 11.
Grid structure and fabrication. F. L. Salisbury. 2,515,267, July 18.
Griddle accessory. A. C. Hill. 2,522,175, Sept. 12.
Grill. U. K. Johannsen. 2,530,166, Nov. 14.
Grill and grid, Combination. M. J. Smith. 2,501,104, Mar. 21.
Grill, Barbecue. P. Loffredo. 2,511,594, June 13.
Grill, Fireplace. J. A. Durst, Jr. 2,523,200, Sept. 19.
Grill, Heating. E. Mosthaf. 2,494,447, Jan. 10.
Grilling device, Frankfurter. J. L. Steriss. 2,506,318, May 2.
Grille. H. I. Stover. 2,500,330, Mar. 14.
Grille, Air controlling. A. B. Newton. 2,533,175, Dec. 5.
Grille assembly, Vehicle radiator. W. H. Du Shane. 2,534,425, Dec. 19.
Grille, Lattice type. L. G. Stone. 2,520,222, Aug. 29.
Grille, Vent shuttle. L. J. Reynolds, Sr. 2,525,371, Oct. 10.
Grinder. G. C. Leach. 2,526,822, Oct. 24.
Grinder. W. S. Praeg. 2,524,541, Oct. 3.
Grinder. R. L. Schuhmann and F. C. Rudolph. 2,522,643, Sept. 19.
Grinder, Adjustable internal expansion. S. R. Keller. 2,510,928, June 6.
Grinder and feeder, Garbage. L. K. Knight. 2,505,674, Apr. 25.
Grinder and feeding machine, Livestock feed. R. Thornton. 2,509,946, May 30.
Grinder and polisher, Belt. L. D. Jensen. 2,532,500, Dec. 5.
Grinder, Crankshaft. H. T. Rutherford. 2,531,160–1, Nov. 21.
Grinder, Crankshaft. H. T. Rutherford. 2,531,163, Nov. 21.
Grinder, Cylinder ridge. J. P. Dolmage. 2,528,043, Oct. 31.
Grinder, Drill. G. Munro. 2,498,701, Feb. 28.
Grinder for material in suspension. C. B. Newell and E. R. Vincent. 2,496,017, Jan. 31.
Grinder for tools, Radius. H. F. Ryan. 2,526,507, Oct. 17.
Grinder, Form. C. J. H. Butler. 2,512,303, June 20.
Grinder, Hammer mill type garbage. D. W. Miller and E. G. Brown. 2,509,242, May 30.
Grinder having a split casing, Food. W. R. Amstutz. 2,495,309, Jan. 24.
Grinder, including canted rotary cutting elements and canted fixed cutting masks, Garbage. R. D. Heller. 2,501,275, Mar. 21.
Grinder, Matched edge lawn mower. H. Pater and F. Bruckmeier. 2,530,479, Nov. 21.
Grinder, Meat. M. M. P. Jorgensen. 2,509,002, May 23.
Grinder, Meat. I. N. Vant. 2,524,860, Oct. 10.
Grinder, Mower sickle. R. Howell. 2,520,210, Aug. 29.
Grinder or comminutor, Vertical axis food. E. V. Taylor. 2,495,948, Jan. 31.
Grinder, Portable slideway. L. Sichel. 2,524,332, Oct. 3.
Grinder, Profiling. E. A. Angerby, S. G. Carlsson, and S. G. Blom. 2,521,958, Sept. 12.
Grinder, Scissors. J. V. Amendola. 2,518,111, Aug. 8.
Grinder-shaker. W. P. Jatkoe and C. A. Kurrash. 2,507,670, May 16.
Grinder, Valve seat. J. S. Klein, Jr. 2,535,292, Dec. 26.
Grinding. J. A. Cupler, II. 2,508,102, May 16.
Grinding and mixing mortar with integral pestle, Integral. M. L. Cooper. 2,525,867, Oct. 17.
Grinding and polishing device, Belt. A. N. Emmons. 2,507,372, May 9.
Grinding and polishing machine, Lens. P. Okey. 2,493,206, Jan. 3.
Grinding apparatus. A. J. Brunner and A. Wennerberg. 2,507,298, May 9.
Grinding bodies, Producing. G. E. Björklund. 2,510,493, June 6.
Grinding concentrically to a predetermined center in a centerless grinding machine. W. L. Garberding. 2,515,210, July 18.
Grinding flat coil spring bands and a work holder therefor. H. J. Duester. 2,511,700, June 13.
Grinding machine. M. H. Arms and P. A. Grobey. 2,520,267, Aug. 29.
Grinding machine. A. N. Emmons. 2,527,003, Oct. 24.
Grinding machine. A. D. Ferguson. 2,497,076, Feb. 14.
Grinding machine. C. G. Flygare, C. C. Alvord, and W. L. Drown. 2,527,804, Oct. 31.
Grinding machine. J. E. Grogan. 2,526,350, Oct. 17.
Grinding machine. R. Keyzer-André. 2,514,245, July 4.
Grinding machine. H. A. Silven and C. G. Flygare. 2,522,485, Sept. 12
Grinding machine. H. E. Sjöstrand. 2,498,012, Feb. 21.
Grinding machine. W. H. Wood. 2,534,937, Dec. 19.
Grinding machine and like machine tools. C. W. Whiting. 2,520,868, Aug. 29.
Grinding machine, Automatic. W. F. Fraser. 2,517,193, Aug. 1.
Grinding machine, Cam. R. E. Price. 2,535,549, Dec. 26.
Grinding machine, Camshaft. C. J. Green. 2,508,998, May 23.
Grinding machine, Camshaft. C. J. Green and O. E. Hill. 2,535,130, Dec. 26.
Grinding machine, Centerless. G. E. Hieber. 2,494,555, Jan. 17.
Grinding machine, Centerless. A. Scrivener. 2,512,974, June 27.
Grinding machine, Coffee. S. E. Richeson. 2,519,198, Aug. 15.
Grinding machine, Crankpin. H. A. Silven and D. R. Percival. 2,503,889, Apr. 11.
Grinding machine, Cylinder. C. A. Fulmer. 2,521,210, Sept. 5.
Grinding machine, Disk. F. P. Froese. 2,498,951, Feb. 28.
Grinding machine, Internal. T. H. Ljunggren. 2,502,862, Apr. 4.
Grinding machine, Lens. E. Grasser. 2,528,137, Oct. 31.
Grinding machine, Nozzle. M. H. Arms, P. A. Grobey, and H. M. Day. 2,513,228, June 27.
Grinding machine, Precision. G. H. Asbridge. 2,526,796, Oct. 24.
Grinding machine, Refrigerated meat. M. Pacciano, Jr. 2,526,498, Oct. 17.
Grinding machine, Rotary cutting tool. W. Melin. 2,494,825, Jan. 17.
Grinding machine, Spiral. A. A. Tobias. 2,503,926, Apr. 11.
Grinding machine, Thread. F. Turrettini. 2,513,694, July 4.
Grinding method. H. W. Meyer. 2,511,934, June 20.
Grinding, Method and apparatus for. W. G. Baldenhofer. 2,534,941, Dec. 19.
Grinding mill control. F. C. Bond. 2,534,656, Dec. 19.
Grinding, milling, or the like machine for producing parts of complex shape, more particularly the blades of axial compressors or turbines. F. W. Whitehead and W. H. Bedford. 2,527,285, Oct. 24.
Grinding noncircular sections. C. W. Hopkins. 2,498,163, Feb. 21.
Grinding of elongated rollers that are curved lengthwise, Centerless. A. H. Lundius. 2,493,302, Jan. 3.
Grinding of longitudinally contoured articles, Centerless. R. H. Cramer. 2,526,332, Oct. 17.
Grinding of rollers. R. H. Cramer. 2,507,334, May 9.

Grinding or abrasive machine of the disk type. F. W. Borgerson. 2,526,928, Oct. 24.
Grinding or honing, Method and apparatus for. L. E. Sterns. 2,497,021, Feb. 7.
Grinding process, Centerless. W. W. Gleeson. 2,494,938, Jan. 17.
Grinding process, Wet. H. R. Sailors. 2,520,439, Aug. 29.
Grinding rod and wire, Method and apparatus for. R. D. Green. 2,497,407, Feb. 14.
Grinding screw threads. C. W. Hopkins. 2,495,329, Jan. 24.
Grinding wheel dressing apparatus. J. C. Wilson. 2,535,183, Dec. 26.
Grinding wheel support. A. Monpain. 2,511,675, June 13.
Grinding wheels, Manufacturing vitrified. W. L. Howe. 2,534,127, Dec. 12.
Grip attachment for spinning socket wrenches, Stationary. G. J. Houston. 2,517,878, Aug. 8.
Grip for copyholder clamps. A. L. Mattern. 2,524,457, Oct. 3.
Grip for handles of poles, clubs, and like articles. D. F. Stanfield and E. Lopez, Jr. 2,523,637, Sept. 26.
Grip for pliers. R. J. Miller. 2,520,808, Aug. 29.
Grip positioning apparatus for control cams, Intermittent. F. H. Owens. 2,535,514, Dec. 26.
Grip, Rotary crank-driven intermittent. F. A. Gruetjen. 2,535,918, Dec. 26.
Grip testing device. C. G. Meyer. 2,526,495, Oct. 17.
Grip with lever actuator, Intermittent. E. Cipriano. 2,515,032, July 11.
Gripper. R. T. Riker and J. H. Molat. 2,504,152, Apr. 18.
Gripper for diamonds, Mechanical. T. P. N. Burness and A. Johnson. 2,513,139, June 27.
Gripper for dowel machines. M. Despres. 2,525,118, Oct. 10.
Gripper for printing presses. C. L. Lance. 2,535,935, Dec. 26.
Gripper for printing presses, Delivery. J. F. Banthin. 2,509,030, May 23.
Gripper, Pivoted arm cap. H. H. Howell. 2,505,738, Apr. 25.
Gripper-type cork extractor. J. N. Amigone. 2,495,308, Jan. 24.
Gripper, Vegetable or fruit. C. G. Nohrden. 2,502,739, Apr. 4.
Gripping and tensioning device for rubbing pad abrading sheets. P. Zasadny and B. J. Zitek. 2,519,620, Aug. 22.
Gripping device for sheet metal stretching machines. E. L. Tinley. 2,522,319, Sept. 12.
Gripping device to remove bushings and the like. R. H. Grant. 2,496,005, Jan. 31.
Gripping device, Transmission. J. O. Stephenson and J. H. Hillis. 2,523,734, Sept. 26.
Gripping head for electric cables, Battery post. W. N. Stevenson. 2,532,127, Nov. 28.
Gripping or cutting hand tool. K. J. Klenk. 2,535,215, Dec. 26.
Gripping tool. G. G. and H. R. Hanson. 2,514,760, July 11.
Grit blasting apparatus and the like. J. A. Sargrove. 2,520,566, Aug. 29.
Grit feed valve. W. H. Mead. 2,521,931, Sept. 12.
Grommet. W. K. Anderson. 2,518,851, Aug. 15.
Groove cutting tool. A. K. G. B. Törnborg. 2,515,810, July 18.
Groover, Tire. W. F. Errig and E. S. De Hart. 2,532,156, Nov. 28.
Grooving laminated plywood. G. H. Norquist. 2,505,789, May 2.
Grooving machine, Shingle. L. E. Rackleff. 2,516,484, July 25.
Grooving or necking mechanism. H. H. Weld. 2,521,619, Sept. 5.
Grooving tool. O. V. Johnson. 2,520,639, Aug. 29.
Grooving tool. F. H. Mitchell. 2,508,183, May 16.
Grooving tool. G. L. Stevens. 2,509,581, May 30.
Ground clamp. M. D. Reddock. 2,533,897, Dec. 12.
Ground lug. C. M. Chorpening. 2,513,147, June 27.
Ground mine. N. T. Colby. 2,509,213, May 30.
Ground-piercing machine, Hydraulic. E. J. Kiss and H. W. Brown. 2,517,494, Aug. 1.
Ground-relay transmission-line protection. W. K. Sonnemann. 2,516,025, July 18.
Ground speed indicator. G. Agins. 2,519,422, Aug. 22.
Ground system. N. E. Lindenblad. 2,522,879, Sept. 19.
Ground trainer for aircraft personnel. F. M. Pearsall. 2,519,698, Aug. 22.
Ground trainer, Night and all-weather. C. J. Crane. 2,492,969, Jan. 3.
Grounding cables. R. R. Wisner. 2,531,183, Nov. 21.
Grounding device. E. B. Clark. 2,525,447, Oct. 10.
Grounding device for alternating-current circuits, Resonant. L. H. Harrison. 2,535,064, Dec. 26.
Grounding device for vehicles, Static. C. C. Criss. 2,524,163, Oct. 3.
Grounding device for vehicles, Static electricity. C. Brummer. 2,521,337, Sept. 5.
Grounding device, Static electricity. E. E. Selhost. 2,526,908, Oct. 24.
Grouping storage battery plates. J. Anderson, Jr. 2,505,514, Apr. 25.
Grouter for tractor wheels. M. L. Seymour. 2,501,973, Mar. 28.
Growing and cultivating asparagus. R. C. Zuckerman. 2,511,091, June 13.
Growing bean sprouts, Method of. D. T. Persha and J. F. Paulucci. 2,522,798, Sept. 19.
Grub scrubber. W. Abildgaard and C. C. Herbert. 2,529,531, Nov. 14.
Grubbing machine. W. F. Welch. 2,511,657, June 13.
Guaiac treatment, Gum. H. C. Black. 2,529,446, Nov. 7.
Guanamines, Production of. J. S. Mackay. 2,527,314, Oct. 24.
Guanidine salts, Preparation of. W. H. Hill. 2,524,054, Oct. 3.
Guanidine sulfates, Production of. J. S. Mackay. 2,515,244, July 18.
Guard: *See*—
Chain guard. Mower guard.
Guard and cover for craftsmen's tables, Combined. P. M. Nahmens. 2,515,466, July 18.
Guard and dust collector, Combined safety. M. F. Harrison. 2,499,582, Mar. 7.
Guard and making same, Garment hanger. H. B. Tillery. 2,510,043, May 30.
Guard, Animal. W. A. Letson. 2,533,168, Dec. 5.
Guard, Bed. V. W. Rutkowski. 2,496,068, Jan. 31.
Guard, Blade. J. Frechtmann. 2,517,649, Aug. 8.
Guard, Bridge. C. G. Gottholm. 2,531,565, Nov. 28.
Guard, Cattle. L. A. Henningsen. 2,535,795, Dec. 26.
Guard, chain. H. L. Mueller. Re. 23,250, July 18.
Guard device for syringes for use with heat-fluent materials. H. F. Boeger. 2,532,598, Dec. 5.
Guard, Drafting-scale. E. W. Coffey. 2,504,251, Apr. 18.
Guard, Electric receptacle. D. M. Stubbs. 2,507,654, May 16.
Guard, Electrical cattle. C. L. Evans. 2,512,740, June 27.
Guard, Enclosure. C. Willers. 2,503,144, Apr. 4.
Guard, Fishhook. J. V. Modesto. 2,522,292, Sept. 12.
Guard for automobile door handles, Safety. F. E. Bronson. 2,523,940, Sept. 26.
Guard for barn cleaners, Corner. H. W. Baehr. 2,513,706, July 4.
Guard for caster wheels, Thread. E. M. Heffernan. 2,523,659, Sept. 26.
Guard for chimneys, Moisture. L. Smart and S. Valentine, Jr. 2,501,011, Mar. 21.
Guard for double twist spindle assembly, Yarn. J. K. Cochran. 2,503,936, Apr. 11.
Guard for ear ornaments, Safety. V. and A. Austrin. 2,525,195, Oct. 10.
Guard for foot presses, power presses, and die sets, Safety. J. Swan. 2,524,090, Oct. 3.
Guard for footwear, Slip-on heel-splash. M. F. Robinson. 2,521,021, Sept. 5.
Guard for grain drills, Dirt. W. A. Hyland. 2,533,374, Dec. 12.
Guard for laundry bag pins. R. C. Chapman. 2,507,332, May 9.
Guard for lawn mowers. H. A. Johnson. 2,499,922, Mar. 7.
Guard for linemen's climbers, Gaff. C. N. Wollensack. 2,497,710, Feb. 14.
Guard for material cutting apparatus. R. K. Scherig. 2,518,076, Aug. 8.
Guard for mines, Trolley wire. R. K. Hurt. 2,512,022, June 20.
Guard for nozzle spray deflectors. F. W. Wahlin. 2,535,766, Dec. 26.
Guard for planing machines, Safety. O. Boisvert. 2,521,499, Sept. 5.
Guard for power mowing machines. W. H. Phelps. 2,511,124, June 13.
Guard for power presses, Double sweep safety. P. J. Murcko. 2,501,347, Mar. 21.
Guard for presses, Safety. G. F. Beebe. 2,531,837, Nov. 28.
Guard for railway journal boxes, Dust. P. F. Nardulli. 2,497,056, Feb. 7.
Guard for receptacles, Protective. T. A. Breshears and J. A. Franco. 2,525,519, Oct. 10.
Guard for rotary disks. W. H. Woodward. 2,496,613, Feb. 7.
Guard for safety pins. C. F. Galloway. 2,524,346, Oct. 3.
Guard for shoes, Heel. W. D. Smith. 2,502,237, Mar. 28.
Guard for shoes, Splash. B. A. Guggisberg and J. S. Kuslich. 2,517,305, Aug. 1.
Guard for use in painting and cleaning operations. J. S. Lister. 2,517,220, Aug. 1.
Guard for use on shoe heels, Splash. C. F. Hoover and J. Nissley. 2,497,609, Feb. 14.
Guard, Garment hanger. H. B. Tillery. 2,510,044, May 30.
Guard, Grease well journal box dust. S. W. Clutton. 2,497,864, Feb. 21.
Guard, Grill. L. Longeway. 2,501,065, Mar. 21.
Guard, Guy. K. R. Runde and N. J. Rees. 2,511,012, June 13.
Guard, Hosiery. L. L. Kirtz. 2,493,878, Jan. 10.
Guard, Knee. A. E. Vold. 2,534,888, Dec. 19.
Guard, Lip. E. J. Meunier. 2,535,084, Dec. 26.
Guard, Lock. S. F. Stanley. 2,531,865, Nov. 28.
Guard, Machine tool coolant. H. C. Kemper and H. J. Siekmann. 2,502,792, Apr. 4.

Guard, Mowing machine. E. H. Zipf. 2,523,640, Sept. 26.
Guard or brace, Knee. R. O. S. Shook. 2,532,955, Dec. 5.
Guard or fence for eaves troughs. A. Walton. 2,515,027, July 11.
Guard, Plaster. M. J. Cafiero. 2,497,928, Feb. 21.
Guard, Portable lamp. O. L. Marshall. 2,510,708, June 6.
Guard, Press. W. S. Wilkins. 2,514,271, July 4.
Guard, Protective face. H. L. Zeller. 2,525,389, Oct. 10.
Guard, Rat. E. L. Bush. 2,493,107, Jan. 3.
Guard, Rat. E. H. Carder and L. H. Cook. 2,513,141, June 27.
Guard, Rat. G. Mucke. 2,525,234, Oct. 10.
Guard, Shuttle. H. E. Schaller. 2,532,950, Dec. 5.
Guard, Sink. E. G. Mau. 2,510,238, June 6.
Guard, Skylight. M. Isacoff. 2,515,451, July 18.
Guard, Splash. R. F. Denzer. 2,495,195, Jan. 17.
Guard, Tooth. V. H. Carpenter. 2,521,039, Sept. 5.
Guard, Trailer hitch. G. Lachowicz. 2,497,362, Feb. 14.
Guard, Veneer-clipper safety. L. A. Mueller. 2,506,610, May 9.
Guard, Weighing scale pendulum. L. S. Williams. 2,525,056, Oct. 10.
Guard, Welder's ear. V. G. Oaks. 2,532,852, Dec. 5.
Guards, Twin, storm sash, and screen construction. L. E. Johnson. 2,502,010, Mar. 28.
Guide and spreader for electric selector switches, Combined contact brush. G. Deakin. 2,495,702, Jan. 31.
Guide and supporting means for portable power saws. R. M. Laughlin. 2,513,497, July 4.
Guide, Automatic electric tractor. W. C. Jenkins. 2,496,727, Feb. 7.
Guide, Belt. A. Dion. 2,522,435, Sept. 12.
Guide, Clamp. J. K. van der Schuur. 2,494,676, Jan. 17.
Guide clip for repairing commutators. G. W. Dinkler. 2,522,865, Sept. 19.
Guide collet. G. Gorton. 2,496,995, Feb. 7.
Guide, Curtain rod. I. B. Kubiliunas. 2,520,217, Aug. 29.
Guide device for flush tank ball valves, Adjustable. M. R. Green. 2,494,655, Jan. 17.
Guide device for impression trays, Trimming. S. C. Fournet. 2,511,465, June 13.
Guide device, Stylus. J. Lapir. 2,522,384, Sept. 12.
Guide, Drawer. B. M. Baker. 2,519,623, Aug. 22.
Guide, Drawer. C. W. Koch. 2,508,269, May 16.
Guide, Drill. C. W. Kandle. 2,524,262, Oct. 3.
Guide, Electric wave. E. C. Cork and M. Bowman-Manifold. 2,494,691, Jan. 17.
Guide, Electromagnetic wave. E. C. Cork and M. Bowman-Manifold. 2,512,849, June 27.
Guide, Filer's. T. F. and N. J. Perron. 2,503,063, Apr. 4.
Guide, Fishing rod. M. Korus. 2,518,908, Aug. 15.
Guide for attachment to newspaper-containing receptacles. R. E. White. 2,519,525, Aug. 22.
Guide for ball valves. G. S. and E. J. Vilandré. 2,495,616, Jan. 24.
Guide for barn cleaner conveyers. V. L. Custer. 2,499,212, Feb. 28.
Guide for conduits, Wire. U. L. McCroskey. 2,515,724, July 18.
Guide for disk type magnetic recorder-reproducers. J. H. James. 2,535,495, Dec. 26.
Guide for drawers or shelves. N. A. Gussack. 2,534,350, Dec. 19.
Guide for fishing rods, Line. A. C. Brandt. 2,514,929, July 11.
Guide for flush tanks, Lever. S. Gertz. 2,498,952, Feb. 28.
Guide for grooving phonograph record disks. V. F. Sager. 2,500,873, Mar. 14.
Guide for mailing machines, Stamp. J. W. McCausland. 2,500,845, Mar. 14.
Guide for machine tool elements, Supporting. W. S. Neighbour. 2,525,712, Oct. 10.
Guide for molding machines, Double-action. B. B. Graham. 2,525,894, Oct. 17.
Guide for papermaking machines, Wire. K. A. Karlsson. 2,494,245, Jan. 10.
Guide for rubber mills. E. M. Winegar and A. P. Grover. 2,513,541, July 4.
Guide for sawmill edgers, Shadow line. G. A. Horstkotte. 2,510,471, June 6.
Guide for sewing machines, Adjustable needle. A. B. Clayton. 2,496,243, Jan. 31.
Guide for sewing machines, Edge. R. Bisignano. 2,515,585, July 18.
Guide for sewing machines, Fabric. L. Schwartz. 2,535,234, Dec. 26.
Guide for sewing machines, Feeding. P. and T. Levine. 2,518,340, Aug. 8.
Guide for the blind, Writing. M. M. Erickson. 2,529,005, Nov. 7.
Guide for the blind, Writing. R. A. Marks. 2,530,437, Nov. 21.
Guide for the suspension shaft of the bowl of a cream separator, Elastic. E. L. J. Jadoul. 2,494,815, Jan. 17.
Guide for typewriting machines, Detachable ribbon. C. P. Huether. 2,518,893, Aug. 15.
Guide for washing machines, Work unloading. F. A. Gerlach. 2,508,245, May 16.
Guide for washing machines, Work unloading. C. O. Knowlton. 2,508,268, May 16.
Guide, Hair cutting. B. Arnold. 2,510,943, June 13.
Guide, Harness. F. G. Lake and E. H. Ashton. 2,510,404, June 6.
Guide, Hose. T. Olsen and W. Copeland. 2,501,407, Mar. 21.
Guide, Ice-cream container mouth. H. C. Sutherland. 2,503,525, Apr. 11.
Guide, Iron cord. F. J. Aves. 2,510,055, June 6.
Guide, Ladle pouring. M. J. Haklin, Jr. 2,519,313, Aug. 15.
Guide, Lay. E. A. Mastriani and K. Kulczycki. 2,493,634, Jan. 3.
Guide, Machine tool. J. M. Walter. 2,522,695, Sept. 19.
Guide means. R. Liona. 2,520,466, Aug. 29.
Guide, Pallet stacking. G. E. Fletcher. 2,495,711, Jan. 31.
Guide patch. G. V. Whittle. 2,498,729, Feb. 28.
Guide, Pencil. T. T. Dolan. 2,498,105, Feb. 21.
Guide, Picker stick. E. H. Ashton. 2,496,368, Feb. 7.
Guide, Plasterer's. H. Oscar. 2,524,634, Oct. 3.
Guide, Power hammer ram. J. W. O'Donnell. 2,504,347, Apr. 18.
Guide, Power transmission belt. D. H. Taylor. 2,499,173, Feb. 28.
Guide roller and hinge structure. W. A. Norberg. 2,525,309, Oct. 10.
Guide, Saw filer. J. H. Speed. 2,495,991, Jan. 31.
Guide, Saw table work. H. E. Musselman. 2,521,302, Sept. 5.
Guide structure for flush valve stems. F. J. Johnson. 2,525,299, Oct. 10.
Guide, Tool. C. P. Davis and E. W. Moles. 2,510,083, June 6.
Guide, Trailer. J. D. Greenstreet. 2,513,931, July 4.
Guide, Typewriter paper. V. D. Reid, Sr. 2,527,764, Oct. 31.
Guide vane for axial flow screw fans, propellers, pumps, and the like. M. T. Adamtchik. 2,524,869, Oct. 10.
Guide, Vehicle window. B. S. Floraday. 2,494,040, Jan. 10.
Guideway for slidable vise jaws, Antifriction. M. F. Ward. 2,518,102, Aug. 8.
Guide, Welt. J. S. Spatola. 2,514,265, July 4.
Guide, Window glass. C. F. Schlegel. 2,503,887, Apr. 11.
Guide, Window shade. A. Baron. 2,507,952, May 16.
Guiding and landing system, Radio. D. Weighton. 2,519,521, Aug. 22.
Guiding means for rolling mills and the like. S. E. M. Norlindh. 2,506,682, May 9.
Guiding mechanism, Thread. M. Pedersen. 2,523,054, Sept. 19.
Guiding objects through dispensing machines. L. C. Case. 2,511,099, June 13.
Guitar body construction. T. W. Mitchell. 2,498,926, Feb. 28.
Guitar with harmonic facilities, Hawaiian electric. J. W. Gillenwater. 2,500,172, Mar. 14.
Gulley emptying apparatus incorporating a vacuum chamber. L. H. Riddell. 2,525,372, Oct. 10.
Gulley or catch pit for surface drainage purposes. E. N. Hughes. 2,518,620, Aug. 15.
Gum product and the manufacture thereof, Alginous. V. C. E. Le Gloahec. 2,513,416, July 4.
Gummed tape dispenser. B. A. Arvidson and W. C. Ruth. 2,506,262, May 2.
Gummed tape dispenser. J. B. Hudson. 2,506,504, May 2.
Gummed tape dispenser. E. S. Richardson. 2,519,701, Aug. 22.
Gun, Abrasive. J. A. Paasche. 2,526,403, Oct. 17.
Gun, Air. P. F. Vincent. 2,495,829, Jan. 31.
Gun, Air. W. S. Wells. 2,499,340, Feb. 28.
Gun, Air operated. A. A. Johnson. 2,505,972, May 2.
Gun, Air operated grease. E. H. Scovell. 2,505,839, May 2.
Gun and holster therefor, Bubble. R. Lorenz. 2,518,627, Aug. 15.
Gun assembly, Perforating. R. A. Lillich. 2,530,707, Nov. 21.
Gun attachment for crash fire and rescue work, Fog. D. W. Albertson. 2,525,757, Oct. 17.
Gun case. G. T. Bradley and E. E. Brown. 2,531,550, Nov. 28.
Gun case. H. W. Schoellkopf, Jr., and G. A. Hanson. 2,524,931, Oct. 10.
Gun, Casing perforating. J. A. Bond. 2,530,805, Nov. 21.
Gun, Cement. B. P. Nicholson. 2,518,811, Aug. 15.
Gun, Chemical trap. J. U. Lehn. 2,512,252, June 20.
Gun clearing device. L. F. Young. 2,495,800, Jan. 31.
Gun control mechanism. H. Ernst and B. Sassen. 2,498,033, Feb. 21.
Gun-controlling mechanism. H. F. Landstad. 2,523,959, Sept. 26.
Gun, Double-barreled automatic. P. R. Higson. 2,509,734, May 30.
Gun, Doughnut. D. F. Jones. 2,507,254, May 9.
Gun for aircraft personnel catapult and other uses, Telescopic. C. W. Musser. 2,516,902, Aug. 1.
Gun for making powdered metal and like material. M. F. W. Heberlein. 2,527,009, Oct. 24.
Gun, Harpoon. B. S. Holderness. 2,504,525, Apr. 18.
Gun, Harpoon. C. H. Kearny. 2,496,217, Jan. 31.
Gun, Harpoon. A. C. Ridland. 2,522,060, Sept. 12.

Gun, Lubrication. E. W. Davis. 2,497,762, Feb. 14.
Gun, Magazine loaded recoilless. C. D. Burney. 2,503,578, Apr. 11.
Gun mount mechanism for controlling the aiming of a gun, Quadruple 20 millimeter. J. M. Ewart. 2,534,344, Dec. 19.
Gun, Multicolor spray. A. H. Downs. 2,504,116, Apr. 18.
Gun of recoilless type, Shoulder. M. E. Barker. 2,515,180, July 18.
Gun package. R. H. Cocks and R. G. Smith. 2,493,945, Jan. 10.
Gun perforator. A. E. Hambly. 2,517,560, Aug. 8.
Gun perforator. P. W. Martin. 2,530,833, Nov. 21.
Gun perforator. J. O. Tow. 2,509,657, May 30.
Gun perforator. J. O. Tow. 2,530,844, Nov. 21.
Gun, Pneumatic bottle shooting. W. G. Sherman. 2,525,082, Oct. 10.
Gun, Putty. A. Power. 2,496,233, Jan. 31.
Gun, Repeating air. E. E. Carter. 2,528,495, Nov. 7.
Gun rest. C. C. Reed. 2,517,927, Aug. 8.
Gun rest, Safety. J. A. Pendergrass. 2,526,768, Oct. 24.
Gun, Rivet bucking. J. H. Sargent, C. W., J. R., M. E., and H. H. Harmon, J. H. Sargent, Jr., and J. L. Sargent. 2,512,532, June 20.
Gun, Sandblast. S. Morel. 2,518,047, Aug. 8.
Gun, Sediment test. J. G. Lucas. 2,515,522, July 18.
Gun, Self-loading air. W. S. Wells. 2,528,462, Oct. 31.
Gun sight. A. Barnes. 2,498,329, Feb. 21.
Gun sight. E. E. Chase, E. S. Nokes, F. E. Stratton, and W. V. Goodhue. 2,502,506, Apr. 4.
Gun sight. M. De Jonge. 2,498,155, Feb. 21.
Gun sight. D. V. Gallery, Jr. 2,534,258, Dec. 19.
Gun sight attachment. J. P. Bentley. 2,519,220, Aug. 15.
Gun sight, Illuminated. G. J. Teffault. 2,529,057, Nov. 7.
Gunsight, Gyroscopically controlled. L. B. C. Cunningham, H. Ford, J. W. Barnes, B. Sykes, M. Hancock, and B. W. Robinson. 2,527,245, Oct. 24.
Gun, Spray. W. N. T. Morton. 2,504,216, Apr. 18.
Gun, Spray. F. Nieburg. 2,530,206, Nov. 14.
Gun, Spray. H. M. Norwick. 2,497,625, Feb. 14.
Gun, Spray F. H. Richterkessing. 2,513,676, July 4.
Gunstock ammunition container. J. R. Madsen. 2,495,977, Jan. 31.
Gun structure for cathode-ray tubes. R. E. Johnson. 2,498,082, Feb. 21.
Gun support. E. W. Olson. 2,520,285, Aug. 29.
Gun, Tank and spray. A. R. Lofstrand, Jr. 2,493,677, Jan. 3.
Gun, Toy repeating elastic band. R. Paul. 2,529,047, Nov. 7.
Gun turret. R. J. Reek and F. V. Kuzmitz. 2,520,736, Aug. 29.
Gun turret for aircraft, Power-operated. L. G. Frise. 2,519,129, Aug. 15.
Gun type oil burner. A. Cadella. 2,496,775, Feb. 7.
Gun type oil burner. T. W. Murphy. 2,505,336, Apr. 25.
Gun type oil burner. R. E. Nest. 2,502,664, Apr. 4.
Gun, Unitary ceramic electron. C. S. Szegho. 2,496,825, Feb. 7.
Gun, Water. C. B. Brassington and B. M. Stibitz. 2,519,737, Aug. 22.
Gun, Welding. J. J. Panik and W. T. Wilbur. 2,506,277, May 2.
Gun, Welding. A. T. Van Eck. 2,519,614, Aug. 22.
Gunnery practice range control device. C. W. Clarkson, Jr. 2,531,400, Nov. 28.
Gunnery trainer, Free. A. J. Ruiz and E. J. Kupjack. 2,520,964, Sept. 5.
Gunnery training device. A. L. O'Connor, Jr. 2,512,256, June 20.
Gusset clamp. J. C. Holland. 2,502,623, Apr. 4.
Gutter, Making ogee. W. A. Gray and N. J. Parris. 2,505,241, Apr. 25.
Gymnasticator. A. C. Hanson. 2,518,466, Aug. 15.
Gypsum products and making, Water-resistant. T. P. Camp. 2,526,537–8, Oct. 17.
Gyratory centrifugal, Suspended. C. A. Olcott. 2,524,678, Oct. 3.
Gyratory impact ball mill and grinding method. L. G. Symons. 2,500,908, Mar. 14.
Gyro caging device. W. Leathers and G. S. Di Monico. 2,521,379, Sept. 5.
Gyrocompass. L. F. Carter. 2,510,068, June 6.
Gyro erecting system. W. A. Reichel and J. F. Emerson. 2,516,912, Aug. 1.
Gyro erection system. J. A. Mead. 2,505,686, Apr. 25.
Gyrohorizon. A. J. Handel. 2,492,992, Jan. 3.
Gyro precessing means. D. F. Caris and W. W. Perkins. 2,494,429, Jan. 10.
Gyrostabilizer. J. S. Rhyne. 2,532,333, Dec. 5.
Gyrostabilizer. J. S. Rhyne and R. E. Holmes. 2,532,334, Dec. 5.
Gyro, Stable element. C. R. Hanna and L. B. Lynn. 2,519,459, Aug. 22.
Gyro vertical. F. D. Braddon. Re. 23,291, Nov. 7.
Gyro vertical. F. V. Johnson. 2,513,329, July 4.
Gyrovertical slaving system. F. D. Braddon. 2,533,217, Dec. 12.
Gyroscope. F. R. Fowler. 2,510,968, June 13.
Gyroscope. L. Hammond. 2,517,786, Aug. 8.
Gyroscope, Attitude. C. E. Barkalow and R. Haskins, Jr. 2,523,270, Sept. 26.
Gyroscope caging and uncaging device. E. Blomgren. 2,527,055, Oct. 24.
Gyroscope compensated for turn errors, Vertical. J. S. Adkins. 2,528,487, Nov. 7.
Gyroscope control device for bombs. B. E. Warren. 2,520,665, Aug. 29.
Gyroscope electrical connection apparatus. H. C. Wendt. 2,523,081, Sept. 19.
Gyroscope, Flight stabilizing control. J. P. Molnar and A. Carnvale. 2,507,451, May 9.
Gyroscope position indicating device. A. M. MacCallum. 2,534,463, Dec. 19.
Gyroscope positioning apparatus. H. C. Wendt. 2,524,553, Oct. 3.
Gyroscope precessing mechanism. L. J. Wong. 2,504,170 Apr. 18.
Gyroscope top. L. Sanders and C. Paff. 2,493,834, Jan. 10.
Gyroscopic apparatus. W. L. Tracy, O. E. Esval, and J. W. Robins. 2,514,426, July 11.
Gyroscopic flight indicator. F. D. Braddon. 2,512,607, June 27.
Gyroscopic sextant. J. B. Peterson. 2,533,686, Dec. 12.
Gyroscopic ship roll indicator. G. M. Strobino. 2,519,718, Aug. 22.
Gyroscopic system. J. W. Barnes and J. S. Philpot. 2,501,885, Mar. 28.
HF conversion of hydrocarbons. A. P. Lien and B. L. Evering. 2,525,811, Oct. 17.
HF extraction of high sulfur gas oil. J. J. Giachetto, J. F. Snuggs, and J. A. Bock. 2,532,492, Dec. 5.
HF-treating-catalytic cracking process, Combination. A. P. Lien and B. L. Evering. 2,525,812, Oct. 17.
Hacksaw, Adjustable frame. J. M. Leatherman. 2,514,880, July 11.
Hairbrush, Liquid dispensing. C. Wilson. 2,517,152, Aug. 1.
Hairbrush with adjustable bristle head. F. H. Lotters. 2,496,010, Jan. 31.
Hairbrush with slidable bristle cleaning means attached thereto. H. W. Fisk. 2,529,927, Nov. 14.
Hair curler. H. R. Bein. 2,497,714, Feb. 14.
Hair curler. J. S Cipolla. 2,508,374, May 23.
Hair curler. R. T. Clifton. 2,533,434, Dec. 12.
Hair curler. M. R. M. Gil. 2,500,456, Mar. 14.
Hair curler. A. Klein. 2,522,123, Sept. 12.
Hair curler. Q. W. Rogers. 2,523,062, Sept. 19.
Hair curler. D. B. Ross. 2,529,311, Nov. 7.
Hair curler. H. Steiner and R. B. Calcutt. 2,507,356, May 9.
Hair curler. H. E. Watkins. 2,505,315, Apr. 25.
Hair curler. R. K. Weaver. 2,499,204, Feb. 28.
Hair curler, Electromechanical. S. B. Kamara. 2,524,058, Oct. 3.
Hair curler for making sculpture curls. E. Klotkowski. 2,513,097, June 27.
Hair curler, Hollow. N. O. Stimson. 2,499,285, Feb. 28.
Hair curler, Mechanical. F. Kemp. 2,514,244, July 4.
Hair curling clip heater. P. D. Spaeth. 2,517,253, Aug. 1.
Hair curling device. M. F. Currie. 2,497,848, Feb. 21.
Hair curling device. J. Tusay. 2,498,830, Feb. 28.
Hair curling unit. M. O. Montgomery. 2,535,223, Dec. 26.
Hair dressing device. G. de Boer. 2,518,667, Aug. 15.
Hair drier. D. B. Crafts. 2,504,394, Apr. 18.
Hair drier. E. W. Farmer. 2,497,301, Feb. 14.
Hair drier. F. M. Murphy. 2,523,915, Sept. 26.
Hair drier. E. R. Potter. 2,496,232, Jan. 31.
Hair drier. L. J. Wahl. 2,514,528, July 11.
Hair drying apparatus. W. A. Lawrence. 2,527,745, Oct. 31.
Hair-drying cap. M. L. Sapp. 2,493,363, Jan. 3.
Hair drying unit. W. H. Bottorf. 2,528,335, Oct. 31.
Hair fastener. A. Goodman. 2,513,166, June 27.
Hair fastener. W. Huppert. 2,495,455, Jan. 24.
Hair holding device with face lifting function. M. J. Wallace. 2,509,658, May 30.
Hair net and forming same. H. F. Goldsmith. 2,524,255, Oct. 3.
Hair net for bobbed hair styles. A. M. Herschensohn. 2,534,351, Dec. 19.
Hairpin. G. A. L. Linden. 2,531,854, Nov. 28.
Hairpin. M. M. Newman. 2,529,224, Nov. 7.
Hairpin device. D. A. Brunner. 2,524,305, Oct. 3.
Hair retainer and making. L. T. Sawyer. 2,523,924, Sept. 26.
Hair shaper. D. Taylor. 2,530,917–8, Nov. 21.
Hairspring. E. Dubois. 2,507,698, May 16.
Hairspring overcoil raising tool. W. O. Bennett, Jr. 2,515,689, July 18.
Hair straightening device. L. Winston. 2,528,291, Oct. 31.
Hair treating apparatus. R. W. Shield. 2,510,664, June 6.
Hair wave processing indicator. R. E. Grigsby. 2,496,206, Jan. 31.
Hair waving device. J. Newmark. 2,530,662, Nov. 21.
Hair-waving device. R. A. Satrian. 2,535,959, Dec. 26.
Hair-waving mechanism, Permanent. C. A. Dixon. 2,519,639, Aug. 22.
Hair-waving pin. J. R. Brown. 2,508,563, May 23.

Halation reduction in cathode-ray tubes. D. W. Epstein. 2,517,774, Aug. 8.
Halide salt baths, Rectifying. I. L. Newell. 2,495,471, Jan. 24.
Halides, Production of unsaturated. G. J. Carlson. 2,494,034, Jan. 10.
Haloacrylic compounds, Production of. C. E. Barnes and W. O. Ney, Jr. 2,515,686, July 18.
Halogen compound, Production of organic. K. D. Detling. 2,501,597, Mar. 21.
Halogen-containing derivatives of dicarboxylic acids and producing them. M. S. Kharasch. 2,525,912, Oct. 17.
Halogenhydroxyarylaliphatic acids. D. Papa and E. Schwenk. 2,528,542. Nov. 7.
Halogen substituted aliphatic acid esters of cellulose, Preparing. D. D. Thompson. 2,518,203, Aug. 8.
Halogen substituted polycyclic aryl aliphatic acids. D. Papa and E. Schwenk. 2,524,827, Oct. 10.
Halogen thiophanthraquinones. H. R. Lee and V. Weinmayr. 2,513,574, July 4.
Halogenated acenaphthoyl alkanoic acids. R. R. Burtner. 2,512,518, June 20.
Halogenated compounds of the cholenic acid series. N. T. Farinacci. 2,520,276, Aug. 29.
Halogenated derivatives of lysergic acid, isolysergic acid, and their derivatives, and making same. A. Hofmann and F. Troxler. 2,516,002, July 18.
Halogenated hydrocarbons, Production of. L. Schmerling. 2,533,052, Dec. 5.
Halogenated nitroalkane sulfonates and making same. P. B. Polen. 2,521,307, Sept. 5.
Halogenation of peroxides. F. F. Rust, W. E. Vaughan, and R. W. Wheateroft. 2,501,966, Mar. 28.
Halogenation of polymers. M. L. Ernsberger. 2,503,252, Apr. 11.
Halogenation process. E. W. Kilgren and E. Gorin. 2,498,552, Feb. 21.
Halogenohydrocarbon derivatives of silanes. C. F. Kohl, Jr. 2,530,202, Nov. 14.
Halogenosilahydrocarbons and their production. J. T. Goodwin, Jr. 2,507,518, May 16.
Halomethyl-4-halobenzanthrones. D. I. Randall and S. R. Buc. 2,531,465, Nov. 28.
Halosilanes, Production of aromatic. A. J. Barry. 2,499,561, Mar. 7.
Halter. A. L. Kinskie. 2,525,684, Oct. 10.
Halter, Brassière. S. Elias. 2,498,487, Feb. 21.
Halving machine, Apple. F. Derbenwick, J. F. Ryan, Jr., and N. C. Calhoun. 2,505,235, Apr. 25.
Hammer. A. A. Bernard. 2,519,016, Aug. 15.
Hammer. H. H. Talboys and H. E. Erickson. 2,533,975, Dec. 12.
Hammer and renewable tip for hammer mills. E. C. Anderson. 2,531,597, Nov. 28.
Hammer, Auto fender. H. E. Conrad. 2,517,285, Aug. 1.
Hammer for dozer blades, Pneumatic. B. T. Alderman. 2,499,620. Mar. 7.
Hammer for impact pulverizers. C. E. Sennholtz. 2,534,302, Dec. 19.
Hammer, Gas. S. B. Maurer and H. P. Ebert. 2,533,487, Dec. 12.
Hammer guard for firearms. J. Phillips. 2,527,957, Oct. 31.
Hammer mill provided with means for detachably mounting the sizing screen. C. F. and H. D. Schutte. 2,532,262, Nov. 28.
Hammermill with auxiliary rotor for providing a more effective discharge of material. L. H. Ryan. 2,494,107, Jan. 10.
Hammer mill with material-deflecting feed structure, Reversible. J. G. Wilson. 2,514,111, July 4.
Hammer-peg board. J. Morrison. 2,523,965, Sept. 26.
Hammer, Pneumatic peck and panel. R. D. Litster. 2,527,508, Oct. 31.
Hammer, Power. F. H. Kind. 2,519,477, Aug. 22.
Hammer, Precision. A. A. Bamberger. 2,533,988, Dec. 12.
Hammer, Rotary vibratory. E. Craig. 2,500,402, Mar. 14.
Hammer, Quarry drop. G. D. Becker. 2,524,589, Oct. 3.
Hammer tip, Detachable. C. A. Ulfves. 2,499,802. Mar. 7.
Hammer tip, Detachable. C. A. Ulfves. 2,515,431, July 18.
Hammer, Tire removing. H. F. Seip. 2,525,429. Oct. 10.
Hammer tool. H. S. Sheldon. 2,501,542, Mar. 21.
Hammer with attached wear member, Impact. C. E. Sennholtz. 2,534,301, Dec. 19.
Hamper. H. G. Lankford, Jr. 2,531,520, Nov. 28.
Hand abrading tool. G. Le Bon. 2,507,914, May 16.
Hand and power drive. A. D. Meyer and C. F. Carlzen. 2,529,660, Nov. 14.
Handbag. E. H. Glover. 2,508,669, May 23.
Handbag, Bathtub. E. V. White. 2,529,983, Nov. 14.
Handbag, Compartmented. N. Feldman. 2,513,013, June 27.
Handbag having double compartment with individual closures and independently accessible bottle pockets, Utility. F. P. Syracuse. 2,533,850, Dec. 12.
Handbag having twin handbag portions, Reversible. M. Schwartzbard. 2,493,506. Jan. 3.
Handbag, Lady's. G. Sanders. 2,518,572, Aug. 15.
Handbag, Ornamental. M. Levinson. 2,504,551, Apr. 18.
Handbag, Pivotally mounted. F. V. Lewis. 2,508,825, May 23.
Hand bar. J. E. Seaberg. 2,495,987, Jan. 31.
Hand brake. K. Williams. 2,507,327, May 9.
Hand brake. K. Williams. 2,529,064, Nov. 7.
Handcart, Tiltable wheeled. E. De Lay. 2,532,015, Nov. 28.
Hand corn cutter. E. P. McNair. 2,511,933, June 20.
Hand cuff. A. J. Howe. 2,516,878, Aug. 1.
Hand cultivating tool. F. A. Stecker and W. D. McFarland. 2,504,746, Apr. 18.
Hand lead line. G. Bailhe. 2,514,437. July 11.
Hand line reel. L. C. Letzkus. 2,504,550, Apr. 18.
Handmicrophone of the pressure gradient type, Electrodynamic. R. K. Duncan. 2,520,714, Aug. 29.
Hand-operated food mixer. H. S. Williams. 2,520,075, Aug. 22.
Hand-operated pressure oilcan. C. A. Anderson. 2,504,371, Apr. 18.
Hand piece, Dental. M. Staunt. 2,504,233, Apr. 18.
Hand piece for dental drills. G. E. Bjorklund. 2,507,587, May 16.
Hand-propelled vehicle. W. Schneider. 2,518,642, Aug. 15.
Handrail attachment for beds. W. L. Moyer and J. C. Deck. 2,529,173, Nov. 7.
Handrail for bathtubs. T. D. Wallace. 2,511,756, June 13.
Hand remover for clocks and instruments. J. Maken and J. A. Lennox. 2,510,706, June 6.
Handsaw. H. Myers. 2,525,235, Oct. 10.
Handsaw set, Automatic. M. H. Wilbert. 2,503,981, Apr. 11.
Handset, Folding R. H. Herrick. 2,508,642, May 23.
Handset unit for timepieces. W. F. Riemer. 2,532,943, Dec. 5.
Hand switch. F. W. Baur. 2,511,618, June 13.
Handkerchief holder. W. E. Kugler. 2,495,012, Jan. 17.
Handkerchief, Imitation pocket. D. A. Ripple. 2,507,049, May 9.
Handkerchief, Ornamental simulated. T. H. Maurer 2,513,884, July 4.
Handkerchief, Simulated pocket. E. C. Dundon. 2,513,154, June 27.
Handle: *See*—
Adjustable tool handle.
Casket extension handle.
Combination syringe handle.
Detachable handle.
Detachable plane handle.
Detachable utensil handle.
Door handle.
Door latch handle.
Fishing rod handle.
Flush type door handle.
Knife handle.
Knitting or utility bag handle.
Manually propelled implement handle.
Mattress handle.
Molded luggage handle.
Pump handle.
Push and pull door handle.
Ratchet handle.
Removable utensil handle.
Sash hanger.
Spray gun handle.
Stacking box handle.
Street car grab handle.
Tool handle.
Valve handle.
Work illuminating tool handle.
Handle. H. Bachli and H. S. Shapiro. 2,535,382, Dec. 26.
Handle. T. Lamb. 2,493,764, Jan. 10.
Handle. H. M. Litterio. 2,509,306, May 30.
Handle. R. F. McVay. 2,528,239, Oct. 31.
Handle and can punch, Combination detachable. E. M. Oliver and B. F. Malherbe. 2,529,737, Nov. 14.
Handle and dental floss holder, Combination toothbrush. S. B. Streiler. 2,517,806, Aug. 8.
Handle and head construction, Toothbrush. S. B. Arwood. 2,511,235, June 13.
Handling and landing device, Fish. R. D. Lewry. 2,522,454, Sept. 12.
Handle and screen casing support for portable picture screens, Operating. J. T. Heck, L. J. Du Mais, and C. O. Talbot. 2,530,878, Nov. 21.
Handle and supporting structure for hand stamps. P. G. Delore. 2,521,286, Sept. 5.
Handle assembly. D. B. Ritchie. 2,523,144, Sept. 19.
Handle assembly for switches, Actuating. G. C. Crom. 2,498,651, Feb. 28.
Handle assembly for utensils. R. N. Kircher. 2,521,463, Sept. 5.
Handle assembly, Knockdown type lawn mower. B. T. Grobowski. 2,511,160, June 13.
Handle attachment, Broom rake. J. O. Stevens and F. F. Melvin. 2,519,714, Aug. 22.
Handle comprising two complementary and interlocked hollow-sections individually covered, Luggage. E. Jaffe. 2,528,831, Nov. 7.
Handle construction for ball valves. H. G. Freeman and A. T. Kosciusko. 2,523,617, Sept. 26.
Handle construction for sandpaper holders. F. R. Schueller. 2,493,505, Jan. 3.
Handle construction, Knife. R. J. and J. R. Slavsky. 2,529,618, Nov. 14.
Handle construction, Mattress. M. Bechik. 2,500,336, Mar. 14.
Handle, cord reel, and switch assembly. R. C. Osborn. 2,527,486, Oct. 24.
Handle for bottle carrying containers. E. L. Arneson. 2,511,317, June 13.
Handle for controllers, Safety. H. C. Krapf and P. L. Vollmer. 2,530,974, Nov. 21.

Handle for cooking utensils, Heat insulating. F. D. Patti. 2,511,786, June 13.
Handle for fishing rods. J. Carlson. 2,504,801, Apr. 18.
Handle for floor shears, Upstanding. A. Zidar. 2,530,215, Nov. 14.
Handle for garden and the like tools, Interchangeable. G. Carlson. 2,502,368, Mar. 28.
Handle for knives, Removable. B. D. Jacobson. 2,533,014, Dec. 5.
Handle for liquid vessels, Collar. H. G. Blakeslee. 2,495,688, Jan. 31.
Handle for market bags, Service. A. E. Elliott. 2,506,781, May 9.
Handle for mattresses and the like. M. Bechik. 2,532,657, Dec. 5.
Handle for model airplanes, Control. R. G. Rymer. 2,507,053, May 9.
Handle for portable percussive tools, Cushioned. F. J. Horvath. 2,500,036, Mar. 7.
Handle for portable shopping carts, Dual purpose. G. Simonian. 2,513,526, July 4.
Handle for pots and pans, Detachable. H. Bernstein. 2,494,159, Jan. 10.
Handle for power mowers, Shock absorbing. C. N. Turner. 2,535,466, Dec. 26.
Handle for sewn valve bags. M. Maccaferri. 2,522,833, Sept. 19.
Handle for shovels and the like, Extension. C. L. and P. C. Kopplin. 2,529,342, Nov. 7.
Handle for soldering irons and the like, Split. L. P. Young. 2,533,749, Dec. 12.
Handle for suitcases and the like. A. Romolt. 2,519,604, Aug. 22.
Handle for utensils and prestressed attaching means therefor. W. L. Morrison, Jr., and A. A. Vandeloo. 2,504,344, Apr. 18.
Handle for vehicles. D. W. Gill. 2,492,981, Jan. 3.
Handle grip. E. B. and J. H. Lamkin. 2,513,655, July 4.
Handle having interlocking means, Divided circular. E. Henriksen. 2,518,006, Aug. 8.
Handle interlock and impulse transmission switch assembly for race totalizators, Operating. A. F. and G. A. Julius. 2,535,425, Dec. 26.
Handle lever operated power multiplying hand brake. G. E. Dath. 2,505,946, May 2.
Handle mechanism, Dispenser. C. C. Bauerlein. 2,500,397, Mar. 14.
Handles for carrying bags and the like, Manufacturing. O. M. Strandberg. 2,529,976, Nov. 14.
Handling apparatus for railway cars, Luggage. F. L. Murphy and F. A. Vander Linden. 2,522,686, Sept. 19.
Handling continuous electrodes. J. Sejersted. 2,526,876, Oct. 24.
Handling device. L. G. Welch. 2,526,309, Oct. 17.
Handling fine solids, Method and apparatus for. F. B. Allen. 2,534,807, Dec. 19.
Handling fuels. B. E. Roetheli. 2,527,575, Oct. 31.
Handling mechanism, Strip. E. L. Lyle. 2,522,953, Sept. 19.
Handling of uranium hexafluoride in vessels of glass and silica. A. V. Grosse. 2,533,316, Dec. 12.
Handling pulverulent catalyst in hydrocarbon conversion and catalyst regeneration operations. R. W. Krebs. 2,526,486, Oct. 17.
Handling pulverulent materials, Method and apparatus for. J. H. Morrow. 2,509,983–4, May 30.
Handling solids in water suspension, Method and apparatus for. L. E. Mylting. 2,504,081, Apr. 11.
Handling staple fibers. C. W. Cox. 2,511,970, June 20.
Hangar, Airplane. S. A. Pomerance. 2,520,055, Aug. 22.
Hanger: *See*—

Adjustable film hanger.	Folding clothes hanger.
Adjustable fixture hanger.	Garment hanger.
Adjustable garment hanger.	Iron hanger.
Adjustable picture hanger.	Meat hanger.
Adjustable shoulder form hanger.	Metal suit and trouser hanger.
Brake hanger.	Multiple garment hanger.
Broom hanger.	Necktie hanger.
Bus duct hanger.	Outlet box fixture hanger.
Ceiling paper hanger.	Outlet box hanger.
Clamp hanger.	Pail hanger.
Clamp type garment hanger.	Painter's scaffold hanger.
Clothes hanger.	Pants and skirt hanger.
Clothesline hanger.	Pants hanger.
Coat hanger.	Picture hanger.
Coat and trouser hanger.	Reinforcing rod hanger.
Collapsible coat hanger.	Skirt hanger.
Collapsible suit and trouser hanger.	Suit hanger.
Door hanger.	Tank hanger.
Drapery and curtain hanger.	Towel or clothes hanger.
Drapery hanger.	Trotline hanger.
Extensible coat hanger.	Trouser and skirt hanger.
Flowerpot hanger.	Trouser hanger.
	Wall picture hanger.
	Wardrobe hanger.

Hanger. R. D. Fisher. 2,528,220, Oct. 31.
Hanger. R. C. Kember. 2,536,004, Dec. 26.
Hanger. M. S. Rabasse and L. Sablon. 2,527,151, Oct. 24.
Hanger and bearing assembly for spiral conveyers. P. V. Whitney. 2,524,948, Oct. 10.
Hanger and clamp, Garment. W. E. Neal. 2,517,336, Aug. 1.
Hanger and hold-down, Curtain. A. E. Fridolph. 2,522,509 Sept. 19.
Hanger and mechanical connection. B. Borisof. 2,512,413, June 20.
Hanger and trolley, Door. C. L. Hedlund. 2,503,388, Apr. 11.
Hanger assembly, Sliding door. O. B. Smith, Jr. 2,503,848, Apr. 11.
Hanger device. E. M. Davis. 2,532,255, Nov. 28.
Hanger for antependium. J. E. Rigali. 2,505,913, May 2.
Hanger for a seal in a floating roof tank. F. D. Moyer and E. S. Fraser. 2,518,488, Aug. 15.
Hanger for coats and hats, Collapsible pocket. M. Levey. 2,502,226, Mar. 28.
Hanger for clotheslines, Garment. F. Schmidt. 2,505,306, Apr. 25.
Hanger for electrical lighting fixtures. A. I. Appleton. 2,515,390, July 18.
Hanger for fur coats. G. Weckstein. 2,503,367, Apr. 11.
Hanger for supporting corrugated sheets. O. A. Howe. 2,519,656, Aug. 22.
Hanger for trousers and skirts. G. C. Deck. 2,493,860, Jan. 10.
Hanger pin for railway trucks, Swing. R. N. Janeway. 2,532,272, Nov. 28.
Hanger structure, Roller skate resilient. R. R. Ware, Jr. 2,494,019, Jan. 10.
Hanger support. W. Stader. 2,500,881, Mar. 14.
Hanger support and card holder, Garment. S. J. Cutaia. 2,524,427, Oct. 3.
Hanger support for vehicles, Garment. F. E. Storey. 2,526,095, Oct. 17.
Hanger supporting means, Garment. R. L. Zimmer. 2,517,072, Aug. 1.
Hanger suspension means, Automobile coat. J. M. Coughlin. 2,516,617, July 25.
Hanger system and elements for flexible hangings. A. E. Fridolph. Re. 23,209, Mar. 21.
Hanger trouser holding attachment, Coat. B. Sloane. 2,494,727, Jan. 17.
Hanger with adjustable shoulder pieces, Clothes. L. Ronzio. 2,505,914, May 2.
Hanger with clamping device, Garment. R. J. Zeigler. 2,503,648, Apr. 11.
Hanger with film tensioning means, Multiple film. R. W. Armstrong, R. Sardeson, and E. H. Savela. 2,497,429, Feb. 14.
Hanger with tapering sides, Film. J. Friedman. 2,509,293, May 30.
Hangers for use in processing photographic prints. J. H. De Lacy. 2,533,664, Dec. 12.
Hanging curtains and other articles. L. Whitman. 2,517,817, Aug. 8.
Hanging device for wooden beams. S. Isakson. 2,500,636, Mar. 14.
Hardenable cast iron. F. G. Sefing. 2,530,545, Nov. 21.
Hardening alloys by indiffusion of a metalloid. M. J. Druyvesteyn and J. L. Meyering. 2,493,951, Jan. 10.
Hardening of austenitic chromium-nickel steels by working at subzero temperatures. N. A. Ziegler, W. L. Meinhart, and J. R. Goldsmith. 2,527,287, Oct. 24.
Hardening of photographic silver halide gelatin emulsions with nitro alcohols. B. A. Orkin. 2,494,055, Jan. 10.
Hardness testing device. J. Dobrý and A. Möstl. 2,520,387, Aug. 29.
Hardware, Barbecue. A. J. Miller. 2,501,075, Mar. 21.
Harmonic analyser, High-frequency. M. El Shishini and M. A. H. El-Said. 2,533,566, Dec. 12.
Harmonica, Transposing. M. F. Abbott. 2,496,511, Feb. 7.
Harmonics generator. L. Dorbec. 2,495,317, Jan. 24.
Harness. T. E. Jackson. 2,500,079, Mar. 7.
Harness and control device for electric blankets or the like, Wiring. J. W. Myers and D. E. Dailey. 2,520,851, Aug. 29.
Harness and ring therefor. D. W. Keyston. 2,526,140, Oct. 17.
Harness, Dog training. J. R. Moyle. 2,534,727, Dec. 19.
Harness, Fishing. A. B. Smith. 2,499,117, Feb. 28.
Harness for draft animals. J. C. E. Kohler. 2,500,187, Mar. 14.
Harness, Live bait. C. F. Worthington. 2,508,559, May 23.
Harness, Loom. J. J. Kaufmann. 2,522,043, Sept. 12.
Harness, Man-carrying parachute. C. E. Carroll. 2,519,352, Aug. 22.
Harness, Mattress. W. C. Nielsen. 2,508,795, May 23.
Harness race starting gate. W. A. Ashton. 2,526,060, Oct. 17.
Harness, Ski and snowshoe. H. Mortsell. 2,516,238, July 25.
Harness stop motion. H. Laplante. 2,527,742, Oct. 31.
Harp construction for supporting electric lamp shades. C. Bramming. 2,520,795, Aug. 29.
Harp, Lamp. K. Berger. 2,531,023, Nov. 21.
Harrow, Flexible spike tooth. K. H. Smith. 2,524,937, Oct. 10.
Harrow lift device. H. L. Dunsdon. 2,502,835, Apr. 4.
Harvester and cleaner, Cotton. L. L. Walker, Jr. 2,513,259, June 27.
Harvester and loading machine, Pea. W. W. Porter. 2,524,077, Oct. 3.

Harvester and separator, Green pea. C. B. and W. W. Gough. 2,504,193, Apr. 18.
Harvester, Bean. F. S. Sefcovic. 2,521,417, Sept. 5.
Harvester, Beet. T. W. Bohmker, C. W. Walz, and J. H. Clark. 2,492,962, Jan. 3.
Harvester, Beet. T. W. Bohmker, C. W. Walz, and J. H. Clark. 2,531,193, Nov. 21.
Harvester, Beet. L. Botimer. 2,509,757, May 30.
Harvester, Beet. H. V. Lea. 2,516,470, July 25.
Harvester, Beet. C. W. Walz. 2,534,889, Dec. 19.
Harvester, Beet. C. W. Walz and R. D. Griff. 2,528,804, Nov. 7.
Harvester, Beet. C. W. Walz, R. D. Grif, and H. F. Clausen. 2,528,805, Nov. 7.
Harvester, Beet. C. W. Walz and H. F. Clausen. 2,528,806, Nov. 7.
Harvester carriage, Pulpwood. B. L. Montague. 2,517,016, Aug. 1.
Harvester, Carrot. E. G. Booth. 2,518,596, Aug. 15.
Harvester, Celery. W. C. Silva. 2,529,515, Nov. 14.
Harvester, Comb type cotton. W. M. Wallace. 2,517,063, Aug. 1.
Harvester, Corn. N. F. Andrews. 2,511,960, June 20.
Harvester, Corn picker. N. F. Andrews. 2,525,058, Oct. 10.
Harvester, Corn. B. M. Hyman. 2,513,941, July 4
Harvester, Corn. L. P. Millard and M. J. Mitchell. 2,517,401, Aug. 1.
Harvester, Corn. H. L. Rosenthal. 2,501,097, Mar. 21.
Harvester, Corn. H. L. Rosenthal. 2,524,603, Oct. 3.
Harvester, Cotton. W. E. Bennett. 2,502,817, Apr. 4.
Harvester, Cranberry. F. Minutillo. 2,524,631, Oct. 3.
Harvester, Cranberry. J. F. Schneider and B. C. Brazeau. 2,504,459, Apr. 18.
Harvester for cabbages and the like. J. Kugler. 2,510,474, June 6.
Harvester for low growing crops. R. H. Sharpe. 2,510,261, June 6.
Harvester for onions and the like. E. E. Chickering. 2,531,379, Nov. 28.
Harvester for sugar cane and similar crops. M. Vichie and C. A. N. Young. 2,516,277, July 25.
Harvester gatherer construction, Corn. N. F. Andrews and R. L. Dort. 2,496,514, Feb. 7.
Harvester, Green crop. N. C. Locke. 2,510,704, June 6.
Harvester, Insect. L. L. Strauss. 2,526,781, Oct. 24.
Harvester, Marine type rice. Z. Durand. 2,526,812, Oct. 24.
Harvester, Moving comb type cotton. S. W. Shelley. 2,530,405, Nov. 21.
Harvester, Peanut. C. H. Bradley. 2,534,405, Dec. 19.
Harvester, Peanut. J. M. Hadden. 2,516,769, July 25.
Harvester, Peanut and grass. O. V. Jenkins. 2,523,024, Sept. 19.
Harvester, Peanut vine. C. G. McLendon. 2,516,473, July 25.
Harvester, Pneumatic cotton. R. Henry. 2,531,041–2, Nov. 12.
Harvester, Pneumatic cotton. F. O. Ryan. 2,514,519, July 11.
Harvester roll. L. B. Neighbour and M. W. Roscoe. 2,503,128, Apr. 4.
Harvester, Stalk topping. R. C. Fergason. 2,505,952, May 2.
Harvester, Tobacco. H. L. Whitley. 2,518,965, Aug. 15.
Harvester, Tractor-mounted beet. L. W. Schmidt. 2,535,960, Dec. 26.
Harvester, Vegetable. M. J. Corwin. 2,525,018, Oct. 10.
Harvester, Vegetable. C. C. Klenke. 2,514,771, July 11.
Harvester, Windrow. P. Kane and M. S. Sisulak. 2,507,719, May 16.
Harvester with means for conversion from chopper to windrower. G. B. Hill. 2,493,918, Jan. 10.
Harvester with trailing crop-receiving unit, Vehicle-mounted. N. F. Andrews. 2,507,687, May 16
Harvesting and threshing machine, Self-propelled combination. S. C. Heth. 2,528,275, Oct. 31.
Harvesting forage crops. S. D. Russell. 2,503,416, Apr. 11.
Harvesting machine, Cane. T. A. Guild. 2,532,904, Dec. 5.
Harvesting machine, Celery. W. C. Silva. 2,522,308, Sept. 12.
Harvesting machine for nuts or the like. W. K. Waters. 2,502,810, Apr. 4.
Harvesting machine, Grain. F. W. McConnel and D. R. Bomford. 2,495,417, Jan. 24.
Harvesting machine, Low green crop. L. J. Schiller. 2,513,111, June 27.
Harvesting machine, Peanut. P. B. Searcy. 2,522,644, Sept. 19.
Harvesting machine, Potato. C. E. Johnson. 2,532,314, Dec. 5.
Harvesting machine, Potato. V. D. Jones. 2,532,169, Nov. 28.
Harvesting machine, Sugar-cane. T. Miyagi. 2,501,533, Mar. 21.
Harvesting machine, Tobacco. A. J. Burkhart. 2,497,845, Feb. 21.
Harvesting mechanism. A. W. Oehler. 2,529,180, Nov. 7.
Harvesting mechanism, Corn. T. W. Johannsen. 2,509,737, May 30.
Hasp. H. E. Soref and D. J. Foote. 2,520,742, Aug. 29.
Hassock. P. K. Madan. 2,509,395, May 30.
Hassock, Cushion-mat. F. Marsh. 2,528,768, Nov. 7.
Hassock, Nesting. G. L. Reichhelm. 2,509,525, May 30.
Hassock, Upholstered. M. B. Smith. 2,509,580, May 30.
Hat and constructional element therefor. S. B. Roberts. 2,493,361, Jan. 3.
Hat attached posture indicator. P. Badovinac. 2,494,278, Jan. 10.
Hat, Beach or sun. M. Weiss. 2,495,041, Jan. 17.
Hat, Collapsible. E. H. Rankin. 2,493,500, Jan. 3.
Hat fastener. E. M. Baker. 2,493,908, Jan. 10.
Hat fastener. O. H. and A. M. Olson. 2,517,228, Aug. 1.
Hat holder. F. W. Kendall. 2,518,900, Aug. 15.
Hat holder. E. W. Pfeil. 2,494,488, Jan. 10.
Hat holder. E. W. Pfeil. 2,503,840, Apr. 11.
Hat, Juvenile beacon. M. P. Gaab. 2,505,537, Apr. 25.
Hat or clothes tree. J. Kurtz. 2,520,414, Aug. 29.
Hat, Protective. F. A. Hornsby, Jr. 2,504,979, Apr. 25.
Hat protector. I. J. Levy. 2,512,026, June 20.
Hat, Snapper party. J. E. Larman. 2,531,853, Nov. 28.
Hat stay. M. Jacobi. 2,505,403, Apr. 25.
Hat stay. J. E. Jubin. 2,522,274, Sept. 12.
Hatch cover. T. G. May. 2,527,367, Oct. 24.
Hatch cover fastener. R. C. Sabins. 2,493,034, Jan. 3.
Haulage apparatus for mines, Rope. J. B. Mavor. 2,523,871, Sept. 26.
Hay and grain handling device. J. M. Driscoll. 2,509,814, May 30.
Hay gatherer and chopper. R. R. Raney. 2,496,493, Feb. 7.
Hayrack. M. H. Engesser. 2,528,045, Oct. 31.
Hayrack. E. J. Nechville and W. J. Faltis. 2,514,785, July 11.
Hayrake. M. A. Clark. 2,511,100, June 13.
Hayrake. N. H. Godley. 2,521,909, Sept. 12.
Hayrake, Dump. W. D. Crain. 2,498,650, Feb. 28.
Head and limb rest. L. Richards. 2,502,752, Apr. 4.
Headband. J. Volkmann. 2,501,107, Mar. 21.
Headband, Adjustable. M. N. Anderson. 2,511,234, June 13.
Headband for headgear, Adjustable. F. M. Bowers. 2,503,432, Apr. 11.
Headband for telephone operators' head sets. A. M. MacPheat. 2,518,035, Aug. 8.
Headboard structure for bedsteads. B. C. Deuschle. 2,528,871, Nov. 7.
Headboat and support, Combined. P. W. Shulman. 2,516,265, July 25.
Head construction for horizontal liquefied petroleum tanks. O. W. Kilham. 2,512,024, June 20.
Head construction for horizontal liquefied petroleum tanks. O. W. Kilham. 2,513,181, June 27.
Headdress. M. J. Woodside. 2,508,631, May 23.
Head for cotton pickers. L. C. Stukenborg. 2,521,491, Sept. 5.
Head for golf clubs, Adjustable. J. Verderber. 2,520,701-2, Aug. 29.
Head for rotary spindles, Index. J. L. Jessup. 2,528,753, Nov. 7.
Head lamp. C. M. Lowry. 2,503,500, Apr. 11.
Headlamp for motor vehicles. R. P. Teele, Jr. 2,518,505, Aug. 15.
Headlight and closure assembly, Retractable. G. Farr. 2,516,052, July 18.
Headlight assembly, Locomotive. A. E. Ganzert. 2,494,652, Jan. 17.
Headlight, Clear and red warning. C. L. Howard. 2,515,406, July 18.
Headlight system for automotive vehicles comprising selectively energized polarizing and nonpolarizing light sources, Antiglare. D. S. Grey. 2,493,192, Jan. 3.
Head mount, Multiple magnetic. F. E. Pontius. 2,530,584, Nov. 21.
Head outlet. C. H. Jessen. 2,511,339, June 13.
Headrest and earphones, Combination. M. A. Reinsdorf. 2,527,656, Oct. 31.
Headrest, Barber's chair. M. S. Grey. 2,514,757, July 11.
Headrest for attachment to chairs, Adjustable. F. M. Goodwin. 2,527,544, Oct. 31.
Headrest for automobile seats. L. Schott. 2,502,801, Apr. 4.
Headrest for bathtubs, Adjustable. A. Zukor. 2,503,145, Apr. 4.
Headrest for hair driers. O. E. Wilson. 2,527,868, Oct. 31.
Headrest for operating tables. C. F. Eaton. 2,509,086, May 23.
Headrest protector. A. Struble and M. L. Moffitt, Jr. 2,497,698, Feb. 14.
Headrest, Shampooing. K. O. Smalls. 2,516,601, July 25.
Headset. C. D. Mullin. 2,498,960, Feb. 28.
Headstock for roll lathes or the like. W. B. Hackett. 2,524,791, Oct. 10.
Headstock of a lathe, Loose. J. G. Kronouer. 2,497,504, Feb. 14.
Head structure for gun type oil burners. W. Roberts. 2,518,937, Aug. 15.
Head treating apparatus. Y. B. Spiegel. 2,507,386, May 9.
Header for auto radiators, Sectional. M. J. Tomel. 2,498,594, Feb. 21.

Header for ice freezing apparatus. J. B. Rochelle, Sr. 2,514,723, July 11.
Heading adjustment of a degaussing system. G. J. Perlow and L. H. Rumbaugh. 2,519,395, Aug. 22.
Hearing aid having a unitary casing for the batteries and the amplifier, Wearable electronic. S. Posen and H. E. Hanson. 2,495,476, Jan. 24.
Hearing aid having adjacently mounted microphone and receiver, Air conduction. L. G. Weaver. 2,506,981, May 9.
Hearing aid having the amplifier and the batteries contained in a common casing, Wearable electronic. S. Posen. Re. 23,203. Mar. 7.
Hearing aid, Portable electromagnetic. W. Demant. 2,522,099, Sept. 12.
Hearing aid support. C. P. Rohr. 2,513,746, July 4.
Hearing aid with inductive pick-up for telephone reception, Wearable. S. F. Lybarger. 2,530,621, Nov. 21.
Hearth, Furnace. J. F. Jordan. 2,514,871, July 11.
Hearth structure for metallurgical furnaces, Multiple-layer. H. L. Allen, Jr., and J. E. Smith. 2,508,739, May 23.
Heat confining system for pressing machines. W. F. Gayring. 2,521,511, Sept. 5.
Heat control. S. D. Bradley. 2,508,988, May 23.
Heat control for coffee brewers, Photoelectric. J. R. Hildreth. 2,502,844, Apr. 4.
Heat control in catalytic hydrogenation reactions. B. J. C. van der Hoeven. 2,515,279, July 18.
Heat control sprinkler head, Automatic. G. H. Cameron. 2,523,355, Sept. 26.
Heat control system, Automatic. G. Strysko. 2,511,022, June 13.
Heat controlling system. S. V. Borst. 2,494,737, Jan. 17.
Heat device and method, Radiant. F. W. Riehl. 2,523,332, Sept. 26.
Heat dissipating device, Multisectional engine. J. B. Nold. 2,498,001, Feb. 21.
Heat distributing means, Deicer. R. B. Park. 2,499,034, Feb. 28.
Heat exchange. V. Voorhees. 2,499,043, Feb. 28.
Heat exchange device. C. N. Rink. 2,499,608, Mar. 7.
Heat exchange device. J. B. Waller. 2,515,750, July 18.
Heat exchange passage construction, Multifluid. S. Holm and P. H. Karlsson. 2,505,774, May 2.
Heat exchange unit. H. F. Buschow. 2,532,288, Dec. 5.
Heat exchanger. J. F. Alcock. 2,503,651, Apr. 11.
Heat exchanger. E. A. A. Axelson and C. A. Lofgren. 2,499,448, Mar. 7.
Heat exchanger. F. M. Bennett. 2,517,169, Aug. 1.
Heat exchanger. G. E. Burks and J. H. Sheusner. 2,498,152, Feb. 21.
Heat exchanger. L. Friedman. 2,512,540, June 20.
Heat exchanger. W. Gloyer. 2,529,013, Nov. 7.
Heat exchanger. H. A. Goldberg. 2,494,548, Jan. 17.
Heat exchanger. H. M. Graham. 2,523,990, Sept. 26.
Heat exchanger. H. F. Hagen. 2,513,644, July 4.
Heat exchanger. W. F. Hagen. 2,503,667, Apr. 11.
Heat exchanger. G. E. Hicke. 2,529,215, Nov. 7.
Heat exchanger. F. D. James. 2,493,969, Jan. 10.
Heat exchanger. J. Naab. 2,514,894, July 11.
Heat exchanger. R. S. Robinson. 2,514,797, July 11.
Heat exchanger. E. G. Scheibel. 2,529,516, Nov. 14.
Heat exchanger. T. Tinker. 2,498,145, Feb. 21.
Heat exchanger. G. A. Worn. 2,523,174, Sept. 19.
Heat exchanger, Air-cooled. G. H. Dieter. 2,518,760, Aug. 15.
Heat exchanger, Aircraft. S. K. Andersen. 2,524,066, Oct. 3.
Heat exchanger and assembling the same. J. E. Woods and C. S. Martel. 2,520,821, Aug. 29.
Heat exchanger and combustion chamber construction for internal-combustion air heaters. V. N. Tramontini and G. W. Allen. 2,494,785, Jan. 17.
Heat exchanger, Cleanable type. C. S. Simpelaar. 2,502,675, Apr. 4.
Heat-exchanger core. J. C. Shaw. 2,511,084, June 13.
Heat exchanger, Cylindrical. G. Chausson. 2,535,721, Dec. 26.
Heat exchanger, Evaporative. M. H. Olstad. 2,504,149, Apr. 18.
Heat exchanger for cooling compressed gases. C. N. Deverall. 2,513,010, June 27.
Heat exchanger for secondary refrigerating systems. F. A. Schumacher. 2,503,922, Apr. 11.
Heat exchanger, Multifluid. S. Holm and P. H. Karlsson. 2,521,369, Sept. 5.
Heat exchanger, Multiple tube. J. W. Brown, Jr. 2,520,755, Aug. 29.
Heat exchanger, Plate type. A. J. Morris. 2,528,013, Oct. 31.
Heat exchangers, Making. J. R. Hayward. 2,532,302, Dec. 5.
Heat exchangers, Making. P. R. Trumpler. 2,500,501, Mar. 14.
Heat exchangers, Method of and apparatus for making spiral. A. R. Collins, J. H. Leslie, II, and C. T. Novak. 2,507,094, May 9.
Heat insulating cover. P. A. Siple. 2,520,972, Sept. 5.
Heat interchanger. W. F. Glauque. 2,508,247, May 16.
Heat pump. M. M. Smith. 2,503,456, Apr. 11.
Heat pump water heater. A. W. Ruff. 2,516,094, July 18.
Heat ray detector, Modulated. M. D. Liston. Re. 23,295, Nov. 21.
Heat recovery in a fluidized catalyst regeneration. H. Z. Martin. 2,493,494, Jan. 3.
Heat regulator apparatus. J. F. Cook. 2,527,917, Oct. 31.
Heat-resistant steel alloy. B. A. Zikmund. 2,534,190, Dec. 12.
Heat-resistant tire curing bag. R. A. Crawford and G. C. Rogers. 2,519,231, Aug. 15.
Heat responsive alarm cable. F. W. Jackson and H. M. Nacey. 2,518,788, Aug. 15.
Heat responsive cable. F. W. Jackson, 2,518,789, Aug. 15.
Heat responsive switch. E. C. Bartz. 2,511,236, June 13.
Heat sealing device. H. C. Sundstrom. 2,535,171, Dec. 26.
Heat sealing, Method and apparatus for. H. F. Shumann. 2,494,905, Jan. 17.
Heat sealing rubber hydrochloride. J. E. Snyder. 2,496,963, Feb. 7.
Heat sensitive device. A. H. Keyser. 2,509,825, May 30.
Heat setting of textile fabrics. W. G. Helmus. 2,499,142, Feb. 28.
Heat shield for hood cap heating devices. I. L. Wilcox. 2,522,657, Sept. 19.
Heat stabilized polymeric 2,3-dichloro-1,3-butadiene and obtaining same. A. L. Barney. 2,516,945, Aug. 1.
Heat transfer. F. J. Sowa. 2,515,672, July 18.
Heat transfer apparatus. R. E. Moore. 2,509,011, May 23.
Heat transfer equipment. F. M. Stephens. 2,501,795, Mar. 28.
Heat transfer means for heating and cooling. A. C. Peterson. 2,527,845, Oct. 31.
Heat transfer system employing non-condensible gas. G. E. Jodell. 2,522,374, Sept. 12.
Heat-treating. R. E. Schieber. 2,510,718, June 6.
Heat-treating apparatus. E. L. Bailey. 2,513,778, July 4.
Heat-treating apparatus. J. F. Gschwind. 2,518,612, Aug. 15.
Heat-treating apparatus. F. O. Hess, F. Maud, and W. B. Troupe. 2,515,086, July 11.
Heat-treating apparatus. T. A. Jagen. 2,504,198, Apr. 18.
Heat-treating gear. F. S. Denneen and W. C. Dunn. 2,521,699, Sept. 12.
Heat-treating hollow articles. F. G. Tritt and D. R. Phillips. 2,515,064, July 11.
Heat-treating machine. D. M. Strauchen and M. Garvin. 2,523,883, Sept. 26.
Heat-treating material. H. A. Dreffein. 2,497,442, Feb. 14.
Heat treating mechanism, Electrical. G. H. Bushway. 2,496,199, Jan. 31.
Heat-treating metal work of elongated extent. F. O. Hess. 2,529,689, Nov. 14.
Heat-treating milk and cream. J. O. Fowler. 2,493,664, Jan. 3.
Heat-treating milk and cream in containers. J. O. Fowler. 2,493,663, Jan. 3.
Heat-treating particle form solids, Method and apparatus for. J. W. Payne and E. V. Bergstrom. 2,509,014, May 23.
Heat-treating solids. P. H. Royster. 2,532,335, Dec. 5.
Heat-treating solids. P. H. Royster. 2,533,142, Dec. 5.
Heat-treating wheels. H. B. Wishart. 2,535,110, Dec. 26.
Heat-treatment for plastic articles. J. Pinsky. 2,514,088, July 4.
Heat-treatment of carbon-containing feed stock. E. G. Bailey. 2,519,340, Aug. 22.
Heat-treatment of cast iron. R. R. Campbell. 2,403,339, Jan. 3.
Heat-treatment of cold rolled silicon steel strip. W. Morrill, C. G. Dunn, and R. Ward. 2,534,141, Dec. 12.
Heat-treatment of copper-nickel-manganese alloys. D. R. and S. R. Hood. 2,495,063, Jan. 17.
Heat-treatment of magnesium base alloys. C. J. P. Ball, A. C. Jessup, and P. A. Fisher. 2,520,753, Aug. 29.
Heat-treatment of nickel-chromium alloys. H. E. Gresham and D. W. Hall. 2,497,667, Feb. 14.
Heat-treatment of webs of textile materials. W. G. Helmus. 2,499,141, Feb. 28.
Heatable water tank. D. J. and P. J. Donahoe. 2,532,999, Dec. 5.
Heated display case. J. W. Maddox. 2,527,101, Oct. 24.
Heated forming tool. E. F. Marik. 2,526,888, Oct. 24.
Heated refrigerator car. E. A. Sweeley and N. T. Anderson. 2,493,425, Jan. 3.
Heater: *See*—

Aquarium electrical heater.
Automobile heater.
Automobile water circulating heater.
Automobile water heater.
Bottle heater.
Circulating electric heater.
Combination radiation and convection room heater.
Combined forced draft and convection air flow space heater.
Combustion heater.
Convection driven forced flow air heater.
Convection heater.
Direct fired air heater.
Door-mounted electric space heater.

Heater: *See*—Continued.
Electric air circulating heater.
Electric air circulating oil well heater.
Electric fluid heater.
Electric heater.
Electric immersion heater.
Electric oil well heater.
Electric oil well tubing heater.
Electric radiating heater.
Electric resistance water heater.
Electric space heater.
Electric water heater.
Electrical tube-immersion heater.
Electrician's solder dipper heater.
Electron tube cathode heater.
Feed heater.
Fluid fuel burning internal-combustion air heater.
Fluid heater.
Forced circulation air heater.
Gas-fired forced draft and air flow unit air heater.
Gas heater.
Gas wall heater.
Gravity feed wickless fuel oil fired heater.
Hair curling clip heater.
Heat pump water heater.
High-frequency spot heater.
Hot-water heater.
Immersion electric heater.
Immersion-type heater.
Induction fluid heater.
Induction heater.
Industrial gas-fired air heater.
Infrared heater.
Intermittent combustion spark ignition aircraft heater.
Liquid heater.
Magazine type hot-air heater.
Motor heater.
Oil-burning heater.
Orchard heater.
Pebble heater.
Portable air heater.
Portable space heater.
Portable truck heater.
Portable wick type oil heater.
Precision oil heater.
Radiant fan heater.
Rail heater.
Railroad switch heater.
Room heater.
Sheet metal internal-combustion heater.
Sheet metal open hearth heater.
Space heater.
Steam heater.
Switch heater.
Tank heater.
Trailer heater.
Unit heater.
Water and fuel heater.
Water heater.
Well heater.

Heater. J. M. Aufiero. 2,495,883, Jan. 31.
Heater. J. W. Beggs. 2,503,702, Apr. 11.
Heater. O. L. Bock. 2,506,336, May 2.
Heater. J. C. M. Duff. 2,533,881, Dec. 12.
Heater. B. D. Figg. 2,526,016, Oct. 17.
Heater. G. L. Johnson and W. A. Hagerbaumer. 2,493,970, Jan. 10.
Heater. H. J. McCollum. 2,496,738, Feb. 7.
Heater. F. A. Ryder. 2,502,345, Mar. 28.
Heater. T. H. Sherman. 2,498,717, Feb. 28.
Heater. E. Utterback. 2,499,703, Mar. 7.
Heater and air circulating fan, Gas-burning. F. E. Modlin. 2,515,525, July 18.
Heater and boiler therefor, Hot-air. G. W. Folk. 2,526,464, Oct. 17.
Heater and circulator, Air. H. W. Janson and C. D. Rodgers. 2,518,329, Aug. 8.
Heater and circulator, Wall type electric air. F. A. Graham. 2,528,650, Nov. 7.
Heater and cooker, Portable. W. A. Bailey. 2,532,139, Nov. 28.
Heater and cooking stove, Combination. I. A. Paige. 2,505,200, Apr. 25.
Heater and damper control, Liquid fuel burning. Q. P. Massare. 2,495,857, Jan. 31.
Heater and heat exchange, Heat pump water. A. W. Ruff. 2,516,093, July 18.
Heater and manufacturing it, Electrical. G. H. Morey. 2,496,012, Jan. 31.
Heater and manufacturing it, Electrical. G. H. Morey. 2,498,442, Feb. 21.
Heater and reactor unit, Fluid. I. Harter. 2,520,096, Aug. 22.
Heater and storage unit, Water. G. E. Presser and G. Wheeler. 2,519,281, Aug. 15.
Heater and thermostatic control means therefor, Fluid. H. F. Feuerfile. 2,504,315, Apr. 18.
Heater apparatus, Pebble. D. J. Quigg. 2,505,257, Apr. 25.
Heater apparatus, Pebble. L. J. Weber. 2,534,089, Dec. 12.
Heater coil and making same, Plastic cylinder. R. G. Boydstun. 2,506,574, May 9.
Heater coil for use with butane or propane gas systems. L. Kluck. 2,506,721, May 9.
Heater construction, including door draft and closure means. S. P. Locke. 2,533,674, Dec. 12.
Heater control. A. R. Collins. 2,509,334, May 30.
Heater control. E. H. Patrick and T. L. Perry. 2,513,045, June 27.
Heater control. R. D. Randall and F. A. Ryder. 2,507,119, May 9.
Heater control, Liquid. J. C. White. 2,530,638, Nov. 21.
Heater control system with time-delay switch. V. N. Tramontini. 2,535,969, Dec. 26.
Heater controller, Electric. C. W. Kuhn and E. W. Seeger. 2,495,461, Jan. 24.
Heater design, Pebble. R. K. Simms. 2,507,823, May 16.
Heater fan combination. W. H. Kitto and A. J. McMaster. 2,513,945, July 4.
Heater fan mounting. S. J. Helman. 2,496,720, Feb. 7.
Heater for bituminous materials and the like, Immersion. C. W. Osmond. 2,494,260, Jan. 10.
Heater for deicing air foils. R. S. Ely and I. M. Ketcham. 2,496,279, Feb. 7.
Heater for fluids. K. W. Fleischer. 2,527,410, Oct. 24.
Heater for fluids. E. F. Gleber. 2,514,279, July 4.
Heater for furnaces arranged to minimize corrosion by flue gases, Combustion air. L. J. Marshall. 2,511,647, June 13.
Heater for heating air, Low-temperature. P. G. Vicard. 2,528,623, Nov. 7.
Heater for internal-combustion engines and the like, Water. B. H. Pierce. 2,529,707, Nov. 14.
Heater for internal-combustion engines, Fuel. G. H. Kruschke. 2,514,877, July 11.
Heater for liquefied gas. T. A. St. Clair. 2,501,419, Mar. 21.
Heater for liquid cooling system of internal-combustion engines. R. G. Williams. 2,514,270, July 4.
Heater for melting bituminous material and for preventing flashing of vapors given off thereby. P. Wollner. 2,496,113, Jan. 31.
Heater for mounting upon the exterior walls of rooms to be heated, Forced flow portable air. A. H. Steinmetz. 2,530,486, Nov. 21.
Heater for oil wells, Electric. J. Schmer. 2,525,376, Oct. 10.
Heater for ponds or the like, Portable stock water. G. Hancock. 2,512,934, June 27.
Heater for stock tanks, Electric water. E. Transue. 2,509,460, May 30.
Heater for stock tanks, Submergible. D. Moss. 2,535,545, Dec. 26.
Heater for thermal power plants, Operating gas. R. Ruegg. 2,495,550, Jan. 24.
Heater for windscreens and windows, Electric. C. R. Hopkins. 2,496,161, Jan. 31.
Heater having heat-reflecting and air-heating deflectors, Space. H. E. and C. J. Winkler. 2,516,285, July 25.
Heater having means to recirculate partially cooled products of combustion. H. J. De N. McCollum. 2,517,399, Aug. 1.
Heater inserting mechanism. G. G. Schneider and F. L. Donohue. 2,498,455, Feb. 21.
Heater of the panel or bottom molding type, Electric. G. Andersen. 2,525,850, Oct. 17.
Heater or stove. S. D. Perlman. 2,530,721, Nov. 21.
Heater, particularly for the heating of compressed propulsive gases for turbines, Tubular gas. E. Villiger. 2,505,696, Apr. 25.
Heater structure. M. A. Mieras and A. F. Millington. 2,518,356, Aug. 8.
Heater system. W. A. Marshall, Jr. 2,533,486, Dec. 12.
Heater system and operation, Pebble. L. J. Weber. 2,530,274, Nov. 14.
Heater system, Fog suppressing gas burning. F. A. Ryder, T. Y. Korsgren, and A. R. Collins. 2,517,446, Aug. 1.
Heater terminal seal, Tubular. L. J. Pouchnik and J. B. Welch. 2,527,890, Oct. 31.
Heater throat device, Pebble. S. P. Robinson. 2,514,722, July 11.
Heater unit. W. Stephan. 2,522,002, Sept. 12.
Heater with door mounted burner. A. H. Hoops. 2,513,871, July 4.
Heater with radiant, Hot-air gas. G. W. Zimbelman. 2,529,828, Nov. 14.
Heater with reflector means, Fuel burning space. W. G. Cartter. 2,514,372, July 11.
Heater with regenerator for hot-gas engines, Shell-shaped. W. H. Stigter. 2,535,522, Dec. 26.
Heater with safety screen air inlet. R. M. Lilly and B. R. Schabarum. 2,531,139, Nov. 21.
Heater with solid fuel and fluid fuel burning furnaces arranged in tandem, Air. R. F. Crawford. 2,525,400, Oct. 10.
Heating. D. Dalin. 2,532,608, Dec. 5.
Heating. F. O. Hess. 2,502,947, Apr. 4.
Heating and antifreezing apparatus for aircraft. G. Chausson. 2,529,915, Nov. 14.
Heating and compression apparatus, High-frequency. E. C. Hanson and D. E. Watts. 2,497,670, Feb. 14.
Heating and cooking apparatus. W. A. Bailey. 2,507,493, May 16.
Heating and cooling cover. L. B. Donkle, Jr. 2,504,308, Apr. 18.
Heating and cooling system. T. S. Skillman. 2,533,407, Dec. 12.
Heating and forging elongated metal blanks, Method and apparatus for. I. Ropp and W. S. Blackstone. 2,507,817, May 16.
Heating and hardening burner. B. G. Ward, Jr. 2,525,055, Oct. 10.
Heating and ventilating apparatus. R. D. Beatty, Jr. 2,532,882, Dec. 5.
Heating and ventilating system. G. J. Fairbanks and V. N. Tramontini. 2,532,486, Dec. 5.
Heating and ventilating system. L. A. Rodert. 2,533,509, Dec. 12.
Heating and ventilating system, Automobile. E. L. Mayo. 2,502,871, Apr. 4.
Heating and welding, Induction. H. L. Zimmerman and F. J. Van Zeeland. 2,528,810, Nov. 7.

Heating apparatus. H. P. Allen. 2,515,579, July 18.
Heating apparatus. E. L. Bailey. 2,513,779. July 4.
Heating apparatus. E. Blaha. 2,509,856, May 30.
Heating apparatus. S. R. Bricker. 2,508,638, May 23.
Heating apparatus. E. K. Clark. 2,528,579, Nov. 7.
Heating apparatus. W. C. Coleman. 2,516,368–9, July 25.
Heating apparatus. J. M. Cripps. 2,507,662, May 16.
Heating apparatus. W. M. Hall and F. A. Gross. 2,500,676, Mar. 14.
Heating apparatus. F. O. Hess. 2,529,690, Nov. 14.
Heating apparatus. J. E. Ludwig, Sr. 2,508,792, May 23.
Heating apparatus. W. A. Marshall, Jr. 2,507,113, May 9.
Heating apparatus. V. F. Parry. 2,518,490, Aug. 15.
Heating apparatus. G. E. Price. 2,502,988, Apr. 4.
Heating apparatus. C. H. Watkins. 2,519,616, Aug. 22.
Heating apparatus and fuel flow controlling means therefor. W. S. Landon. 2,494,394, Jan. 10.
Heating apparatus and method, Electronic. T. H. Story. 2,498,383, Feb. 21.
Heating apparatus and method, Steam. J. K. Lund. 2,516,226, July 25.
Heating apparatus, Dielectric. S. V. Jennings. 2,497,945, Feb. 21.
Heating apparatus, Direct-fired hot-air. R. M. Rush. 2,512,384, June 20.
Heating apparatus, Direct fired hot-air. R. M. Rush. 2,529,574, Nov. 14.
Heating apparatus, Electrical. F. T. Grothouse. 2,502,147, Mar. 28.
Heating apparatus, Electrostatic. L. D. Drugmand. 2,528,428, Oct. 31.
Heating apparatus for bonding metals. M. C. Haber, W. B. Baker, and L. J. Schnavely. 2,515,300, July 18.
Heating apparatus for heating ends of elongated workpieces in a continuous process. F. O. Hess, F. Maud, and E. F. Stoertz. 2,534,021, Dec. 12.
Heating apparatus for hot-air or steam baths. G. A. Forsberg. 2,512,892, June 27.
Heating apparatus for sequentially brazing a plurality of parts in a protective atmosphere, High-frequency. J. R. Marcus and O. F. Warning. 2,496,950, Feb. 7.
Heating apparatus for steam raising and like purposes. J. W. Woolley. 2,516,738, July 25.
Heating apparatus, High-frequency. M. F. Davis. 2,512,311. June 20.
Heating apparatus, High-frequency, Electrical. H. D. Simpson. 2,493,425, Jan. 3.
Heating apparatus, Induction. W. F. Wells. 2,495,193, Jan. 17.
Heating apparatus, Liquid. M. G. Burwell. 2,522,091, Sept. 12.
Heating apparatus, Solid material. C. L. Norton, Jr. 2,512,442, June 20.
Heating apparatus, Space. H. M. Jordan. 2,499,757, Mar. 7.
Heating apparatus, Warm air and hot-water. C. A. P. Thomas. 2,529,977, Nov. 14.
Heating appliance, Electric. F. E. Kirk. 2,519,051, Aug. 15.
Heating appliance, Electric (infrared). C. C. Doyle. 2,495,513, Jan. 24.
Heating arrangement, Bus. E. E. Hans. 2,526,560, Oct. 17.
Heating articles, Method and apparatus for. H. L. Grapp. 2,517,869, Aug. 8.
Heating assembly for broilers. D. W. Scofield. 2,511,790, June 13.
Heating attachment, Car. A. Josephson. 2,535,424, Dec. 26.
Heating attachment, Car. A. M. Larkin. 2,526,884, Oct. 24.
Heating body, Electrical. P. G. Sletner. 2,494,589, Jan. 17.
Heating chamber, Pebble. S. P. Robinson and L. C. Bearer. 2,530,731, Nov. 21.
Heating chamber, Pebble. L. J. Weber and S. P. Robinson. 2,534,090, Dec. 12.
Heating coiled strip metal, Method of and apparatus for. L. Wilson. 2,495,561, Jan. 24.
Heating continuously traveling metal strip. F. Miess. 2,504,440, Apr. 18.
Heating control, Cabin. T. J. Lehane and E. W. Johnson. 2,522,287, Sept. 12.
Heating device. O. G. Bennett. 2,531,548, Nov. 28.
Heating device. R. R. Chaitin. 2,494,987, Jan. 17.
Heating device. W. E. Dorn. 2,509,138, May 23.
Heating device. H. C. Hebard. 2,503,201, Apr. 4.
Heating device. A. G. Hebert. 2,507,011, May 9.
Heating device and combustion process. R. J. Waller. 2,497,282, Feb. 14.
Heating device and combustion process. R. J. Waller. 2,533,647, Dec. 12.
Heating device and control therefor, Electric. G. C. Crowley. 2,501,499, Mar. 21.
Heating device, Constant potential gradient dielectric. J. E. Joy. 2,516,324, July 25.
Heating device, Electric steam. C. A. Steen. 2,533,063, Dec. 5.
Heating device, Fluid. O. J. Alvarez. 2,514,360, July 11.
Heating device for curved-wall containers. P. L. Weldenschilling. 2,527,864, Oct. 31.
Heating device, Electrical. G. B. Mossin. 2,504,146, Apr. 18.
Heating device, Radiant electric. L. N. Roberson. 2,511,378, June 13.
Heating device, Water. L. N. Goff. 2,514,485, July 11.
Heating element. O. G. Bennett. 2,500,790, Mar. 14.
Heating element, Electrical. A. P. Challenner. 2,529,914, Nov. 14.
Heating element, Electrical. J. L. Musgrave and D. G. Lewis. 2,518,807, Aug. 15.
Heating element for ovens, Electrical. R. G. Sheidler. 2,494,903, Jan. 17.
Heating element, Tritube. R. W. Erwin. 2,495,673, Jan. 24.
Heating equipment, Induction. A. P. Bock. 2,499,716. Mar. 7.
Heating equipment, Radio-frequency electrical. E. C. Stanley. 2,514,101, July 4.
Heating food products in sealed containers. L. E. Clifcorn, G. T. Peterson, and J. M. Boyd. 2,517,542, Aug. 8.
Heating for injection molding machines and the like, Dielectric. J. V. Bertrand. 2,505,602, Apr. 25.
Heating furnace. F. O. Hess. 2,496,914, Feb. 7.
Heating granular solids. E. V. Bergstrom and E. Utterback. 2,499,624. Mar. 7.
Heating granular solids. E. Utterback and E. V. Bergstrom. 2,499,704, Mar. 7.
Heating granular solids, Method and apparatus for. G. L. Johnson, J. Happel, and W. A. Hagerbaumer. 2,519,315, Aug. 15.
Heating head, Multiflame. C. C. Anthes. 2,518,544, Aug. 15.
Heating head, Multiflame. F. C. Hasse. 2,518,543, Aug. 15.
Heating hollow propeller blades. E. Martin. 2,522,955, Sept. 19.
Heating hydrocarbon fluids, Continuously. H. D. Trotter. 2,505,871, May 2.
Heating in a resonant chamber, High-frequency dielectric. E. C. Hanson and D. E. Watts. 2,500,752, Mar. 14.
Heating ingots, Method and apparatus for. D. W. Lloyd. 2,504,707, Apr. 18.
Heating liquids in tube furnaces. S. J. H. Breukel. 2,514,535, July 11.
Heating liquids in vessels. J. Kniveton. 2,527,430, Oct. 24.
Heating machine, Electric billet. K. F. Barlow. 2,504,790, Apr. 18.
Heating means. H. P. Fry, Jr. 2,516,199, July 25.
Heating means and method, Oil column. C. S. Ackley. 2,530,280, Nov. 14.
Heating method and apparatus. N. E. Peery. 2,493,498, Jan. 3.
Heating method and apparatus, Electronic. G. W. Klingaman. 2,521,797, Sept. 12.
Heating mold. O. O. Oaks. 2,514,718, July 11.
Heating of dielectric materials, High-frequency. L. D. Drugmand. 2,508,752, May 23.
Heating of dielectric materials, Micro-wave. T. P. Kinn. 2,495,170, Jan. 17.
Heating of oil wells, Electrical. J. A. Edwards. 2,512,226, June 20.
Heating of small areas, Method of and apparatus for induction. O. M. Marquardt and W. A. Majeska. 2,493,771, Jan. 10.
Heating screen. C. F. Boester. 2,523,353, Sept. 26.
Heating system. L. M. Applegate. 2,516,666, July 25.
Heating system. P. L. Conaway. 2,522,860, Sept. 19.
Heating system. L. D. Gonzalez. 2,524,288, Oct. 3.
Heating system. E. H. Hammond and G. D. Wetherbee. 2,529,154, Nov. 7.
Heating system. J. C. Holmes. 2,511,635, June 13.
Heating system. T. W. Holmes and G. I. Holmes. 2,496,540, Feb. 7.
Heating system. S. H. Morse and E. E. Evans. 2,500,642, Mar. 14.
Heating system, Aircraft. B. L. Messinger. 2,521,393, Sept. 5.
Heating system, Airport runway. N. T. McKee. 2,505,622, Apr. 25.
Heating system, Automobile. L. A. Rodert. 2,523,923, Sept. 26.
Heating system, Building. R. S. Tice. 2,503,600, Apr. 11.
Heating system, Electric floor. R. S. Tice. 2,503,601, Apr. 11.
Heating system, Electrical. R. S. Tice. 2,533,409, Dec. 12.
Heating system for vehicle motors, Circulatory. W. F. Keil. 2,527,011, Oct. 24.
Heating system, Forced air. O. W. Ott. 2,521,867, Sept. 12.
Heating system having provision for selection of preset electrode spacings, Dielectric. A. Proctor and H. A. Kusterer. 2,512,751, June 27.
Heating system, High-frequency. L. D. MacDermaid. 2,519,193, Aug. 15.
Heating system, Hot-air. W. L. Slifer and R. H. Summers. 2,524,843, Oct. 10.
Heating system, Hot-water. T. J. Lehane and J. Van Vulpen. 2,522,285, Sept. 12.
Heating system, Liquid. C. N. Roswell. 2,533,141, Dec. 5.
Heating system, Manifold. P. M. Clayton. 2,523,611, Sept. 26.

Heating system, Radiant. A. L. Austin. 2,524,557, Oct. 3.
Heating system regulatory device. K. Vogelsberg. 2,527,283, Oct. 24.
Heating system, Steam. E. P. Harrison, O. A. Hunt, and L. Tiller. 2,515,651, July 18.
Heating system, Steam. A. F. Hubbard. 2,532,550, Dec. 5.
Heating system, Steam. O. A. Hunt and L. Tiller. 2,515,650, July 18.
Heating system, Thermoelectric self-controlling combustion. H. J. Findley. 2,501,627, Mar. 21.
Heating system with mixing valve. F. C. Broderick. 2,504,491, Apr. 18.
Heating system with modulating control, Electric. R. H. Taylor. 2,498,054, Feb. 21.
Heating titanium tetrachloride. I. J. Krchma. 2,512,341, June 20.
Heating unit. H. S. Moore and C. A. Berlepsch. 2,528,966, Nov. 7.
Heating unit, Concentric coil sheath. L. M. Daly. 2,494,333. Jan. 10.
Heating unit, Electric. S. O. Genlott. 2,525,030, Oct. 10.
Heating unit, Electric. T. H. Lennox. 2,499,961, Mar. 7
Heating unit, Electric. T. H. Lennox. 2,515,781, July 18.
Heating unit, Electric. M. McGraw. 2,493,542, Jan. 3.
Heating unit, Electric. L. S. Weimer. 2,497,039, Feb. 7.
Heating unit, Electric toaster. F. W. Scharf. 2,522,724, Sept. 19.
Heating unit for electrically energized cookers. B. Ames. 2,508,357, May 23.
Heating unit, Hinged. W. R. Tuttle. 2,506,554, May 2.
Heating, vaporizing, and/or boiling water. L. J. Montone. 2,493,923, Jan. 10.
Heating water by electricity. O. Downs. 2,530,382, Nov. 21.
Heavy-duty coaster brake. E. E. Hood. 2,529,216, Nov. 7.
Heavy-duty flexible drill pipe. J. A. Zublin. 2,515,366, July 18.
Heavy-duty vehicle. P. de Anguera. 2,518,293, Aug. 8.
Heavy-duty welding rod holder. M. Wells. 2,504,607, Apr. 18.
Heddle. J. J. Kaufmann. 2,529,555, Nov. 14.
Heddle bar support. F. M. Suchke. 2,514,298, July 4.
Hedge or grass trimmer, Motor operated. P. De Young. 2,532,982, Dec. 5.
Hedge trimmer attachment. F. M. Greene. 2,510,311, June 6.
Hedge trimmer, Electrical portable. W. R. Hall. 2,509,564, May 30.
Heel. H. F. Banner. 2,531,963, Nov. 28.
Heel attaching machine. T. B. Clarke. 2,524,120, Oct. 3.
Heel attaching machine. E. F. Small. 2,494,494, Jan. 10.
Heel attaching machine. J. F. Standish. 2,503,520, Apr. 11.
Heel-breasting machine. F. A. Eich and N. A. Monfils. 2,534,343, Dec. 19.
Heel breasting machine. P. White and F. B. Keail. 2,530,590, Nov. 21.
Heel, Cushion. P. Maass. 2,530,395, Nov. 21.
Heel, Cushion. S. Stoiner. 2,532,742, Dec. 5.
Heel for shoes, Resilient. G. Wallach. 2,508,318, May 16.
Heel-pricking means. T. B. Clarke and A. A. Rivington. 2,493,859, Jan. 10.
Heel protector. S. C. Maloy. 2,523,221, Sept. 19.
Heel protector for boots and shoes. G. Leganger-Krogstad. 2,522,830, Sept. 19.
Heel, Shoe. F. Vicente. 2,500,302, Mar. 14.
Heel size selector. C. W. Laing. 2,535,296, Dec. 26.
Heel tab for oxfords, Friction-reducing. E. A. Giersch. 2,495,929, Jan. 31.
Helical gear shallow well pump. F. C. Byram. 2,512,764, June 27.
Helical pump. S. O. Allen. 2,527,670, Oct. 31.
Helicopter. E. Daland. 2,523,197, Sept. 19.
Helicopter. E. W. Kay and R. L. Fortner. 2,521,012, Sept. 5.
Helicopter. P. M. Lewis. 2,501,227, Mar. 21.
Helicopter. C. G. Pullin. 2,509,313–14, May 30.
Helicopter. K. Watson. 2,494,217, Jan. 10.
Helicopter construction. S. B. Williams. 2,497,040, Feb. 7.
Helicopter control system. J. F. Faulkner. 2,505,759, May 2.
Helicopter having adjustable rotors and stabilizing fins. H. G. Traver. 2,532,683, Dec. 5.
Helicopter, Multirotor. D. B. Linville. 2,529,033, Nov. 7.
Helicopter rotor arrangement. J. E. McDonald. 2,514,205, July 4.
Helicopter rotor control mechanism. I. I. Sikorsky, W. E. Hunt, and E. F. Katzenberger. 2,529,635, Nov. 14.
Helicopter, Tandem rotor. F. N. Piasecki. 2,507,993, May 16.
Helicopter with antitorque tail jet. J. G. Lee. 2,518,697, Aug. 15.
Helicopter with jet reaction for counteracting torque. C. G. Pullin. 2,503,172, Apr. 4.
Helix of metal wire for use as fishing sinkers and for other purposes. T. M. Rector. 2,501,634, Mar. 21.
Helmet for welding and burning, Diver's. G. H. Ruhl. 2,517,600, Aug. 8.
Helmet, Shower bath. J. M. Johnson. 2,515,959, July 18.
Hem binding gauge. R. Hoffman. 2,505,897, May 2.
Hem construction. S. Nachem. 2,535,224, Dec. 26.
Hemi-formalization products of ureaformaldehyde resinous condensates. E. E. Novotny, G. K. Vogelsang, and E. E. Novotny. 2,512,671, June 27.
Hemming product, Flexible. G. C. Quale. 2,526,156, Oct. 17.
Hemoglobin solution and method. J. O. Bower. 2,527,210, Oct. 24.
Hemoglobinometer. W. L. Gould. 2,523,758, Sept. 26.
Hemostatic agent and preparation thereof. A. Schoch. 2,527,579, Oct. 31.
Hemp breaking machine. A. L. Trumbo. 2,496,570, Feb. 7.
Heptachlorothiolane and producing the same. H. L. Coonradt and H. D. Hartough. 2,525,774, Oct. 17.
Heptane. Producing high purity normal. K. J. F. Dutson. 2,494,335, Jan. 10.
Herald trainer. E. W. Springer. 2,524,847, Oct. 10.
Herbicidal composition. L. Z. Jasion and L. T. Eby. 2,533,015, Dec. 5.
Herbicidal composition. A. J. Shmidl. 2,510,839, June 6.
Herbicidal compositions. C. L. Arnold. 2,534,099, Dec. 12.
Herbicidal formulations. H. L. Morrill. 2,519,780, Aug. 22.
Herbicide. R. P. Russell. 2,514,341, July 4.
Herbicides. R. C. Dosser and A. E. Colby. 2,515,198, July 18.
Hermetic sealing of an evacuated enclosure, applying in particular to the luminescent discharge tubes. P. Dussaussoy. 2,528,217, Oct. 31.
Hermetically sealed thermostatic switch. G. W. Crise. 2,519,025, Aug. 15.
Hernia pad. L. Zaras. 2,506,323, May 2.
Heterocyclic benzanthrone compounds. W. Schmidt-Nickels. 2,527,380, Oct. 24.
Heterocyclic bis acetones, thioacetones, and selenoacetones. L. G. S. Brooker and F. L. White. 2,520,358, Aug. 29.
Heterocyclic compounds and their preparation. R. R. Whetstone. 2,511,890–1, June 20.
Heterocyclic guanamines. J. T. Thurston and D. W. Kaiser. 2,535,968, Dec. 26.
Heterocyclic nitrogen compounds containing a furane nucleus and preparation thereof. E. B. Middleton. 2,524,674, Oct. 3.
Heterocyclic nitrogenous cyanine dyes containing a new group added to the nitrogen atom thereof. A. W. Anish. 2,508,324, May 16.
Heterocyclicthiol resins. P. D. Caesar and A. N. Sachanen. 2,533,764, Dec. 12.
Heterodyne eliminator communication system. J. L. A. McLaughlin. 2,535,442, Dec. 26.
Heterodyne frequency modulator with distortion compensation. S. W. Moulton. 2,529,736, Nov. 14.
Heterodyne receiver circuit. H. Blok. 2,525,394, Oct. 10.
Heteropolyacids containing a heavy metal, Preparing. M. F. Bechtold. 2,503,991, Apr. 11.
Hexachlorocyclohexane, Production of. D. B. Stormon. 2,499,120, Feb. 28.
Hexachlorocyclopentadiene, Making. E. T. McBee and C. F. Baranauckas. 2,509,160, May 23.
Hexachlorothiolane. H. D. Norris and J. H. McCracken. 2,504,083, Apr. 11.
Hexachlorothiolene. H. D. Norris and J. H. McCracken. 2,504,084, Apr. 11.
Hexahydronaphthalene, Preparing. A. Bell. 2,514,365, July 11.
Hexahydro pyrimidine derivatives and making same. E. Bergmann. 2,525,855, Oct. 17.
Hexahydropyrimidines and producing them, Substituted. G. H. Morey. 2,535,747, Dec. 26.
Hexamethylenediamine, Producing. B. W. Howk and G. M. Whitman. 2,504,024, Apr. 11.
Hexaorganodisilapropanes, Production of. J. T. Goodwin, Jr. 2,507,513, May 16.
Hidden container lock. E. M. Hirsch. 2,494,942, Jan. 17.
High chair. R. G. Pierson and B. H. Hayes. 2,525,940, Oct. 17.
High-frequency activated neon sign. W. J. Browner. 2,515,757, July 18.
High-frequency apparatus. R. M. Baker and E. M. Wharff. 2,498,233, Feb. 21.
High-frequency apparatus. L. F. Sorg. 2,497,564, Feb. 14.
High-frequency apparatus for drying materials electrostatically. J. E. Phillips, Jr. 2,532,460, Dec. 5.
High-frequency apparatus having two work-engaging electrodes and one adjustable electrode. C. E. Ellsworth. 2,504,969, Apr. 25.
High-frequency current generator. H. J. O'Neil. 2,499,155, Feb. 28.
High-frequency damping tube. D. Pasma. 2,523,391, Sept. 26.
High-frequency electromagnetic-wave translating arrangement. H. A Wheeler. 2,508,479, May 23.
High-frequency electron discharge tube. M. J. O. Strutt, A. van der Ziel, and K. S. Knol. 2,534,836, Dec. 19.
High-frequency filter. F. A. Jenks. 2,501,677, Mar. 28.
High-frequency generator. A. Montani. 2,529,408, Nov. 7.

High-frequency heating. R. W. Bradley. 2,526,724, Oct. 24.
High-frequency inductor block. J. B. Wadhams. 2,528,714, Nov. 7.
High-frequency mixer. R. Raymond. 2,501,093, Mar. 21.
High-frequency pulse generator. A. V. Loughren. 2,511,595, June 13.
High-frequency reactance circuits. A. G. Kandoian. 2,510,982, June 13.
High-frequency receiver circuits. B. J. Lawrence. 2,511,673, June 13.
High-frequency resonator tube. W. W. Hansen. Re. 23,277, Oct. 3.
High-frequency spot heater. P. D. Zottu. 2,506,626, May 9.
High-frequency treating system. P. D. Zottu. 2,505,025, Apr. 25.
High-frequency tuning circuit. M. Wallace. 2,498,932, Feb. 28.
High-frequency vernier tuning condenser. H. A. Moore. 2,525,706, Oct. 10.
High-gain amplifier tube. R. Adler and J. G. Prentiss. 2,533,750, Dec. 12.
High-heat resistant ducts, Manufacturing. F. A. Greenwald and J. W. Wurtz. 2,525,070, Oct. 10.
High-pressure coupling. K. M. Snider. 2,529,821, Nov. 14.
High-pressure pump. F. H. Carey. 2,528,739, Nov. 7.
High-pressure swivel hose coupling. G. R. Coss. 2,498,395, Feb. 21.
High-silicon cast iron. A. R. Elsea. 2,501,215, Mar. 21.
High-speed cover transfer means. J. Simpson and R. M. Mero. 2,516,653, July 25.
High-speed mercury diffusion pump. G. R. Stoltenberg. 2,499,839, Mar. 7.
High-speed rail vehicle. R. Meyer. 2,503,120 Apr. 4.
High-speed rotor mounting. M. H. Arms. 2,523,983, Sept. 26.
High splice structure for full-fashioned stockings and making the same. W. Nebel. 2,532,072, Nov. 28.
High stability oscillator generator. L. Norde. 2,495,177, Jan. 17.
High-temperature alloy. R. B. Johnson, Jr. 2,515,774, July 18.
High-temperature article. P. A. Jennings. 2,496,246, Jan. 31.
High-temperature castable refractories. C. L. Norton, Jr., and V. J. Duplin, Jr. 2,527,500, Oct. 24.
High-temperature cobalt alloy. E. Epremian. 2,515,775, July 18.
High-vacuum diffusion pump. E. W. Flosdorf. 2,505,953, May 2.
High vacuum indicator. G. D. Bagley. 2,503,372, Apr. 11.
High vacuums. M. J. Hunter. 2,530,356, Nov. 14.
High-voltage cathode-ray tube corona ring. L. E. Swedlund. 2,508,001, May 16.
High-voltage high-vacuum acceleration tube. J. G. Trump and R. W. Cloud. 2,501,882, Mar. 28.
High-voltage method and system. M. Newman. 2,535,651, Dec. 26.
High-voltage supply for cathode-ray tubes. E. L. Clark and A. Wright. 2,535,530, Dec. 26.
Higher speed gear. R. E. and D. A. Bennett. 2,520,194, Aug. 29.
Highly corrected four component objective lens. J. G. Baker. 2,532,752, Dec. 5.
Highly corrected objective having two inner divergent meniscus components between collective components. J. G. Baker. 2,532,751, Dec. 5.
Highway and rail freight unit, Combined. C. D. Dove. 2,513,552, July 4.
Highway guard structure bracket. N. Greenwell. 2,518,004, Aug. 8.
Himalaya and slub means for spinning frames. I. B. McKeown. 2,509,443, May 30.
Hinge. A. W. Bailey. 2,507,329, May 9.
Hinge. R. B. Battersby. 2,515,071, July 11.
Hinge. G. E. Dath. 2,507,759, May 16.
Hinge. R. G. and M. C. Davis. 2,527,403, Oct. 24.
Hinge. F. R. Eichner. 2,507,965, May 16.
Hinge. C. E. H. Frykdahl. 2,495,371, Jan. 24.
Hinge. F. F. Gravelle and T. Thape. 2,495,962, Jan. 31.
Hinge. R. Levane. 2,497,266, Feb. 14.
Hinge, Adjustable. N. R. Kamfjord. 2,532,772, Dec. 5.
Hinge, Adjustable overhead door. R. Fowler. 2,516,196, July 25.
Hinge and stop, Toilet seat. G. W. De Bell. 2,535,789, Dec. 26.
Hinge arrangement, Ventilating window. C. F. Kramer. 2,518,152, Aug. 8.
Hinge, Awning. D. S. Ackerman. 2,497,337, Feb. 14.
Hinge, Casement sash. F. E. Bissell, Jr., and E. E. Claussen. 2,497,288, Feb. 14.
Hinge, Compensating. G. W. Slopa. 2,535,324, Dec. 26.
Hinge construction. R. C. Barlow. 2,505,848, May 2.
Hinge construction. H. S. Bradley. 2,504,635, Apr. 18.
Hinge construction. A. V. Rowe. 2,494,001, Jan. 10.
Hinge construction. F. A. Saaf. 2,513,366, July 4.
Hinge construction, Aircraft control. R. E. Saunders and R. P. Johnston. 2,495,605, Jan. 24.
Hinge construction for receptacles and the like. M. H. Morrison. 2,520,508, Aug. 29.
Hinge, Door. A. W. Aspin. 2,494,682, Jan. 17.
Hinge, Door. N. Feeley. 2,520,536, Aug. 29.
Hinge, Door closing control. H. S. Diebel. 2,493,115, Jan. 3.
Hinge, Door-closing control. H. S. Diebel. 2,493,118, Jan. 3.
Hinge, Double-acting. C. W. Kujawa. 2,511,777, June 13.
Hinge, Flexible. F. H. Groesbeck and H. A. Stewart. 2,526,129, Oct. 17.
Hinge for davenports or sofa beds, Positive latch controlled. S. S. Bernstein. 2,501,464, Mar. 21.
Hinge for plastic receptacles. A. H. Radde. 2,534,989, Dec. 19.
Hinge for receptacle closures, Integral. E. P. Kampa. 2,509,355, May 30.
Hinge, Friction-controlled. E. A. Ring. 2,504,351, Apr. 18
Hinge-holding mechanism. P. H. Durup. 2,526,209, Oct. 17.
Hinge, Hydraulic checking. H. S. Diebel. 2,493,117, Jan. 3.
Hinge joint. J. V. Rieger. 2,501,581. Mar. 21.
Hinge means. A. W. McDonald. 2,510,827, June 6.
Hinge mechanism, Adjustable. H. E. Hubbs. 2,530,331, Nov. 14.
Hinge, Moldable plastic. H. Jacobson. 2,500,829, Mar. 14.
Hinge, Overlap. R. E. Slopa. 2,521,756, Sept. 12.
Hinge, Roller type. A. F. Matthews. 2,494,347; Jan. 10.
Hinge, Seat friction. W. H. Young. 2,500,594, Mar. 14.
Hinge, Self-gaging bevel wing butt. J. White and G. D. Manville. 2,494,789, Jan. 17.
Hinge, Sofa bed. M. H. Harman. 2,495,413, Jan. 24.
Hinge, Spring. J. E. Olvis. 2,493,019, Jan. 3.
Hinge, Spring. C. H. Wasson and L. D. Neer. 2,520,616, Aug. 29.
Hinge, Spring balanced. W. F. Borgerd, J. S. Palmer, and L. H. Hinkel. 2,500,057, Mar. 7.
Hinge structure. J. B. Adler and L. J. Rosa. 2,500,481, Mar. 14.
Hinge structure. W. A. Heilmann. 2,493,580, Jan. 3.
Hinge structure. H. J. Reiter. 2,533,626, Dec. 12.
Hinge structure, Counterbalanced. R. A. Nowell. 2,535,448, Dec. 26.
Hinge structure for spraying attachments. O. A. Clark and O. D. Hughes. 2,532,996, Dec. 5.
Hinge structure, Gate. W. A. Gilmore. 2,497,495, Feb. 14.
Hinged aperture gate. L. H. Moomaw. 2,495,018, Jan. 17.
Hinged container. P. H. Bronnenkant. 2,526,458, Oct. 17.
Hinged picture frame. G. M. Versosa. 2,533,978, Dec. 12.
Hitch. C. L. Christensen. 2,513,003, June 27.
Hitch. M. H. Deviley. 2,531,559, Nov. 28.
Hitch. C. E. Newkirk. 2,532,637, Dec. 5.
Hitch and bumper guard, Combined trailer. L. J. Morast. 2,525,707, Oct. 10.
Hitch and drawbar construction for cultivators. G. Geraldson. 2,495,928, Jan. 31.
Hitch and guard, Combined trailer. A. A. Johnson. 2,510,782, June 6.
Hitch, Automobile trailer. A. P. Roth. 2,495,136, Jan. 17.
Hitch, Brake-actuating trailer. C. C. Fenstermacher. 2,513,854, July 4.
Hitch, Combine wagon. C. M. Goodspeed. 2,512,097, June 20.
Hitch construction. L. L. Hyler. 2,535,927, Dec. 26.
Hitch coupling. J. S. Connors. 2,529,868, Nov. 14.
Hitch for combines, Wagon. F. J. Knoblauch. 2,524,669, Oct. 3.
Hitch for harrows, Winged drag. I. Stolen. 2,519,717, Aug. 22.
Hitch for hay balers, Wagon. W. Reiter and V. Dettman. 2,516,646, July 25.
Hitch for portable measuring devices, Resilient. P. G. Regna. 2,505,250, Apr. 25.
Hitch for portable rollers, Towing. F. J. Wright. 2,495,493, Jan. 24.
Hitch for tractors and attachments. K. O. Engnell and A. A. Meyer. 2,522,934, Sept. 19.
Hitch for trailers. J. A. Schlenz. 2,527,155, Oct. 24.
Hitch, Implement. E. P. McNair. 2,507,799, May 16
Hitch mechanism for tractors. E. V. Bunting. 2,506,773, May 9.
Hitch, Mower dampening. A. G. Hupp. 2,532,230, Nov. 28.
Hitch, No-sway trailer. F. Koeckritz. 2,522,793, Sept. 19.
Hitch pintle hook. H. Ketel. 2,522,791, Sept. 19.
Hitch, Plow. O. W. Oerman. 2,495,818, Jan. 31.
Hitch, Quick detachable. W. H. Silver and R. E. Cox. 2,533,521, Dec. 12.
Hitch, Safety release. G. W. Kaschmitter. 2,511,272, June 13.
Hitch, Tandem tractor. C. W. Leighner. 2,525,917, Oct. 17.
Hitch, Traction. C. E. Spencer. 2,511,182, June 13.
Hitch, Tractor. F. Blessinger, Jr. 2,513,783, July 4.
Hitch, Tractor. C. E. Clapper. 2,507,369, May 9.
Hitch, Tractor. P. F. Hansen. 2,494,757, Jan. 17.
Hitch, Tractor. J. Johnson. 2,510,179, June 6.
Hitch, Tractor. S. Maras. 2,493,888; Jan. 10.
Hitch, Tractor. D. R. Reed. 2,499,879, Mar. 7.
Hitch, Tractor mower. R. B. Hitchcock. 2,533,804, Dec. 12.

Hitch, Tractor towing. C. E. Clapper. 2,503,935, Apr. 11.
Hitch, Trailer. H. Blue. 2,510,677, June 6.
Hitch, Trailer. D. C. Grewe. 2,511,257, June 13.
Hitch, Trailer. H. D. Hume. 2,493,874, Jan. 10.
Hitch, Trailer. D. S. Weiss. 2,498,776, Feb. 28.
Hitch, Trailer dumping. P. Lindsay. 2,522,385, Sept. 12.
Hitch, Two plow. T. McClintock. 2,515,016, July 11.
Hitch, Universal mower. L. L. Weber, T. T. Kling, and T. L. Franken. 2,503,696, Apr. 11.
Hitch, Vehicle draft. J. H. Grube. 2,513,932, July 4.
Hitching arrangement for harvesters and allied equipment. N. F. Andrews, R. L. Dort, J. Verger, W. J. Coultas, and S. E. Hill. 2,494,080, Jan. 10.
Hob. F. H. Boor. 2,511,964, June 20.
Hob. S. M. Stafford. 2,498,721, Feb. 28.
Hobbing machine. W. S. Praeg. 2,528,242, Oct. 31.
Hobbyhorse. G. Coleman. 2,504,000, Apr. 11.
Hobbyhorse. M. R. Whitney. 2,526,786, Oct. 24.
Hod. T. W. Lee. 2,512,344, June 20.
Hoe, Tractor mounted vineyard. M. K. Smith. 2,521,549, Sept. 5.
Hog and cattle skinning table. W. J. Wilson. 2,506,532, May 2.
Hog feeder. L. A. Boland. 2,500,270, Mar. 14.
Hog feeder. W. J. Pax. 2,513,200, June 27.
Hog feeder. G. C. Pittenger and D. R. Thornhill. 2,522,635, Sept. 19.
Hog feeder. E. Uhrenholdt. 2,525,385, Oct. 10.
Hog feeder. E. Uhrenholdt. 2,533,538, Dec. 12.
Hog handling apparatus. H. H. Seyler. 2,521,487, Sept. 5.
Hogshead. E. L. Barkley, Jr. 2,514,829, July 11.
Hogshead. J. L. Botner and W. R. Vaughn. 2,502,504, Apr. 4.
Hoist. W. W. Berchtold. 2,495,804, Jan. 31.
Hoist. H. A. Briggs. 2,531,668, Nov. 28.
Hoist. L. F. Dakin. 2,513,403, July 4.
Hoist. W. H. Hampton and H. W. Weigand. 2,518,776, Aug. 15.
Hoist. H. Q. Hollmann. 2,495,811, Jan. 31.
Hoist. M. S. Katow. 2,527,097, Oct. 24.
Hoist. F. W. Kroger. 2,493,150, Jan. 3.
Hoist. C. J. Manney. 2,535,985, Dec. 26.
Hoist. H. F. Parker. 2,503,682, Apr. 11.
Hoist. B. F. Schmidt. 2,505,435, Apr. 25.
Hoist. W. J. Wallace, Jr. 2,517,813, Aug. 8.
Hoist and dock, Combined. A. H. Jones. 2,529,948, Nov. 14.
Hoist and dumping mechanism for separable bodies. A. F. Meyer. 2,527,369, Oct. 24.
Hoist and wire stretcher, Free chain combination. F. W. Coffing. 2,507,889, May 16.
Hoist, Automobile. H. C. Sommer. 2,498,304, Feb. 21.
Hoist boom, Hay. H. E. Sebesta. 2,528,670, Nov. 7.
Hoist bracket. W. A. Duffey. 2,530,452, Nov. 21.
Hoist brake. R. F. Dehn. 2,525,402, Oct. 10.
Hoist brake. W. G. Wehr. 2,525,434, Oct. 10.
Hoist, Builder's. O. Schuchert. 2,531,346, Nov. 21.
Hoist, Cableway. N. S. Bateman and M. F. Missiaen. 2,531,022, Nov. 21.
Hoist, Cargo. W. A. Bortner, W. W. Collins, and E. J. Tousignan. 2,529,908, Nov. 14.
Hoist chain equipment. I. L. Young. 2,529,858, Nov. 14.
Hoist control for dredge draglines, Synchronized. G. E. King. 2,534,917, Dec. 19.
Hoist control, Remote. W. Harnischfeger and G. Koehler. 2,529,804, Nov. 14.
Hoist device. W. M. Grigsby. 2,497,600, Feb. 14.
Hoist, Double-acting hydraulic. V. I. Gandrup. 2,504,406, Apr. 18.
Hoist, Fluid-operated. C. D. P. Smallpeice. 2,500,879, Mar. 14.
Hoist for conveying loads to moving platforms. C. F. Brereton. 2,526,847, Oct. 24.
Hoist for dump truck bodies. R. Doré. 2,509,911, May 30.
Hoist for gun mountings and analogous purposes. C. F. Brereton. 2,515,075, July 11.
Hoist for loading heavy tractor tires. V. P. Zierke. 2,509,950, May 30.
Hoist for motor vehicle parts. H. L. Hardin. 2,522,267, Sept. 12.
Hoist for trailers and farm wagons, Hydraulic. H. H. Wenigar. 2,525,983, Oct. 17.
Hoist, Hand. H. F. Parker and E. E. Robins. 2,493,727, Jan. 3.
Hoist, Hay. J. L. Staver. 2,498,611, Feb. 21.
Hoist holding means, Scaffold. H. S. Geer. 2,493,242, Jan. 3.
Hoist, Hydraulic. E. J. Shaffer. 2,502,895, Apr. 4.
Hoist, Mechanical truck and trailer. V. A. Van Orsdale. 2,500,440, Mar. 14.
Hoist mechanism. F. I. Rataiczak. 2,523,878, Sept. 26.
Hoist mechanism for dump trucks. F. Biszantz. 2,497,844, Feb. 21.
Hoist or off-bearer. W. G. Schutt. 2,535,961, Dec. 26.
Hoist, Portable. J. K. Stanland. 2,521,191, Sept. 5.
Hoist, Portable power. C. Dalbeck. 2,519,119, Aug. 15.
Hoist, Power-operated two-speed. G. E. Moore. 2,534,726, Dec. 19.
Hoist safety device. E. O. Hermann. 2,498,422, Feb. 21.
Hoist, Sewer bucket emptying. L. R. and K. I. Robinson, E. O. Berger, and W. S. Lanz. 2,502,593, Apr. 4.
Hoist structure, Electric. E. Todd. 2,514,563, July 11.
Hoist, Suspended type. C. H. Schramm and R. E. Smith. 2,496,754, Feb. 7.
Hoist, Telescopic power down. L. S. Wood. 2,517,153, Aug. 1.
Hoist, Two-speed. E. H. Shaff. 2,500,326, Mar. 14.
Hoist, Vehicle. O. B. Jeffers. 2,517,318, Aug. 1.
Hoist, Vehicle. H. D. Smith. 2,524,237, Oct. 3.
Hoist, Wagon. E. C. Pollard. 2,508,537, May 23.
Hoist, Wagon box. E. A. Rolf and H. Hoefer. 2,517,716, Aug. 8.
Hoist with adjustably supported arm, Pivoted. J. Hauk. 2,521,216, Sept. 5.
Hoisting and launching means for boats. G. B. Post. 2,530,840, Nov. 21.
Hoisting apparatus and automatic cover structure therefor, Combined. D. A. Wallace. 2,530,137, Nov. 14.
Hoisting apparatus for elevator platforms. J. O. W. Granath. 2,500,539, Mar. 14.
Hoisting apparatus with an articulated mast boom. E. E. Baker. 2,524,748, Oct. 10.
Hoisting device for line poles. H. C. Mott. 2,493,687, Jan. 3.
Hoisting mechanism for removing a container from a basement. P. J. Hanby. 2,517,787, Aug. 8.
Holder: *See*—
Accordion key holder.
Adjustable bobbin and battery holder.
Adjustable book and magazine holder.
Adjustable buckle holder.
Adjustable cutting torch holder.
Adjustable mirror or picture holder.
Air gun projectile holder.
Ajar door holder.
Ammunition box holder.
Animal holder.
Antinicotine cigarette holder
Arch support holder.
Article holder.
Automatic rotary drill pipe holder.
Automobile map holder.
Baby's plate holder.
Bag holder.
Bait-fish holder.
Berry vine holder.
Bevel gear holder.
Bird cake holder.
Blade holder.
Blanket holder.
Bobbin holder.
Boring bar holder.
Bottle holder.
Branch holder.
Brush holder.
Bucket holder.
Burette holder.
Cable holder.
Card holder.
Card title holder.
Chalk holder.
Change holder.
Chaser holder.
Christmas tree holder.
Cigar and cigarette holder.
Cigar holder.
Cigarette and cigar holder.
Cigarette holder.
Cigarette package holder.
Clamp paintbrush holder.
Collapsible hat holder.
Collapsible tube holder.
Collar display holder.
Combined pen and pencil holder.
Condiment and toothpick holder.
Cone holder.
Contact-type electrode holder.
Cooled keg holder.
Corn holder.
Cosmetic holder.
Cow tail holder.
Counter partition holder.
Cravat holder.
Crayon holder.
Crucible holder.
Crystal holder.
Curtain holder.
Cut film holder.
Cutoff and form tool holder.
Cutting torch holder.
Dental floss holder.
Desk novelty letter holder.
Detachable illuminated card holder.
Die holder.
Disappearing refuse holder.
Display holder.
Door holder.
Drill and reamer holder.
Drill chuck key holder.
Egg holder.
Electric cartridge fuse holder.
Electrode holder.
Electrodynamic pickup hearing U-shaped coil holder.
Fender flag holder.
Film holder.
Fire extinguisher holder.
Fish holder.
Fishhook holder.
Fishing pole holder.
Fishing rod and reel holder.
Fishing rod holder.
Flag holder.
Flask or test tube holder.
Flatiron holder.
Floating holder.
Flower holder.
Flowerpot holder.
Fluorescent lamp holder.
Foldable tree holder.
Folding holder.
Friction sash holder.
Fly holder.
Garbage can holder.
Garden hose holder.
Garment holder.
Gas holder.
Gauge line holder.
Glass holder.
Handkerchief holder.
Hat holder.
Heavy-duty welding rod holder.
Hook to gut holder.
Hose garter and corset supporter holder.
Illuminated license plate holder.
Illuminated record holder.
Inclined water tube holder.
Index strip holder.
Iron cord holder.
Iron holder.
Ironing cord holder.
Key holder.
Key identification holder.
Knurling tool holder.
Lamp bulb holder.
Lamp flare holder.
Lamp holder.
Lamp shade holder.
Lantern holder.
Lead pencil holder.
Level holder.
License plate holder.
Lighttight cigarette holder.
Line holder.
Lipstick holder.
Live bait holder.
Locking holder.
Magnetic door holder.
Magnetic pencil holder.
Magnetic sadiron holder.

Holder: *See*—Continued.
Magnetic sandpaper holder.
Map holder.
Match holder.
Masonry guideline holder.
Meat holder.
Memorandum paper holder.
Milk bottle holder.
Minnow holder.
Motorized torch holder.
Multicompartment condiment holder.
Multiple address tape holder.
Multiple snell holder.
Music holder.
Musical toothbrush holder.
Napkin holder.
Necktie holder.
Needle holder.
Noncrystalline synthetic resin holder.
Nontipping ink bottle holder.
Nursing bottle holder.
Pad holder.
Pail holder.
Paintbrush holder.
Paint can holder.
Paper cup holder.
Paper match holder.
Paper roll holder.
Pen and pencil holder.
Pen or pencil holder.
Pencil holder.
Phonograph record holder.
Photographic developing tray holder.
Photographic film holder.
Photographic print paper holder.
Picture display holder.
Picture holder.
Piezoelectric crystal holder.
Plate holder.
Playing card holder.
Portable hat holder.
Pot holder.
Press iron holder.
Pressing iron holder.
Price tag holder.
Punchboard holder.
Razor blade holder.
Receptacle holder.
Recessing tool holder.
Requisition holder.
Rod and reel holder.
Roll holder.
Roll toilet paper holder.
Rotary film holder.
Rotary music holder.
Sadiron holder.
Sales book holder.
Sanitary toothbrush holder.
Sash holder.
Saw lubricant holder.
Score card holder.
Scouring pad holder.
Screw holder.
Screw-operated pivoted-jaw bolt holder.
Self-punching and retaining paper holder.
Self-watering reservoir type plant holder.
Shaper blade holder.
Sheet holder.
Shoulder-supported flashlight holder.
Shower curtain holder.
Shredded metal holder.
Slot holder.
Smoking article holder.
Soap holder.
Speednut holder.
Spool and scissors holder.
Steel wool holder.
Stylus holder.
Surface mounted jar holder.
Tape holder.
Telephone holder.
Telephone pencil holder.
Template holder.
Thermionic valve holder.
Thread holder.
Threading-die holder.
Tire tube holder.
Toilet paper holder.
Toilet paper roll holder.
Tool and cutter holder.
Toothbrush and dentifrice holder.
Toothbrush holder.
Towel holder.
Transducer holder.
Tree holder.
Toilet tissue holder.
Trip rope holder.
Trouser holder.
Tube holder.
Tumbler holder.
Universal all wire holder.
Universal scouring pad holder.
Venetian blind slat holder.
Vertically adjustable fluid pressure actuated work holder.
Wash line holder.
Watch holder.
Welding rod holder.
Window holder.
Work holder.
Wrench holder.
Wrist watch holder.

Holder. H. Block. 2,495,806, Jan. 31.
Holder. M. Margo. 2,514,778, July 11.
Holder. D. S. Wyse. 2,524,617, Oct. 3.
Holder and adjuster, Window. R. J. Williamette. 2,510,303, June 6.
Holder and ash retainer, Cigarette. L. Fook. 2,518,131, Aug. 8.
Holder and brush, Brush. P. C. Gardiner and C. W. Frick. 2,515,768, July 18.
Holder and brush, Compact. A. Korody. 2,493,074, Jan. 3.
Holder and camera support, Combined floodlight. A. Secofsky and M. A. Meisel. 2,530,912, Nov. 21.
Holder and carrier, Bottle. G. M. Acton. 2,502,690, Apr. 4.
Holder and carrier, Bottle. G. M. Acton. 2,522,978, Sept. 19.
Holder and carrier, Bottle. G. M. Acton. 2,535,114, Dec. 26.
Holder and carrier for twin pails. D. A. and C. E. McWethy. 2,519,149, Aug. 15.
Holder and clamp for polishing purposes, Shoe. J. W. Brewer. 2,498,358, Feb. 21.
Holder and connector, Electric cord. E. Cortes. 2,514,628, July 11.
Holder and cooler, Pressing iron. H. J. Burnish, III, and V. F. Burnish. 2,529,132, Nov. 7.
Holder and cover therefor, Paintbrush. J. Comfort. 2,533,355, Dec. 12.
Holder and cutter for ampoules. J. E. Thompson. 2,508,696, May 23.
Holder and dispenser, Cartridge. J. W. Kirby. 2,499,652, Mar. 7.
Holder and dispenser, Combined collapsible tube. D. Small. 2,507,651, May 16.
Holder and drip catcher, Pot cover. A. W. Grodde. 2,506,211, May 2.
Holder and file for photographic slides. H. A. McClain. 2,511,730, June 13.
Holder and filling valve, Self-adjusting sack. L. B. Berg. 2,525,113, Oct. 10.
Holder and making same, Paper roll. I. A. Williams. 2,513,699, July 4.
Holder and manipulator, Sandpaper. T. K. Lovejoy. 2,519,486, Aug. 22.
Holder and method, X-ray spectrometer. T. F. Boyd. 2,500,926, Mar. 21.
Holder and opener, Bobby pin. M. D. Auman. 2,528,991, Nov. 7.
Holder and opener, Bobby-pin. C. G. Skinner. 2,513,971, July 4.
Holder and paint can handle, Combination brush. C. G. Davis. 2,493,751; Jan. 10.
Holder and perforator, Can. W. J. Pasmore. 2,532,244, Nov. 28.
Holder and pleater, Drapery. D. R. Calvani. 2,524,958, Oct. 10.
Holder and printer for sales slips. O. E. Ekblom. 2,530,049, Nov. 14.
Holder and protector, Garbage can. H. B. Logan. 2,505,126, Apr. 25.
Holder and protector, Tag. P. J. Warmath. 2,527,900, Oct. 31.
Holder and saliva ejector, Cotton roll. G. A. Smith. 2,507,938, May 16.
Holder and sharpener, Pencil. A. F. Stone. 2,501,295, Mar. 21.
Holder and shelf, Combined toilet paper. A. F. Carlin. 2,521,899, Sept. 12.
Holder and starter, Screw. D. D. Vertin. 2,532,972, Dec. 5.
Holder and stretcher, Shoe. C. E. Denton. 2,500,242, Mar. 14.
Holder and support, Bulletin sheet. C. G. Hubbell. 2,530,821, Nov. 21.
Holder and wiper, Gauge line. P. T. Menke. 2,504,563, Apr. 18.
Holder attachment for culinary vessels, Spoon. W. F. Kenly. 2,530,470, Nov. 21.
Holder attachment for telephones, Spectacle. G. H. Yost. 2,509,793, May 30.
Holder device for stereoscopic slides, Triple slide. F. W. Brock. 2,533,347, Dec. 12.
Holder for a stack of sheets. A. Postell. 2,500,468, Mar. 14.
Holder for assembling straps, Buckle. W. R. Spearrin. 2,508,340, May 16.
Holder for attachment to measuring sticks, Chalk. C. W. Newton. 2,496,811, Feb. 7.
Holder for attachment to shelves, Rotary package. G. D. Wiepert. 2,529,581, Nov. 14.
Holder for automobiles, Cigarette. W. Strumbos. 2,514,014, July 4.
Holder for automobiles, Display card. W. E. Whaley. 2,496,763, Feb. 7.
Holder for automobiles, Fish pole. G. J. Walslager. 2,514,266, July 4.
Holder for boats, Lantern. F. E. Hull. 2,531,626, Nov. 28.
Holder for bobbins. R. D. Sedgewick. 2,493,208, Jan. 3.
Holder for bulbs. S. M. McElroy. 2,535,586, Dec. 26.
Holder for cakes, Candle. A. R. Steinhilb. 2,499,079, Feb. 28.
Holder for cameras, Cut film. L. V. Grover. 2,513,560, July 4.
Holder for cameras, Light. H. Powell. 2,532,075, Nov. 28.
Holder for cans, Sign. A. L. Moburg. 2,524,922, Oct. 10.
Holder for caskets, Flower. F. E. Gano. 2,516,379, July 25.
Holder for caster sockets, Replaceable. A. Posch. 2,532,937, Dec. 5.
Holder for cigarettes and the like. B. F. Conley. 2,518,976, Aug. 15.
Holder for circular lamps, Lamp. F. C. Dazley. 2,534,955, Dec. 19.
Holder for circular lamps, Lamp. W. R. Young. 2,503,931, Apr. 11.
Holder for circular tubular lamps, Lamp. J. M. Pistey and F. C. De Reamer. 2,534,956, Dec. 19.
Holder for coins and other articles, Display. I. L. Hollander. 2,521,792, Sept. 12.
Holder for cold chisels and the like. G. W. McClain. 2,506,373, May 2.
Holder for collapsible tubes, Dispensing. F. T. Holloway and B. J. McKinney. 2,515,711, July 18.
Holder for combs. L. T. Sawyer. 2,530,542, Nov. 21.
Holder for comparators, Specimen. L. B. Fuller. 2,506,498, May 2.
Holder for cut flowers, Adjustable. I. R. Tingley. 2,496,758, Feb. 7.
Holder for cut photographic film. A. A. Conviser and D. B. Grossman. 2,522,347, Sept. 12.
Holder for dental attendance, Matrix. J. Müller. 2,529,174, Nov. 7.
Holder for dispensing cartons. L. F. Webber. 2,503,859, Apr. 11.
Holder for display containers, Wrist watch. J. G. Allen. 2,504,485, Apr. 18.

Holder for electrically operated devices, Battery. E. W. Butler. 2,523,354, Sept. 26.
Holder for fishing poles and rods. L. C. Phalen. 2,530,265, Nov. 14.
Holder for flashlight elements, Foldable. W. E. Bledsoe, Jr. 2,522,660, Sept. 19.
Holder for flush valves, Bumper. J. J. Delany. 2,503,940, Apr. 11.
Holder for forging machines, Work. S. J. Snorek. 2,518,086, Aug. 8.
Holder for frozen lollipops, Stick. J. Telasco. 2,508,201, May 16.
Holder for garment straps, Unitary thin flat. A. L. B. Powers. 2,529,308, Nov. 7.
Holder for gaseous discharge lamps. E. R. Kulka. 2,495,196, Jan. 17.
Holder for glass coffee makers. D. C. Taliaferro. 2,525,005, Oct. 10.
Holder for grinding wheels, Dressing. H. H. May. 2,515,091, July 11.
Holder for grooving tools. F. L. Schulkins. 2,522,803, Sept. 19.
Holder for hairpins. C. L. Rowley. 2,495,644, Jan. 24.
Holder for hand tools. M. Galen. 2,508,755, May 23.
Holder for heating units, Insulating. K. R. Kuenne. 2,498,842, Feb. 28.
Holder for instruments, Safety. W. H. Fraser. 2,530,608, Nov. 21.
Holder for ironing board covers. W. McCrory. 2,504,560, Apr. 18.
Holder for jeweler's magnifying glass, loupe, and the like. A. T. Clarke. 2,519,822, Aug. 22.
Holder for keys and the like. W. A. Ormsbee. 2,503,211, Apr. 4.
Holder for lamp bulbs and similar articles. H. W. Jacobsen. 2,512,277, June 20.
Holder for light-control devices. M. Kaplowitz. 2,498,278, Feb. 21.
Holder for lipsticks or other cosmetic containers, Manifold. P. Libson. 2,497,314, Feb. 14.
Holder for manifold typewriters, Carbon pack. L. A. Petit. 2,508,536, May 23.
Holder for manifolding work, Carbon. B. E. Schaefer. 2,496,600, Feb. 7.
Holder for metal wool. A. Schimel. 2,493,835; Jan. 10.
Holder for microobjectives. H. Heine. 2,533,371, Dec. 12.
Holder for microscope slides. E. C. Weiskopf. 2,522,416, Sept. 12.
Holder for milk can washing machines, Cheese hoop. A. Farrar. 2,534,345, Dec. 19.
Holder for milk cans, Label. S. Petersen. 2,522,398, Sept. 12.
Holder for milking machines, Teat cup. C. B. Finn. 2,512,926, June 27.
Holder for note paper. S. R. Curtis. 2,504,654, Apr. 18.
Holder for paint cans and the like. M. L. Worthington. 2,518,214, Aug. 8.
Holder for paper cups. H. Carew. 2,509,132, May 23.
Holder for paper cups. H. Carew. 2,509,134, May 23.
Holder for photo-process cameras, Film. M. H. Sussin. 2,519,610, Aug. 22.
Holder for piezoelectric oscillators. C. B. Dewey. 2,508,232, May 16.
Holder for pin base tubular lamps, Lamp. A. A. Richardson. 2,502,994, Apr. 4.
Holder for plastic sheet used for cleaning or polishing hard surfaces. C. L. Settergren. 2,518,384, Aug. 8.
Holder for printing machines, Removable tape roll. A. E. Thompson. 2,504,759, Apr. 18.
Holder for projection lanterns, Transparency. C. F. Dutton. 2,521,506, Sept. 5.
Holder for razors, Protective. E. R. Pratt. 2,523,921, Sept. 26.
Holder for reels of developed photographic paper. V. J. Forgett. 2,514,853, July 11.
Holder for removable articles, Musical. B. H. Kuyler. 2,501,822, Mar. 28.
Holder for rotary tools with center holes of different sizes. W. J. T. Hall. 2,497,217, Feb. 14.
Holder for sandpaper. A. T. Adams. 2,527,089, Oct. 24.
Holder for sewing machines, Attachment. A. N. Hale. 2,515,707, July 18.
Holder for signals and the like. T. B. Owens. 2,515,793, July 18.
Holder for silverware chests, Cutlery. W. R. Vermillion. 2,505,510, Apr. 25.
Holder for slender rods, including an elastic web having a rod-receiving aperture therein. T. Neft. 2,515,566, July 18.
Holder for soldering irons. P. C. Little and M. W. Sparrow. 2,527,435, Oct. 24.
Holder for spectacles. J. T. Griffith, Jr. 2,499,140, Feb. 28.
Holder for spiral pipe machines, Electrode. J. R. Freeze. 2,501,845, Mar. 28.
Holder for spools of ribbon and the like. H. Toombs. 2,526,440, Oct. 17.
Holder for thermionic valves. J. Bennett. 2,500,892, Mar. 14.
Holder for thermionic valves. G. W. Clark. 2,497,811, Feb. 14.
Holder for thermionic valves. M. M. Levy. 2,504,992, Apr. 25.
Holder for tools. D. Dunn. 2,527,713, Oct. 31.
Holder for toothbrushes and paste tubes. P. C. Raykoff. 2,500,905, Mar. 14.
Holder for toothpaste or the like. B. Cutler. 2,535,671, Dec. 26.
Holder for towels and similar articles. A. W. Wellington. 2,504,910, Apr. 18.
Holder for towels and the like, Vacuum cup. A. J. Ganz. 2,516,311, July 25.
Holder for training bird dogs, Pigeon. W. J. Voecks. 2,504,763, Apr. 18.
Holder for trimming tools. G. Prodromos. 2,529,963, Nov. 14.
Holder for tubular lamps having pin contacts, Electric lamp. T. Curzon. 2,519,636, Aug. 22.
Holder for use in developing, Photographic film. P. S. Woitovitch. 2,498,058, Feb. 21.
Holder for use in electrotyping, Mold or case. W. F. Carl. 2,509,722, May 30.
Holder for weft replenishing looms, Pneumatic thread. R. G. Turner. 2,501,423, Mar. 21.
Holder for weft replenishing looms, Pneumatic thread. R. G. Turner. 2,505,443, Apr. 25.
Holder for wienerwursts, frankfurters, and other similarly shaped food products. C. B. Hobbs. 2,514,281, July 4.
Holder for winding thread on fish flies, Bobbin. C. A. Elliott and R. N. Palmer. 2,504,669, Apr. 18.
Holder for window shades, curtains, and drapes, Adjustable. S. A. Vennare. 2,504,762, Apr. 18.
Holder for writing implements. R. C. Patterson. 2,511,735, June 13.
Holder for X-ray films and the like. M. L. Eichel. 2,509,088, May 23.
Holder for yarn or the like, Skein. M. W. Nicholas. 2,532,185, Nov. 28.
Holder having adjustable clamp members, Collar. L. K. Berger. 2,502,199, Mar. 28.
Holder having screw operated sliding jaw, Mop. T. W. Healy. 2,514,763, July 11.
Holder on wire garment hangers, Tag. G. E. Marica and U. E. Goodrich. 2,514,501, July 11.
Holder or carrier, Fish rod. G. T. Diderrich. 2,516,759, July 25.
Holder or protector and sharpener, Combined lead pencil. E. J. Havnen. 2,514,761, July 11.
Holder panel for removably mounting thereon indicia bearing cards. H. H. Hatchett. 2,513,239, June 27.
Holder supported and clamped between vise jaws, Work. C. M. Schmitt. 2,532,952, Dec. 5.
Holder with pivoted clamping jaw, Mop. N. Hill. 2,501,514, Mar. 21.
Holder with reciprocating cutter, Egg. R. E. Duffy. 2,509,630, May 30.
Holding and cutting device, Tape. L. M. Henning. 2,517,485, Aug. 1.
Holding and dispensing device, Bill. H. Lever. 2,506,369, May 2.
Holding and pressing device for collapsible tubes. C. E. Seifert. 2,523,066, Sept. 19.
Holding and releasing mechanism, Hand brake. K. Williams. 2,529,063, Nov. 7.
Holding apparatus for printing machines, Hollow article. A. Rank. 2,505,065, Apr. 25.
Holding device. W. Byrd, Jr. 2,519,435, Aug. 22.
Holding device. W. Carter and W. T. Clarke. 2,500,116, Mar. 7.
Holding device, Animal. C. S. Underwood. 2,522,471, Sept. 12.
Holding device for films, plates, or the like when X-raying teeth. C.-G. F. Stern. 2,522,201, Sept. 12.
Holding device for fishing poles and rods, Automatic. W. E. Nickerson. 2,516,245, July 25.
Holding means, Article. R. A. Clark. 2,528,860, Nov. 7.
Hole-drifting and tube-expanding tool. J. Hoëppe. 2,526,025, Oct. 17.
Hollow bodies, Method and apparatus for the production of. W. L. Webb, R. A. Randolph, and R. J. Taylor. 2,501,833, Mar. 28.
Hollow concrete building block. H. Klein. 2,519,664, Aug. 22.
Hollow ware washing apparatus. C. E. Linnit and B. W. Downs. 2,527,748, Oct. 31.
Holster. H. D. Adair. 2,504,369, Apr. 18.
Holster, Firearm. J. O. Tackett. 2,531,170, Nov. 21.
Holster, Flashlight. A. T. Mahan. 2,500,257, Mar. 14.
Homing beacon indicator. A. Frum. 2,502,448, Apr. 4.
Homogeneous bulk polymerization of ethylenic unsaturates in the presence of diazo-thio ethers. W. B. Reynolds and E. W. Cotten. 2,501,693, Mar. 28.
Homogeneously partially polymerized particles of thermosetting material, Preparing. G. W. Borton and S. D. Hartshorn. 2,516,295, July 25.
Honda breakaway. F. S. Rudolph. 2,530,031, Nov. 14.
Honda, Removable metal. B. W. and J. H. Quinby. 2,518,179, Aug. 8.
Hone or reamer drive for fitting piston pins, Self-aligning. C. C. Craven. 2,522,749, Sept. 19.
Honing method and apparatus. M. C. Hutto. 2,530,615, Nov. 21.

Honeycomb elastic fabric. K. W. Kerr. 2,495,847, Jan. 31.
Hood and hanging holder, Combination. C. J. Wagner. 2,506,285, May 2.
Hood and respirator, Combined. G. H. Schauweker. 2,529,106, Nov. 7.
Hood, Exhaust. R. P. Allen, Jr., F. D. Johnston, and W. H. Sohn. 2,516,839, Aug. 1.
Hood, Exhaust. R. P. Allen, Jr., and W. H. Sohn. 2,516,840, Aug. 1.
Hood for air cooling systems, Intake. C. W. Adams. 2,500,268, Mar. 14.
Hood for bottled gas containers. W. R. Rose. 2,497,561, Feb. 14.
Hood for flash tubes, Concussion relief. S. S. Minnich. 2,520,608, Aug. 29.
Hood latch. L. E. Beems, C. W. Bugbee, and T. W. Stephenson. 2,508,090, May 16.
Hood latch. A. Claud-Mantle. 2,523,814, Sept. 26.
Hood latch. E. D. Dall. 2,507,196, May 9.
Hood latch. R. W. Hautzenroeder. 2,523,505, Sept. 26.
Hood-lifter mechanism. E. E. Foster. 2,520,921, Sept. 5.
Hood, Poultry. E. W. and E. E. West. 2,505,926, May 2.
Hood, Protective. J. De Grazia. 2,524,775, Oct. 10.
Hood, robe, and self-carrier, Combined. R. M. Wolfe. 2,513,074, June 27.
Hood, Suction. M. I. Dorfan. 2,499,301, Feb. 28.
Hood, Window. J. E. Spear. 2,526,168, Oct. 17.
Hook: *See*—
Ambulance cot hook.
Automatic screen door hook.
Beveled wall hook.
Box hook.
Butt hook.
Choker hook.
Crane hook.
Door hook.
Drapery hook.
Foldable gaff hook.
Folding gaff hook.
Folding hook.
Gaff hook.
Grab hook.
Hitch pintle hook.
Lifting hook.
Logging hook.
Oil well hook.
Pipe hook.
Quick releasing safety crane hook.
Releasable cargo hook.
Rotating hook.
Safety gaff hook.
Safety hook.
Self-locking snap hook.
Self-releasing hook.
Sorting reel hook.
Spring hook.
Suspension hook.
Tail wheel actuated arresting hook.
Trap hook.
Hook and making same, Downspout. H. Rachlin. 2,514,256, July 4.
Hook and spring device, Tug. E. Sokolik. 2,516,430, July 25.
Hook assembly for brake spring tools, Spring engaging. F. J. Brugmann. 2,507,622, May 16.
Hook attachment for artificial bait. M. A. Adams. 2,522,808, Sept. 19.
Hook fastener. L. S. Girard. 2,530,518, Nov. 21.
Hook for flying boats, Pickup. A. Gouge. 2,526,348, Oct. 17.
Hook for forming slip hitches in cables or the like. L. G. Ehmann. 2,503,151, Apr. 4.
Hook for ladders, Safety bucket. F. W. Renz. 2,519,980, Aug. 22.
Hook for traps, Dragging. M. D. Reed. 2,521,537, Sept. 5.
Hook forming apparatus for rods and wire. T. S. Somerville. 2,535,328, Dec. 26.
Hook-on power-factor indicator. R. M. Rowell. 2,519,071, Aug. 15.
Hook retaining means for fishing rods. W. M. Jardine. 2,514,645, July 11.
Hook setter for fishing tackle. J. Turchan. 2,526,980, Oct. 24.
Hook structure. M. G. Clay. 2,524,189, Oct. 3.
Hook structure, Snap. H. J. Stalker. 2,504,356, Apr. 18.
Hook to gut holder. A. J. H. Crook. 2,530,292, Nov. 14.
Hook with opening means, Snap. W. T. Hanna. 2,492,991, Jan. 3.
Hoop for silos and the like, Structural. B. J. Howard. 2,524,126, Oct. 3.
Hoop retainer. F. L. Bates. 2,517,828, Aug. 8.
Hoop, Skipping. H. Brunt and Q. E. Dohman. 2,493,224, Jan. 3.
Hoop, tire, and bailing machine. D. E. Semon. 2,516,263, July 25.
Hop-picking machine. M. E. Crowley. 2,496,858, Feb. 7.
Hopper. J. L. Kemphorne. 2,504,533, Apr. 18.
Hopper. A. C. La Riviere. 2,512,549, June 20.
Hopper, Bottom-dump. E. W. Schellentrager. 2,501,743, Mar. 28.
Hopper bottom furnace. J. A. Balmer. 2,503,148, Apr. 4.
Hopper closure for filling machine with external bag clamps, which lifts and spreads bags upon being opened. L. H. Bowes. 2,511,241, June 13.
Hopper feed apparatus. J. P. Mills. 2,500,698, Mar. 14.
Hopper, Frame-supported. L. B. Neighbour and H. E. Korum. 2,506,808, May 9.
Hopper vertically adjustable for sealing contact with cover. A. R. Smith. 2,531,305, Nov. 21.
Hopper with adjustable support means. E. E. Hayes. 2,507,010, May 9.
Hopper with feed wheel, Vibratory. J. B. Sebok. 2,508,543, May 23.
Hopper with openable gate in bottom wall. S. L. Gookin. 2,499,491, Mar. 7.
Horizontal sweep circuit. W. J. Ostreicher and R. S. Mautner. 2,524,712, Oct. 3.
Horizontally swinging barber's chair. R. B. Spikes. 2,517,936, Aug. 8.
Horn assembly, Reentrant. S. E. Levy. 2,494,134; Jan. 10.
Horn, Electric. W. E. Rhodes. 2,501,234, Mar. 21.
Horn, Electromagnetic. W. L. Barrow. 2,501,658, Mar. 28.
Horn, Intermittently operated vacuum. H. N. Dimick. 2,498,256, Feb. 21.
Horn, Multiple air pressure actuated. R. E. Swanson. 2,502,354, Mar. 28.
Horn, Signal. R. D. Buell. 2,521,148, Sept. 5.
Horological instrument cleaner. G. C. Wagner. 2,496,506, Feb. 7.
Horseshoe. O. F. Quartullo. 2,529,419, Nov. 7.
Horseshoe for pitching game. W. H. Kettig. 2,497,410, Feb. 14.
Hose cabinet. F. J. Lee. 2,517,118, Aug. 1.
Hose clamp. L. Baldo. 2,522,494, Sept. 19.
Hose clamp. J. E. High. 2,517,566, Aug. 8.
Hose clamp. K. A. Hill. 2,504,836, Apr. 18.
Hose clamp. J. T. King. 2,502,156, Mar. 28.
Hose clamp. B. Stade. 2,503,223, Apr. 4.
Hose clamp. M. J. Zaleske. 2,515,484, July 18.
Hose clamping tool. F. J. Weir. 2,513,438, July 4.
Hose connection and making. D. J. Peeps. 2,525,616, Oct. 10
Hose connection, Valved. G. E. Peters and L. E. Russell. 2,497,906, Feb. 21.
Hose construction. H. J. Asher. 2,528,409, Oct. 31.
Hose construction. H. S. Church. 2,503,934, Apr. 11.
Hose coupling. H. W. Goodall. 2,512,741, June 27.
Hose coupling. H. M. Messick. 2,494,774, Jan. 17.
Hose coupling. W. E. Phillips. 2,503,169, Apr. 4.
Hose coupling. L. C. Rotter and A. T. Laspe. 2,535,460, Dec. 26.
Hose coupling. E. Schulthess. 2,501,619, Mar. 21.
Hose coupling. D. L. Spender. 2,517,606, Aug. 8.
Hose coupling device and compression member for use therein. C. M. Moore. 2,523,874, Sept. 26.
Hose end. G. H. Hufferd and C. H. Crawley. 2,517,669, Aug. 8.
Hose end, Composite. L. B. Courtot. 2,496,037, Jan. 31.
Hose end strainer, Fire. G. W. Sheren. 2,503,455, Apr. 11.
Hose ends, Making. L. B. Courtot. 2,499,241, Feb. 28.
Hose fitting and coupling, High-pressure. G. R. Phillips. 2,520,372, Aug. 29.
Hose from elastomeric composition, Making. A. W. Gilmore and G. Koger. 2,516,864, Aug. 1.
Hose garter and corset supporter holder. W. F. Whitfield. 2,511,388, June 13.
Hose, Heated. W. G. Chausse. 2,532,995, Dec. 5.
Hose of extrudable elastomeric composition, Flexible. A. W. Gilmore and G. Koger. 2,524,522, Oct. 3.
Hose reel. D. A. Clark. 2,533,432, Dec. 12.
Hose reel. D. C. Hannay. 2,514,862, July 11.
Hose reel. F. R. House. 2,501,333, Mar. 21.
Hose reel. G. H. Palm. 2,496,489, Feb. 7.
Hose reel. G. H. Palm. 2,519,064, Aug. 15.
Hose reeling mechanism. E. E. Martin. 2,505,418, Apr. 25.
Hose support. L. J. Haupt. 2,523,658, Sept. 26.
Hose supporter. L. F. Atchley. 2,530,850, Nov. 21.
Hose turner. R. R. Hays. 2,516,383, July 25.
Hosiery. E. W. Boedeker. 2,493,910; Jan. 10.
Hosiery. W. de Mond. 2,520,091, Aug. 22.
Hosiery. L. J. Picard. 2,493,830; Jan. 10.
Hosiery finishing machine. H. Richter. 2,519,981, Aug. 22.
Hosiery, Full-fashioned. C. Richter. 2,514,456, July 11.
Hosiery, Full-fashioned. A. Wilcher and M. J. Gordon. 2,534,689, Dec. 19.
Hosiery inspection and repair form. D. P. Dameron and F. R. Shoaf. 2,510,332, June 6.
Hosiery, Manufacture of. E. J. Siegrist. 2,513,113, June 27.
Hosiery, Manufacturing. R. E. Claussner. 2,532,008, Nov. 28.
Hosiery, Self-supporting. H. J. Vogt. 2,514,108, July 4.
Hospital signaling switch. C. Miller. 2,527,564, Oct. 31.
Hot-air discharging unit. T. Sveinson. 2,526,097, Oct. 17.
Hot-air furnace. F. H. Klug. 2,527,937, Oct. 31.
Hot-air furnace. F. L. Meyer. 2,529,406, Nov. 7.
Hot dip tinning. H. C. Rodgers. 2,533,048, Dec. 5.
Hot dog cutter. F. C. Dettman. 2,520,000, Aug. 22.
Hot line clamp. J. L. McCullough. 2,515,563, July 18.
Hot melt compositions. G. R. Sido and J. F. Murphy. 2,527,856, Oct. 31.
Hot-rolled binary zinc-titanium alloy. T. C. Wilson. 2,516,737, July 25.
Hot-water boiler. K. S. Holmes. 2,514,642, July 11.
Hot-water heater. F. D. Finley. 2,499,636, Mar. 7.
Hot-water system for railroad cars and the like. J. J. McDonald and S. D. Klyce. 2,502,973, Apr. 4.
Hot-wire clamp. H. W. Bodendieck. 2,509,082–3, May 23.
House, Animal. H. S. Shannon. 2,530,485, Nov. 21.
House, Collapsible portable. C. H. Wiley. 2,494,680, Jan. 17.

House construction, Log. R. Jonsrud. 2,498,551, Feb. 21.
House planning means. W. Tunstall. 2,522,149, Sept. 12.
House, Portable. C. W. Kinsman. 2,527,012, Oct. 24.
Household device, Vertically adjustable general utility. V. J. Wilson. 2,505,317, Apr. 25.
Household mixer. E. M. Brown and F. V. Forss. 2,525,338, Oct. 10.
Household screen. C. D. Keely. 2,525,683, Oct. 10.
Housing and locking means therefor. H. O. Grimmeisen. 2,528,691, Nov. 7.
Housing and mounting for capacitors. T. C. Aitchison and J. K. Easley. 2,522,980, Sept. 19.
Housing, Capacitor. W. J. Steen. 2,498,053, Feb. 21.
Housing for drive gearing in a dual wheel assembly. C. S. Ash. 2,512,050, June 20.
Housing for electroacoustical apparatus. H. C. Hayes. 2,527,217, Oct. 24.
Housing for portable motor driven tools. G. G. Bluemink and R. A. Beach. 2,513,271, July 4.
Housing for space heaters and sound translators. D. Sandler. 2,521,654, Sept. 5.
Housing for telephones with an ultraviolet lamp, Sterilizing. J. Sullivan. 2,495,034, Jan. 17.
Housing for washers having a horizontal cylinder. A. F. Widigen. 2,500,108, Mar. 7.
Housing, Gearing. E. O. H. Hansson. 2,502,564, Apr. 4.
Housing, Lamp. D. Canady. 2,518,282, Aug. 8.
Housing, Lighting fixture. J. E. Baxter. 2,511,764, June 13.
Housing, Plug-in magnetic switch. A. C. Keller. 2,534,354, Dec. 19.
Housing, Pump. R. P. McCulloch and A. Gudmundsen. 2,505,197, Apr. 25.
Housing, Relay. G. O. Hagenbach. 2,498,807, Feb. 28.
Housing, Roller bearing. R. H. Gaver. 2,497,403, Feb. 14.
Housing unit, Mobile. J. H. Hammond, Jr. 2,499,498, Mar. 7.
Hub assembly for wheels, gears, pulleys, and the like. T. O. Huus. 2,514,242, July 4.
Hubcap. M. Simcich. 2,493,366, Jan. 3.
Hubcap, Illuminated. J. Franklin. 2,526,548, Oct. 17.
Hub cap puller. E. W. Wagner. 2,500,221, Mar. 14.
Hub construction for variable pitch propellers or the like. R. E. B. Sharp. 2,514,097, July 4.
Hub, Flanged. V. E. Sprouse. 2,497,242, Feb. 14.
Hub for bicycles, Freewheel. G. E. Olsson. 2,497,368, Feb. 14.
Hub mounting for propellers on roadable airplanes. R. E. Fulton, Jr., and O. J. Alvarez. 2,509,096, May 23.
Hull, Boat. M. A. Hall. 2,515,162, July 11.
Hull construction, Metal boat. M. A. Hall. 2,515,161, July 11.
Hull construction, Ship. G. Meier. 2,520,645, Aug. 29.
Hull construction, Ship's. E. H. Cooley. 2,513,004, June 27.
Hull form for speedboats. J. Napoli. 2,530,718, Nov. 21.
Huller having stationary knives, Legume. F. A. Black. 2,500,483, Mar. 14.
Huller, Pea. D. J. Watson. 2,528,402, Oct. 31.
Hulling machine, Grain. J. Konůpek and J. Hrdlička. 2,499,590, Mar. 7.
Humidifier. G. S Morris. 2,508,530, May 23.
Humidifier. W. J. Woolley. 2,535,772, Dec. 26.
Humidifier and filter, Air. H. S. Mulhollen. 2,530,535, Nov. 21.
Humidifier and top oiler for internal-combustion engines. D. E. Bardshar. 2,526,530, Oct. 17.
Humidifier, Cigarette. G. Otallah. 2,534,829, Dec. 19.
Humidifier, Vaporizer. J. R. Messina, Jr. 2,515,310, July 18.
Humidifying system for internal-combustion engines. J. A. Dunham. 2,533,438, Dec. 12.
Humidistat, Electrolytic. S. W. Gillingham. 2,510,018, May 30.
Humidity control. E. B. Janvrin. 2,528,368, Oct. 31.
Humidity test cabinet. F. J. Kolar, Jr. 2,521,921, Sept. 12.
Humidor. S. M. Sager. 2,530,340, Nov. 14.
Humidor for cigar and tobacco cases. J. P. Mohen. 2,522,581 Sept. 19.
Humidor, Tobacco. B. Bayuk. 2,506,191, May 2.
Hunting blind. I. L. Anderson and A. B. Hansen. 2,511,452, June 13.
Husking and cleaning machine. C. H. Marnach and N. G. Schatz. 2,529,620, Nov. 14.
Husking machine, Corn. R. Cover. 2,535,485, Dec. 26.
Hutch, Animal. R. R. Krueger. 2,524,229, Oct. 3.
Hybrid channel-branching microwave filter. W. D. Lewis. 2,531,447, Nov. 28.
Hybrid circuit. T. S. Wang. 2,511,948, June 20.
Hydantoin formaldehyde resins, Production of. A. F. Chadwick. 2,532,278, Dec. 5.
Hydantoins and obtaining the same, Substituted. H. R. Henze. 2,526,232, Oct. 17.
Hydrant, Fire. J. H. P. Grönberg. 2,515,770, July 18.
Hydrant, Pedestal-type. A. O. Payne. 2,513,104, June 27.
Hydration of ethers. R. B. Mason. 2,519,061, Aug. 15.
Hydration of olefins, Catalytic. R. F. Deory. 2,496,621, Feb. 7.
Hydration of olefins to produce ketones, Catalytic. W. F. Engel. 2,523,686, Sept. 26.
Hydraulic and emergency mechanical remote control, Combined. R. L. Levy. 2,503,498, Apr. 11.
Hydraulic apparatus. C. E. Adams. 2,502,546, Apr. 4.
Hydraulic apparatus. C. E. Adams and W. D. Peters. 2,502,547, Apr. 4.
Hydraulic apparatus. C. E. Adams and W. E. Renick. 2,503,985, Apr. 11.
Hydraulic apparatus. W. C. Denison, Jr. 2,516,301, July 25.
Hydraulic apparatus. J. K. Williams. 2,517,518, Aug. 1.
Hydraulic apparatus embodying a plurality of selectively controlled cylinders. M. F. Gunning and R. C. Russell. 2,518,613, Aug. 15.
Hydraulic apparatus for pulsating the diaphragms of pulp mill screens. F. Dustan. 2,524,964, Oct. 10.
Hydraulic apparatus, particularly for vehicle stabilizing equipment. L. B. Lynn and S. J. Mikina. 2,520,944, Sept. 5.
Hydraulic artificial arm. V. O. Wilkerson and J. A. Mazzola. 2,528,464, Oct. 31.
Hydraulic-barker nozzle-assembly producing composite oscillatory movement of discharging jet. F. H. Swift. 2,502,763, Apr. 4.
Hydraulic brake check valve. J. Lichtman. 2,534,871, Dec. 19.
Hydraulic brake level indicator. D. Sebastian, R. H. Hampton, and B. J. Heggen. 2,534,381, Dec. 19.
Hydraulic brake valve. S. E. Westman. 2,511,488, June 13.
Hydraulic bumper jack. J. C. Schwantner. 2,535,759, Dec. 26.
Hydraulic clutch. T. Hindmarch. 2,510,225, June 6.
Hydraulic clutch. E. P. Lalonde. 2,524,389, Oct. 3.
Hydraulic compensating mechanism. H. E. Voorhies. 2,526,593, Oct. 17.
Hydraulic control apparatus. J. A. Zinn, Jr. and O. Wennberg. 2,533,705, Dec. 12.
Hydraulic control for drilling apparatus. R. R. Hays. 2,521,976, Sept. 12.
Hydraulic control for mechanisms. W. T. Blake. 2,535,778, Dec. 26.
Hydraulic control mechanism. J. Mercier. 2,526,252, Oct. 17.
Hydraulic control mechanism. E. A. Puerner. 2,527,331, Oct. 24.
Hydraulic control system. E. C. Oakes. 2,526,039, Oct. 17.
Hydraulic control system responsive to pressure and flow rate. M. W. Huber. 2,512,799, June 27.
Hydraulic control valve. B. F. Arps. 2,506,008, May 2.
Hydraulic control valve. P. J. Harinck. 2,523,532, Sept. 26.
Hydraulic control valve. J. J. Slomer. 2,532,343, Dec. 5.
Hydraulic control valve. H. J. Stacey and H. H. Schmiel. 2,509,257, May 30.
Hydraulic controlled apparatus for applying power with travel control. E. A. Rockwell. 2,525,426, Oct. 10.
Hydraulic coupling. J. I. Detweiler. 2,497,441, Feb. 14.
Hydraulic coupling. E. L. Parr. 2,523,716, Sept. 26.
Hydraulic coupling. R. M. Power. 2,514,717, July 11.
Hydraulic damping mechanism. H. W. Davis and W. A. Johns. 2,533,226, Dec. 12
Hydraulic feed and control mechanism. W. F. Groene, H. J. Siekmann, and W. R. Meyer. 2,525,127, Oct. 10.
Hydraulic feed system. A. A. Ericson. 2,526,646, Oct. 24.
Hydraulic fluid, Nonflammable. G. H. Denison, Jr., N. W. Furby, and R. O. Bolt. 2,528,347–8, Oct. 31.
Hydraulic fluid, Nonflammable. F. J. Watson and R. C. Morris. 2,509,620, May 30.
Hydraulic follow-up system. W. H. Newell. 2,533,306, Dec. 12.
Hydraulic jack. E. H. Fenn. 2,508,240, May 16.
Hydraulic jack. E. C. Juergens. 2,505,187, Apr. 25.
Hydraulic jack. D. C. Kemerer. 2,527,428, Oct. 24.
Hydraulic jack. A. A. Miller. 2,503,347, Apr. 11.
Hydraulic jack. J. J. Mueller. 2,497,788, Feb. 14.
Hydraulic jack. J. J. Mueller. 2,498,698, Feb. 28.
Hydraulic jack. J. J. Mueller. 2,520,426, Aug. 29.
Hydraulic jack. J. J. Mueller. 2,527,841, Oct. 31.
Hydraulic jack pump. F. M. Siedenburg. 2,514,343, July 4.
Hydraulic lifting jack. F. Curtis. 2,503,659, Apr. 11.
Hydraulic lifting jack. J. N. McLean. 2,526,148, Oct. 17.
Hydraulic lock. A. R. Patrick. 2,501,139, Mar. 21.
Hydraulic machine tool. R. E. Herrstrum. 2,512,019, June 20.
Hydraulic mechanism. F. T. Court. 2,515,395, July 18.
Hydraulic mechanism. E. F. Jirsa and C. W. Bopp. 2,533,466, Dec. 12.
Hydraulic mechanism. M. A. Mathys. 2,531,340, Nov. 21.
Hydraulic motor operated clutch. E. A. Rockwell. 2,501,005, Mar. 21.
Hydraulic mower. H. L. Gooch. 2,523,014, Sept. 19.
Hydraulic planetary transmission. L. L. Chiville, Jr. 2,534,104, Dec. 12.
Hydraulic press. F. B. Fishburne. 2,512,246, June 20.
Hydraulic press. R. J. Hess and F. G. Cizek. 2,497,044, Feb. 7.
Hydraulic press intensifier attachment. C. E. Adams. 2,516,170, July 25.
Hydraulic pump. E. Eynard. 2,503,614, Apr. 11.

Hydraulic pump. W. P. Ferris and N. J. Blum. 2,495,319, Jan. 24.
Hydraulic pump. J. P. Johnson. 2,501,947, Mar. 28.
Hydraulic pump and circuit. J. P. Golden. 2,522,783, Sept. 19.
Hydraulic pump unloading valve. L. F. Fraser. 2,513,304, July 4.
Hydraulic ram mechanism having shielding and stop means. V. E. Geren. 2,512,150, June 20.
Hydraulic ram, Two-speed. B. F. Arps. 2,517,164, Aug. 1.
Hydraulic ratchet wrench. W. V. Ellison. 2,508,568, May 23.
Hydraulic relief valve. D. A. Stark. 2,521,264, Sept. 5.
Hydraulic resistance brake. J. W. Kennedy. 2,513,879, July 4.
Hydraulic reversing check valve. F. J. Wright. 2,493,937; Jan. 10.
Hydraulic safety device. G. L. Hildebrand. 2,497,083, Feb. 14.
Hydraulic seat. C. A. Baldwin. 2,516,172, July 25.
Hydraulic spring control means and their mounting on vehicles. G. W. Crabtree. 2,503,030, Apr. 4.
Hydraulic starting mechanism. J. C. Molyneux and C. E. Bournique. 2,498,697, Feb. 28.
Hydraulic system. R. E. Price. 2,509,368, May 30.
Hydraulic system. E. Y. Seborg. 2,515,531, July 18.
Hydraulic system. C. B. Vickers. 2,495,151, Jan. 17.
Hydraulic system and valve therefor. V. P. Donner. 2,516,508, July 25.
Hydraulic system for machine tools. R. E. Price. 2,521,668, Sept. 5.
Hydraulic system for periodic transmission of power from constant delivery fluid service. C. W. Mott. 2,517,406, Aug. 1.
Hydraulic system for plural motor operation. L. D. Tyson. 2,499,235, Feb. 28.
Hydraulic system, Temperature compensated force and motion transmitting. S. I. MacDuff. 2,520,731, Aug. 29.
Hydraulic thrust bearing. J. G. Kirkpatrick. 2,523,310, Sept. 26.
Hydraulic unit, Small. M. A. Mathys. 2,526,034, Oct. 17.
Hydraulic valve. L. A. Majneri. 2,505,195, Apr. 25.
Hydraulic valve operating mechanism. L. L. Manly. 2,522,185, Sept. 12.
Hydraulic vane type clutch. V. E. Gleasman. 2,516,461, July 25.
Hydraulic wrench. W. E. Stubbs. 2,517,941, Aug. 8.
Hydraulically-actuated apparatus for expressing liquids from floor mops. W. G. Van Voorhis and A. J. Heider. 2,535,244, Dec. 26.
Hydraulically actuated brake valve. C. Hollerith. 2,501,941, Mar. 28.
Hydraulically actuated pipe thread protector. W. C. Baker. 2,513,613, July 4.
Hydraulically operated pump. W. R. Bailey. 2,500,624, Mar. 14.
Hydraulically-shiftable-saw edge machine. L. J. Peters. 2,507,644, May 16.
Hydrazide polymers, Modified. J. W. Fisher and E. W. Wheatley. 2,512,633, June 27.
Hydrazine compositions and producing them. E. Solomon. 2,521,026, Sept. 5.
Hydrazine polymers. J. W. Fisher and E. W. Wheatley. 2,512,631, June 27.
Hydrazo esters. P. J. Flory and N. Rabjohn. 2,533,189, Dec. 5.
Hydroabietylamine, Preparing a. G. J. Benoit, Jr. 2,520,901, Sept. 5.
Hydrocarbon conversion. H. O. Holkins. 2,498,883, Feb. 28.
Hydrocarbon conversion. T. D. Pickell. 2,531,294, Nov. 21.
Hydrocarbon conversion catalyst, Preparation of a. G. M. Webb and R. W. Moehl. 2,532,525, Dec. 5.
Hydrocarbon conversion-hydrocarbon synthesis process, Combined. J. A. Guyer. 2,518,775, Aug. 15.
Hydrocarbon conversion in pebble heaters. H. A. Dutcher. 2,532,613, Dec. 5.
Hydrocarbon conversion in the presence of a steam-stable catalyst. H. A. Shabaker. 2,526,700, Oct. 24.
Hydrocarbon conversion, Method and apparatus for. E. V. Bergstrom. 2,493,219, Jan. 3.
Hydrocarbon conversion, Method and apparatus for. L. P. Evans. 2,499,304, Feb. 28.
Hydrocarbon conversion, Method and apparatus for. L. P. Evans. 2,534,859, Dec. 19.
Hydrocarbon conversion, Method and apparatus for liquid phase. J. W. Loy. 2,517,900, Aug. 8.
Hydrocarbon conversion process. L. P. Evans. 2,531,356, Nov. 21.
Hydrocarbon conversion process and catalyst therefor. W. Michael, O. Goehre, G. Free, W. v. Fuener, and W. Schneider. 2,500,197, Mar. 14.
Hydrocarbon conversion with Eccles kaolin. H. A. Shabaker. 2,504,158, Apr. 18.
Hydrocarbon conversion with hydrogen fluoride in homogeneous phase. P. L. Brandt, R. J. Lee, and J. A. Ridgway, Jr. 2,501,023, Mar. 21.
Hydrocarbon conversion with metal halide catalysts. H. H. Jones. 2,506,720, May 9.
Hydrocarbon conversion with the use of a precipitated and calcined beryllium oxide catalyst. G. A. Mills. 2,510,994, June 13.
Hydrocarbon copolymers and use thereof as lube oil additive. D. W. Young. 2,534,095, Dec. 12.
Hydrocarbon cracking process and apparatus using pebble heater with jet ejector. S. P. Robinson. 2,500,870, Mar. 14.
Hydrocarbon drying oil, Preparation of a. H. S. Bloch. 2,529,590, Nov. 14.
Hydrocarbon esters of hydrocarbonylthiolsulfinic acids and their preparation. C. J. Cavallito and L. D. Small. 2,508,745, May 23.
Hydrocarbon feed distributor for catalytic apparatus. C. S. Reed. 2,534,209, Dec. 12.
Hydrocarbon halides, Manufacture of. F. L. Padgitt and G. F. Kirby. 2,522,687, Sept. 19.
Hydrocarbon-lead compounds, Making. G. Calingaert and H. Shapiro. 2,535,193, Dec. 26.
Hydrocarbon lubricant containing sulfurized aliphatic borates as stabilizers. D. T. Rogers and J. G. McNab. 2,526,506, Oct. 17.
Hydrocarbon oil compositions, Nonfoaming. C. E. Trautman. 2,515,024, July 11.
Hydrocarbon oil lubricant containing di-tertiary-alkyl sulfides. J. F. Olin. 2,526,041, Oct. 17.
Hydrocarbon oils, Catalytic treatment of. P. L. Veltman and A. R. Goldsby. 2,501,197, Mar. 21.
Hydrocarbon oils, Manufacture of halogenated. J. D. Calfee and C. B. Miller. 2,518,122, Aug. 8.
Hydrocarbon oils, Refining. G. H. Reman. 2,493,596, Jan. 3.
Hydrocarbon-oxygen mixtures, Production of. P. H. Deming. 2,519,955, Aug. 22.
Hydrocarbon products and making same, Unsaturated. F. J. Smith. 2,535,606, Dec. 26.
Hydrocarbon products, Stabilized. J. P. McDermott. 2,529,303, Nov. 7.
Hydrocarbon separation. B. J. Mayland and E. E. White. 2,527,951, Oct. 31.
Hydrocarbon synthesis. M. T. Carpenter. 2,500,516, Mar. 14.
Hydrocarbon synthesis. R. C. Gunness. 2,533,666, Dec. 12.
Hydrocarbon synthesis. C. H. Holder. 2,530,243, Nov. 14.
Hydrocarbon synthesis. I. Kirshenbaum. 2,509,869, May 30.
Hydrocarbon synthesis. A. Voorhies. 2,533,072, Dec. 5.
Hydrocarbon synthesis and preparing the catalyst. C. E. Hemminger. 2,527,130, Oct. 24.
Hydrocarbon synthesis operation. J. C. Dart. 2,497,932, Feb. 21.
Hydrocarbon synthesis process. J. P. Bilisoly. 2,496,265, Feb. 7.
Hydrocarbon synthesis process, Fluidized. H. Z. Martin. 2,530,977, Nov. 21.
Hydrocarbon synthesis products, Processing of. C. E. Hemminger. 2,516,699, July 25.
Hydrocarbon synthesis reaction. L. B. Smith and R. W. Krebs. 2,498,845, Feb. 28.
Hydrocarbon synthesis with spherical catalyst particles. R. N. Watts. 2,530,344, Nov. 14.
Hydrocarbon treating process. H. H. Voge, G. M. Good, and B. S. Greensfelder. 2,495,648, Jan. 24.
Hydrocarbon treatment and regeneration. W. S. Bonnell. 2,494,794, Jan. 17.
Hydrocarbon vapors, Producing. E. J. Houdry. 2,520,146, Aug. 29.
Hydrocarbons by dehydrogenation of naphthenes, Production of aromatic. A. J. Johnson. 2,528,693, Nov. 7.
Hydrocarbons from unsaturated ketones, Preparation of unsaturated. S. A. Ballard, H. de V. Finch, and E. A. Peterson. 2,492,956, Jan. 3.
Hydrocarbons, Manufacture of. E. L. d'Ouville. 2,499,372 Mar. 7.
Hydrocarbons, Manufacture of halogenated. E. Gorin. 2,498,546, Feb. 21.
Hydrocarbons, Preparation of solid. A. H. Friedman. 2,500,533, Mar. 14.
Hydrocarbons, Producing. R. L. Hasche. 2,511,206, June 13.
Hydrocarbons, Treatment of. D. E. Bergen. 2,493,384, Jan. 3.
Hydrocarbons, Treatment of. J. W. Latchum, Jr. 2,493,981; Jan. 10.
Hydrocarbosilicon isocyanates. D. X. Klein. 2,532,559, Dec. 5.
Hydrochloric acid, Inhibited. H. A. Robinson. 2,499,283, Feb. 28.
Hydrochlorides of streptomycin oxime and streptomycin amine. N. G. Brink and K. Folkers. 2,532,393, Dec. 5.
Hydrocyanic acid, Producing. W. Coopey. 2,534,000, Dec. 12.
Hydrodemethanolization. W. F. Gresham. 2,504,407, Apr. 18.
Hydrodynamic coupling. A. B. Bolender. 2,494,539, Jan. 17.
Hydrodynamic coupling. A. P. Emmert. 2,493,240, Jan. 3.
Hydrodynamic machine. W. Ferris. 2,501,165, Mar. 21.
Hydrofluorene carboxylic acids, Substituted. K. Miescher and G. Anner. 2,494,254; Jan. 10.
Hydrogel catalyst, Preparation of. C. N. Kimberlin, Jr. 2,524,809–10, Oct. 10.

Hydrogen and carbon monoxide, Manufacturing. D. Eastman. 2,523,284, Sept. 26.
Hydrogen by converting carbon monoxide with steam, Producing. A. G. Carter. 2,517,177, Aug. 1.
Hydrogen-carbon monoxide mixtures, Method and apparatus for making. J. A. Phinney. 2,532,514, Dec. 5.
Hydrogen-carbon monoxide synthesis. J. A. Phinney, B. S. Page, and G. R. Ayton. 2,527,846, Oct. 31.
Hydrogen cyanide, Manufacture of. L. Fallows and E. V. Mellers. 2,529,546, Nov. 14.
Hydrogen cyanide, Production of. D. R. Merrill and W. A. Perry. 2,531,287, Nov. 21.
Hydrogen fluoride, Manufacture of. E. B. Lopker and J. E. Peirce. 2,507,605, May 16.
Hydrogen fluoride, Recovery of. P. H. Carnell. 2,498,789, Feb. 28.
Hydrogen, Manufacture of. C. J. Helmers and P. H. Johnson. 2,513,022, June 27.
Hydrogen-nitroxylene mixture suitable for production of xylidine, Preparing. S. P. Miller. 2,507,539, May 16.
Hydrogen peroxide by the partial oxidation of hydrocarbons. C. R. Harris. 2,533,581, Dec. 12.
Hydrogen, Producing. S. E. Hybinette and F. C. Cary. 2,533,937, Dec. 12.
Hydrogen production. J. H. Shapleigh. 2,524,840, Oct. 10.
Hydrogen sulfide corrosion of metals, Inhibiting. M. I. Moyer and J. M. Hersh. 2,496,354, Feb. 7.
Hydrogen thyratron. K. J. Gernreshausen. 2,518,879, Aug. 15.
Hydrogen thyratron. G. J. Reilly and W. E. Harbaugh. 2,497,911, Feb. 21.
Hydrogen thyratron. G. J. Reilly and W. E. Harbaugh. 2,528,547, Nov. 7.
Hydrogenated condensate of 10-hendecenoic acid and maleic anhydride and esters thereof. H. M. Spurlin. 2,510,915, June 6.
Hydrogenated polyalkylated phenols. A. C. Whitaker and W. W. Weinrich. 2,505,817, May 2.
Hydrogenating and deodorizing edible oils. R. H. Potts and C. E. Morris. 2,521,602, Sept. 5.
Hydrogenation and dehydrogenation, Simultaneous. F. B. Johnson. 2,502,958, Apr. 4.
Hydrogenation derivatives of dypnone, Production of. E. J. Lush. 2,504,558, Apr. 18.
Hydrogenation of alkyd resins. R. Morgan. 2,519,492, Aug. 22.
Hydrogenation of carbohydrates. L. Hartstra, L. Bakker, and H. A. van Westen. 2,518,235, Aug. 8.
Hydrogenation of carbon monoxide-monoolefin polymers. S. L. Scott. 2,495,292, Jan. 24.
Hydrogenation of certain alpha, alpha-disubstituted, beta-nitro propionic acid compounds. J. Lincoln. 2,501,825, Mar. 28.
Hydrogenation of dicyanobutene to adiponitrile. L. E. Romilly. 2,532,312, Dec. 5.
Hydrogenation of dihydromuconononitrile to adiponitrile, Gas phase. B. W. Howk and M. W. Farlow. 2,532,311, Dec. 5.
Hydrogenation of nitroxylene to produce xylidine. W. O. Teeters. 2,526,913, Oct. 24.
Hydrogenation of streptomycin. R. A. Carboni and P. P. Regna. 2,522,858, Sept. 19.
Hydrogenation of unsaturated fatty acids and fatty esters, Continuous. V. Mills, J. H. Sanders, and H. K. Hawley. 2,520,422, Aug. 29.
Hydrogenation of unsaturated glyceride oils in solvents, Partial. J. H. Sanders. 2,520,440, Aug. 29.
Hydrogenation of unsaturated glyceride oils, Partial. V. Mills, J. H. Sanders, and H. K. Hawley. 2,520,423, Aug. 29.
Hydrogenation of unsaturated oils, Continuous. V. Mills. 2,520,425, Aug. 29.
Hydrogenator, Continuous. V. Mills, J. H. Sanders, and H. K. Hawley. 2,520,424, Aug. 29.
Hydrokinetic brake. C. M. O'Leary. 2,498,572, Feb. 21.
Hydrolysis of casein. J. A. Reyniers. 2,493,777; Jan. 10.
Hydrolysis of steroid semicarbazones. R. Kapp and R. Griffith. 2,530,334, Nov. 14.
Hydrolysis of streptomycin hydrochloride. N. G. Brink and K. Folkers. 2,520,197, Aug. 29.
Hydrolysis of 2,5-dihydrofurans to produce unsaturated dicarbonyl compounds. D. G. Jones. 2,515,304, July 18.
Hydrolysis of vinyl ethers. C. McKinley. 2,533,172, Dec. 5.
Hydrolyzing cellulosic materials. O. V. A. Ant-Wuorinen. 2,516,833, Aug. 1.
Hydromassage device. C. A. Jobe. 2,529,255, Nov. 7.
Hydrophenanthrene carboxylic acids and derivatives thereof and making same. K. Miescher and G. Anner. 2,493,773; Jan. 10.
Hydrophenanthrene compounds and making same. K. Miescher and J. Heer. 2,494,253; Jan. 10.
Hydrophenanthrene derivatives and the manufacture of same. O. Schnider and A. Grüssner. 2,524,855, Oct. 10.
Hydrophone. A. Thuras. 2,521,136, Sept. 5.
Hydrophyllic colloids, Plasticized. H. A. Molteni. 2,530,439, Nov. 21.
Hydropneumatic motor. C. A. Bergmann. 2,512,763, June 27.
Hydroquinone, Preparation of. M. Hannion and I. Scriabine. 2,495,521, Jan. 24.
Hydroscope and camera combination. M. F. Berglund. 2,496,450, Feb. 7.
Hydrostatic siphon circulation control for thermosiphon heat transfer systems. M. E. Fiene. 2,512,318, June 20.
Hydroxyalkylaminoalkyl phenothiazine derivatives and the production thereof. J. W. Cusic. 2,512,520, June 20.
Hydroxy alkyl xanthines and the production thereof. V. Papesch. 2,517,410, Aug. 1.
Hydroxybenzamides of the thiazole series and their manufacture, Halogenated. R. Morf. 2,502,528, Apr. 4.
Hydroxybenzenesulfonamidoheterocycles and preparation of same. M. E. Hultquist and Y. SubbaRow. 2,524,800, Oct. 10.
Hydroxybenzenesulfonamidoimidazoles and preparation of the same. M. E. Hultquist and Y. SubbaRow. 2,524,799, Oct. 10.
Hydroxybenzenesulfonamidoisoxazoles and preparation of same. M. E. Hultquist and Y. SubbaRow. 2,525,321, Oct. 10.
Hydroxybenzenesulfonamido-oxadiazoles and preparation of same. M. E. Hultquist and Y. SubbaRow. 2,524,801, Oct. 10.
Hydroxybenzenesulfonamidopyridazines and preparation of same. M. E. Hultquist and Y. SubbaRow. 2,524,802, Oct. 10.
Hydroxy benzene sulfonamido thiadiazoles and preparation of same. M. E. Hultquist and Y. SubbaRow. 2,525,320, Oct. 10.
Hydroxybenzenesulfonamidotriazines and preparation of same. M. E. Hultquist and Y. SubbaRow. 2,535,636, Dec. 26.
Hydroxy ester anhydride copolymer. H. F. Minter. 2,530,983, Nov. 21.
Hydroxy ethers and production thereof. H. Sokol. 2,527,970, Oct. 31.
Hydroxy ethyl mercapto thiazoles, Preparing. P. M. Downey. 2,513,922, July 4.
Hydroxymethyl siloxanes. J. L. Speier, Jr. 2,527,591, Oct. 31.
Hydroxymethylthianaphthene. F. F. Blicke. 2,533,086, Dec. 5.
Hydroxy polyesters. E. M. Filachione, M. L. Fein, and C. H. Fisher. 2,534,255, Dec. 19.
Hydroxypyridines and preparing the same. D. H. Hoffman. 2,497,732, Feb. 14.
Hydroxyquinoline and boric acid fungistatic composition. F. D. Snell and S. S. Epstein. 2,524,738, Oct. 3.
Hydroxysulfonamidothiazoles and preparation of the same. Y. SubbaRow and M. E. Hultquist. 2,525,319, Oct. 10.
Hydroxytoluenes, Production of. R. J. Miller. 2,523,707, Sept. 26.
Hydroxyl-containing polymers. R. M. Joyce, Jr. 2,518,440, Aug. 15.
Hydroxylated alpha, beta-diphenyl-beta-hydroxy-ethylamines and the preparation thereof. W. D. McPhee. 2,505,645, Apr. 25.
Hydroxylation of ethylenically unsaturated compounds. W. A. Raczynski. 2,510,905, June 6.
Hydroxylation of olefinic compounds, Catalytic. I. Bergsteinsson, T. W. Evans, and J. R. Scheibli. 2,500,599, Mar. 14.
Hygrometer. A. H. Lamb. 2,512,234, June 20.
Hygrometer. W. E. Talbott. 2,497,378, Feb. 14.
Hygrometer, Dew point. F. A. Friswold and R. D. Lewis, Re. 23,287, Oct. 24.
Hygrostat, Wood element. S. J. Johnson. 2,503,273, Apr. 11.
Hypochlorite solutions, Producing stable. W. R. Bruce. 2,506,630, May 9.
Hypodermic unit and making same. W. Erhard. 2,494,290; Jan. 10.
Hypodermic units, Producing. J. D. Hulsmann. 2,504,127, Apr. 18.
Hypophosphorous acid compounds as stabilizers for hydroxyl group containing polymers. H. W. Gray and G. H. Latham. 2,516,980, Aug. 1.
I-beam cathode. P. Haas and A. L. Wilson. 2,500,988, Mar. 21.
I-Cholesterylmalonic acid and derivatives thereof. E. Kaiser and J. Svarz. 2,520,726, Aug. 29.
Ice and apparatus therefor, Making. W. G. Ribeiro. 2,506,614, May 9.
Ice, Azochloramid. T. Galvin. 2,521,358, Sept. 5.
Ice bank control structure. J. P. Linfor. 2,512,066, June 20.
Iceboat or other runnered vehicle. L. M. J. Foulke. 2,493,959; Jan. 10.
Ice composition for packing and shipment of fruits and vegetables, Solid water. J. N. Sharma. 2,509,579, May 30.
Ice cream. C. F. Koerver. 2,500,315, Mar. 14.
Ice cream and stabilizer therefor. S. J. Werbin. 2,502,397, Mar. 28.
Ice-cream cone dispenser. H. S. Martin. 2,524,673, Oct. 3.
Ice-cream cone extension. A. L. Habler. 2,527,993, Oct. 31.
Ice-cream sandwiches and to ice-cream sandwiches and wrappers therefor, Making. L. D. Overland. 2,521,403, Sept. 5.

Ice cream softener. M. C. Luterick. 2,516,895, Aug. 1.
Ice creeper. F. D. Stalford. 2,531,707, Nov. 28.
Ice-crushing machine. G. C. Prouty. 2,526,272, Oct. 17.
Ice cube breaker. A. F. Jackson. 2,500,828, Mar. 14.
Ice handling machine. E. E. Fowler. 2,508,507, May 23.
Ice machine. R. D. Van Vleck. 2,522,651, Sept. 19.
Ice machine, Tube. A. P. Fulkerson. 2,496,155, Jan. 31.
Ice, Making. F. J. Bobby. 2,498,645, Feb. 28.
Ice making. M. G. Leeson. 2,524,815, Oct. 10.
Ice-making apparatus. C. Field. 2,522,506–7, Sept. 19.
Ice-making machine. R. M. Henderson. 2,496,210, Jan. 31.
Ice making machine, Flake. F. A. Rigby. Re. 23,247, July 11.
Ice, Making raw water. A. C. Embshoff. 2,528,875, Nov. 7.
Ice plant, Self-contained portable. E. E. Shontz. 2,528,795, Nov. 7.
Ice remover, Windshield. A. L. McDowell. 2,510,594, June 6.
Ice-scoring machine. E. L. and A. J. Thibodeaux. 2,514,912, July 11.
Ice shaving machine. E. C. Hansen. 2,515,923, July 18.
Ice upending machine. D. P. Norris. 2,520,253, Aug. 29.
Icer for bakery products. N. W. Walker. 2,531,093, Nov. 21.
Icer, Portable. C. Michaelis and K. Preuss. 2,535,860, Dec. 26.
Icing applying machine. V. E. Ackles. 2,525,164, Oct. 10.
Icing indicator. J. Idrac. 2,494,877, Jan. 17.
Icing machine. L. Stiles. 2,522,847, Sept. 19.
Icing mechanism. C. J. Hornkohl and F. H. Leslie. 2,501,175, Mar. 21.
Identification card and mechanism. D. O. Glover. 2,497,405, Feb. 14.
Identification device. K. K. Krogh. 2,500,612, Mar. 14.
Identification device, Key. H. F. Longnecker. 2,507,794, May 16.
Identification for automatic telephone systems, Calling party. G. Deakin. 2,524,773, Oct. 10.
Identification marker, Bowling ball. F. W. Berry. 2,519,876, Aug. 22.
Identification plate or the like, Printing. W. H. Wolowitz. 2,520,077, Aug. 22.
Identification system, Calling-line. R. E. Hersey. 2,508,026, May 16.
Igniter J. P Catlin. 2,508,444, May 23.
Igniter tor gaseous fuel, Electric. S. J. Lakota and T. E. Rudiselle. 2,530,827, Nov. 21.
Igniter for oil burners, Adjustable. J. A. Wilson. 2,522,552, Sept. 19.
Igniter for vaporizing oil burners of the open receptacle type. H. C. Long. 2,520,159, Aug. 29.
Igniter, Mechanical. H. Koesten. 2,531,056, Nov. 21.
Igniter, Torch. S. Bachrach. 2,496,257, Feb. 7.
Ignitible composition. F. Ringer. 2,496,815, Feb. 7.
Igniting device for gaseous fuel burners, Flash tube. C. K. Strobel. 2,512,393, June 20.
Igniting device for gasoline lanterns. M. F. Knoy and C. P. Johnson. 2,515,518, July 18.
Igniting device, Match. H. B. Bell. 2,510,854, June 6.
Igniting mechanism. O. C. Waggoner. 2,499,547, Mar. 7.
Igniting system. W. A. Ray. 2,513,051, June 27.
Ignition and control system for fuel burners. C. K. Strobel. 2,510,265, June 6.
Ignition and generator control apparatus, Electronic. W. F. Fagen, C. W. Klug, and A. C. Allen. 2,494,749, Jan. 17.
Ignition and starter switch and lock, Combined. W. A. Heidman, Jr. 2,519,758, Aug. 22.
Ignition apparatus. R. M. Purdy and H. Winkler. 2,525,180, Oct. 10.
Ignition apparatus. T. Tognola and W. C. Smith. 2,506,560, May 2.
Ignition apparatus, Electrical. W. B. Smits. 2,506,472, May 2.
Ignition apparatus for combustion chambers using intermingled combustion liquids. R. H. Goddard. 2,498,263, Feb. 21.
Ignition breaker contact device. R. E. Phelon. 2,519,976, Aug. 22.
Ignition circuit. R. J. Miller. 2,531,638, Nov. 28.
Ignition composition. W. F. Filbert. 2,511,669, June 13.
Ignition contact point, Automotive. C. E. McCormick. 2,518,560, Aug. 15.
Ignition control system. R. Steensma. 2,496,502, Feb. 7.
Ignition device for lighters and like apparatus. M. Quercia and G. Ferdinand. 2,502,533, Apr. 4.
Ignition harness. J. R. Frei. 2,522,169, Sept. 12.
Ignition harness assembly. J. T. Osterman and A. O. Ericksberg. 2,503,406, Apr. 11.
Ignition plug. T. R. Arden. 2,500,395, Mar. 14.
Ignition system. H. A. Brinson. 2,527,211, Oct. 24.
Ignition system. T. P. Giblin. 2,506,664, May 9.
Ignition system. G. L. Lang. 2,497,307, Feb. 14.
Ignition system. J. V. McNulty. 2,519,776, Aug. 22.
Ignition system. M. A. Rudd. 2,501,410, Mar. 21.
Ignition system. W. J. Spengler. 2,498,305, Feb. 21.
Ignition system analyzer. H. D. Currier. 2,508,498, May 23.
Ignition system for gas or liquid fuel appliances. B. L. Matthews and E. J. Zarybnicky. 2,493,889–90; Jan. 10.
Ignition system for internal-combustion engines. W. Luttmer. 2,498,860, Feb. 28.
Ignition system, High energy. F. J. Hooven. 2,515,370, July 18.
Ignition timing control means for internal-combustion engines. M. Mallory. 2,503,753, Apr. 11.
Ignition timing switch. H. F. Clayton. 2,522,478, Sept. 12.
Ignitor firing circuit. P. M. La Hue. 2,495,171, Jan. 17.
Illuminated device, Ornamental. W. J. Morrison. 2,493,991; Jan. 10.
Illuminated electromagnetic valve keeper tool. J. D. Carr. 2,515,292, July 18.
Illuminated football down signal. P. M. Rickabaugh. 2,517,239, Aug. 1.
Illuminated globe mounting. R. R. Dupler. 2,515,400, July 18.
Illuminated hand held motor tool. M. Johnson. 2,517,882, Aug. 8.
Illuminated license plate holder. T. Crocella. 2,526,460, Oct. 17.
Illuminated record holder. V. M. Sorrells. 2,506,113, May 2.
Illuminated sign. C. W. Charlton. 2,513,146, June 27.
Illuminated sign. A. S. Hoffman. 2,520,243, Aug. 29.
Illuminated sign. W. E. Jary. 2,501,523, Mar. 21.
Illuminated toggle switch. E. W. Sherrard. 2,512,975, June 27.
Illuminating and ventilating apparatus. L. R. Phillips. 2,526,828, Oct. 24.
Illuminating apparatus. L. Finkelstein. 2,508,242, May 16.
Illuminating device. L. R. Paul. 2,493,829; Jan. 10.
Illuminating device. H. W. Trost. 2,515,844, July 18.
Illuminating device for uniformly and diffusely illuminating a background. R. F. E. Stegeman. 2,530,133, Nov. 14.
Illuminating flare. C. D., A. J. and C. Schermuly. 2,530,084, Nov. 14.
Illuminating means for camera range determining devices. H. L. Mills. 2,505,983, May 2.
Illuminating unit for reclining vehicle seat backs. H. A. Flogaus. 2,514,322, July 4.
Illumination control mounting means for photographic printing apparatus. K. B. Austin. 2,514,595, July 11.
Illumination device, Optical instrument. C. W. Wallhausen. 2,527,043, Oct. 24.
Illumination system for projectors. F. J. Perillo. 2,506,169, May 2.
Illuminator, Keyhole. D. H. Swanson. 2,529,234, Nov. 7.
Illusion device. A. Goldfarb. 2,527,094, Oct. 24.
Image and color display device, Changeable. F. Burchell. 2,535,781, Dec. 26.
Image projection and cabinet body means. G. M. Daly. 2,497,931, Feb. 21.
Image projector for opaque and transparent materials with forced air ventilation systems. D. D. Lowber and A. J. Kavanagh. 2,520,011, Aug. 22.
Image retaining system. O. Kornei. 2,521,635, Sept. 5.
Image sensitive tube. D. H. Andrews. 2,522,153, Sept. 12.
Image system with conveyer having parallel lines for development of control signals. D. Kleis, M. van Tol, L. R. Bourgonjon, and F. C. W. Sloof. 2,512,547, June 20.
Image transmission. J. P. Smith. 2,531,831, Nov. 28.
Image tube. L. E. Flory, J. E. Ruedy, and G. A. Morton. 2,506,018, May 2.
Imidazolidones, Preparation of. A. L. Wilson. 2,517,750, Aug. 8.
Imidazolidones, Preparing. B. Abramovitch. 2,518,264, Aug. 8.
Imidazolines, The preparation of. H. Isler. 2,505,247, Apr. 25.
Imidazolines, The preparation of. H. Isler, H. Schellenberg, and E. Urech. 2,505,248, Apr. 25.
Imidazolium compounds. H. A. Shonle and E. R. Shepard. 2,493,318, Jan. 3.
Imidazolinium compounds. H. A. Shonle and E. R. Shepard. 2,493,322, Jan. 3.
Imidazolium compounds, Substituted. H. A. Shonle and E. R. Shepard. 2,493,319, Jan. 3.
Imines, Preparing unsaturated. V. E. Haury. 2,498,419, Feb. 21.
Iminoester resins. W. D. Niederhauser and H. A. Bruson. 2,497,955, Feb. 21.
Imitation astrakhan furs, Manufacture of. J. Finkelsteinas. 2,501,268, Mar. 21.
Imitation overshot water wheel. F. S. McCune. 2,503,832, Apr. 11.
Immersion electric heater. E. M. Justiz. 2,533,469, Dec. 12.
Immersion-type heater. G. Grinde. 2,508,512, May 23.
Immersion unit for radiation pyrometers. H. G. Mead. 2,493,078, Jan. 3.
Immobilizing livestock prior to slaughtering. L. W. Murphy. 2,526,037, Oct. 17.
Immobilizing mechanism for clutch pedals. G. O. Ainsworth. 2,518,439, July 4.

Impact and acceleration testing. G. R. Sears, R. D. Rae, and J. A. Van den Akker. 2,498,844, Feb. 28.
Impact nut runner. G. C. Wilhide, J. N. Baker, and F. L. Holford. 2,533,703, Dec. 12.
Impact wrench. C. E. Fitch. 2,508,997, May 23.
Impact wrench. P. Van Sittert. 2,514,914, July 11.
Imparting crease resistance to cotton fabrics. W. R. MacIntyre. 2,504,857, Apr. 18.
Imparting durable mildew resistance to fibrous cellulose materials. F. M. Ford and W. P. Hall. 2,524,783, Oct. 10.
Imparting shrink resistance to wool. H. F. Clapham and A. L. Smith. 2,499,987, Mar. 7.
Impedance bridge, rebalancing, telemetric system. J. F. Gaumer and F. M. Poole. 2,503,868, Apr. 11.
Impedance-matching device. G. F. Barnett. 2,516,944, Aug. 1.
Impedance matching device for wave guides for antenna systems. R. M. Robertson. 2,521,873, Sept. 12.
Impedance matching in wave guides. A. G. Fox. 2,503,549, Apr. 11.
Impedance matching system. P. H. Smith. 2,496,643, Feb. 7.
Impedance-transforming arrangement. D. F. Bowman. 2,526,846, Oct. 24.
Impeller for dishwashing machines. H. G. Davis. 2,529,650, Nov. 14.
Impellers blower, Helical interengaging. S. Oldberg. 2,530,173, Nov. 14.
Implement, Agricultural. G. A. Finley. 2,504,403, Apr. 18.
Implement, Agricultural. J. Morkoski. 2,518,360, Aug. 8.
Implement, Agricultural. M. H. Tuft. 2,499,615, Mar. 7.
Implement, Animal catching and holding. W. J. Nankeman. 2,522,533, Sept. 19.
Implement attaching mechanism, Tractor carried. M. V. Dillingham. 2,495,057, Jan. 17.
Implement, Ball point writing. I. Chesler. 2,504,649, Apr. 18.
Implement, Bath. J. D. Chiale. 2,514,934, July 11.
Implement, Button sewing. R. Folsom. 2,513,633, July 4.
Implement, Can opening and sealing. A. Mull. 2,503,125, Apr. 4.
Implement carrying apparatus. R. L. Niles. 2,500,700, Mar. 14.
Implement, Check forming. H. B. Moore. 2,512,363, June 20.
Implement, Cleaning. L. Seewald. 2,531,304, Nov. 21.
Implement coupling. P. Henriod. 2,534,971, Dec. 19.
Implement, Culinary. R. C. F. Brainard. 2,493,854; Jan. 10.
Implement, Culinary. C. F. Roberts. 2,526,275, Oct. 17.
Implement, Cutting. C. F. Degner. 2,528,300, Oct. 31.
Implement, Cutting. J. Luzzi. 2,527,018, Oct. 24.
Implement, Cutting. H. A. McDaniel. 2,513,663, July 4.
Implement, Dental. B. M. Medof. 2,522,794, Sept. 19.
Implement, Detachable tractor mounted. C. W. Walz and R. D. Griff. 2,533,542, Dec. 12.
Implement, Earth leveling. A. G. Gurries and J. A. White, Jr. 2,526,130, Oct. 17.
Implement, Earthworking. C. P. Renaud. 2,514,091, July 4.
Implement, Earthworking and treating. H. E. Schindler. 2,515,317, July 18.
Implement, Fastener applying. S. Rakusin. 2,506,038, May 2.
Implement, Fish holding. J. J. Pilliod. 2,531,987, Nov. 28.
Implement for applying coatings. R. S. Eisner. 2,493,480, Jan. 3.
Implement for handling printing forms. H. J. Ulmer 2,499,841, Mar. 7.
Implement for severing corn kernels from cobs. G. J. Martin. 2,493,588, Jan. 3.
Implement for tying knots. G. H. Holland. 2,498,920, Feb. 28.
Implement, Fruit-coring. R. Kudd. 2,493,979; Jan. 10.
Implement, Grass cutting. C. A. Hubner. 2,520,464, Aug. 29.
Implement, Manicuring. L. Haber. 2,512,100, June 20.
Implement, Nut-cracking. B. A. Williamson. 2,506,822, May 9.
Implement or toolholder. P. H. Unsinger. 2,507,872, May 16.
Implement pickup. G. A. Rankin, Jr. 2,507,612. May 16.
Implement, Pickup. E. Schulthess. 2,500,647, Mar. 14.
Implement, Planting. J. J. Rose. 2,531,297, Nov. 21.
Implement, Projectable and retractable writing. S. A. Marples. 2,529,037, Nov. 7.
Implement, Pruning. O. R. Rowe and W. J. Stolp. 2,533,962, Dec. 12.
Implement, Punch aligning. J. E. Penrod. 2,498,114, Feb. 21.
Implement retainer, Working. E. G. Gartin. 2,512,149, June 20.
Implement, Rotatable hair-treating. N. G. Finkelstein. 2,507,373, May 9.
Implement, Rotary soil-working. H. J. Seaman. 2,515,268, July 18.
Implement, Row crop blocking. E. F. Blackwelder, H. V. Léa, and J. A. Fleig. 2,510,458, June 6.
Implement, Rug making. S. C. Olsson. 2,523,445, Sept. 26.
Implement, Self-closing clamping. W. J. Schuessler and L. L. Morgan. 2,514,802, July 11.
Implement, Shock forming. E. L. Atkinson. 2,500,976, Mar. 21.
Implement, Skin beautifying. C. W. Manzel. 2,515,524, July 18.
Implement, Soldering. A. H. L. Wong. 2,528,405, Oct. 31.
Implement towing hitch. V. F. Walters. 2,528,461, Oct. 31.
Implement, Tractor. J. R. Orelind. 2,524,205, Oct. 3.
Implement, Tractor mounted. S. J. Wright. 2,518,215, Aug. 8.
Implement with concentric helical cutters, Tilling. R. B. Iseman. 2,514,395, July 11.
Implement with tiltable bucket, Back hoe excavating. H. C. Burner and G. E. Nigh. 2,496,696, Feb. 7.
Implement, writing. A. Weber. 2,505,267, Apr. 25.
Implements for infants, Training. C. P. Krieger, Jr. 2,505,122, Apr. 25.
Impregnating a dialdehyde tanned hide with a resin of urea, formaldehyde, and a primary amine. A. H. Winheim and E. E. Doherty. 2,516,284, July 25.
Impregnating activated carbon. J. C. Morrell, G. T. Tobiasson, and J. F. Wright. 2,511,290, June 13.
Impregnating carbon brushes. L. E. Moberly. 2,512,362, June 20.
Impregnating carbon brushes. L. E. Moberly. 2,530,984, Nov. 21.
Impregnating thick textile fabrics with gum. J. Colmant. 2,495,808, Jan. 31.
Impregnating wood with sodium thiosulfate. W. A. Knapp. 2,503,443, Apr. 11.
Impregnating wood with sodium thiosulfate. R. G. Ramsey. 2,532,193, Nov. 28.
Impression materials. F. A. Slack, Jr. 2,516,155, July 25.
Impressions of objects, Making. W. J. Mead. 2,499,324, Feb. 28.
Imprinting machine. G. A. Pond. 2,527,030, Oct. 24.
Improving filament life. C. W. Hansell. 2,496,717, Feb. 7.
Improving kaolin and products thereof. S. C. Lyons. 2,524,816, Oct. 10.
Improving lubricating oils by treating with hydrofluoric acid and silver fluoride. P. H. Carnell. 2,531,723, Nov. 28.
Improving signal to noise ratio of selected pulse signals. D. D. Grieg. 2,502,454, Apr. 4.
Improving the durability of glass containers. E. Seddon. 2,528,391, Oct. 31.
Improving the flavor of certain wines. R. H. Gause. 2,500,171, Mar. 14.
Improving the properties of natural resins and the products obtained thereby. E. D. Lee and R. J. Schefbauer, Jr. 2,531,776, Nov. 28.
Improving the response of radio-sensitive salts, Method and apparatus for. C. Chilowsky. 2,508,098, May 16.
Improving the strength of artificial insolubilized protein filaments. D. Traill and G. K. Simpson. 2,535,103, Dec. 26.
Impulse coupling. W. D. Crocker. 2,508,497, May 23.
Impulse coupling. E. A. Vogel and H. R. Lindbeck. 2,529,891, Nov. 14.
Impulse coupling. A. F. Wagner. 2,497,642, Feb. 14.
Impulse emitting device. B. H. Rule. 2,520,814. Aug. 29.
Impulse selector. P. Gloess. 2,522,609, Sept. 19.
Impulse stimulating apparatus. J. A. Fizzell and J. G. Golseth. 2,498,882, Feb. 28.
Incendiary. W. F. Van Loenen. 2,509,710, May 30.
Incendiary composition. W. F. Van Loenen. 2,530,489, Nov. 21.
Incendiary composition. W. F. Van Loenen. 2,530,491, Nov. 21.
Incendiary compositions, Making. W. F. Van Loenen. 2,530,490, Nov. 21.
Incendiary compositions, Making. W. F. Van Loenen. 2,530,492, Nov. 21.
Inching control system for electric motors. G. C. Armstrong. 2,519,216, Aug. 15.
Incinerator. H. H. Hathaway. 2,535,206, Dec. 26.
Incorporation of fines in a silica-alumina catalyst. F. C. Nicholson and C. P. Wilson. 2,535,948, Dec. 26.
Incinerator. H. E. C. Huber. 2,527,188, Oct. 24.
Incinerator. S. Letvin. 2,504,991, Apr. 25.
Incinerator. H. V. Patterson. 2,495,076, Jan. 17.
Incinerator and reclaimer, Combination. C. S. Guerchoux. 2,517,202, Aug. 1.
Incinerator, Electrical. M. D. Curry. 2,534,953, Dec. 19.
Incinerator for drying and burning wet refuse, Multistage. J. G. Ames. 2,493,939, Jan. 10.
Incinerator for products of combustion engines, furnaces, and the like. C. Bellstedt. 2,492,947, Jan. 3.
Incinerator provided with drying chamber. A. H. Heimbach. 2,508,458, May 23.
Incinerator, Reversible trash. R. T. Miles. 2,528,447, Oct. 31.
Incinerator with agitating means, Space heating rubbish. L. Davidson. 2,515,497, July 18.
Incinerator with associated drying hearth, Garbage. H. B. Hommon. 2,516,213, July 25.

Incinerator with attached drying chamber. V. D. Jester. 2,515,408, July 18.
Incinerator with burner means responsive to weight of rubbish to be burned. J. G. Ames. 2,517,074, Aug. 1.
Incinerator with centrally supported superimposed air supply means. W. S. Martin and C. Hennig. 2,514,657. July 11.
Incinerator with hinged stoker arms, Mechanically stoked. A. Mayer. 2,514,658, July 11.
Incinerator with hot-air heating means, Air-cooled. E. S. Jefferies, Sr. 2,527,934, Oct. 31.
Incinerator with spark arrester and cooling means. R. G. Gregg and A. E. Wirth. 2,515,869, July 18.
Incision closer. C. T. Williams. 2,513,771, July 4.
Incision spreader. A. Thomson and G. D. Buffington. 2,531,171, Nov. 21.
Inclined current fluid suspension ore separator. B. F. Hearn. 2,497,884, Feb. 21.
Inclined drier. K. A. Raypholtz. 2,506,739, May 9.
Inclined water tube boiler. H. D. Coulbourn. 2,516,755, July 25.
Inclinometer and accelerometer, Photoelectric. W. B. McLean and I. H. Swift. 2,498,997, Feb. 28.
Inclinometer, Float. M. R. Volk. 2,525,387, Oct. 10.
Inclinometer, Pendulum. R. L. R. Cockerell. 2,505,884, May 2.
Inclinometer, Recording. E. H. Mullins. 2,512,670, June 27.
Incorporating gas into clay slurries. J. Winston and F. L. Weinstein. 2,507,131, May 9.
Incorporating selenium in cadmium red pigments. G. C. Marcot. 2,515,721, July 18.
Incorporation of clay filler into synthetic rubber. R. E. Meeker and H. J. E. Segrave. 2,497,464, Feb. 14.
Incorporation of hydrophilic material into organic media. W. J. D. van Dijck. 2,515,145, July 11.
Increasing bruise-resistance of low-unsaturation isobutylene-diolefin synthetic rubber before curing. J. Rehner, Jr. and P. J. Flory. 2,526,504, Oct. 17.
Increasing filterability of magnesium hydroxide. T. Woodward. 2,493,051, Jan. 3.
Increasing frequency. F. G. Logan. 2,517,396, Aug. 1.
Increasing the axial tensile strength of threaded joints. J. L. Holmquist and P. W. Pheneger. 2,494,128; Jan. 10.
Increasing the corrosion resistance of ferrous articles. A. F. Winslow and E. W. Balis. 2,529,206, Nov. 7.
Increasing the corrosion-resistance of metals. R. F. Drysdale and R. W. Parker. 2,514,941, July 11.
Increasing the fatigue strength of chain links. C. F. Lauenstein. 2,517,497, Aug. 1.
Increasing the strength of insolubilized artificial protein filaments. R. H. K. Thomson and D. Traill. 2,506,252–3, May 2.
Increasing the tenacity of cellulose acetate yarns. T. Jackson and F. B. Hill. 2,505,048, Apr. 25.
Incubator and brooder, Combination. W. G. Bonham. 2,496,433, Feb. 7.
Incubator brooder. C. Edwards. 2,526,939, Oct. 24.
Incubator, Automatically controlled oscillating electric. B. H. Clem and J. W. Flaig. 2,518,224, Aug. 8.
Indenes, Producing. W. E. Elwell. 2,531,328, Nov. 21.
Indented paper pad. C. R. Walker. 2,502,113, Mar. 28.
Independent suspension. J. J. Wharam and J. J. Felts. 2,508,130, May 16.
Index and reinforcing member. P. Zalkind. 2,507,659, May 16.
Index and signal. C. F. Wolters. 2,493,211, Jan. 3.
Index, Card. W. P. De Saussure. 2,493,530, Jan. 3.
Index card in selective card sorting system. A. A. Rembold. 2,515,424, July 18.
Index device for gear grinding machines. A. Aeppli. 2,528,988, Nov. 7.
Index device in which a selected sheet is held down and sheets thereabove lifted. W. Faas. 2,494,167; Jan. 10.
Index device, Telephone. M. S. Pollock. 2,524,209, Oct. 3.
Index embodying a plurality of swingable panels, Visible. M. B. Hall. 2,498,808, Feb. 28.
Index fixture, Automatic electric. M. H. Emrick. 2,535,490, Dec. 26.
Index for workholders, Universally adjustable. A. K. Elliott and T. T. Munn. 2,509,338, May 30.
Index, Selectable. J. F. Thull. 2,532,129, Nov. 28.
Index strip holder. C. E. Jones. 2,526,950, Oct. 24.
Index tray and bottom stop therefor, Card. C. F. Wolters. 2,529,987, Nov. 14.
Index, Visible. W. A. Downs. 2,529,926, Nov. 14.
Indexing and lock mechanism. O. H. Pearson. 2,531,890, Nov. 28.
Indexing center work support. J. F. Demark. 2,517,770, Aug. 8.
Indexing device. A. H. Pearson. 2,524,538, Oct. 3.
Indexing device. M. D. Tyler. 2,508,310, May 16.
Indexing device, Card. R. Henderson. 2,524,704, Oct. 3.
Indexing mechanism. C. S. Bednash and G. S. Burroughs. 2,528,489, Nov. 7.
Indexing mechanism. R. E. Flanders and L. Davis. 2,506,495, May 2.
Indexing mechanism, Cumulative. G. A. Hale. 2,532,906, Dec. 5.
Indexing mechanism, Value. R. Gourdon. 2,522,671, Sept 19.
Indicating and adjusting mechanism for machine tools. H. J. Siekmann and R. M. Bacon. 2,521,312, Sept. 5.
Indicating and carrying means for portable radio receiving sets. V. A. Dockendorff. 2,502,832, Apr. 4.
Indicating and finding system, Direction. J. I. Heller. 2,498,919, Feb. 28.
Indicating and marking apparatus for aircraft, Course. J. E. Finneran, Jr., and H. C. Stites. 2,506,353, May 2.
Indicating apparatus for determining correction of postural foot alignment, Visual. R. U. Darby. 2,535,787, Dec. 26.
Indicating apparatus for load compensating fluid pressure brake equipment. E. E. Hewitt. 2,531,043, Nov. 21.
Indicating apparatus, Radio. J. V. Coste. 2,522,098, Sept. 12.
Indicating arrangement. T. B. D. Terroni, and J. R. Cannon. 2,523,456, Sept. 26.
Indicating circuit. R. M. Walker. 2,501,110, Mar. 21.
Indicating device. G. G. Allenbaugh. 2,535,826, Dec. 26.
Indicating device. H. E. Balsiger and C. C. W. Williams. 2,528,295, Oct. 31.
Indicating device. M. J. Groenenberg. 2,533,791, Dec. 12.
Indicating device. W. D. Van Dyke. 2,532,970, Dec. 5.
Indicating device for bowling alleys having elevatable pin receiving means. J. F. Timberlake. 2,520,662, Aug. 29.
Indicating device for electrical apparatus, Age. A. Boyajian. 2,505,521, Apr. 25.
Indicating device for telephone switches, Mirror position. A. O. Jörgensen. 2,523,627, Sept. 26.
Indicating device, Liquid level. C. A. de Giers. 2,516,452, July 25.
Indicating device, Menstrual cycle. J. B. Lancaster. 2,517,793, Aug. 8.
Indicating device, Menstrual cycle. J. B. Lancaster. 2,535,431, Dec. 26.
Indicating device, Pressure responsive. S. Terpak. 2,497,702, Feb. 14.
Indicating device, Radio direction. W. J. O'Brien. 2,531,918, Nov. 28.
Indicating device, Speed. D. I. Pugin. 2,504,582, Apr. 18.
Indicating device with automatic zero adjustment. O. Kornei. 2,497,675, Feb. 14.
Indicating extension-attachment for collapsible tubes. H. A. Perrigo. 2,531,641, Nov. 28.
Indicating ionization pressure. M. L. Yeater. 2,530,111, Nov. 14.
Indicating means. G. A. Just, Jr. 2,514,872, July 11.
Indicating means for aviation ground trainers, Simulated air-speed. C. K. Wilkinson and R. C. Morehouse. 2,510,161, June 6.
Indicating mechanism, Weighing scale. W. M. Pease. 2,518,568, Aug. 15.
Indicating, recording, and controlling apparatus. C. H. Gregory and J. Hall. 2,535,202, Dec. 26.
Indicating system. S. S. Konigsberg. 2,519,668, Aug. 22.
Indicating system, Air speed. W. A. Ayres, R. L. Wathen, and G. H. Lee. 2,524,747, Oct. 10.
Indicating system for radar apparatus, Three coordinate. W. H. Doherty. 2,515,339, July 18.
Indicating system for radar direction finders. N. E. Lindenblad. 2,522,880, Sept. 19.
Indicating system for rotary winged aircraft, Air-speed. E. A. Link. 2,531,521, Nov. 28.
Indicating system, Position. P. J. Herbst. 2,532,063, Nov. 28.
Indicating system, Radio-position. C. W. Earp and R. M. Godfrey. 2,512,615, June 27.
Indicating system, Relative speed. G. H. Rendel. 2,506,106, May 2.
Indicating system, Time interval. W. P. Boothroyd. 2,503,320, Apr. 11.
Indicating system, Ultra high frequency radiation. W. W. Salisbury. 2,509,045, May 23.
Indication apparatus, Indicating instrument deactivation. C. A. de Giers. 2,511,399, June 13.
Indicator: *See*—
Aircraft flight indicator.
Air-flow indicator.
Airplane stall indicator.
Airway traffic indicator.
Alidade bearing indicator.
Altimeter indicator.
Angle of attack indicator.
Attitude indicator.
Automatic station indicator.
Averaging indicator.
Balanced-diaphragm dynamometer torque indicator.
Battery electrolyte level indicator.
Board game indicator.
Bottle contents quantity indicator.
Chemical indicator.
Chemical treatment feed indicator.
Circulation indicator.
Cloud point indicator.
Critical speed indicator.
Depth of field indicator.
Detonation indicator.
Differential pressure indicator.
Dust clog indicator.
Electric current and voltage indicator.
Electronic indicator.
Emission indicator.
Exhaustion indicator.
Fertility and sterility indicator.
Flight indicator.
Flowmeter indicator.
Fluid flow direction indicator.
Fluid flow indicator.
Fluid rate of flow indicator.
Free air temperature indicator.
Frequency modulation distance indicator.
Frequency modulation radio-echo distance indicator.
Gas flow indicator.

Indicator: *See*—Continued.
Generator charge indicator.
Ground speed indicator.
Gyroscopic flight indicator.
Gyroscopic ship roll indicator.
Hair wave processing indicator.
Hat attached posture indicator.
High vacuum indicator.
Homing beacon indicator.
Hook-on power-factor indicator.
Hydraulic brake level indicator.
Icing indicator.
Instrument landing indicator.
Inventory indicator.
Justification indicator.
Liquid depth indicator.
Liquid level indicator.
Liquid rate-of-flow indicator.
Load indicator.
Magnetically actuated direction indicator.
Mean velocity indicator.
Mechanical water depth indicator.
Mileage and route indicator.
Moisture indicator.
Molten metal temperature indicator.
Motor vehicle tire pressure indicator.
Movable magnifying lens indicator.
Moving target indicator.
Optical indicator.
Panoramic position indicator.
Pendulum level indicator.
Phase difference indicator.
Phase indicator.
Pick indicator.
Plan position indicator.
Pocket flight position indicator.
Polyphase sequence indicator.
Power factor indicator.
Projection vibration indicator.
Radar distance and altitude indicator.
Radar target distance indicator.
Radio distance indicator.
Radio object location indicator.
Radio receiver indicator.
Rate of change indicator.
Remote angular position indicator.
Remote antenna tuning indicator.
Repeater indicator.
Response curve indicator.
Reversible humidity indicator.
Rhythmic cycle indicator.
Service indicator.
Shoal water indicator.
Shockproof dial indicator.
Shuffleboard weight position indicator.
Solution concentration indicator.
Sonic air-speed and stall indicator.
Speed indicator.
Speed limit indicator.
Thermally responsive indicator.
Tire deflation indicator.
Tire inflation indicator.
Tire pressure indicator.
Toe terminus indicator.
Torque and speed indicator.
Torque indicator.
Tubular electromagnet potential indicator.
Vehicle direction indicator.
Visual homing indicator.
Visual voltage indicator.
Voltage variation indicator.
Water-level indicator.
Weather indicator.
Weighing scale indicator.
Weight on bit indicator.
Wheel play indicator.
Wind direction indicator.
Wind velocity indicator.
World time indicator.
Indicator. W. E. Denison. 2,501,033, Mar. 21.
Indicator. F. E. Marsh and C. R. Marcum. 2,516,011, July 18.
Indicator. P. A. Noxon. 2,506,885, May 9.
Indicator. W. Rabe. 2,493,313, Jan. 3.
Indicator. D. C. Rockola. 2,500,381, Mar. 14.
Indicator and compass, Celestial position. P. E. Hoffmeister. 2,508,027, May 16.
Indicator and control device. C. F. Thiele. 2,533,068, Dec. 5.
Indicator and control method, Dipole moment. J. R. Bowman. 2,499,626, Mar. 7.
Indicator and direction controller for synchronous motor-driven clocks, Combined. R. L. Boyles. 2,513,913, July 4.
Indicator and memorandum, Time. A. H. Gundersen. 2,505,357, Apr. 25.
Indicator and over-temperature alarm, Multiple temperature. K. J. Knudsen. 2,504,931, Apr. 18.
Indicator and selective answering switch unit, Multiple telephone station call. J. T. Meade. 2,515,883, July 18.
Indicator and signal, Hotbox. T. Marks, Jr. 2,521,469, Sept. 5.
Indicator and switch, Heat. A. A. Reilly. 2,518,998, Aug. 15.
Indicator and the like, Electronic distance. C. E. Atkins. 2,530,141, Nov. 14.
Indicator and transposer. W. J. Quednau. 2,517,026, Aug. 1.
Indicator and transposing device, Music chord. J. H. Mayberry. 2,497,364, Feb. 14.
Indicator and tuning control, Tuning. G. E. Hansell. 2,495,326, Jan. 24.
Indicator board. C. E. Whitaker. 2,519,724, Aug. 22.
Indicator device. M. B. Herscher and R. F. Bov. 2,516,771, July 25.
Indicator drive, Weighing scale. L. S. Williams. 2,518,585, Aug. 15.
Indicator, filar geared electrical measuring instrument, Concentric. F. X. Lamb. 2,517,216, Aug. 1.
Indicator for aircraft, Telemetric altitude. M. Wallace. 2,498,933, Feb. 28.
Indicator for automobile headlights. G. H. Carroll. 2,506,777, May 9.
Indicator for automobiles, Clearance. G. Pripeton. 2,522,637, Sept. 19.
Indicator for automobiles, Clearance. C. Reilley and S. B. Smith. 2,518,065, Aug. 8.
Indicator for battery cells, Nonoverfill. D. M. Simpson. 2,532,520, Dec. 5.
Indicator for bolts or studs, Stress. A. R. Stone. 2,503,141, Apr. 4.
Indicator for cameras, Film position. C. W. Crumrine. 2,530,510, Nov. 21.
Indicator for capacitors, Discharge. R. E. Marbury. 2,516,010, July 18.
Indicator for cooking ranges. C. M. Mayer. 2,494,892, Jan. 17.
Indicator for electrical circuits, Overload. W. Parkerson. 2,495,981. Jan. 31.
Indicator for frequency modulation receivers, Tuning. J. P. Grant. 2,514,327, July 4.
Indicator for insulated aircraft antennas, Breakdown. J. P. Parker. 2,520,956, Sept. 5.
Indicator for jet engines, Thrust. E. B. Baldridge and R. N. Green. 2,524,749, Oct. 10.
Indicator for manually controlled radio direction finder systems, Sense. R. Hardy. 2,495,718, Jan. 31.
Indicator for maps, Course. P. W. Nippert. 2,512,285, June 20.
Indicator for milking machines, Flow. L. Dinesen. 2,513,627, July 4.
Indicator for radio receivers, Tuning. A. P. Olesky. 2,497,269, Feb. 14.
Indicator for railway motor cars, Wayside. A. W. Fisher and W. B. Wells. 2,500,608, Mar. 14.
Indicator for receiving telegraphs, Circuit failure. A. Kahn. 2,522,874, Sept. 19.
Indicator for sewing machines, etc., Faulty thread. A. E. Stevens. 2,534,999, Dec. 19.
Indicator for solenoid valves, Pilot. D. K. McIlvaine. 2,528,898, Nov. 7.
Indicator for storage batteries and other liquid containers, Liquid level. R. L. Westall. 2,512,757, June 27.
Indicator for storage batteries, Liquid level. R. W. Wardell. 2,504,288, Apr. 18.
Indicator for sun lamps, Time exposure. E. E. Springer. 2,525,464, Oct. 10.
Indicator for switchboards with rotating shutter. F. A. Stearn and E. Manzo. 2,513,375, July 4.
Indicator for the blind. J. B. Walker. 2,506,946, May 9.
Indicator for voltage testers, Polarity. L. L. Simkins. 2,524,841, Oct. 10.
Indicator for webs, Moisture. J. S. Seney. 2,508,045, May 16.
Indicator mechanism. A. P. Brietzke. 2,529,832–3, Nov. 14.
Indicator of distance between two points and the bearing of a line connecting them, Visual. G. L. Fernsler. 2,520,595, Aug. 29.
Indicator of the menstrual cycles, Combined and perpetual. J. Spielmann. 2,512,446, June 20.
Indicator plotting board for loran navigation, Electrical. J. W. Gray. 2,530,428, Nov. 21.
Indicator system. G. R. Clark. 2,510,072, June 6.
Indicator system. J. S. Hickey, Jr. 2,523,761, Sept. 26.
Indicator system for radar with spinning antenna or the like, Electronic. N. E. Lindenblad. 2,500,552, Mar. 14.
Indicator system, Tuning. H. T. J. Wiegerinck and J. H. van Wageningen. 2,530,847, Nov. 21.
Indicator system, Volume. J. F. Clark, III. 2,494,643, Jan. 17.
Indicator using colors for distance indication, Radio object position. W. A. Ayres. 2,508,358, May 23.
Indicator with star wheel damper, Level. H. B. Budack. 2,523,419, Sept. 26.
Indicators of mechanical expansion, Making electrical. K. B. Blodgett and V. J. Schaefer. 2,493,745; Jan. 10.
Indirect forced commutation of static current converters in two-way connection. E. Uhlmann. 2,526,053, Oct. 17.
Indium plating. D. F. Green and J. E. Salmon. 2,497,988, Feb. 21.
Inductance device. J. G. Booth. 2,511,987, June 20.
Inductance device or the like, Adjustable. E. L. Johnson. 2,497,456, Feb. 14.
Inductance device, Variable. R. L. Harvey and L. L. Burns, Jr. 2,503,155, Apr. 4.
Induction apparatus, Electric. G. Camilli. 2,529,135, Nov. 7.
Induction apparatus, Electric. A. F. Mittermaier. 2,521,533, Sept. 5.
Induction apparatus for metal coating. M. Tama. 2,520,349, Aug. 29.
Induction apparatus, Stationary. W. F. M. Gray. 2,521,513, Sept. 5.
Induction clutch. C. E. Milde. 2,505,500, Apr. 25.
Induction device, Electric. R. T. Reardon. 2,521,536, Sept. 5.
Induction device having a substantially pure sine relation between the coupling and the relative displacement of its elements. J. P. Glass, Jr. 2,535,914, Dec. 26.
Induction fluid heater. O. A. Kendall. 2,501,393, Mar. 21.
Induction furnace. L. A. Dreyfus. 2,517,098, Aug. 1.
Induction furnace. L. A. Dreyfus. 2,518,872, Aug. 15.
Induction furnace. R. L. Lindner and T. K. Hayes. 2,503,621, Apr. 11.
Induction furnace push-out rod. H. A. Strickland, Jr. 2,495,787, Jan. 31.

Induction generator. H. H. Curry. 2,497,113, Feb. 14.
Induction hardening apparatus. R. B. Haynes. 2,511,059, June 13.
Induction heat-treating apparatus. H. A. Strickland, Jr. 2,517,607, Aug. 8.
Induction heater. E. F. Caswell. 2,524,514, Oct. 3.
Induction heater. C. H. Watson. 2,502,770, Apr. 4.
Induction heating a plurality of elements, Simultaneously. R. A. Bierwirth. 2,525,336, Oct. 10.
Induction heating and quenching apparatus. R. A. Gehr. 2,512,893, June 27.
Induction heating control mechanism. D. I. Bohn. 2,510,770. June 6.
Induction motor. E. P. Oswald. 2,498,704, Feb. 28.
Inductive communication system between moving vehicles and conventional telephone subscribers. E. W. Marlowe. 2,507,728, May 16.
Inductor. F. C. Blancha. 2,496,034, Jan. 31.
Inductor generator. C. A. Maynard. 2,505,130, Apr. 25.
Industrial gas-fired air heater. J. A. Harrison. 2,512,326, June 20.
Inertia control system for indicators. H. M. Strobel. 2,511,485, June 13.
Inertia member for retarding breechblock movement in automatic firearms. J. Koucký. 2,495,460, Jan. 24.
Inertia operated pivoted bolt lock. V. A. Browning. 2,499,090. Feb. 28.
Inertia responsive control device. W. C. Mentzer and G. G. Anderson. 2,525,820, Oct. 17.
Inertia trip for circuit breakers. L. W. Dyer. 2,508,148, May 16.
Inertia valve. W. E Stearns. 2,499,793, Mar. 7.
Infant's chair. E. L. Johnson. 2,535,212, Dec. 26.
Infant's folding bath stand. C. T. De Puy. 2,513,457, July 4.
Infant's folding chair. M. Cohen. 2,508,905, May 23.
Infant's toilet training chair. W. R. Snyder and M. F. Eaton. 2,535,704, Dec. 26.
Infeed attachment for centerless grinding machines. K. Anderson. 2,520,822, Aug. 29.
Infinitely variable change-speed gear. A. Wullschleger. 2,512,454, June 20.
Inflatable articles, Making. T. W. Winstead. 2,522,079, Sept. 12.
Inflatable form for dipped rubber articles. G. Ingram. 2,518,326, Aug. 8.
Inflated elastic body within another inflated elastic body. L. Costea. 2,505,526, Apr. 25.
Inflation device. H. E. Heigis. 2,495,254, Jan. 24.
Inflation device for safety tubes. C. U. Gramelspacher. 2,501,937, Mar. 28.
Information indicating system. H. Aho. 2,515,387, July 18.
Infrared adaptor for optical apparatus. R. J. Bailly. 2,522,493. Sept. 19.
Infrared generator. J. M. Coats. 2,535,268, Dec. 26.
Infrared heater. B. L. Kjelgaard. 2,527,013, Oct. 24.
Infrared light-polarizing material and manufacture. R. P. Blake. 2,494,686, Jan. 17.
Infrared phosphors, Doubly activated. H. W. Leverenz. 2,527,365, Oct. 24.
Infusion apparatus. W. C. Dold. 2,522,102, Sept. 12.
Infusion package and making same. T. R. Baxter. 2,498,197, Feb. 21.
Ingot buggy. J. C. Reed. 2,521,803, Sept. 12.
Ingredient supply for washing machines. A. N. Wagner. 2,522,242, Sept. 12.
Inhalator. C. A. Heisterkamp. 2,503,732, Apr. 11.
Inhaler. J. M. Benson. 2,532,282, Dec. 5.
Inhaler. C. C. Chapple. 2,513,145, June 27.
Inhaler. V. C. Hall. 2,517,482, Aug. 1.
Inhaler apparatus. C. F. Lombard. 2,535,938, Dec. 26.
Inhibiting corrosion in wells. P. L. Menaul. 2,493,462, Jan. 3.
Inhibiting corrosion of ferrous metal. J. W. Bishop. 2,520,356, Aug. 29.
Inhibiting evolution of hydrogen sulfide from sulfurized oil lubricants. B. Folda, Jr. 2,510,031, May 30.
Inhibiting foaming in steam boilers. L. O. Gunderson. 2,528,273, Oct. 31.
Inhibiting foaming in steam boilers, Method of and composition for. L. O. Gunderson. 2,534,441, Dec. 19.
Inhibiting scales. P. G. Bird. 2,505,457, Apr. 25.
Inhibiting the corrosive effect of sulfuric acid. M. S. Baer. 2,513,131, June 27.
Inhibition of oil well corrosion. J. L. Seymour. 2,531,829, Nov. 28.
Inhibitor for gasoline. R. H. Rosenwald and J. A. Chenicek. Re. 23,239, June 6.
Initiating the arc in mercury-pool tubes. W. H. Teare. 2,523,789, Sept. 26.
Injecting water or other liquids into gas input wells, Method and apparatus for. W. J. Roberts. 2,514,259, July 4.
Injection device for concrete mixers, Water. L. G. Hillkemeier. 2,534,445, Dec. 19.
Injection device, Hypodermic. J. A. Saffir. 2,512,568, June 20.
Injection equipment, Intravenous. H. R. Grau. 2,505,765, May 2.
Injection means, Fluid actuated. L. J. Garday. 2,531,332, Nov. 21.
Injection means, Fluid actuated. L. J. Garday and R. A. Lasley. 2,531,330, Nov. 21.
Injection means for internal-combustion engines, Liquid fuel. M. C. Wilks. 2,503,534, Apr. 11.
Injection mold. O. E. Hermanns. 2,535,132, Dec. 26.
Injection mold. L. Mazzoni. 2,500,258, Mar. 14.
Injection molding press. E. R. Knowles. 2,519,255, Aug. 15.
Injection pump. P. C. Ward. 2,499,706, Mar. 7.
Injection stake for treatment and fertilizer liquids. B. R. Glaenzer. 2,519,646, Aug. 22.
Injection system and apparatus therefor. D. J. O'Connell. 2,535,752, Dec. 26.
Injection system for internal-combustion engines, Water. S. W. Garrigus. 2,493,808; Jan. 10.
Injection system for magnetic induction accelerators, Improved. R. Wideröe. 2,533,859, Dec. 12.
Injector. H. A. Bosonetto and W. N. Hedeman. 2,513,622, July 4.
Injector, Automatic. E. P. Wise. 2,526,920, Oct. 24.
Injector, Differential pressure. J. L. Webb, Jr., J. J. Broderick, and G. E. Herz. 2,506,528, May 2.
Injector, Engine pressure actuated. E. H. King. 2,518,901, Aug. 15.
Injector for internal-combustion engines, Fuel. E. J. Hauber. 2,512,644, June 27.
Injector for pressure lines, Metering. J. A. Bradley. 2,510,373, June 6.
Injector, Pellet. H. J. Wick and W. E. Fry. 2,502,909, Apr. 4.
Ink, Bonding planographic. D. A. Newman. 2,503,679, Apr. 11.
Ink bottle dispenser. C. H. Draper. 2,517,182, Aug. 1.
Ink container. W. V. Werner and H. H. Heimer. 2,496,761, Feb. 7.
Ink control means, Printing press. C. Weber and R. Bisgen. 2,520,230, Aug. 29.
Ink fountain divider. S. A. Lerch. 2,514,653, July 11.
Ink fountain for rotary printing presses. H. J. Luehrs. 2,525,363, Oct. 10.
Ink fountain structure. H. E. Peyrebrune and H. T. James. 2,514,556, July 11.
Ink, Intaglio. L. Lambelet and W. Jaeck. 2,498,812, Feb. 28.
Ink, Printing. E. D. Lee and R. J. Schefbauer, Jr. 2,505,866, May 2.
Ink roller vibrating means. H. F. Meyer and C. W. Harrold. 2,520,688, Aug. 29.
Inkstand. L. W. Kendrick. 2,521,066, Sept. 5.
Ink, Transfer. D. A. Newman. 2,519,321, Aug. 15.
Ink unit for marking machines. H. R. Fletcher. 2,522,218, Sept. 12.
Inker in reciprocating printing machines, Ribbon. H. P. Elliott. 2,502,133, Mar. 28.
Inking device for laundry marking machines. G. Petty. 2,529,225, Nov. 7.
Inking device for printing rollers. F. M. Carroll. 2,500,275, Mar. 14.
Inking device for typewriters. R. H. Higgins. 2,530,697, Nov. 21.
Inking device, Ribbon. W. J. Kreider. 2,531,692, Nov. 28.
Inking device, Ribbon. O. W. Markes. 2,526,571, Oct. 17.
Inking machine, Semiautomatic sole-edge. E. J. Ray. 2,530,585, Nov. 21.
Inking mechanism for printing presses. J. E. Meyer. 2,526,254, Oct. 17.
Inking pad. H. P. Sherman. 2,510,838, June 6.
Inks. A. Voet. 2,525,433, Oct. 10.
Inks and vehicles therefor. H. A. Seil and H. Cole. 2,499,004, Feb. 28.
Inks, Drying printing. C. E. Thorp and L. C. Kinney. 2,528,850, Nov. 7.
Inks, Quick-drying writing. R. L. Mayhew. 2,493,724, Jan. 3.
Inks, Water set printing. A. Voet. 2,513,122, June 27.
Inks, Writing. G. H. Sayler. 2,528,390, Oct. 31.
Inlay transfer method of printing thermoplastic films. O. K. Marquardt. 2,510,750, June 6.
Inner tube. J. E. Cady and F. A. Mulbarger. 2,535,120, Dec. 26.
Inner tube valve. E. Eger. 2,500,531, Mar. 14.
Inner tubes, Making. A. J. Musselman. 2,512,774, June 27.
Inner tubes, Manufacture of. H. H. Vickers. 2,527,204, Oct. 24.
Inoculator, Serum. R. G. Truesdale. 2,512,882, June 27.
Inorganic composition for inhibiting sap stain. L. R. Bacon and D. B. Conklin. 2,517,958, Aug. 8.
Inorganic oxide spherical particles, Manufacture of. L. S. Kassel. 2,496,396, Feb. 7.
Inorganic salts, The separation and recovery of. C. A. Hampel. 2,496,288–90, Feb. 7.
In-place bearing adjustment wrench. R. G. Le Tourneau. 2,510,896, June 6.
Insect controlling composition comprising an alkyl 2-thiazolinyl sulfide. A. H. Goddin and N. E. Searle. 2,516,313, July 25.
Insect destroyer. W. A. Yarbrough. 2,513,544, July 4.
Insect-destroying device. M. Gnolnsky, Sr. 2,516,977, Aug. 1.

Insect electrocution trap. J. J. Sheehy. 2,516,264, July 25.
Insect proofing woolen fabrics with 2,3-diaryl indoles. W. D. Stewart. 2,510,432, June 6.
Insect repellent compositions. G. H. Morey. 2,527,322, Oct. 24.
Insect repellent mixtures comprising a hydrogenated diphenyl and a hydrogenated naphthol. M. Pijoan and L. A. Jachowski, Jr. 2,512,675, June 27.
Insect repellents. N. L. Drake and C. M. Eaker. 2,535,052, Dec. 26.
Insect repellents. M. S. Newman and B. J. Magerlein. 2,535,089, Dec. 26.
Insecticidal and synergistic products. O. F. Hedenburg. 2,521,366, Sept. 5.
Insecticidal composition. L. C. Cartwright. 2,497,294, Feb. 14.
Insecticidal composition comprising a dodecahydro acridane. W. D. Stewart and J. H. Standen. 2,510,431, June 6.
Insecticidal composition comprising DDT and methoxychlor. R. A. Sturdy. 2,535,000, Dec. 19.
Insecticidal composition comprising 1.1-di-(4-chlorophenyl)-2.2.2-trichloro-ethane and 1.1di-(monochlorophenyl)-ethane. C. E. Dieter and B. J. Thiegs. 2,510,870, June 6.
Insecticidal composition comprising pyrethrins and a synergist therefor. O. F. Hedenburg. 2,524,108, Oct. 3.
Insecticidal composition containing a resinous clay tower polymer. E. G. Marhofer. 2,514,714, July 11.
Insecticidal compositions. H. G. Smith, M. L. Hill, and T. L. Cantrell. 2,522,311, Sept. 12.
Insecticidal compositions comprising either hexyl alkyl tetraphosphate or tetra-alkyl pyrophosphate and either an alkali-metal fluoride or fluorosilicate. A. Bell. 2,514,621, July 11.
Insecticidal compositions comprising heat-treated hexaethyl tetraphosphate. M. N. Dvornikoff. 2,531,354, Nov. 21.
Insecticidal compositions containing primary polyhalophenylethylamine. C. C. Clark. 2,504,803, Apr. 18.
Insecticidal compositions containing pyrethrin and rotenone extracts. H. Wachs and K. Kulka. 2,505,698, Apr. 25.
Insecticidal compositions containing pyrethrum extracts and piperonyl cyclohexenones. H. Wachs and K. Kulka. 2,505,699, Apr. 25.
Insecticidal dusts containing 2,2-bis (4-methoxyphenyl)-1,1,1-trichloroethane and making same. A. L. Flenner. 2,506,636, May 9.
Insecticide comb-applicator. N. Williams. 2,532,001, Nov. 28.
Insecticide composition. G. F. E. M. Dierick. 2,509,764, May 30.
Insecticide composition comprising di-(monochlorophenoxy)-methane and 1.1-di-(monochlorophenyl)-ethane. C. E. Dieter and O. H. Hammer. 2,499,992, Mar. 7.
Insecticide composition comprising hexaethyl tetraphosphate and di-(4-chlorophenoxy)-methane. E. E. Kenaga. 2,523,218, Sept. 19.
Insecticide comprising benzene hexachloride and tar oils. N. F. Rea. 2,534,926, Dec. 19.
Insecticide comprising cyclo-diene quinone adducts. J. Hyman. 2,507,207, May 9.
Insecticide comprising rotenone and (butylcarbityl) (6-propyl piperonyl) ether as a synergist therefor. L. W. Brannon. 2,528,493, Nov. 7.
Insecticide comprising rotenone and piperonyl cyclonene as a synergist therefor. L. W. Brannon. 2,531,390, Nov. 28.
Insecticides. W. D. Harris and T. W. Kerr. 2,528,139, Oct. 31.
Insecticides. M. Kulka and H. D. Tate. 2,528,151, Oct. 31.
Insecticides produced by reacting trialkyl phosphates with thiophosphoryl halides and their preparation. A. Bell. 2,514,150, July 4.
Inseminator. A. J. Kissileff. 2,503,341, Apr. 11.
Insert for containers, Article holding. S. H. Davis, L. F. Middlesworth and A. L. Milstein. 2,511,569, June 13.
Insert for the counter portion of boots or shoes. G. A. Stout. 2,505,593, Apr. 25.
Inserted blade cutter. R. W. Thomas and L. Skeel. 2,508,437, May 23.
Inserter or remover for thumbtacks. A. C. Hayden. 2,533,112, Dec. 5.
Inserting a weft into a warp in a circular loom. H. J. Cooper. 2,506,442, May 2.
Inserting attachment links in conveyer chains, Method and apparatus for. J. Teerlink, J. D'Mohowski, and N. E. Pearson. 2,499.336, Feb. 28.
Inserting device, Pin. E. R. Post. 2,510,137, June 6.
Inserting drawstrings within a hemmed material. E. E. Champlin. 2,511,247, June 13.
Inserting machine, Fastening. H. E. Elliott and G. C. Barton. 2,494,694, Jan. 17.
Inserting machine, Fastening. C. L. Knott. 2,510,234, June 6.
Inserting machine, Fastening. L. S. Macdonald. 2,524,817, Oct. 10.
Inside pipe cutter. R. D. Patrick, Jr. 2,494,193; Jan. 10.
Insole. H. Lipton. 2,529,034, Nov. 7.
Insole, Cushion. H. G. Lumbard. 2,534,462, Dec. 19.
Insole for shoes. M. Shapiro. 2,505,508, Apr. 25.
Insole for shoes, Reinforced. J. F. Daniels. 2,510,560, June 6.
Insole, Laminated plastic removable. R. L. Woodbury and E. P. Hanson. 2,495,045, Jan. 17.
Insoluble salts of penicillin. A. L. Tosoni and P. J. Moloney. 2,521,758, Sept. 12.
Insolubilization of a soluble azoic dyestuff on the fiber. R. L. Lantz. 2,500,080, Mar. 7.
Inspecting light-sensitive coatings, Method and apparatus for. C. M. Tuttle. 2,521,953, Sept. 12.
Inspecting materials by wave trains. R. B. De Lano, Jr. 2,507,854, May 16.
Inspecting welds. L. Fine and A. R. Ozanich. 2,499,577, Mar. 7.
Inspection apparatus and method. J. F. Price. 2,531,529, Nov. 28.
Inspection apparatus, Supersonic. N. G. Branson. 2,522,924, Sept. 19.
Inspection device, Hosiery. E. J. Butler. 2,493,803; Jan. 10.
Inspection of microphotographic and the like documents. A. Marmour. 2,511,646, June 13.
Installation for boats, Power-driven propelling. J. G. Pugh. 2,513,050, June 27.
Installation for dams, Spillway. P. F. Danel. 2,529,141, Nov. 7.
Installation for supplying arcs or other applications, Controlled electrical. J. L. P. G. Martin. 2,506,964, May 9.
Installation for the continuous casting of ingots. J. F. A. Jacquet. 2,494,619, Jan. 17.
Installation for the continuous manufacture of glass. P. Mols. 2,513,732, July 4.
Installation for the measurement and the control of the temperature in a metal melting and particularly in a submerged resister type induction furnace. M. Tama. 2,519,941, Aug. 22.
Installing electric cable systems, Method and apparatus for. R. P. Lapsley. 2,532,504, Dec. 5.
Instant steam generator. M. N. Wagner. 2,505,656, Apr. 25.
Instantaneous starting electric lamp. M. E. Macksoud. 2,517,126, Aug. 1.
Instrument, Adjustable-angle surgical. P. P. Grosso. 2,507,710, May 16.
Instrument, Aircraft. L. de Florez. 2,496,274, Feb. 7.
Instrument, Alternating current rectifier bridge. H. B. Conant. 2,508,446, May 23.
Instrument and bow, Stringed musical. J. A. Graydon. 2,493,812; Jan. 10.
Instrument and electromagnet therefor, Alternating current electrical. E. J. Riordan. 2,507,320, May 9.
Instrument and forming the same, Musical. O. J. Kenyon. 2,516,467, July 25.
Instrument and making same, Multiple holder writing. E. B. Nichols. 2,530,901, Nov. 21.
Instrument and producing records therefor, Recorded tone musical. N. J. Jewett. 2,500,947. Mar. 21.
Instrument, Angle layout and checking. O. D. Premo. 2,532,329, Dec. 5.
Instrument, Angle measuring. E. R. Poulton. 2,500,137–8, Mar. 7.
Instrument, Attitude indicating. G. C. Draper. 2,515,200, July 18.
Instrument, Attraction-repulsion moving iron vane. H. T. Rights. 2,501,356, Mar. 21.
Instrument, Automatic telephone dialing. M. Joyce. 2,525,909, Oct. 17.
Instrument, Calculating. R. F. Deimel and W. A. Black. 2,516,187, July 25.
Instrument carrying telephone numbers, Writing. F. W. Lindblom. 2,504,076, Apr. 11.
Instrument, Casing removing. V. C. Applegate. 2,509,411, May 30.
Instrument, Celestial navigation. M. H. Kittelson. 2,527,189, Oct. 24.
Instrument, Changeable scale electrical testing. C. W. Dalzell. 2,514,745, July 11.
Instrument, Circumcision. H. A. Hinckley and R. C. Hawkins. 2,533,373, Dec. 12.
Instrument, Compound indicating. C. W. Cochran, Jr. 2,532,290, Dec. 5.
Instrument, Computing and measuring. M. M. Georgion. 2,517,196, Aug. 1.
Instrument construction, Electrical. W. R. Triplett. 2,506,003, May 2.
Instrument, Control. D. P. Eckman. 2,514,445, July 11.
Instrument, Control. G. W. Kuntny. 2,535,429–30, Dec. 26.
Instrument, Control. J. F. Maienshein. 2,494,135; Jan. 10.
Instrument control. L. Spraragen. 2,493,272, Jan. 3.
Instrument, Cooling. W. Chase. 2,536,001, Dec. 26.
Instrument, Cross pointer flight. F. A. Jenks. 2,533,262, Dec. 12.
Instrument, Curve scribing. V. H. Gray. 2,513,641, July 4.
Instrument, Cutting and scraping. W. J. Du Pont. 2,507,402, May 9.
Instrument, Cylindrical pipe wood-wind. W. H. Stubbins. 2,508,550, May 23.

Instrument, Dental. A. E. Haas. 2,519,246, Aug. 15.
Instrument, Dental. J. V. Rubba. 2,504,227, Apr. 18.
Instrument, Diagnostic. H. B. Cole. 2,507,771, May 16.
Instrument, Drafting. J. D. Cardinell. 2,509,559, May 30.
Instrument, Drafting. R. L. Fuqua. 2,522,030, Sept. 12.
Instrument, Drafting. W. H. Howard. 2,501,521, Mar. 21.
Instrument, Drafting. A. S. Knobloch. 2,519,768, Aug. 22.
Instrument, Drafting. P. Vanet. 2,524,642, Oct. 3.
Instrument, Drafting. L. Veyret and P. Vanet. 2,520,021, Aug. 22.
Instrument, Drafting. R. H. Wahle. 2,515,679, July 18.
Instrument, Drawing. G. W. Reeves. 2,515,357, July 18.
Instrument, Electric pyrographic. A. L. Atkins. 2,498,328, Feb. 21.
Instrument, Electrical. T. J. Smulski. 2,520,897–9, Aug. 29.
Instrument, Electrical control. J. H. Keegan and D. P. Eckman. 2,518,332, Aug. 8.
Instrument, Electrical measuring. F. X. Lamb. 2,515,014, July 11.
Instrument, Electrical measuring. W. M. Ross. 2,494,206; Feb. 21.
Instrument, Electrical musical. L. E. A. Bourn. 2,507,884, Feb. 28.
Instrument, Electrical musical. L. E. A. Bourn. 2,522,923, Sept. 19.
Instrument, Electrical musical. L. Hammond. Re. 23,200, Jan. 10.
Instrument, Electrical musical. L. Hammond and J. M. Hanert. 2,498,367, Feb. 21.
Instrument, Electrical musical. L. Hammond and J. M. Hanert. 2,501,172, Mar. 21.
Instrument, Electrical musical. J. M. Hanert. 2,500,820–1, Mar. 14.
Instrument, Electrical musical. J. M. Hanert. 2,514,490, July 11.
Instrument, Electrical musical. J. M. Hanert and L. Hammond. 2,508,514, May 23.
Instrument, Electrical musical. E. L. Kent. 2,498,337, May 16.
Instrument, Electrical musical. N. Langer. 2,533,821, Dec. 12.
Instrument, Electrical musical. T. H. Long. 2,496,224, Jan. 31.
Instrument, Electrical phase measuring. D. A. Young, B. E. Lenehan, and H. F. Bush. 2,531,018, Nov. 21.
Instrument, Electrical ratio indicating. W. B. M. Clark. 2,500,628, Mar. 14.
Instrument, Electrical testing. A. J. Ehlschlager. 2,526,338, Oct. 17.
Instrument, Electrical testing. J. Falcone. 2,505,177, Apr. 25.
Instrument, Electronic musical. R. B. Dome. 2,497,661, Feb. 14.
Instrument, Electronic musical. G. F. Illsley. 2,533,461, Dec. 12.
Instrument, Emasculatory. C. D. and G. L. Hawkins. 2,506,831, May 9.
Instrument enclosure, Electrical. J. F. Chapman and K. Riesz. 2,530.945, Nov. 21.
Instrument, Exposure meter. C. F. Taylor, C. W. McCarty, and A. G. Stimson. 2,509,893, May 30.
Instrument, Flight indicating. H. C. Mulberger and J. E. Bellitt. 2,526,682, Oct. 24.
Instrument float. J. C. Hewitt, Jr. 2,500,410, Mar. 14.
Instrument float control. J. C. Hewitt, Jr. 2,500,411, Mar. 14.
Instrument for conducting vision tests in industrial occupations, Telebinocular. G. M. Mast and W. K. Gannett. 2,533,385, Dec. 12.
Instrument for correlating angle of attack and air speed. V. E. Carbonara and J. H. Andresen, Jr. 8,507,367, May 9.
Instrument for craft and pilot guidance, Navigating. R. J. Herbold. 2,532,402, Dec. 5.
Instrument for cutting thin layers from skinlike tissue. L. Freudenberger. 2,524,102, Oct. 3.
Instrument for determining size and location of anterior teeth. J. E. Scott. 2,535,163, Dec. 26.
Instrument for determining top dead center position in internal-combustion engines, Electrical. G. J. Worel. 2,511,392, June 13.
Instrument for drawing ellipses. W. K. Groome. 2,504,832, Apr. 18.
Instrument for drawing ellipses. P. A. Suto. 2,499,935, Mar. 7.
Instrument for drawing ellipses or the like. J. W. Dibrell and P. White. 2,493,229, Jan. 3.
Instrument for drawing noncircular curves. P. Blampied. 2,529,130, Nov. 7.
Instrument for indicating the operating time of vehicles and other devices. G. Thornton-Norris. 2,533,638, Dec. 12.
Instrument for lettering and dimensioning, Drawing. G. S. Dolgorukov. 2,512,852, June 27.
Instrument for making perspective drawings. E. E. McCullough. 2,531,636, Nov. 28.
Instrument for measuring compressional wave radiation pressure. G. Fiedler. 2,531,844, Nov. 28.
Instrument for measuring, interpolating and the like. H. J. Gerber. 2,530,955, Nov. 21.
Instrument for retrograde electrosurgical resection. F. J. Wallace. 2,532,043, Nov. 28.
Instrument for setting cutting tools, Gauging. F. Lustrik. 2,533,024, Dec. 5.
Instrument for surveying inclination and direction of boreholes, Time-locking. C. Trotter and Y. Pajari. 2,508,899, May 23.
Instrument for testing compression. G. Gerard. 2,500,06[illegible], Mar. 7.
Instrument for testing paper. A. V. Wright. 2,506,478, May 2.
Instrument for testing rupture strength of sheet material. H. C. Johnston. 2,496,627, Feb. 7.
Instrument for testing tachometers and speedometers. D. R. Putt. 2,493,028, Jan. 3.
Instrument for the taking and injection of blood. A. C. Millard. 2,518,165, Aug. 8.
Instrument, Fuel air ratio. C. W. Cochran, Jr. 2,526,635, Oct. 24.
Instrument, Gauze packing. J. R. C. Hoover. 2,524,195, Oct. 3.
Instrument, Gyroscopic. C. E. Barkalow. 2,512,598, June 27.
Instrument, Gyroscopic. W. H. Kliever and I. H. Johnson. 2,512,746, June 27.
Instrument, Gyroscopic. H. C. Wendt. 2,535,003, Dec. 12.
Instrument, Gyroscopically-controlled. P. L. F. Jones. 2,512,279, June 20.
Instrument having adjustable fluid prism means, Optical. R. O'Leary. 2,504,039, Apr. 11.
Instrument having an ellipsoid point revolving in a race, Writing. J. B. Ehrhart and B. A. Piner. 2,504,189, Apr. 18.
Instrument having an optical sight, Aircraft landing. E. E. Flint. 2,517,779, Aug. 8.
Instrument having negative lens and grid scale, Optical viewing. R. W. Justice. 2,497,360, Feb. 14.
Instrument having pluckable teeth, Musical. T. R. Duncan. 2,493,119, Jan. 3.
Instrument, Hygrometric. F. C. Stewart. 2,528,018, Oct. 31.
Instrument, Impulse transmitter test. O. C. From. 2,498,669, Feb. 28.
Instrument, Indicating. E. G. Fulboam. 2,511,202, June 13.
Instrument, Indicating. G. F. Mertl and R. Knothe. 2,507,115, May 9.
Instrument, Ink applying. B. J. Swanson. 2,528,921, Nov. 7.
Instrument landing indicator. P. Halpert. 2,502,721, Apr. 4.
Instrument, Limit switch. A. A. Dicke, Jr. 2,504,010, Apr. 11.
Instrument, Magnetic measuring. W. Ruska. 2,501,538, Mar. 21.
Instrument, Magnetically biased indicating. J. L. Zar. 2,493,376, Jan. 3.
Instrument, Manicure. E. L. Blackman. 2,516,542, July 25.
Instrument, Maximum indicating. M. S. Biskind. 2,520,028, Aug. 22.
Instrument, Measuring. C. E. Barclay. 2,504,244, Apr. 18.
Instrument, Measuring. D. Kapuczin. 2,512,863, June 27.
Instrument, Measuring. H. J. Schnorbus. 2,519,508, Aug. 22.
Instrument mechanism, Internal permanent magnet electrical. M. E. Fogle. 2,518,609, Aug. 15.
Instrument, Medical. E. Myller. 2,514,665, July 11.
Instrument, Moisture measuring. E. A. Colman. 2,526,636, Oct. 24.
Instrument mounting. C. A. Boehm. 2,535,889, Dec. 26.
Instrument mounting. H. S. Pasturczak. 2,524,473, Oct. 3.
Instrument, Moving coil armature electrical. D. A. Young and L. J. Lunas. 2,508,439, May 23.
Instrument, Moving coil electrical. D. A. Young. 2,516,740, July 25.
Instrument, Moving coil electrical measuring. C. L. Freedman. 2,508,380, May 23.
Instrument, Moving coil measuring. L. J. Lunas. 2,508,410, May 23.
Instrument, Musical. M. C. Alexander. 2,529,584, Nov. 14.
Instrument, Musical. E. H. Alkire. 2,535,252, Dec. 26.
Instrument, Musical. C. C. Dargis. 2,534,417, Dec. 19.
Instrument, Musical. E. O. Fleury. 2,510,094, June 6.
Instrument, Musical. H. B. Grow. 2,509,429, May 30.
Instrument, Musical. E. Handler. 2,502,722, Apr. 4.
Instrument, Musical. L. M. Hartman. 2,532,226, Nov. 28.
Instrument, Musical. H. Horne. 2,525,134, Oct. 10.
Instrument, Musical. H. Horne. 2,529,693, Nov. 14.
Instrument, Musical. J. E. Legler. 2,504,547, Apr. 18.
Instrument, Musical. L. Luberoff. 2,530,252, Nov. 14.
Instrument, Musical. J. K. Mason. 2,494,251; Jan. 10.
Instrument, Musical. A. L. Notara. 2,494,485; Jan. 10.
Instrument, Musical. J. A. Oswald. 2,493,358, Jan. 3.
Instrument, Musical. J. Sjölander. 2,508,300, May 16.

Instrument, Musical. H. M. Stephenson. 2,511,302, June 13.
Instrument, Musical humming. J. Thompson. 2,513,600, July 4.
Instrument, Navigation. E. T. Molamphy. 2,505,624, Apr. 25.
Instrument, Navigational. G. Reber. 2,519,603, Aug. 22.
Instrument, Navigational. R. A. Schneider. 2,526,284, Oct. 17.
Instrument, Orthodontal. B. E. Smith. 2,532,200, Nov. 28.
Instrument panel. C. N. Shlenker. 2,518,726, Aug. 15.
Instrument panel assembly. K. M. Lederer. 2,495,531, Jan. 24.
Instrument panel illumination. P. J. Kayatt. 2,531,516, Nov. 28.
Instrument, Phase indicating. V. J. Clarke. 2,525,448, Oct. 10.
Instrument, Pinking. J. A. Salas. 2,527,082, Oct. 24.
Instrument, Potentiometer. J. A. Caldwell. 2,526,196, Oct. 17.
Instrument, Pressure sensitive moisture test. M. L. McBrayer. 2,532,929, Dec. 5.
Instrument, Pyrographic. M. Rapaport. 2,523,518, Sept. 26.
Instrument, Rate of load change measuring. J. J. Dwyer. 2,505,237, Apr. 25.
Instrument, Recording. G. W. Barnes, Jr., J. F. Goetz, and W. P. Wills. 2,508,592, May 23.
Instrument, Recording. J. A. Caldwell. 2,525,094, Oct. 10.
Instrument, Reflecting multiple sight line orientation. K. B. Radewald. 2,521,872, Sept. 12.
Instrument, Ruling or lining. H. M. McClure. 2,527,832, Oct. 31.
Instrument, Selectable scale electrical. C. W. Dalzell. 2,509,485, May 30.
Instrument, Setting-up. I. W. Peffers. 2,508,837, May 23.
Instrument, Shaving. J. D. Langdon. 2,512,656, June 27.
Insulated shipping container. W. L. Morrison. 2,526,036, Oct. 17.
Instrument, Strain measuring. O. E. Holt and C. A. Swenson. 2,522,117, Sept. 12.
Instrument, Strain measuring. L. D. Statham. 2,530,184, Nov. 14.
Instrument, String operated magnetoelectric musical. T. W. Mitchell. 2,528,663, Nov. 7.
Instrument, Stringed musical. J. B. Cousineau. 2,519,824, Aug. 22.
Instrument, Stringed musical. L. Dopyera. 2,497,116, Feb. 14.
Instrument, Stringed musical. H. M. Hise. 2,519,044, Aug. 15.
Instrument, Stringed musical. J. W. McBride. 2,499,194, Feb. 28.
Instrument, Stringed musical. R. M. Sullivan. 2,504,752, Apr. 18.
Instrument structure for portable testing voltmeters. O. A. Knopp. 2,501,725, Mar. 28.
Instrument supporting stand. R. Mooney. 2,508,122, May 16.
Instrument, Surgical cutting. H. B. Grover. 2,521,161, Sept. 5.
Instrument, Surveying. A. N. Brunson. 2,531,252, Nov. 21.
Instrument, Surveying. B. R. Coleman. 2,523,255, Sept. 19.
Instrument, Uniform scale electrical ratio. G. H. Fritzinger. 2,498,261, Feb. 21.
Instrument, Unitarily mounted electrical measuring. A. E. Le Van. 2,498,087, Feb. 21.
Instrument, Universal telephone. H. F. Obergfell. 2,494,450, Jan. 10.
Instrument, Vacuum testing. G. H. J. Baule. 2,512,134, June 20.
Instrument, Wheel alignment. R. A. Leach. 2,509,466, May 30.
Instrument with magnetic compensating shunts, Moving coil. V. S. Thomander. 2,513,900, July 4.
Instrument, Writing. G. Nilzawa. 2,509,837, May 30.
Instrument, Writing. A. F. O'Connor. 2,499,771, Mar. 7.
Instrument, Writing. K. S. Parker. 2,506,035, May 2.
Instrument, Writing. E. E. Schiesel. 2,505,211, Apr. 25.
Instrument, Writing. S. E. Townsend. 2,513,380, July 4.
Instrument, Writing. C. M. Tursky. 2,500,439, Mar. 14.
Insufflator. M. R. Fields. 2,507,702, May 16.
Insulated building block. J. B. Purinton. 2,518,640, Aug. 15.
Insulated electrical clip. W. H. Bailey. 2,522,810, Sept. 19.
Insulated storage container. J. A. Verheyden. 2,510,671, June 6.
Insulated thermostatic switch. C. W. Dalzell. 2,506,070, May 2.
Insulated wire suitable for high-temperature applications. J. Swiss. 2,516,030, July 18.
Insulating apparatus, Wire. F. P. Clambrone and E. W. Goral. 2,507,589, May 16.
Insulating blanket and forming the same. D. Jelinek and G. C. Frey. 2,526,870, Oct. 24.
Insulating bodies, Method and apparatus for the manufacture of. K. F. Greene. 2,503,041, Apr. 4.
Insulating column structure. J. L. McKibben. 2,509,009, May 23.
Insulating composition, Glass bonded. A. J. Monack. 2,529,566, Nov. 14.
Insulating electrical equipment. H. J. Kauth. 2,511,436, June 13.
Insulating head for electric cables under high pressure. G. Pouzet. 2,509,523, May 30.
Insulating hollow core conductors. C. A. Piercy and R. S. Kent. 2,531,156, Nov. 21.
Insulating material. J. C. Crawford, Jr. 2,520,914, Sept. 5.
Insulating material. R. F. Walter and W. J. Joyce, Jr. 2,514,170, July 4.
Insulating material from peat, Preparation of a heat. J. G. Helland and R. E. L. Moen. 2,529,335, Nov. 7.
Insulating material, Manufacturing. A. L. C. Delloye. 2,510,086, June 6.
Insulating materials and making, Heat. L. H. D. Fraser. Re. 23,228, May 9.
Insulating pad. O. R. Hoeltzel, W. S. Saville, and J. W. Larson. 2,495,636, Jan. 24.
Insulation and manufacture, High-temperature. H. C. Courtright. 2,500,665, Mar. 14.
Insulation composition for electrical devices. R. P. Lutz. 2,496,948, Feb. 7.
Insulation for magnetic material. F. J. Nagel and C. C. Horstman. 2,501,349, Mar. 21.
Insulation jacket for toilet tanks. F. D. Harrington. 2,527,418, Oct. 24.
Insulation of thermal vessels. L. G. Molique. 2,525,821, Oct. 17.
Insulation removing tool. H. J. Schwab. 2,511,015, June 13.
Insulation stripping mechanism. R. O. Peterson. 2,526,769, Oct. 24.
Insulator. A. Hansen, Sr., and R. R. Brown. 2,495,252, Jan. 24.
Insulator. W. E. Waelde. 2,498,869. Feb. 28.
Insulator. H. O. Wolf. 2,497,251, Feb. 14.
Insulator and holder, Two-part cable-clamping. M. Kaplan. 2,515,603, July 18.
Insulator and metallic clamping support, Combined. S. M. Duke. 2,519,827, Aug. 22.
Insulator assembly. E. S. Schmid. 2,502,756, Apr. 4.
Insulator, Cavity. C. H. Ripatte. 2,529,187, Nov. 7.
Insulator, Cookware handle. J. H. Le Rette. 2,522,579, Sept. 19.
Insulator, Electric. E. H. Pratt and R. C. Christie. 2,533,621, Dec. 12.
Insulator for wound core structures. G. R. Anderson. 2,502,068, Mar. 28.
Insulator pin. R. Case. 2,500,927, Mar. 21.
Insulator, Secondary and service rack. R. A. Loux, 2,517,221, Aug. 1.
Insulator, Standoff. K. Eriksen and C. W. Concelman. Re. 23,310, Dec. 19.
Insulator support. R. Case. 2,500,928, Mar. 21.
Insulator supporting bracket. L. J. Olivier. 2,519,694, Aug. 22.
Insulator, Vibration. N. Ivanovic. 2,510,979, June 13.
Intaglio or gravure printing plates, Making. W. H. Falconer and L. C. Estler. 2,532,701, Dec. 5.
Intake control for internal-combustion engines. M. Mallory. 2,506,512, May 2.
Intake manifold. L. M. Taylor. 2,506,180, May 2.
Integrated calcium silicate bodies, Making. N. S. Serinis. 2,534,303, Dec. 19.
Integrating apparatus, Electric. R. W. Landon. 2,518,797, Aug. 15.
Integrating circuit. W. B. Jones, Jr. 2,505,549, Apr. 25.
Integrating mechanism. L. A. Biehler. 2,533,710, Dec. 12.
Integrator and torque amplifier therefor. D. H. Nelson. 2,525,147, Oct. 10.
Integrator, Reversing acceleration. J. Rabinow. 2,496,310, Feb. 7.
Integrator using a motor with velocity feedback, Electric. F. C. Williams. 2,513,537, July 4.
Intensification of the image of diazotype light-sensitive layers. S. C. Slifkin. 2,523,882, Sept. 26.
Intensifying electronic images, Method and apparatus for. C. Chilowsky. 2,495,697, Jan. 31.
Interaction of hydroxymethyl siloxanes with hydrocarbon di-isocyanate. J. L. Speier, Jr. 2,527,590, Oct. 31.
Intercarrier television receiver circuit. R. B. Dome. 2,504,662, Apr. 18.
Interchangeable illuminated letter sign. H. R. Yates. 2,499,049, Feb. 28.
Intercommunicating apparatus. R. H. Campbell. 2,529,912, Nov. 14.
Intercommunicating system. K. I. B. Legerth. 2,512,834, June 27.
Intercommunicating system. A. Montani. 2,515,726, July 18.
Intercommunicating system. A. W. Vincent. 2,523,671, Sept. 26.
Intercommunication system. W. R. Koch. 2,501,820, Mar. 28.
Intercommunication system. W. R. Torn. 2,500,141, Mar. 7.
Intercommunication system. W. E. Wadsworth. 2,515,432, July 18.

Interconnecting and interlocking tubes or the like. P. C. Barton. 2,511,034, June 13.
Interconnecting arrangement between telephone systems of the Strowger and Rotary revertive control types. R. Taylor and G. T. Baker. 2,508,656, May 23.
Interconnecting device, Wave guide. W. Frear. 2,529,381, Nov. 7.
Interconnection device, Electrical. J. F. O'Brien and E. S. Boynton. 2,495,279, Jan. 24.
Interference eliminator, Radio pulse receiver. W. Todd. 2,512,699, June 27.
Interference reducing circuit. A. Miller. 2,500,994, Mar. 21.
Interference reducing method of secret communication. M. H. Shamos and I. S. Lowen. 2,531,951, Nov. 28.
Interferometer means for thickness measurements. J. H. Teeple and A. Strickler. 2,518,647, Aug. 15.
Interlock. E. B. Cain. 2,497,487, Feb. 14.
Interlock for quick fastening doors. F. M. Lambert. 2,500,000, Mar. 7.
Interlock, Mechanical. O. L. Taylor. 2,525,501, Oct. 10.
Interlock structure for postage printing machines. C. D. Ryan, F. P. Sager, H. L. Atherton and E. R. Bergmark. 2,521,023, Sept. 5.
Interlock switch. D. H. Knowlton. 2,499,958, Mar. 7.
Interlock system, Power supply. R. K. Lockhart. 2,514,079, July 4.
Interlocked control for the clamps and spindle of a radial drill or the like. C. E. Linden and F. O. Wetzel. 2,536,006, Dec. 26.
Interlocking device for preventing improper closing of a circuit breaker, Pneumatic. J. F. Chipman. 2,533,559, Dec. 12.
Interlocking folders. F. A. Whitfield. 2,499,436. Mar. 7.
Interlocking game board. L. J. Bisson. 2,497,341, Feb. 14.
Interlocking relay structure. W. Pfaff, C. D. Lake, and M. Fiehl. 2,510,604, June 6.
Intermediate fraction with solid adsorbents, Preparation of an. E. R. Gilliland. 2,529,289, Nov. 7.
Intermediate-pulverizing and mixing machine for chocolate masses. E. Cavalieri. 2,533,875, Dec. 12.
Intermediates suitable for conversion into nuclear substituted heterocyclic compounds, Preparing. H. R. Snyder and R. E. Jones. 2,504,896, Apr. 18.
Intermittent absorption refrigeration. C. C. Coons. 2,513,148, June 27.
Intermittent combustion spark ignition aircraft heater. G. Jacobs. 2,531,939, Nov. 28.
Intermittent feed mechanism for combustion chambers. R. H. Goddard. 2,523,012, Sept. 19.
Intermittent gear. J. G. Tappert. 2,512,696, June 27.
Intermittent, molten material, pressing machine. J. B. Sisson. 2,505,997, May 2.
Intermodulation meter. J. L. Hathaway. 2,520,766, Aug. 29.
Intermolecular condensation of HF-insoluble linear fused-ring polycyclic aromatic hydrocarbons. A. P. Lien. 2,525,809, Oct. 17.
Internal bracing for liquid storage tanks. F. L. Plummer. 2,533,041, Dec. 5.
Internal-combustion engine. W. A. Beck. 2,516,669, July 25.
Internal-combustion engine. R. L. Boyer. 2,506,566, May 9.
Internal-combustion engine. M. Brigaudet. 2,512,265, June 20.
Internal-combustion engine. K. M. Cloud. 2,504,499, Apr. 18.
Internal-combustion engine. H. N. Edens. 2,496,449, Feb. 7.
Internal-combustion engine. W. V. Falcon. 2,493,481, Jan. 3.
Internal-combustion engine. W. N. Fenney. 2,534,346, Dec. 19.
Internal-combustion engine. E. Ginn. 2,533,575, Dec. 12.
Internal-combustion engine. H. J. Hickey. 2,500,823, Mar. 14.
Internal-combustion engine. P. Klotsch. 2,511,823, June 13.
Internal-combustion engine. M. Mallory. 2,494,890, Jan. 17.
Internal-combustion engine. M. Mallory. 2,522,456, Sept. 12.
Internal-combustion engine. D. W. Morris. 2,507,923, May 16.
Internal-combustion engine. T. E. Quick. 2,511,992, June 20.
Internal-combustion engine. A. Taub. 2,506,250, May 2.
Internal-combustion engine. T. Veit. 2,520,378, Aug. 29.
Internal-combustion engine ported sealing-ring positioning means. W. Kasten. 2,534,029, Dec. 12.
Internal-combustion engine valve. P. A. Jennings. 2,496,245, Jan. 31.
Internal-combustion engine valve. P. A. Jennings. 2,496,248, Jan. 31.
Internal-combustion turbine engine. R. L. Moyer. 2,531,581, Nov. 28.
Internal gear pump. E. S. Witchger. 2,513,984, July 4.
Internal helical gear pump. F. C. Byram. 2,527,673, Oct. 31.
Internal helical gear pump. R. J. L. Moineau. 2,505,136, Apr. 25.

Internal pipe cutter. F. Reck. 2,508,539, May 23.
Internal radially acting hydraulic wheel brake. A. L. Gingrich. 2,531,677, Nov. 28.
Internal ring gas burner. W. E. Thompson. 2,531,015, Nov. 21.
Internal thread measuring gauge. R. Sachtleber. 2,509,886, May 30.
Internal wrench. N. R. Halvorsen. 2,518,886, Aug. 15.
Internally applied expanding gripping tool. J. and M. Shapiro. 2,497,633, Feb. 14.
Internally expanding brake. E. Zipper. 2,493,055, Jan. 3.
Interpolymer produced from polyhydric alcohol, polybasic acid, and interpolymer of vinylaromatic compound with drying oil or acid. E. W. Kanning, E. G. Bobalek, and E. G. Hart. 2,495,458, Jan. 24.
Interpolymerization. P. O. Tawney. 2,505,844, May 2.
Interpolymerization of styrene, alphamethylstyrene, and oxidized soyabean oil. H. M. Hoogsteen. 2,521,675, Sept. 12.
Interpolymers comprising acrylonitrile and N-substituted maleamic acids, Ternary. J. R. Caldwell. 2,533,204, Dec. 12.
Interpolymers of a styrene, an acrylonitrile, and a conjugated diolefin. B. M. Vanderbilt and F. Bascom. 2,527,162, Oct. 24.
Interpolymers of acrylamide and methacrylamide. G. D. Jones. 2,504,074, Apr. 11.
Interpolymers of acrylonitrile and fumarodinitrile. G. F. D'Alelio. 2,531,409, Nov. 28.
Interpolymers of acrylonitrile and itaconic acid. G. F. D'Alelio. 2,531,408, Nov. 28.
Interpolymers of allyl alcohol and alkyl diesters of an alpha-unsaturated dicarboxylic acid. P. O. Tawney. 2,507,871, May 16.
Interpolymers of aromatic vinyl hydrocarbons and oils, Manufacture of. W. T. Hammond. 2,509,495, May 30.
Interpolymers of carbon monoxide and preparing the same. M. M. Brubaker. 2,495,286, Jan. 24.
Interpolymers of diallyl esters of diethyl ether-dicarboxylic acids. C. R. Milone. 2,515,132, July 11.
Interpolymers of esters of azobisformic acid. R. M. Joyce, Jr. 2,507,718, May 16.
Interpolymers of fumaric esters and a chlorinated alkene. J. G. Kuderna, Jr., and R. H. Snyder. 2,498,084, Feb. 21.
Interpolymers of styrene, an allylic fumarate, and an allylic alcohol. P. O. Tawney. 2,526,434, Oct. 17.
Interpolymers of styrene, fumaric esters, and chlorinated alkenes. P. O. Tawney and J. G. Kuderna, Jr. 2,498,099, Feb. 21.
Interrupter. L. A. Cleaveland and F. H. Tooker. 2,496,376, Feb. 7.
Intervalometer. L. W. Gacki. 2,529,728, Nov. 14.
Intraoral fracture and orthodontic appliance. B. F. Toffiemire. 2,502,902, Apr. 4.
Intravenous needle immobilizer. W. J. Rousseau and M. Oliver. 2,533,961, Dec. 12.
Introducing bismuth into steel or iron baths. G. N. Kirsebom. 2,493,251, Jan. 3.
Introducing liquid fertilizer into irrigation streams. W. F. Aycock. 2,492,944, Jan. 3.
Invalid carrier. A. V. Goodnough. 2,524,314, Oct. 3.
Invalid carrier. G. A. Wallstrom. 2,523,891, Sept. 26.
Invalid equipment. J. G. Hausman. 2,495,968, Jan. 31.
Invalid handling apparatus. H. D. Cole. 2,516,553, July 25.
Invalid support. J. A. Friesen. 2,526,466, Oct. 17.
Invalid's high chair. M. Marder. 2,521,527, Sept. 5.
Inventory indicator. A. Geib. 2,533,883, Dec. 12.
Inversion of sucrose. W. A. Blann. 2,534,694, Dec. 19.
Inverter, Ignitron. J. T. Carleton. 2,523,094, Sept. 19.
Inverter system, Electrical. M. Rossnick. 2,502,671, Apr. 4.
Inverter system, Electrical. R. D. Rusk. 2,502,673, Apr. 4.
Investment compositions and producing refractory molds therefrom. I. E. Valyi. 2,521,614, Sept. 5.
Invoices or charge tickets, Method and machine for making. E. J. Hilton. 2,515,124, July 11.
Involute gear. C. O. Wingren. 2,509,660, May 30.
Iodinated hydroxyaryl-aryloxy-aliphatic acids and their thio analogs. D. Papa and E. Schwenk. 2,503,296, Apr. 11.
Iodinated 2-aminothiazole, Preparing. Y. Garreau. 2,493,399, Jan. 3.
Iodinating amino pyrimidines and amino pyridines. R. G. Shepherd. 2,521,544, Sept. 5.
Iodoanthanthrones, Preparation of. D. I. Randall. 2,504,088, Apr. 11.
Ion exchange material and making the same. S. H. Frohmader. 2,529,602, Nov. 14.
Ion exchange materials. G. R. Stroh. 2,515,142, July 11.
Ion exchange resins. C. G. Laube. 2,525,227, Oct. 10.
Ion exchange treatment of sugar solutions. D. W. Jordan. 2,528,058, Oct. 31.
Ion generator. J. G. Backus. 2,499,289, Feb. 28.
Ion generator. R. Loevinger. 2,499,320, Feb. 28.
Ion generators. D. Charles. 2,530,859, Nov. 21.
Ion source. L. D. P. King. 2,498,841, Feb. 28.

Ion source. L. P. Smith. 2,507,652, May 16.
Ion trap. R. G. E. Hutter. 2,531,050, Nov. 21.
Ionization chamber. J. K. East and S. G. English. 2,496,123, Jan. 31.
Ionization chamber. E. G. Segre and O. Chamberlain. 2,521,656, Sept. 5.
Ionization chamber, Alternating current. R. E. Fearon. 2,502,617, Apr. 4.
Ionization gauge. W. I. Relyea. 2,523,779, Sept. 26.
Ionization pressure gauge. M. L. Yeater. 2,519,807, Aug. 15.
Ionization system for gaseous conduction lamps. R. C. Beck. 2,513,396, July 4.
Ionized particle separator. L. P. Smith. 2,507,653, May 16.
Iron: *See*—
Branding iron.
Chair iron.
Cordless electric iron.
Cordless iron.
Electric iron.
Electric sealing iron.
Electrically heated soldering iron.
Flash type steam iron.
Hardenable cast iron.
High-silicon cast iron.
Removable-tip electric soldering iron.
Roll-type electric iron.
Side rest iron.
Soldering iron.
Steam electric iron.
Steam electric pressing iron.
Steam generating electric pressing iron.
Steam iron.
Waffle iron.
White cast iron.
Iron-alkali metal ferrate catalyst, Preparation of an. M. A. Mosesman. 2,503,964, Apr. 11.
Iron and alloy addition agent used in method, Production of cast. K. D. Millis, A. P. Gagnebin, and N. B. Pilling. 2,529,346, Nov. 7.
Iron and aluminum surfaces to receive organic coatings and solution therefor, Preparing. A. Douty and E. Snyder. 2,516,685, July 25.
Iron and iron elevating means, Electric. L. C. Tullgren and J. S. Bonkiewicz, Jr. 2,511,309, June 13.
Iron and stand, Cordless electric. H. Carp. 2,524,161, Oct. 3.
Iron articles and composition therefor, Durably finishing. A. W. Machlet. 2,529,345, Nov. 7.
Iron assembly, Puff. W. C. Glover, Jr. 2,501,628, Mar. 21.
Iron carbides, Preparation of. E. M. Cohn and L. J. E. Hofer. 2,535,042, Dec. 26.
Iron carbonyl, Stabilized. R. E. Christ. 2,514,312, July 4.
Iron castings, Gray. L. C. Crome. 2,515,822, July 18.
Iron control, Automatic soldering. L. J. Stephenson. 2,494,840, Jan. 17.
Iron cord holder. E. H. Blattner. 2,509,473, May 30.
Iron cores, Making. H. E. Oles. 2,510,598, June 6.
Iron hanger. S. Kravitz. 2,532,848, Dec. 5.
Iron holder. F. J. Larkins. 2,514,400, July 11.
Iron holder. R. Wiinikka. 2,517,953, Aug. 8.
Iron, Making gray cast. H. C. Griggs and L. J. Litalien. 2,494,238, Jan. 10.
Iron, Manufacture of sponge. M. H. Gwynn. 2,509,921, May 30.
Iron of improved electromagnetic properties, Pulverulent. H. Beller and G. O. Altmann. 2,508,705, May 23.
Iron ores, Reducing. R. A. Armitage. 2,502,501, Apr. 4.
Iron oxide, Reducing. C. R. Hayward and L. Wright. 2,508,515, May 23.
Iron pentacarbonyl and motor fuel containing the same, Stabilized. R. E. Christ. 2,493,712–17, Jan. 3.
Iron plug. L. Ludwig. 2,502,385, Mar. 28.
Iron powder, Making. M. F. W. Heberlein. 2,516,515, July 25.
Iron powder, Production of. H. H. Cudd and E. J. Freeman. 2,533,096, Dec. 5.
Iron, Producing nodular cast. O. Smalley. 2,527,037, Oct. 24.
Iron rest. L. C. Kopisch. 2,530,471, Nov. 21.
Iron rich in carbon, Producing cast. J. B. Deschamps and J. Bergier. 2,496,863, Feb. 7.
Iron storing rack. A. C. Morsch. 2,510,711, June 6.
Iron tip, Soldering. P. Robinson. 2,501,616, Mar. 21.
Iron with movable boiler, Steam. K. B. Dafforn and R. I. Huffman. 2,512,054, June 20.
Iron with signaling means, Electric. O. B. Sutton. 2,527,775, Oct. 31.
Iron with signaling means, Electric. E. A. Weiland. 2,527,779, Oct. 31.
Iron with wetting strip, Steam. E. G. Dahl. 2,530,116, Nov. 14.
Ironer. B. T. Stovers. 2,501,747, Mar. 28.
Ironer, Multiple. J. H. Leef. 2,500,992, Mar. 21.
Ironer roll cover. R. B. Baker. 2,499,015, Feb. 28.
Ironer, Shirt. S. G. Korotkin. 2,524,197, Oct. 3.
Ironing apparatus. J. H. Leef. 2,497,128, Feb. 14.
Ironing apparatus having a movable clothes pan. W. A. Johnston. 2,516,519, July 25.
Ironing apparatus, Textile. A. Berberian. 2,527,873, Oct. 31.
Ironing board. S. Jacowitz. 2,527,363, Oct. 24.
Ironing board. W. Lampiris. 2,506,459, May 2.
Ironing board and cabinet. G. H. Summers. 2,517,256, Aug. 1.
Ironing board and cabinet therefor. A. P. Lantz. 2,514,706, July 11.
Ironing board and pivotally supporting the same. A. P. Lantz. 2,514,707, July 11.
Ironing board and support therefor, Movably interfitted. A. P. Lantz. 2,514,708, July 11.
Ironing board cover. G. K. Pattison. 2,521,534, Sept. 5.
Ironing board leg mounting. L. L. Daugherty, Jr. 2,497,763, Feb. 14.
Ironing cord holder. B. T. Stovers. 2,506,246, May 2.
Ironing machine. H. L. Newell. 2,495,641, Jan. 24.
Ironing machine clutch mechanism. W. H. Bradley. 2,511,322, June 13.
Ironing machine, Glove. T. G. Boldizzoni. 2,511,455, June 13.
Ironing machine head construction. H. W. Kortum. 2,501,775, Mar. 28.
Ironing machine shoe coupling and emergency release means. F. M. Freis. 2,526,550, Oct. 17.
Ironing machine, Shoe welt, seam, and rib. J. P. Fredericksen. 2,496,341, Feb. 7.
Ironing machine with reciprocating ironing shoe. G. D. Conlee. 2,522,432, Sept. 12.
Ironing surface for electric irons. E. A. Weiland. 2,530,672, Nov. 21.
Ironing table. K. B. Olander. 2,524,923, Oct. 10.
Irreversible drive. C. J. Bergsma. 2,514,465, July 11.
Irrigating device, Colon. N. M. Dulity. 2,494,088; Jan. 10.
Irrigation device, Float controlled. S. E. Shaffer. 2,512,176, June 20.
Irrigation device, Garden. J. W. McCann. 2,521,238, Sept. 5.
Irrigation system. R. L. Wold. 2,527,047, Oct. 24.
Irrigation tube joint fastener. H. L. Yager. 2,499,048, Feb. 28.
Irrigator, Garden. F. C. Thames. 2,511,486, June 13.
Irrigator head. S. A. Hayes. 2,515,600, July 18.
Irrigator, Vaginal. J. A. Leu. 2,512,434, June 20.
Island strip support. J. M. Liptay. 2,512,108, June 20.
Isobutylene, Manufacture of. W. C. Offutt. Re. 23,254, Aug. 15.
Isobutylene, Manufacture of. W. C. Offutt. 2,498,999, Feb. 28.
Isobutylene production. C. T. Steele and E. A. Epps, Jr. 2,497,191, Feb. 14.
Isobutylene purification system. W. H. Rupp and J. W. Packie. 2,509,885, May 30.
Isocinchomeronic acid by oxidation of 2,5-dialkylpyridine with concentrated nitric acid. L. A. Burrows and H. H. Herring, Jr. 2,524,957, Oct. 10.
Isolating mannite. N. A. Sörensen and K. Kristensen. 2,516,350, July 25.
Isolating quercitrin. F. De Eds and A. N. Booth. 2,534,250, Dec. 19.
Isolating sterols. D. E. Whyte. 2,528,025, Oct. 31.
Isolation of an isomeric form of benzene hexachloride. J. K. Hay and K. C. Webster. 2,502,258, Mar. 28.
Isolation of low-methoxyl pectins. H. S. Owens, R. M. McCready, and W. D. Maclay. 2,496,306, Feb. 7.
Isolation of pectinic acids. H. S. Owens and H. Lotzkar. 2,522,534, Sept. 19.
Isolation of stigmasterol. E. B. Hershberg and A. Kutner. 2,520,143, Aug. 29.
Isolation of usnic acid. J. B. Stark and E. D. Walter. 2,522,547, Sept. 19.
Isolation of xylene isomers. D. M. Mason. 2,530,978, Nov. 21.
Isolator, Vibration. E. Pietz. 2,515,422, July 18.
Isomelamines, Chlorinated. D. E. Nagy and D. W. Kaiser. 2,498,217, Feb. 21.
Isomeric polychloropyrazines and preparation thereof. J. K. Dixon, A. A. Miller, and J. F. Bruesch. 2,524,431, Oct. 3.
Isomerization of fatty oils. S. B. Radlove. 2,501,851, Mar. 28.
Isomerization of hydrocarbons. J. M. Mavity. 2,501,071, Mar. 21.
Isomerization of hydrocarbons. H. J. Passino. 2,513,103, June 27.
Isomerization of light hydrocarbons. B. H. Shoemaker and B. L. Evering. 2,504,280, Apr. 18.
Isomerization of light naphtha. B. H. Gwynn and C. W. Montgomery. 2,530,875, Nov. 21.
Isomerization of normal pentane. B. H. Gwynn and C. W. Montgomery. 2,530,874, Nov. 21.
Isomerization of secondary aralkyl phenols. R. I. Dunlap, Jr., 2,514,347, July 4.
Isomerization process. J. Hoekstra. 2,502,565, Apr. 4.
Isomerizing para alkyl phenols to ortho alkyl phenols. W. A. Schulze and J. E. Mahan. 2,516,152, July 25.
Isomers of phthaloyl chloride. N. Rabjohn. 2,525,722, Oct. 10.
Isononanes, Production of. F. L. Howard and D. B. Brooks. 2,512,649, June 27.
Isophorone imines. V. E. Haury and S. A. Ballard. 2,535,922, Dec. 26.
Isophthalic acid, Preparation of. W. G. Toland, Jr. 2,531,172, Nov. 21.
Isopropyl alcohol from propylene, Manufacture of. J. Howlett and W. L. Wood. 2,533,808, Dec. 12.
Isopropyl amines, Preparation of. E. D. Crittenden. 2,504,807, Apr. 18.

Isopropyl palmitate solution of lanolin cosmetic. J. R. Verblen. 2,498,727, Feb. 28.
Isosafrol-formaldehyde-alkyl hydroxy ether reaction product as pyrethrin synergist. O. F. Hedenberg. 2,520,930, Sept. 5.
Item counter for computing machines. R. E. Boyden and W. A. Parsons. 2,527,241, Oct. 24.
Jack: *See*—

Adjustable trestle jack.
Body jack.
Bumper jack.
Cable or chain jack.
Carloading jack.
Ceiling board jack.
Centering lift jack.
Double-acting hydraulic jack.
Hydraulic bumper jack.
Hydraulic jack.
Hydraulic lifting jack.
Ladder jack.
Lift jack.
Lifting jack.
Pipe jack.
Pneumatic jack.
Power pump jack.
Pump jack.
Railway car jack.
Roll-on jack.
Scissors jack.
Shoe jack.
Stationary safety jack.
Trailer jack.
Vehicle bumper jack.
Vehicle hitch jack.
Vehicle jack.

Jack. M. Frimet. 2,503,328, Apr. 11.
Jack. T. Hanrahan. 2,506,081, May 2.
Jack. D. Light and J. H. Pack, Sr. 2,520,686, Aug. 29.
Jack. C. J. Roos. 2,510,717, June 6.
Jack. K. H. Stuck and H. L. Topping. 2,515,744, July 18.
Jack. P. E. Wallace. 2,530,138, Nov. 14.
Jack and lubricated bearing means therefor. E. S. Fields. 2,506,634, May 9.
Jack construction, Hydraulic. E. P. Grime. 2,503,478, Apr. 11.
Jack for positioning matched planking. R. Williamson. 2,518,586, Aug. 15.
Jack for pumps and the like, Power. R. T. Cruikshank. 2,534,428, Dec. 19.
Jack for removing cylinder heads from bus type engines. A. P. Braun. 2,505,823, May 2.
Jack for sole pressing machines. C. F. Fitzgerald. 2,504,191, Apr. 18.
Jack inflatable by exhaust of automobiles, Pneumatic. J. H. Cox and R. L. Miller. 2,495,092, Jan. 17.
Jack rest for vehicle frames. L. W. Simons. 2,511,950, June 20.
Jackscrew and hydraulic cylinder for machine tools, Combination. M. Turchan and C. Walker. 2,508,587, May 23.
Jack stick connector. W. E. Lundgren. 2,522,625, Sept. 19.
Jack support. L. F. Cooper. 2,517,286, Aug. 1.
Jack system, Automobile hydraulic. R. F. Beaudoin. 2,507,879, May 16.
Jack top. M. L. H. Dell. 2,500,666, Mar. 14.
Jack with two lifting phases, Toggle link. A. Niederhauser. Re. 23,278, Oct. 3.
Jacking structure for towers. E. A. Campbell. 2,530,807, Nov. 21.
Jacket, Bed. H. E. Kephart and G. H. Thomas. 2,504,534, Apr. 18.
Jacket, Convertible. T. C. Harry. 2,535,205, Dec. 26.
Jacket for auto drain valves, Heating. C. C. Camden, Jr., and W. O. Camden. 2,518,863, Aug. 15.
Jacket for maternity dresses. B. H. Eason. 2,522,023, Sept. 12.
Jacket for molds, Pouring. H. R. Street. 2,498,015, Feb. 21.
Jacket for pipe joints of wet strings. W. H. Endsley. 2,505,282, Apr. 25.
Jacket for reading in bed. D. W. Sherman. 2,523,636, Sept. 26.
Jacket for wrapping fowl and similar edibles. H. B. Weber. 2,518,406, Aug. 8.
Jacket, Heat dissipating. G. L. Usselman and L. L. Young. 2,513,828, July 4.
Jacket, Hose. W. J. Ferris. 2,508,241, May 16.
Jacket, Hospital. I. M. Coven. 2,528,340, Oct. 31.
Jacket, Life. R. E. Starn. 2,535,874, Dec. 26.
Jacket, Mold. R. J. Hines. 2,507,158, May 9.
Jacket, Open out bed. E. L. Winkler. 2,528,630, Nov. 7.
Jacket with removable lining. C. S. Lapedes. 2,534,978, Dec. 19.
Jamming device, Radio. H. Wilkie. 2,498,731, Feb. 28.
Jar. L. W. Storm. 2,499,695, Mar. 7.
Jar and tumbler cap lifting and removing tool. E. G. Boucher. 2,493,438, Jan. 3.
Jar cap wrench. F. R. Chester. 2,503,471, Apr. 11.
Jar clamp. F. R. Jackson. 2,535,210, Dec. 26.
Jar cover lifter. H. E. Knight. 2,518,555, Aug. 15.
Jar lid wrench. W. Barclay. 2,496,262, Feb. 7.
Jar lifter. A. C. Reece. 2,493,314, Jan. 3.
Jar lifter. L. A. Wieland. 2,522,243, Sept. 12.
Jar top straightener and tightener, Fruit. C. G. Jockisch. 2,505,859, May 2.
Jaw adjustment for chucks. A. E. Church. 2,513,284, July 4.
Jaw for meter boxes and the like, Reversible. E. G. Johansson. 2,534,449, Dec. 19.
Jaw support. G. A. Swendiman. 2,507,617, May 16.
Jelly compositions, Pectin. C. W. Kaufman. 2,533,471, Dec. 12.
Jet-adjusting means. W. B. Pope. 2,503,684, Apr. 11.
Jet casting arrow. E. Fitzharris. 2,531,418, Nov. 28.
Jet for stokers, Over fire air. W. M. Schweickart. 2,512,571, June 20.
Jet power unit mounting. H. L. Bowers and R. A. Wolf. 2,516,671, July 25.
Jet propulsion apparatus, Aspirator compressor type. H. J. D. McCollum. 2,502,332, Mar. 28.
Jet propulsion engine. R. E. Guthier. 2,508,673, May 23.
Jet propulsion for ships, Hydraulic. J. F. Hedden. 2,534,817, Dec. 19.
Jet propulsion outboard motor. R. M. Flanagan. 2,528,354, Oct. 31.
Jet propulsion system, Liquid fuel. L. A. Skinner. 2,505,798, May 2.
Jet propulsive means for aircraft employing boundary layer air or other air with gas turbine power plants. E. A. Stalker. 2,516,489, July 25.
Jets, Production of spinning. G. Schneider. 2,496,961, Feb. 7.
Jewel, Costume. D. G. Henry. 2,526,134, Oct. 17.
Jewel-setting tool. L. Rigney. 2,532,423, Dec. 5.
Jewelry. C. S. and I. Schoolman. 2,526,087, Oct. 17.
Jewelry, Sectional. V. A. Mazurk. 2,514,885, July 11.
Jig. W. B. Ellwood. 2,523,903, Sept. 26.
Jig. D. L. Graham and J. Richards. 2,528,511, Nov. 7.
Jig. W. Hayes. 2,502,840, Apr. 4.
Jig. M. Mascolo. 2,498,693, Feb. 28.
Jig, Boat hull assembly. M. A. Hall. 2,522,037, Sept. 12.
Jig, Dowelling. B. L. Polkosnik. 2,522,400, Sept. 12.
Jig for connecting rods. L. E. Lapointe and L. J. Gaudet. 2,520,249, Aug. 29.
Jig for electroplating, Magnetic. W. B. Ellwood. 2,505,531, Apr. 25.
Jig for inside and outside calipers, Gauging and setting. J. Mitchell. 2,521,934, Sept. 12.
Jig for molds, Insert applying. O. Brummer and E. F. Heimbuch. 2,534,948, Dec. 19.
Jig for multiple spindle machines, Work holding. J. L. Jonke. 2,506,424, May 2.
Jig for typewriter carriage guide brackets, Aligning. B. F. Wilson. 2,517,268, Aug. 1.
Jig for use in shaping tubular and the like stock. T. E. Legge. 2,508,614, May 23.
Jig, Ore. F. A. Beauchamp. 2,524,036, Oct. 3.
Jig, Ore concentrating. V. O. Glover. 2,523,364, Sept. 26.
Jig, Reamer sharpening. H. R. Lentz. 2,503,396, Apr. 11.
Jig, Welding. A. G. Parker. 2,495,758, Jan. 31.
Jigging apparatus for separating divided solids. A. C. Daman. 2,518,451, Aug. 15.
Jogger, Paper. C. S. Weyandt. 2,494,075; Jan. 10.
Jogging assembly for packaging machines. R. E. O'Dwyer. 2,523,540, Sept. 26.
Joining component parts of plastic articles. G. L. Leithiser, Jr. 2,502,860, Apr. 4.
Joining frame. R. S. MacCaffray, Jr. 2,525,749, Oct. 10.
Joining hollow members. R. E. Medford. 2,503,882, Apr. 11.
Joining metals. O. R. Carpenter and N. C. Jessen. 2,515,191, July 18.
Joining of carbon bodies to other bodies. C. D. Greaves and W. D. C. Walker. 2,512,230, June 20.
Joining pieces of plastic. A. M. Andrews. 2,500,053, Mar. 7.
Joining thick sheets of polyethylene. H. Romeyn, Jr., and W. Ferrell. 2,520,737, Aug. 29.
Joint: *See*—

Adjustable-angle pivot-type rod joint.
Balanced thrust swivel joint.
Ball joint.
Binding strip joint.
Carline roof joint.
Combination sleeve and ball joint.
Compact ultra high frequency energy-confining rotating joint.
Compromise joint.
Constant velocity joint.
Corner joint.
Doll joint.
Electric joint.
Electrode joint.
Expansion joint.
Expansion rail joint.
Fluid tight joint.
Frame structure joint.
Hinge joint.
Knee joint.
Knuckle joint.
Leakproof joint.
Motor vehicle antiwear and antirattle joint.
Multiring standard taper ground glass joint.
Pipe joint.
Pneumatic conveyer tube joint.
Pressure pipe joint.
Quick detachable swivel joint.
Quick-disconnect duct joint.
Railway bridge joint.
Revolving joint.
Roof flashing and pipe joint.
Rotary joint.
Rotatable steam joint.
Rotatable wave guide joint.
Safety joint.
Safety pipe joint.
Self-packing pipe joint.
Slide joint.
Smoking pipe stem joint.
Socket joint.
Steam joint.
Swing joint.
Swivel joint.
Telescopic joint.
Tight threaded joint.
Timber joint.
Tool joint.
Tube joint.
Union and expansion joint.
Universal and slip joint.
Universal joint.
Wood joint.

Joint. F. N. Bard. 2,531,020, Nov. 21.
Joint. R. C. Henshaw. 2,509,145, May 23.
Joint. S. P. Hull. 2,529,697, Nov. 14.

Joint. W. L. McGrath. 2,506,728, May 9.
Joint. C. F. Ponty. 2,520,221, Aug. 29.
Joint and flexible universal joint, Flexible. F. H. Rohr. 2,502,753, Apr. 4.
Joint and termination for electric power cables. E. C. Lee. 2,523,313, Sept. 26.
Joint assembly. M. P. Graham. 2,533,928, Dec. 12.
Joint assembly unit, Steering arm. W. A. Flumerfelt. 2,495,959, Jan. 31.
Joint between a glass object and a metal object which have mutually different coefficients of expansion, Producing a gas-tight. E. G. Dorgelo and H. J. Lemmens. 2,508,233, May 16.
Joint between resilient sheet material parts. W. Cookson. 2,522,097, Sept. 12.
Joint between structural members of buildings. M. E. Haines. 2,495,966, Jan. 31.
Joint construction. S. C. Carter. 2,501,313, Mar. 21.
Joint construction. W. A. Flumerfelt. 2,496,869, Feb. 7.
Joint coupling. A. W. Ernestus. 2,517,391, Aug. 1.
Joint for arms for electric lights, Swivel. S. T. Cederborg. 2,513,144, June 27.
Joint for artificial body members. E. Schwarzkopf. 2,509,317, May 30.
Joint for artificial legs or leg braces, Hydraulic knee. T. H. Coe, Jr. 2,519,226, Aug. 15.
Joint for coaxial cables, Rotatable. C. L. Rouault. 2,519,933, Aug. 22.
Joint for concrete slab road pavements, Sealed. J. E. Carter. 2,508,443, May 23.
Joint for electric cable systems. C. E. Bennett. 2,493,909; Jan. 10.
Joint for expansible frames, Adjustable. D. A. Eberhardt. 2,504,188, Apr. 18.
Joint for hand tools, Universal. J. B. Adams. 2,526,105, Oct. 17.
Joint for handling steam or the like, Swivel. D. C. Warren. 2,512,883, June 27.
Joint for heat exchangers, Expansion. C. E. Lucke. 2,512,748, June 27.
Joint for metal tubing, Sound and vibrationproof. A. Boschi. 2,504,634, Apr. 18.
Joint for multiple feeds, Radio frequency rotating. A. S. White and W. H. Rhodes. 2,523,348, Sept. 26.
Joint for pipe sections or the like. J. S. Page. 2,509,363, May 30.
Joint for pistons, Tight. Jean and Jerome Rodoliakis. 2,531,296, Nov. 21.
Joint for radio wave guide systems, Rotatable. S. Roberts. 2,513,205, June 27.
Joint for rotary furnaces, Expansion sealing. H. G. M. Cartoux. 2,521,342, Sept. 5.
Joint for use between the parts of an electric cable system, Fluid-tight. E. L. Davey and F. R. Credland. 2,530,153, Nov. 14.
Joint of metal construction rods, Contact. R. Husák. 2,511,532, June 13.
Joint or spring lock swivel, Separable swivel. J. J. Kashergen. 2,499,649, Mar. 7.
Joint runner, Soil pipe. L. H. Thomas. 2,501,484, Mar. 21.
Joint structure between underframe and side wall subassemblies of railway cars. A. G. Dean. 2,504,656, Apr. 18.
Joint structure for thin-walled tubing. A. C. Arbogast. 2,512,294, June 20.
Joint structure for track chains, Master. W. W. Henning. 2,517,429, Aug. 1.
Jointer, Rolling. A. Wikkerink. 2,501,557, Mar. 21.
Jointing and gluing machine. A. Fischer-Schmutz. 2,504,673, Apr. 18.
Jointing composition, Preparing a. A. T. B. P. Squires. 2,523,731, Sept. 26.
Jointing compounds and the production thereof. A. T. B. P. Squires. 2,523,730, Sept. 26.
Joints, Making cable. W. C. Kleinfelder and D. T. Sharpe. 2,509,929, May 30.
Jolting device for molding machines, Shockless. H. J. Rothschild. 2,533,959, Dec. 12.
Jordan plug. D. E. Jones. 2,514,547, July 11.
Journal bearing. A. Buchi. 2,510,549, June 6.
Journal bearing lubricator. G. H. Massy. 2,534,045, Dec. 12.
Journal bearing with deflectors, Grease lubricated. R. P. Kapp and C. W. Knisely. 2,503,442, Apr. 11.
Journal box. A. O. Buckius. 2,502,555, Apr. 4.
Journal box. A. O. Buckius and D. Willison. 2,533,917, Dec. 12.
Journal box dust guard, Railway. J. J. Hennessy. 2,532,449, Dec. 5.
Journal box lid. N. H. Arnold. 2,532,436, Dec. 6.
Journal lubricator. J. J. Hennessy. 2,499,096, Feb. 28.
Journal lubricator. R. J. Shanahan and M. D. Pattullo. 2,518,645, Aug. 15.
Jug, Dry cooler vacuum. J. C. Zolot. 2,504,916, Apr. 18.
Juice catcher, Pie pan. A. Vredenburg. 2,501,799, Mar. 28.
Juice extraction apparatus and method. G. Cahill. 2,533,350, Dec. 12.
Juice extractor. H. C. Johnson. 2,511,984, June 20.
Juice extractor. L. W. Van Dusen. 2,518,650, Aug. 15.
Juicer, Automatic orange. R. E. Hewlett. 2,515,772, July 18.
Juicer, Citrus fruit. R. Polk, Sr., and R. Polk, Jr. 2,533,139, Dec. 5.
Juicing machine. F. L. McCulloch. 2,528,533, Nov. 7.
Jumping stick, Mechanical. R. J. Mays. 2,510,509, June 6.
Junction box. J. G. Ammells. 2,528,989, Nov. 7.
Junction box. H. L. Bush. 2,529,133, Nov. 7.
Junction box assembly. F. A. Lasserre. 2,533,673, Dec. 12.
Junction for coupling a plurality of wave guide sections. P. E. Gilmer and C. T. Samek. 2,506,418, May 2.
Junction for submarine cables, Flexible. G. Pouzet. 2,509,524, May 30.
Justification indicator. W. T. Hodson. 2,509,924, May 30.
Jute fiber-coating resinous material and making same. W. B. Canfield. 2,527,057, Oct. 24.
Juvenile furniture music box. E. Mueller and H. Rauschenbach. 2,519,782, Aug. 22.
Kaleidoscope, Mechanical. H. B. Grow. 2,494,239; Jan. 10.
Keel, Detachable sailing. H. A. Geisler. 2,521,212, Sept. 5.
Keeper. F. B. Payne. 2,533,396, Dec. 12.
Keeping hot propylene glycol noncorrosive to metals. F. C. Taylor, Jr. 2,517,734, Aug. 8.
Kelly handling device. W. A. Pitts. 2,535,546, Dec. 26.
Kennel, Collapsible canine. O. H. Geib. 2,498,411, Feb. 21.
Kerchief retainer. J. I. Kuntz. 2,516,999, Aug. 1.
Ketene-aldehyde modified alkyd mixed esters. L. Shechter and J. M. Whelan, Jr. 2,534,307, Dec. 19.
Ketene-aldehyde modified oils. L. Shechter and J. M. Whelan, Jr. 2,534,306, Dec. 19.
Ketenes, Preparation of. B. E. Sorenson. 2,513,825, July 4.
Keto alcohols, Production of aromatic. H. Pines and B. Kvetinskas. 2,495,904, Jan. 31.
Ketocholanic acids, Preparation of. R. H. Sifferd. 2,521,755, Sept. 12.
Ketoesters, Production of. E. C. Ladd. 2,533,944, Dec. 12.
Ketotetrahydropyridine derivatives and hydroxypyridine derivatives, Manufacture of. F. Bergel and A. Cohen. 2,493,520, Jan. 3.
Ketones by catalytic reaction of diolefins with aldehydes, Preparation of. E. C. Ladd. 2,517,685, Aug. 8.
Ketones by catalytic reaction of ethylene and aldehydes, Preparation of. C. H. Stiteler and J. R. Little. 2,517,732, Aug. 8.
Ketones by catalytic reaction of olefins with aldehydes. E. C. Ladd. 2,517,684, Aug. 8.
Ketones from secondary alcohols, olefinic compounds, and carbon monoxide. W. F. Gresham and R. E. Brooks. 2,526,742, Oct. 24.
Ketones, Producing. J. R. Coley. 2,516,958, Aug. 1.
Ketones, Sulfurized unsaturated. F. P. Otto and R. E. Meyer. 2,520,101, Aug. 22.
Keyboard, Auxiliary. W. E. Walker. 2,535,178, Dec. 26.
Keyboard for calculating machines. R. E. Boyden. 2,495,832, Jan. 31.
Keyboard for electrically controlled accounting or card punching machines. K. A. Knutsen. 2,523,768, Sept. 26.
Keyboard for mechanical shorthand writing machines. L. Holmes, Jr. 2,505,046, Apr. 25.
Keyboard, Practice. J. S. Tatnall. 2,525,188, Oct. 10.
Key case. F. O. McPherson and C. G. Gunderson. 2,517,500, Aug. 1.
Keycase, Flexible. L. Simon. 2,493,554, Jan. 3.
Key container. E. K. Longan. 2,525,748, Oct. 10.
Key container. C. J. Zimmerman. 2,493,330, Jan. 3.
Key controlled tumbler lock. F. K. Heyer. 2,505,494, Apr. 25.
Key controlled type selection. T. A. Keen. 2,524,387. Oct. 3.
Key, Cotter. J. A. MacLean, Jr., and B. F. Money. 2,510,897, June 6.
Key fastener. G. A. Hagan. 2,517,480, Aug. 1.
Key-frame for key-operated musical instruments. L. M. Martin. 2,530,832, Nov. 21.
Key for saxophones, Offset auxiliary high F. J. Arnold. 2,522,424, Sept. 12.
Key for shafts, Locking. H. P. Stevens. 2,497,634, Feb. 14.
Key for split stem watches, Bench. L. D. Cozart. 2,519,439, Aug. 22.
Key for the repair of cracked metal castings. O. C. Scarberry. 2,523,595, Sept. 26.
Key holder. C. M. Ballou. 2,527,491, Oct. 24.
Key holder. R. T. Barber. 2,513,135, June 27.
Key holder. F. De Cesaris. 2,531,325, Nov. 21.
Key holder. W. R. Doss and C. J. Hogue. 2,514,940, July 11.
Key holder. A. N. Hanna. 2,508,024, May 16.
Key holder. J. Mullan. 2,505,987, May 2.
Key holder. R. Schupbach. 2,527,457, Oct. 24.
Key holder. K. A. Valentine. 2,534,151, Dec. 12.
Key identification holder. W. Goldsmith. 2,533,006, Dec. 5.
Key identification means. W. F. Rothe. 2,529,815, Nov. 14.
Keylock mechanism, Antipick. C. Lurtz. 2,528,964, Nov. 7.

Keylock structure, Threaded. F. W. Coffing. 2,519,023, Aug. 15.
Key locking mechanism for keyboard controlled machines. C. Chisholm. 2,506,703, May 9.
Key mechanism for typewriting machines, Silent. J. F Koca. 2,515,779, July 18.
Key, Metal repair. J. C. Murphy. 2,506,233, May 2.
Key ring. T. M. Jablon. 2,522,516, Sept. 19.
Key ring. C. H. Kraft. 2,499,591, Mar. 7.
Key winder and casing for dispensing contents of collapsible tubes. H. C. Morris and J. Jacques. 2,530,476, Nov. 21.
Keyed oscillator circuit. H. F. Mayer. 2,495,115, Jan. 17.
Keyer for direct current restoration, Electronic. K. R. Wendt. 2,525,106, Oct. 10.
Keying circuit. T. R. Burnight and J. F. Clark, Jr. 2,533,219, Dec. 12.
Keying device, Electronic. H. Beecher. 2,517,538, Aug. 8.
Keying of high-frequency oscillators. D. H. Priest. 2,524,175, Oct. 3.
Keying stage, Frequency shift. G. L. Usselman. 2,494,321; Jan. 10.
Keying system. M. W. Rosen. 2,493,778; Jan. 10.
Keyless cutoff box. R. B. Johnson. 2,511,209, June 13.
Keystoning circuit. W. J. Ostreicher. 2,534,557, Dec. 19.
Killing weeds. W. C. Klingel. 2,531,276, Nov. 21.
Kiln. V. J. Azbe. 2,532,077, Nov. 28.
Kiln. F. King. 2,512,899, June 27.
Kiln. H. Phillips. 2,518,636, Aug. 15.
Kiln, Cross circulation. L. H. Love. 2,505,414, Apr. 25.
Kiln, Electrically heated tunnel. G. N. Jeppson. 2,534,518, Dec. 19.
Kiln for chemical and metallurgical processes, Rotary. W. K. Sproule, C. E. Young, and R. L. Snitch. 2,507,123, May 9.
Kiln, Multiple tunnel. A. B. Agnew. 2,504,484, Apr. 18.
Kiln structure. J. T. Robson. 2,525,101, Oct. 10.
Kiln, Tunnel. G. N. Jeppson, E. Van der Pyl, and W. L. Howe. 2,519,250, Aug. 15.
Kiln, Tunnel. G. F. Wilde. 2,507,076, May 9.
Kinescope for simultaneously picking up an object and presenting an image. H. O. Marcy, 3rd. 2,520,507, Aug. 29.
Kit, Artists' materials. B. R. Migdow. 2,511,537, June 13.
Kit, Embroidery thread. M. E. Beardsley. 2,497,653, Feb. 14.
Kit, Fingernail touch-up. E. P. Fraser and G. F. Holtz. 2,504,677, Apr. 18.
Kit for overhead type valves. F. R. Good. 2,525,791, Oct. 17.
Kit having two tableclosures providing multiple seals, Camp. R. S. Davis. 2,497,156, Feb. 14.
Kit, Hunter's. A. J. Heider. 2,505,492, Apr. 25.
Kit, Insulated lunch. J. E. and S. I. Hetzler. 2,511,710, June 13.
Kit removably insertable into a purse or the like, Carrying. S. T. Conwiser. 2,529,724, Nov. 14.
Kit, Sales presentation. C. S. Sullivan. 2,497,826, Feb. 14.
Kit, Shaving. H. W. Bauder. 2,503,898, Apr. 11.
Kit, Shoe polishing. F. W. Knight. 2,529,163, Nov. 7.
Kit, Toilet. C. J. Eduard. 2,498,664, Feb. 28.
Kit, Utensil. W. J. Forest. 2,516,458, July 25.
Kit with slidably mounted tools. L. R. Foster and J. O. Foster. 2,519,559, Aug. 22.
Kitchen tool. M. Schumacher. 2,505,917, May 2.
Kite. R. M. Cox. 2,508,747, May 23.
Kite. A. J. Frey. 2,507,777, May 16.
Kite. F. H. Ohland. 2,519,594, Aug. 22.
Kite. E. M. Whitehurst. 2,524,500, Oct. 3.
Kite. E. N. Winslow. 2,530,641, Nov. 21.
Kite. B. B. Wisney. 2,520,704, Aug. 29.
Kite, Airplane type. A. J. Tomczyk and M. C. Spreitzer. 2,493,704, Jan. 3.
Kite attachment, clip, auxiliary retainer, and release mechanism. J. Wolf. 2,522,422, Sept. 12.
Kite construction. R. J. Fugate. 2,518,768, Aug. 15.
Kite, Fishing. H. L. Gross. 2,502,944, Apr. 4.
Kite, Rotatable airfoil. J. C. Donaldson. 2,501,442, Mar. 12.
Kite, Rotating. J. R. Carnwath. 2,494,430, Jan. 10.
Knapsack. H. Adlerstein. 2,517,757, Aug. 8.
Kneader and mixer, Continuously operating. H. List. 2,505,125, Apr. 25.
Knee joint. L. G. Caron. 2,509,586, May 30.
Knife. A. E. Allen. 2,502,404, Mar. 28.
Knife. A. Tempe. 2,518,838, Aug. 15.
Knife. H. E. Zurcher. 2,513,905, July 4.
Knife case. C. W. Kendrick. 2,528,059, Oct. 31.
Knife case. A. A. Perry and C. E. Brown. 2,495,866, Jan. 31.
Knife, Citrus fruit. G. Andree. 2,521,622, Sept. 5.
Knife, Corn. A. D. Grisso. 2,534,666, Dec. 19.
Knife, Fish cleaning. N. L. Oates. 2,526,150, Oct. 17.
Knife for cutting yarn on quills, Rotary. A. A. Hasler and J. Pfister. 2,525,097, Oct. 10.
Knife for lawn mowers, Bed. E. H. Worthington. 2,496 973, Feb. 7.
Knife for meat tenderizing machines. L. E. Moree and H. K. Leonard. 2,518,562, Aug. 15.
Knife, Fowl-slaughtering. C. M. Cervin. 2,512,089, June 20.
Knife, Fruit. H. T. and L. E. Orr. 2,528,166, Oct. 31.
Knife, Glazing. J. Porter. 2,528,911, Nov. 7.
Knife, Grafting. H. E. Wolfe. 2,533,657, Dec. 12.
Knife, Grapefruit. S. W. Ayers. 2,520,082, Aug. 22.
Knife guiding assembly, Frozen meat cutter M. H. Teskey. 2,495,394, Jan. 24.
Knife handle. C. W. Ahmer. 2,517,158, Aug. 1.
Knife having a handle grooved for finger rests, Paring. A. B. Bell. 2,520,355, Aug. 29.
Knife-moistening means for cutting machines. C. P. Stevenson and L. J. Ulrich. 2,526,779, Oct. 24.
Knife, Paraffin. C. C. and G. W. Westerman. 2,506,530, May 2.
Knife, Pocket. E. C. Erickson. 2,530,236, Nov. 14.
Knife sharpening apparatus for food slicing machines. G. R. Wood. 2,531,184, Nov. 21.
Knife, Sportsman's. P. R. Alexander. 2,496,840, Feb. 7.
Knife, Sportsman's. R. P. Frye. 2,496,707, Feb. 7.
Knife tobacco cutting machine, Rotary. D. W. Molins, F. F. Ruau, and G. Dearsley. 2,535,692, Dec. 26.
Knife, Trash. F. W. Johnson. 2,519,766, Aug. 22.
Knife with reversible blade. C. S. Johnson. 2,507,019, May 9.
Knitted fabric. N. Levin. 2,515,720, July 18.
Knitted pile fabric. W. A. Rice. 2,531,718, Nov. 28.
Knitted product and method of forming. C. F. Schuessler. 2,506,745, May 9.
Knitted structure and producing said structure. W. P. Crawley. 2,529,541, Nov. 14.
Knitting. S. C. Mack. 2,507,532, May 16.
Knitting accessory. V. Beirer. 2,524,157, Oct. 3.
Knitting guide and knitting. S. J. Samuels. 2,511,947, June 20.
Knitting head for knitting machines. B. W. Lerch. 2,520,010, Aug. 22.
Knitting machine. J. L. Buchanan. 2,509,032, May 23.
Knitting machine. W. Granov. 2,521,786, Sept. 12.
Knitting machine. C. F. Miller. 2,508,834, May 23.
Knitting machine. A. L. Oberholtzer. 2,506,968, May 9.
Knitting machine. R. Peberdy. 2,495,543, Jan. 24.
Knitting machine. S. Saftlas. 2,531,649, Nov. 28.
Knitting machine. A. Shortland. 2,530,790, Nov. 21.
Knitting machine. A. S. Staff. 2,534,184, Dec. 12.
Knitting machine. G. H. Woolley. 2,529,207, Nov. 7.
Knitting machine. M. Zimic and A. Miskovsky. 2,493,054, Jan. 3.
Knitting machine and method. R. C. Amidon. 2,508,209, May 16.
Knitting machine and method. E. F. Miller. 2,525,704, Oct. 10.
Knitting machine and operation, Warp. W. D. Kellogg, R. F. Eshleman, and W. T. Morris. 2,506,645. May 9.
Knitting machine, Circular. P. A. Brooks. 2,525,586, Oct. 10.
Knitting machine, Circular. A. R. Ellis. 2,527,534, Oct. 31.
Knitting machine, Circular. F. R. Page. 2,503,838, Apr. 11.
Knitting machine, Circular. C. W. Perkins. 2,498,447, Feb. 21.
Knitting machine, Circular, independent needle. B. Stevens, Jr. 2,535,991, Dec. 26.
Knitting machine, Manually operated. J. Michalinsky. 2,523,225, Sept. 19.
Knitting machine of the independent needle type, Circular. E. V. Stibbe and B. Smith. 2,495,872, Jan. 31.
Knitting machine pattern control mechanism and operating the machine. H. E. Haehnel. 2,516,514, July 25.
Knitting machine, Straight. E. J. Berger and H. K. West. 2,519,875, Aug. 22.
Knitting machine, Straight-bar. U. Pianta. 2,514,350, July 4.
Knitting machine, Warp. R. Bassist. 2,529,241, Nov. 7.
Knitting machine, Warp. F. C. Sorton. 2,533,061, Dec. 5.
Knitting machine, Warp. L. te Strake. 2,505,372, Apr. 25.
Knitting machine with air cleaner, Circular. R. H. Lawson. 2,522,183, Sept. 12.
Knitting machinery. J. Fontaine. 2,504,316, Apr. 18.
Knitting means, Universal. J. Fontaine. 2,496,204, Jan. 31.
Knitting or utility bag handle. H. Miller. 2,513,040, June 27.
Knob assembly. F. A. Cole. 2,496,700, Feb. 7.
Knob assembly, Door. H. Roberts. 2,517,240, Aug. 1.
Knob device, Control. G. E. Atkins and E. D. Mead. 2,502,915, Apr. 4.
Knob for auto door latches. J. A. Rook. 2,512,440, June 20.
Knob, Safety. J. G. Schramm. 2,501,008, Mar. 21.
Knob spindle securing means. C. P. Wicks. 2,520,669, Aug. 29.
Knob, Star hand. D. T. Haines. 2,496,714, Feb. 7.
Knob structure. E. J. Williams. 2,507,392, May 9.
Knockdown box. E. T. Hunter. 2,515,007, July 11.
Knockdown chair. E. F. Cenis. 2,534,413, Dec. 19.
Knockdown chair. G. E. Evans. 2,514,125, July 4.
Knockdown chair. G. J. Gunshor. 2,509,638, May 30.
Knockdown chair. A. A. Stelzer. 2,518,955, Aug. 15.
Knockdown display stand. K. D. Mowrer and C. N. Jackson. 2,498,908, Feb. 28.

Knockdown metal table. C. P. Molla. 2,521,596, Sept. 5.
Knockdown shipping container. L. W. Bauer. 2,520,303, Aug. 29.
Knockdown table. J. C. La Rue. 2,524,198, Oct. 3.
Knockdown table. C. P. Molla. 2,533,831, Dec. 12.
Knocker, Door. J. Starp. 2,523,158, Sept. 19.
Knot and rope instruction board. E. J. Duhaime. 2,505,279, Apr. 25.
Knotting mechanism for spiral-spring forming machines. S. Barsanti. 2,504,792, Apr. 18.
Knuckle joint. R. M. Berger. 2,527,787, Oct. 31.
Knurling tool holder. E. L. Weaver. 2,494,073; Jan. 10.
Label activating and applying apparatus. G. W. von Hofe, E. E. Lakso, and A. S. Chandler. 2,525,741, Oct. 10.
Label affixing machine. S. T. Carter. 2,495,207, Jan. 24.
Label and record set. F. C. Doepke. 2,506,015, May 2.
Label applying machine. L. Oskow. 2,523,389, Sept. 26.
Label applying mechanism. G. W. von Hofe and H. A. Nefzger. 2,525,504, Oct. 10.
Label attaching mechanism for wrapping machines. J. W. Smith. 2,507,683, May 16.
Label-cutting machine. E. J. Hubelmeyer. 2,501,334, Mar. 21.
Label feeding machine. G. W. von Hofe. 2,530,670, Nov. 21.
Label feeding mechanism. W. Hoppe. 2,518,011, Aug. 8.
Label pasting mechanism with variable throw label pickup and transfer means. F. Elsner. 2,520,628, Aug. 29.
Label picking mechanism. R. A. Clark, Jr. 2,511,566, June 13.
Label-stitching machine. S. A. Lahmer. 2,525,916, Oct. 17.
Label, Textile. C. Jordan. 2,531,631, Nov. 28.
Label transfer means for labeling machines. S. T. Carter. 2,503,799, Apr. 11.
Labeler with neck label gauge, Bottle. P. L. Chelle. 2,497,344, Feb. 14.
Labeling fabrics, Method and apparatus for. T. F. Schlicksupp. 2,516,487, July 25.
Labeling machine. H. F. Caldwell. 2,528,856, Oct. 7.
Labeling machine. C. Holm. 2,503,872, Apr. 11.
Labeling machine. J. Magnusson. 2,506,963, May 9.
Labeling machine. J. D. McClatchie. 2,495,174, Jan. 17.
Labeling machine. G. Olm. 2,505,062, Apr. 25.
Labeling machine. R. J. Newman and D. S. Friend. 2,513,511, July 4.
Labeling machine and method using labels coated with thermoactivatable adhesive. G. W. von Hofe. 2,524,946, Oct. 10.
Labeling machine, Article. P. E. Fischer and E. Ardell. 2,498,667, Feb. 28.
Labeling machine for cylindrical bottles and like articles. S. E. Banks. 2,509,902, May 30.
Labeling machine, Panel. C. H. Neer. 2,509,517, May 30.
Labeling machine with suction label feed means. N. F. Armstrong and J. A. Tweddell. 2,503,989, Apr. 11.
Lace loom. R. A. and C. A. Kennedy. 2,535,579, Dec. 26.
Lacquer, Brushing. G. Klinkenstein. 2,506,223, May 2.
Lacquer finishes, Production of dull. A. Dowbiggin. 2,523,946, Sept. 26.
Lacquer, Ski. T. A. Dissel and I. L. Newell. 2,494,531, Jan. 17.
Lactalbumin, Manufacture of. E. C. Scott and G. W. McDonald. 2,497,420, Feb. 14.
Lactalbumin, Purifying. W. E. Truce. 2,494,148; Jan. 10.
Lactone acids and derivatives thereof. H. Wolff and W. W. Moyer. 2,493,375, Jan. 3.
Lactones from etiobilienic acid. G. A. Grant and C. Von Seemann. 2,508,786, May 23.
Lactones, Preparation of. C. W. Smith. 2,526,702, Oct. 24.
Ladder. M. J. Batelja. 2,518,745, Aug. 15.
Ladder. C. E. Nyberg and R. T. Larson. 2,510,515, June 6.
Ladder. A. T. Race, Jr. 2,511,077, June 13.
Ladder and storage means therefor, Collapsible jointed. O. W. Allen. 2,513,835, July 4.
Ladder and storage means therefor, Fire escape. A. A. McCall. 2,534,202, Dec. 12.
Ladder attachment. E. Otterson. 2,503,351, Apr. 11.
Ladder bracket. H. G. Sloss. 2,503,137, Apr. 4.
Ladder bracket. C. S. and B. W. Lombard. 2,496,057, Jan. 31.
Ladder bracket for scaffolds. C. F. Hansen. 2,522,821, Sept. 19.
Ladder, Combination step and wall. C. J. Miller. 2,533,391, Dec. 12.
Ladder, Elevator platform. C. W. Ringler. 2,499,973, Mar. 7.
Ladder, Emergency fire escape. P. Thonney. 2,518,839, Aug. 15.
Ladder extension. R. C. Mayberry. 2,503,626, Apr. 11
Ladder, Foldable. J. H. Hardie. 2,508,915, May 23.
Ladder foot. H. F. Husted. 2,496,539, Feb. 7.
Ladder for railroad cars. G. L. Miller. 2,502,228, Mar. 28.
Ladder jack. Z. J. Jagiel. 2,535,291, Dec. 26.
Ladder leg, Adjustable. W. S. Young. 2,500,333, Mar. 14.
Ladder lock. F. W. Moore. 2,498,375, Feb. 21.
Ladder, Portable. E. Boggs. 2,505,750, May 2.
Ladder, Railway car door. G. P. Tornburn. 2,517,811, Aug. 8.
Ladder, Safety. N. N. Boggs, E. Colgrove, and F. W. Walters. 2,507,396, May 9.
Ladder, Safety. W. D. McKinley. 2,535,544, Dec. 26.
Ladder, Sectional. A. W. Eddy. 2,517,991, Aug. 8.
Ladder, Venetian blind. J. L. Hunter and T. Martin. 2,533,584, Dec. 12.
Lading impact absorber. G. W. Rydner and R. T. Collins. 2,494,004; Jan. 10.
Ladle, Automatic electrical soldering. J. R. Taft. 2,502,764, Apr. 4.
Ladle-handling mechanism. H. G. Wellman. 2,507,583, May 16.
Ladle having tap rod raising and lowering mechanism with laterally adjustable actuating lever, Bottom tap foundry. W. W. Reed. 2,493,594, Jan. 3.
Lady's handbag frame. S. Giordano. 2,522,263, Sept. 12.
Lagging for use on belt pulleys. W. H. Harrison. 2,533,456, Dec. 12.
Laminar structure. L. E. Daly. 2,498,652–3, Feb. 28.
Laminate, E. L. Shaw. 2,511,816, June 13.
Laminated bearing. F. J. Williams. 2,494,023; Jan. 10.
Laminated electric condenser. A. Liechti. 2,528,597–8, Nov. 7.
Laminated product. H. W. Mohrman. 2,534,617, Dec. 19.
Laminated product and making same. G. S. Willey and K. S. Ruthman. 2,495,043, Jan. 17.
Laminated products and producing the same. F. J. Sowa. 2,502,286, Mar. 28.
Laminated reactor. W. F. Koubek. 2,494,180; Jan. 10.
Laminated structure, Grained. W. T. Donahue. 2,496,122, Jan. 31.
Laminates and polymers of alkenyl esters of arylphosphonic acids. A. D. F. Toy. 2,497,637, Feb. 14.
Laminating machine and method. F. P. Allard. 2,523,410, Sept. 26.
Laminating metal foil. R. S. Reynolds. 2,529,884, Nov. 19.
Laminating starch-free resin sized fabrics. H. M. Chase and H. Y. Jennings. 2,525,476, Oct. 10.
Laminating walls. F. Hobbs. 2,531,128, Nov. 21.
Lamination. L. A. Gruenwald. 2,509,494, May 30.
Lamination assembly. C. Lynn. 2,512,351, June 20.
Lamp: *See*—
Arc lamp.
Battery operated fluorescent lamp.
Concealed bed lamp.
Desk type lamp.
Diagnostic lamp.
Electric discharge lamp.
Electric lamp.
Electric safety lamp.
Extensible cord lamp.
Flash lamp.
Fluorescent electric lamp.
Fluorescent sign lamp.
Focusing electric lamp.
Gas discharge lamp.
Glow discharge lamp.
Head lamp.
Instantaneous starting electric lamp.
Ornamental lamp.
Portable desk lamp.
Portable lamp.
Temperature calibrated metal vapor discharge lamp.
Tubular electric lamp.
Utility lamp.
Vehicle signal lamp.
Lamp. E. Dore. 2,499,469, Mar. 7.
Lamp. D. A. Gross. 2,510,819, June 6.
Lamp. F. Oppenheimer. 2,528,969, Nov. 7.
Lamp. W. Salad. 2,524,638, Oct. 3.
Lamp and alarm clock, Combined bed. W. H. Krueger. 2,527,940, Oct. 31.
Lamp and baker, Therapeutic. P. C. Daugert. 2,535,393, Dec. 26.
Lamp and circuit, Instant start. W. S. Frohock. 2,513,091, June 27.
Lamp and circuit therefor, Arc. D. Reichinstein. 2,508,192, May 16.
Lamp and circuit therefor, Electric discharge. F. G. A. Haegele. 2,526,559, Oct. 17.
Lamp and head lamp, Combined fog. W. P. Olinger. 2,502,880, Apr. 4.
Lamp and lens, Adjustable portable. M. C. Carlson. 2,526,729, Oct. 24.
Lamp applying and removing device, Incandescent. E. W. Penn. 2,526,084, Oct. 17.
Lamp assembly, Rotatable head. H. A. Thompson. 2,512,817, June 27.
Lamp attachment, Vehicle head. T. J. Wronkowski. 2,499,555, Mar. 7.
Lamp base. D. J. Vaughan. 2,515,747, July 18.
Lamp base and ring therefor. J. B. Whitmore and L. D. Morand. 2,519,328, Aug. 15.
Lamp bulb holder. W. R. Kopp. 2,500,364, Mar. 14.
Lamp combination, Glow. W. D. Stahl and F. V. Collins. 2,525,624, Oct. 10.
Lamp device for doctors, Forehead. H. Gellman. 2,517,422, Aug. 1.
Lamp filament joints, Method and apparatus for making. A. H. Weber. 2,534,540, Dec. 19.
Lamp fixture, Fluorescent. T. Ketelsen. 2,521,228, Sept. 5
Lamp flare holder. S. J. Gartner and E. W. Barrett. 2,535,630, Dec. 26.
Lamp for attachment to batteries, Hand. A. P. Sauer. 2,510,321, June 6.
Lamp for motor vehicles, Safety signal. L. B. Martin, H. W. Eberle, and G. H. Fengel. 2,508,071, May 16.
Lamp for vehicles, Ornamental. F. W. Sherwood. 2,525,001, Oct. 10.

Lamp for vehicles, Repair and warning. A. R. Sparaco. 2,503,974, Apr. 11.
Lamp guard, Hinged. C. L. Jones. 2,533,812, Dec. 12.
Lamp holder. E. B. Noel. 2,494,897, Jan. 17.
Lamp holder and safety switch, Universal. E. D. Drake. 2,522,103, Sept. 12.
Lampholder for elongated fluorescent lamps. R. H. Williams. 2,513,126, June 27.
Lamp mounting. H. R. Gross. 2,504,327, Apr. 18.
Lamp operation, Exciter. R. C. Curtis and S. J. Martin. 2,496,273, Feb. 7.
Lamp or similar device and manufacture, Electric. A. Greiner. 2,497,545, Feb. 14.
Lamp pedestal and dancing doll, Combination. W. R. MacDonald. 2,526,886, Oct. 24.
Lamp shade and making the same. E. K. and R. W. Madan. 2,496,482, Feb. 7.
Lamp shade and manufacture. D. R. Yeidel. 2,516,286, July 25.
Lamp shade and socket for elongated tubular lamps, Combined. V. I. Zelov. 2,529,122, Nov. 7.
Lamp shade, Embroidered. E. H. Hoke. 2,511,798, June 13.
Lamp shade holder. P. Chilo. 2,495,209, Jan. 24.
Lamp starting apparatus, Fluorescent. J. H. Hilderink. 2,503,908, Apr. 11.
Lamp stems, Manufacture of. W. J. Knochel and C. Wiener. 2,535,582, Dec. 26.
Lamp system, Electrical flash. A. F. Henninger. 2,516,209, July 25.
Lamp system, Negative reactance. C. P. Boucher and R. W. Keiser. 2,496,981, Feb. 7.
Lamp unit, Photographic. E. B. Noel. 2,501,405, Mar. 21.
Lamp with blackening collector, Electric. I. H. van Horn. 2,494,916, Jan. 17.
Lamp with switch operated by lamp movement, Electric. R. Cortés. 2,523,818, Sept. 26.
Lamp with switch operated by lamp movement, Electrical wall. H. M. Jensen and W. B. Young. 2,535,421, Dec. 26.
Lamps, Making electric discharge. R. L. Breadner, H. G. Jenkins, and C. H. Simms. 2,494,857, Jan. 17.
Lamps, Manufacture of electric incandescent. L. Wittek. 2,509,259, May 30.
Land and air vehicle. R. H. Fish, Jr. 2,494,547, Jan. 17.
Land clearing machine combined with tooth cleaner, Curved tooth roller type. E. C. Wade. 2,509,463, May 30.
Land mine. L. K. Liljegren. 2,514,401, July 11.
Land packer. L. G. Bergquist. 2,503,317, Apr. 11.
Land scraper, Hydraulically operated. H. D. Engler. 2,528,046, Oct. 31.
Landing aircraft and other objects by parachute. R. Hart. 2,509,496, May 30.
Landing device for paratroopers, Shock absorbing. T. B. Hall. 2,519,458, Aug. 22.
Landing gear for aircraft, Automatic leveling retractable elongated. G. Sievers. 2,502,802, Apr. 4.
Landing gear for aircraft, Speed equalizing. G. Sievers. 2,522,141, Sept. 12.
Landing mechanism for rotary wing aircraft. H. T. Pentecost. 2,515,380, July 18.
Landing system, Blind. R. J. McElhannon. 2,502,974, Apr. 4.
Landing system for aircraft, Altitude corrected. J. D. Peterson. 2,532,936, Dec. 5.
Landscape testing and demonstrating apparatus. R. R. Metz. 2,508,925, May 23.
Lantern, Collapsible safety. V. L. Gill. 2,517,197, Aug. 1.
Lantern, Electric. L. Broshears. 2,529,910, Nov. 14.
Lantern having interchangeable lenses, Projecting. C. F. Dutton. 2,512,314, June 20.
Lantern, Headlight. C. S. Packer and M. R. Olsen. Re. 23,193. Jan. 31.
Lantern holder. L. D. Soditch and M. O. Scott. 2,508,974, May 23.
Lantern, Multiple head electric. H. F. Emigh. 2,524,435, Oct. 3.
Lantern, Portable battery operated fluorescent hand. J. A. Bar. 2,533,910, Dec. 12.
Lantern, Portable electric. C. S. Packer and M. R. Olsen. 2,502,169, Mar. 28.
Lantern with writing pad attachment, Portable electric. R. L. Botensten. 2,528,416, Oct. 31.
Lapboard for ironing machines. A. H. Gerhardt. 2,498,545, Feb. 21.
Lapping arm. H. S. Indge. 2,502,381, Mar. 28.
Lapping machine. E. Dickinson. 2,530,424, Nov. 21.
Lapping machine. M. Ramsay. 2,495,600, Jan. 24.
Lapping machine, Automatic screw thread. A. M. Drake. 2,493,573, Jan. 3.
Lap winding machine. O. W. Schlums. 2,502,894, Apr. 4.
Lariat. L. D. Sweetman. 2,503,567, Apr. 11.
Last. J. A. Rubico. 2,528,082, Oct. 31.
Last block centering apparatus. H. F. Loewer and O. S. Porter. 2,535,433, Dec. 26.
Last for shoes. J. E. Mackay. 2,497,363, Feb. 14.
Last for use in the manufacture of safety shoes. W. G. Greenan. 2,498,037, Feb. 21.
Lasting machine. C. W. Baker. 2,516,942, Aug 1.
Lasting machine. S. E. Frampton. 2,516,970, Aug. 1.
Lasting machine. E. A. Holmgren. 2,503,487, Apr. 11.
Lasting machine. L. G. Miller. 2,505,134, Apr. 25.
Lasting machine for stitchdown shoes, End. F. C. Choice and C. H. James. 2,524,882, Oct. 10.
Lasting Machine, Force. J. W. Pratt. 2,514,512, July 11.
Lasts. S. P. Lovell. 2,521,072, Sept. 5.
Latch: *See*—

Barn door latch.	Locker latch.
Brake pedal latch.	Meeting rail latch.
Burial vault latch.	Night latch.
Casket latch.	Panel latch.
Compartment door latch.	Refrigerator door latch.
Damper latch.	Remote-control latch.
Door latch.	Roller latch.
Flush handle door latch.	Safety latch.
Gate latch.	Tail gate latch.
Hood latch.	Touch latch.
Lifting gate latch.	Window latch.

Latch. L. L. Anderson and R. E. Johnson. 2,507,847, May 16.
Latch. A. C. Bradshaw. 2,525,642, Oct. 10.
Latch. G. Hagstrom. 2,505,858, May 2.
Latch. G. Holland. 2,510,019, May 30.
Latch. A. H. Kuriloff. 2,499,828, Mar. 7.
Latch. A. F. Lickteig. 2,507,860, May 16.
Latch. H. D. Sevison. 2,523,727, Sept. 26.
Latch. C. B. Shreve. 2,506,943, May 9.
Latch. B. R. Thiele. 2,527,202, Oct. 24.
Latch. L. Toth. 2,529,748, Nov. 14.
Latch. W. U. Vinton. 2,502,607, Apr. 4.
Latch adapted for handbags and the like, Safety. R. Marogg. 2,534,783, Dec. 19.
Latch and connector, Combined. O. Kubatzky. 2,518,992, Aug. 15.
Latch and interlock, Door. O. H. Beymer and W. H. Nesbit. 2,521,498, Sept. 5.
Latch and lock. A. Newell. 2,535,947, Dec. 26.
Latch and lock. R. S. Wagner and A. J. Duwe. 2,504,364, Apr. 18.
Latch and lock, Combined door. D. C. Smith and L. I. Oblinger. 2,529,230, Nov. 7.
Latch and lock for locker doors. R. R. Hiler. 2,518,141, Aug. 8.
Latch and lock for swinging gates, Combined. L. D. James. 2,510,178, June 6.
Latch and mask engaging means for rectilinearly moving members. J. G. Bone. 2,498,356, Feb. 21.
Latch and stop, Camera shutter trigger. H. T. Hodges. 2,500,034, Mar. 7.
Latch arm for door fasteners, Detachable. S. B. Haseltine. 2,529,606, Nov. 14.
Latch bolt keeper. J. H. Roethel. 2,499,165, Feb. 28.
Latch construction. A. N. Dedricks. 2,499,818, Mar. 7.
Latch for adjustable back chairs. P. H. Mersinger. 2,494,348; Jan. 10.
Latch for automobile baggage compartments, Cover. R. L. Stevenson. 2,497,102, Feb. 14.
Latch for automobile doors, Safety. H. M. Jarrett. 2,529,340, Nov. 7.
Latch for automotive vehicle doors. B. J. Craig. Re. 23,292, Nov. 7.
Latch for barbed wire machines, Reel mandrel bushing. E. L. Ax and J. A. Jackson. 2,521,321, Sept. 5.
Latch for carriage and translating device of phonographs. R. C. Van Camp. 2,520,290, Aug. 29.
Latch for contactors. O. L. Taylor. 2,523,163, Sept. 19.
Latch for doors. H. E. D. Baker. 2,503,315, Apr. 11.
Latch for doors, Deadlocking spring. C. Aspenwall, V. C. Smith, and W. Mathias. 2,517,378, Aug. 1.
Latch for photographic shutters, Toggle rebound. C. W. Pribus. 2,514,669, July 11.
Latch for pressure cookers, Safety. C. C. Schweiso and J. N. Polivka. 2,526,050, Oct. 17.
Latch for pruning shears. R. E. Herr. 2,508,790, May 23.
Latch for tail gates. E. T. Newell. 2,505,425, Apr. 25.
Latch for telephone sets, Housing. C. E. Erickson. 2,495,164, Jan. 17.
Latch for windows. H. L. Hawkins, Sr. 2,529,020, Nov. 7.
Latch means. G. E. Dath. 2,533,360, Dec. 12.
Latch means for automobiles, Safety. E. L. Schofield. 2,494,672, Jan. 17.
Latch means for door fasteners, Detachable. S. B. Haseltine. 2,507,786, May 16.
Latch mechanism. F. Gerson. 2,493,624, Jan. 3.
Latch mechanism, Cam-operated. E. S. Giffin. 2,528,746, Nov. 7.
Latch mechanism, Door locking. C. D. McDonald. 2,512,804, June 27.
Latch mechanism for textile spindles. J. K. Cochran. 2,497,865, Feb. 21.
Latch mechanism, Safety. J. Wagner. 2,518,207, Aug. 8.
Latch opener. R. Epstein. 2,534,584, Dec. 19.
Latch operated clutch. V. Chmelař. 2,510,497, June 6.
Latch operated clutch. E. Laxo. 2,502,859, Apr. 4.
Latch release system, Automatic door. M. L. Thomas, Sr. and M. L. Thomas, Jr. 2,509,542, May 30.
Latch structure, Door. F. M. Lambert. 2,493,882; Jan. 10.
Latch structure for merchandise receptacles. W. A. Schneeman. 2,530,543, Nov. 21.
Latch to prevent rebound in camera shutter leaves, Impact. C. C. Fuerst. 2,533,450, Dec. 12.

Latch tripping mechanism. H. W. Sanford. 2,522,197, Sept. 12.
Latching device. C. Lomholt. 2,510,122, June 6.
Latching device. H. J. McDermott. 2,497,267, Feb. 14.
Latching device. R. H. Morrow. 2,502,168, Mar. 28.
Latching device, Door. C. A. Fox. 2,497,026, Feb. 7.
Latching device, Self-aligning. R. K. Nottingham. 2,535,153, Dec. 26.
Latching device with stamped catch. R. K. Nottingham. 2,493,016, Jan. 3.
Latching means, Dump door. G. B. Dorey. 2,502,833, Apr. 4.
Latching means for cribs, Drop side. H. W. Neunherz. 2,514,668, July 11.
Latching means for hose nozzle valves. J. A. Logan and E. V. Lavallee. 2,528,696, Nov. 7.
Latching means for trailers. G. C. Francis. 2,495,449, Jan. 24.
Latching means, Paper dispenser. C. M. Lance. 2,523,123, Sept. 19.
Latching mechanism for bladed tools. J. Vosbikian. 2,504,766, Apr. 18.
Latching mechanism for electric switches. T. B. Jochem, E. W. Seeger, and P. T. Severson. 2,495,330, Jan. 24.
Latching mechanism for firearms, Operating rod. J. C. Garand. 2,499,378, Mar. 7.
Latching mechanism for telephone sets. O. A. Shann. 2,518,385, Aug. 8.
Latching mechanism, Tone arm. A. C. Matthews. 2,525,926, Oct. 17.
Lateral drill. W. W. Detrick. 2,529,246, Nov. 7.
Lateral motion resistance and centering device. A. J. Villano. 2,500,586, Mar. 14.
Lateral moving table leg fastener. F. E. H. Ohlsson. 2,520,810, Aug. 29.
Laterally swingable flush valve. H. F. Smith. 2,520,574, Aug. 29.
Latex articles, Producing. F. Lepetit. 2,511,722, June 13.
Latex creaming in the presence of dibasic sodium phosphate. E. Schmidt. 2,495,141, Jan. 17.
Latex, Preparing coagulable. F. Chassaing. 2,519,887, Aug. 22.
Lath, Tobacco. P. E. H. Droemer. 2,494,379; Jan. 10.
Lathe. E. Bugatti. 2,494,797, Jan. 17.
Lathe. G. A. Kendall. 2,499,509, Mar. 7.
Lathe. R. Kurzweil and J. J. Pesqueira. 2,526,487, Oct. 17.
Lathe. J. J. Pesqueira. 2,494,196; Jan. 10.
Lathe and drill press bearing, Combination woodworking. W. F. Taylor. 2,517,608, Aug. 8.
Lathe attachment. H. Dunn. 2,516,305, July 25.
Lathe attachment, Cam-making. V. J. Meany. 2,520,607, Aug. 29.
Lathe, Automatic. A. Bechler. 2,498,783, Feb. 28.
Lathe, Automatic. G. E. Cuttat. 2,530,813, Nov. 21.
Lathe, Bark removing. G. Haumann. 2,534,671, Dec. 19.
Lathe control. M. Culkosky. 2,522,779, Sept. 19.
Lathe control, Automatic. F. A. Fritzsch. 2,497,302, Feb. 14.
Lathe control movement. G. E. Cuttat. 2,493,621, Jan. 3.
Lathe control system. R. L. Dorn. 2,502,078, Mar. 28.
Lathe dog. J. M. Rolland. 2,505,007, Apr. 25.
Lathe for shoe lasts, Automatic copying. L. E. Topham and C. L. Knott. 2,531,590, Nov. 28.
Lathe machine. F. R. Francis. 2,495,927, Jan. 31.
Lathe, Multiple crankpin turning. F. S. Floeter. 2,531,616, Nov. 28.
Lathe or screw machine, Automatic. C. E. Miller. 2,506,515, May 2.
Lathe, Portable. J. B. Peters. 2,518,929, Aug. 15.
Lathe, Portable turning. C. W. Tydeman. 2,519,087, Aug. 15.
Lathe tool. E. B. Whigam. 2,533,254, Dec. 12.
Lathe tool bit container. N. J. Tyll. 2,527,161, Oct. 24.
Lathe tool support. E. E. Johnson. 2,524,170, Oct. 3.
Lathe turret controller, Automatic. E. Bodner. 2,525,856, Oct. 17.
Lathe, Veneer. G. Haumann. 2,501,387, Mar. 21.
Lather dispenser. A. L. Bobrick. 2,515,328, July 18.
Lathermaking machine. E. M. Brown. 2,510,955, June 13.
Lathermaking machine and making lather. E. M. Brown. 2,517,539, Aug. 8.
Lather-producing device. R. Miller. 2,532,565, Dec. 5.
Lather producing machine. A. B. Campbell. 2,495,441, Jan 24.
Launcher, Magazine rocket. L. Motley. 2,517,333, Aug. 1.
Launcher, Rocket. P. E. Lloyd. 2,515,051, July 11.
Launching apparatus, Model airplane. H. L. Mikolajczyk. 2,499,666, Mar. 7.
Launching device, Airplane. W. Nelson. 2,493,013, Jan. 3.
Launching or discharging equipment for signaling. M. Dwyer and C. M. Tsang. 2,505,950, May 2.
Launching or towing device. H. J. Stambaugh. 2,497,916, Feb. 21.
Laundering. G. Kuhn. 2,516,327, July 25.
Laundry drier. J. R. Moore. 2,506,516–17, May 2.
Laundry drying rack. E. H. Prager. 2,532,938, Dec. 5.
Laundry machine. L. M. Kahn. 2,528,594, Nov. 7.
Laundry machine having rockable tubs. J. F. Horvath. 2,520,685, Aug. 29.
Laundry machine having vertically reciprocable tub. J. F. Horvath. 2,499,025, Feb. 28.
Laundry rack. C. L. Pandele. 2,520,371, Aug. 29.
Laundry sorting apparatus. J. G. Mackechnie, Jr. 2,518,036, Aug. 8.
Lavatory. W. Maguire. 2,504,271, Apr. 18.
Lavatory and like for articulated beds. R. R. Freund. 2,498,736, Feb. 28.
Lavatory for articulated beds, Adjustable. R. R. Freund. 2,532,706, Dec. 5.
Lavatory leg assembly. W. F. Vanderbeek. 2,535,613, Dec. 26.
Lawn edge cutter. H. Abrons. 2,494,223; Jan. 10.
Lawn edger. J. A. Hardersen. 2,507,007, May 9.
Lawn edger. E. P. Korn. 2,506,366, May 2.
Lawn edger. G. P. Ralston. 2,525,944, Oct. 17.
Lawn edging device. J. H. Irion. 2,520,408, Aug. 29.
Lawn mower. W. J. Bayer. 2,508,561, May 23.
Lawn mower. J. J. Boyd. 2,517,834, Aug. 8.
Lawn mower. H. F. Dalglish. 2,508,060, May 16.
Lawn mower. V. J. Davis. 2,528,041, Oct. 31.
Lawn mower. M. B. Downer. 2,498,796, Feb. 28.
Lawn mower. D. A. Elliott. 2,514,539, July 11.
Lawn mower. R. A. Gilmour. 2,522,112, Sept. 12.
Lawn mower. B. T. Grobowski. 2,513,310–11, July 4.
Lawn mower. B. T. Grobowski and J. P. Arndt. 2,513,309, July 4.
Lawn mower. J. T. King. 2,532,105, Nov. 28.
Lawn mower. F. W. Klay. 2,500,419, Mar. 14.
Lawn mower. M. D. McCauley. 2,515,415, July 18.
Lawn mower. M. Norton. 2,515,662, July 18.
Lawn mower. H. H. Packwood. 2,509,936, May 30.
Lawn mower. E. R. Sawtelle. 2,532,733, Dec. 5.
Lawn mower. L. N. and A. Smith. 2,513,685, July 4.
Lawn mower. C. E. Sutter. 2,518,093, Aug. 8.
Lawn mower. R. H. Wolf. 2,527,472, Oct. 24.
Lawn mower attachment. V. J. Banks. 2,509,080, May 23.
Lawn mower construction. C. L. Hussey and F. T. Green. 2,532,813, Dec. 5.
Lawn mower cutter. S. W. Henderson. 2,509,343, May 30.
Lawn mower cutting reel. J. Remonte. 2,533,691, Dec. 12.
Lawn mower edger attachment. R. A. Bell. 2,521,033, Sept. 5.
Lawn mower, Electric. J. Remonte. 2,496,022, Jan. 31.
Lawn mower, Electric motor-driven. W. T. Smith. 2,521,262, Sept. 5.
Lawn mower, Gang. E. R. Sawtelle, J. I. Blair, and H. Imbt. 2,525,047, Oct. 10.
Lawn mower having circular blades. E. E. Lee. 2,504,268, Apr. 18.
Lawn mower, Power. F. M. Apple. 2,497,573, Feb. 14.
Lawn mower, Power. H. L. Blydenburgh. 2,505,879, May 2.
Lawn mower, Power. A. H. Hackerott. 2,514,861, July 11.
Lawn mower, Power. H. Lind. 2,494,662, Jan. 17.
Lawn mower, Reciprocating blade. G. S. Frambes. 2,526,814, Oct. 24.
Lawn mower, Reciprocating cutter power. M. J. Miller. 2,505,296, Apr. 25.
Lawn mower reel. E. Adamczyk. 2,535,185, Dec. 26.
Lawn mower reel blade comb attachment. R. M. Baldwin. 2,503,316, Apr. 11.
Lawn mower, Rotating cutting disk type. R. E. Gunther. 2,498,415, Feb. 21.
Lawn mower, Rotating cutting reel. F. A. Dowler. 2,501,163, Mar. 21.
Lawn mower, Rotating cutting reel power. H. Goldberg and M. D. Burrows. 2,529,014, Nov. 7.
Lawn mower, Rotating disk power. A. W. Golasky. 2,529,870, Nov. 14.
Lawn renovating machine. A. B. Batchelder. 2,520,488, Aug. 29.
Lawn sprinkler. P. Grelson. 2,534,016, Dec. 12.
Lawn sprinkler, Permanent underground installation. F. E. Socall. 2,533,969, Dec. 12.
Lawn sprinkler system. M. Becker. 2,531,101, Nov. 21.
Lawn trimmer. G. E. Ayers. 2,512,132, June 20.
Lawn trimmer. R. F. Moon. 2,519,779, Aug. 22.
Laxative, Delayed swelling locust bean gum. J. A. Serrallach. 2,522,306, Sept. 12.
Lay construction for looms. M. F. Kieley and A. R. Abbott. 2,496,628, Feb. 7.
Lay figure. N. E. and M. E. Binelli. 2,519,995, Aug. 22.
Layout equipment, Three-dimensional. K. Kondor. 2,533,588, Dec. 12.
Layer control, Boundary. D. A. Beck and E. A. Eddy. 2,517,524, Aug. 1.
Layer for joining two or more structural parts of wood or like material, Intermediate friction. B. Lindham. 2,495,337, Jan. 24.
Leaching of batted resin bonded glass fibers. L. Parker and B. J. Zack. 2,500,092, Mar. 7.
Lead burning machine, Automatic. G. Downing. 2,524,896, Oct. 10.
Lead coating. J. Magnin. 2,493,768; Jan. 10.
Lead dinitroresorcinate, Production of normal. L. Rubenstein. 2,493,551, Jan. 3.

Lead feeding and holding construction for propelling pencils. F. von Allmen. 2,509,849, May 30.
Lead gauge. W. Sherwood. 2,496,314, Feb. 7.
Lead pencil holder. E. W. Curtis. 2,502,435, Apr. 4.
Lead salts of 2 :4 dinitro resorcinol, Preparation of basic. L. Rubenstein. 2,493,549–50, Jan. 3.
Lead screw stop means. F. Terdina and W. E. Skidmore. 2,497,424, Feb. 14.
Lead wire straightening machine. A. J. Vasselli. 2,493,560, Jan. 3.
Leader for fishlines and method and apparatus for shaping the same. F. Arbogast. 2,515,175, July 18.
Leader reel. W. M. Rengo. 2,494,106 ; Jan. 10.
Leaf for fishing fly books. I. B. Knorr. 2,504,266, Apr. 18.
Leaf spring. F. T. Rowland and W. F. Perdue. 2,527,453, Oct. 24.
Leak clamp. A. H. Russell. 2,504,881, Apr. 18.
Leak-detecting apparatus for oil well casings. J. R. Lockett. 2,502,863, Apr. 4.
Leak detector. F. G. Philo. 2,534,830, Dec. 19.
Leak detector for evacuated systems. H. Nelson. 2,526,038. Oct. 17.
Leakproof joint. W. J. Heinrich. 2,527,219, Oct. 24.
Leakproof oil filter. F. Lewis and J. Shuler. 2,529,167, Nov. 7.
Leak tester for heat exchangers. J. R. Phares. 2,517,921, Aug. 8.
Leak testing device. D. W. Sherwood. 2,507,321, May 9.
Leakage detector for Diesel engines, Fuel oil. L. W. Metzger. 2,533,195, Dec. 5.
Leakage indicating device for gas-filled electric cables, pipe lines, or the like. E. L. Davey. 2,520,624, Aug. 29.
Leakage recovering device for hydraulic booster brake mechanism. J. G. Ingres. 2,526,236, Oct. 17.
Leather-cutting tool. W. Kolodnicki. 2,518,991, Aug. 15.
Leather-like material. M. C. Teague. 2,533,976, Dec. 12.
Leather splitting machine. H. Fehlmann. 2,532,398, Dec. 5.
Leather substitute. H. A. Reinhardt and T. T. Harrison. 2,530,441, Nov. 21.
Ledger sheet handling device. F. M. Carroll, J. H. Bakelaar, and W. B. Pond. 2,528,421, Oct. 31.
Leg and brace unit for easels. G. E. Nichols. 2,526,765, Oct. 24.
Leg and catch for davenports, Combination. I. C. Poskin. 2,494,105 ; Jan. 10.
Leg for furniture, Folding. V. E. Johnson. 2,496,094, Jan. 31.
Leg for tripods, Extensible. A. C. Coutant and J. Mathot. 2,519,549, Aug. 22.
Leg positioning mechanism for folding tables. C. F. Weed. 2,527,045, Oct. 24.
Leg protector. O. E. Hoffman. 2,532,024, Nov. 28.
Leg structure for drums and other articles, Adjustable supporting. W. F. Ludwig. 2,517,125, Aug. 1.
Leg structure optionally supporting luggage sections in horizontal or in vertical and horizontal positions, Bifurcated. M. L. Wallace. 2,522,322, Sept. 12.
Leggings, Rain. A. D. M. Riedel. 2,513,204, June 27.
Legs for ironing boards, Adjustable length folding. J. Merner. 2,531,778, Nov. 28.
Lehr for glassware. D. G. Merrill. 2,497,621, Feb. 14.
Length-marking apparatus. J. C. Carlin. 2,529,593, Nov. 14.
Lens adjusting mechanism. J. B. Walker. 2,515,104, July 11.
Lens adjusting mechanism. J. B. Walker. 2,532,685, Dec. 5.
Lens adjusting mechanism for cameras. J. B. Walker. 2,532,684, Dec. 5.
Lens-adjusting tool. A. H. Delory. 2,523,649, Sept. 26.
Lens attachment for twin lens cameras, Auxiliary. H. S. McCullough. 2,516,582, July 25.
Lens, Catadioptric reflex reflecting. R. W. Johnson. 2,498,426, Feb. 21.
Lens, Contact. K. M. Tuohy. 2,510,438, June 6.
Lens focusing and adjusting device. T. J. Morgan and G. P. Hazzard. 2,493,463, Jan. 3.
Lens, Focusing objective. D. L. Wood and G. H. Aklin. 2,503,789, Apr. 11.
Lens for enlargers, Reverse telephoto. R. Kingslake. 2,507,164, May 9.
Lens for focusing infrared and ultraviolet rays. G. M. Corman. 2,493,110, Jan. 3.
Lens for focusing radio waves. H. B. De Vore. 2,528,582, Nov. 7.
Lens for motion-picture cameras. F. G. Back and H. Lowen. 2,535,115, Dec. 26.
Lens for one-piece channeled mountings, Detachable. E. M. Splaine. 2,508,870, May 23.
Lens, Headlight. R. O. Ferguson. 2,512,623, June 27.
Lens, High-tension electrostatic electron. P. Grivet. 2,533,790, Dec. 12.
Lens, Independent electrostatic. F. Bertein and H. Bruck. 2,507,331, May 9.
Lens, Lenticular cataract. E. D. Tillyer. 2,518,099, Aug. 8.
Lens mount means for motion-picture projectors. E. J. Wienke. 2,506,948, May 9.
Lens mounting. L. T. Sachtleben. 2,528,712, Nov. 7.
Lens, Multifocal aphakic. E. W. Tillyer. 2,517,609, Aug. 8.
Lens, Plastic. E. K. and R. W. Madan. 2,525,921, Oct. 17.
Lens-positioning device for optical printers, Shrinkage compensation. J. A. Ball. 2,502,306, Mar. 28.
Lens structure with liquid filler, Hollow circular segmental. R. D. Stephens. 2,496,681, Feb. 7.
Lens synchronizer for cameras, Polarizing. C. E. Mosman. 2,535,591, Dec. 26.
Lens system. E. L. McCarthy. 2,522,390, Sept. 12.
Lens system and mounting for television projection. W. A. Greenwood and W. Liddell. 2,513,723, July 4.
Lens system for gastroscopes or the like. J. H. Hett. 2,519,760, Aug. 22.
Lens system for ultrasonic viewing of defects in objects. R. B. De Lano, Jr. 2,525,873, Oct. 17.
Lens system, Magnetic. C. V. Bocciarelli. 2,498,354, Feb. 21.
Lens system, Ocular. J. Cojan. 2,528,468, Oct. 31.
Lens system, Permanent magnetic electron. J. H. Reisner. 2,503,173, Apr. 4.
Lens system, Photographic camera. J. B. Walker. 2,506,947, May 9.
Lenses, Anastigmatic. W. W. Merté. 2,530,397, Nov. 21.
Lethal animal trap. A. B. Roessler, Jr. 2,518,819, Aug. 15.
Letoff for looms. C. P. Bergstrom. 2,508,810, May 23.
Letoff for looms. W. Hamilton. 2,513,561, July 4.
Letoff mechanism for looms. R. G. Turner. 2,526,303, Oct. 17.
Letter opening machine. H. A. Youngstrand. 2,513,075, June 27.
Letter, Translucent. L. C. Ownbey. 2,501,084, Mar. 21.
Lettering device. L. F. Parr. 2,507,045, May 9.
Leucocyanide composition, Photosensitive. L. Chalkley. 2,528,496, Nov. 7.
Leuco sulfate esters of 1 :1′-dianthraquinonylamides of dibasic carboxylic acids. S. Coffey, D. A. W. Fairweather, and D. E. Hathway. 2,508,814, May 23.
Leuco sulfuric ester derivatives of 1 :4-dibenzoylaminoanthroquinone, Preparing. S. Coffey, G. W. Driver, and D. A. W. Fairweather. 2,504,806, Apr. 18.
Level. W. E. and W. L. Farrow. 2,499,737, Mar. 7.
Level. J. and V. Schultes. 2,495,646, Jan. 24.
Level, Builder's. H. Oscar. 2,502,232, Mar. 28.
Level control, Electrical liquid. J. M. Andrews. 2,498,232, Feb. 21.
Level, device. D. M. Kroener. 2,514,500, July 11.
Level flight control apparatus. L. Hammond. 2,525,900, Oct. 17.
Level holder. E. F. Feldheim. 2,531,563, Nov. 28.
Level-square combination. J. and V. Schultes. 2,495,645, Jan. 24.
Level unit with clamping means, Removable. V. M. Bridy. 2,512,135, June 20.
Level with magnetic securing means. R. R. Fluke. 2,535,791, Dec. 26.
Leveler, Automatic land. G. E. Shuey. 2,503,638, Apr. 11.
Leveler, Land. F. T. Smith. Re. 23,190, Jan. 10.
Leveler, Tractor ridge. G. C. Ferguson. 2,529,007, Nov. 7.
Leveling and controlling device, Hydraulic. C. N. Adams. 2,520,266, Aug. 29.
Leveling apparatus and method. C. B. Anderson. 2,504,292, Apr. 18.
Leveling apparatus and method. L. Theimer. 2,505,812, May 2.
Leveling device. C. O. Rothweiler. 2,504,454, Apr. 18.
Leveling device for tile laying ditchers, Automatic. E. Steffen. 2,494,069 ; Jan. 10.
Leveling device, Underwater meter. A. H. Goetsch. 2,507,900, May 16.
Leveling labels transversely for labeling. F. Henares and C. Gallegos. 2,529,730, Nov. 14.
Levelizing resilient mounting of vehicle bodies to chassis frames. J. F. Meade. 2,505,294, Apr. 25.
Levelometer, Hydrostatic liquid. E. Olson. 2,499,674, Mar. 7.
Lever actuated pivoted jaw wrench. W. E. Pugh. 2,496,309, Feb. 7.
Lever actuated pivoted jaw wrench. W. E. Pugh and R. J. Champayne. 2,496,308, Feb. 7.
Lever actuated stem, Intermittently held. A. B. Henwood. 2,527,420, Oct. 24.
Lever and cam operating means for releasing locking pliers from locked position. L. C. Mead. 2,523,385, Sept. 26.
Lever and gear-sector operated locking parallel-jaw wrench. A. Lazzarini. 2,500,462, Mar. 14.
Lever and link feed sliding jaw wrench. M. A. Napier. 2,534,985, Dec. 19.
Lever and the like, Operating and control. H. E. Jeffery. 2,509,271, May 30.
Lever assembly, Ball cock. H. F. Smith and H. A. Fulton. 2,520,573, Aug. 29.
Lever, Brake. J. Haltenberger. 2,518,234, Aug. 8.
Lever carried detent, Rack engaging. E. G. F. Robertshaw. 2,530,030, Nov. 14.
Lever engine action. C. C. Chronic and C. A. Shaffer. 2,493,718, Jan. 3.

Lever escapement for timepieces. H. Jeanneret. 2,504,693, Apr. 18.
Lever, Fluid pressure actuated tire bead breaking. W. H. McCollister. 2,495,117, Jan. 17.
Lever, Flush. F. M. Keller. 2,529,844, Nov. 14.
Lever, Flywheel turning. I. W. Nelson. 2,535,447, Dec. 26.
Lever for aircraft and the like, Control. A. F. Jennings. 2,514,212, July 4.
Lever for closing drop doors on railway hopper cars, Operating. S. Radis. 2,500,865, Mar. 14.
Lever for looms, Shipper. C. D. Brown. 2,493,104, Jan. 3.
Lever for screw drivers. E. L. Clarke. 2,518,755, Aug. 15.
Lever for use with driving means of differently constructed engines, Segmental pump. M. Katcher. 2,507,339, May 9.
Lever guide, Flush tank. S. Gertz. 2,534,705, Dec. 19.
Lever handle detent and release. C. E. Deardorff and A. A. Meddock. 2,512,312, June 20.
Lever mechanism for rotary hand brakes, Operating. K. Williams. 2,512,450, June 20.
Lever operated rotary bar fastener. G. E. Dath. 2,505,945, May 2.
Lever, Tire bead and rim separating. H. E. Barber. 2,518,114, Aug. 8.
Lever, Tire bead prying. A. W. Gustafson. 2,508,712, May 23.
Lever, Tire loosening. P. A. Neely. 2,500,319, Mar. 14.
Leverage system. E. C. Neal. 2,526,263, Oct. 17.
Leverage system. H. W. Osburn. 2,510,651, June 6.
License holder for motor vehicles. R. T. Hodges, Sr. 2,535,576, Dec. 26.
License holder for rearview automobile mirrors. R. T. Hodges, Sr. 2,535,575, Dec. 26.
License plate apparatus. O. S. Gropper. 2,508,671, May 23.
License plate holder. A. Jacobs. 2,501,176, Mar. 21.
License plate mounting. J. B. Dickson. 2,518,669, Aug. 15.
License plate with renewable tab, Vehicle. H. E. Caffrey. 2,535,265, Dec. 26.
Lid and spring assembly, Journal box. C. J. Touhey. 2,512,291, June 20.
Lid Articulated journal box. D. D. Bryant. 2,501,494, Mar. 21.
Lid catcher. C. McLellan. 2,529,779, Nov. 14.
Lid for paper containers. C. Barbieri. 2,505,748, May 2.
Lid, Journal box. F. A. Frederick. 2,498,158, Feb. 21.
Lid, Lock-seal. D. D. Bryant. 2,498,245, Feb. 21.
Lid, Oil box. C. A. Wright. 2,494,423; Jan. 10.
Lid structure for railway journal boxes, Articulated closure. T. R. Weber. 2,523,485, Sept. 26.
Life belt having a compressed gas inflation cylinder. F. R. Fisher. 2,533,446, Dec. 12.
Lifeboat having leeboards, Sail-equipped. F. L. Nantz. 2,525,933, Oct. 17.
Life preserver inflator, Automatic. J. T. Myers. 2,513,347, July 4.
Lifesaving device. G. R. Bossetta. 2,493,853; Jan. 10.
Lifesaving device. E. H. Burkhardt. 2,518,750, Aug. 15.
Lifesaving device. J. Chillemi. 2,500,661. Mar. 14.
Lifesaving equipment for air and other craft. B. W. O. Townshend. 2,510,843, June 6.
Lift. O. Merkel. 2,535,221, Dec. 26.
Lift, Automobile. G. A. Sims. 2,497,472, Feb. 14.
Lift control for aircraft. A. C. Loedding. 2,503,585, Apr. 11.
Lift control for rotary wing sustained aircraft, Rotary blade. E. F. Andrews. 2,511,687, June 13.
Lift control system, Vertical. L. H. Kiesling. 2,493,293, Jan. 3.
Lift control system, Vertical. L. H. Kiesling. 2,507,791, May 16.
Lift for trucks, Tail gate. B. H. Ives. 2,527,818, Oct. 31.
Lift, Hydraulic track tower. E. B. Wagner. 2,502,357, Mar. 28.
Lift, Invalid. O. P. Smith. 2,494,591, Jan. 17.
Lift jack. T. M. Parker. 2,535,753. Dec. 26.
Lift mechanism. J. A. Denton. 2,514,314, July 4.
Lift mechanism for implements, Power. W. Vutz. 2,523,890, Sept. 26.
Lift mechanism for sliding doors. F. Ditchfield. 2,511,570, June 13.
Lift mechanism, Plow. O. W. Oerman and J. Peterson. 2,519,497, Aug. 22.
Lift, Mobile. E. A. Wagner. 2,503,180, Apr. 4.
Lift plug valve. W. Ebert. 2,529,544, Nov. 14.
Lift, Safety spectacle bridge. J. W. Hayward. 2,504,524, Apr. 18.
Lift structure, Tire. H. C. Schildmeier. 2,516,260, July 25.
Lift system for rotors, Uniform blade. K. W. and A. B. Goodson. 2,506,210, May 2.
Lift system, Self-leveling hydraulic. L. E. Twist. 2,510,610, June 6.
Lift tow hitch. L. O. Greeley. 2,534,665, Dec. 19.
Lift, Tractor. F. N. Eaton. 2,505,639, Apr. 25.
Lift trip for two-way plows, Automatic power. W. F. Mellen. 2,529,809, Nov. 14.
Lift, Truck Tail gate. W. E. Snow. 2,497,474, Feb. 14.
Lift, Typewriter. G. H. Johnston. 2,524,386, Oct. 3.
Lift, Vehicle. C. C. S. A. Le Clair. 2,498,086, Feb. 21.
Lifter: *See*—
Barrel lifter.
Battery lifter.
Bottle cap lifter.
Foot control valve spring lifter.
Foot stabilized container cover lifter.
Jar cover lifter.
Jar lifter.
Loom harness lifter.
Pie plate lifter.
Rotary cutter vine lifter.
Sickle bar lifter.
Twine lifter.
Universal cam action valve lifter.
Lifter and aerator, Swath. L. E. S. Smart. 2,502,599, Apr. 4.
Lifter and holder, Window. L. A. Riddell. 2,500,044, Mar. 7.
Lifter and hopper arrangement for planters, Seed. C. S. Baker. 2,495,998, Jan. 31.
Lifter for planers, Tool. C. Morey and H. A. Dingeldein. 2,533,680, Dec. 12.
Lifter for windrowed grain, Swath. O. Sampson. 2,529,422, Nov. 7.
Lifter roof storage tank. J. W. Allen. 2,497,851, Feb. 21.
Lifter roof storage tank. H. C. Boardman, F. L. Goldsby, and C. M. Orr. 2,492,960, Jan. 3.
Lifter tool. H. D. Davis. 2,514,629, July 11.
Lifting and lowering appliance. I. A. Weaver. 2,533,980, Dec. 12.
Lifting and lowering mechanism, Fluid actuated load. I. A. Weaver. Re. 23,309, Dec. 19.
Lifting apparatus. O. E. Dempsey. 2,501,380, Mar. 21.
Lifting apparatus, Invalid. V. C. Hassold and J. T. Ullom. 2,498,853, Feb. 28.
Lifting appliance, Meat roast. L. E. and A. E. Zwoboda. 2,511,142, June 13.
Lifting arrangement for deep well drills, Core. L. E. Townsend. 2,499,543, Mar. 7.
Lifting device. L. J. Rotolfo. 2,526,085, Oct. 17.
Lifting device, Aerodynamic. C. Dubost. 2,532,899, Dec. 5.
Lifting device, Electromagnetic. J. W. Seamans. 2,499,685, Mar. 7.
Lifting device, Fluid operated. W. W. Sloane. 2,532,342, Dec. 5.
Lifting device for pallets or the like. H. Madsen. 2,494,823, Jan. 17.
Lifting device for tractors. C. W. Mott. 2,513,955, July 4.
Lifting device, Geared. A. V. Jensen. 2,524,351, Oct. 3.
Lifting device, Power-operated tractor. L. A. Hardy, A. H. Keller, and J. L. Aasland. 2,508,345, May 16.
Lifting device, Rail. C. R. Schoenfelder. 2,523,880, Sept. 26.
Lifting device, Worm gear plow. O. E. and K. E. Allen. 2,526,186, Oct. 17.
Lifting gate latch. P. R. Ladd. 2,493,881; Jan. 10.
Lifting hook. P. Niemi. 2,534,619, Dec. 19.
Lifting jack. A. A. Berg. 2,508,934, May 23.
Lifting jack. M. B. Lucker. 2,528,011, Oct. 31.
Lifting jack. P. Moench. 2,513,246, June 27.
Lifting jacket. C. H. Johnson. 2,504,201, Apr. 18.
Lifting mechanism. O. C. K. Hutchinson. 2,530,771, Nov. 21.
Lifting mechanism for electric motors, Brush. S. S. Brown. 2,517,836, Aug. 8.
Lifting mechanism for heavy furniture, Wheeled. R. Alderson. 2,513,440, July 4.
Lifting rod. J. G. Kershaw. 2,499,027, Feb. 28.
Lifting surface, Fluid foil. M. A. Garbell. 2,498,262, Feb. 21.
Light: *See*—
Adjustable sewing machine light.
Aircraft landing light.
Automobile dome light.
Bicycle stop light.
Docking light.
Explosion-proof pilot light.
Farm light.
Floor lamp guide light.
Liquid burning light.
Ornamental bubbling light.
Portable book light.
Portable signal light.
Purse light.
Skate light.
Timing light.
Valance light.
Welder's inspection light.
Light arrangement for ventilated space, Germicidal. G. K. Raider. 2,533,690, Dec. 12.
Light attachment, Telephone dial. C. J. Caroselli. 2,516,676, July 25.
Light baffle and support therefor. E. A. Price. 2,530,361, Nov. 14.
Light chargeable pad. R. A. Schultheiss. 2,516,727, July 25.
Light construction, Trouble. A. Miller. 2,534,875, Dec. 19.
Light control device, Photographic. G. L. Abrums. 2,501,017, Mar. 21.
Light filter. P. F. Early. 2,510,873, June 6.
Light filter. H. Salisbury. 2,506,813, May 9.
Light filter opaque to visible light and transmitting infrared radiation. W. F. Amon, Jr., and E. R. Blout. 2,495,500, Jan. 24.
Light filter opaque to visible light and transmitting infrared radiation. E. H. Land. 2,495,527, Jan. 24.
Light filter transmitting infrared radiation and opaque to visible light. W. F. Amon, Jr., and E. R. Blout. 2,495,499, Jan. 24.
Light filter transparent to infrared radiation and opaque to visible light. E. R. Blout and W. F. Amon, Jr. 2,525,638, Oct. 10.

Light fixture. P. J. Adinamis and S. A. Bennett. 2,532,800, Dec. 5.
Light fixtures for tubular fluorescent lamps, Electric. N. Neuman. 2,530,582, Nov. 21.
Light for connection with a motor vehicle, Portable electric. M. Alden. 2,511,893, June 20.
Light for hobbing machines, Indicator. W. S. Brower. 2,516,750, July 25.
Light measuring device for photographic color printing having color filters and photocell circuit timing means. A. Simmon. 2,518,948, Aug. 15.
Light metals, Process and flux for the treatment of. E. F. Emley and A. C. Jessup. 2,497,539, Feb. 14.
Light modulating system. V. Pagliarulo. 2,515,054, July 11.
Lightout protection for railway signaling systems. C. E. Staples. 2,526,429, Oct. 17.
Light polarizing apparatus for analyzing pictures. R. W. Justice. 2,501,446, Mar. 21.
Light-polarizing black-out device for instrument dials. H. E. Rohr. 2,511,010, June 13.
Light-polarizing, molecularly oriented, transparent, high polymeric plastic containing dichroic dithiooxamide stain. W. F. Amon, Jr., and M. W. Kane. 2,505,085, Apr. 25.
Light-polarizing sheet of molecularly oriented polyvinyl alcohol containing reaction product of a molybdenum compound and a sulfide. W. F. Amon, Jr. 2,505,082, Apr. 25.
Light-polarizing sheet of molecularly oriented polyvinyl alcohol containing reaction product of a selenide and a salt of the group consisting of water-soluble bismuth salts and water-soluble lead salts. W. F. Amon, Jr. 2,505,083, Apr. 25.
Light-polarizing sheet of molecularly oriented polyvinyl alcohol containing reaction product of a sulfide and a salt of the group consisting of water soluble nickel salts and water soluble cobalt salts. W. F. Amon, Jr. 2,505,081, Apr. 25.
Light-polarizing sheet of molecularly oriented polyvinyl alcohol containing reaction product of ferric salt and a sulfide. W. F. Amon, Jr. 2,505,080, Apr. 25.
Light-polarizing sheet of molecularly oriented polyvinyl alcohol containing reaction product of ferrous salt and a sulfide. W. F. Amon, Jr. 2,505,084, Apr. 25.
Light reflecting material. C. J. Heller. 2,524,794, Oct. 10.
Light-sensitive anthraquinone sulfonic acid photoprinting material containing a cupric salt. A. Schoen. 2,504,593, Apr. 18.
Light-sensitive blueprint layer and producing the same. E. Jahoda. 2,517,111, Aug. 1.
Light source, Colored. M. K. Kunins. 2,515,236, July 18.
Light structure, Oscillating. J. D. Kennelly. 2,510,892, June 6.
Lighttight cigarette holder. F. A. Mockel. 2,510,995, June 13.
Light unit for use in connection with swimming, Electric. H. W. Henning, Jr. 2,520,503, Aug. 29.
Lightweight aggregates, Producing. F. W. Kelley, Jr. 2,493,198, Jan. 3.
Lighter. W. E. Beckjord. 2,517,166, Aug. 1.
Lighter. R. F. Garber. 2,526,860, Oct. 24.
Lighter. R. G. Ingersoll. 2,514,066, July 4.
Lighter. R. F. Landwehr. Re. 23,207, Mar. 14.
Lighter. E. T. Lauber. 2,514,709, July 11.
Lighter. G. W. Martin. 2,523,510, Sept. 26.
Lighter. P. B. Miller. 2,515,092, July 11.
Lighter. G. J. Nichols. 2,498,178, Feb. 21.
Lighter. C. H. H. Rodanet. 2,497,137, Feb. 14.
Lighter. L. S. Sabbia. 2,509,941, May 30.
Lighter. H. M. Van Pietersom and F. L. Obst. 2,507,839, May 16.
Lighter actuating mechanism. W. I. Nissen. 2,498,377, Feb. 21.
Lighter and dispenser for cigarettes, Electric. B. Stein. 2,528,619, Nov. 7.
Lighter and flashlight, Combination cigarette. M. Leif. 2,494,886, Jan. 17.
Lighter and flint supply therefor, Pyrophoric. J. M. Finch, Jr. 2,507,203, May 9.
Lighter and fuel supply therefor, Pyrophoric. J. M. Finch, Jr. 2,507,202, May 9.
Lighter and heated inhalator, Combined. J. Kemp. 2,495,897, Jan. 31.
Lighter assembly, Cigarette. P. B. Miller. 2,529,094, Nov. 7.
Lighter, Automatic. C. J. Campbell. 2,512,767, June 27.
Lighter, Automatic cigarette. R. Gangnereau. 2,515,504, July 18.
Lighter, Automobile cigarette. A. De La Mater. 2,511,331, June 13.
Lighter, Battery operated cigarette. I. Boyarsky and I. E. Melnick. 2,535,665, Dec. 26.
Lighter casing construction. A. H. Aronson. 2,505,167, Apr. 25.
Lighter, Catalytic. I. Florman. 2,497,937, Feb. 21.
Lighter, Cigar. R. L. Burchett. 2,511,492, June 13.
Lighter, Cigar. A. F. Jackson. 2,505,326–8, Apr. 25.
Lighter, Cigar. W. L. Painter. 2,524,074, Oct. 3.
Lighter, Cigar. J. Sinko. 2,498,116, Feb. 21.
Lighter, Cigar and cigarette. A. Bakst and S. L. Ruskin. 2,516,843, Aug. 1.
Lighter, Cigarette. S. Burshstein. 2,506,774, May 9.
Lighter, Cigarette. L. K. Davis. 2,528,500, Nov. 7.
Lighter, Cigarette. E. B. De Mesquita. 2,513,151, June 27.
Lighter, Cigarette. E. Ellis. 2,528,583, Nov. 7.
Lighter, Cigarette. R. T. Fitzpatrick. 2,493,662, Jan. 3.
Lighter, Cigarette. I. Florman. 2,498,536–7, Feb. 21.
Lighter, Cigarette. I. Florman. 2,519,641, Aug. 22.
Lighter, Cigarette. G. P. Hartzell. 2,527,998, Oct. 31.
Lighter, Cigarette. E. Hrabal. 2,499,752, Mar. 7.
Lighter, Cigarette. T. E. Koetz. 2,512,104, June 20.
Lighter, Cigarette. R. F. Landwehr. 2,531,632, Nov. 28.
Lighter, Cigarette. R. D. Lloyd. 2,513,500, July 4.
Lighter, Cigarette. C. P. Morse. 2,521,180–1, Sept. 5.
Lighter, Cigarette. W. and E. Regelmann. 2,529,104, Nov. 7.
Lighter, Cigarette. E. D. Rogers. 2,509,251, May 30.
Lighter, Cigarette. D. B. Rosenblatt. 2,498,507, Feb. 21.
Lighter, Cigarette. C. E. Taylor and S. J. Gwoosh. 2,524,239, Oct. 3.
Lighter, Cigarette. A. L. H. Tissot-Dupont. 2,498,316, Feb. 21.
Lighter, Cigarette. L. M. Wylie. 2,505,512, Apr. 25.
Lighter construction, Pocket. W. S. Stokes. 2,498,142, Feb. 21.
Lighter, Electric. F. G. Eskuchen. 2,502,135, Mar. 28.
Lighter, Electric. F. G. Eskuchen. 2,503,103, Apr. 4.
Lighter, Electric candle. A. G. St. Pierre and T. W. Breton. 2,500,584, Mar. 14.
Lighter, Electric cigar. P. E. Ashton. 2,531,901, Nov. 28.
Lighter, Electric cigar. J. J. Dante. 2,510,308, June 6.
Lighter, Electric cigarette. W. R. Waltner, Jr. 2,514,171, July 4.
Lighter, Electrical cigar or cigarette. R. Lüthi. 2,525,040, Oct. 10.
Lighter, Finger ring. E. S. Conway and V. Amendolara. 2,530,291, Nov. 14.
Lighter for oil stoves, Hand. D. Falco. 2,524,521, Oct. 3.
Lighter, Friction. J. Lowenthal and C. W. Moore. 2,502,864, Apr. 4.
Lighter, Gas torch. K. H. Black. 2,502,073, Mar. 28.
Lighter head assembly, Pocket. C. A. Fortin. 2,517,192, Aug. 1.
Lighter, Illuminated cigar. J. O. Thibault. 2,506,181, May 2.
Lighter, Mechanical. T. Ruetz. 2,511,997, June 20.
Lighter, Mechanical. J. C. Speck. 2,503,640, Apr. 11.
Lighter or igniter. M. Quercia and G. Ferdinand. 2,509,744, May 30.
Lighter, Pipe, cigar, and cigarette. J. F. Head. 2,517,662, Aug. 8.
Lighter, Pistol simulating cigar and cigarette. L. A. Gendler. 2,513,717, July 4.
Lighter, Pocket. A. Campos. 2,511,459, June 13.
Lighter, Pocket. R. R. Eratico. 2,517,644, Aug. 8.
Lighter, Pocket. C. A. Fortin. 2,530,328, Nov. 14.
Lighter, Pocket. E. Tigges. 2,532,650, Dec. 5.
Lighter, Pocket gas. M. Quercia and G. Ferdinand. 2,495,345, Jan. 24.
Lighter, Pyrophoric. H. Chen. 2,531,554, Nov. 28.
Lighter, Pyrophoric. R. E. Chérouvrier. 2,535,529, Dec. 26.
Lighter, Pyrophoric. L. Flickinger and G. G. Blaisdell. 2,517,191, Aug. 1.
Lighter, Pyrophoric. E. W. Giddy. 2,520,498, Aug. 29.
Lighter, Pyrophoric. F. Martindell. 2,523,511, Sept. 26.
Lighter, Pyrophoric. B. Sandor. 2,534,068, Dec. 12.
Lighter, Pyrophoric. H. C. H. Smyth. 2,494,211; Jan. 10.
Lighter, Pyrophoric. R. Wiessner. 2,514,173, July 4.
Lighter, Rubbing-wheel type. R. Wiessner. 2,513,125, June 27.
Lighter, Semiautomatic table. P. W. Buchhart. 2,497,582, Feb. 14.
Lighter structure for gas burners. E. H. Mueller. 2,497,233, Feb. 14.
Lighter structure for gas burners. E. H. Mueller. 2,510,899, June 6.
Lighter, Table. H. Negbaur. 2,493,081, Jan. 3.
Lighter using a gaseous fuel. M. Quercia and G. Ferdinand. 2,515,733, July 18.
Lighter using gaseous fuel. M. Quercia and G. Ferdinand. 2,535,452, Dec. 26.
Lighter with combustible pellets. J. F. Lettl. 2,513,656, July 4.
Lighter with elongated flint, Automatic. J. L. A. Borthayre. 2,529,326, Nov. 7.
Lighting and launching device, Fusee. J. J. Glynn. 2,532,901, Dec. 5.
Lighting and ventilating apparatus. V. A. Rigaumont. 2,519,503, Aug. 22.
Lighting apparatus. G. R. Baumgartner. 2,525,013, Oct. 10.
Lighting apparatus, Photographic flash. R. C. Beck. 2,498,640, Feb. 28.
Lighting appliance, Electric. P. W. Baker. 2,511,558, June 13.
Lighting control. A. Arvidsson. 2,529,989, Nov. 14.
Lighting control, Runway. M. H. Sheldon. 2,509,018, May 23.

Lighting device. A. J. and I. F. Fausek. 2,514,995, July 11.
Lighting device. I. F. Fausek, W. L. Reedy, and E. F. Copeland. 2,527,302, Oct. 24.
Lighting device. P. B. Ford. 2,524,657, Oct. 3.
Lighting device. E. V. Sundt. 2,506,620, May 9.
Lighting device, Airport. H. A. Cline and E. C. Briggs. 2,501,437, Mar. 21.
Lighting device, Electric. A. Goldstein. 2,493,626, Jan. 3.
Lighting device, Glare free. A. M. Marks. 2,519,387, Aug. 22.
Lighting device, Stove. E. P. Ransdell. 2,507,456, May 9.
Lighting equipment, Inbuilt. R. M. Runge. 2,518,724, Aug. 15.
Lighting equipment, Recessed. K. Franck and V. Wince. 2,520,596, Aug. 29.
Lighting fixture bracket. J. A. Buck. 2,494,428; Jan. 10.
Lighting, Fluorescent. E. G. Gaynor. 2,511,155, June 13.
Lighting, Fluorescent. E. G. Gaynor and H. K. Andrews. 2,507,898, May 16.
Lighting structure, Obstruction. C. K. Lamb. 2,498,556. Feb. 21.
Lighting system, Christmas tree. F. Cohen. 2,533,222, Dec. 12.
Lighting system for aircraft landing strips, Continuous. C. A. Bigelow. 2,532,988, Dec. 5.
Lighting system for aircraft runways, Approach. M. A. Garbell. 2,501,504, Mar. 21.
Lighting system for display models. R. T. Clarke. 2,501,160, Mar. 21.
Lighting unit. R. A. Reid. 2,534,992, Dec. 19.
Lighting unit. E. J. Ries and C. G. Maxson. 2,494,058; Jan. 10.
Lighting unit, Explosion-proof. M. J. Griffin. 2,517,478, Aug. 1.
Lightning arrester. J. S. Ferguson. 2,528,127, Oct. 31.
Lightning arrester. M. A. Gill. 2,535,129, Dec. 26.
Lightning arrester. E. Gomonet. 2,505,668, Apr. 25.
Lightning arrester. S. W. Zimmerman. 2,495,154, Jan. 17.
Lightning arrester and fuse construction, Combined. R. H. Earle. Re. 23,293, Nov. 14.
Lightning arrester construction. R. R. Pittman. 2,506,938, May 9.
Lignin aliphatic acids and salts. J. S. Pierce. 2,503,297, Apr. 11.
Lignin compounds and making same. J. R. Salvesen and C. Harmon. 2,505,304, Apr. 25.
Lignin resins and making same. R. N. Evans and A. P. Ingrassia. 2,494,545, Jan. 17.
Lignocellulose, phenol formaldehyde, and inorganic filler molding composition. R. V. Williamson and T. F. Clark. 2,502,498, Apr. 4.
Lime, Burning. B. E. Roetheli. 2,498,710, Feb. 28.
Lime putty, Manufacture of. D. Miller and T. R. Komline. 2,518,046, Aug. 8.
Limit control apparatus. R. G. Hoch. 2,535,133, Dec. 26.
Limit control for magnetic recorders. C. B. Jones. 2,535,497, Dec. 26.
Limit stop for parallelogram mechanisms. J. R. Picon. 2,530,782, Nov. 21.
Limit switch. A. A. Dicke. 2,529,652, Nov. 14.
Limit switch. D. W. Fath. 2,503,812, Apr. 11.
Limit switch. H. E. Hodgson. 2,519,907, Aug. 22.
Limit switch. W. C. Muth. 2,516,525, July 25.
Limited movement clutch. E. C. Swilik. 2,533,848, Dec. 12.
Limiter and counter circuit, Direct current. G. L. Usselman. 2,515,677, July 18.
Limiter circuit. L. A. Thompson. 2,523,401, Sept. 26.
Limiter for automatic gain control circuits, Negative bias. A. P. Montgomery. 2,520,012, Aug. 22.
Limiting device, Overload. V. J. Grumblatt. 2,497,668, Feb. 14.
Limiting means for hoists and the like, Safety load. R. R. Dillon. 2,512,055, June 20.
Line advancer. N. E. Peeler. 2,520,562, Aug. 29.
Line anchoring device. N. F. Garwood. 2,530,121, Nov. 14.
Line choke coil. M. J. Brown. 2,515,984, July 18.
Line clamp. H. J. D. Wolff. 2,493,907; Jan. 10.
Line control. L. S. Hamer. 2,499,381, Mar. 7.
Line drying reel. O. K. Eldredge. 2,511,701, June 13.
Line feed release mechanism. O. A. Lorenz and H. W. Yarnell. 2,534,461, Dec. 19.
Line finder system, Electronic. E. M. Deloraine and D. H. Ransom. 2,520,132, Aug. 29.
Line focusing cathode-ray tube. P. J. Selgin. 2,509,254, May 30.
Line forming machine, Automatic. G. H. Norquist. 2,505,788, May 2.
Line gripping device. J. D. Monie. 2,518,630, Aug. 15.
Line guide element for fishing rods and the like. W. M. Hoffman. 2,502,845, Apr. 4.
Line guide tip for fishing rods and the like. W. M. Hoffman. 2,502,846, Apr. 4.
Line holder. J. L. Buehl. 2,510,862, June 6.
Line holder. D. J. Coffey. 2,505,606, Apr. 25.
Line holder. P. M. D'Amico. 2,532,394, Dec. 5.
Line of sight stabilization. P. A. Noxon. Re. 23,303, Dec. 12.
Line of sight stabilization. P. A. Noxon. 2,513,738, July 4.
Line pressure lubricated plug valve. A. S. Volpin. 2,530,744, Nov. 31.
Line slack adjuster. E. V. Davis. 2,527,402, Oct. 24.
Line spacing mechanism for portable typewriters. A. Segura. 2,509,534, May 30.
Line supporting device. A. A. Ensminger. 2,503,715, Apr. 11.
Line tightener. M. E. Lawrence. 2,496,249, Jan. 31
Line-tightener means. J. J. Duket. 2,501,214, Mar. 21.
Line tracker control. E. Rathje, Jr. 2,532,421, Dec. 5.
Line tracker control, Fixed time interval. E. Rathje. 2,521,946, Sept. 12.
Line wire spacer. H. H. Wheeler and W. F. Markley. 2,526,917, Oct. 24.
Linear actuator. L. A. Amtsberg and J. E. Olson. 2,509,409, May 30.
Linear actuator. C. E. Gossling. 2,530,871, Nov. 21.
Linear chloromethylmethylsiloxanes. R. R. McGregor and E. L. Warrick. 2,507,316, May 9.
Linear condensation polymers from bis-diazo-diketo alkanes, Preparing. H. J. Hagemeyer, Jr. 2,533,455, Dec. 12.
Linear integration meter. G. Herzog. 2,499,953, Mar. 7.
Linear-motor catapult system, Two-phase. M. F. Jones. 2,519,253, Aug. 15.
Linear nitrogen-containing polymeric materials and their production. H. Bates, J. W. Fisher, and E. W. Wheatley. 2,512,600, June 27.
Linear nitrogen-containing polymeric materials, Production of. H. Bates, J. W. Fisher, and E. W. Wheatley. 2,512,601, June 27.
Linear polyesters of hydroquinone, saturated glycols and dicarboxylic acids and their preparation. J. R. Caldwell. 2,496,933, Feb. 7.
Linear voltage generator. J. W. Picking. 2,505,688, Apr. 25.
Linearity correction for diodes. W. H. Bresee. 2,511,562, June 13.
Liner, Cylinder. F. M. Lankford. 2,496,547, Feb. 7.
Liner, dispenser, and closure cover for cigarette packages. G. Rioux. 2,522,061, Sept. 12.
Liner for adherent rubber surfaces and the like. W. Kellgren and J. J. Charpentier. 2,496,349, Feb. 7.
Liner for car walls. A. F. O'Connor. 2,517,699. Aug. 8.
Liner for incubator trays, Sanitary. J. M. Eberhart. 2,529,284, Nov. 7.
Liner for mess kit covers. R. T. Dahl. 2,531,671, Nov. 28.
Liner for motor core slots, Insulation. W. T. Kirkpatrick. 2,495,010, Jan. 17.
Liner material, Gun tube. P. H. Brace, J. F. Schairer, and J. W. Marden. 2,499,944, Mar. 7.
Liner materials and making the same, Corrosion resistant. A. Abraham, Jr. 2,530,320, Nov. 14.
Liner turner, Teat cup. E. F. Grant. 2,506,079, May 2.
Liners and adhesive tapes having low adhesion polyvinyl carbamate coatings. C. A. Dahlquist, J. O. Hendricks, and W. E. Sohl. 2,532,011, Nov. 28.
Lining apparatus, Ingot mold. J. R. Griffiths. 2,508,711, May 23.
Lining blanks, Method and apparatus for. H. Anderson. 2,502,117, Mar. 28.
Lining, Boxcar. K. A. Browne. 2,526,116, Oct. 17.
Lining element and composition for same, Ball mill. R. C. Benner and J. C. McMullen. 2,502,198, Mar. 28.
Lining for conduits, Insulation. A. L. Baker. Re. 23,199, Feb. 28.
Lining, Ice bucket. A. A. Tozzi. 2,524,497, Oct. 3.
Lining machine, Crown closure. D. L. Shanklin and R. P. Stokes. 2,524,545, Oct. 3.
Lining pipes and other structures with plastic sheets. C. G. Munger. 2,516,242, July 25.
Lining railroad curves. R. C. Petry. 2,531,461, Nov. 28.
Link, Cartridge belt. J. H. Lewis, Jr. 2,502,466, Apr. 4.
Link, Chain. C. E. Anderson and C. E. Sennholtz. 2,525,193, Oct. 10.
Link, Chain. W. K. Robbins. 2,525,724, Oct. 10.
Link, Connecting. C. E. Anderson and C. E. Sennholtz. 2,525,194, Oct. 10.
Link, Educational. R. A. Nerrie. 2,496,810, Feb. 7.
Link, Expandible adjustable. C. B. Greenberg. 2,526,023, Oct. 17.
Link for insertion within a hot-air conduit of a heating system, Heat-fusible safety. A. M. Smith and E. Hart. 2,498,382, Feb. 21.
Link for open link chains, Quick detachable. A. F. Welling. 2,508,847, May 23.
Link for riveteless chains, Center. A. W. Lemmon. 2,507,025, May 9.
Link, Fuse. S. R. Smith, Jr. 2,493,601, Jan. 3.
Link, Fusible. A. C. Rowley. 2,534,065, Dec. 12.
Link, Fusing. W. F. Kramer. 2,523,029, Sept. 19.
Link, Line snatch. H. O. Koch. 2,517,886, Aug. 8.
Link system, Repeater. E. M. Deloraine. 2,509,218, May 30.
Linkage for dental chairs and the like, Adjustable. D. J. Binus. 2,517,831, Aug. 8.
Linkage for heavy-duty multiple-wheeled vehicles, Steering. G. A. Collender. 2,519,742, Aug. 22.
Linkage, Lost motion. J. M. Sharp. 2,501,101, Mar. 21.
Linkage mechanism, Control. C. E. Jacobus. 2,528,752, Nov. 7.

Linkage mechanism with two lifting phases. D. A. Neely. 2,501,001, Mar. 21.
Linkage, Multiplying. A. Svoboda. 2,498,309–10, Feb. 21.
Linkage, Multiplying and dividing. A. Svoboda. 2,498,312, Feb. 21.
Linkage with multiple controlled elements, Variable output. C. C. De Pew. 2,531,614, Nov. 28.
Linoleum and asphalt tile remover. T. C. Rush. 2,520,066, Aug. 22.
Linoleum compositions. J. S. Heckles. 2,502,457, Apr. 4.
Lint trap. M. L. Cates, Jr. 2,527,531, Oct. 31.
Lint trap. K. E. Hendrickson. 2,509,300, May 30.
Lipstick. J. Ross. 2,522,403, Sept. 12.
Lipstick and flashlight, Combined. J. J. Forlenza. 2,504,820, Apr. 18.
Lipstick and the like. E. J. Politzer. 2,514,969, July 11.
Lipstick assembly, Changeable and refillable. R. J. Lohr and R. N. Carver. 2,497,950, Feb. 21.
Lipstick assembly, Multiple. J. De Mario. 2,523,683, Sept. 26.
Lipstick case. S. Shatkin. 2,526,089, Oct. 17.
Lipstick container. H. B. Greene. 2,502,716, Apr. 4.
Lipstick container. H. B. Greene. 2,529,079, Nov. 7.
Lipstick container. R. B. Hopgood. 2,508,164, May 16.
Lipstick container. L. E. Isele. 2,502,652, Apr. 4.
Lipstick container. J. H. Voegeli. 2,513,830, July 4.
Lipstick holder. B. W. and S. H. Birnkrant. 2,512,476, June 20.
Lipstick holder. L. Blake. 2,529,673, Nov. 14.
Lipstick holder. H. Broder. 2,504,490, Apr. 18.
Lipstick holder. H. Broder. 2,511,965–6, June 20.
Lipstick holder. A. S. Perlstein. 2,513,046, June 27.
Lipstick holder. D. L. Spender. 2,509,536, May 30.
Lipstick holder. W. G. Thompson, and S. J. Clark. 2,523,457, Sept. 26.
Lipometer. D. L. Segal. 2,506,973, May 9.
Liquefaction and gas boosting system. O. E. Gammill, Jr. 2,508,821, May 23.
Liquefaction system. F. W. Laverty and A. B. Cole. 2,500.129, Mar. 7
Liquefying gaseous fluids, Method and apparatus for. L. C. Claitor and D. B. Crawford. 2,509,034, May 23.
Liquefying gases, Method of and apparatus for. D. W. Hughes. 2,522,787, Sept. 19.
Liquid agitating and dispensing apparatus. R. R. Hull. 2,526,949, Oct. 24.
Liquid air trap. D. W. Smith. 2,513,114, June 27.
Liquid and gas separator. C. D. Laidley. 2,511,351, June 13.
Liquid applying apparatus for strip material. R. I. Hahn. 2,505,960, May 2.
Liquid bath furnace. J. Wallerius. 2,515,618, July 18.
Liquid burning light. H. C. Archambeau. 2,512,885, June 27.
Liquid carbon dioxide suitable for discharge at low temperatures and filling storage containers for confining the same. D. Mapes. 2,521,526, Sept. 5.
Liquid catcher for nursing bottles. K. H. Buck. 2,509,129, May 23.
Liquid clarifying apparatus. R. B. Thompson, N. Munro, and A. D. Marriott. 2,525,842, Oct. 17.
Liquid cleaner. R. G. King. 2,528,230, Oct. 31.
Liquid consumption device. J. R. Fish. 2,493,757; Jan. 10.
Liquid-contact device. W. W. Kraft. 2,510,590, June 6.
Liquid contactor. J. D. Russell and J. W. Woolf. 2,501,292, Mar. 21.
Liquid contents gauge. P. Goudime-Levkovitsch and S. J. Smith. 2,529,015, Nov. 7.
Liquid control apparatus. C. A. Pugh and D. G. Booth. 2,500,618, Mar. 14.
Liquid control device, Constant level. V. R. Pawelsky, L. V. McCarty, W. A. Biermann, and J. T. Dulak. 2,506,937, May 9.
Liquid cooler. R. C. Anderson. 2,504,372, Apr. 18.
Liquid cooler. L. H. Clarke. 2,496,777, Feb. 7.
Liquid cooling apparatus. J. Wyllie, Jr. 2,531,315, Nov. 21.
Liquid cooling means for electrical apparatus. K. K. Paluev. 2,525,457, Oct. 10.
Liquid depth indicator. J. More. 2,509,834, May 30.
Liquid discharging and collecting apparatus for cleaning. L. F. Thompson. 2,531,370, Nov. 21.
Liquid dispenser. C. C. Bauerlein and J. K. Lund. 2,509,798, May 30.
Liquid dispenser. T. M. Costakos. 2,519,115, Aug. 15.
Liquid dispenser. J. Varga. 2,507,840, May 16.
Liquid dispenser. J. R. Wolfe. 2,499,205, Feb. 28.
Liquid dispensing container. V. L. Roberson. 2,509,369, May 30.
Liquid dispensing pump. J. B. Moore. 2,511,287, June 13.
Liquid feed, Measured. E. E. Hageline. 2,535,204, Dec. 26.
Liquid feeding means. F. R. Ford. 2,527,181, Oct. 24.
Liquid feeding system. J. L. Ray. 2,532,856, Dec. 5.
Liquid flow control system. V. R. Pawelsky. 2,528,169, Oct. 31.
Liquid for treating motion-picture film. B. Grüter. 2,517,201, Aug. 1.
Liquid fuel burner. J. D. Peterson. 2,512,964, June 27.
Liquid fuel burner. J. Séneca y Laborde and A. Sainz y Barcenas. 2,513,682, July 4.
Liquid fuel burner apparatus. M. A. Powers. 2,515,262, July 18.
Liquid fuel burning apparatus and electrical control means therefor. A. E. Cleveland. 2,500,663, Mar. 14.
Liquid fuel furnace. W. Keay. 2,518,021, Aug. 8.
Liquid fuel vaporizing burner. B. Hayter. 2,501,847, Mar. 28.
Liquid heater. L. E. Riemenschneider. 2,514,559, July 11.
Liquid heating apparatus. E. E. Tully and R. G. Norris. 2,513,435, July 4.
Liquid-heating system, Storage type. G. E. Jodell. 2,522,373, Sept. 12.
Liquid infusion device. F. W. Perl. 2,527,447, Oct. 24.
Liquid insulated electric condenser. G. J. Krenik. 2,517,888, Aug. 8.
Liquid level and temperature control system. W. A. Ray. 2,533,624, Dec. 12.
Liquid level contactor. S. Kongelbeck. 2,535,142, Dec. 26.
Liquid level control. J. S. Baker. 2,514,361, July 11.
Liquid level control. J. R. Downing. 2,514,630, July 11.
Liquid level control. C. H. Flubacker. 2,514,632, July 11.
Liquid level control. J. E. Storment. 2,508,434, May 23.
Liquid level gauge. S. L. Adelson. 2,496,366, Feb. 7.
Liquid level gauge. C. F. Erikson. 2,514,570, July 11.
Liquid level gauge. E. Y. Guthmann. 2,531,774, Nov. 28.
Liquid level gauge. F. J. Reiter. 2,511,649, June 13.
Liquid level gauge. G. Saruchanoff. 2,516,596, July 25.
Liquid level gauge. S. J. Smith. 2,534,802, Dec. 19.
Liquid level indicating gauge. E. E. van Ham. 2,510,729, June 6.
Liquid level indicating means. W. H. Kliever. 2,530,619, Nov. 21.
Liquid level indicator. C. R. McCauley. 2,495,416, Jan. 24.
Liquid-liquid contacting. R. A. Findlay. 2,520,391, Aug. 29.
Liquid-measuring dispenser. W. T. Mathis. 2,517,796, Aug. 8.
Liquid measuring gauge. C. M. Welch. 2,534,644, Dec. 19.
Liquid media for operation of hydraulic mechanisms. A. Osborn. 2,521,402, Sept. 5.
Liquid mixing valve. K. M. Newcomer. 2,521,646, Sept. 5.
Liquid rate-of-flow indicator. J. A. Townsend. 2,519,416, Aug. 22.
Liquid regulating assembly in a spray nozzle system. A. W. Gustafson. 2,529,605, Nov. 14.
Liquid retainer, Centrifugal. E. E. Gyana. 2,524,124, Oct. 3.
Liquid sampling device. E. D. Rapisarda. 2,510,657, June 6.
Liquid seal level gauge. H. A. Quist. 2,532,940, Dec. 5.
Liquid sealed valve. H. A. Quist. 2,527,892, Oct. 31.
Liquid separation, Three-way gravity. H. N. Ekbom. 2,496,703, Feb. 7.
Liquid separator. A. Gordon. 2,530,054, Nov. 14.
Liquid soap dispenser. G. R. Barksdale. 2,529,365, Nov. 7.
Liquid-solids separator. F. T. Kern. 2,503,875, Apr. 11.
Liquid surface cooler. A. F. Pinto. 2,521,406, Sept. 5.
Liquid treating apparatus. H. E. Scarbrough and N. B. Jones. 2,494,361; Jan. 10.
Liquid treating apparatus and process. W. H. Green. 2,509,683, May 30.
Liquid treating device. W. S. Hlavin. 2,530,524, Nov. 21.
Liquid treating device, Electrical. W. Dubilier. 2,532,016, Nov. 28.
Liquid treating drum, Rotary. E. G. Wilson. 2,532,002, Nov. 28.
Liquid treatment apparatus. N. R. Collins and A. E. Esterberg. 2,499,054, Feb. 28.
Liquid treatment of filamentary material. W. A. Sisson. 2,513,432, July 4.
Liquids, Preserving edible. A. Franklin. 2,499,243, Feb. 28.
Liquors derived from cellulose manufacture, Treatment of waste. R. H. Gadret. 2,535,730, Dec. 26.
List finder. H. L. Neilsen. 2,513,422, July 4.
List finder. A. E. Pollock. 2,521,407, Sept. 5.
List finder. B. D. Smith. 2,512,840, June 27.
Lithium borohydride, Direct production of. P. F. Winternitz. 2,532,217, Nov. 28.
Lithium chloride from spodumene, Production of. E. T. Hayes, F. P. Williams, and W. M. Sternberg. 2,533,246, Dec. 12.
Lithium grease. B. B. Farrington and F. A. Leyda. 2,504,672, Apr. 18.
Lithium halides, Preparation of. V. A. Stenger. 2,516,659, July 25.
Lithium hydride, Production of. P. P. Alexander. 2,522,592, Sept. 19.
Lithium hypochlorite composition, Stable. J. D. MacMahon. 2,534,781, Dec. 19.
Lithograph blankets, Making. W. H. Smith. 2,525,003, Oct. 10.
Lithographic printing, Method and plate for. W. C. Toland and M. H. Hamilton. 2,532,866, Dec. 5.
Litter handling tool. C. O. Wotring. 2,518,432, Aug. 8

Litter rack. W. W. Cushman. 2,520,128, Aug. 29.
Live bait container. T. E. Tucker. 2,518,581, Aug. 15.
Live bait holder. H. Miller. 2,533,390, Dec. 12.
Live center, Hydraulically controlled. H. N. Williams. 2,526,182, Oct. 17.
Live minnow and fish carrier. T. C. Ward. 2,503,856, Apr. 11.
Livestock operating table. C. W. and F. L. Johnson. 2,518,146, Aug. 8.
Livestock separator. W. C. Miller and W. F. Arnett. 2,504,214, Apr. 18.
Load balancing system. E. M. Sorensen. 2,495,783, Jan. 31.
Load balancing system for dynamoelectric machines. A. F. Kenyon. 2,530,972, Nov. 21.
Load binder. V. S. Durbin. 2,512,491, June 20.
Load-break fuse switch. R. R. Pittman. 2,514,163, July 4.
Load carrier. E. M. Perrotta and G. M. Parkrose. 2,534,367, Dec. 19.
Load carrier attachment, Lawn mower. C. L. Foreit. 2,502,138, Mar. 28.
Load compensated air brake. L. I. Pickert. 2,534,622, Dec. 19.
Load compensated air brake. M. Pickert. 2,525,239, Oct. 10.
Load compensation system for electric motors, Automatic. F. Y. Grepe. 2,525,541, Oct. 10.
Load distributing arrangement between direct-current machines. G. Mozzanini and M. Lebertre. 2,521,182, Sept. 5.
Load equalizing for differential actuators. W. A. Anderson. 2,493,799; Jan. 10.
Load equalizing means for wheels of moving structures. W. B. McLean. 2,518,162, Aug. 8.
Load handling apparatus for industrial trucks. F. K. Flynn. 2,494,651, Jan. 17.
Load handling apparatus for vehicles. G. H. Pride. 2,534,057, Dec. 12.
Load handling equipment. W. M. Huston. 2,513,726, July 4.
Load handling mechanism for wheeled vehicles. J. K. Henderson and O. W. Anderson. 2,524,664, Oct. 3.
Load-handling utility vehicle. E. G. Humpal and R. O. Balogh. 2,517,434, Aug. 1.
Load indicating and control apparatus for testing machines. F. C. Huyser. 2,502,009, Mar. 28.
Load indicator. G. W. Shaw. 2,505,070, Apr. 25.
Load limit control. L. M. Matthews. 2,506,805, May 9.
Load limiting means for use with refrigeration and other valves. H. T. Lange. 2,530,706, Nov. 21.
Load-moving machine, Vehicle mounted. G. B. Hill and R. U. Zollars. 2,508,643, May 23.
Load relieving device for telescopic piston and cylinder units, Side. S. Foster. 2,495,516, Jan. 24.
Load responsive brake. W. G. Ransom. 2,523,057, Sept. 19.
Load transfer assembly. E. S. Mathers. 2,521,643, Sept. 5.
Load transfer device. R. C. Yeoman. 2,505,929–30, May 2.
Load transfer device. R. C. Yeoman. 2,509,180, May 23.
Load transfer device. R. C. Yeoman. 2,509,663, May 30.
Loader. W. B. Richardson. 2,506,107, May 2.
Loader, Adjustable elevation grain. J. R. Howe. 2,533,261, Dec. 12.
Loader and stacker, Hay. E. Holmer. 2,506,150, May 2.
Loader attachment, Hydraulic tractor. P. S. Mefferd. 2,501,231, Mar. 21.
Loader attachment, Manure. W. C. Snyder. 2,501,243, Mar. 21.
Loader attachment, Tractor mounted. J. B. Kucera. 2,526,954, Oct. 24.
Loader, Automatic vehicle. T. T. Baldt. 2,496,192, Jan. 31.
Loader, Bale. F. W. Friedrich. 2,507,627, May 16.
Loader, Bale. E. F. Sims. 2,518,083, Aug. 8.
Loader, Baled hay. J. M. Crofoot. 2,525,870, Oct. 17.
Loader, Baled hay. E. I. Eicher. 2,518,606, Aug. 15.
Loader, Baled hay. D. D. McDermott. 2,531,070, Nov. 21.
Loader, Beet. J. M. Schuch. 2,522,304, Sept. 12.
Loader, Charging box. J. S. Townsend. 2,518,404, Aug. 8.
Loader for tractors, Hydraulic. E. H. Lacey. 2,511,439, June 13.
Loader, Grain. N. J. Kemmer. 2,511,672, June 13.
Loader, Hydraulic. B. L. Montague. 2,510,411, June 6.
Loader, Log. R. C. Symons. 2,525,735, Oct. 10.
Loader, Magazine. J. J. Bilodeau. 2,531,387, Nov. 28.
Loader, Manure. L. M. Fourman. 2,493,397, Jan. 3.
Loader or conveyer. W. F. Rose. 2,527,452, Oct. 24.
Loader, Overhead shovel. C. R. Hoover. 2,529,338, Nov. 7.
Loader, Shovel. E. A. Dingley. 2,535,727, Dec. 26.
Loader, Shovel. R. M. Ulrich. 2,501,797, Mar. 28.
Loader, Tractor-mounted. C. W. Mott. 2,524,203, Oct. 3.
Loader, Tractor mounted manure. D. K. Struthers and G. W. Schroeder. 2,503,522, Apr. 11.
Loader, Tractor mounted vehicle. L. H. Lull. 2,517,582, Aug. 8.
Loader, Truck. L. L. Troutman. 2,525,384, Oct. 10.
Loader, Web belt. M. J. Grebowiec. 2,499,139, Feb. 28.
Loader yoke mechanism, Overhead. L. R. Thorne. 2,518,096, Aug. 8.
Loading and cleanout device, Pipe-line cleaner. W. H. Roberts. 2,493,504, Jan. 3.
Loading and gathering apparatus for tractors. C. L. Best. 2,494,684, Jan. 17.
Loading and storing device, Collapsible. R. Gondar. 2,498,414, Feb. 21.
Loading and transporting logs and other materials, Method and apparatus for. C. E. Whittle. 2,529,752, Nov. 14.
Loading and unloading apparatus for ships and the like, General utility. A. E. R. Schneider. 2,522,466, Sept. 12.
Loading and unloading device. E. J. Adams. 2,512,988, June 27.
Loading and unloading device for vehicle bodies. T. A., C. C., and R. T. Wyatt. 2,534,156, Dec. 12.
Loading and unloading device for vehicles, Log. J. S. Gilbey 2,496,388, Feb. 7.
Loading and unloading means for trailers. J. E. Hoover. 2,507,252, May 9.
Loading and unloading mechanism for vehicles. J. Paiement. 2,523,916, Sept. 26.
Loading apparatus. T. Mensforth. 2,528,012, Oct. 31.
Loading apparatus. G. W. Soderman. 2,514,099, July 4.
Loading apparatus, Film. R. W. Armstrong, R. Sardeson, and E. H. Savela. 2,497,430, Feb. 14.
Loading apparatus, Freight. S. M. Nampa, K. J. Tobin, and H. L. Dunlap. 2,497,683, Feb. 14.
Loading attachment, Tractor. G. T. Baker. 2,520,451, Aug. 29.
Loading device, Cartridge clip. E. F. Wangrow. 2,493,048, Jan. 3.
Loading device, Chalk. M. A. Gumbel. 2,511,845, June 20.
Loading device for industrial trucks, Keg puller. D. Wessman. 2,496,079, Jan. 31.
Loading device for rubber and plastic mills and the like, Safety brake. K. B. Conner. 2,513,453, July 4.
Loading device, Tractor operated. L. W. Smith. 2,531,993, Nov. 28.
Loading device, Trainer control. R. W. Jenny. 2,514,606. July 11.
Loading equipment, Vehicle. V. A. Galloway and R. Wilkes. 2,522,441, Sept. 12.
Loading freight cars, Method and apparatus for. A. E. Woods. 2,530,444, Nov. 21.
Loading machine, Baled hay. W. D. and T. O. Vaughn. 2,495,647, Jan. 24.
Loading mechanism, Postage meter. C. D. Ryan and E. P. Drake. 2,521,749, Sept. 12.
Loading mechanism, Wagon. R. G. Le Tourneau. 2,506,930, May 9.
Loading or charging gear. P. E. Veldhuizen. 2,513,696, July 4.
Loading paper fibers with organopolysiloxane coated clay. M. M. Safford. 2,510,661, June 6.
Loading structure for shipping vehicles. J. F. Wisner. 2,518,413, Aug. 8.
Localizer and glide path indicator, Night landing visual. D. C. Weiss. 2,497,427, Feb. 14.
Localizer embodying a universal level, Intraocular. D. A. McCoy. 2,526,493, Oct. 17.
Locating and tracking a distant body, Method of and apparatus for. W. Sackville. 2,506,617, May 9.
Locating apparatus for glass bending molds. W. A. Smith. 2,518,951, Aug. 15.
Locating device. H. Abrevaya. 2,500,225, Mar. 14.
Locating device. F. Offner. 2,517,702, Aug. 8.
Locating device, Ground fault. K. J. Barnes. 2,529,126, Nov. 7.
Locating discontinuities by pulses of radiant energy. R. B. De Lano, Jr. 2,494,990, Jan. 17.
Locating neutral point brush settings. P. D. Zemansky. 2,529,529, Nov. 14.
Locating sound signals on magnetic type sound record carriers, Process of and apparatus for. O. Kurt and A. C. G. Petersen. 2,512,432, June 20.
Locating system, Object. W. A. Stewart. 2,523,455, Sept. 26.
Locating welds in hollow metal bodies, Method and apparatus for. C. E. Boucher. 2,532,536, Dec. 5.
Location of faults in electrical transmission systems. M. C. Biskeborn. 2,493,800; Jan. 10.
Location of faults in electrical transmission systems. R. A. Kempf. 2,499,759, Mar. 7.
Locator, Center. F. Leto. 2,496,099, Jan. 31.
Locator, Electronic metal. M. L. Mages. 2,502,626, Apr. 4.
Locator for maps, plats, and charts, Geographical position. E. C. Harris. 2,516,569, July 25.
Locator for slide rules, Decimal point. C. Christen. 2,526,730, Oct. 24.
Locator, Hole. T. V. Ogden. 2,528,775, Nov. 7.
Locator, Interface. D. Silverman. 2,524,933, Oct. 10.
Locator system, Visual runway. R. B. Whitaker. 2,497,383, Feb. 14.
Lock: *See*—
Adjustable combination keyless lock.
Adjustable lock.
Aircraft control surface lock.
Automatic firearm breech bolt lock.
Automobile trunk lock.
Auxiliary door lock.
Ball tumbler type cylinder lock.
Bathroom lock.
Bayonet lock.
Book lock.
Breech hood and breech bolt lock.

Lock: *See*—Continued.
Camera shutter trigger lock.
Closure lock.
Combination lock.
Cord lock.
Cutter blade lock.
Cylinder door band lock.
Cylinder lock.
Door lock.
Door spindle key lock.
Driver's safety door lock.
Elevator lock.
Exit lock.
Extension column lock.
Forget-proof window lock.
Fuel tank lock.
Garment lock.
Gas piston operated breechblock lock.
Gate lock.
Hidden container lock.
Hydraulic lock.
Inertia operated pivoted bolt lock.
Key controlled tumbler lock.
Ladder lock.
Motor lock.
Multiple safety lock.
Nose gear down lock.
Pistol lock.
Pivoted breech bolt lock.
Portable clamp lock.
Push-button lock.
Railway switch lock.
Sash lock.
Single or multiple key lock.
Slide fastener lock.
Sliding door lock.
Snap-on drawer lock.
Spring nut lock.
Steering wheel lock.
Tent pole lock.
Truck lock.
Umbrella lock.
Vacuum operated door lock.
Valve stem lock.
Visible index signal lock.
Wall tool thread lock.
Window lock.
Window sash lock.
Window sash spacer lock.

Lock. M. S. Elmer. 2,517,185, Aug. 1.
Lock. W. B. Goughnour. 2,494,754, Jan. 17.
Lock. C. A. Hillgren. 2,533,582, Dec. 12.
Lock. G. E. Redenbaugh. 2,529,421, Nov. 7.
Lock. G. E. Swanson. 2,527,086, Oct. 24.
Lock. G. W. Wardwell, Jr. 2,497,750, Feb. 14.
Lock-alarm combination. H. H. Kempf. 2,515,517, July 18.
Lock and adjuster, Window. M. W. Hoppe. 2,511,636, June 13.
Lock and movable shield plate for field gun mounts, Travel. J. P. O'Sullivan. 2,500,959, Mar. 21.
Lock and spreader for portable rolling ladders, Combined. T. C. Campbell. 2,521,114, Sept. 5.
Lock control and indication, Switch. W. H. Claus. 2,496,580. Feb. 7.
Lock detector, Engine starter liquid. S. Gilbert. 2,494,385; Jan. 10.
Lock device for railway track switches and the like. H. L. Bone, G. L. Temple, and J. W. Logan, Jr. 2,517,280, Aug. 1.
Lock for automobiles, Rear door. D. J. Repko. 2,499,972, Mar. 7.
Lock for blinds, Cord. H. H. Nelson. 2,507,610, May 16.
Lock for breech bolts of automatic shotguns, Sliding. G. M. Tassan. 2,527,895, Oct. 31.
Lock for cabinets. J. H. Page. 2,515,421, July 18.
Lock for collet tubes, Nut. J. D. Petsche. 2,493,926; Jan. 10.
Lock for cylinders, Automatic safety. F. W. Howland. 2,518,548, Aug. 15.
Lock for detachable strap handles. W. Castedello and W. G. Lohmeyer, Jr. 2,534,810, Dec. 19.
Lock for dial gauges, Stem. E. L. Duchesne. 2,495,240, Jan. 24.
Lock for doors and the like. F. P. Fernandez. 2,532,399, Dec. 5.
Lock for doors and windows. M. R. Deyo. 2,497,982, Feb. 21.
Lock for electric terminal connections. J. W. Davis. 2,511,906, June 20.
Lock for elevator doors, Safety. V. Carta. 2,521,965, Sept. 12.
Lock for extensible masts, Safety. J. Moon and J. F. Shaw. 2,508,835, May 23.
Lock for firearms, Safety. C. A. Young. 2,530,560, Nov. 21.
Lock for firearms, Trigger. G. D. Childs and P. J. Warnke. 2,512,140, June 20.
Lock for grain elevator man lifts, Safety. F. E. Vance. 2,497,245, Feb. 14.
Lock for guns, Trigger. E. W. Lind. 2,503,953, Apr. 11.
Lock for inserted blade cutters, Double wedge. F. A. Hart. 2,499,994, Mar. 7.
Lock for landing gears, Down. J. R. Clark and G. P. Mina. 2,507,962, May 16.
Lock for license plates, Safety. W. T. Martin. 2,501,474, Mar. 21.
Lock for motor vehicles, Automatic safety door. C. H. Preston. 2,519,197, Aug. 15.
Lock for motor vehicles, Electrically operated. P. S. Craig. 2,499,727. Mar. 7.
Lock for oil well pumps, Top. D. M. and D. G. Gall. 2,509,223, May 30.
Lock for pneumatic thread removers. R. G. Turner. 2,520,580, Aug. 29.
Lock for safes, Combined permutation and auxiliary. E. O'Brien. 2,494,575, Jan. 17.
Lock for safety deposit boxes. R. T. Ellis. 2,524,696, Oct. 3.
Lock for sliding aircraft cockpit canopies, Safety. M. E. Roth. 2,505,651, Apr. 25.
Lock for swinging doors, Portable. B. N. Wickwire. 2,532,586, Dec. 5.
Lock for toy ironing boards, Three-way. E. Melberg. 2,497,620, Feb. 14.
Lock for typewriting machines, Keyboard. A. C. Holt. 2,510,577, June 6.
Lock for vehicles, Brake pedal. W. M. Cade. 2,497,293, Feb. 14.
Lock for window sashes, Safety. E. A. Barnes. 2,532,881, Dec. 5.
Lock keeper cover. L. F. Bienek. 2,520,195, Aug. 29.
Lock means for extension table slides. T. E. McFall. 2,511,282, June 13.
Lock means for multiple control elements. W. E. Gustin. 2,508,023, May 16.
Lock mechanism, Vehicle door. C. W. Ashley. 2,507,328, May 9.
Lock nut. L. N. Brutus. 2,520,122, Aug. 29.
Lock nut. B. Currlin. 2,502,642, Apr. 4.
Lock nut. H. R. Harding. 2,518,467, Aug. 15.
Lock nut. H. R. Harding. 2,518,469, Aug. 15.
Lock nut. L. T. Hein. 2,507,569, May 16.
Lock nut. J. F. Lipscomb. 2,509,647, May 30.
Lock nut. F. D. Saylor. 2,502,892, Apr. 4.
Lock nut. R. F. Warren, Jr. 2,506,477, May 2.
Lock nut and bolt, Threadless. E. W. Corrigan and W. R. Lindner. 2,521,567, Sept. 5.
Lock nut and washer, Combination. L. Tarwater. 2,529,854, Nov. 14.
Lock nut, Crane hook. J. L. Criswell. 2,493,282, Jan. 3.
Lock nut, Lubricated. H. R. Harding. 2,518,468, Aug. 15.
Lock nut, Thread gripping. C. D. Tripp. 2,519,417, Aug. 22.
Lock open device, Circuit breaker shock operated. C. J. Yarrick. 2,506,187, May 2.
Lockout device for party line telephones. B. P. del Rosario. 2,504,814, Apr. 18.
Lock release in railway signaling systems, Approach. I. F. Cadman. 2,532,832, Dec. 5.
Lock screw or the like. L. N. Brutus. 2,520,121, Aug. 29.
Lock screw, Special. R. L. Kindsvatter. 2,532,815, Dec. 5.
Lock slider, Automatic. D. Marinsky. 2,502,055, Mar. 28.
Lock slider, Automatic. L. H. Morin. 2,533,034, Dec. 5.
Lock slider, Automatic. L. H. Morin. 2,535,506, Dec. 26.
Lock slider, Automatic. P. Natzler. 2,535,508, Dec. 26.
Lock slider for separable fasteners, Reversible automatic. L. H. Morin. 2,520,326, Aug. 29.
Lock washer. C. A. Brooks. 2,533,916, Dec. 12.
Lock washer. F. Long. 2,509,158, May 23.
Lock washer. A. H. Thompson. 2,518,399, Aug. 8.
Locked-in oscillator circuit. B. S. Vilkomerson. 2,513,763, July 4.
Locked nut unlocking socket wrench. O. D. Gray. 2,528,430, Oct. 31.
Locker latch. N. H. Rudolph. 2,498,508, Feb. 21.
Locket. A. F. Reilly. 2,501,917, Mar. 28.
Locking and releasing device for shift keys on typewriters, Automatic. R. Büchel. 2,499,053, Feb. 28.
Locking apparatus. A. J. Dohm. 2,520,459, Aug. 29.
Locking apparatus, Hydraulic. O. A. Kehle. 2,507,601, May 16.
Locking apparatus, Substation. H. F. Obergfell. 2,494,449; Jan. 10.
Locking bracket. W. Kes. 2,495,106, Jan. 17.
Locking closure. E. E. Dixon. 2,524,430, Oct. 3.
Locking control for closures, Pull. H. Eichacker. 2,514,317, July 4.
Locking control mechanism, Manual. C. A. Arens. 2,509,202, May 30.
Locking device. C. R. Abraham. 2,504,483, Apr. 18.
Locking device. F. P. Bohne. 2,523,806, Sept. 26.
Locking device. W. F. Klemm. 2,518,334, Aug. 8.
Locking device. K. J. J. McGowan. 2,520,848, Aug. 29.
Locking device. J. Stanley, Jr. 2,514,523, July 11.
Locking device. E. D. Williams. 2,511,522, June 13.
Locking device, Adjustable. L. L. Deal. 2,521,835, Sept. 12.
Locking device, Adjustable. L. L. Deal. 2,531,971, Nov. 28.
Locking device, Automatic door. F. T. Pivero. 2,530,628, Nov. 21.
Locking device, Automobile door safety. M. Miller. 2,495,860, Jan. 31.
Locking device, Brake. A. Elenewicz. 2,504,258, Apr. 18.
Locking device, Differential. J. A. Misener. 2,501,956, Mar. 28.
Locking device for core barrels and the like. J. M. Walker, Jr. 2,521,886, Sept. 12.
Locking device for coupling semitrailers for draft vehicles. R. W. Starr. 2,515,574, July 18.
Locking device for nuts and bolts. L. F. Howard. 2,534,446, Dec. 19.
Locking device for pipe joints. H. N. Webster. 2,505,631, Apr. 25.
Locking device for pressure fluid motors. P. Audemar. 2,515,287, July 18.
Locking device for push-pull controls. W. H. D. Brouse. 2,496,931, Feb. 7.
Locking device for rocking chairs. A. J. Belisle. 2,500,789, Mar. 14.
Locking device for rocking chairs. A. J. Belisle. 2,524,418, Oct. 3.

Locking device for typewriter platens, Page end. P. J. Casey. 2,515,694, July 18.
Locking device for valves and the like. F. H. Mueller. 2,530,899, Nov. 21.
Locking device, Hinged rod-joint. O. C. Ammons. 2,495,801, Jan. 31.
Locking device, Hub cap. L. W. Flowers and H. J. Green. 2,535,126, Dec. 26.
Locking device in irreversible transmissions. S. Pile. 2,498,843, Feb. 28.
Locking device, Knee joint. M. Clark. 2,512,826, June 27.
Locking device, Vehicle steering wheel. R. E. Field. 2,531,675, Nov. 28.
Locking device, Window. N. E. Anderson. 2,503,606, Apr. 11.
Locking holder. O. B. Jacobs. 2,496,726, Feb. 7.
Locking means, Barrel cover. F. Mauer. 2,493,204, Jan. 3.
Locking means for clothes-washing machines. J. H. Palmer. 2,497,685, Feb. 14.
Locking means for door latches. F. Kaiser. 2,505,188, Apr. 25.
Locking means for expansible loose-leaf binders. E. Hazel, Jr. 2,516,382, July 25.
Locking means for outboard motors. A. S. Tenner. 2,529,432, Nov. 7.
Locking means for pins and the like. E. Ruch. 2,530,083, Nov. 14.
Locking means for servomotors, Piston operated. A. Rappl. 2,524,271, Oct. 3.
Locking means for speedometer drive shafts. H. A. Earnest. 2,519,828, Aug. 22.
Locking means for throwout crank arms of sliding doors. S. B. Haseltine. 2,504,263, Apr. 18.
Locking means in laundry marking machines, Type wheel. W. S. Petty. 2,529,226, Nov. 7.
Locking means, Releasable tone arm. J. L. Giovannucci. 2,506,665, May 9.
Locking means, Stud assembly instrument connection. P. De Lamater. 2,523,001, Sept. 19.
Locking mechanism, Automatic firearm breech bolt. H. Lippert, and E. Hepperle. 2,523,704, Sept. 26.
Locking mechanism, Cigar lighter. W. I. Nissen. 2,520,328, Aug. 29.
Locking mechanism for beam racks. G. B. Keith. 2,525,551, Oct. 10.
Locking mechanism for cabinets, instrument cases, and the like. C. W. Fischer. 2,511,253, June 13.
Locking mechanism for folding back rests. F. L. Shively. 2,523,452, Sept. 26.
Locking mechanism for operation-control mechanism for motion-picture cameras. I. Cisski. 2,493,443, Jan. 3.
Locking mechanism for the hose connecting member for suction cleaners. J. van der Heem. 2,522,075, Sept. 12.
Locking receptacle. A. H. Maclaren. 2,499,765, Mar. 7.
Locking safety pin. E. P. Manolopulos. 2,519,915, Aug. 22.
Locking structure, Desk pedestal. T. A. Hearn. 2,498,271, Feb. 21.
Locking structure, Drawer cabinet. S. G. Budai and J. H. Brinker. 2,501,932, Mar. 28.
Locking system, Door. D. T. Ayers, Jr. 2,506,851, May 9.
Locking system, Door. J. G. Ingres and D. T. Ayers, Jr. 2,505,401, Apr. 25.
Locking, threading assembly. F. L. Lord. 2,508,409, May 23.
Locking type hair-waving rod. R. F. Burch, Sr. 2,530,374, Nov. 21.
Locomotive. C. D. Barrett. 2,521,142, Sept. 5.
Locomotive. C. Kerr, Jr., and W. A. Brecht. 2,525,490, Oct. 10.
Locomotive. J. C. Maris. 2,510,931, June 6.
Locomotive, Articulated. A. L. Lee. 2,506,460, May 2.
Locomotive cab construction. A. G. Finigan, F. Bruchtel, and M. P. Blomberg. 2,530,762, Nov. 21.
Locomotive construction providing improved tractive effort characteristics. A. J. Townsend and J. J. Kirchhof. 2,518,403, Aug. 8.
Locomotive control system. T. L. Weybrew. 2,523,169, Sept. 19.
Locomotive control system. C. C. Whittaker and W. H. Eunson. 2,512,402, June 20.
Locomotive control system, Turbine-electric. C. E. Baston. 2,525,472, Oct. 10.
Locomotive draft chamber. J. G. Vallely. 2,532,208, Nov. 28.
Locomotive front end. L. R. Pyle. 2,528,287, Oct. 31.
Locomotive running gear. J. C. Maris. 2,503,502, Apr. 11.
Locomotive steam controlling system. J. Kirchhof. 2,518,024, Aug. 8.
Locomotive, Tramming. A. L. Lee. 2,530,472, Nov. 21.
Locomotive with coal-fired gas turbine, Generating electric. J. I. Yellott. 2,533,866, Dec. 12.
Log barker having water-jets oscillatable about longitudinal log axis. G. M. Johnson. 2,501,848, Mar. 28.
Log-debarker having swingable frame mounting a driven feed wheel, Portable. O. Bouchard. 2,498,786, Feb. 28.
Log handling mechanism. P. Schroeder. 2,527,036, Oct. 24.
Log roller. J. M. Payton. 2,522,837, Sept. 19.
Log stake releaser. L. L. Bruso. 2,526,930, Oct. 24.
Log turner. A. R. Marshall. 2,517,007, Aug. 1.
Log turner for portable sawmills. F. Danzer. 2,530,683, Nov. 21.
Logging hook. M. Gerum. 2,531,422, Nov. 28.
Logging of wells, Radio-activity. J. T. Hayward. 2,528,955, Nov. 7.
Logging system, Electrical well. P. W. Martin. 2,501,953, Mar. 28.
Logging wells. P. E. Chaney. 2,526,857, Oct. 24.
Logs of drill holes, Method and apparatus for producing neutron. J. M. Thayer, R. E. Fearon, and G. Swift. 2,515,534, July 18.
Loin knife and electric scribe, Combination. H. R. Harter. 2,510,173, June 6.
Longitudinal road joint support. E. J. Webb. 2,531,899, Nov. 28.
Longitudinally separable extruded thermoplastic strip and producing same. P. H. Seckel. 2,531,234, Nov. 21.
Loom: *See*—
Lace loom.
Spool axminster carpet loom.
Loom. O. Firing. 2,497,077, Feb. 14.
Loom. M. Pääbo. 2,219,786, Aug. 22.
Loom check, Hydraulic. R. O. Balogh. 2,506,697, May 9.
Loom check linkage. C. H. Bacon. 2,513,907, July 4.
Loom creel and tensioning means therefor, Portable. L. E. Bryant. 2,527,700, Oct. 31.
Loom for use in occupational therapy. B. E. Allan and A. M. Bourdillon. 2,502,691, Apr. 4.
Loom for weaving of hose, Circular. C. Christiansen and G. O. K. Rüsch. 2,514,842, July 11.
Loom for weaving pile fabrics. J. F. Lockley. 2,509,776, May 30
Loom frame. R. G. Mallard and E. H. Ashton. 2,533,128, Dec. 5.
Loom frame and parts. J. M. Tuten. 2,504,939, Apr. 18.
Loom harness. J. J. Kaufmann. 2,511,822, June 13.
Loom harness lifter. P. T. Hipp. 2,532,496, Dec. 5.
Loom lay and beam. E. C. Nichols. 2,529,456, Nov. 7.
Loom picking mechanism and shaft therefor. G. C. Beatrice. 2,495,503, Jan. 24.
Loop pile carpet fabric. E. C. Bloch. 2,497,716, Feb. 14.
Loom shuttle. D. E. Houghton. 2,534,598, Dec. 19.
Loom shuttle. E. B. Tifft. 2,501,624, Mar. 21.
Loom shuttle tensioning device. J. J. Kaufmann, Jr. 2,518,696, Aug. 15.
Loom with stationary weft supply. C. Clutsom. 2,532,087, Nov. 28.
Loom with stationary weft supply. J. Manning. 2,502,735, Apr. 4.
Loop bridging structure for conveyers. E. M. Crosland. 2,517,983, Aug. 8.
Looper. W. H. Mursch. 2,494,402; Jan. 10.
Looper for lock-stitch sewing machines. A. L. Ambye. 2,516,665, July 25.
Looping machine for the manufacture of artificial furs, Chenille. J. Finkelsteinas. 2,523,690, Sept. 26.
Loose-leaf binder. E. F. Buenger and J. J. Monighan. 2,512,415, June 20.
Loose-leaf binder clip. A. N. Hanna. 2,508,157, May 16.
Loose slipper rotary pump. W. T. Livermore. 2,499,763, Mar. 7.
Loosening device, Ice cube. M. J. Pollak. 2,508,123, May 16.
Loss of excitation protection. C. R. Mason, S. B. Crary, and L. F. Kennedy. 2,523,771, Sept. 26.
Lost motion adjustment for drive release couplings. C. R. Suska. 2,509,541, May 30.
Lot curbing, Cemetery. F. S. Walker. 2,532,524, Dec. 5.
Lottery machine, Drop ball. Y. Okamoto. 2,525,716, Oct. 10.
Loudspeaker and mounting therefor, Electrodynamic. G. S. Carbonneau. 2,522,859, Sept. 19.
Loud-speaker, Double diaphragm. J. F. Marquis. 2,496,589, Feb. 7.
Loud-speaker, Eddy current. J. W. Suydam. 2,494,782, Jan. 17.
Loudspeaker, Electrodynamic pillow-type. J. D. Zimmerman. 2,523,802, Sept. 26.
Loud-speaker, Helmet mounted. G. H. Eash. 2,497,871, Feb. 21.
Loudspeaker, Immersible electrodynamic. J. D. Seabert. 2,517,138, Aug. 1.
Loud-speaker, Inductively energized electrodynamic. W. K. Volkers. 2,494,918, Jan. 17.
Loud-speaker, Multiple section diaphragm. F. A. Lindley. 2,534,040, Dec. 12.
Loudspeaker, Permanent magnet electrodynamic. E. L. Russell. 2,524,836, Oct. 10.
Loud-speaker structure adapted for ready assembly, Permanent magnet electrodynamic. S. E. Levy. 2,532,414, Dec. 5.
Loud-speaker with diaphragm and integral part of outer casing. F. Massa. 2,496,483, Feb. 7.
Loud speakers, Manufacturing. J. P. Quam. 2,524,297, Oct. 3.
Lounge chair. F. J. Luketa. 2,526,248, Oct. 17.
Loupe and illuminating means, Combined. S. J. Smith and P. F. Willis. 2,503,850, Apr. 11.
Louver, Automatic. W. A. Pledger. 2,526,770, Oct. 24.
Louver operator, Adjustable. L. G. Brown. 2,506,771, May 9.
Low alloy steel containing titanium. E. Marburg. 2,495,854, Jan. 31.
Low drop voltage regulator. K. D. Jenkins. 2,519,377, Aug. 22.

Low-frequency control for welding, Single phase. J. R. Parsons and C. B. Stadum. 2,510,652, June 6.
Low melting flux. H. H. Block. 2,498,199, Feb. 21.
Low-methoxyl polyvalent metal pectinate fibers. H. S. Owens and H. Lotzkar. 2,495,757, Jan. 31.
Low reflectance skeletonized surface on glass, Production of. F. H. Nicoll and F. E. Williams. 2,529,703, Nov. 14.
Low temperature polymerization catalyst and using same. R. W. Dornte and J. F. McKay, Jr. 2,516,683, July 25.
Low tension sparking plug. W. B. Smits. 2,507,278, May 9.
Low-tension sparking plug. W. B. Smits. 2,527,489, Oct. 24.
Low-voltage attachment switch. J. H. Wegehoft. 2,524,215, Oct. 3.
Lower fifth wheel. W. C. Nabors. 2,530,311, Nov. 14.
Lowerator, Loose fruit. G. M. Criger. 2,506,779, May 9.
Lowering device, Safety. C. H. Sherbrook and L. F. Nolley. 2,502,896, Apr. 4.
Lowering valve. W. T. Stephens. 2,495,785, Jan. 31.
Lubricant. D. E. Adelson. 2,512,784, June 27.
Lubricant. M. S. Altamura. 2,493,213, Jan. 3.
Lubricant. T. W. Evans and R. Whetstone. 2,524,563, Oct. 3.
Lubricant. O. M. Reiff and H. J. Andress, Jr. 2,500,498, Mar. 14.
Lubricant. O. M. Reiff and H. J. Andress, Jr. 2,528,782, Nov. 7.
Lubricant. A. Wachter and N. Stillman. 2,514,017, July 4.
Lubricant. G. R. Waitkins. 2,506,049, May 2.
Lubricant, an additive therefor and making the additive, Liquid hydrocarbon. M. B. Goren and D. E. Adelson. 2,511,630, June 13.
Lubricant composition. J. D. Bartleson. 2,506,572–3, May 9.
Lubricant composition. J. D. Bartleson. 2,516,844, Aug. 1.
Lubricant composition. W. E. Garwood, F. M. Seger, and A. N. Sachanen. 2,500,167, Mar. 14.
Lubricant composition. E. Lieber. 2,494,341; Jan. 10.
Lubricant composition. E. Lieber. 2,500,762, Mar. 14.
Lubricant composition. E. Lieber. 2,526,490, Oct. 17.
Lubricant composition. E. Lieber and A. F. Cashman. 2,515,129, July 11.
Lubricant composition. H. D. Norris and J. H. McCracken. 2,503,290, Apr. 11.
Lubricant composition composed of high-titre soap, borax, and an inorganic compound. G. H. Orozco and J. A. Henricks. 2,530,837, Nov. 21.
Lubricant composition, Nonfoaming. J. S. Wallace. 2,533,700, Dec. 12.
Lubricant compositions containing beryllium carboxylates. J. F. McGrogan. 2,512,359, June 20.
Lubricant compositions containing dialkyl diselenides. G. H. Denison, Jr. and P. C. Condit. 2,528,346, Oct. 31.
Lubricant compositions containing organic oxidized and sulfurized esters. H. G. Smith, T. L. Cantrell, and J. G. Peters. 2,513,060, June 27.
Lubricant comprising reaction product of an olefin, a phosphorus sulfide, and water. J. D. Bartleson. 2,534,217, Dec. 19.
Lubricant coolant solution. T. T. Rodgers. 2,533,328, Dec. 12.
Lubricant-dispensing apparatus. R. J. Gray. 2,499,061, Feb. 28.
Lubricant-dispensing apparatus. R. J. Gray. 2,510,972, June 13.
Lubricant feeder. R. G. Brownstein. 2,505,522, Apr. 25.
Lubricant for application to bolt stock or the like, Upsetting-die. C. G. Canney. 2,531,553, Nov. 28.
Lubricant, Marine engine. C. E. Francis and R. C. Jones. 2,493,483, Jan. 3.
Lubricant, Metalworking. R. T. Hance, and H. C. O'Brien, Jr. 2,524,017, Sept. 26.
Lubricant pump. F. C. Woelfer. 2,521,671, Sept. 5.
Lubricant purification system and apparatus. J. F. Werder. 2,500,781, Mar. 14.
Lubricant receiving fitting, High-pressure. G. F. Thomas. 2,504,055, Apr. 11.
Lubricant scavenging pump means. W. L. Weeks, C. A. Stewart, and W. H. Holmes. 2,503,016, Apr. 4.
Lubricant, Solvent resistant low temperature. A. B. Small and R. M. Thomas. 2,514,296, July 4.
Lubricant, Stabilized. E. L. Walters and H. E. Sipple. 2,514,982, July 11.
Lubricant, Synthetic. S. A. Ballard, R. C. Morris, and J. L. Van Winkle. 2,510,540, June 6.
Lubricant, Synthetic. W. E. Garwood, F. M. Seger, and A. N. Sachanen. 2,500,164, Mar. 14.
Lubricant system of control for automobile engines. R. Y. Barkley. 2,523,937, Sept. 26.
Lubricant, Wire drawing. F. A. Fink. 2,500,810, Mar. 14.
Lubricants. E. C. Hughes and J. D. Bartleson. 2,506,597, May 9.
Lubricants. J. W. Jordan. 2,531,440, Nov. 28.
Lubricants. L. A. Mattano and L. W. Mixon. 2,503,401, Apr. 11.
Lubricants and extreme pressure additives therefor. E. B. Cyphers and L. J. Osborne, Jr. 2,498,628, Feb. 28.
Lubricants containing copolymers of ethylene and vinyl acetate. D. D. Coffman and J. F. Lontz. 2,499,723, Mar. 7.
Lubricants, Extreme pressure. E. B. Cyphers. 2,494,332; Jan. 10.
Lubricants, Extreme pressure. G. M. McNulty and E. B. Cyphers. 2,511,731, June 13.
Lubricants, Extreme pressure. L. A. Mikeska and E. B. Cyphers. 2,529,304, Nov. 7.
Lubricants, Producing synthetic. R. B. de Casson and L. Hemmer. 2,518,529, Aug. 15.
Lubricants, Stabilized extreme pressure. J. S. Fawcett. 2,511,250, June 13.
Lubricants, Synthetic. H. G. Doherty, A. N. Sachanen, and F. M. Seger. 2,500,159, Mar. 14.
Lubricants, Synthetic. H. G. Doherty, A. N. Sachanen, and F. M. Seger. 2,500,165, Mar. 14.
Lubricants, Synthetic. W. E. Garwood. 2,500,163, Mar. 14.
Lubricants, Synthetic. W. E. Garwood, F. M. Seger, and A. N. Sachanen. 2,500,247, Mar. 14.
Lubricants, Synthetic. W. E. Garwood, J. W. Brooks, and A. N. Sachanen. 2,500,672, Mar. 14.
Lubricants, Synthetic. O. M. Reiff, H. J. Andress, Jr., and A. P. Kozacik. 2,500,203, Mar. 14.
Lubricants, Synthetic. F. M. Seger and A. N. Sachanen. 2,500,160, Mar. 14.
Lubricants, Synthetic. F. M. Seger and A. N. Sachanen 2,500,166, Mar. 14.
Lubricated friction clutch. H. F. Hobbs. 2,498,123, Feb. 21.
Lubricated valve. F. H. Mueller. 2,495,596, Jan. 24.
Lubricating and dispensing apparatus. W. Y. Brown. 2,514,441, July 11.
Lubricating apparatus. J. T. Leonard. 2,511,779, June 13.
Lubricating apparatus. J. T. Leonard. 2,526,568, Oct. 17.
Lubricating apparatus. J. F. Walker. 2,521,615, Sept. 5.
Lubricating apparatus, Die. E. J. McIlvried. 2,502,471, Apr. 4
Lubricating arrangement for high-speed shafts. K. D. McMahan. 2,535,689, Dec. 26.
Lubricating bearings. D. G. Roos. 2,525,373, Oct. 10.
Lubricating box. C. M. Vigo and R. R. Nadal. 2,527,164, Oct. 24.
Lubricating composition. D. E. Adelson. 2,502,408, Apr 4.
Lubricating composition. M. J. Vold. 2,528,257, Oct. 31.
Lubricating composition, Fluid. R. L. Merker. 2,528,535, Nov. 7.
Lubricating composition, Rust-inhibiting. H. D. Kluge. 2,496,798, Feb. 7.
Lubricating compositions. S. A. Ballard, R. C. Morris, and J. L. Van Winkle. 2,522,155, Sept. 12.
Lubricating compositions. C. E. Funk, Jr. 2,535,024, Dec. 26.
Lubricating compound. S. Bloomenthal and F. E. Wood. 2,530,804, Nov. 21.
Lubricating device. C. W. Ginter. 2,529,685, Nov. 14.
Lubricating device. W. L. R. Hollingshead. 2,527,422, Oct. 24.
Lubricating device. L. J. Schulhoff. 2,515,900, July 18.
Lubricating device for elevator drive mechanisms. F. N. Jodry. 2,523,764, Sept. 26.
Lubricating device for sewing machine looptakers. F. Parry. 2,531,362, Nov. 21.
Lubricating device, Railway track. W. F. Huck. 2,518,786, Aug. 15.
Lubricating grease. A. J. Morway. 2,515,133, July 11.
Lubricating grease. D. W. Young and W. H. Smyers. 2,504,779, Apr. 18.
Lubricating grease compositions. A. J. Morway, A. Beerbower, and J. C. Zimmer. 2,497,133, Feb. 14.
Lubricating grease containing paraffin wax. R. O'Halloran. 2,534,053, Dec. 12.
Lubricating grease, Sulfonate base. L. W. Sproule and W. C. Pattenden. 2,535,101, Dec. 26.
Lubricating means. M. Shapiro. 2,514,903, July 11.
Lubricating means for crosshead pins. A. R. Maier and W. J. Redman. 2,497,089, Feb. 14.
Lubricating means for electric motor clutch drives. E. P. Turner and F. A. Hayes. 2,531,175, Nov. 21.
Lubricating means for musical instruments. E. C. George. 2,511,255, June 13.
Lubricating means for transmissions. K. M. Armantrout. 2,497,253, Feb. 14.
Lubricating metal surfaces during cold working. A. G. Rocchini and R. J. Neely. 2,529,190, Nov. 7.
Lubricating oil addends, Preparing. F. M. Watkins. 2,515,287, July 18.
Lubricating oil composition. E. S. Blake. 2,531,801, Nov. 28.
Lubricating oil composition. T. I. Clausen and J. T. Rutherford. 2,514,625, July 11.
Lubricating oil composition. L. A. Mikeska. 2,497,132, Feb. 14.
Lubricating oil composition. L. A. Mikeska. 2,506,310, May 2.
Lubricating oil composition containing four point depressant. E. Lieber and E. P. Cashman. 2,515,015, July 11.

Lubricating oil compositions. H. J. Andress, Jr. 2,506,570, May 9.
Lubricating oil, Rust-inhibiting. W. M. Leath. 2,515,520, July 18.
Lubricating oils. J. O. Clayton and W. H. Alderson. 2,501,992, Mar. 28.
Lubricating system. A. H. Dall. 2,520,879, Aug. 29.
Lubricating system. A. H. Dall and M. Martellotti. 2,520,129, Aug. 29.
Lubricating system. W. P. Dalrymple. 2,503,905, Apr. 11.
Lubricating system. W. M. Evans. 2,500,454, Mar. 14.
Lubricating system. C. C. S. Le Clair. 2,493,490, Jan. 3.
Lubricating system, Compressor. C. Steenstrup. 2,504,748, Apr. 18.
Lubricating system for clothes-washing machines. T. T. Woodson. 2,527,239, Oct. 24.
Lubricating system for gear units. N. A. Smith and F. O. Fridell. 2,535,703, Dec. 26.
Lubricating system for refrigerator motor-compressors. E. G. Rowledge and J. W. Kitson. 2,527,657, Oct. 31.
Lubricating system for sheave blocks. F. Gorrell. 2,535,915, Dec. 26.
Lubricating system, Outboard motor. A. S. Bosma. 2,496,434, Feb. 7.
Lubricating system, Pressure. G. Nemetz. 2,516,244, July 25.
Lubrication apparatus for engines. H. B. Jaynes. 2,493,350, Jan. 3.
Lubrication apparatus for twister rings. F. L. Thomason. 2,495,300, Jan. 24.
Lubrication of the ways and aprons of lathes. W. G. Hoelscher. 2,505,737, Apr. 25.
Lubrication structure, Rotor bearing. E. P. Turner and F. N. Strader. 2,504,094, Apr. 11.
Lubrication, Stuffing box. E. A. F. Presser. 2,493,312, Jan. 3.
Lubrication system. F. M. Aspin. 2,526,450, Oct. 17.
Lubrication system, Engine. D. W. Berry. 2,518,655, Aug. 15.
Lubrication system, Rocker box. G. B. Du Bois and W. G. Overs. 2,502,933, Apr. 4.
Lubricator: *See*—
Air-line lubricator.
Bullet lubricator.
Extractor drive shaft lubricator.
Force feed lubricator.
Journal bearing lubricator.
Journal lubricator.
Pressure lubricator.
Lubricator. J. F. MacIndoe. 2,498,090, Feb. 21.
Lubricator. E. Martin and J. B. MacKenzie. 2,497,822, Feb. 14.
Lubricator. L. E. Simmons. 2,513,824, July 4.
Lubricator for automobile springs. C. N. Bergstrom. 2,518,273, Aug. 8.
Lubricator for pneumatic tools. N. P. Boretti. 2,524,878, Oct. 10.
Lubricator for vehicle front wheel bearings. L. Rubertino and F. J. Novak. 2,514,799, July 11.
Lug, Electrical connecting. J. Katzman and P. Dubilier. 2,495,734, Jan. 31.
Lug fastening means for electrical shields. K. Emde. 2,533,779, Dec. 12.
Lug, Traction. E. V. Brown. 2,507,090, May 9.
Lug, Traction. H. R. Rogant. 2,522,132, Sept. 12.
Luggage carrier. M. E. Morscher. 2,497,033, Feb. 7.
Luggage compartment closure operating mechanism, Motor vehicle. A. Rappl. 2,535,600, Dec. 26.
Luggage cover. M. L. Duskin. 2,532,154, Nov. 28.
Luggage edge-binding integral strip of rubbery material. L. H. Chenoweth. 2,516,551, July 25.
Luggage having retractable wheels, Portable. C. F. Norlin. 2,510,754, June 6.
Luggage having shape-retaining end walls, Soft-sided hand. B. Platt. 2,502,632, Apr. 4.
Luggage section end wall having a peripheral undercut groove securing a buffer strip. W. S. Sykes. 2,496,182, Jan. 31.
Lumazines and alloxazines as catalysts in dye bleach baths for color photography. F. W. H. Mueller. 2,518,710, Aug. 15.
Lumber package-rescaled, divisional, bound, and protectively covered. J. E. Stewart. 2,517,939, Aug. 8.
Luminaire, Direct lighting. T. W. Rolph, and K. Franck. 2,523,394, Sept. 26.
Luminaire for elongate tubular lamps comprising telescoped extensible sections. E. F. Guth, Jr. 2,532,023, Nov. 28.
Luminaire for surgical lighting. K. Franck. 2,495,320, Jan. 24.
Luminaire, Street lighting. T. W. Rolph. 2,493,087, Jan. 3.
Luminant sign. S. M. Goffstein. 2,508,250, May 16.
Luminescent material. G. R. Fonda. 2,504,674, Apr. 18.
Luminescent materials, Manufacture of. J. H. Schulman. 2,497,140, Feb. 14.
Luminous sign. W. C. Meyer. 2,532,178, Nov. 28.
Lunch box. A. C. Eide. 2,501,894, Mar. 28.
Lunch box. E. S. Jones. 2,504,132, Apr. 18.
Lunch box. A. O. Lindstrom. 2,518,343, Aug. 8.
Lung immobilizer. J. Leyenaar. 2,494,712, Jan. 17.
Lure. F. S. Burroughs. 2,497,846, Feb. 21.
Lure. P. W. Kridler. 2,505,052, Apr. 25.
Lure. E. E. Rosinski. 2,500,707, Mar. 14.
Lure for fish, Spinning. L. T. Pareti and A. Manista. 2,493,692, Jan. 3.
Lysine and intermediates, Production of. A. Galat. 2,519,038, Aug. 15.
Lysine, Production of. N. D. Scott and A. O. Rogers. 2,498,300, Feb. 21.
M-di-tert-butylbenzenes, Halogenated. C. E. Johnson and C. E. Adams. 2,521,850, Sept. 12.
Macerater, Cornstalk. L. M. Sells and M. A. Mandelko. 2,500,914, Mar. 14.
Macerator and liquifier, Food. W. Bopp. 2,531,250, Nov. 21.
Mach meter. W. Angst. 2,522,337, Sept. 12.
Machine and apparatus, Agricultural. L. A. Marihart. 2,502,468, Apr. 4.
Machine and method, Bag stringing. B. C. Golden. Re. No. 23,196, Feb. 7.
Machine and method for applying labels to articles on a conveyer. G. W. von Hofe. 2,524,945, Oct. 10.
Machine and method for making bricks. H. M. McCan. 2,505,419, Apr. 25.
Machine and method for producing bows and pompons. H. M. Cook. 2,528,820, Nov. 7.
Machine and method for thermoactive adhesive bonding of shoe parts. F. H. Brown. 2,498,027, Feb. 21.
Machine and method for use in making ribbed strips for insoles. F. E. Bertrand and A. S. Clark. 2,528,718, Nov. 7.
Machine and method for use in making ribbed strips for insoles. A. S. Clark. 2,502,615, Apr. 4.
Machine and method of forming a package. M. Wagner. 2,532,871, Dec. 5.
Machine and process for making aggregate articles. L. C. Miller. 2,501,135, Mar. 21.
Machine and process for separating liquid from sludge. W. V. Paine. 2,533,395, Dec. 12.
Machine attachment, Knitting. F. G. Weisbecker. 2,501,246, Mar. 21.
Machine bearing protecting device. A. F. Froussard. 2,524,381, Oct. 3.
Machine for abrading shoe parts. N. H. Knowlton. 2,494,710, Jan. 17.
Machine for and method of folding. M. H. Roske. 2,526,691, Oct. 24.
Machine for and method of sewing heavy materials. J. P. Fredericksen. 2,516,861, Aug. 1.
Machine for and process of uniting looped fabrics. P. Kaplan. 2,518,552, Aug. 15.
Machine for applying a coating to the interior of pans. I. M. Archer. 2,499,621, Mar. 7.
Machine for applying a liquid coating. H. C. Rathke. 2,500,569, Mar. 14.
Machine for applying covering material to endless belts. R. R. Ambler and R. D. Weston. 2,529,859, Nov. 14.
Machine for applying decalcomanias. W. A. Simmonds. 2,511,180, June 13.
Machine for applying gaskets to glass jars or like articles. W. C. Weber. 2,507,072, May 9.
Machine for applying helical fins to cylindrical bodies by means including ironing tools. E. S. Lea. 2,498,813, Feb. 28.
Machine for applying labels about deformable articles such as balls of yarn. V. Lobasso. 2,504,993, Apr. 25.
Machine for applying labels to moving webs. N. W. Lyon and W. Luczek. 2,527,272, Oct. 24.
Machine for applying legends to safety razor blades. I. S. Bodkin. 2,515,854, July 18.
Machine for applying luminous paint, Stenciling. R. G. Fordyce. 2,529,250, Nov. 7.
Machine for applying polish to floors and like surfaces. E. A. M. Johnson. 2,499,026, Feb. 28.
Machine for applying pressure sensitive tape to conductors. J. L. Entwistle. 2,530,655, Nov. 21.
Machine for applying pressure to shoe bottoms. F. E. Cole. 2,529,798, Nov. 14.
Machine for applying solder contacts. R. G. Reynoldson. 2,523,236, Sept. 19.
Machine for applying solder to the ends of condenser bodies. H. I. Danziger. 2,510,463, June 6.
Machine for applying transfers. K. H. Brownlee. 2,493,523, Jan. 3.
Machine for ashing, roughing, and polishing articles made of plastic. E. Telenik. 2,495,036, Jan. 17.
Machine for assembling closure caps and sealing gaskets. A. A. Jahr. 2,520,315, Aug. 29.
Machine for assembling sheet form material. E. H. Schmidt and K. F. Cossaboon. 2,534,070, Dec. 12.
Machine for assembling storage battery plates. J. Anderson, Jr. 2,509,467, May 30.
Machine for assembling Venetian blinds. R. D. and F. E. Edwards. 2,532,294, Dec. 5.
Machine for automatically setting and truing the ends of the teeth of saws. A. Vigneau. 2,528,925, Nov. 7.
Machine for bending sheet metal. F. Fennell. 2,521,840, Sept. 12.
Machine for beveling notches in coulter disks. F. W. Barbknecht. 2,533,756, Dec. 12.
Machine for breaking up surface material. G. A. Trauger. 2,520,229, Aug. 29.
Machine for broaching internal gears. H. H. Gotberg. 2,522,712, Sept. 19.
Machine for burnishing and sizing openings. H. H. Gotberg and G. A. Gran. 2,515,508, July 18.

Machine for capping milk and other bottles and similar containers. A. G. Enock. 2,495,094, Jan. 17.
Machine for cementing tennis shoe tops. H. Phillips. 2,525,939, Oct. 17.
Machine for cleaning printing press rollers and analogous articles. A. J. Davies. 2,526,542, Oct. 17.
Machine for clipping onions and the like. J. R. and G. W. Urschel. 2,494,914, Jan. 17.
Machine for closing compound packages. C. Nicolle. 2,502,738, Apr. 4.
Machine for coating of articles. P. White. 2,525,986, Oct. 17.
Machine for conditioning shrimp. R. K. Swinden. 2,515,101, July 11.
Machine for cooking skewered foods. D. Nassif. 2,494,448; Jan. 10.
Machine for corrugating cardboard. P. Jacobsen. 2,505,404, Apr. 25.
Machine for cracking and flaring blanks. C. Eisler. 2,534,547, Dec. 19.
Machine for cups and the like, Trimming. J. H. Fridén. 2,529,382, Nov. 7.
Machine for cutting almonds. G. W. Stiefvater. 2,506,117, May 2.
Machine for cutting and scoring railway ties. H. E. Woolery. 2,527,668, Oct. 31.
Machine for cutting fur-bearing skins. A. G. Settel. 2,514,804, July 11.
Machine for cutting handholds in wooden box ends. H. J. Goff. 2,534,167, Dec. 12.
Machine for cutting materials into strips. D. N. Judelson. 2,526,029. Oct. 17.
Machine for cutting sheet metal. A. I. K. Slettengren. 2,494,413, Jan. 10.
Machine for cutting strips from continuous material, such as webbing, ribbon, or the like. R. L. Seidman. 2,519,201, Aug. 15.
Machine for cutting tapered ingots. R. Chelborg and L. W. Young. 2,533,311, Dec. 12.
Machine for decorating glass, Automatic. A. Marchand. 2,493,540, Jan. 3.
Machine for decrowning pineapples. E. R. Jagenburg. 2,530,201, Nov. 14.
Machine for decurling labels. H. A. Gonia. 2,531,619, Nov. 28.
Machine for deoxidizing marginal edge portions of metallic sheets. C. S. Woolford. 2,523,350, Sept. 26.
Machine for die-cutting paper. E. F. Noell. 2,495,659, Jan. 24.
Machine for enabling systematized customer notification service. E. F. Johnson. 2,532,364, Dec. 5.
Machine for equalizing tension in rubber threads before feeding the threads to thread covering machines. A. Schiappa. 2,501,413, Mar. 21.
Machine for extracting air bags. E. C. Kastner. 2,517,438, Aug. 1.
Machine for extruding plastic tubes. D. J. Weber. 2,512,844, June 27.
Machine for fabricating a cushioning packaging strip. M. Van Antwerpen. 2,504,473, Apr. 18.
Machine for facilitating changes in arrangement of strips or cards on page card files. H. H. and M. J. Feldstein. 2,494,233; Jan 10
Machine for fastening the meshes of mended knitted ware. M. A. Prodel. 2,518,638, Aug. 15.
Machine for filling cans with paste having a plunger with paste suction relief blades. H. W. MacKinnon. 2,532,777, Dec. 5.
Machine for finishing pistons. W. M. Venner and P. L. Bowser, Jr. 2,529,433, Nov. 7.
Machine for flaking plastic material. H. F. Cox, Jr. 2,499,359, Mar. 7.
Machine for flanging cylindrical shells. L. H. Johnson. 2,498,686, Feb. 28.
Machine for folding box blanks and the like. F. H. Chapman. 2,519,111, Aug. 15.
Machine for forming concrete pipe bends. W. E. Powell. 2,508,293, May 16.
Machine for forming flat coils of wire. F. A. Genua. 2,513,164, June 27.
Machine for forming leaders. J. W. Harvey. 2,518,687, Aug. 15.
Machine for forming pneumatic tire carcasses. E. W. Witt. 2,518,967, Aug. 15.
Machine for forming rosettes. W. L. Teemsma. 2,528,622, Nov. 7.
Machine for forming threaded openings. R. J. Thompson. 2,493,933; Jan. 10.
Machine for grinding and sharpening saw blades. O. M. Jensen. 2,497,775, Feb. 14.
Machine for grinding down conical points of drawn steel rods. E. D. Dean and A. H. Rogers. 2,528,042, Oct. 31.
Machine for grinding internal cone surfaces. W. Rossmanith. 2,534,531, Dec. 19.
Machine for grinding lenses. A. J. Holman and W. J. Kennedy. 2,510,113, June 6.
Machine for grooving gear shaving cutters with helical displacement of grooves. E. W. Miller. 2,523,913, Sept. 26.
Machine for grooving sheet metal pieces, including metal lids. G. A. Zeller. 2,519,869, Aug. 22.
Machine for halving and pitting drupaceous fruit. L. W. Waters. 2,531,927, Nov. 28.
Machine for harvesting green peas. P. R. Schroeppel. 2,509,371, May 30.
Machine for harvesting peanuts. J. O. Turner. 2,533,537, Dec. 12.
Machine for impaling tobacco on laths. J. L. Krist. 2,502,225, Mar. 28.
Machine for injection molding articles. O. Firing. 2,511,402, June 13.
Machine for inserting coils in electric stators. J. Polard. 2,506,173, May 2.
Machine for internally spraying collapsible tubes. D. J. Palermo. 2,512,581, June 20.
Machine for lead coating. J. Magnin. 2,493,769; Jan. 10.
Machine for liquid cleaning of upholstered articles, fabrics, rugs, carpets, etc. J. E. Briggs. 2,509,957, May 30.
Machine for loading and unloading grain, Farm. E. E. Starr. 2,499,792, Mar. 7.
Machine for loading and unloading packages. P. Jessen. 2,508,861, May 23.
Machine for loading cans in trays in staggered relation with double row can feed means. G. L. Ardron. 2,535,828, Dec. 26.
Machine for locating and topping sugar beets and like root crops. F. J. Minns, S. A. F. Court, and N. E. Langdale. 2,510,242, June 6.
Machine for macaroni, Automatic. S. Lenner. 2,531,224, Nov. 21.
Machine for magnetic record medium, Nonrewind. N. M. Seeburg. 2,506,942, May 9.
Machine for making articles, such as display covers from thin plastic sheet material. C. E. Maynard and L. H. Gustafson. 2,521,387–8, Sept. 5.
Machine for making bandages. P. S. Banff and V. Halversen. 2,511,559, June 13.
Machine for making candy suckers. C. L. Werner. 2,513,609, July 4.
Machine for making cement roofing tile. G. W. Lang. 2,531,574, Nov. 28.
Machine for making cinder, concrete, or similar blocks. W. J. Thacker. 2,496,682, Feb. 7.
Machine for making collapsible and expansible tubes. S. D. Polsen and S. H. Nelson. 2,508,798, May 23.
Machine for making composite structures. E. H. Schmidt. 2,530,484, Nov. 21.
Machine for making concrete blocks. J. B. Lagarde. 2,513,028, June 27.
Machine for making corrugated paperboard. W. S. Conner. 2,499,267, Feb. 28.
Machine for making course height stone veneer. J. Solomito. 2,514,352, July 4.
Machine for making fabric cylinders. W. Bishop. 2,506,916, May 9.
Machine for making hollow articles. E. E. Mills. 2,515,093, July 11.
Machine for making garment patterns. J. M. Shapiro. 2,523,153, Sept. 19.
Machine for making insulated conductors. S. E. Boynton and W. C. Ewaldson. 2,517,381, Aug. 1.
Machine for making retractable tubing. R. H. Murphy. 2,506,232, May 2.
Machine for making ribbed strips for insoles. A. S. Clark. 2,498,751, Feb. 28.
Machine for making roll dispensing containers. J. Kievit. 2,504,698, Apr. 18.
Machine for making sandwiches. C. W. Gentry. 2,521,213, Sept. 5.
Machine for making solderless electrical connections. S. M. Weisberg. 2,526,717, Oct. 24.
Machine for making stitchdown shoes. A. R. Morrill. 2,502,629, Apr. 4.
Machine for making wedges. C. B. Chesser. 2,505,524, Apr. 25.
Machine for making wooden heels. F. N. Grasberger. 2,524,440, Oct. 3.
Machine for manufacturing files. D. R. Sabre. 2,525,949, Oct. 17.
Machine for manufacturing hollow bodies of plastic material. E. V. Fejmert. 2,497,160, Feb. 14.
Machine for manufacturing of fish nets and the like. F. Heggland. 2,518,140, Aug. 8.
Machine for manufacturing paper plant protectors. W. R. Schindler. 2,511,417, June 13.
Machine for manufacturing spirally wound straws or tubes. A. A. Heyman. 2,501,938, Mar. 28.
Machine for manufacturing twisted core chenille. H. G. Lemoine. 2,534,039, Dec. 12.
Machine for marking cylindrical articles. C. F. Robbins. 2,500,871, Mar. 14.
Machine for measuring distances and locating a ball on a playing field. C. L. Darr. 2,520,031, Aug. 22.
Machine for mixing and molding plastic materials. H. Corbett. 2,518,124, Aug. 8.
Machine for mixing or blending granular and similar materials. E. Ingle, W. L. Doten and R. H. Cope. 2,521,633, Sept. 5.
Machine for molding articles. J. E. Balasquide. 2,499,209, Feb. 28.
Machine for molding building blocks of concrete or like cementitious material. R. Leggat. 2,533,479, Dec. 12.
Machine for molding concrete and the like. L. C. Miller. 2,501,136, Mar. 21.

Machine for molding concrete block, brick, or tile. A. R. Canfield. 2,535,389, Dec. 26.
Machine for molding concrete blocks. A. R. Clanton. 2,526,198, Oct. 17.
Machine for molding concrete blocks. G. A. Dike, L. E. Thomas, and G. C. Granger. 2,512,092, June 20.
Machine for molding concrete blocks. J. R. Sims. 2,512,117, June 20.
Machine for molding concrete brick. E. De Luca. 2,533,721, Dec. 12.
Machine for molding concrete pipe, hollow blocks, and the like. K. C. Schmidt. 2,525,275, Oct. 10.
Machine for molding hollow blocks. S. Sand. 2,528,084, Oct. 31.
Machine for molding hollow concrete products. O. Nielsen. 2,524,676, Oct. 3.
Machine for offsetting the end coils of springs. D. D. Myers. 2,527,325, Oct. 24.
Machine for opening eggs and separating the shells of the eggs and their contents. E. W. Schaber. 2,498,182, Feb. 21.
Machine for packeting small measured quantities of seed or granular or powdered materials in paper envelopes. A. R. Smith, G. A. Lee, and C. J. Hopkins. 2,509,320, May 30.
Machine for packing cans and the like. T. Gorman, Jr. 2,527,252, Oct. 24.
Machine for paint-filling depressions in parts. H. Peters and B. Pedlow. 2,515,891, July 18.
Machine for pasting the edges of sheets to each other. E. Wuko. 2,503,984, Apr. 11.
Machine for peeling prepared fruits. E. R. Jagenburg. 2,530,063, Nov. 14.
Machine for perforating a tape, feeding it, and attaching snap fasteners thereto. C. L. Loverch. 2,534,360, Dec. 19.
Machine for performing putting-out or analogous operations on hides or skins. D. Edgar. 2,530,573, Nov. 21.
Machine for picking and separating cotton, Combined. J. H., J. C., and L. H. Hamner. 2,503,616, Apr. 11.
Machine for pounding, loosening, and removing paint, scale, and the like. R. M. Westphal. 2,525,250, Oct. 10.
Machine for predeterminedly shaping and cutting away surface portions of deformable substances. J. R. Urschel. 2,520,982, Sept. 5.
Machine for preparing fibrous material for pneumatic conveyance and discharge. G. W. Luhrmann. 2,517,903, Aug. 8.
Machine for preparing lithographic or other printing plates as well as rubber sheets used in offset printing. J. G. Lindmark. 2,495,269, Jan. 24.
Machine for preparing tires for retread vulcanizing. E. A. Glynn. 2,522,819, Sept. 19.
Machine for pressing the bottoms of shoes. A. Eppler, Jr. 2,516,111, July 25.
Machine for processing eggs. S. S. Barker. 2,500,396, Mar. 14.
Machine for producing caps for milk and other bottles and similar containers. A. G. Enock. 2,522,438, Sept. 12.
Machine for producing heat energy. P. Kollsman. 2,520,729, Aug. 29.
Machine for producing laminated core structures. C. A. Schild and G. D. Stapleton. 2,522,238, Sept. 12.
Machine for putting bands on balls of knitting wool. L. J. R. Sanders. 2,529,313, Nov. 7.
Machine for removing burrs from punched or drilled sheets or plates. T. P. Glover. 2,503,476, Apr. 11.
Machine for removing pods from the seed of wax beans or the like. A. C. Daub. 2,524,519, Oct. 3.
Machine for rolling and setting leather. C. R. Sims. 2,496,418, Feb. 7.
Machine for rupturing paper and the like for testing purposes. R. E. Getchell. 2,525,345, Oct. 10.
Machine for scorching or drying printing mats and the like. D. E. Sutton. 2,501,922, Mar. 28.
Machine for scraping and burnishing the edges of books. J. H. Esak. 2,504,071, Apr. 11.
Machine for sealing ampoules and the like. J. F. and H. H. Kahlenberg. 2,493,070, Jan. 3.
Machine for sealing condenser bodies in shells. H. I. Danziger. 2,510,464, June 6.
Machine for seaming ends on rectangular and irregularly shaped can bodies. P. Kruse. 2,518,910, Aug. 15.
Machine for seaming tubular members. B. D. Jacokes. 2,516,322, July 25.
Machine for setting up box blanks. L. Perilli. 2,510,251, June 6.
Machine for sewing buffing wheels. F. H. Ogden. 2,521,085, Sept. 5.
Machine for sewing mattress boxing strips. M. Bechik and J. G. Strandberg. 2,505,822, May 2.
Machine for sewing shoes or sole units. K. A. Stritter. 2,505,158, Apr. 25.
Machine for sharpening the knives of lawn mowers. E. F. Comstock. 2,493,619, Jan. 3.
Machine for sizing and cleansing asparagus tips. F. A. Bellato. 2,496,516, Feb. 7.
Machine for sizing, cleaning, and cutting asparagus tips. B. Del Carlo. 2,502,209, Mar. 28.
Machine for smoothing or ironing leather, particularly shoe sole leather. A. Buček. 2,532,601, Dec. 5.
Machine for sorting, counting, and packaging medicinal tablets. C. Mrachek. 2,509,069, May 23.
Machine for stamping metal blanks. R. C. Britton and W. McEwan. 2,521,628, Sept. 5.
Machine for straightening can body flanges. S. Birkland. 2,534,220, Dec. 19.
Machine for straightening rods or tubes. J. B. Picton and E. L. Tinley. 2,517,344, Aug. 1.
Machine for strip-icing confections. C. Hettinger. 2,535,573, Dec. 26.
Machine for surfacing building units. F. W. King. 2,504,205, Apr. 18.
Machine for surfacing very broad members. C. W. Berthiez. 2,516,294, July 25.
Machine for testing elongation. D. C. Scott. 2,520,786, Aug. 29.
Machine for testing snap and recovery of sheet material. C. E. Johnson. 2,510,401, June 6.
Machine for the liquid treatment of textile materials. M. Cassé. 2,529,001, Nov. 7.
Machine for the manufacture of contact springs and like parts. J. F. Aylen. 2,502,695, Apr. 4.
Machine for the production of packaging inlays. A. Bossi. 2,525,202, Oct. 10.
Machine for the production of wire ropes. C. J. Holm. 2,498,921, Feb. 28.
Machine for the recovery of essential oil contained in the peel of citrus fruit. M. Koffler. 2,527,364, Oct. 24.
Machine for the rotary shearing of metal or the like. G. M. Hambleton, Sr., and R. G. Heinrich. 2,511,058, June 13.
Machine for transfer of wound bobbins to bobbin holders from winding machines. B. A. Peterson. 2,505,427, Apr. 25.
Machine for treating articles in bulk. W. M. Phillips, Jr. 2,500,861, Mar. 14.
Machine for treating fur skins. L. S. Eisen. 2,516,374, July 25.
Machine for treating rubber. W. A. Gordon. 2,499,913, Mar. 7.
Machine for trimming horses' feet. P. H. Howe. 2,499,098, Feb. 28.
Machine for trimming the edges of strips of wood of variable widths. G. L. Bjork. 2,516,176, July 25.
Machine for turning and binding the edges of leather. L. J. Noecker. 2,503,589, Apr. 11.
Machine for turning and pressing gloves. T. G. Boldizzoni. 2,511,456, June 13.
Machine for uncapping honeycomb. T. F. Budge. 2,501,261, Mar. 21.
Machine for upper trimming. C. W. Baker. 2,504,957, Apr. 25.
Machine for use in the construction of commutators. W. Swift and A. Goodman. 2,499,539, Mar. 7.
Machine for use in the manufacture of insoles. H. C. Paulsen. 2,493,207, Jan. 3.
Machine for use in the manufacture of insoles. H. C. Paulsen. 2,494,578, Jan. 17.
Machine for vacuum filling. J. E. Jonsson. 2,509,506, May 30.
Machine for vacuumizing and closing filled oblong cans. A. L. Kronquest. 2,517,323, Aug. 1.
Machine for verifying perforated record cards. A. Thomas, F. S. Rhodes, and M. R. Brown. 2,516,033, July 18.
Machine for washing annular articles. C. Hirsch. 2,493,291, Jan. 3.
Machine for washing clothes. W. H. Petersén. 2,530,028, Nov. 14.
Machine for working uppers over lasts. F. C. Choice. 2,524,883, Oct. 10.
Machine for wrapping folded sheets. J. A. Holmberg. 2,506,021, May 2.
Machine gunlock. P. R. Higson. 2,509,640, May 30.
Machine gun trainer. C. E. Simpson. 2,516,926, Aug. 1.
Machine having free pistons and cylinders without mechanical connecting-rod-crank couplings. E. Mercier. 2,526,384, Oct. 17
Machine having grommet feeding mechanism, Grommet setting. A. G. Monson. 2,497,899, Feb. 21.
Machine head, Lamp sealing. J. E. Nelson, S. Bosworth, W. Percy, F. Balne, and A. Holman. 2,525,043, Oct. 10.
Machine lathe. E. F. Hausam. 2,529,551, Nov. 14.
Machine or apparatus for surfacing roads. G. Jaeger. 2,511,589, June 13.
Machine stator, Dynamoelectric. D. A. van den Berg. 2,496,831, Feb. 7.
Machine stop-check for jam-proofing dial indicators. C. P. Overmyer, Jr. 2,506,236, May 2.
Machine structure. D. H. Prutton. 2,501,738, Mar. 28.
Machine structure, Dynamoelectric. T. E. D. Bilde and C. O. Halldin. 2,506,629, May 9.
Machine structure, Dynamoelectric. W. J. O'Brien. 2,499,326, Feb. 28.
Machine supporting assembly for business machines. W. H. von Hacht. 2,533,155, Dec. 5.
Machine tool. F. H. Bogart. 2,507,241, May 9.
Machine tool. S. L. Casella, R. Kurzweil, and J. J. Pesqueira. 2,493,475, Jan. 3.
Machine tool. R. H. Clark. 2,528,299, Oct. 31.
Machine tool. I. E. Cox. 2,496,379, Feb. 7.
Machine tool. M. S. Curtis. 2,519,117, Aug. 15.
Machine tool. T. F. Eserkaln and F. Steinbrecker. 2,526,547, Oct. 17.

Machine tool. G. E. Hallenbeck. 2,506,958, May 9.
Machine tool. M. Mennesson. 2,525,364, Oct. 10.
Machine tool. A. J. Schick. 2,513,213, June 27.
Machine tool. S. F. Winchell. 2,501,298, Mar. 21.
Machine tool control mechanism. J. B. Armitage and O. W. Barker. 2,533,753, Dec. 12.
Machine tool for milling tubular workpieces. B. V. Miller. 2,526,762, Oct. 24.
Machine tool transmission. G. K. McKee. 2,501,450, Mar. 21.
Machine tool transmission and control. H. Schoepe. 2,525,428, Oct. 10.
Machine-tool transmission and control mechanism. F. A. Parsons. 2,493,828; Jan. 10.
Machine tool transmission and control mechanism. F. A. Parsons. 2,521,185, Sept. 5.
Machine vibrator. E. F. Peterson. 2,535,596, Dec. 26.
Machine with perforated rotating drum for filling cushions and pillows with air free fibrous materials. R. J. Goldberg. 2,528,877, Nov. 7.
Machine with rotating platform for filling bags and pillows by centrifugal force. M. Goldberg. 2,502,087, Mar. 28.
Machine with work clamps mounted on pivoted arms, Stretch-bending. E. A. Rathgen. 2,515,734, July 18.
Machinery for load handling equipment, Operating. W. M. Huston. 2,494,618, Jan. 17.
Machinery for treatment of plastic substances. G. F. W. Grainger. 2,526,944, Oct. 24.
Machinery, High-temperature rotating. R. B. Smith and F. O. Hennig. 2,505,217, Apr. 25.
Machines for peeling and cleaning vegetables and fruits. H. R. Hetherington. 2,514,493, July 11.
Magazine and feed means for stapling implements. W. E. Wember. 2,519,617, Aug. 22.
Magazine and feed means for stapling machines. F. R. Curtiss. 2,522,931, Sept. 19.
Magazine and film unit, Self-developing. O. E. Wolff. 2,495,112, Jan. 17.
Magazine and holder, Discharging. F. C. Worth. 2,512,218, June 20.
Magazine feed furnace. C. Harris. 2,530,522, Nov. 21.
Magazine for cameras, Developing. M. T. Gannon. 2,495,113, Jan. 17.
Magazine for fastener applying implements. C. M. Lindstrom. 2,524,061, Oct. 3.
Magazine for firearms. C. H. Benson. 2,507,364, May 9.
Magazine for gramophone records. K. E. E. Hedström. 2,513,866, July 4.
Magazine for magnetic recording apparatus. L. B. Greenleaf. 2,519,312, Aug. 15.
Magazine for nested articles. C. J. Holinger. 2,501,816, Mar. 28.
Magazine or container for holding and dispensing razor blades. F. A. Tuerff. 2,520,481, Aug. 29.
Magazine tool. H. T. Hallowell and J. P. Villo. 2,518,139, Aug. 8.
Magazine type hot-air heater. H. Barlow. 2,513,443, July 4.
Magenta phenazonium dyestuff images from 8-hydroxyquinoline couplers. R. F. Coles. 2,524,725, Oct. 3.
Magenta phenazonium dyestuff images from 6-substituted-8-hydroxyquinoline couplers. V. Tulagin and R. F. Coles. 2,524,741, Oct. 3.
Magnesia cements and making. T. Woodward. 2,526,837, Oct. 24.
Magnesia-ceria and magnesia-beryllia catalysts. C. N. Kimberlin, Jr. 2,525,073, Oct. 10.
Magnesium and zinc permanganates, Making. T. Jaskowiak. 2,504,129, Apr. 18.
Magnesium anode with compacted backfill, Packaged. R. M. Hunter. 2,527,361, Oct. 24.
Magnesium base alloys containing zirconium, Production of. C. J. P. Ball, F. A. Fox, A. C. Jessup and E. F. Emley. 2,497,529, Feb. 14.
Magnesium carbonate or magnesium oxide containing little or no calcium, Production of. R. L. Evans. 2,519,361, Aug. 22.
Magnesium-containing incendiary composition and producing same. W. F. Van Loenen. 2,530,493, Nov. 21.
Magnesium ferrite pigment, Preparation of. C. D. Downs and J. Martin. 2,502,130, Mar. 28.
Magnesium hydroxide, Producing. F. A. De Maestri. 2,493,752; Jan. 10.
Magnesium nitride, Preparation of. A. C. Byrns. 2,497,583, Feb. 14.
Magnesium phthalocyanine, Production of. J. L. Porter. 2,502,748, Apr. 4.
Magnesium, Production of. F. J. Hansgirg. 2,527,722, Oct. 31.
Magnesium, Production of. F. J. Hansgirg. 2,527,724, Oct. 31.
Magnesium silicate titanate phosphor. F. A. Kröger and J. Broos. 2,532,774, Dec. 5.
Magnesium silicates, Making activated. E. C. Bierce. 2,498,353, Feb. 21.
Magnet, Can handling. K. A. Blind. 2,503,467, Apr. 11.
Magnet for watt hour meters, Drag. A. R. Nobbs. 2,501,535, Mar. 21.
Magnet-operated switch. W. H. Taylor. 2,495,149, Jan. 17.
Magnet structure for electro-dynamic loud-speakers, Permanent. F. B. Smith. 2,517,727, Aug. 8.
Magnet structure for loud-speakers. S. E. Levy. 2,532,413, Dec. 5.
Magnetic alloy. R. K. McGeary. 2,512,358, June 20.
Magnetic bodies from compressed powdered materials, Manufacture of. W. E. Laycock. 2,531,445, Nov. 28.
Magnetic clutch. R. F. Garbarini and R. S. Edwards. 2,514,385, July 11.
Magnetic clutch. R. C. Russell. 2,530,180, Nov. 14.
Magnetic compensation system. C. H. Young. 2,504,778, Apr. 18.
Magnetic connection. J. P. Dolan. 2,526,206, Oct. 17.
Magnetic core. G. G. Somerville. 2,523,072, Sept. 19.
Magnetic core, Saturable. J. Q. Adams. 2,498,475, Feb. 21.
Magnetic core, Three-phase. J. J. Vienneau. 2,516,164, July 25.
Magnetic cores, Making three-phase. J. J. Vienneau. 2,516,165, July 25.
Magnetic device for transmitting movement through a solid wall. P. F. Early. 2,522,815, Sept. 19.
Magnetic door holder. B. S. Bernhard. 2,514,927, July 11.
Magnetic drink mixer. H. W. Morgan. 2,505,423, Apr. 25.
Magnetic drive agitator. G. J. Okulitch and I. Zozulin. 2,506,886, May 9.
Magnetic fishing tool. J. D. Noble. 2,522,294, Sept. 12.
Magnetic fuel pump. M. Katcher. 2,534,520, Dec. 19.
Magnetic layout punch. C. R., C. R., Jr., and W. C. Zickler. 2,526,528, Oct. 17.
Magnetic mass cores, Manufacturing. J. A. M. Smelt. 2,499,789, Mar. 7.
Magnetic method of pipe-line inspection. G. C. Eltenton and M. B. Fallgatter. 2,501,598, Mar. 21.
Magnetic motor. M. B. and S. H. Quick. 2,505,429, Apr. 25.
Magnetic particle inspection apparatus and method. R. A. Peterson, D. F. Heckle, and J. E. Clarke. 2,495,545, Jan. 24.
Magnetic peak inspection. T. Zuschlag. 2,505,701, Apr. 25.
Magnetic pencil holder. M. Kinzler and E. Pearl. 2,527,482, Oct. 24.
Magnetic probe. A. H. Lamb. 2,517,325, Aug. 1.
Magnetic receiver. H. E. Hanson. 2,522,266, Sept. 12.
Magnetic recording and reproducing. S. J. Begun. 2,513,617, July 4.
Magnetic recording and reproduction. H. S. Cooper, W. E. Martin, S. L. Reiches, and J. B. Gray. 2,522,665, Sept. 19.
Magnetic retainer. J. G. Vasquez. 2,521,885, Sept. 12
Magnetic sadiron holder. R. A. C. Andrews. 2,493,846; Jan. 10.
Magnetic sandpaper holder. L. Hopps and P. A. Smith. 2,503,619, Apr. 11.
Magnetic separator. S. G. Frantz. 2,508,666, May 23.
Magnetic separator. R. H. Stearns. 2,511,484, June 13.
Magnetic separator. C. E. Wuensch. 2,522,556, Sept. 19.
Magnetic snap action switch. W. H. Wilson and A. J. Chinn. 2,518,966, Aug. 15.
Magnetic starting system for electric discharge devices. T. Hehenkamp and K. de Jong. 2,523,020, Sept. 19.
Magnetic stick relay. J. E. Willing, G. E. Duffy, Sr., and C. E. Stevenson. 2,535,977, Dec. 26.
Magnetic storage comparing and control system. D. R. Putt. 2,533,326, Dec. 12.
Magnetic structure. C. E. Bazley. 2,497,652, Feb. 14.
Magnetic structure. E. T. Grant. 2,500,748, Mar. 14.
Magnetic structure for speakers. G. S. Holly. 2,534,819, Dec. 19.
Magnetic support. L. K. Wietz. 2,506,400, May 2.
Magnetic switch. H. L. Brouse. 2,520,525, Aug. 29.
Magnetic switch. C. E. Hastings. 2,497,547, Feb. 14.
Magnetic switch. G. T. Southgate. 2,507,940, May 16.
Magnetic writing pad. M. O. Teetor. 2,497,332, Feb. 14.
Magnetically actuated direction indicator. C. A. Gossett. 2,535,201, Dec. 26.
Magnetically controlled switch. H. Hubbell. 2,521,723, Sept. 12.
Magnetically-controlled valve. E. Paille. 2,531,824, Nov. 28.
Magnetically operated device. G. H. Leland. 2,496,880, Feb. 7.
Magnetically operated oscillatory switch. C. F. Coake. 2,499,632, Mar. 7.
Magnetically operated switch. H. Hubbell. 2,498,683, Feb. 28.
Magnetically operated switch. H. Hubbell. 2,520,935 Sept. 5.
Magnetically operated switch. J. G. Juhasz. 2,506,792, May 9.
Magnetized article. O. Morris. 2,508,075, May 16.
Magneto. G. D. Cerf. 2,500,345, Mar. 14.
Magneto breaker point assembly. W. A. Bohannon. 2,516,178, July 25.
Magneto, Ignition. J. A. Baines. 2,531,961, Nov. 28.
Magneto-mechanical movement. K. Peterson. 2,518,635, Aug. 15.
Magneto, Roller skate light. L. E. Smith. 2,505,154, Apr. 25.

Magneto, Telephonic call. A. Ducruet. 2,528,874, Nov. 7.
Magnetometer. J. H. Rubenstein. 2,493,779; Jan. 10.
Magnetometer probe. D. M. Chapin. 2,517,975, Aug. 8.
Magnetoresistor. M. L. Libman. 2,500,953, Mar. 21.
Magnetostrictive device and alloy and producing them. E. A. Nesbitt and H. J. Williams. 2,519,277, Aug. 15.
Magnetostrictive signal-translating arrangement. A. Hazeltine. 2,526,229, Oct. 17.
Magnetostrictive stress-responsive device and system embodying the same. H. C. Roters. 2,511,178, June 13.
Magnetostrictively driven mechanical wave filter. R. Adler. 2,501,488, Mar. 21.
Magnetotelephone arrangement for direct current. C. S. Rhoads. 2,518,374, Aug. 8.
Magnetron. C. W. Hansell. 2,535,793, Dec. 26.
Magnetron. F. Lüdi. 2,522,184, Sept. 12.
Magnetron. J. W. McNall. 2,498,763, Feb. 28.
Magnetron. D. A. Wilbur. 2,521,556, Sept. 5.
Magnetron, Adjustable. C. V. Litton. 2,512,901, June 27.
Magnetron cavity structure and manufacture of same. G. A. Espersen. 2,493,661, Jan. 3.
Magnetron, Cold cathode. A. M. Gurewitsch. 2,513,933, July 4.
Magnetron, Frequency controllable. P. H. Peters, Jr., and J. P. Blewett. 2,528,241, Oct. 31.
Magnetron, Trapezoidal cavity. E. C. Okress and I. E. Mouromtseff. 2,520,955, Sept. 5.
Magnetron, Tunable. C. W. Becker. 2,501,152, Mar. 21.
Magnetron, Tunable. F. H. Crawford and M. D. Hare. 2,505,529, Apr. 25.
Magnetron, Tunable. P. Kusch. 2,508,576, May 23.
Magnetron, Water-cooled multicircuit. R. B. Nelson. 2,523,049, Sept. 19.
Magnets and alloys therefor, Permanent. J. R. Hansen. 2,499,861–2, Mar. 7.
Magnets and alloys therefor, Production of permanent. J. R. Hansen. 2,499,860, Mar. 7.
Magnets and the obtention of the same, Permanent. L. Neel. 2,497,268, Feb. 14.
Magnets, Manufacture of permanent. C. Marquaire. 2,534,178, Dec. 12.
Magnets, Manufacturing permanent. D. A. Oliver. 2,504,870, Apr. 18.
Magnifying and light concentrating device for telephone dials. T. Miller. 2,509,833, May 30.
Mahogany acids and mahogany soaps, Producing. C. A. Cohen. 2,535,784, Dec. 26.
Mailbox having a hingedly supported container. A. F. Hartman. 2,507,785, May 16.
Mailbox, Swinging. H. C. Bergstrom. 2,522,983, Sept. 19.
Mailbox switch. N. R. Smith. 2,535,607, Dec. 26.
Mail receptacle. E. V. Davis. 2,498,361, Feb. 21.
Mailer. A. C. Croft. 2,522,256, Sept. 12.
Maintaining accuracy of precision ammeters. R. M. Hanson. 2,529,729, Nov. 14.
Maintaining catalyst activity in a dehydrogenation process. R. N. Meinert and H. G. Vesterdal. 2,518,354, Aug. 8.
Maintaining constant compression in cylinders of internal combustion engines. G. Hawkins. 2,500,409, Mar. 14.
Maintaining dimensional stability in machine parts. F. C. Victory. 2,515,146, July 11.
Maintaining sterilization. N. Sharaf. 2,518,081, Aug. 8.
Maintenance of conductivity in electrical systems. R. Sherman. 2,528,558, Nov. 7.
Make and break or change-over electric switch. J. Roberts. 2,501,964, Mar. 28.
Maker and dispenser, Coffee. F. E. Hummel. 2,529,395, Nov. 7.
Maker and dispenser, Ice-cream. D. A. Elwell. 2,493,395, Jan. 3.
Making a composite oil gas having approximately the characteristics of natural gas. H. M. Blain, Jr. 2,522,922, Sept. 19.
Making a diver's combined hose and electrical communication line cable. R. L. Wallace, Jr. 2,530,105, Nov. 14.
Making a phosphate gel and mold with phosphate gel binder. J. S. Streicher. 2,522,548, Sept. 19.
Making a tablet box. J. Coyle. 2,535,838. Dec. 26.
Making absorption refrigerators. N. E. Widell. 2,522,418, Sept. 12.
Making an article having a porous inner part and a molded cover thereon. T. L. Fawick. 2,532,839, Dec. 5.
Making an organopolysiloxane insulated copper conductor. K. N. Mathes. 2,523.037, Sept. 19.
Making and removing surgical casts. J. A. Luger. 2,523,837, Sept. 26.
Making axonometric drawings. W. G. Wilkinson. 2,510,202, June 6.
"Making bottom" in ingot soaking pits, Method and apparatus for. D. W. Saunders. 2,531,473, Nov. 28.
Making C_{18} unsaturated ketone related to vitamin A. D. A. van Dorp and J. F. Arens. 2,525,568, Oct. 10.
Making ceramic granules. R. B. Bassett. 2,522,982, Sept. 19.
Making chains. I. O. Miller, W. N. Sutliff, D. U. Shaffer, and K. E. Waggener. 2,533,325, Dec. 12.
Making chrome-tanning baths. F. W. Binns and H. B. Channon. 2,500,020, Mar. 7.
Making comparative measurements on oscilloscopes, Method and apparatus for. R. F. Grunwald. 2,524,790, Oct. 10.
Making fibrous units. P. H. Lang, W. H. Lehmberg, and C. M. Foggett. 2,521,985, Sept. 12.
Making fly ash containing building blocks. T. E. Rule. 2,527,766, Oct. 31.
Making glass-to-metal seals. P. O. Cartun. 2,522,990, Sept. 19.
Making gymnasium floors fast. C. M. Curtis. 2,518,290, Aug. 8.
Making inlaid linoleum, Method and machine for. T. Pesci. 2,527,648, Oct. 31.
Making ionic membranes. K. Sollner, C. W. Carr, and H. P. Gregor. 2,510,262, June 6.
Making low-loss delay lines. J. Yolles. 2,520,991, Sept. 5.
Making pastry, Process for. L. H., and R. W. Wilson. 2,522,591, Sept. 19.
Making sealing glasses. R. V. Lukes. 2,522,524, Sept. 19.
Making shoes with molded counter portions. V. L. Kneeland. 2,521,981, Sept. 12.
Making shoulder pads, Method for. R. B. Perry. 2,522,689, Sept. 19.
Making spring bars. R. Feurer. 2,522,439, Sept. 12.
Making tubes. H. O. Jones. 2,510,180, June 6.
Making water-soluble materials water repellent. J. A. Pierce. 2,500,770, Mar. 14.
Maleic acid from branched-chain dienes, Production of. C. E. Morrell, L. K. Beach, and M. E. Cunningham. 2,504,034, Apr. 11.
Maleimide and N-substituted derivatives, Preparation of. E. J. Prill. 2,524,136, Oct. 3.
Maleimide and N-substituted derivatives, Preparation of. P. O. Tawney. 2,524,145, Oct. 3.
Mallet having interchangeable percussion heads. M. Pemmerl. 2,518,059, Aug. 8.
Malt extract, Production of. G. J. Strezynski. 2,513,687, July 4.
Mammary glands, Method and article for treatment of. F. E. Martin. 2,498,374, Feb. 21.
Manhole lid clamp. F. T. Dixon. 2,535,275, Dec. 26.
Manacle. A. Rivolier. 2,510,294, June 6.
Mandibular positioner. T. O. Legge. 2,528,153, Oct. 31.
Mandrel, Collapsible. J. A. Bender and J. D. McKiernan. 2,503,431, Apr. 11.
Mandrel, Expanding. T. G. Ross. 2,494,899, Jan. 17.
Mandrel, Expansible. H. R. Billeter. 2,528,334, Oct. 31.
Mandrel, Expansible. F. N. Reynolds. 2,526,772, Oct. 24.
Mandrel for blind riveting. A. W. Forman and W. R. Thirdborough. 2,533,448, Dec. 12.
Mandrel for tube drawing. T. Fabrizio. 2,525,258, Oct. 10.
Mandrel, Honing. J. Sunnen. 2,532,682, Dec. 5.
Mandrel positioning device for tube mills and the like. J. W. Offutt. 2,535,949, Dec. 26.
Manganous ethylene bis-dithiocarbamate and fungicidal compositions containing same. A. L. Flenner. 2,504,404, Apr. 18.
Manger, Tilting feed. F. C. Howard. 2,523,762, Sept. 26.
Manicuring device. H. B. Snider. 2,494,414; Jan. 10.
Manicuring device. E. A. H. Toreson. 2,506,254, May 2.
Manicuring device or the like. V. D. Roosa. 2,524,681, Oct. 3.
Manifold. T. A. Scherger. 2,503,071, Apr. 4.
Manifold apparatus. R. J. Branson. 2,503,708, Apr. 11.
Manifold construction. J. T. W. Moseley. 2,533,604, Dec. 12.
Manifold for gas containers, Portable. R. C. Pierson. 2,518,569, Aug. 15.
Manifold form. C. L. Johnston. 2,535,798, Dec. 26.
Manifold, Intake. F. Hartley. 2,505,962, May 2.
Manifold, Multifluid. S. Holm and P. H. Karlsson. 2,499,384, Mar. 7.
Manifold, Vacuum jet. F. P. Chadsey. 2,520,910, Sept. 5.
Manifolding device, Fanfold. J. G. Kerr. 2,514,077, July 4.
Manifolding sheet material. J. D. Wilson. 2,509,852, May 30.
Manikin support. D. E. Springer. 2,520,975, Sept. 5.
Manipulator, Clothesline. D. M. MacKenzie. 2,503,830, Apr. 11.
Manipulator, Duplex telegraph signal automatic. T. T. Mayorquin. 2,495,377, Jan. 24.
Manipulator, Work. H. P. Bentley and R. P. La Vonier. 2,495,438, Jan. 24.
Manometer, Hypodermic pressure. H. R. Bierman. 2,535,998, Dec. 26.
Mantel, aquarium, and fountain, Combination. A. J. Grossniklaus. 2,503,945, Apr. 11.
Mantle for lighting and heating appliances, Incandescent. W. G. Colle. 2,506,706, May 9.
Mantle, Gyratory crusher. R. R. Shafter. 2,514,675, July 11.
Manual controlled device for automatic circuit recloser mechanisms. J. K. Harper. 2,530,298, Nov. 14.
Manually controlled power hydraulic brake. C. B. Vickers. 2,503,892, Apr. 11.
Manually controlled soap press. J. Garvey. 2,532,666, Dec. 5.
Manually operable fluid valve. W. A. Fraser and J. Williams. 2,510,393, June 6.
Manually operated adjustable car wheel. G. C. Peter and F. J. Schmidt. 2,505,721, Apr. 25.

Manually operated portable washer. R. W. Coulter. 2,509,907, May 30.
Manually propelled implement handle. R. E. Huston. 2,535,419, Dec. 26.
Manufacture and application of new textile treatment agents. W. Baird, T. Barr, A. Lowe, and J. Oliver. 2,518,444, Aug. 15.
Manufacture of alkylead compounds. G. Calingaert and H. Shapiro. 2,535,191, Dec. 26.
Manufacturing dense shaped carbon articles. L. C. Swallen and H. W. Nelson. 2,522,766, Sept. 19.
Manufacturing minutely orificed articles. T. M. Nolan and S. Gasper. 2,533,609, Dec. 12.
Manufacturing pyridine carboxylic acids. F. E. Cislak and W. R. Wheeler. 2,522,163, Sept. 12.
Manufacturing thin wall tubing, Process of and apparatus for. J. Bailey and C. G. Reber. 2,529,897, Nov. 14.
Manufacturing twisted drills and other tools. J. O. Berglund and L. Wallin. 2,522,499, Sept. 19.
Manway clamp. H. C. Glitsch. 2,525,217, Oct. 10.
Map, Folding. C. E. Sharp, Jr. 2,507,615, May 16.
Map for use in automobiles and airplanes, Guide. R. O. Westenfelder. 2,513,072, June 27.
Map holder. H. Beier. 2,508,136, May 16.
Map holder. C. L. Bradford. 2,501,840, Mar. 28.
Map holder. V. P. Drury. 2,503,101, Apr. 4.
Map, Inflatable and collapsible. A. C. Morrison. 2,526,764, Oct. 24.
Mapping system, Cathode-ray. J. E. Ranks. 2,523,328, Sept. 26.
Marble shooter. G. A. Hatherell. 2,496,345, Feb. 7.
Marble shooter. W. A. Shields. 2,499,883, Mar. 7.
Marble shooter. J. Yates. 2,533,659, Dec. 12.
Margarine packaging. L. C. Brown. 2,502,920, Apr. 4.
Margarine product and forming. V. L. Turgasen. 2,526,302, Oct. 17.
Marine chronometer double track escape and projection system. G. G. Ensign, R. R. Lawson, E. H. Schaefer, and W. M. Wochos, Jr. 2,501,266, Mar. 21.
Marine engine cooler. J. E. Weiks. 2,513,124, June 27.
Marine foundation, Portable. H. E. Gross. 2,496,532, Feb. 7.
Marine gear. C. J. McDowall, J. E. Storer, Jr., and E. A. Richards. 2,521,239, Sept. 5.
Marine propulsion plant. F. Roesch. 2,525,460, Oct. 10.
Marionette. R. Coplan. 2,509,135, May 23.
Marker and base, Grave. E. G. Brownawell. 2,525,091, Oct. 10.
Marker, Cattle. W. F. Schacht. 2,497,632, Feb. 14.
Marker flare. G. A. Silvey. 2,509,943, May 30.
Marker for insoles, Edge-guided point. B. Jorgensen. 2,508,574, May 23.
Marker for tricot and the like flat-bed knitting machines, Course. C. R. Anderson. 2,508,348, May 23.
Marker, Line. P. B. Kamp. 2,524,596, Oct. 3.
Marker, Line. H. T. Moon. 2,525,100, Oct. 10.
Marker, Marine. S. W. Woodard. 2,520,520, Aug. 29.
Marker, Microscope substage slide. A. M. Massinger. 2,508,413, May 23.
Marker, Pastry. H. P. Shaw. 2,495,553, Jan. 24.
Marker, Power lift. R. H. Weaks. 2,502,067, Mar. 28.
Marker, Road. F. E. Ballew. 2,516,173, July 25.
Marker, Skirt. H. G. Booth. 2,509,126, May 23.
Marker, Skirt. A. R. Koch. 2,535,074, Dec. 26.
Marker, valve wheel. O. Vogel. 2,523,458, Sept. 26.
Marking apparatus, Road. G. A. Fisher. 2,515,865, July 18.
Marking arrangement for final selector switches. D. P. Long. 2,529,471, Nov. 7.
Marking device. M. Goldstein. 2,523,757, Sept. 26.
Marking device. F. B. Lewis, Jr., and E. R. Schmeling. 2,527,681, Oct. 31.
Marking device, Film. C. Gaul. 2,497,445 Feb. 14.
Marking device, Skirt hemline. H. Mann. 2,528,443, Oct. 31.
Marking gauge. R. Caldwell. 2,531,803, Nov. 28.
Marking machine, Barstock. C. A. Zarobsky. 2,497,386, Feb. 14.
Marking machine, Bobbin. H. J. Theiler. 2,501,106, Mar. 21.
Marking machine having adjustable parallel compressible feed rolls and a conduit extending upwardly from said rolls. H. L. Lewis. 2,505,499, Apr. 25.
Marksmanship device, Photoelectric. D. E. Hooker. 2,516,319, July 25.
Marlinespike. O. Olsen. 2,503,507, Apr. 11.
Marshmallow, Preparation of. J. R. Turner and L. Sair. 2,520,581, Aug. 29.
Mashing and lautering apparatus for brewing. A. B. Webb. 2,513,765, July 4.
Mask. L. J. Fitzsimmons. 2,498,668, Feb. 28.
Mask, Air-conditioned face. N. E. Gaddini. 2,506,296. May 2.
Mask, Arc-welding. L. Dewan. 2,514,990, July 11.
Mask, Blackout automobile headlight. R. P. Teele, Jr. 2,507,552, May 16.
Mask, Catcher's. H. Goldsmith and H. J. Wilkens. 2,502,377, Mar. 28.
Mask, Disposable dressing. L. H. La Joie and J. J. Ortalli. 2,507,447, May 9.
Mask, Double-faced. E. J. Grady. 2,513,019, June 27.
Mask, Face. N. E. Gaddini. 2,507,705, May 16.
Mask, Facial invigorating. J. Mingea. 2,504,142, Apr. 18.
Mask for cathode-ray tubes. J. O. Simpkiss, Jr. 2,531,537, Nov. 28.
Mask for excluding ambient sounds. H. L. Webb. 2,526,177, Oct. 17.
Mask for marking lips. E. W. Hendrix. 2,527,726, Oct. 31.
Mask or shield, Face. R. R. Palmer. 2,525,236, Oct. 10.
Mask, Photographic brightness correction. P. K. Glasoe and D. Dean. 2,533,452, Dec. 12.
Mask, Photographic printing. P. A. Sperry. 2,498,741, Feb. 28.
Mask, Photographic sound recording aperture. L. T. Sachtleben. 2,493,088, Jan. 3.
Mask, Plastic football player's. M. T. Marietta. 2,535,434, Dec. 26.
Mask, Printing. H. Dunn. 2,534,961, Dec. 19.
Mask, Protective. E. S. Reitano. 2,494,406; Jan. 10.
Mask, Submarine. N. Bedini, R. Vesigna, and P. Giuliani. 2,534,568, Dec. 19.
Mask, Toilet. J. F. Norris. 2,509,519, May 30.
Masking device. H. W. Madison. 2,531,142, Nov. 21.
Masking paper. R. J. Leander. 2,510,120, June 6.
Masking photographic color images. R. V. Young. 2,518,739, Aug. 15.
Masonry drill. S. Brown. 2,534,809, Dec. 19.
Masonry guideline holder. W. H. Batchler. 2,505,935, May 2.
Mass polymerization. W. W. Crouch. 2,506,857, May 9.
Mass production of objects formed of moldable material. D. Swarovski. 2,525,465, Oct. 10.
Masses containing chocolate, The treatment of. T. Nordenskjöld and K. S. Holmquist. 2,496,557, Feb. 7.
Massage and shampoo device. H. A. Swastek. 2,516,491, July 25.
Massage apparatus, Foot. P. Burnett and O. C. Buike. 2,534,412, Dec. 19.
Massage device, Vibratory foot. H. W. Runstedler. 2,521,874, Sept. 12.
Massage, Pneumatic. G. W. Miller. 2,531,074, Nov. 21.
Massaging and cleaning device. J. T. Haeusser. 2,512,059, June 20.
Massaging and stretching machine. R. P. Fisher and J. P. Geiger. 2,534,587, Dec. 19.
Massaging apparatus. W. H. Quinn. 2,519,790, Aug. 22.
Massaging apparatus, Foot. H. J. Dorrance. 2,520,307, Aug. 29.
Massaging device. O. J. Alvarez. 2,526,190, Oct. 17.
Massaging device. L. Cotton. 2,506,856, May 9.
Massaging device. J. H. Doenges. 2,512,093, June 20.
Massaging device. E. L. Harris. 2,510,399, June 6.
Massaging device. R. A. Reid. 2,519,066, Aug. 15.
Mast and spar of yachts and other craft. H. M. Crankshaw. 2,519,230, Aug. 15.
Mast structure. H. J. Woolslayer, E. A. Campbell, and C. Jenkins. 2,530,848, Nov. 21.
Mast structure. H. J. Woolslayer and C. Jenkins. 2,503,604, Apr. 11.
Mast structure and erection method, Oil well. H. J. Woolslayer, C. Jenkins, and W. H. Luttgen. 2,495,563, Jan. 24.
Master batcher. B. Noble. 2,527,147, Oct. 24.
Master lever and synchronizable multiple control. C. R. Suska. 2,516,433, July 25.
Masticator. M. Herceg. 2,492,997, Jan. 3.
Masticator, Meat. F. R. Parks. 2,526,154, Oct. 17.
Mat. F. Watson. 2,531,659, Nov. 28.
Mat and making same, Artificial grass. E. M. Elder. 2,505,176, Apr. 25.
Mat, Automatic wax. H. A. Andresen and R. R. Stade. 2,521,817, Sept. 12.
Mat, Automobile floor. B. Kravitz. 2,505,554, Apr. 25.
Mat, Bath. A. Dorff. 2,525,531, Oct. 10.
Mat, Bathroom. J. Salvadore. 2,503,174, Apr. 4.
Mat, Floor. J. G. Chapman. 2,527,116, Oct. 24.
Mat for hydraulic hoists, Grease. L. T. Stark. 2,497,565, Feb. 14.
Mat, Ice and snow melting. R. E. Lee. 2,497,998, Feb. 21.
Mat, Infant bath. E. D. Cevasco. 2,531,724, Nov. 28.
Mat or platform, Flexible floor. E. E. Thompson, Sr. 2,525,277, Oct. 10.
Mat, Resilient glass fiber. G. Slayter. 2,528,091, Oct. 31.
Mat, Rubber floor. W. G. Corson. 2,512,310, June 20.
Mat, Self-cleaning door. T. Fallowfield, Jr. 2,533,781, Dec. 12.
Mat sheet, Printed picture. N. G. Horwitt. 2,504,332, Apr. 18.
Mat, Shower and bath. F. R. Hull. 2,515,450, July 18.
Mat, Sink. G. C. Babcock. 2,507,877, May 16.
Mat, Stereotype. A. W. Schorger. 2,533,145, Dec. 5.
Mat with safety tread, Protective. J. M. Montefalco. 2,526,389, Oct. 17.
Mats, Manufacture of bonded fiber. A. W. Heino. 2,493,194, Jan. 3.
Match clip. A. V. Bennett. 2,515,072, July 11.
Match dispenser. C. E. Poister. 2,497,371, Feb. 14.
Match holder. M. I. Karp. 2,493,920; Jan. 10.
Match holder. A. W. Sweeney. 2,526,833, Oct. 24.
Match package. K. V. Keeley. 2,506,961, May 9.
Match package, Pull. J. A. Buick. 2,532,440, Dec. 5.
Match packet, Safety. A. A. Gosselin. 2,508,710, May 23.
Material breaking shell. R. Spencer. 2,532,578, Dec. 5.

Material conveying and dumping vehicle. H. E. Getman. 2,530,574, Nov. 21.
Material distributing receptacle. G. K. Viall and R. F. Lindow. 2,534,211, Dec. 12.
Material feeder. W. E. Anderson. 2,518,514, Aug. 15.
Material for protective covers, Bandlike. F. H. Brunnzell. 2,513,448, July 4.
Material handling apparatus. C. H. Anderson. 2,535,476, Dec. 26.
Material handling apparatus. H. and W. Jaffa. 2,512,333, June 20.
Material handling apparatus. J. W. Kappen. 2,521,727, Sept. 12.
Material handling apparatus. H. E. Swanson. 2,502,681, Apr. 4.
Material handling machine. E. B. Royle. 2,495,138, Jan. 17.
Material handling machine. H. E. Swanson. 2,529,200, Nov. 7.
Material handling mechanism, Constant tension elongated. V. A. Agresti. 2,534,496, Dec. 19.
Material hauling and dispensing vehicle. C. J. Weston. 2,517,151, Aug. 1.
Material inserting machinery. H. E. Gantzer. 2,501,770, Mar. 28.
Material spreader. L. Heidger. 2,535,414, Dec. 26.
Material spreading apparatus. W. C. Hanson. 2,520,718, Aug. 29.
Material-tumbling assembly. E. R. Frye. 2,525,663, Oct. 10.
Material unloading apparatus. J. C. Curtis and E. G. Gartin. 2,524,887, Oct. 10.
Material unloading apparatus. W. D. Fish. 2,524,888, Oct. 10.
Material with high magnetostrictive properties, Producing. R. Smoluchowski. 2,506,393, May 2.
Material working machine. H. D. Paxson. 2,508,534, May 23.
Materials for imparting water repellency to textile materials and producing and using the same. M. Pollock and E. Zerner. 2,493,360, Jan. 3.
Matrices and casting beds, Manufacture of. T. C. Browne. 2,513,785, July 4.
Matrix containing particulate fillers, Producing a. C. S. Francis, Jr. 2,527,628, Oct. 31.
Matrix guide. M. D. Almquist. 2,535,663, Dec. 26.
Matrix retainer, Dental. B. F. Tofflemire. 2,502,903, Apr. 4.
Matrix sheet and preparing same. S. Higgins. 2,509,499, May 30.
Mattress. B. Berkman. 2,507,586, May 16.
Mattress. L. J. Goldsmith. 2,493,067, Jan. 3.
Mattress. P. R. Robell. 2,504,352, Apr. 18.
Mattress. H. R. Strauss. 2,527,107, Oct. 24.
Mattress handle. M. L. Nattenheimer. 2,513,582, July 4.
Mattress or box spring cover. G. G. Thomas. 2,499,698, Mar. 7.
Mattress provided with handles. M. L. Natteheimer. 2,502,584, Apr. 4.
Mattress, Spring. H. S. Gilman. 2,522,943, Sept. 19.
Maulstick, Artist's. M. Dolas. 2,496,276, Feb. 7.
Mausoleum, Precast masonry. J. B. Cheek and D. C. Edwards. 2,525,017, Oct. 10.
Mean velocity indicator. P. A. Borden. 2,529,070, Nov. 7.
Means applicable to internal-combustion engines to facilitate inspection and repair. E. P. Paxman. 2,519,697, Aug. 22.
Means enabling aircraft night-landing practice to be conducted in daylight. C. H. Wood. 2,510,848, June 6.
Means for use in applying, alternatively, air pressure and suction to a given point. J. M. Wyer. 2,532,003, Nov. 28.
Means to control the rate of opening of a parachute. J. W. Horning. 2,517,488, Aug. 1.
Means to punch any card of a predetermined value within a group of cards. W. R. Kreider. 2,515,012, July 11.
Means to support portable loud-speakers. W. Borberg. 2,532,692, Dec. 5.
Measurement of electrostatic charges using rotating converter. R. S. Havenhill and H. C. O'Brien. 2,516,984, Aug. 1.
Measurement of percent modulation of video transmitters. J. Ruston. 2,521,482, Sept. 5.
Measurement of the intensity of penetrative radiations. J. R. Carlin and E. T. Clarke. 2,531,804, Nov. 28.
Measurement or variation of physical states of materials. M. K. Taylor and A. D. Knowles. 2,508,081, May 16.
Measurer for marking trousers to be shortened. M. Compiano. 2,493,618, Jan. 3.
Measuring alpha particle radiation, Method and apparatus for. R. W. Dodson and W. H. Beamer. 2,517,469, Aug. 1.
Measuring and basting device, Garment. M. P. Stewart. 2,502,287, Mar. 28.
Measuring and control method and apparatus. T. R. Harrison and L. B. Cherry. 2,535,412, Dec. 26.
Measuring and controlling apparatus. R. F. Wild. 2,530,109, Nov. 14.
Measuring and controlling apparatus, Electrical. R. F. Wild. 2,506,006, May 2.
Measuring and controlling apparatus for catalyst regenerators. W. P. Wills. 2,497,053, Feb. 7.
Measuring and controlling apparatus, Frequency responsive. R. F. Wild. 2,532,872, Dec. 5.
Measuring and controlling apparatus, Frequency responsive. R. F. Wild. 2,535,248, Dec. 26.
Measuring and controlling apparatus, including damping and recording elements. R. F. Wild. 2,527,665, Oct. 31.
Measuring and controlling apparatus, Safe failure. R. F. Wild. 2,520,485, Aug. 29.
Measuring and controlling chlorine content of water. H. A. Stein. 2,526,515, Oct. 17.
Measuring and controlling system. A. J. Hornfeck. 2,529,450, Nov. 7.
Measuring and controlling system. A. J. Hornfeck. 2,531,682, Nov. 28.
Measuring and detecting apparatus, Electronic. M. May. 2,518,045, Aug. 8.
Measuring and dispensing device. L. B. Gray. 2,523,426, Sept. 26.
Measuring and gauging machine, Linear dimension. O. M. Braaten. 2,504,961, Apr. 25.
Measuring and testing method and apparatus employing X-rays. F. Fua and R. C. Woods. 2,525,292, Oct. 10.
Measuring apparatus. L. Banner, 2,514,985, July 11.
Measuring apparatus. F. A. Muller. 2,517,589, Aug. 8.
Measuring apparatus adapted for use in impact testing machines, Velocity. E. C. Taylor, W. H. Hoppmann, II, and F. Lager. 2,503,307, Apr. 11.
Measuring apparatus and method, Magnetic. J. De Pangher. 2,531,807, Nov. 28.
Measuring apparatus, Capacitance. J. E. Beggs. 2,525,441, Oct. 10.
Measuring apparatus for gauge determination of dimensions of bodies with flow of fluid under pressure from an orifice. C. Stead and F. Meyer, Jr. 2,513,374, July 4.
Measuring apparatus for load compensating fluid pressure brake equipment. J. F. Frola. 2,501,717, Mar. 28.
Measuring apparatus, Magnetic flux. E. H. Plesset. 2,506,433, May 2.
Measuring apparatus, Microwave. D. Blitz. 2,524,283, Oct. 3.
Measuring apparatus, Pneumatic. A. Fortier. 2,523,564, Sept. 26.
Measuring apparatus, Resistance. L. E. Cuckler. 2,528,342, Oct. 31.
Measuring apparatus, Resistance. W. J. Kunz, Jr. 2,504,848, Apr. 18.
Measuring apparatus, Temperature. C. J. Thompson. 2,514,106, July 4.
Measuring apparatus, Temperature responsive. E. M. Smith. 2,509,046, May 23.
Measuring apparatus, Temperature responsive. C. A. Vogelsang. 2,509,048, May 23.
Measuring appliance, Foot. J. E. Mackay. 2,519,676–7, Aug. 22.
Measuring arrangement, Electrical resistance. W. Saville and M. O. Williams. 2,515,736, July 18.
Measuring attachment for valve stem grinders, Valve length tolerance. E. E. Heath and C. Y. Hearn. 2,511,583, June 13.
Measuring corrosion and erosion. W. B. Shank, D. H. Gurinsky, and E. C. Creutz. 2,519,323, Aug. 15.
Measuring delivery means for containers. B. R. Grace. 2,526,349, Oct. 17.
Measuring device. J. A. Adell. 2,512,514, June 20.
Measuring device. A. A. Markson. 2,530,711, Nov. 21.
Measuring device. A. C. Reeside. 2,508,296, May 16.
Measuring device. H. S. Wake. 2,517,264, Aug. 1.
Measuring device. F. Waller. 2,514,686, July 11.
Measuring device and making the same. A. N. Brunson. 2,525,644, Oct. 10
Measuring device, Angle and distance. E. L. Walton. 2,495,558, Jan. 24.
Measuring device, Breast development. P. Amyot. 2,527,206, Oct. 24.
Measuring device, Cathode-ray phase. E. S. Henning. 2,515,221, July 18.
Measuring device, Diameter. C. O. Holt. 2,496,212, Jan. 31.
Measuring device, Distance. J. M. Brown. 2,493,912; Jan. 10.
Measuring device, Distance. P. M. Modlowski and A. M. Skudre. 2,499,520, Mar. 7.
Measuring device, Electrical. R. H. Fox. 2,524,904, Oct. 10.
Measuring device, Electrical. J. D. Shaw. 2,497,961, Feb. 21.
Measuring device, Electrical pressure. L. R. Engvall. 2,531,414, Nov. 28.
Measuring device, Electronic time. I. E. Grosdoff. 2,493,627, Jan. 3.
Measuring device, Flow. W. H. Hagenbuch. 2,522,574, Sept. 19.
Measuring device, Flow. R. B. Stewart. 2,514,907, July 11.
Measuring device, Foot. W. Klaassen. 2,520,248, Aug. 29.
Measuring device, Foot. J. P. Mantos. 2,507,032, May 9.
Measuring device, Foot. A. M. Smith. 2,531,477, Nov. 28.
Measuring device for air filters, Radiation. E. W. Molloy. 2,497,823, Feb. 14.

Measuring device for bowling balls and the like, Span. E. C. Gillett. 2,516,694, July 25.
Measuring device for grain drills, Disconnectible acreage. W. A. Hyland and R. R. Borngraeber. 2,524,385, Oct. 3.
Measuring device for lubricating systems. F. G. Schweisthal. 2,516,427, July 25.
Measuring device for shafts, Torque. B. F. Langer. 2,498,282, Feb. 21.
Measuring device, Force. R. T. Franzel and J. W. Farrell. 2,520,923, Sept. 5.
Measuring device, Frequency. W. Richter. 2,525,046, Oct. 10.
Measuring device, Friction. S. M. Christian. 2,531,906, Nov. 28.
Measuring device having light projection means, Linear. W. W. Davis. 2,498,030, Feb. 21.
Measuring device, Light-intensity. H. P. Kalmus and M. Sanders. 2,500,547, Mar. 14.
Measuring device, Optical. H. L. Cook. 2,518,524, Aug. 15.
Measuring device, Photoelectric. W. R. Le Page. 2,514,284, July 4.
Measuring device, Pressure. R. H. Carter. 2,509,421, May 30.
Measuring device, Pressure. W. R. Perret and T. Davis. 2,506,431, May 2.
Measuring device, Radio echo distance. R. M. Smith. 2,498,381, Feb. 21.
Measuring device, Recording. R. L. Littlejohn. 2,497,087, Feb. 14.
Measuring device, Rotary. C. H. Kelley. 2,495,974, Jan. 31.
Measuring device, Tailor's. A. R. Knipp. 2,501,948, Mar. 28.
Measuring device, Taper. F. A. Maxwell. 2,500,558, Mar. 14.
Measuring device, Temperature. W. A. Kirsch and J. G. Wilhite. 2,530,973, Nov. 21.
Measuring device, Time interval. E. G. Newson. 2,511,868, June 20.
Measuring device, Time interval. S. R. Rich. 2,530,631, Nov. 21.
Measuring device, Tire. G. V. I. Weston. 2,526,056, Oct. 17.
Measuring device, Torque. E. J. Friedrich. 2,493,758; Jan. 10.
Measuring device utilizing oscillatory electric circuits, Impedance. A. Stratton. 2,513,530, July 4.
Measuring dipole moments of gases or vapors. W. D. Hershberger. 2,524,290, Oct. 3.
Measuring dispenser. W. L. Saunders. 2,515,735, July 18.
Measuring electrical properties, Method and apparatus for. H. R. Larson. 2,530,248, Nov. 14.
Measuring equipment, Depth. P. C. Gardiner. 2,519,898, Aug. 22.
Measuring extent of oil saturation of porous materials. P. P. Reichertz. 2,520,058, Aug. 22.
Measuring machine, Belt. U. C. Haren. 2,532,715, Dec. 5.
Measuring machine, Thermal distortion. G. Lubin. 2,495,746, Jan. 31.
Measuring magnetic fields, Method and apparatus for. R. D. Wyckoff. 2,518,513, Aug. 15.
Measuring means, Vent controlled liquid. B. Wilhelm. 2,507,362, May 9.
Measuring means with dipping trap chamber, Fuel oil. H. B. Townley. 2,524,148, Oct. 3.
Measuring of voltage by voltage opposition. A. L. M. A. Rouy. 2,508,424, May 23.
Measuring or control apparatus, Electrical. L. H. Bedford, J. Bell, and E. M. Langham. 2,525,636, Oct. 10.
Measuring out-of-roundness of machined parts. M. Goldberg. 2,515,214, July 18.
Measuring permeability. C. M. Beeson. 2,498,198, Feb. 21.
Measuring radiation, Method and apparatus for. M. J. E. Golay. 2,502,319, Mar. 28.
Measuring, Radioactive. G. Herzog and A. D. Garrison. 2,512,773, June 27.
Measuring system. A. J. Williams, Jr. 2,503,085, Apr. 4
Measuring system, Antihunt electrical. A. J. Hornfeck. 2,494,876, Jan. 17.
Measuring system, Distance. H. G. Busignies. 2,517,540, Aug. 8.
Measuring system, Distance. E. E. Turner, Jr. 2,496,900, Feb. 7.
Measuring system, Electric. H. Ziebolz. 2,533,079, Dec. 5.
Measuring system, Electrical. C. A. Vossberg. 2,510,485, June 6.
Measuring system, Electron beam self-balancing. W. R. Clark. 2,507,590, May 16.
Measuring system, Fluid pressure operated oil. J. C. Reese. 2,501,004, Mar. 21.
Measuring system for direct current power, including an alternating current watt-hour meter. G. N. Hughes. 2,502,848, Apr. 4.
Measuring system, Frequency. L. E. Hunt. 2,499,755, Mar. 7.
Measuring system, Frequency. C. D. Jeffries and H. E. Overacker. 2,519,765, Aug. 22.

Measuring system, Frequency modulation distance. D. Blitz. 2,528,109, Oct. 31.
Measuring system, including an electronically traced vernier scale. H. M. Lewis. 2,504,852, Apr. 18.
Measuring system, Load. F. R. Eldridge, Jr. 2,498,881, Feb. 28.
Measuring system, Pulse-reflection distance. H. O. Wright. 2,507,746, May 16.
Measuring system, Radio distance. G. Guenella. 2,522,367, Sept. 12.
Measuring system, Radio pulse type distance. D. D. Grieg. 2,504,975, Apr. 25.
Measuring system, Relative humidity. R. H. Cherry. 2,501,377, Mar. 21.
Measuring system, Reverberation time. B. Kreuzer and I. R. Goshaw. 2,499,593, Mar. 7.
Measuring system, Sound ranging distance. R. A. Fryklund and J. N. Beebe. 2,502,938, Apr. 4.
Measuring system with alarm device, Radio distance. A. M. Skellett. 2,514,677, July 11.
Measuring system with magnetic brake, Foil. F. E. Fischer. 2,531,417, Nov. 28.
Measuring the activity of radioactive materials, Method and apparatus of. G. H. Wannier. 2,502,683, Apr. 4.
Measuring the level of liquids in tanks. A. H. Gregory. 2,511,632, June 13.
Measuring thorium in thoriated tungsten. E. B. Fehr and W. W. Schultz. 2,502,136, Mar. 28.
Measuring transfers. D. E. Wiegand. 2,528,290, Oct. 31.
Measuring valve. E. W. Davis. 2,532,269, Nov. 28.
Measuring valve. L. M. White. 2,506,125, May 2.
Measuring wheel alignment. J. H. Bender and D. H. Shooter. 2,532,593, Dec. 5.
Meat-block structure. G. L. Burger. 2,500,626, Mar. 14.
Meat chopping device with form gear driving means. B. E. Robinson. 2,531,158, Nov. 21.
Meat curing process. W. M. Zwosta. 2,528,204, Oct. 31.
Meat cutting gauge. G. R. Henney. 2,497,818, Feb. 14.
Meat hanger. J. U. Teague. 2,505,159, Apr. 25.
Meat holder. E. S. Morfesi. 2,496,062, Jan. 31.
Meat holding device. P. Betten and M. Lehrhaupt, 2,533,308, Dec. 12.
Meathook. T. L. Peckinpaugh. 2,520,561, Aug. 29.
Meat package and making the same. J. G. Saunders. 2,533,051, Dec. 5.
Meat product and treating meat. H. M. Condon. 2,527,493, Oct. 24.
Meat products, Preparation of. E. W. Hopkins, L. J. Jendryaszek and H. M. Coleman. 2,521,579, Sept. 5.
Meat products, Preparation of. E. W. Hopkins, L. J. Jendryaszek, and H. M. Coleman. 2,521,849, Sept. 12.
Meat tendering machine. O. R. Deckert. 2,516,621, July 25.
Meat tendering machine. W. W. Gierke, O. E. Brownsey, and V. F. Frye. 2,534,166, Dec. 12.
Meat-tenderizing machine. M. Lang. 2,534,357, Dec. 19.
Mechanical barn cleaner. L. E. Peterson. 2,516,798, July 25.
Mechanical binding. C. D. Trussell. 2,502,493, Apr. 4.
Mechanical connection. A. G. Herreshoff and J. P. Butterfield. 2,513,637, July 4.
Mechanical coupling. L. B. Borst. 2,509,669, May 30.
Mechanical device for converting direct current into high-frequency alternating current. J. L. McCoy and D. H. MacDonald. 2,493,354, Jan. 3.
Mechanical device for separating egg whites from yolks. J. C. Gill. 2,521,907, Sept. 12.
Mechanical device forming a control assembly applicable in steering elements, more particularly as used in aircraft construction. J. A. M. Lecarme. 2,522,284, Sept. 12.
Mechanical duck. C. E. Mann. 2,534,609, Dec. 19.
Mechanical fish. M. Drago. 2,510,309, June 6.
Mechanical hand. T. B. Sansbury. 2,532,732, Dec. 5.
Mechanical lift plug valve. O. Jacobsen. 2,505,971, May 2.
Mechanical linkage. A. C. Hoven, W. E. Nordmark, and W. S. Lindberg. 2,506,151, May 2.
Mechanical movement. P. H. Davey. 2,510,082, June 6.
Mechanical movement. H. M. Dudek. 2,507,664, May 16.
Mechanical movement. C. J. Mensman. 2,530,715, Nov. 21.
Mechanical movement. R. Mercier. 2,495,815, Jan. 31.
Mechanical movement. U. Pianto, E. Pelegatta, and G. Nolli. 2,528,286, Oct. 31.
Mechanical movement. J. J. Sendoykas. 2,506,241, May 2.
Mechanical movement. F. A. Talbot. 2,513,758, July 4.
Mechanical movement. J. M. Unk. 2,508,313, May 16.
Mechanical movement. C. Van Armbruster and E. Bylund. 2,513,383, July 4.
Mechanical movement. R. L. Wilcox and H. L. Hoyt. 2,532,213, Nov. 28.
Mechanical movement for crank-driven engines. A. S. King. 2,506,088, May 2.
Mechanical movement for the conversion of reciprocating and rotary motion. M. I. Napper. 2,528,386, Oct. 31.
Mechanical movement suitable for use as transmission for electric hair clippers. C. Van Armbruster and E. Bylund. 2,510,844, June 6.
Mechanical movement with constantly or intermittently driven member. L. A. Boylan. 2,507,756, May 16.

Mechanical refrigerator water cooler. R. Yuza. 2,526,526, Oct. 17.
Mechanical relay. K. A. Skardal. 2,526,428, Oct. 17.
Mechanical shaping of porous materials. J. W. Payne. 2,517,707, Aug. 8.
Mechanical water depth indicator. N. I. Konwal. 2,518,907, Aug. 15.
Mechanic's tool. R. C. Bradwell and A. R. Miller. 2,511,525, June 13.
Mechanism and method for introducing contents into cartons. R. W. von Sydow. 2,506,819, May 9.
Mechanism for accomplishing axial shift of opposed surfaces of revolution; and also making such mechanism. W. A. Williams. 2,509,711, May 30.
Mechanism for addressing and applying postage stamps to mailing pieces. E. F. Johnson. 2,532,366, Dec. 5.
Mechanism for adjusting and setting radios or other apparatus. 2,513,353, July 4.
Mechanism for adjusting the spacing of traction drive means for variable track vehicles. E. T. J. Tapp and J. Davey. 2,535,762, Dec. 26.
Mechanism for angular adjustment of surgical pin and nail directing apparatus in a vertical plane. M. F. Stephens. 2,519,003, Aug. 15.
Mechanism for artificial legs. H. Sartin. 2,529,968, Nov. 14.
Mechanism for automatic balers, Tying. E. B. Nolt. 2,528,538, Nov. 7.
Mechanism for bedding a firearm barrel in a stock. E. Brown, Jr. 2,497,861, Feb. 21.
Mechanism for centering assembled book elements in match-booking machines. C. F. Wright. 2,501,626, Mar. 21.
Mechanism for centralizing and clamping phonograph disk records. J. L. Giovannucci, J. Werbiskas, and D. F. Balmer. 2,518,232, Aug. 8.
Mechanism for clamping and operating on workpieces. L. E. Topham. 2,512,753, June 27.
Mechanism for connecting engine governors and by-pass valves. E. Rathbun. 2,497,322, Feb. 14.
Mechanism for controlling roller shutters or like closing means. P. Thomassin. 2,526,173, Oct. 17.
Mechanism for controlling web material. J. F. Bannon. 2,521,440, Sept. 5.
Mechanism for converting a uniform motion into a variable motion. M. F. Armelin. 2,535,774, Dec. 26.
Mechanism for converting rotary motion to linear reciprocating motion. J. R. Hefler. 2,503,907, Apr. 11.
Mechanism for converting rotary motion to reciprocatory motion. M. Oschwald. 2,501,631, Mar. 21.
Mechanism for driving propellers. S. K. Hoffman and H. Caminez. 2,512,103, June 20.
Mechanism for driving shafts at equal or unequal speeds. F. J. Wright. 2,516,821, July 25.
Mechanism for ejecting articles from elevators. F. J. Witte. 2,535,979, Dec. 26.
Mechanism for electric switches, Quick make and break. R. N. Rowe. 2,501,742, Mar. 28.
Mechanism for feeding continuous stationery in recording machines. F. E. Lanegan and J. Tibble. 2,493,411, Jan. 3.
Mechanism for filling, vacuumizing, and sealing containers. S. H. Berch. 2,528,680, Nov. 7.
Mechanism for firearms, Safety. J. C. Garand. 2,505,760, May 2.
Mechanism for focusing and sizing images. H. Harrison. 2,518,685, Aug. 15.
Mechanism for forming coils. G. L. Grundmann. 2,496,913, Feb. 7.
Mechanism for handling production from cup forming machines or the like. L. M. Harvey. 2,497,124, Feb. 14.
Mechanism for imparting impulses to pendulums. J. R. Smith. 2,497,327, Feb. 14.
Mechanism for industrial trucks, Lifting. G. Quayle. 2,510,037, May 30.
Mechanism for intermittent movement. W. Ganz. 2,521,211, Sept. 5.
Mechanism for loading and unloading. T. J. Kearney and F. E. McGregor. 2,529,297, Nov. 7.
Mechanism for machine tools, Change-speed. M. S. Curtis and H. Schoepe. 2,504,306, Apr. 18.
Mechanism for machine tools, Indexing. E. L. Fickett and C. F. Wissenbach. 2,529,332, Nov. 7.
Mechanism for mounting sheet material on backing sheets. L. Mestre. 2,520,322, Aug. 29.
Mechanism for moving a rod or other member in a straight line. W. Nelson. 2,533,393, Dec. 12.
Mechanism for opening and closing doors. J. M. Bunch. 2,533,423, Dec. 12.
Mechanism for phonographs, Automatic. F. Holmberg and F. Kylemo. 2,511,982, June 20.
Mechanism for record changers, Terminating. E. R. Hardwick, Jr. 2,503,335, Apr. 11.
Mechanism for releasing molded articles from molds. E. J. Sullivan and J. C. Draper. 2,513,216, June 27.
Mechanism for removing and replacing valves. J. W. King and J. J. McNamee. 2,527,555, Oct. 31.
Mechanism for removing dents. I. E. Reed. 2,510,253, June 6.
Mechanism for removing stacked articles from a chamber. J. E. Underwood. 2,504,236, Apr. 18.
Mechanism for repairing and heat-treating repairs of nylon hosiery. S. Sigel. 2,502,031, Mar. 28.
Mechanism for road graders. A. L. Lado. 2,497,778, Feb. 14.
Mechanism for rolling baby carriages and the like. G. W. Mackie. 2,496,733, Feb. 7.
Mechanism for securing hose to hose fittings. L. R. Nelson. 2,523,628, Sept. 26.
Mechanism for setting the needles or indicating hands of hermetically sealed voltmeter or analogous instruments. H. I. Keroes. 2,529,557, Nov. 14.
Mechanism for stenographic machines, Platen actuating and ribbon feed. G. W. Nunn. 2,523,587, Sept. 26.
Mechanism for straining paint and the like. H. Lamb. 2,532,560, Dec. 5.
Mechanism for the intake valve of expander engines., Operating. H. W. Whiting. 2,528,627, Nov. 7.
Mechanism for the landing doors for elevators, Operating. G. Smith. 2,499,979, Mar. 7.
Mechanism for time stamps, Electrically controlled platen operating. F. Q. Rast. 2,496,598, Feb. 7.
Mechanism for transferring a body from a trailer chassis to a truck chassis, and vice versa. M. Ambarcumian. 2,494,735, Jan. 17.
Mechanism for transferring a maximum demand indication from one indicator to another indicator when the former is restored to its initial position. R. O. Hamill. 2,531,038, Nov. 21.
Mechanism for transforming continuous rotary motion into reciprocating motion. U. Pianta and S. Fiorini. 2,523,231, Sept. 19.
Mechanism for transmitting torque. E. E. Wemp. 2,505,450, Apr. 25.
Mechanism for twisting together two strands. R. J. Clarkson. 2,503,242, Apr. 11.
Mechanism for use in rotary intaglio printing machines, Doctor blade. N. P. Toft. 2,497,520, Feb. 14.
Mechanism for varying the setting of an object in accordance with conditions as established by the setting of the object. W. M. Adams. 2,508,441, May 23.
Mechanism for winding and paying out cables and the like. J. T. Ratcliffe. 2,535,318, Dec. 26.
Mechanism in apparatus for treating material with liquid, Agitating. G. L. Bliss. 2,528,851, Nov. 7.
Mechanism of knitting machines, Pattern. F. Lambach. 2,528,524, Nov. 7.
Medicament dispenser. L. A. Cohn and A. Zola. 2,528,819, Nov. 7.
Medicator for cows' teats. M. H. Newell. 2,523,478, Sept. 26.
Meeting rail latch. H. A. Kaufmann. 2,534,605, Dec. 19.
Megohmmeter. R. W. Gilbert. 2,510,691, June 6.
Megaphone formed of bendable material. H. B. Hochstein. 2,517,665, Aug. 8.
Megaphone, including mouth- and earpieces. C. Cunningham. 2,496,988, Feb. 7.
Melamine and condensation products thereof, Manufacture of. C. P. Dyer. 2,499,373, Mar. 7.
Melamine and resinous products therefrom, Manufacture of. C. P. Dyer. 2,500,489, Mar. 14.
Melamine decolorization. J. S. Mackay, and W. P. Lawler. 2,524,018, Sept. 26.
Melamine-formaldehyde-surfaced cellulose derivative lamination for polarizers. D. P. Cooper, Jr. 2,527,400, Oct. 24.
Melamine resins, Modified. M. J. Scott. 2,508,875, May 23.
Melon carrier. C. C. May. 2,509,573, May 30.
Melter, Honey capping. W. T. Brand. 2,520,304, Aug. 29.
Melting and purifying impure metal powder. E. R. Gilliland. 2,526,473, Oct. 17.
Melting and purifying impure metal powder. W. K. Lewis. 2,526,474, Oct. 17.
Melting glass by electricity. P. Crochet and R. E. Lambert. 2,531,612, Nov. 28.
Melting polymers. W. T. Pigott. 2,515,136, July 11.
Memorandum pad unit. C. C. Harris. 2,527,216, Oct. 24.
Memorandum paper holder. J. J. Fagan. 2,511,771, June 13.
Mending and pressing device, Combination. F. E. and H. A. Salevsky. 2,526,904, Oct. 24.
Menthane aldehyde, Production of. R. B. Wearn. 2,501,200, Mar. 21.
Mercaptal-acetals, Preparation of mixed. J. W. Copenhaver. 2,500,486, Mar. 14.
Mercaptan synthesis. R. T. Bell and C. M. Thacker. 2,498,872, Feb. 28.
Mercaptan synthesis. R. T. Bell and C. M. Thacker. 2,531,601, Nov. 28.
Mercaptans, Preparation of. K. C. Laughlin. 2,514,300, July 4.
Mercaptans, Production of. S. D. Sumerford. 2,514,299, July 4.
Mercaptoacetanilide derivatives. U. Weiss. 2,520,293, Aug. 29.
Mercapto alcohol reaction with polycarboxylic acids. J. C. Patrick and H. R. Ferguson. 2,527,374, Oct. 24.
Mercapto-alkoxy thio-ethers. H. R. Snyder and J. M. Stewart. 2,497,100, Feb. 14.
Mercaptoethanephosphonates. P. O. Tawney. 2,535,174, Dec. 26.

Mercerization. W. F. Luther. 2,512,951, June 27.
Merchandise case. E. P. Cunningham, Jr. 2,496,619, Feb. 7.
Merchandise dispenser. L. C. Klemm and W. E. King. 2,493,976; Jan. 10.
Merchandise display rack. L. H. Burlin. 2,500,115, Mar. 7.
Mercuric oxide, Manufacture of. C. W. Roen. 2,521,949, Sept. 12.
Mercury compounds and making same, Fungicidal. F. J. Sowa. 2,524,547, Oct. 3.
Mercury contact for electrical switches. J. S. Garvin. 2,508,508, May 23.
Mercury pump. W. C. Gardiner. 2,511,466, June 13.
Mercury safety switch. S. R. Matthews and T. J. Darlington. 2,509,514, May 30.
Mercury-, silver-, and gold-mercapto carboxylic acids, Preparing. E. E. Moore. 2,509,198, May 30.
Mercury switch. C. A. Anderson. 2,508,986, May 23.
Mercury switch. E. B. Babler. 2,506,763, May 9.
Meringues and making the same. J. A. Snelling. 2,524,333, Oct. 3.
Merocyanine dyes. L. G. S. Brooker and G. H. Keyes. 2,493,748; Jan. 10.
Merocyanine dyes, Acid. L. G. S. Brooker and F. L. White. 2,493,747; Jan. 10.
Merocyanine dyes containing a carboxy-alkyl group or a sulfoalkyl group. R. H. Sprague. 2,519,001, Aug. 15.
Merocyanine dyestuffs. J. D. Kendall and F. P. Doyle. 2,518,475, Aug. 15.
Merocyanine dyestuffs and intermediates. J. D. Kendall and F. P. Doyle. 2,518,477, Aug. 15.
Merocyanine filter and backing dyes. H. R. Silberstein and B. H. Carroll. 2,527,583, Oct. 31.
Merry-go-round. V. A. Harman. 2,506,214, May 2.
Merry-go-round. C. K. Webb. 2,513,607, July 4.
Mesh forming machine. O. S. Koskinen. 2,512,802, June 27.
Meshing mechanism, Starter jaw. R. M. Heintz. 2,513,937, July 4.
Mesitylene, Production of. W. M. Ewalt. 2,526,213, Oct. 17.
Metachrome dyeing procedure. H. E. Millson, C. A. Amick, and W. H. Watkins. 2,520,105, Aug. 22.
Metachrome dyeing procedure and products dyed therewith. C. A. Amick and G. L. Royer. 2,520,081, Aug. 22.
Meta-dioxanes, Preparation of. R. Rosen and E. Arundale. 2,504,732, Apr. 18.
Metadyne generator and prime mover control. J. M. Pestarini. 2,498,765, Feb. 28.
Metal alloy. V. T. Malcolm. 2,523,838, Sept. 26.
Metal and making same, Composite resinous coated. C. H. Hempel. 2,494,297; Jan. 10.
Metal-arc welding, Constant-potential submerged-melt. H. E. Kennedy. 2,532,411, Dec. 5.
Metal-arc welding process, Inert monatomic gas shielded. H. E. Kennedy. 2,532,410, Dec. 5.
Metal article and making the same, Coated. H. M. Bramberry. 2,534,406, Dec. 19.
Metal articles, Manufacture of composite. R. K. Hopkins. 2,525,133, Oct. 10.
Metal bellows, Making. W. C. Hasselhorn. 2,534,123, Dec. 12.
Metal bottle case. G. T. Powell, Jr. 2,534,879, Dec. 19.
Metal casting mold. A. D. Lund. 2,508,865, May 23.
Metal castings, Making sound. C. G. Lutts, J. P. Hickey, and M. Bock, II. 2,495,273, Jan. 24.
Metal clothesline frame. C. A. Larson. 2,496,549, Feb. 7.
Metal concrete form tie with boring bit. W. E. Schaefer. 2,501,412, Mar. 21.
Metal container for food products. J. Coyle and W. F. Punte. 2,535,839, Dec. 26.
Metal-containing compounds of nicotine fluosilicate as lousicide. E. F. Waller, G. L. Walker, and J. F. Adams. 2,500,303, Mar. 14.
Metal cutting rod and process. F. G. Danhier. 2,510,960, June 13.
Metal deactivator. J. A. Chenicek. 2,530,650, Nov. 21.
Metal deactivators. J. A. Chenicek. 2,533,205, Dec. 12.
Metal detector. J. H. Reynolds. 2,513,745, July 4.
Metal-folding machine with interconnected folding and work-clamping means. A. A. Espari. 2,511,530, June 13.
Metal from its ore, Production of. G. J. A. Bassereau. 2,535,622, Dec. 26.
Metal hull construction. F. R. Elchner. 2,500,279, Mar. 14.
Metal hydride, Coated. T. R. P. Gibb, Jr. 2,513,997, July 4.
Metal identifier. R. F. Stearn. 2,531,747, Nov. 28.
Metal identifier, Triboelectric. A. Doschek. 2,495,707, Jan. 31.
Metal, Imitation stucco finished. F. Kullmer and F. Rienecker. 2,507,020, May 9.
Metal insert, Composite. W. E. Kingston. 2,524,263, Oct. 3.
Metal member, Structural. B. H. Kennedy. 2,508,032, May 16.
Metal nitrodithioacetates, Producing. E. E. Gilberte and H. Weinberger. 2,495,322, Jan. 24.
Metal objects for the application of synthetic resins, Preparing ferrous. C. H. Hempel. 2,535,794, Dec. 26.
Metal oxide catalysts, Reactivating reduced. J. W. Teter. 2,500,776, Mar. 14.
Metal oxyfluoride cracking catalyst, Supported. S. M. Darling. 2,524,771, Oct. 10.
Metal, phosphorus, and sulfur-containing organic compounds. J. M. Hersh. 2,516,119, July 25.
Metal pouring apparatus for centrifugal castings. J. J. Nolan, Jr. 2,495,541, Jan. 24.
Metal pouring mechanism. F. D. Mascaro. 2,510,407, June 6.
Metal powder by end milling of ingots, Method of and apparatus for production of. W. W. Paul and E. M. Hommel. 2,497,738, Feb. 14.
Metal powders, Producing. J. Wulff. 2,527,611, Oct. 31.
Metal, Production of chemically pure cobalt. C. L. Mantell. 2,506,159, May 2.
Metal protected against corrosion and mode of producing same. H. M. Freud. 2,505,734, Apr. 25.
Metal radio tube. A. Binneweg, Jr. 2,515,945, July 18.
Metal recovering machine. E. J. Ohman. 2,534,294, Dec. 19.
Metal removal apparatus, Automatic arc-started thermochemical. R. R. Lobosco. 2,513,425, July 4.
Metal removing device. A. H. Adams. 2,526,624, Oct. 24.
Metal salts of substituted quaternary hydroxy cycloimidinic acid metal alcoholates and preparation of same. H. S. Mannheimer. 2,528,378, Oct. 31.
Metal shearing machine and the like. A. E. Cartlidge. 2,509,479, May 30.
Metal sheath for electric conductor and applying it thereto, Method and apparatus for making flexible. C. G. Jones. 2,525,300, Oct. 10.
Metal strip cutter. W. E. Northcutt. 2,533,612, Dec. 12.
Metal structure. F. I. Rataiczak. 2,503,596, Apr. 11.
Metal suit and trouser hanger. M. W. Boyd. 2,493,385, Jan. 3.
Metal to glass seal and producing same. J. E. Clark, V. L. Ronci, and J. W. West. 2,515,337, July 18.
Metal to glass seal, Manufacturing a. W. A. Billings. 2,498,644, Feb. 28.
Metal to glass sealing method. J. E. Clark and V. L. Ronci. 2,504,303, Apr. 18.
Metal to metal duplications, Manufacture of. E. P. Ruggieri. 2,530,842, Nov. 21.
Metal treating compositions. J. D. Farber. 2,521,783, Sept. 12.
Metal tubing, Method and apparatus for corrugating. J. W. Macklin and W. H. Grant. 2,495,533, Jan. 24.
Metal wall cabinet. M. C. Lumley. 2,511,277, June 13.
Metal water confining means, Protected. N. Smith. 2,518,827, Aug. 15.
Metal window screen. C. H. Boylan, Jr., and P. J. Sehlinger. 2,499,943, Mar. 7.
Metalworking apparatus. F. A. Fritzsch. 2,496,663, Feb. 7.
Metalworking machine adapted to act independently or to augment the functions of machine tools. D. S. McCullough. 2,497,735, Feb. 14.
Metal working method and mechanism. P. D. Wurzburger. 2,500,890, Mar. 14.
Metal-working tool. T. L. McClimans. 2,501,871, Mar. 28.
Metalworking tool. P. Rekettye and C. A. Maxwell. 2,500,469, Mar. 14.
Metal xanthate derivatives. J. P. McDermott. 2,500,195, Mar. 14.
Metallic coating on magnesium and its alloys, Producing a. H. K. De Long. 2,526,544, Oct. 17.
Metallic enamels, Synthetic resin. Le V. K. Osdal and R. E. Pike. 2,493,020, Jan. 3.
Metallic frame. A. F. and A. M. Bock. 2,494,115; Jan. 10.
Metallic iron from iron oxides, Production of. R. D. Pike. 2,501,189, Mar. 21.
Metallic mine stanchion. E. A. Pierre. 2,514,965, July 11.
Metallic oxides for reduction, Preparation of. F. W. de Jahn. 2,511,400, June 13.
Metallic printing members, Production of. J. E. Morse. 2,506,164, May 2.
Metallic sealing ring. A. Reis. 2,518,253, Aug. 8.
Metallic structure, Extensible. R. K. Wellman. 2,531,797, Nov. 28.
Metallic wool pad. C. A. Bruce and F. H. Lyons. 2,497,206, Feb. 14.
Metallurgical apparatus. A. L. Hartley, A. H. Davis, and W. D. Whalen. 2,500,989, Mar. 21.
Metallurgical apparatus, Electric. D. R. Bean. 2,531,964, Nov. 28.
Metallurgical furnace. F. C. Ramsing. 2,530,077–8, Nov. 14.
Metals and products produced thereby, Pouring. H. E. Dunn, H. W. Rathmann, and H. C. Parkman. 2,493,394, Jan. 3.
Metals, the production of vaporizable. V. F. Parry. 2,497,096, Feb. 14.
Metals, Electro-recovery of. J. L. Turner and H. V. Alessandroni. 2,529,237, Nov. 7.
Metals from corrosion, Protection of. C. T. Roland. 2,528,787, Nov. 7.
Metatarsal pad. H. G. McCormick. 2,533,601, Dec. 12.

Meter: *See*—
Acceleration meter.
Aperture meter.
Blood filter and drip meter.
Coin actuated clockless parking meter.
Consistency meter.
Detonation meter.
Differential electrical meter.
Direct reading capacity meter.
Electrical meter.
Electrical moisture meter.
Electronic impedance meter.
Erythemal meter.
Exposure meter.
Fishing line meter.
Fluid meter.
Frequency meter.
Intermodulation meter.
Linear integration meter.
Mach meter.
Mileage meter.
Mutual inductance type meter.
Neutron meter.
Null-balance frequency meter.
Permeability meter.
Photoelectric exposure meter.
Positive displacement type fluid meter.
Stop meter.
Surge protected alternating-current vacuum tube meter.
Thrust meter.
True air-speed meter.
Vacuum tube flux meter.
Visibilty meter.
Water meter.
Watt-hour meter.
Wave meter.
Wide range phase meter.
Wide range radiation intensity meter.
Wind velocity and direction meter.

Meter casing, Electric. H. A. Bernreuter. 2,509,415, May 30.
Meter compensating for diameter of conductor under test. A. J. Sorensen. 2,512,391, June 20.
Meter for measuring a predetermined volume, Liquid flow. C. C. S. Le Clair. 2,534,979, Dec. 19.
Meter for rotating shafts, Integrating load. A. V. Mershon. 2,530,022, Nov. 14.
Meter for taxicabs, Selective passenger registration. R. M. Coleman, C. H. La Mar, and H. N. Robertson. 2,530,861, Nov. 21.
Meter for trucks and the like, Liquid fuel. W. E. Kuehling. 2,500,188, Mar. 14.
Meter having a light-diffusing pivoted cover, Dual range exposure. D. W. Norwood. 2,504,346, Apr. 18.
Meter having a reflector facing the photocell, Photoelectric exposure. L. Riszdorfer. 2,503,768, Apr. 11.
Meter having louvers, light cell, and instrument magnet in contacting layers, Vest pocket exposure. A. G. Stimson. 2,501,547, Mar. 21.
Meter having reflecting means to receive light from two opposite directions, Light. F. Perlin. 2,509,366, May 30.
Meter housing assembly. R. R. Simpson. 2,515,021, July 11.
Meter locking mechanism for mail treating machines. C. D. Ryan and F. B. Sager. 1,522,237, Sept. 12.
Meter motor unit, Thermal demand. L. A. Paine. 2,509,364, May 30.
Meter or the like, Pneumatic. L. Wainwright. 2,516,932, Aug. 1.
Meter protection circuit. G. W. Cowley and D. E. Thomas. 2,516,756, July 25.
Meter provided with portable stroboscopic device, Standard electric. G. E. Maillat. 2,532,416, Dec. 5.
Meter reset device. R. A. Road. 2,531,948, Nov. 28.
Meter reset mechanism, Maximum demand. J. R. Macintyre and R. L. Davis. 2,497,678, Feb. 14.
Meter system, Electric induction. G. Camilli. 2,504,647, Apr. 18.
Meter used in photographic enlarging or reproducing work, Optical comparison exposure. L. Kalman. 2,493,673, Jan. 3.
Meter with electrodynamic field control, Permanent magnet. W. A. Castner. 2,502,369, Mar. 28.
Meter with molded case, Electric. H. A. Bernreuter. 2,517,171, Aug. 1.
Metering and delivering lubricants and the like. C. A. Fine. 2,498,407, Feb. 21.
Metering and line adapter, Two-party. J. H. Voss. 2,535,765, Dec. 26.
Metering device. W. J. Hughes. 2,509,685, May 30.
Metering device, Coffee. K. E. Fraser. 2,533,449, Dec. 12.
Metering device for sewing machines, Oil. H. Ritter. 2,529,573, Nov. 14.
Metering device, Fuel. A. P. Schnaible. 2,502,997, Apr. 4.
Metering device, Liquid. J. B. Hale. 2,529,937, Nov. 14.
Metering device, Lubricant. C. B. Warren. 2,505,595, Apr. 25.
Metering, including selection of the meter prior to signaling the operator, Party line. C. E. Lomax. 2,532,926, Dec. 5.
Metering means for gas using a sliding tube, Optical. J. H. Ramser. 2,498,506, Feb. 21.
Metering mechanism, Liquid level. W. D. Harvey and D. B. Tolley. 2,521,794, Sept. 12.
Metering or control system, Fluid. G. A. Smith. 2,494,673, Jan. 17.
Metering system, Lubricant. D. M. Lawrence. 2,495,976, Jan. 31.
Metering tape dispenser. R. W. Parsons. 2,516,143, July 25.
Metering valve. A. A. Hejduk and P. B. Shannon. 2,516,825, July 25.
Methacrolein oxime, Preparation. D. J. Butterbaugh and N. M. Bortnick. 2,494,859, Jan. 17.
Methacrylonitrile process. L. J. Spillane. 2,518,089, Aug. 8.
Methacrylonitrile purification. L. J. Spillane. 2,527,660, Oct. 31.
Methane dyes and their preparation. J. D. Kendall and H. D. Edwards. 2,527,264, Oct. 24.
Methane, Liquefaction of. W. H. Rupp. 2,529,312, Nov. 7.
Methane sulfonic acid salt of dihydroergotamine. A. Stoll and A. Hofmann. 2,507,830, May 18.
Methanol oxidation catalysts. E. Field. 2,519,751, Aug. 22.
Methanol production. A. V. Grosse and J. C. Snyder. 2,492,983, Jan. 3.
Methanolysis of polyvinyl esters. J. H. Hopkins and J. O. White. 2,513,488, July 4.
Methine dyes containing a pyrimidazolone group. E. B. Knott. 2,514,649, July 11.
Methine dyestuffs. J. E. Beersmans. 2,525,015, Oct. 10.
Methine dyestuffs. J. D. Kendall and G. F. Duffin. 2,527,266, Oct. 24.
Methine dyestuffs. J. D. Kendall and H. D. Edwards. 2,511,210, June 13.
Method and apparatus for centrifugal separation. H. P. Ritsch. 2,528,974, Nov. 7.
Method and apparatus to treat material in form of pieces or powder with gases. J. H. de Laval. 2,522,704, Sept. 19.
Method and apparatus used in X-raying objects. S. H. Nighswander. 2,523,050, Sept. 19.
Method in the preservation of preparations of lactobacillus acidophilus. E. G. Mejlbo. 2,518,355, Aug. 8.
Method involving the use of chemicals for increasing the drying rate of wood. W. K. Loughborough and L. D. Espenas. 2,500,954, Mar. 21.
Method of and apparatus for conditioning air. C. L. Ringquist and R. G. Miner. 2,522,484, Sept. 12.
Methods and flame generating apparatus for spectrophotometric quantitative analysis. T. E. Weichselbaum. 2,532,687, Dec. 5.
Methoxy dicyclopentadiene mercuric chloride for controlling parasites. R. S. Hawley. 2,523,114, Sept. 19.
Methoxyethyl stearate, Making. W. M. Gearhart and M. Broyles. 2,521,906, Sept. 12.
Methyl acetylene and magnesium alcoholates, Production of. A. C. Byrns. 2,510,550, June 6.
Methyl benzenes, Making. H. D. Radford and R. J. Lee. 2,526,899, Oct. 24.
Methyl beta-furfuryloxypropionate, Preparing. C. E. Rehberg and C. H. Fisher. 2,504,151, Apr. 18.
Methylchlorosilanes, Production of. D. L. Bailey and G. H. Wagner. 2,532,387, Dec. 5.
Methyl esters of subtilin. J. F. Carson and J. C. Lewis. 2,520,908, Sept. 5.
Methyl germanium compounds and preparing the same. E. G. Rochow. 2,506,386, May 2.
Methyl octadecyl dichlorosilane. A. J. Barry, D. E. Hook, and L. De Pree. 2,510,853, June 6.
Methyl siloxanes, Chlorinated. R. R. McGregor and E. L. Warrick. 2,522,053, Sept. 12.
Methyl-substituted 2-thenoyl-O-benzoic acids. H. R. Lee and V. Weinmayr. 2,513,570, July 4.
Methyl-thiophanthraquinones. H. R. Lee and V. Weinmayr. 2,513,571, July 4.
Methylation of isoparaffins in the presence of hydrogen fluoride. R. E. Woodward. 2,501,625, Mar. 21.
Methylation of xanthine to form caffeine. W. E. Decker. 2,509,084, May 23.
Methylenedioxyphenyl compound as insecticide, insect repellent, and pyrethrin synergist. E. A. Prill. 2,493,927; Jan. 10.
Methylenedioxy tertiary amines. J. S. Buck, C. M. Suter, and A. R. Surrey. 2,527,527, Oct. 31.
Methylol phosphites. W. E. Craig and W. F. Hester. 2,494,862, Jan. 17.
Metier. A. W. Keight. 2,535,426, Dec. 26.
Mica assembly, Small. D. E. Gray. 2,522,713, Sept. 19.
Mica, Producing bonded. E. L. Schulman. 2,524,932, Oct. 10.
Mica product and making the same. A. E. Parkinson. 2,493,693, Jan. 3.
Mica product and making the same. R. H. Shepard. 2,493,694, Jan. 3.
Micaceous compositions. R. A. Hatch. 2,516,983, Aug. 1.
Microbicidal composition of matter, Producing a. A. Goetz. 2,521,713, Sept. 12.
Microbiological processes. S. F. A. Ekelund. 2,525,214, Aug. 10.
Microchoke valve. J. C. Bush. 2,514,025, July 4.
Microfilm viewer and projecting apparatus with masking and selecting means. A. G. Herrmann. 2,497,606, Feb. 14.
Micro height gauge. G. A. Lemburg. 2,515,719, July 18.
Micromanometer. W. S. Young. 2,509,327, May 30.
Micrometer. S. J. Carlton. 2,516,956, Aug. 1.
Micrometer. C. Holliday and A. A. Hamilton. 2,521,917, Sept. 12.
Micrometer depth and projection gauge. E. F. Vobeda. 2,520,022, Aug. 22.
Micrometer dust guard. J. O. Le Comte. 2,529,561, Nov. 14.

Micrometer head space gauge. L. A. Woodward. 2,497,196, Feb. 14.
Micrometer height gauge. J. N. Bennett. 2,515,583, July 18.
Micrometer height gauge. W. Vangor. 2,535,881, Dec. 26.
Micrometer, Horn. W. B. Mueller. 2,516,478, July 25.
Micrometer lap and guide. B. W. Lance. Re. 23,216, Apr. 4.
Micrometer, Light-weight optical lever. J. L. Westhaver. 2,500,726, Mar. 14.
Microphone having controllable directional response pattern. R. Black, Jr. 2,515,031, July 11.
Microphone, Hearing aid. W. A. Schwalm. 2,533,516, Dec. 12.
Microphone, Inertial electromagnetic throat. D. W. Martin. 2,519,916, Aug. 22.
Microphone, Moistureproof. L. C. Pocock. 2,521,744, Sept. 12.
Microphone or receiver of the condenser type. W. J. Moreland, Jr. 2,509,310, May 30.
Microphone, Pressure gradient responsive. L. J. Anderson. 2,527,344, Oct. 24.
Microphone, Second order differential. A. M. Wiggins. 2,529,467, Nov. 7.
Microphone, Single element, unidirectional, dynamic. H. F. Olson and J. Preston. 2,512,467, June 20.
Microphone, Stabilized feed-back condenser. W. R. Harry. 2,493,819, Jan. 10.
Microphone stand. F. S. Lewis. 2,532,173, Nov. 28.
Microphone testing device. N. N. Estes and L. Fleming. 2,530,383, Nov. 21.
Microphone, Thermal transistor. W. E. Kock. 2,522,521, Sept. 19.
Microphone, Unidirectional dual. M. L. Gayford. 2,527,540, Oct. 31.
Microphone with conductive grains, Transistor. R. L. Wallace, Jr. 2,530,745, Nov. 21.
Microphone with fuse. O. D. M. Guthe and O. A. Shann. 2,494,704, Jan. 17.
Microphone with opposite electrodes being of varying and constant curvature. R. R. Stevens. 2,532,741, Dec. 5.
Microphone with ribbon supported along its edges, Velocity. W. D. Cragg. 2,510,079, June 6.
Microphotometer, Automatic recording. E. Vassy. 2,496,967, Feb. 7.
Microphotometer, Automatic registering. E. Vassy. 2,528,924, Nov. 7.
Microporous resin. C. F. Fisk. 2,505,353, Apr. 25.
Microporous sheet and manufacture. M. R. Ximenez and J. H. Ferguson. 2,517,753, Aug. 8.
Microscope. B. G. Gallasch. 2,530,352, Nov. 14.
Microscope auxiliary stage with electrodes. H. M. Porter. 2,498,220, Feb. 21.
Microscope comprising magnetic focusing, Electron. J. B. Le Poole. 2,494,442, Jan. 10.
Microscope, Electron. J. B. Le Poole and A. Verhoeff. 2,512,947, June 27.
Microscope, Electronic. A. Verhoeff. 2,508,317, May 16.
Microscope objective. J. H. Small. 2,520,019, Aug. 22.
Microscope, Projection. D. D. Lowber and J. D. Reardon. 2,518,240, Aug. 8.
Microscope, Projection. J. D. Reardon and L. J. Peters. 2,518,252, Aug. 8.
Microscope provided with a projecting mirror, Electron. P. Grivet. 2,502,146, Mar. 28.
Microscope with self-contained illuminator and rotatable diaphragm. J. J. Host. 2,503,389, Apr. 11.
Microscope with variable polarizing and birefringent means for producing contrast in optical images. H. Osterberg and A. H. Bennett. 2,516,905, Aug. 1.
Microswitch, Thermal. P. J. Cade. 2,520,906, Sept. 5.
Microviewer. F. Skupien. 2,502,178, Mar. 28.
Microwave apparatus. T. Moreno. 2,497,094, Feb. 14.
Microwave band reflection filter. W. D. Lewis and L. C. Tillotson. 2,510,288, June 6.
Microwave closure member and seal therefor. D. Blitz. 2,527,908, Oct. 31.
Microwave device, Tunable. E. G. Linder. 2,527,946, Oct. 31.
Microwave device, Variable reactive. J. Evans. 2,532,157, Nov. 28.
Microwave mode changer and integrator. E. G. Linder. 2,520,602, Aug. 29.
Microwave oscillator apparatus comprising a velocity modulation tube. D. E. Sunstein. 2,512,980, June 27.
Mileage and route indicator. W. C. George. 2,503,255, Apr. 11.
Mileage meter. D. Holley and S. M. Udale. 2,507,442, May 9.
Miles per gallon gauge. H. O. Redue, Jr. 2,522,299, Sept. 12.
Military ribbon bar. H. Elkies. 2,495,577, Jan. 24.
Milk bottle carrying case. E. R. Erickson. 2,512,855, June 27.
Milk bottle holder. J. G. Heuer. 2,508,945, May 23.
Milk chocolate. B. K. Hällqvist and L. O. J. Campbell. 2,519,833, Aug. 22.
Milk products, Stabilized. D. K. O'Leary. 2,497,320, Feb. 14.
Milk strainer pad dispenser. R. Schneider. 23,233, May 23.
Milker inflation and shell. H. B. Babson and C. A. Thomas. 2,502,362, Mar. 28.
Milking and handling the milk of farm animals. G. R. Duncan. 2,512,094, June 20.
Milking apparatus. N. Cordis. 2,509,214, May 30.
Milking machine. A. E. Anderson. 2,518,589, Aug. 15.
Milking machine. E. T. Jansson. 2,510,581, June 6.
Milking machine. H. A. McArthur and J. B. Decker. 2,508,960, May 23.
Milking system and apparatus therefor. G. R. Duncan. 2,498,401, Feb. 21.
Milking system, Vacuum. S. J. Erling. 2,526,212, Oct. 17.
Mill: *See*—

Bar mill.	Rotary beater grinding mill.
Cane mill.	Screening ball mill.
Clover seed cleaning mill.	Swing hammer mill.
Colloidal mill.	Tandem rotary expanding mill.
Continuous feed tumbling mill.	Tumbling mill.
Multiple and rotatable stamp mill.	Two-stage air swept ball mill.
Plural stage tube mill.	Vertical rolling mill.
Processing mill.	
Rod mill.	

Mill. R. E. Rummins. 2,495,387, Jan. 24.
Mill and separator, Fluid type attrition. H. L. Crowley, E. F. Mosthaf and A. S. Henderson. 2,521,000, Sept. 5.
Mill feed tensioning device, Rolling. C. O. Bruestle. 2,501,024, Mar. 21.
Mill of the rolling mortar type, Pulverizing. R. L. Newcomb and C. J. Harrah. 2,533,684, Dec. 12.
Mill roll stand. H. C. Behrens. 2,499,562, Mar. 7.
Mill roll stand. E. B. Seeger. 2,535,815, Dec. 26.
Mill screen. F. G. Lively. 2,523,034, Sept. 19.
Mill with adjustable legs, Portable soil. R. B. Ensminger. 2,525,023, Oct. 10.
Mill with centrifugally positioned pestles, Shear grinding. E. J. Clerk. 2,524,884, Oct. 10.
Mill with independent and arcuately swingable jaws, Plural-stage stone-crushing. J. L. Brickley. 2,498,151, Feb. 21.
Mill with overload release means, Coffee. F. C. Rudolph and R. T. Watts. 2,526,160, Oct. 17.
Mill with rotary midsection, Cylindrical attrition. K. Z. Huszár. 2,518,143, Aug. 8.
Mill with rotating target, Centrifugal impeller. H. A. Fisher and R. Rainnie. 2,512,523, June 20.
Mill with set elongation, Rolling. P. Blain. 2,519,818, Aug. 22.
Mill with traveling breaker plate, Hammer. J. T. Fowler. 2,497,985, Feb. 21.
Miller with rotary impactors and rotary screens, Plural stage. F. S. Smith. 2,501,622, Mar. 21.
Milling attachment for lathes. R. Solomon. 2,500,880, Mar. 14.
Milling cutter. C. Boyle. 2,521,035, Sept. 5.
Milling cutter. R. F. Onsrud. 2,524,232, Oct. 3.
Milling head. S. I. Sherr. 2,534,882, Dec. 19.
Milling isobutylene-multiolefin copolymer synthetic rubber prior to curing. I. E. Lightbown, W. J. Sparks, and R. M. Thomas. 2,494,766, Jan. 17.
Milling machine. J. B. Armitage. 2,499,842, Mar. 7.
Milling machine. E. N. Eklund. 2,504,968, Apr. 25.
Milling machine attachment. C. Van Ausdall. 2,519,206, Aug. 15.
Milling machine attachment. W. C. Hungerford. 2,508,390, May 23.
Milling machine head. H. N. Baney. 2,530,502, Nov. 21.
Milling machine, Pattern controlled. J. Q. Buckles, G. A. Lensky, and W. Trible. 2,535,896, Dec. 26.
Milling machine transmission and control. L. F. Nenninger and F. A. Hassman. 2,504,443, Apr. 18.
Milling, mixing, and extruding plastic material. A. W. Hanson, A. L. Heston and H. E. Buecken. 2,519,834, Aug. 22.
Milling rubbery hydrocarbon polymer with resinous residue from polymerization of cracked gasoline. L. R. Sperberg and C. C. Crawford. 2,519,796, Aug. 22.
Milling tool. A. Sherman and R. Gottlieb. 2,527,968, Oct. 31.
Mine car. L. W. Sage, H. B. Stanton, and P. V. McClanahan. 2,505,583, Apr. 25.
Mine car coupling bar. P. Laukus, Sr. 2,514,710, July 11.
Mine clearing snake. J. E. Pool. 2,511,005, June 13.
Mine passenger car. H. F. Flowers. 2,501,503, Mar. 21.
Mine sweeping method and device, Moored. W. G. White. 2,524,863, Oct. 10.
Mine roof and timbering jack. F. J. Jakoubek. 2,532,168, Nov. 28.
Mining machine. F. L. Fulke. 2,533,572, Dec. 12.
Mining machine. J. C. Sproul. 2,512,392, June 20.
Mining machine cutter bit. O. Phipps. 2,521,089, Sept. 5.
Mining machine, Granular. F. C. Greene. 2,528,748, Nov. 7.
Mining machine lubrication. A. L. Lee. 2,530,249, Nov. 14.
Mining machine, Oil shale. J. G. Findlater. 2,495,840, Jan. 31.
Mining of sulfur. De W. T. McIver, C. O. Lee, and B. A. Axelrad. 2,493,413, Jan. 3.

Mineral aggregate and making same, Coated. J. Petitjean. 2,498,862, Feb. 28.
Mineral lubricating oil composition. F. M. Watkins. 2,529,523, Nov. 14.
Mineral lubricating oil compositions containing dialkyldithiophosphoric acid-formaldehyde condensation products. E. O. Hook and P. H. Moss. 2,531,129, Nov. 21.
Mineral lubricating oil containing alkali and alkaline earth metal salts of alkylated dibenzothiophene sulfonic acid. F. P. Richter and E. W. Fuller. 2,527,334, Oct. 24.
Mineral lubricating oil containing polysulfides of thiophosphorous and thiophosphoric acid esters. L. A. Mikeska. 2,526,479, Oct. 17.
Mineral oil composition. H. G. Berger and E. W. Fuller. 2,493,216–17, Jan. 3.
Mineral oil composition. H. D. Norris. 2,528,773, Nov. 7.
Mineral oil composition. E. A. Oberright. 2,498,961, Feb. 28.
Mineral oil composition. H. E. Redman. 2,495,478, Jan. 24.
Mineral oil composition. F. M. Watkins. 2,529,524, Nov. 14.
Mineral oil composition and additive therefor. L. T. Eby. 2,523,100, Sept. 19.
Mineral oil composition containing a thehylamine. H. D. Hartough and S. J. Lukasiewicz. 2,497,067, Feb. 14.
Mineral oil composition containing hexachlorothiolene. H. D. Norris and J. H. McCracken. 2,504,085, Apr. 11.
Mineral oil composition containing thienyl sulfides. J. W. Brooks and A. N. Sachanen. 2,534,223, Dec. 19.
Mineral oil compositions containing alkyl aminobenzothiophenes. F. P. Richter and E. W. Fuller. 2,528,785, Nov. 7.
Mineral oil compositions containing trithienyl-trithioorthoformate. J. W. Brooks. 2,522,490, Sept. 19.
Mineral oil containing a copolymer of an aliphatic monoolefin and dihydronaphthalene. E. Lieber. 2,522,455, Sept. 12.
Mineral oil lubricants containing polymers of 1-olefins. C. M. Fontana and G. A. Kidder. 2,525,788, Oct. 17.
Mineral pellets. M. W. Zellers. 2,512,537, June 20.
Mineral plastic, Making. H. L. Pierce. 2,517,235, Aug. 1.
Mineral separation apparatus and process. N. L. Davis. 2,516,962, Aug. 1.
Mineral separation process. N. L. Davis. 2,521,152, Sept. 5.
Mineral vapor generating cabinet. F. D. Rice. 2,507,815, May 16.
Mineral wool furnace. R. B. Collins. 2,521,830, Sept. 12.
Miniature golf game table. E. W. Kummer. 2,510,985, June 13.
Miniature multiple unit variable resistor. K. W. Youngbeck and H. J. Glueckstein. 2,525,993, Oct. 17.
Minimizing adhesion between rubber insulation layers of electric conductors and the resultant article. J. H. Ingmanson. 2,526,483, Oct. 17.
Minimizing deposition of carbonaceous material, Method of and apparatus for. R. C. Lassiat. 2,492,998–9, Jan. 3.
Minimizing deposition of carbonaceous material, Method of and apparatus for. R. T. Savage. 2,493,035, Jan. 3.
Minimizing deposition of carbonaceous material, Method of and apparatus for. R. T. Savage and D. D. McKinney. 2,493,036, Jan. 3.
Minimizing electron optical distortions in electron camera tubes. B. M. Oliver. 2,535,810, Dec. 26.
Minimizing "patchiness" in etched chromium electrodeposits. G. Dubpernell. 2,497,591, Feb. 14.
Minimizing power supply ripples. F. A. Firestone and R. B. De Lano, Jr. 2,517,994, Aug. 8.
Minimizing reflection of radio waves. J. Collard. 2,527,918, Oct. 31.
Minnow holder. J. D. Bennek. 2,502,816, Apr. 4.
Minnow holder. R. W. Brecht and E. H. Meyer. 2,531,551, Nov. 28.
Minnow trap. C. R. Bergman. 2,522,017, Sept. 12.
Minograph for photofluorography. E. R. Goldfield, R. J. Stava, and E. J. Bastin, Jr. 2,496,089, Jan. 31.
Mirror and light beam wheel alignment characteristic measuring device. R. E. Wilson. 2,496,324, Feb. 7.
Mirror and making same, Metallic. A. F. Turner. 2,519,722, Aug. 22.
Mirror, Antiglare rear-vision. F. Budreck. 2,502,699, Apr. 4.
Mirror attached spectacle frame. J. Kozloff. 2,502,224, Mar. 28.
Mirror, Colored. W. H. Colbert and W. L. Morgan. 2,519,545–7, Aug. 22.
Mirror construction having a resilient securing band. O. C. Ritz-Woller. 2,495,347, Jan. 24.
Mirror device, Illuminated. P. E. Bisch, J. P. Dobbins, and G. G. Edlin. 2,515,437, July 18.
Mirror display sign. H. and P. Hopp. 2,504,331, Apr. 18.
Mirror for motor vehicles, Rearview. C. G. Koonter. 2,533,475, Dec. 12.
Mirror for providing a 360° view to the driver, Automobile. H. Garlow. 2,528,590, Nov. 7.
Mirror for vehicles, Front view. D. L. Lahr and A. Schwitalla. 2,534,135, Dec. 12.
Mirror, Hand. G. Glass. 2,505,615, Apr. 25.
Mirror having a strongly adherent metallic coating. W. H. Colbert, W. L. Morgan, and A. R. Weinrich. 2,508,858, May 23.
Mirror having contrasting colors, Outside rear-vision. N. J. Buren. 2,514,989, July 11.
Mirror having preset selective adjusting means, Rearview. F. J. Pruellage. 2,504,387, Apr. 18.
Mirror having two-position setting means, Rearview. C. A. Brady, Jr., and J. J. Barich, Jr. 2,504,386, Apr. 18.
Mirror, Multiple view safety. H. E. Orser. 2,493,546, Jan. 3.
Mirror protector. J. Mattei. 2,524,731, Oct. 3.
Mirror, Rearview. J. W. Anderson, Jr. 2,500,784, Mar. 14.
Mirror, Rearview. L. E. Jones. 2,523,118, Sept. 19.
Mirror, Rearview. J. L. Younghusband. 2,534,495, Dec. 19.
Mirror, Rear-vision. J. W. Anderson, Jr. 2,516,939, Aug. 1.
Mirror, Signaling. R. S. Hunter. 2,504,982, Apr. 25.
Mirror structure. I. M. Maddox. 2,503,163, Apr. 4.
Mirror structure having an elastic mounting band, Vehicle rearview. F. Budreck. 2,498,065, Feb. 21.
Mirror supporting means. F. W. Zink. 2,533,867, Dec. 12.
Mirror system for vehicles, Rearview. G. F. Jolliffe. 2,514,647, July 11.
Mirror, Two-surface dental. G. W. Ransdell. 2,525,181, Oct. 10.
Mirror with image projecting periscopical facilities, Rearview. W. D. Lusebrink. 2,501,067, Mar. 21.
Mirror with replaceable reflector, Dental. L. L. Gittelson. 2,534,706, Dec. 19.
Miscible mixture of alpha-cyanoacetamide and an acrylonitrile polymer. G. E. Ham. 2,522,445, Sept. 12.
Missile, Directed. M. B. Robinson. 2,520,433, Aug. 29.
Missile, Guided. E. C. Sparks, Jr., and M. B. Taylor. 2,512,693, June 27.
Missile, Incendiary. W. Nicholas. 2,509,244, May 30.
Miter box. N. M. Ludwig. 2,518,801, Aug. 15.
Mitering machine, Pipe. L. W. Young. 2,495,360, Jan. 24.
Miticidal composition comprising di-(4-chlorophenoxy)-methane and the dicyclohexylamine salt of 2,4-dinitro-6-cyclohexyl phenol. O. H. Hammer. 2,524,728, Oct. 3.
Miticidal compositions comprising a 2,2-bis(para-alkoxyphenyl)-propane. E. W. Bousquet, J. H. Cochran, and C. J. Krister. 2,504,382, Apr. 18.
Miticidal compositions comprising 4-chlorophenyl 4-chlorobenzene sulfonate. R. W. Hummer and E. E. Kenaga. 2,528,310, Oct. 31.
Mitt, Beauty. C. H. Halley. 2,501,565, Mar. 21.
Mitt, Baseball. A. J. Turner. 2,528,802, Nov. 7.
Mitt, Cleaning and polishing. O. J. Kirchner. 2,505,409, Apr. 25.
Mitt, Drying and polishing. A. Mayes. 2,534,982, Dec. 19.
Mitt or glove, Baseball. C. A. Smith. 2,521,488, Sept. 5.
Mitten, Massage. I. Moscowitz. 2,533,036, Dec. 5.
Mixer: *See*—
Babcock text mixer.
Cement mixer.
Concrete mixer.
Drink mixer.
Dry feed mixer.
Feed mixer.
Flow mixer.
Food mixer.
Fuel mixer.
Gaseous fuel mixer.
Hand-operated food mixer.
High-frequency mixer.
Household mixer.
Magnetic drink mixer.
Mortar mixer.
Natural gas mixer.
Paint mixer.
Portable mixer.
Portable power-driven mixer.
Power-driven mixer.
Refrigerated dough mixer.
Rotary mixer.
Soft drink mixer.
Thermostatic mixer.
Transport mixer.
Wave guide mixer.
Mixer. B. L. Benson. 2,512,603, June 27.
Mixer. C. P. Brasington. 2,525,585, Oct. 10.
Mixer. F. H. Heine. 2,507,522, May 16.
Mixer. E. W. Gratias. 2,515,555, July 18.
Mixer. P. Schildknecht. 2,510,934, June 6.
Mixer and dispenser, Fertilizer. A. Brodin. 2,501,260, Mar. 21.
Mixer and hoist, Concrete. C. W. Fuelling. 2,520,033, Aug. 22.
Mixer bowl cover. F. B. Post. 2,504,727, Apr. 18.
Mixer cabinet. W. E. Dunn. 2,527,407, Oct. 24.
Mixer circuit. R. B. Dome. 2,519,030, Aug. 15.
Mixer circuit. A. van der Ziel and M. J. O. Strutt. 2,503,780, Apr. 11.
Mixer device, Self-cleaning. A. Johnson and P. Antonioli, Jr. 2,515,713, July 18.
Mixer for internal-combustion engines, Gas fuel. H. F. Shepherd and C. W. Areson. 2,505,725, Apr. 25.
Mixer for liquids. G. C. Mueller. 2,511,291, June 13.
Mixer for the making of light concrete. M. Janhunen. 2,522,040, Sept. 12.
Mixer having adjustable discharge height, Transit concrete. B. F. Devine and L. G. Hilkemeier. 2,533,362, Dec. 12.
Mixer or the like, Electric food. I. D. Wallach. 2,502,239, Mar. 28.
Mixer valve. S. R. Putnam. 2,525,313, Oct. 10.
Mixer with automatic temperature regulation, Liquid. C. B. Arnold. 2,525,511, Oct. 10.
Mixes for use in electrolytic recording, Dry. H. G. Greig. 2,513,238, June 27.
Mixing and aerating machine. J. A. Rice. 2,507,349, May 9.

Mixing and dispensing apparatus, Liquid. A. E. Prack. 2,527,848, Oct. 31.
Mixing and dispensing device. F. E. Mosby, Jr. 2,518,709, Aug. 15.
Mixing and scraping machine, especially adapted for use as ice-cream freezers. P. Carpigiani. 2,519,543, Aug. 22.
Mixing apparatus. J. D. Allen. 2,500,394, Mar. 14.
Mixing apparatus. Le R. Eaby. 2,495,241, Jan. 24.
Mixing apparatus. W. W. Jones. 2,495,242, Jan. 24.
Mixing chamber for suction cleaners. A. M. McGuire. 2,527,439, Oct. 24.
Mixing circuit. P. D. van der Knaap. 2,512,399, June 20.
Mixing device. F. V. Forss. 2,530,455, Nov. 21.
Mixing device. N. Grubelic. 2,526,351, Oct. 17.
Mixing device. G. D. Turnbow and A. V. Osborne. 2,513,382, July 4.
Mixing device. L. M. Weeks. 2,498,190, Feb. 21.
Mixing device. J. Wolfson. 2,509,122, May 23.
Mixing device, Agitating. C. F. Warren. 2,499,203, Feb. 28.
Mixing device and level control means therefor, Gas and liquid. N. L. Luster. 2,507,987, May 16.
Mixing device, Fluid. C. D. Branson. 2,507,621, May 16.
Mixing device for gas burners. L. Lientz. 2,532,671, Dec. 5.
Mixing device for oil burners. W. C. Pait. 2,524,471, Oct. 3.
Mixing device, water and air. J. J. Goodrie. 2,510,395, June 6.
Mixing machine. F. Beken. 2,520,827, Aug. 29.
Mixing machine. J. J. Dugas. 2,513,012, June 27.
Mixing machine. S. L. Goodchild. 2,502,563, Apr. 4.
Mixing machine, Beverage. S. A. Domack, J. J. Rutkowski, and D. L. Sissler. 2,501,441, Mar. 21.
Mixing machine, Concrete. E. Hill. 2,501,566, Mar. 21.
Mixing machine, Feed. E. W. Baymond. 2,498,237, Feb. 21.
Mixing machine for plastic materials. E. G. Loomis. 2,504,337, Apr. 18.
Mixing machine, Multiple drink. E. S. Prince and J. Brotheridge. 2,531,989, Nov. 28.
Mixing machine, Paint. A. Kost. 2,527,556, Oct. 31.
Mixing means, Proportional. H. Wright and C. E. Blackman. 2,507,291, May 9.
Mixing mechanism for dispensing freezers. H. M. Oltz. 2,506,101, May 2.
Mixing molten glass, Method of and apparatus for. R. B. Wiley and R. G. Russell. 2,515,481, July 18.
Mixing of granular material with liquids. L. Walker. 2,516,436, July 25.
Mixture of polyethylene with hydrocarbon obtained by hydrogenation of carbon monoxide. R. A. Jacobson. 2,499,756, Mar. 7.
Mixing partition for combustion chambers. R. H. Goddard. 2,510,572, June 6.
Mixing system, Signal. W. E. Bradley. 2,493,801, Jan. 10.
Mixing valve. W. K. Fairchild. 2,519,448, Aug. 22.
Mixing valve. G. J. Jurisich and W. M. Ferguson. 2,494,044, Jan. 10.
Mixing valve. R. Simpson. 2,520,069, Aug. 22.
Mixture control apparatus. R. H. Goddard. 2,518,880, Aug. 15.
Mixture of insoluble amino-anthraquinone dyes. P. Grossmann and W. Kern. 2,506,020, May 2.
Mixture of polyvinyl ethers with phenolacetylene resins. I. V. Runyan. 2,531,364, Nov. 21.
Mixtures of interpolymers. A. W. Meyer. 2,521,078, Sept. 5.
Mobile crop drier. S. C. Heth. 2,513,480, July 4.
Mobile heavy ordnance. T. A. Conlon, T. O. Davidson, A. R. Taylor, H. E. Richardson, H. A. Riniker, and H. C. Beitzel. 2,520,118, Aug. 29.
Mobile unit for heating buildings during construction. A. C. Baumann. 2,509,624, May 30.
Mode changer and integrator, Microwave. E. G. Linder. 2,520,604, Aug. 29.
Model airplane structure. P. K. Guillow. 2,505,541, Apr. 25.
Model, Clinical. L. Coel. 2,495,568, Jan. 24.
Model, Collapsible monument. J. Frossard. 2,514,232, July 4.
Model railroad signal. J. W. Sponsler. 2,520,445, Aug. 29.
Modeling apparatus. C. Breer, J. C. Zeder and W. P. Cousino. 2,518,748, Aug. 15.
Modification and dyeing of acrylonitrile polymers. M. Q. Webb. 2,527,863, Oct. 31.
Modification of and shrinkproofing of wools with amines. G. C. Le Compte. 2,493,765, Jan. 10.
Modification of B. A.-type wool. S. E. Swanson. 2,535,022, Dec. 19.
Modification of B. A.-type wool to impart harshness and low luster thereto. S. E. Swanson. 2,534,317, Dec. 19.
Modification of B. A. type wools. S. E. Swanson. 2,534,319, Dec. 19.
Modification of drying oils. G. M. Williams. 2,529,528, Nov. 14.
Modification of starch. R. W. Kerr. 2,503,053, Apr. 4.
Modification of wool to increase its harshness and fullness and to decrease its luster. S. E. Swanson. 2,534,314, Dec. 19.
Modification of wool with beta-propiolactone. H. W. Jones and H. P. Lundgren. 2,517,573, Aug. 8.
Modifying B. A.-type wool to impart harshness and low luster thereto. S. E. Swanson. 2,534,318, Dec. 19.
Modifying fatty oils. S. B. Radlove. 2,497,689, Feb. 14.
Modifying section for storm window frames. C. L. Webster. 2,530,846, Nov. 21.
Modifying the surface characteristics of polyethylene structures and product resulting therefrom. W. F. Henderson. 2,502,841, Apr. 4.
Modulated ultra high frequency signal generator. C. C. Lundy. 2,494,568, Jan. 17.
Modulating an electronic circuit. A. G. Peters. 2,503,352, Apr. 11.
Modulating device, Wave length. G. Hepp. 2,497,605, Feb. 14.
Modulating gas control means. C. C. Douglas. 2,526,069, Oct. 17.
Modulating system. G. H. Brown. 2,506,132, May 2.
Modulating valve. C. I. Stevens. 2,497,635, Feb. 14.
Modulation, Balanced. T. T. N. Bucher. 2,498,526, Feb. 21.
Modulation circuit. F. de Jager and H. van de Weg. 2,500,807, Mar. 14.
Modulation conversion system. E. R. Shenk and A. Liguori. 2,505,368, Apr. 25.
Modulation device, Electron velocity. S. G. Tomlin. 2,502,492, Apr. 4.
Modulation of an ultra-short wave transmitter, The direct. M. Ponte and A. J. Ortusi. 2,518,371, Aug. 8.
Modulation of high-frequency generators. W. J. Albersheim. 2,498,059, Feb. 21.
Modulation of ultrashort waves. H. Gutton and A. J. Ortusi. 2,523,209, Sept. 19.
Modulation protective arrangement. J. R. Sherwood and K. L. Klippel. 2,534,073, Dec. 12.
Modulation system. H. A. Vila. 2,496,610, Feb. 7.
Modulation system, Angular velocity. G. Guanella. 2,522,368, Sept. 12.
Modulation system, Single side band. R. H. Dicke. 2,496,521, Feb. 7.
Modulator. J. W. Gray. 2,493,669, Jan. 3.
Modulator. M. G. Pawley. 2,514,413, July 11.
Modulator and frequency changer. W. W. Hansen. 2,500,945, Mar. 21.
Modulator, Cathode-ray tube. E. Labin and D. D. Grieg. 1,516,886, Aug. 1.
Modulator circuit. J. R. Moore. 2,516,135, July 25.
Modulator circuit. G. Peterson. 2,494,830, Jan. 17.
Modulator circuit. E. L. C. White. 2,500,480, Mar. 14.
Modulator, Electric pulse. A. H. Reeves. 2,495,768, Jan. 31.
Modulator for frequency modulation, Resistance. E. M. Ostlund, M. Silver, and A. R. Vallarino. 2,516,906, Aug. 1.
Modulator for multichannel signaling systems. M. M. Levy. 2,516,221, July 25.
Modulator, Frequency. S. M. Rodhe. 2,524,992, Oct. 10.
Modulator, Grounded grid microwave. W. W. Mumford. 2,530,836, Nov. 21.
Modulator, High fidelity. R. R. Lee. 2,519,256, Aug. 15.
Modulator, Line pulse. J. E. Gorham and W. T. Silver. 2,534,261, Dec. 19.
Modulator, Line pulse. I. Sager. 2,533,285, Dec. 12.
Modulator of the dry type. A. G. Clavier and M. Denis. 2,510,075, June 6.
Modulator, Pulse code. A. Lesti. 2,521,733, Sept. 12.
Modulator, Radio phase. W. L. Smith. 2,524,845, Oct. 10.
Modulator, Single side band. N. V. Peterson. 2,499,279, Feb. 28.
Modulator, Single side band. G. L. Usselman. 2,507,178, May 9.
Modulator, Single side band. R. R. Yost, Jr. 2,535,340, Dec. 26.
Modulator, Traffic-light. G. B. Cook. 2,514,373, July 11.
Moist air filter. R. S. McKinzey. 2,531,071, Nov. 21.
Moistener and sealer, Envelope. H. E. Forsberg. 2,525,291, Oct. 10.
Moistener and sealer, Envelope. P. Willis. 2,530,037, Nov. 14.
Moistener for duplicating apparatus. G. R. Robinson and P. T. Trueman. 2,510,256, June 6.
Moistener for duplicating machines. A. J. Wright. 2,496,838, Feb. 7.
Moistening and/or gumming device, Label. A. I. Voorhies. 2,503,694, Apr. 11.
Moistening and/or gumming device, Label. A. I. Voorhies. 2,517,263, Aug. 1.
Moistening device. F. J. Williams. 2,504,773, Apr. 18.
Moistening device for duplicating machines. A. V. Ditty. 2,534,422, Dec. 19.
Moistening device for duplicating machines. F. R. Ford. 2,505,035, Apr. 25.
Moistening device for envelope flaps. W. J. Hanson and A. D. Linden. 2,497,727, Feb. 14.
Moistening device for labels, stamps, and the like. E. E. Gaunt. 2,500,066, Mar. 7.
Moistening device for tape-serving mechanisms. A. P. Krueger. 2,506,673, May 9.
Moistening mechanism for duplicating machines. H. Gerlach. 2,533,574, Dec. 12.
Moistening of tobacco. A. H. Heineman. 2,516,118, July 25.

Moisture conditioning tobacco container. P. W. Rodman. 2,505,650, Apr. 25.
Moisture control device for duplicating machines. F. R. Ford. 2,530,426, Nov. 21.
Moisture determination. W. C. Anderson. 2,535,026, Dec. 26.
Moisture indicator. P. B. Davis and J. N. Pryor. 2,526,938, Oct. 24.
Moisture indicator. G. D. Metzger. 2,506.806. May 9.
Moistureproofing a piezoelectric crystal element. C. K. Gravley. 2,518,883, Aug. 15.
Moistureproofing compositions. J. E. Moose. 2,500,426–7, Mar. 14.
Moisture removing apparatus. R. L. Atkinson and E. J. Hopkins. 2,526,189, Oct. 17.
Moisture-resistant flameproofed product and making same. O. Edelstein. 2,526,462, Oct. 17.
Moisture-resistant lightning arrester valve block. J. S. Ferguson and H. E. Dyche, Jr. 2,501,322, Mar. 21.
Moisture-temperature device, Electric. H. J. Oberding. 2,494,628, Jan. 17.
Mold: *See*—
Butter mold.
Cake mold.
Cheese mold.
Confection mold.
Corrugating mold.
Divided suction mold.
Egg mold.
Heating mold.
Injection mold.
Metal casting mold.
Multiple block mold.
Piston mold.
Self-locking centrifugal mold.
Sugar bell mold.
Tieless concrete mold.
Traveling mold.
Mold. K. S. Howard. 2,514,952, July 11.
Mold. C. D., A. J and C. Schermuly. 2,502,595, Apr. 4.
Mold and cutting lubricant, Rubber. W. G. Kunze. 2,499,028, Feb. 28.
Mold and hot top, Ingot. W. W. Urmetz. 2,495,992, Jan. 31.
Mold and liner, Centrifugal. E. R. Olsen, R. F. Flora, and C. J. Lonnee. 2,495,817, Jan. 31.
Mold and liner therefor, Centrifugal. E. R. Olsen, R. F. Flora, and C. J. Lonnee. 2,494,405, Jan. 10.
Mold and making same, Refractory. R. C. Feagin. 2,521,839, Sept. 12.
Mold and sprue cutter for casting sinkers. O. E. Voigt. 2,515,915, July 18.
Mold and stool, Ingot. G. A. Dornin, Jr. 2,514,850, July 11.
Mold apparatus, Centrifugal. E. R. Olsen, R. F. Flora, and C. J. Lonnee. 2,513,101, June 27.
Mold base. G. H. Beck and J. Z. Foris. 2,531,965, Nov. 28.
Mold casting unit, Liquid cooled nonferrous. C. R. Shook and P. B. Neisser. 2,521,753, Sept. 12.
Mold charging apparatus. L. F. Goodrich. 2,528,509, Nov. 7.
Mold composition. B. W. Nies and E. W. Duffy. 2,494,403, Jan. 10.
Mold composition, Refractory. B. M. Weston. 2,517,815, Aug. 8.
Mold flask and sand reinforcing means. E. H. Whittaker. 2,513,904, July 4.
Mold for a plastic ring having an annulus and a motif. W. M. Lester. 2,529,091, Nov. 7.
Mold for casting metals. R. D. Ahles. 2,535,662, Dec. 26.
Mold for casting negative surface replicas. J. W. Sawyer. 2,524,737, Oct. 3.
Mold for casting revetment mat sections. D. M. Shearer. 2,499,532, Mar. 7.
Mold for casting storage battery straps. C. D. Galloway. 2,496,991, Feb. 7.
Mold for cementitious material. W. E. Anderson. 2,522,593, Sept. 19.
Mold for forming all plastic shoes. J. J. Booth. 2,499,565, Mar. 7.
Mold for forming cork insulation, Variable. V. W. Yost. 2,528,808, Nov. 7.
Mold for foundation piers. G. W. McDearmon. 2,514,886, July 11.
Mold for furnaces. J. W. Knowlton and G. H. Fetterley. 2,522,046, Sept. 12.
Mold for making hollow concrete blocks. E. P. Wittke. 2,532,049, Nov. 28.
Mold for making integral plastic frames and lenses. W. C. Ehlert and F. J. Schneider, Jr. 2,516,373, July 25.
Mold for plastic materials, Injection. B. S. Thomas. 2,524.858, Oct. 10.
Mold for pottery fabricating machines. J. A. Bower. 2,526,993, Oct. 24.
Mold for producing interlocked slider bodies and pull for slide fasteners. O. G. Scheuermann and P. Natzler. 2,509,278, May 30.
Mold for single tube tires and the like, Multiple cavity. J. A. Karns. 2,520,550, Aug. 29.
Mold for slide fastener sliders. P. Natzler and O. G. Scheuermann. 2,495,539, Jan. 24.
Mold for slide fasteners. R. Low. 2,497,951, Feb. 21.
Mold for tire casings, Recap. D. M. MacMillan. 2,509,830, May 30.
Mold forming apparatus. L. L. Johnston. 2,499,387, Mar. 7.
Mold gating system. C. G. Jancura. 2,521,520, Sept. 5.
Mold-handling device. J. G. Schlichter and K. Becker. 2,514,190, July 4.
Mold having an inside curing rim, Tire retreading. J. C. Heintz. 2,513,482, July 4.
Mold having interlocking segments, Vulcanizing. A. L. Wallace. 2,533.335, Dec. 12.
Mold operating device. C. F. Wilberschied. 2,526,918, Oct. 24.
Mold practice, Foundry. W. E. Rehklau. 2,510,417, June 6.
Mold with sprue severing means, Injection. E. M. Patterson and F. R. McAloon. 2,494,777, Jan. 17.
Mold with tungsten carbide insert. J. S. Horvath. 2,495,064, Jan. 17.
Molded article. L. Daly. 2,532,442, Dec. 5.
Molded articles, Manufacture of. T. Holzer. 2,534,908, Dec. 19.
Molded luggage handle. S. A. Wolfson. 2,517,369, Aug. 1.
Molded objects. H. E. Shearer and A. R. Martin. 2,535,373, Dec. 26.
Molded product. I. E. Veitch. 2,517,261, Aug. 1.
Molded pulp cushion pad. W. J. De Reamer. 2,505,886, May 2.
Molded shoulder pad. J. L. Kleinrock. 2,509,645, May 30.
Molded surface ornamentation. N. Hyman. 2,529,945, Nov. 14.
Molder, Counter. J. H. Scharffenberg. 2,499,783, Mar. 7.
Molder, Personalized ice cube. E. F. Eaton. 2,514,942, July 11
Molding. R. Minuto. 2,497,009. Feb. 7.
Molding. I. E. Muskat. 2,495,640, Jan. 24.
Molding and cutting machinery, Dough. J. F. Naylor. 2,525,711, Oct. 10.
Molding and decorating material. E. C. V. Oldofredi. 2,510,999, June 13.
Molding apparatus. F. H. Benge. 2,521.625. Sept. 5.
Molding apparatus. H. F. Jurgeleit. 2,526,877, Oct. 24.
Molding apparatus. R. Lewon and G. P. Lechich. 2,517,001, Aug. 1.
Molding apparatus. J. E. Lodge. 2,513,808, July 4.
Molding apparatus. W. R. Mathis. 2,526,381, Oct. 17.
Molding apparatus. W. F. Robb. 2,511.079, June 13.
Molding apparatus. W. H. Small. 2,526,588, Oct. 17.
Molding apparatus, Building block. J. F. Moran. 2,533,603, Dec. 12.
Molding apparatus, Frozen confection. L. D. Overland. 2,500,006. Mar. 7.
Molding apparatus, Injection. R. Feitl. 2,529,146, Nov. 7.
Molding apparatus, Injection. F. K. Goldhard. 2,505,540, Apr. 25.
Molding apparatus, Plastic. H. A. Kelly, Sr. 2,530,245, Nov. 14.
Molding apparatus, Revetment. A. B. Pickett. 2,507,542, May 16.
Molding articles, Method and apparatus for. T. K. Cox. 2,501,863. Mar. 28.
Molding cellular articles. H. Ford and R. A. Boyer. 2,519,036, Aug. 15.
Molding clip. D. H. Waara. 2,521,317, Sept. 5.
Molding composition and battery box, Acid resistant. E. R. Dillehay. 2,501,995, Mar. 28.
Molding composition, Thermosetting urea-formaldehyde. J. K. Simons. 2,510,762, June 6.
Molding composition wherein the binder contains polyvinyl acetal, polyvinyl acetate, and vinsol. E. M. Sadowski and W. P. Miller. 2,508,893, May 23.
Molding compositions. Curing cement-type cold. R. W. Staley. 2,496,895, Feb. 7.
Molding compositions, Plastics. W. P. Miller and S. D. Ransburg. 2,517,014, Aug. 1.
Molding compositions, Plastics. E. M. Sadowski. 2,515,801, July 18.
Molding concrete building units. E. J. Rappoll. 2,531,990, Nov. 28.
Molding concrete pipes. K. E. James. 2,502,789, Apr. 4.
Molding concrete revetment mat units. D. M. Shearer. 2,505,152, Apr. 25.
Molding concrete structures by means of collapsible tubular forms. M. O'Flaherty. 2,505,426, Apr. 25.
Molding device. M. T. David. 2,506.071. May 2.
Molding device. H. H. Holly. 2,530,061, Nov. 14.
Molding device, Injection. R. H. Hagen. 2,514,390, July 11.
Molding device, Patty. H. H. Holly. 2,530,062, Nov. 14.
Molding, Fluid pressure. T. L. Johnson. 2,531,218, Nov. 21.
Molding for vehicle bodies. W. H. Bishop. 2,531,967, Nov. 28.
Molding hollow articles from refractory materials under heat and pressure. G. R. Watson. 2,535,180. Dec. 26.
Molding hollow concrete blocks. M. V. Cuypers. 2,498,513, Feb. 21.
Molding in their own packing of fusible or thermoplastic products, The. J. E. Brandenberger. 2,505,603, Apr. 25.
Molding lightweight concrete panels. H. B. Hayes. 2,522,116, Sept. 12.
Molding machine. L. B. Green. 2,514,486, July 11.
Molding machine. C. A. Nichols, M. E. Todd, W. A. Fletcher, and C. J. Keller. 2,531,524, Nov. 28.
Molding machine. A. Scott and J. B. Amstutz. 2,496,604, Feb. 7.
Molding machine and method, Injection. F. W. Blanchard and A. C. Borkenhagen. 2,518,594, Aug. 15.
Molding machine and process, Block. M. Clark and F. C. Priestly. 2,502,075. Mar. 28.
Molding machine, Block. T. T. Annas. 2,529,066, Nov. 7.

Molding machine, Centrifugal concrete. H. A. Wiesner. 2,501,427, Mar. 21.
Molding machine, Concrete block. J. W. Briscoe. 2,515,491, July 18.
Molding machine, Concrete block. J. B. White. 2,528,931, Nov. 7.
Molding machine, Core. J. F. Maine. 2,502,467, Apr. 4.
Molding machine for ceramic ware. G. W. Merritt. 2,500,371, Mar. 14.
Molding machine for manufacturing building blocks. J. O. Spriggs and F. Harris. 2,494,212, Jan. 10.
Molding machine, Glass. C. F. M. Hayes. 2,507,441, May 9.
Molding machine, Impact. H. W. Dietert and R. E. Steinmueller. 2,534,421, Dec. 19.
Molding machine, Injection. R. W. Dinzl. 2,493,805, Jan. 10.
Molding machine, Injection. F. K. Goldhard. 2,498,264, Feb. 21.
Molding machine, Injection. C. E. Maynard. 2,514,884, July 11.
Molding machine, Jolt stripper. L. C. Young. 2,508,440, May 23.
Molding machine, Patty. B. Lilien. 2,528,234, Oct. 31.
Molding machine, Plastic. G. S. Bohannon. 2,501,595, Mar. 21.
Molding machine, Plastic. C. A. Nichols, R. B. Bower, J. R. Edwards, W. A. Fletcher, H. W. McCoy, B. S. Sample, and G. L. Weiser. 2,523,137, Sept. 19.
Molding magnesite products. P. S. Denning. 2,517,090, Aug. 1.
Molding magnetic powder. S. Haskew. 2,503,947, Apr. 11.
Molding materials and producing same. A. Amigo. 2,519,870, Aug. 22.
Molding method. O. H. Smith. 2,525,965, Oct. 17.
Molding, Method and apparatus for. H. M. Purcell. 2,534,988, Dec. 19.
Molding objects of sponge rubber and the like. W. L. Cook. 2,530,289, Nov. 14.
Molding of plastics. J. Johnson. 2,532,501, Dec. 5.
Molding plastic material, Low-pressure. L. A. Werner. 2,511,421, June 13.
Molding polyamides and similar thermoplastic materials, Method and apparatus for. L. L. Stott. 2,505,807, May 2.
Molding porous articles. J. E. Feldman. 2,525,880, Oct. 17.
Molding powder consisting essentially of starch and an aminotriazine-formaldehyde resin, Preparation of. D. W. Hansen. 2,502,520, Apr. 4.
Molding press. B. D. Ashbaugh. 2,526,797, Oct. 24.
Molding process and means. G. C. Luebkeman. 2,517,902, Aug 8.
Molding process, Continuous wax. R. G. Atkinson. 2,532,280, Dec. 5.
Molding process, Thermo-injecting. K. W. Hall. 2,501,329, Mar. 21.
Molding reflector devices. J. C. Haggart, Jr. 2,498,489, Feb. 21.
Molding, Self-locking price tag. J. R. and R. J. Slavsky. 2,507,937, May 16.
Molding thermoplastic material by the injection molding method. C. E. Maynard. 2,535,436, Dec. 26.
Molding tubing, Method and apparatus for. G. W. Jargstorff and C. A. Joslin. 2,519,375, Aug. 22.
Molding unit, Injection. H. F. Jurgeleit. 2,533,468, Dec. 12.
Molds and processes and materials for producing the same, Metal-casting. M. C. Dailey and J. R. Parsons. 2,529,835, Nov. 14.
Molds, Casting. R. E. Birch. 2,508,006, May 16.
Molds for chains, Making. C. E. Sennholtz and C. E. Anderson. 2,505,507, Apr. 25.
Molds, Making. G. A. Rubissow. 2,517,802, Aug. 8.
Molds, Making multipiece. C. L. Milton, Jr. 2,495,276, Jan. 24.
Molds, Making refractory. F. O. Johnson. 2,533,585, Dec. 12.
Molds, Making wax negative. C. Nicholson. 2,515,017, July 11.
Molds, Producing investment. C. P. Mann. 2,496,170, Jan. 31.

Mole trap. C. E. Troutman. 2,525,383, Oct. 10.
Molecular weight elastic hydrocarbon polymers in the presence of lead tetraethyl, Production of high. W. F. Faragher. 2,502,444, Apr. 4.
Molten metal temperature indicator. T. F. Lally. 2,523,471, Sept. 26.
Molten slag granulator apparatus. A. E. Meinzer. 2,499,600, Mar. 7.
Momentary contact impulse switch. F. G. Krize, Jr. 2,507,637, May 16.
Monazo dye. B. G. Carson. 2,535,121, Dec. 26.
Monitor for comparing designations received and transmitted by control circuits in dial switching systems, Automatic. J. W. Dehn and O. H. Williford. 2,508,053, May 16.
Monitoring circuit. J. F. Bachmann. 2,496,259, Feb. 7.
Monitoring system for magnetic recording. D. L. Blaney. 2,530,562, Nov. 21.
Monitoring system for sound recording. L. T. Sachtleben. 2,493,089, Jan. 3.

Monitoring system of comparator type. C. J. Merchant. 2,493,543, Jan. 3.
Mono- and di-glycerides of fatty acids, Producing. G. Barsky. 2,509,413, May 30.
Monoalkamine esters of pyrrole-3-carboxylic acids. J. P. Sickels and T. F. Scholz. 2,500,713, Mar. 14.
Mono alkyl sulfamides. H. A. Walter. 2,527,861, Oct. 31.
Monoaminodihydroxytoluene, Preparation of symmetrical. J. Krueger, R. Lenhart, R. L. Hayes, McHenry, and R. M. Guthier. 2,517,496, Aug. 1.
Monoazo compounds containing a 4-hydroxyquinolone–2 group. J. B. Dickey. 2,529,924, Nov. 14.
Monoazo-dyestuffs. F. Felix and W. Mueller. 2,505,533, Apr. 25.
Monoazo-dyestuffs. W. Widmer, A. Heckendorn, and E. Mannhart. 2,534,646, Dec. 19.
Monoazo-dyestuffs. W. Widmer and E. Mannhart. 2,512,845, June 27.
Monoazodyestuffs of the pyrazolone series free from sulfonic acid groups and making same. O. Schmid and M. Buchs. 2,518,078, Aug. 8.
Monocalcium phosphate containing a high P_2O_5 content, Producing. W. L. Robinson. 2,514,973, July 11.
Monochloracetic acid, Production of. A. R. Hammond, J. A. John, and R. Page. 2,503,334, Apr. 11.
Monochromator. E. E. Bray. 2,534,657, Dec. 19.
Monocyclic aminobenzene compounds containing fluorine. J. B. Dickey. 2,516,107, July 25.
Monoethyldibenzofuran, Preparing. R. K. Abbott, Jr. 2,500,732, Mar. 14.
Monogram attachment, Apparel. M. Eagle. 2,530,453, Nov. 21.
Monohaloalkanes, Production of. L. Schmerling. 2,533,053, Dec. 5.
Mono-halogen-substituted-thiophanthraquinone. L. F. Fieser and H. E. Schroeder. 2,513,790, July 4.
Mono-isopropyl quinoline, Producing. S. F. Orochena and W. M. Kutz. 2,510,134, June 6.
Monomeric olefins, Producing. E. V. Murphree. 2,514,332, July 4.
Monomethylol dicyandiamide, Preparing. J. Studeny. 2,515,143, July 11.
Mononitrofuran compounds, Preparing. M. Witte and C. J. Lind. 2,502,114, Mar. 28.
Monopyridinium derivatives of esterified oxyalkylated diphenylol methanes. M. De Groote and B. Keiser. 2,517,091, Aug. 1.
Monopyridinium derivatives of esters of oxyalkylated diphenylol methanes. M. De Groote and B. Keiser. 2,517,092, Aug. 1.
Monorail wheel. P. S. Combs. 2,532,661, Dec. 5.
Mono-salicylate of 2 ethyl hexandiol. F. J. Donnelly. 2,523,867, Sept. 26.
Monosodium salt of gold thioitamalic acid. E. E. Moore and R. J. Ohman. 2,509,200, May 30.
Monosulfides, Manufacture of organic. W. A. Robshaw. 2,499,975, Mar. 7.
Monument setter, Surveyor's. R. J. Cooke. 2,535,722, Dec. 26.
Mooring device. W. L. Schuelke. 2,526,162, Oct. 17.
Mop and wringer head, Combined. J. M. Johnson. 2,495,846, Jan. 31.
Mop, Back presser. N. B. Greenleaf and L. C. Webster. 2,515,403, July 18.
Mop cloth having aperture means to engage a mop wringer. J. D. Harget. 2,524,192, Oct. 3.
Mop having a pivoted finger mop holding means, Flexible extension. H. H. Levin. 2,515,829, July 18.
Mop having a wringing mechanism mounted thereon, Floor. L. H. Brown. 2,521,445, Sept. 5.
Mop making machine. P. Domenk. 2,500,667, Mar. 14.
Mop shaking receptacle. B. Blumenson. 2,510,860, June 6.
Mop, Sponge. W. E. Kautenberg. 2,525,605, Oct. 10.
Mop swab and making it. W. Podolak. 2,522,691, Sept. 19.
Morpholine derivatives in viscose spinning. K. R. Brown. 2,495,833, Jan. 31.
Morpholine mahogany sulfonates as a rust inhibitor for petroleum oils. F. M. Watkins. 2,533,300, Dec. 12.
Mortar and mount. G. B. Davis, Jr., and E. C. Roberts. 2,518,452, Aug. 15.
Mortar applicator. W. C. Kloman, Jr. 2,531,133, Nov. 21.
Mortar mixer. J. G. Polak. 2,527,761, Oct. 31.
Mosaic and manufacturing same, Two-sided. M. P. Wilder and A. J. Stevens. 2,495,042, Jan. 17.
Motion converter. I. F. Williams. 2,517,818, Aug. 8.
Motion converting means. W. P. Glaser. 2,515,342, July 18.
Motion for looms, Harness. C. D. Brown and E. C. Nichols. 2,501,157, Mar. 21.
Motion for looms, Variable beat-up. M. D. Haney. 2,514,603, July 11.
Motion-picture apparatus. O. J. Blanchet. 2,493,612, Jan. 3.
Motion-picture apparatus and means coacting therewith for providing film strip with reference indica. J. E. Lilienfeld. 2,521,734, Sept. 12.
Motion-picture film with balloon legends thereon, Making a. S. Siesinger. 2,524,276, Oct. 3.

Motion-picture projection apparatus, Sound. J. S. Chemel. 2,521,150, Sept. 5.
Motion-picture projection apparatus with adjustable mirror means. L. T. Sachtleben. 2,505,505, Apr. 25.
Motion pictures, Producing. W. H. O'Brien. 2,501,958, Mar. 28.
Motion-transmitting mechanism, Reversible. G. E. Sorenson. 2,521,759, Sept. 12.
Motor: *See*—
Adjustable pitch polyphase induction motor.
Airplane motor.
Alternating-current commutator motor.
Compensated electric motor.
Constant speed motor.
Current tow motor.
Direct-current motor.
Dry shaver motor.
Eddy current preloaded controllable speed motor.
Electric motor.
Electrically heated bellows motor.
Explosion-proof motor.
Fluid pressure motor.
Follow-up and pressure fluid type servo motor.
Gathering-reel motor.
Hydropneumatic motor.
Induction motor.
Jet propulsion outboard motor.
Magnetic motor.
Multiple rocket motor.
Multiple-speed electric motor.
Nutation type motor.
Oscillatory electric motor.
Outboard motor.
Pressure fluid motor.
Quick reversing electric motor.
Reversible air-operated motor.
Rotary fluid motor.
Rotary jet propelled motor.
Shaded pole motor.
Single phase electric motor.
Small synchronous electric motor.
Spring motor.
Suction operated windshield wiper motor.
Synchronous motor.
Totally enclosed motor.
Two-cylinder rotary motor.
Van type hydraulic motor.
Variable-speed alternating current motor.
Vertical shaft motor.
Vibrator type motor.
Water actuated motor.
Motor. J. R. Allsup, Sr. 2,508,356, May 23.
Motor and components thereof, Fractional horsepower. R. F. Spurck. 2,505,691, Apr. 25.
Motor and control valve means therefor, Pressure fluid differential type. W. E. Renick. 2,502,800, Apr. 4.
Motor and fabricating same, Electric. A. W. Haydon. 2,505,829, May 2.
Motor and generator, Electric. J. E. G. and J. V. Eurich. 2,532,700, Dec. 5.
Motor and lubricating means therefor, Fluid. R. Stevenson and A. W. Keema. 2,524,850, Oct. 10.
Motor and manufacture, Induction. T. R. Clark. 2,500,802, Mar. 14.
Motor assembly, Food mixer electric. S. Misic. 2,499,928, Mar. 7.
Motor assembly with magnetic brake. J. E. Chapman. 2,514,693, July 11.
Motor attachment for bicycles, Trailer-type. V. M. Arman. 2,517,162, Aug. 1.
Motor attachment for lawn mowers. L. H. Yocum. 2,522,331, Sept. 12.
Motorboat, Collapsible outboard. G. M. Dittrich. 2,504,256, Apr. 18.
Motorboat equipment. E. E. Milner. 2,498,113, Feb. 21.
Motor brush mounting. F. R. Merriam, Jr. 2,504,564, Apr. 18.
Motor bus body, Structurally reinforced. L. H. Baghuis. 2,517,272, Aug. 1.
Motorcar electromagnetic clutch. G. Levesque du Rostu. 2,512,065, June 20.
Motor construction, Electric. S. A. Brown. 2,511,326, June 13.
Motor construction, Sanitary. T. R. Wieseman, R. I. Robinson, and F. J. Rathbun. 2,500,971, Mar. 21.
Motor control. H. Harris, Jr. 2,516,868, Aug. 1.
Motor control, Alternating current. A. W. Jacobson. 2,500,314, Mar. 14.
Motor control and piston position indicating device. P. E. Tennefos. 2,520,071, Aug. 22.
Motor control apparatus. M. R. Smith. 2,527,893, Oct. 31.
Motor control apparatus. B. Ulinski. 2,510,028, May 30.
Motor control apparatus, Electric. R. F. Wild. 2,506,531, May 2.
Motor control apparatus, Recalibrating. C. A. Hartung. 2,520,462, Aug. 29.
Motor control apparatus with feedback antihunting means, Electric. H. H. Kuhlemeier. 2,508,640, May 23.
Motor control apparatus with means for reducing motor speed to prevent coasting, Electrical. W. J. Field. 2,508,639, May 23.
Motor-control circuit. C. E. Germanton. 2,493,064, Jan. 3.
Motor control circuit. R. C. Goertz. 2,530,387, Nov. 21.
Motor control circuit. W. Koenig, Jr. 2,519,667, Aug. 22.
Motor control circuit. E. R. Morton. 2,495,382, Jan. 24.
Motor control circuit. M. G. Pawley. 2,516,144, July 25.
Motor control device, Electric. C. R. Schafer. 2,501,583, Mar. 21.
Motor control, Direct current. J. E. Jones. 2,512,944, June 27.
Motor control, Electric. S. Noodleman. 2,514,896, July 11.
Motor control for refrigeration systems. G. E. Radcliffe. 2,519,700, Aug. 22.
Motor control, Hydraulic. W. R. Tucker. 2,526,835, Oct. 24.
Motor control, Induction. M. B. Sawyer, Sr. and C. K. Reigel. 2,524,361, Oct. 3.
Motor control, Outboard. W. P. Hawkins. 2,526,946, Oct. 24.
Motor control, Photoelectric. S. V. Hart. 2,534,759, Dec. 19.
Motor control system. W. P. Albert. 2,504,613, Apr. 18.
Motor control system. E. F. Allbert and M. H. Fisher. 2,519,213, Aug. 15.
Motor control system. E. F. Allbert and A. W. Kimball. 2,523,085, Sept. 19.
Motor control system. W. G. Cook. 2,515,987, July 18.
Motor control system. W. J. Field. 2,529,490, Nov. 14.
Motor control system. A. F. Kenyon. 2,523,120, Sept. 19.
Motor control system. A. O. Lund and C. A. Dana. 2,508,179, May 16.
Motor control system. H. J. Rathbun. 2,515,612, July 18.
Motor control system. N. H. Shaw. 2,498,303, Feb. 21.
Motor control system, Alternating current. R. C. Jones. 2,508,169, May 16.
Motor control system, Electric. G. A. Brooke, Jr. and C. C. Chambers. 2,503,091, Apr. 4.
Motor control system, Electric. S. W. Herwald. 2,508,162, May 16.
Motor control system, Electric. F. W. Meredith. 2,512,665, June 27.
Motor control system, Electric. P. A. Noxon. 2,514,555, July 11
Motor control system, Electric. H. A. Siltamaki. 2,534,801, Dec. 19.
Motor control system, Electric. R. A. Stremel. 2,507,870, May 16.
Motor control system, Electronic. R. C. Cunningham. 2,525,479, Oct. 10.
Motor control system, Electronic. W. Few. 2,517,101, Aug. 1.
Motor control system, Electronic. W. C. Robinette. 2,505,258, Apr. 25.
Motor control system employing thyratron tubes. B. A. Knauth and P. H. Chin. 2,512,946, June 27.
Motor control system for recording instruments. T. A. Cohen. 2,527,797, Oct. 31.
Motor control system, Generator fed. N. H. Shaw and J. H. Bennett. 2,516,599, July 25.
Motor control system, Induction. W. Orvedahl. 2,527,092, Oct. 24.
Motor control system, Load balancing. E. F. Allbert. 2,530,930, Nov. 31.
Motor control system, Random reversing. J. R. Walker and R. H. Cook. 2,502,188, Mar. 28.
Motor control system, Reset. C. H. Smoot. 2,525,967, Oct. 17.
Motor control system, Variable voltage. W. H. Esselman. 2,528,126, Oct. 31.
Motor control system with dynamic braking. L. G. Riley and G. R. Purifoy. 2,523,143, Sept. 19.
Motor controller switch. L. O. French. 2,503,581, Apr. 11.
Motor controlling apparatus. W. J. Field. Re. 23,275, Oct. 3.
Motorcycle and side frame. H. S. Ritzel. 2,514,900, July 11.
Motor cycle frame. W. F. Lechmere. 2,535,540, Dec. 26.
Motorcycle hand support. B. A. Disney and H. S. Plummer. 2,519,027, Aug. 15.
Motorcycle saddle carrier. C. La Rochelle. 2,527,433, Oct. 24.
Motor demonstrator, Synchronous. H. M. Tucker. 2,515,278, July 18.
Motor disconnect for suction cleaners. Handle actuated delayed. W. D. Sellers. 2,534,479, Dec. 19.
Motor drive apparatus, Antihunting electronic. L. Stanton. 2,528,017, Oct. 31.
Motor drive for medical syringes. G. B. Glass. 2,498,672, Feb. 28.
Motor drive mechanism, Variable speed. M. E. and F. L. Toby. 2,503,425, Apr. 11.
Motor-driven hand tool. M. Oschwald. 2,506,736, May 9.
Motor-driven vehicle wheel. F. L. Gladish. 2,506,146, May 2.
Motor energization circuit. I. A. Greenwood, Jr., and E. B. Hales. 2,519,043, Aug. 15.
Motor equipment, Alternating-current electric. E. S. Friedlander. 2,503,718, Apr. 11.
Motor follow-up control system, Electric. C. J. Hirsch. 2,526,233, Oct. 17.
Motor for deep well pumps, Fluid. G. A. Cherry and W. D. Hankey. 2,527,915, Oct. 31.
Motor for furnace regulators, Electric. G. W. Crise. 2,502,830, Apr. 4.
Motor for planetary gear brakes, Multiple piston hydraulic. F. R. McFarland. 2,513,192, June 27.
Motor for valves, Diaphragm. B. R. Jones. 2,496,215, Jan. 31.
Motor for vehicle brakes, Fluid pressure actuated. H. L. Frick. 2,497,815, Feb. 14.
Motor for visual indicator units, Magnetic. E. W. Johnson. 2,499,316, Feb. 28.
Motor frame. J. L. Moody. 2,530,532, Nov. 21.

Motor frame construction, Electric. W. J. Bauroth. 2,498,389, Feb. 21.
Motor generator. G. M. Myrmirides. 2,511,412, June 13.
Motor-generator construction. J. Bertschi. 2,520,828, Aug. 29.
Motor having auxiliary electric motor for starting and trolling, Internal-combustion outboard. W. E. Hann. 2,504,833, Apr. 18.
Motor heater. P. Gratsinger. 2,505,286, Apr. 25.
Motor housing and shock absorbing mounting means therefor. R. M. Heintz. 2,508,641, May 23.
Motor lock. E. L. Parker. 2,500,375, Mar. 14.
Motor mechanism, Fluid. S. I. MacDuff. 2,531,695, Nov. 28.
Motor mounting. A. H. Gerhardt. 2,525,173, Oct. 10.
Motor of rotary abutment type, Reversing fluid. F. Berry. 2,495,088, Jan. 17.
Motor of the radially sliding abutment type, Hydraulic rotary. A. Gabriel. 2,507,151, May 9.
Motor of the sliding abutment type, Expansible chamber rotary. J. T. Barrett. 2,515,288, July 18.
Motor oil cooler. H. Bonanni. 2,502,554. Apr. 4.
Motor operable by monopropellant and operating it, Jet. M. J. Zucrow. 2,500,334, Mar. 14.
Motor or pump, Rotary fluid. A. Z. Richards, Jr. 2,497,373, Feb. 14.
Motor position control means. R. D. McDill. 2,498,565, Feb. 21.
Motor pump unit. A. R. Pezzillo, Jr. 2,535,695, Dec. 26.
Motor relief means construction, Rocket. C. C. Lauritsen and O. C. Wilson. 2,515,049, July 11.
Motor reversing arrangement. E. F. Shell. 2,525,462, Oct. 10.
Motor reversing means. F. J. Adamek. 2,511,315, June 13.
Motor reversing system. J. G. Beard. 2,504,294, Apr. 18.
Motor shaft coupling. B. I. Wood. 2,512,407, June 20.
Motor speed and circuit governor. S. P. Morse. 2,506,312, May 2.
Motor speed control. C. Mott and A. F. Chouinard. 2,493,079, Jan. 3.
Motor speed control system. E. H. Dinger and R. R. Thatcher. 2,507,198, May 9.
Motor speed control system. L. A. Kille. 2,533,473, Dec. 12.
Motor speed control system. G. E. King, R. W. Moore, and W. R. Harding. 2,508,172, May 16.
Motor speed regulator. G. H. Rendel. 2,517,353, Aug. 1.
Motor starting control, Synchronous. E. M. Daugert. 2,504,812, Apr. 18.
Motor starting, Single-phase. O. Lindfors. 2,502,099, Mar. 28.
Motor starting system, Electric. T. E. Larkin. 2,512,342, June 20.
Motor starting system, Plural series. J. W. Woolf. 2,530,278, Nov. 14.
Motor stop-start arrangement for telegraph receivers. T. G. Poulter. 2,495,131, Jan. 17.
Motor stopping control, Electric. R. H. Clark. 2,495,507, Jan. 24.
Motor support. J. B. Koch. 2,498,126, Feb. 21.
Motor suspension. E. A. Binney. 2,508,139, May 16.
Motor system, Cathode-ray ratio instrument. P. Glass. 2,507,781, May 16.
Motor system, Electric. M. J. Rose. 2,526,690, Oct. 24.
Motor system, Electrically controlled polyphase. M. F. Jones. 2,508,168, May 16.
Motor system, Reciprocating. H. C. Goodrich, Jr. 2,511,580, June 13.
Motor system, Remote radio controlled. J. Anthes. 2,494,533, Jan. 17.
Motor system, Variable speed induction. J. W. Forrester and R. R. Everett. 2,516,308, July 25.
Motor testing apparatus. R. Olinger. 2,509,743, May 30.
Motor tool. H. W. Schumann. 2,532,823, Dec. 5.
Motor tuning stopping circuit. M. J. Pifer. 2,499,875, Mar. 7.
Motor tuning system for receiving systems. N. P. Case. 2,529,677, Nov. 14.
Motor unit for driving a shaft at variable speed. S. Möhl. 2,515,565, July 18.
Motor unit, Outboard. G. W. Martin. 2,507,034, May 9.
Motor utilized as suction storage tank for windshield wipers, Secondary accessory. J. R. Oishei. 2,533,613, Dec. 12.
Motor vehicle. G. E. Grimm. 2,495,520, Jan. 24.
Motor vehicle antiwear and antirattle joint. J. E. Lucas. 2,510,406, June 6.
Motor vehicle body with independent wheel suspension. G. Chausson. 2,530,226, Nov. 14.
Motor vehicle construction. J. Rose. 2,507,421, May 9.
Motor vehicle emergency relay. G. L. Riggins. 2,528,245, Oct. 31.
Motor vehicle spring suspension. G. R. Brent. 2,527,524, Oct. 31.
Motor vehicle stabilizer. C. C. Utz. 2,517,611, Aug. 8.
Motor vehicle tire pressure indicator. L. E. and D. R. Dobson. 2,526,124, Oct. 17.
Motor ventilation. R. F. Woll and H. T. Walton. 2,508,207, May 16.
Motor with automatic valve actuation, Fluid. L. Browning. 2,504,298, Apr. 18.
Motor with clutch-brake device, Electric. E. P. Turner, R. Happe, and R. D. Ingalls. 2,510,917, June 6.
Motor with cooling system, Jet. M. J. Zucrow. 2,508,590, May 23.
Motor with fluid cooling means, Reaction. M. J. Zucrow. 2,520,751, Aug. 29.
Motor with means for heating the gas thereof exclusively in the heater element thereof, Five element hot-gas. H. Rinia, H. de Brey, F. L. van Weenen, Y. Boers, G. L. Sypkens, and W. J. van Heeckeren. 2,535,519, Dec. 26.
Motor with oscillating flapper valve control, Intermittent-firing thermal air jet. L. B. Edelman. 2,526,645, Oct. 24.
Motor with phase changer, Hot gas. F. L. van Weenen and W. H. Stigter. 2,508,315, May 16.
Motor with rotary reversing valve, Fluid operated reciprocating. L. J. Carey. 2,521,566, Sept. 5.
Motor with swinging cylinders and pistons, Radial fluid. L. Widmer. 2,507,361. May 9.
Motor with thyratron control, Shaded pole. J. W. Gray. 2,529,469, Nov. 7.
Motorized torch holder. J. H. W. Begerow. 2,519,871, Aug. 22.
Motors, Making electric. J. L. Moody. 2,530,533, Nov. 21.
Mound, Campfire wood. D. M. Marino. 2,508,959, May 23.
Mount, Aircraft gun. S. D. Van Norman. 2,511,183, June 13.
Mount and grader, Box. A. L. Mix. 2,512,805, June 27.
Mount and making same, Transparency. E. G. Seary. 2,495,142, Jan. 17.
Mount and steering mechanism, Outboard motor. E. W. and H. E. Rickard. 2,528,607, Nov. 7.
Mount, Antifriction. R. P. Shea. 2,523,396, Sept. 26.
Mount assembly for sun lamps. M. E. Macksoud. 2,524,455, Oct. 3.
Mount, Brush. E. L. Bennett. 2,507,881, May 16.
Mount, Card. C. N. Cross. 2,517,535, Aug. 8.
Mount, Combined shock and vibration. R. E. Schwartz. 2,520,442, Aug. 29.
Mount, Detachable telescope. J. C. Robertson. 2,528,080, Oct. 31.
Mount, Engine. G. Von Migula. 2,524,413, Oct. 3.
Mount, Film. B. C. Roehrl. 2,527,765, Oct. 31.
Mount, Fishing rod reel. W. L. Rives. 2,503,510. Apr. 11.
Mount for camera diaphragms, Adjustable. E. Cronholm. 2,527,243, Oct. 24.
Mount for camera lenses. A. P. Svensson. 2,526,433, Oct. 17.
Mount for collapsible antennas, Shock. A. A. Walsh. 2,498,350, Feb. 21.
Mount for electric regulators, Shock. W. H. Stracener and P. F. Bechberger. 2,518,198, Aug. 8.
Mount for electron discharge devices. K. H. Simpson. 2,493,555, Jan. 3.
Mount for fixed length automobile antenna. M. R. Friedberg. 2,495,517, Jan. 24.
Mount for photographic lens accessories, Adjustable. L. J. Sherry. 2,523,067, Sept. 19.
Mount for rifles, Telescope. W. Gagnier. 2,526,126, Oct. 17.
Mount for rotating parts. W. A. Scott. 2,534,738, Dec. 19.
Mount for sound projector lens, Adjustable supporting and focusing. H. J. Koeber, Jr. 2,498,555, Feb. 21.
Mount for various instruments, such as measuring apparatus. C. H. H. Rodanet. 2,518,068, Aug. 8.
Mount, Gun camera. C. S. Robinson. 2,500,379, Mar. 14.
Mount, Gun sight. E. L. Foster. 2,493,865. Jan. 10.
Mount, Gyro-stabilized aerial camera. C. Aschenbrenner, U. K. Heidelauf, H. R. Mestwerdt, and B. K. Wernicke. 2,523,267, Sept. 26.
Mount, Hinged telescope sight. R. E. Allen. 2,527,289, Oct. 24.
Mount, Lamp shade. C. Moser. 2,531,523, Nov. 28.
Mount, Meter. H. Jensen. 2,531,514, Nov. 28.
Mount, Periscope. E. O. Kollmorgen. 2,522,280, Sept. 12.
Mount, Picture slide. G. K. Lewis. 2,498,738, Feb. 28.
Mount, Pilot burner. K. A. Scharbau and A. Stadler. 2,504,592, Apr. 18.
Mount, Pocketed Photographic. J. S. Abrams. 2,496,141, Jan. 31.
Mount, Quick detachable starter. R. E. Sears. 2,506,239, May 2.
Mount, Resilient. T. W. Stephenson and F. E. Beems. 2,514,811, July 11.
Mount, Reticle. M. N. Fairbank. 2,500,405, Mar. 14.
Mount, Rotating camera. A. G. Nash. 2,516,068, July 18.
Mount, Screen. R. A. Phillips. 2,500,703, Mar. 14.
Mount, Shock absorbing trailer. F. L. Winchester. 2,498,780, Feb. 28.
Mount, Spray gun swivel. H. C. Stockdale. 2,511,021, June 13.
Mount, Stamp. H. Brodsky. 2,508,854, May 23.
Mount structure for electric lamps. J. E. Stone. 2,497,567, Feb. 14.
Mount structure for electric lamps. J. E. Stone and J. O. Geissbuhler. 2,497,566, Feb. 14.
Mount support. E. N. Storrs. 2,524,405, Oct. 3.
Mount, Telescope. M. Leupold. 2,493,254, Jan. 3.
Mount, Telescope. E. L. Livermore. 2,510,289, June 6.
Mount, Tiltable camera. D. E. Davidson and F. J. Lilly. 2,514,313, July 4.

Mount, Transparent slide. H. C. and L. C. Kime. 2,505,250, Apr. 25.
Mount, Tube. J. E. Gall. 2,497,078, Feb. 14.
Mount, Universal. M. C. Miller, Jr. and J. B. Lovick. 2,524,172, Oct. 3.
Mount, Vibration-damping camera. A. P. Mantz. 2,506,095, May 2.
Mount, Wheel. J. D. Byrd. 2,502,309, Mar. 28.
Mounted specimen. R. S. Ringheim. 2,494,834, Jan. 17.
Mounter, Wheel. H. Kayfetz. 2,499,758, Mar. 7.
Mounting: *See*—
Accordion hand strap mounting.
Adjustable basketball hoop mounting.
Adjustable light mounting.
Aircraft wing mounting.
Angularly adjustable bracket arm mounting.
Archery arrow nock mounting.
Balanced wheel mounting.
Bathroom fixture mounting.
Bathtub mounting.
Bearing mounting.
Blade mounting.
Boiler water drum mounting.
Colter mounting.
Compensated reed mounting.
Crane boom mounting.
Crystal mounting.
Detachable telescopic sight mounting.
Detachable tone arm mounting.
Door handle mounting.
Dual wheel mounting.
Electron discharge device unit mounting.
Eraser mounting.
Fan guard mounting.
Fishline reel pole mounting.
Fish reel spool mounting.
Flexible mounting.
Fluid pressure brake mounting.
Flush circular saw mounting.
Fuel pump mounting.
Globe mounting.
Heater fan mounting.
High-speed rotor mounting.
Illuminated globe mounting.
Instrument mounting.
Ironing board leg mounting.
Jet power unit mounting.
Lamp mounting.
Lens mounting.
License plate mounting.
Motor brush mounting.
Motor mounting.
Ophthalmic mounting.
Ornamental mounting.
Pickup mounting.
Piezoelectric crystal mounting.
Propeller blade mounting.
Radiator core mounting.
Railway brake beam mounting.
Refrigeration unit vibration mounting.
Resilient chair back mounting.
Resilient mounting.
Roller mounting.
Saddle mounting.
Safety driving light mounting.
Saw blade mounting.
Self-aligning bearing mounting.
Semirimless spectacle mounting.
Sewing machine mounting.
Ship's compass mounting.
Side delivery rake mounting.
Sink mounting.
Slide door mounting.
Sliding door mounting.
Sound head mounting.
Spectacle mounting.
Spinner mounting.
Spring time mounting.
Supersonic reflector mounting.
Suspension type spectacle mounting.
Swing mounting.
Tail wheel mounting.
Tape cylinder mounting.
Telescopic sight mounting.
Textile spindle mounting.
Textile spindle slide mounting.
Tone arm mounting.
Top bar spectacle mounting.
Tube mounting.
Umbrella cover mounting.
Vehicle accessory mounting.
Vehicle wheel mounting.
Watch mounting.
Wheel mounting.
Wheeled toy axle mounting.
Window drape mounting.
Window mounting.
Wire terminal mounting.
Mounting. N. E. Lee. 2,535,080, Dec. 26.
Mounting and adjusting means for a child's crib, Drop-side. M. Siegel and S. B. Jacobs. 2,522,001, Sept. 12.
Mounting and adjustment of stator blades in grinding, crushing, and pulverizing machinery. G. and W. Clark. 2,525,650, Oct. 10.
Mounting and anti-skid device for automobiles, Combined chain. J. A. H. Castongay. 2,511,527, June 13.
Mounting and brace for ironing boards, Pivotal. A. P. Lantz. 2,498,558, Feb. 21.
Mounting and connecting device for metal-plate rectifiers. C. A. Kotterman. 2,510,588, June 6.
Mounting and controlling electric discharge devices. E. Tuck. 2,501,485, Mar. 21.
Mounting and drive, Pump. E. W. Jackoboice. 2,508,756, May 23.
Mounting and mounting assembly for adhesived articles. W. M. Scholl. 2,493,267, Jan. 3.
Mounting and moving means, Pressing head. O. H. Pearson. 2,493,997, Jan. 10.
Mounting and operating means for Venetian blinds. A. Cusick. 2,521,151, Sept. 5.
Mounting and oscillating mechanism, Spray nozzle. R. S. Leigh. 2,518,239, Aug. 8.
Mounting arrangement for circuit elements. J. Smith. 2,495,353, Jan. 24.
Mounting bracket. F. J. Balthaser. 2,492,945, Jan. 3.
Mounting column, X-ray equipment. W. L. Todd and A. H. Feibel. 2,522,147, Sept. 12.
Mounting copyholders on typewriter platforms. F. H. Bloomstran. 2,501,257, Mar. 21.
Mounting corner. N. R. Thurston. 2,493,276, Jan. 3.
Mounting corner, Photographic. G. F. Lartz. 2,534,919, Dec. 19.
Mounting device for children's high chairs, Table. G. W. Aldeen. 2,519,951, Aug. 22.
Mounting device for pump impellers. H. Hornschuch. 2,526,751, Oct. 24.
Mounting device for truss pads. T. A. Herron. 2,512,018, June 20.
Mounting device, Photograph. E. W. Spreen. 2,499,535, Mar. 7.
Mounting electron image tubes. M. B. Herscher and R. F. Bov. 2,505,736, Apr. 25.
Mounting elongated magnetostrictive elements. C. H. Kean. 2,497,172, Feb. 14.
Mounting for a variable tuning condenser on a radio apparatus, Antivibrational. F. H. Gusdorf, J. Poelma, and R. Kuperus. 2,502,717, Apr. 4.
Mounting for aerial instructions, Map. R. D. Larson. 2,500,952, Mar. 21.
Mounting for agricultural machines, Wheel and axle. G. Monsel. 2,498,173, Feb. 21.
Mounting for aircraft nose wheels, Resilient. J. E. Gerry. 2,522,032, Sept. 12.
Mounting for antifriction bearings. A. M. Lamm. 2,521,638, Sept. 5.
Mounting for bearing assembly, Shaft. M. S. Sisulak. 2,513,970, July 4.
Mounting for bevel type reversing gearing, Idler. W. P. Schmitter. 2,514,262, July 4.
Mounting for boats, Outboard motor. L. R. Daniels. 2,497,490, Feb. 14.
Mounting for boom-supported microphones, Remote control swivel. E. A. Dickinson and G. L. Pross. 2,526,604, Oct. 17.
Mounting for bracelets or other articles, Stone. F. W. Engel. 2,510,774, June 6.
Mounting for brake assemblies, Shoe. C. L. Eksergian. 2,504,668, Apr. 18.
Mounting for brake assemblies, Shoe. W. Mann. 2,504,712, Apr. 18.
Mounting for chairs, Picture. W. B. Murphy. 2,516,243, July 25.
Mounting for children's wagons or the like, Spring. R. A. Clark. 2,531,933, Nov. 28.
Mounting for coacting stationary and rotating members, Protective. G. W. Grisdale, Jr. 2,525,795, Oct. 17.
Mounting for cornices. L. W. Deans. 2,513,009, June 27.
Mounting for counter and chair use, Tray. G. P. Stanton. 2,504,897, Apr. 18.
Mounting for current carrying wires, Insulator. A. B. Supject. 2,501,921, Mar. 28.
Mounting for detachable printing bars. C. D. Ryan and E. P. Drake. 2,524,543, Oct. 3.
Mounting for dial test indicators. R. J. Maus. 2,533,949, Dec. 12.
Mounting for electrical switches, Contact. S. D. Vigren, W. O. W. Broberg, and O. K. J. Olsson. 2,515,914, July 18.
Mounting for farm implements, Steering wheel. R. R. Love. 2,523,870, Sept. 26.
Mounting for flexible capsules for operating transmissions. T. Bowen. 2,529,909, Nov. 14.
Mounting for floral decorations. W. S. Glance. 2,499,740, Mar. 7.
Mounting for fruit pitting machines, Vacuum cup. A. Besag. 2,518,274, Aug. 8.
Mounting for furnaces, Burner. W. A. Morton. 2,511,676, June 13.
Mounting for high-power electron discharge devices, Electrode. V. L. Ronci. 2,534,373, Dec. 19.
Mounting for high-speed tensile testing, Specimen. E. C. Taylor and F. Lager. 2,520,979, Sept. 5.
Mounting for high speeds, Spindle. W. F. Moore. 2,502,874, Apr. 4.
Mounting for hollow turbine blades. K. E. Fransson. 2,501,038, Mar. 21.
Mounting for implements such as can openers. H. C. Wilson. 2,510,357, June 6.
Mounting for instrument pointers and pen arms. C. A. Blakeslee, A. J. Balanda, and E. F. Dyson. 2,529,907, Nov. 14.
Mounting for lamps. P. F. Early. 2,526,070, Oct. 17.
Mounting for land vehicles and aircraft, Caster wheel. T. R. Gardiner. 2,515,704, July 18.
Mounting for load responsive capsules. L. S. Williams. 2,503,698, Apr. 11.
Mounting for loom lays, Reed beatup. C. R. Kronoff. 2,524,670, Oct. 3.
Mounting for looms, Crankshaft. W. H. Bahan. 2,499,050, Feb. 28.
Mounting for memoranda pads, Separable. L. W. Hamilton. 2,526,352, Oct. 17.
Mounting for mortise locks, Front plate. E. F. Shaffer. 2,497,189, Feb. 14.
Mounting for motor vehicles, Glare screen. L. A. Bell. 2,518,592, Aug. 15.
Mounting for observation instruments. J. W. French. 2,512,321, June 20.
Mounting for optical instruments such as telescopes, cameras and the like, Antioscillation. B. O'Brien and H. W. French, Jr. 2,518,632, Aug. 15.
Mounting for outboard motors, Safety. H. Showalter. 2,521,875 Sept. 12.

Mounting for overhead lighting fixtures. E. A. Zuley. 2,532,528, Dec. 5.
Mounting for percussion drills, Feed screw. W. G. Smith. 2,532,344, Dec. 5.
Mounting for phonographs, Resilient. D. C. Rockola. 2,520,341, Aug. 29.
Mounting for photoelectric cells. O. J. Holmes. 2,493,919, Jan. 10.
Mounting for picker sticks in looms. W. H. Bahan. 2,495,803, Jan. 31.
Mounting for platforms or trays, Screw. H. Taylor, V. E. Hunt, and R. Melcher. 2,531,925, Nov. 28.
Mounting for power-driven saws, Radial arm. A. C. Johnson. 2,522,789, Sept. 19.
Mounting for price tag moldings. D. L. Mapson and C. E. Buckmeyer. 2,532,028, Nov. 28.
Mounting for propeller shafting, Vehicle frame. F. J. Hardy. 2,507,406, May 9.
Mounting for pulverizing mills, Roll assembly carrier. W. A. Gibson. 2,506,499, May 2.
Mounting for reading glasses or the like. W. Auer. 2,532,877, Dec. 5.
Mounting for reciprocating gutter hoe-type conveyers, Paddle. F. L. Nickerson. 2,494,626, Jan. 17.
Mounting for semirimless spectacles, Lens. R. F. E. Stegeman. 2,532,959, Dec. 5.
Mounting for sheaves and the like. W. Siegerist. 2,505,215, Apr. 25.
Mounting for sheaves, etc. D. Firth. 2,535,729, Dec. 26.
Mounting for sound reproducers, Stylus. C. E. Kilgour. 2,509,356, May 30.
Mounting for steerable wheels, Individual. T. B. McCormick. 2,533,950, Dec. 12.
Mounting for television antennas, Mast. F. R. Felber. 2,518,875, Aug. 15.
Mounting for track type tractors, Adjustable track idler. J. W. Bridwell, R. Roman, and J. L. Holden. 2,511,098, June 13.
Mounting for tractors, Air compressor. M. Whited. 2,512,125, June 20.
Mounting for transparency slides. T. M. Jablon. 2,496,008, Jan. 31.
Mounting for Venetian blinds, Cord lock. F. J. Burns. 2,494,858, Jan. 17.
Mounting for vertical dispensers, Roller. L. A. Geistert. 2,493,485, Jan. 3.
Mounting for vibrating machinery. G. G. Grosh. 2,505,959, May 2.
Mounting for window ventilators. B. Essick. 2,493,123, Jan. 3.
Mounting for wire drawing dies, Adjustable. C. D. Johnson. 2,526,237, Oct. 17.
Mounting for wire recorder supply spools. C. B. Dale. 2,532,541, Dec. 5.
Mounting for yarn packages. H. F. Liedtke. 2,524,629, Oct. 3.
Mounting having clamp type rim and temple connector, Ophthalmic. D. P. Bernheim. 2,500,654, Mar. 14.
Mounting having flexible lens retainers, Semirimless spectacle. N. W. Chappell. 2,516,549, July 25.
Mounting machine, Hose coupling. R. S. Doerr. 2,508,377, May 23.
Mounting means, Electric switch. R. F. Gates. 2,522,172, Sept. 12.
Mounting means for ignition switch locks. E. N. Jacobi. 2,506,642, May 9.
Mounting means for lamp shades, Quickly releasable. B. W. White. 2,516,035, July 18.
Mounting means for oscillatory display devices. J. S. Yarrow. 2,529,720, Nov. 14.
Mounting means for type cylinders. E. Buhler. 2,493,856, Jan. 10.
Mounting means for variable inductance coils. A. P. Buffington. 2,507,488, May 16.
Mounting means, Name plate. E. F. Schweller. 2,513,589, July 4.
Mounting means, Picker. C. L. Huffman. 2,524,443, Oct. 3.
Mounting means, Type container. K. J. Braun. 2,508,593, May 23.
Mounting means, Wheel. B. F. Blackmarr. 2,524,027, Oct. 3.
Mounting of amplifiers of large power for short waves, Symmetrical neutralized. H. Grumel. 2,520,765, Aug. 29.
Mounting of electrodes in electron discharge devices and fabrication. V. L. Ronci and J. W. West. 2,520,016, Aug. 22.
Mounting of gas turbine engines in aircraft. F. W. W. Morley. 2,529,955, Nov. 14.
Mounting of gramophone units and the like. E. W. Mortimer. 2,507,806, May 16.
Mounting of stabilized platforms on moving vehicles. D. O. Sproule. 2,501,479, Mar. 21.
Mounting oranges for dejuicing operations. J. Haller. 2,507,667, May 16.
Mounting plate with plug-in components, Telephone switchboard. M. J. Arndt. 2,512,908, June 27.
Mounting rockets on aircraft. A. Tharratt. 2,506,976, May 9.
Mounting snap action switch blades. P. C. Jacobs, Jr. 2,533,671, Dec. 12.
Mounting structure and extension tracks for mechanical units. L. W. Melcher. 2,497,785, Feb. 14.
Mounting structure for bearings. W. J. Parks. 2,532,779, Dec. 5.
Mounting structure, Gimbal. W. L. Tracy. 2,504,166, Apr. 18.
Mounting structure, Whip roll. F. Stephensen and E. A. Mastriani. 2,507,828, May 16.
Mounting stud for junction boxes. W. A. Doney. 2,520,675, Aug. 29.
Mounting television receiving antennas. E. O. Johnson. 2,495,972, Jan. 31.
Mounting unit for phonograph tone-arms. E. O. Thompson. 2,506,692, May 9.
Mounting with adjusting and locking means, Projector lens. R. J. Dunlavey. 2,496,448, Feb. 7.
Mouse and rat trap. W. L. Hayden. 2,496,393, Feb. 7.
Mousetrap. A. Biery. 2,529,589, Nov. 14.
Mousetrap. A. Price and M. K. Benson. 2,510,655, June 6.
Mousetrap. G. H. Van Brunt. 2,511,519, June 13.
Mouthpiece and ash receptacle, Combination smoker's. A. Marshall. 2,526,572, Oct. 17.
Mouthpiece for musical instruments. E. M. Dillon. 2,527,988, Oct. 31.
Mouthpiece for musical instruments. H. V. Kleczka. 2,504,336, Apr. 18.
Mouthpiece for reed musical instruments. H. L. Schemenauer. 2,495,484, Jan. 24.
Mouthpiece for wind musical instruments. R. H. Le Velle. 2,515,411, July 18.
Mouthpiece for woodwind instruments. H. Chance. 2,525,523, Oct. 10.
Mouthpiece, Micrometer-type adjustable saxophone. L. R. Reddick. 2,496,749, Feb. 7.
Mouthpiece, Saxophone. A. P. Dunn. 2,494,231, Jan. 10.
Mouthpiece, Volume controlled saxaphone. C. D. Berry. 2,517,077, Aug. 1.
Mouthwash. M. H. Sandberg. 2,527,686, Oct. 31.
Movable deck pneumatic coal cleaner. C. V. Ore. 2,513,960, July 4.
Movable magnifying lens indicator. M. Rosenberg. 2,533,628, Dec. 12.
Movement for timekeepers, Electrical. F. Marti. 2,495,858. Jan. 31.
Mover, Dirt and snow. F. B. Arps. 2,493,565, Jan. 3.
Moving-coil system without core for a luxmeter comprising a selenium cell. A. T. van Urk. 2,505,265, Apr. 25.
Moving means for building blocks. A. R. Falkner. 2,527,922, Oct. 31.
Moving object detection system. A. G. Emslie. 2,512,144, June 20.
Moving target indicator. R. H. Dicke. 2,535,274, Dec. 26.
Mower. C. D. Barnes. 2,502,696, Apr. 4.
Mower. F. M. Ford. 2,504,259, Apr. 18.
Mower. A. A. Koch. 2,502,730, Apr. 4.
Mower. E. M. Lieberman. 2,532,174, Nov. 28.
Mower. J. L. May. 2,514,407, July 11.
Mower. P. R. Schroeppel. 2,532,426, Dec. 5.
Mower and drive therefor, Wheeled. E. Bobard. 2,533,759, Dec. 12.
Mower attachment for automobiles. C. E. Wilson. 2,527,610, Oct. 31.
Mower attachment for motor vehicles. A. J. Kayser. 2,529,612, Nov. 14.
Mower, Break-back. R. B. Favor. 2,520,745, Aug. 29.
Mower, Convertible automotive. M. Soss. 2,509,993, May 30.
Mower, Disk type. V. N. Haglund and C. J. Grenfell. 2,521,972, Sept. 12.
Mower guard. J. M. Leake. 2,529,087, Nov. 7.
Mower, Power-driven. A. M. Walstrom. 2,514,917, July 11
Mower, Rotating cutting disk power. J. L. May. 2,523,439, Sept. 26.
Mower, Rotating cutting disk type. J. Barker and M. Ghere. 2,505,377, Apr. 25.
Mower, Sickle bar. J. A. Ronning. 2,530,732, Nov. 21.
Mower structure, Rear. A. Abgarian. 2,503,605, Apr. 11.
Mower, Tractor mounted reciprocating. B. E. Brown. 2,517,384, Aug. 1.
Mower unit, Power. G. W. Daggett. 2,507,758, May 16.
Mower with yieldingly retractable knives. R. R. Cauble. 2,529,797, Nov. 14.
Mowing apparatus. A. Dunn and O. C. Eiland. 2,514,278, July 4.
Mowing apparatus. P. R. Schroeppel. 2,495,986, Jan. 31.
Mowing machine. C. M. Annis. 2,513,703, July 4.
Mowing machine. E. L. Boyd. 2,494,741, Jan. 17.
Mowing machine. R. Carter. 2,529,328, Nov. 7.
Mowing machine. K. E. Hileman. 2,504,416, Apr. 18.
Mowing machine. R. E. Jenkins. 2,509,437, May 30.
Mowing machine. J. A. Ronning. 2,530,733, Nov. 21.
Mucking and loading device. D. I. Hayes. 2,518,471, Aug. 15.
Mucking machine for inclined mine shafts. S. W. McDougall. 2,530,714, Nov. 21.
Muconic acid and its derivatives, Producing. A. Wacek. 2,534,212, Dec. 19.

Mud cleaning apparatus. J. C. Stratton. 2,530,916, Nov. 21.
Mud gun, Jet propelled rotary action submarine. S. W. Woolsey. 2,531,760, Nov. 28.
Mud mixing device. W. H. Endsley. 2,512,095–6, June 20.
Muffler, Baffle type. B. R. Wright. 2,511,190, June 13.
Muffler, Door slam. B. L. Fry. 2,526,467, Oct. 17.
Muffler, Drum. B. E. Walberg. 2,499,616, Mar. 7.
Muffler formed of plural nozzles. G. Golliez. 2,507,336, May 9.
Muffler including plural Venturi elements, Exhaust. H. A. Dorman. 2,502,709, Apr. 4.
Muffler including tapered inlet nozzle with tapered opening. R. C. Baird. 2,517,623, Aug. 8.
Muffler with cup-shaped baffle. J. P. Marx. 2,511,597, June 13.
Muffler with divided flow passages. U. Sauer. 2,514,520, July 11.
Muffler with expansion chamber and transverse perforated baffles. E. A. Kliewer, Sr. 2,500,551, Mar. 14.
Muffler with fibrous walled side branch chambers, Fluid mingling. R. D. May. 2,508,463, May 23.
Muffler with fluid mingling and side branch chambers. W. B. McLeod. 2,511,359, June 13.
Muffler with inner flexible corrugated conduit. J. J. Thomas. 2,528,674, Nov. 7.
Muffler with inner sound-absorbing tube. R. B. Bourne. 2,516,949, Aug. 1.
Muffler with internal side branch chamber. J. R. Fluor, F. M. Stephens, A. Bartels, and C. Newman. 2,501,767, Mar. 28.
Muffler with plural perforated conical baffles. G. C. Hill. 2,512,155, June 20.
Muffler with plural perforated inner elements. T. A. Carlson. 2,529,136, Nov. 7.
Muffler with plural tubular passages, Baffle type. F. and N. Christiano. 2,499,018, Feb. 28.
Muffler with refractory lining, Baffle type. J. M. Campbell. 2,523,260, Sept. 26.
Muffler with retroverted flow, Spark arresting. R. Beck and A. Kovner. 2,527,052, Oct. 24.
Muffler with rotatable baffle. T. K. Corless. 2,518,869, Aug. 15.
Multiangular reflector sign. J. C. De Marco. 2,504,396, Apr. 18.
Multichambered gas burner. O. C. Kuehne. 2,521,584, Sept. 5.
Multicolor printing on flocked area of fabric. J. and M. Aronstein and J. A. Solomon. 2,533,985, Dec. 12.
Multicolor reproduction. J. A. Ball. 2,507,494, May 16.
Multicompartment box. J. G. Huye. 2,527,221, Oct. 24.
Multicompartment condiment holder. H. Cole. 2,513,625, July 4.
Multicontact connector. L. E. Hayslett. 2,530,354, Nov. 14.
Multicontact device, Rotary. C. F. Mattke. 2,530,891, Nov. 21.
Multicontrol for mechanical musical instruments or the like. F. M. Grunicke and J. H. Rauschenback. 2,494,656, Jan. 17.
Multicylinder piston engine. W. Slaterus. 2,514,728, July 11
Multiflow control valve. H. P. Kupiec. 2,500,758, Mar. 14.
Multigrid electron discharge tube. A. J. W. M. van Overbeek and J. Dorrestijn. 2,532,869, Dec. 5.
Multigrid tube amplifier circuit. A. M. Seybold. 2,494,317, Jan. 10.
Multijointed device. J. H. Culvertson. 2,496,519, Feb. 7.
Multiparty message rate line circuit. H. E. Gordon. 2,523,657, Sept. 26.
Multiplaten press. L. A. Camerota. 2,494,162, Jan. 10.
Multiple action power press. V. Georgeff. 2,503,037, Apr. 4.
Multiple address tape holder. M. J. Jarva. 2,507,856, May 16.
Multiple and rotatable stamp mill. G. C. E. Keet. 2,496,477, Feb. 7.
Multiple bearing. J. F. Kendrick. 2,499,651, Mar. 7.
Multiple bell cap clamp. B. L. Bragg, III. 2,525,064, Oct. 10.
Multiple block mold. M. M. Case. 2,522,603, Sept. 19.
Multiple bridge circuit. I. Warshawsky. 2,535,108, Dec. 26.
Multiple chamber container. W. A. Nosik. 2,495,942, Jan. 31.
Multiple clothesline reel. F. F. Prihoda. 2,507,813, May 16.
Multiple combustion cell gaseous fuel burner. K. A. Scharbau and A. Stadler. 2,533,143, Dec. 5.
Multiple combustion unit pulse jet engine. J. P. Serrell. 2,500,712, Mar. 14.
Multiple compartment condiment holder. F. Vorsanger. 2,526,308, Oct. 17.
Multiple contact switch. M. A. Ausman, V. C. Davis, and A. Hundere. 2,501,431, Mar. 21.
Multiple-contact switch. W. C. Kuhlman. 2,504,027, Apr. 11.
Multiple container. C. V. Johnston. 2,517,492, Aug. 1.
Multiple-disk friction coupling. J. Fleux. 2,524,311, Oct. 3.
Multiple disk type clutch. W. E. Melegan and A. W. Eidman. 2,533,194, Dec. 5.
Multiple edge percussion bit. O. Phipps. 2,507,222, May 9.
Multiple-effect distillation. A. S. Brunjes. 2,510,548, June 6.
Multiple electric discharge tube. O. L. van Steenis. 2,502,808, Apr. 4.
Multiple filter. C. C. S. Le Clair. 2,526,372, Oct. 17.
Multiple fluid dispenser. W. H. Baumgard. 2,516,174, July 25.
Multiple fuel burner. J. S. Zink. 2,531,316, Nov. 21.
Multiple gap erase head for magnetic recording. H. Wolfe. 2,535,712, Dec. 26.
Multiple garment hanger. A. J. and V. F. Burger. 2,514,742, July 11.
Multiple garment hanger. A. P. Swanson. 2,511,304, June 13.
Multiple gas burner. W. R. Vandiver. 2,497,104, Feb. 14.
Multiple jaw jar cap wrench. H. T. Duket. 2,524,434, Oct. 3.
Multiple movement gate. F. J. Anderson. 2,500,236, Mar. 14.
Multiple operated vehicle brake. T. James, Jr. 2,503,489, Apr. 11.
Multiple opposed piston engine. T. Y. Korsgren. 2,532,106, Nov. 28.
Multiple outlet electrical connector plug. G. Harpster. 2,500,987, Mar. 21.
Multiple panel display board. W. G. Damroth. 2,526,603, Oct. 17.
Multiple platen press. E. J. Way. 2,534,325, Dec. 19.
Multiple pole switch. F. H. Hesh. 2,507,016, May 9.
Multiple pump. C. C. S. Le Clair. 2,504,543, Apr. 18.
Multiple record, single marker recording system. G. W. Barnes, Jr. 2,527,207, Oct. 24.
Multiple rocket motor. C. C. Lauritsen. 2,515,048, July 11.
Multiple-roller bearing unit. J. M. Ducharme. 2,531,770, Nov. 28.
Multiple safety lock. W. R. Yost and H. B. Wampler. 2,497,485, Feb. 14.
Multiple sampling valve circuit. J. P. Strange. 2,506,394, May 2.
Multiple snell holder. W. F. Anderson. 2,525,057, Oct. 10.
Multiple-speed electric motor. H. M. Norman. 2,502,338, Mar. 28.
Multiple step process for preparing N,N′ diphenyl p-phenylene diamine. M. L. Clemens and J. E. Magoffin. 2,503,712, Apr. 11.
Multiple step switch. M. Rigert. 2,513,677, July 4.
Multiple step switch. W. O. Schultz. 2,503,888, Apr. 11.
Multiple switch. G. de Champs. 2,528,345, Oct. 31.
Multiple switch. J. C. Koci. 2,532,627, Dec. 5.
Multiple switch. J. M. Tyrner. 2,514,913, July 11.
Multiple top. S. G. Gilleland. 2,526,862, Oct. 24.
Multiple tray supporting rack. J. Kappel. 2,511,715, June 13.
Multiple-trip container. D. G. Williams. 2,511,958, June 20.
Multiple unit container. W. H. Harrison. 2,514,573, July 11.
Multiple use household tool. B. Forster. 2,528,128, Oct. 31.
Multiplex parallel commutator winding for commutator apparatus. V. Klíma. 2,525,913, Oct. 17.
Multiplex system, Cathode-ray pulse time modulation. E. Labin and D. D. Grieg. 2,495,738, Jan. 31.
Multiplier. R. C. Cheek. 2,519,223, Aug. 15.
Multiplier, Electron. H. W. G. Salinger. 2,512,683, June 27.
Multiplier entering means. H. Gang. 2,531,206, Nov. 21.
Multiplier, Frequency. J. J. Root. 2,503,968, Apr. 11.
Multiplier, Secondary electron. A. H. Snell and L. C. Miller. 2,521,133, Sept. 5.
Multiplier, Signal mixing electron. J. C. Ferguson 2,492,976, Jan. 3.
Multiplying apparatus. W. A. Steward. 2,533,408, Dec. 12.
Multiplying device. M. Sens-Olive. 2,521,418, Sept. 5.
Multiplying device, Piezoelectric. M. K. Taylor. 2,513,899, July 4.
Multiplying machine, Partial product. G. E. Ford. 2,515,995, July 18.
Multiplying machine, Record controlled. D. W. Rubidge and O. B. Shafer. 2,528,453, Oct. 31.
Multipoint electrical connector. H. Milhench, B. C. Gresty, and E. E. Comfort. 2,500,292, Mar. 14.
Multipole electric switch. H. W. Batcheller. 2,520,270, Aug. 29.
Multipole switch. E. T. Platz and L. E. Fisher. 2,503,409, Apr. 11.
Multiport valve. A. Kromhout. 2,529,505, Nov. 14.
Multirange oscillator circuits. B. S. Vilkomerson. 2,525,053, Oct. 10.
Multirange wave trap. W. V. Arnett. 2,510,272, June 6.
Multiring standard taper ground glass joint. J. E. Metzkier. 2,499,106, Feb. 28.
Multistage method and apparatus for freezing comestibles. G. A. M. Anderson. 2,494,027, Jan. 10.
Multitemperature refrigerator car. H. W. Kleist. 2,534,272, Dec. 19.

Multiunit electrical outlet construction. A. C. Grohsgal. 2,506,212, May 2.
Multiunit electron discharge tube. C. R. Stevens. 2,534,077, Dec. 12.
Multiunit electron discharge tube. P. M. G. Toulon. 2,534,688, Dec. 19.
Multiunit electronic discharge device. E. J. Walsh. 2,509,947, May 30.
Multiunit vacuum tube. J. J. Muller. 2,533,280, Dec. 12.
Multivibrator. A. H. Bartels. 2,495,684, Jan. 31.
Multivibrator and control of same. J. R. Weiner. 2,502,687, Apr. 4.
Multivibrator and integrating circuit combination. E. L. C. White. 2,527,342, Oct. 24.
Multivibrator circuit. H. A. Bass. 2,500,788, Mar. 14.
Multivibrator, Phase controlled. E. M. Roschke. 2,504,354, Apr. 18.
Multivibrator, Stabilized one-shot. A. S. Harris. 2,516,867, Aug. 1.
Multivitamin preparation. T. J. Macek. 2,519,487, Aug. 22.
Multiwalled structure. R. E. Ottenheimer. 2,525,717, Oct. 10.
Multiway electric switch. L. Gurevsky. 2,498,805, Feb. 28.
Mushroom and its preparation, Essence of. J. Szuecs. 2,505,811, May 2.
Mushroom spawn, Making. L. Lescarboura. 2,520,318, Aug. 29.
Music box. N. T. Boyle. 2,501,022, Mar. 21.
Music exchange, Coin-controlled. W. W. Shayne. 2,529,356, Nov. 7.
Music holder. L. B. Johnston. 2,514,068, July 4.
Music-leaf turner. H. A. Sjöblom. 2,528,289, Oct. 31.
Music printing process and apparatus. J. and W. K. Victor. 2,518,204, Aug. 8.
Music producing unit. N. P. Blair. 2,504,632, Apr. 18.
Music stand. R. L. Steed. 2,508,694, May 23.
Music string pitch regulator. A. Bredice. 2,514,835, July 11.
Musical apparatus, Electrical. J. M. Hanert. 2,509,923, May 30.
Musical device, Electrical. A. Roth. 2,513,109, June 27.
Musical device, Electrically operated. J. F. Leonardson. 2,516,579, July 25.
Musical instrument support. P. M. Carley. 2,510,799, June 6.
Musical toothbrush holder. R. F. Koppel. 2,528,006, Oct. 31.
Mute for string instruments. S. Ohab. 2,495,343, Jan. 24.
Mute for stringed musical instruments. E. M. Fitzwater and L. D. Sobel. 2,525,406, Oct. 10.
Mutual inductance type frequency meter. A. J. Corson and T. A. Rich. 2,522,998, Sept. 19.
Muzzle. A. L. Kinskie. 2,499,868, Mar. 7.
Muzzle brake. R. Tiffany. 2,499,428, Mar. 7.
Myrcene from beta-pinene, Producing. T. R. Savich and L. A. Goldblatt. 2,507,546, May 16.

N-acetonyl-pyridinium chloride as an azo coupling component in diazotypes. A. E. Van Dormael. 2,531,091, Nov. 21.
N-acyl allothreonine esters, Production of. K. Pfister, III, and M. Tishler. 2,530,627, Nov. 21.
N-acyl derivatives of polyvinylamine. D. D. Reynolds and W. O. Kenyon. 2,507,181, May 9.
N-acyl penicillamines and preparation thereof. J. C. Sheehan, R. Mozingo, K. Folkers, and M. Tishler. 2,496,416, Feb. 7.
N-acylated amino-methyl ethers and making same. O. Albrecht, R. Sallmann, and C. Graenacher. 2,523,934, Sept. 26.
N-acylated amino-substituted carboxylic acids, Production of. H. Sokol. 2,515,320, July 18.
N-alkyl acrylamides, Producing. J. G. Erickson. 2,534,585, Dec. 19.
N-alkyl-substituted-1,2,3,4-tetrahydroquinolines and N-alkyl-substituted-1,2,3,4-tetrahydroisoquinolines, Preparing. M. T. Leffler and M. Freifelder. 2,524,392, Oct. 3.
N-allyl-1,2-diphenylethylamine. L. H. Goodson and R. B. Moffett. 2,504,122, Apr. 18.
N-alpha-auro-mercapto-acetyl-aminophenols. M. J. Lewenstein. 2,518,154, Aug. 8.
N-aroyl alanine amides. H. Martin and H. Gysin. 2,496,882, Feb. 7.
N-aryl-2,4-diketo-tetrahydroquinolines, Preparation of. C. G. Vogt and C. G. Verdery. 2,507,485, May 9.
n-Butylamine, Preparation of. M. R. Brimer, J. E. Magoffin, and H. Von Bramer. 2,518,659, Aug. 15.
N-carboxyalkyl morpholines, Preparation of novel. T. L. Gresham and F. W. Shaver. 2,526,558, Oct. 17.
N-cyclohexyl nicotinamide. C. O. Badgett and C. F. Woodward. 2,510,945, June 13.
N-(diarylmethyl)-tertiary-aminoalkanamides and their preparation. E. J. Lawson, G. M. Fohlen, and A. Addelston. 2,520,153, Aug. 29.
N-dimethylaminoethylacridan and its acid addition salts. J. Mills. 2,528,162, Oct. 31.
N-dimethylaminoethyl-N-alkoxyethyl (or benzyloxyethyl)-anilines. P. Gailliot and F. Custot. 2,516,560, July 25.
N-(di-substituted thiocarbamyl-thiomethylene) aromatic amines. A. F. Hardman. 2,496,941, Feb. 7.
N-ethyl and N,N-dimethyl beta-alanine, Preparation of. T. L. Gresham and F. W. Shaver. 2,526,556, Oct. 17.
N-fluoroalkylacrylamides and polymers thereof. H. W. Coover, Jr., and J. B. Dickey. 2,521,902, Sept. 12.
N^4-acetyl, n^1-(p-iodophenyl) sulfanilamide. R. de Montaner. 2,494,931, Jan. 17.
N-4-succinylsulfanilamidodiazines. M. L. Moore. 2,533,033, Dec. 5.
N-halo derivatives of organic sulfonamides, Preparation of. E. E. van Andel. 2,495,489, Jan. 24.
N-(hydroxy-aryl) aspartic acid diesters, Production of. L. H. Flett and L. W. Seigle. 2,494,650, Jan. 17.
N-hydroxyphenyl-isoindolines. L. Schmerling. 2,521,416, Sept. 5.
N-isobutyl hexamethylenediamines, Preparation of. W. M. Bruner. 2,497,292, Feb. 14.
N-isopropyl di-(alkoxymethoxyalkyl) amines. D. J. Loder and W. F. Gresham. 2,511,476, June 13.
N-methyl p-aminophenol, Preparation of. M. E. Bouvier. 2,507,192, May 9.
N-methylol maleimide. P. O. Tawney. 2,526,517, Oct. 17.
N,N-dialkylacrylamides, Preparation of. J. G. Erickson. 2,529,838, Nov. 14.
N,N-dialkyl-N′-phenyl-N′(2-heterocyclyl or heterocycyl-alkylene) ethylenediamines. P. L. Gailliot, G. Rouze, and P. E. Gastou. 2,526,943, Oct. 24.
N,N-dimethyl acetamide-containing compositions. G. F. D'Alelio. 2,531,406–7, Nov. 28.
N,N-dimethyl-N′-(2-pyridyl)-N′-(2-benzothenyl) ethylene diamine. G. J. Martin and S. Avakian. 2,530,358, Nov. 14.
N,n′-diacyl-tetrahydro-1,3,5-oxadiazines. M. Hunt and H. W. Bradley. 2,493,068, Jan. 3.
N,N′-diphenyl-p-phenylenediamine, Preparing. H. G. Stone. 2,503,778, Apr. 11.
N,N′,N″-triacylmelamines. W. S. Emerson and T. M. Patrick, Jr. 2,507,700, May 16.
N,N′-polythioamines as pesticides. W. D. Stewart and J. H. Standen. 2,501,191, Mar. 21.
N^4-p-chlorophenyl-N^5-isopropyl biguanide, Production of. L. E. Bessot and P. Garet. 2,529,992, Nov. 14.
N-oxides of tertiary amines and preparing same. R. L. Evans and F. Linsker. 2,518,130, Aug. 8.
N-phenethyl-beta-alanine derivatives. R. Baltzly, A. P. Phillips, and L. O. Randall. 2,503,652, Apr. 11.
N-phenethyl-beta-alanine derivatives. R. Baltzly, A. P. Phillips, and L. O. Randall. 2,534,567, Dec. 19.
N-phenyl-3,5-diethyl-2-propyl-pyridinium compounds. D. Craig. 2,501,209, Mar. 21.
N′-butyrylsulfanilamides. M. E. Hultquist and E. H. Northey. 2,512,898, June 27.
N′(4-hydroxy-4-isolmidazol-2-yl) sulfonamides and their production. J. W. Williams, and T. A. Williamson. 2,523,528, Sept. 26.
N′-isopropoxybenzoyl sulfanilamide. H. Gysin. 2,503,820, Apr. 11.
N-ricinoleyl amines and the production thereof. A. L. Jacoby. 2,511,163, June 13.
N-substituted alkenyloxyacetamides. L. B. Kilgore. 2,504,427, Apr. 18.
N-substituted and N,N-disubstituted beta-amino-saturated aliphatic monocarboxylic acids. T. L. Gresham and F. W. Shaver. 2,526,557, Oct. 17.
N-substituted and N,N-disubstituted beta-amino saturated aliphatic monocarboxylic acids, Preparation of. T. L. Gresham and F. W. Shaver. 2,526,555, Oct. 17.
N-substituted carbamic acid esters. F. Strain. 2,528,399, Oct. 31.
N-substituted carbamic acid esters. K. H. Weber and L. B. Kilgore. 2,520,586, Aug. 29.
N-substituted oxyacetamides. L. B. Kilgore. 2,520,551, Aug. 29.
N-substituted piperazines, Preparation of. K. L. Howard. 2,525,223, Oct. 10.
N-substituted poly-iodo phthalimides. W. H. Strain and J. Dec. 2,508,418, May 23.
N-(substituted sulfonyl)-aminobenzoic acids. J. M. Sprague. 2,531,367, Nov. 21.
N(thiophenalkyl) arylamines in mineral oil. J. H. McCracken. 2,518,351, Aug. 8.
N-(2-cyanoethyl)-2-pyrrolidone-5-carboxylic acid and its preparation. L. L. McKinney, E. H. Uhing, and J. C. Cowan. 2,517,585, Aug. 8.
N-(2-hydroxyethyl)-1,2-bis (4-methoxyphenyl) ethylamine. L. H. Goodson and R. B. Moffett. 2,506,588, May 9.
N-unsaturated hydrocarbon, N′-phthaloyl substituted urea and polymers thereof. E. K. Drechsel and W. M. Thomas. 2,516,836, Aug. 1.
Nail and tack making apparatus. L. Lukancic. 2,505,415, Apr. 25.
Nail driving apparatus. R. Papalia. 2,498,503, Feb. 21.
Nail extracting machine. J. M. Anderson. 2,522,769, Sept. 19.
Nail extractor. A. A. Vazquez. 2,532,474, Dec. 5.
Nail, Insulated. N. C. Rublee. 2,528,288, Oct. 31.
Nail, Self-clinching. H. G. Cummings. 2,501,664, Mar. 28.
Nail, Self-locking. A. G. Kolessar. 2,521,378, Sept. 5.
Nail used for the intramedullary fixation of a fractured bone, Extracting the. C. A. L. Bassett and E. Evertz. 2,528,941, Nov. 7.

Nailing machine. E. P. Anstett. 2,496,974, Feb. 7.
Nailing machine. W. A. Bell. 2,525,637, Oct. 10.
Name finder for use by students of music, Note. M. M. Rogers. 2,516,485, July 25.
Name plate for mailboxes. J. A. Kohl. 2,509,930, May 30.
Naphthalene compounds. L. M. Long and H. D. Troutman. 2,516,130, July 25.
Naphthyridine derivatives. C. Richter. 2,517,929, Aug. 8.
Napkin dispenser. E. N. Borden. 2,522,427, Sept. 12.
Napkin holder. R. E. Lepper. 2,518,626, Aug. 15.
Nasal air filter. A. Gillespie. 2,528,303, Oct. 31.
Nasal appliance. C. Bove. 2,515,756, July 18.
Nasal filter. V. H. Pandorf. 2,535,155, Dec. 26.
Nasal filter. L. M. Shuff. 2,526,586, Oct. 17.
Natural draft oil burner. J. R. Clark. 2,506,138, May 2.
Natural gas mixer. M. N. Judson. 2,526,139, Oct. 17.
Navigation and tracking apparatus. C. E. Hastings. 2,528,141, Oct. 31.
Navigation apparatus for training aircraft personnel, Radio range. R. C. Dehmel. 2,529,468, Nov. 7.
Navigation map gauge. J. P. Putman. 2,514,455, July 11.
Navigation, Radio. D. H. Ewing. 2,502,317, Mar. 28.
Navigation system. W. J. O'Brien. 2,530,903, Nov. 21.
Navigation system. S. R. Rich. 2,515,472, July 18.
Navigation system. L. A. Warner. 2,532,974, Dec. 5.
Navigation system, Aerial. G. A. Maney. 2,529,619, Nov. 14.
Navigation system, Direct reading radio. M. J. Minneman. 2,515,464, July 18.
Navigation system, Electrical. B. Chance. 2,508,565, May 23.
Navigation system, Radio. G. R. Paine and W. C. Platt. 2,497,513, Feb. 14.
Navigation system, Radio. E. O. Willoughby. 2,498,732, Feb. 28.
Navigation system, Radio-frequency. W. J. O'Brien. 2,503,836, Apr. 11.
Navigation system with counter circuits for pulse timing and delay. J. D. Woodward. 2,523,244, Sept. 19.
Navigational aid. C. E. Hastings. 2,528,140, Oct. 31.
Navigational aid, Radio. A. R. Grenfell. 2,531,908, Nov. 28.
Navigational aid, Radio-frequency. W. J. O'Brien. 2,531,919, Nov. 28.
Navigational data integrator. H. Wilkie. 2,533,256, Dec. 12.
Navigational device, Gyroscopic. M. Jones. 2,534,824, Dec. 19.
Navigational plotting device. R. Duus. 2,506,584, May 9.
Navigational system. M. Wallace. 2,535,107, Dec. 26.
Navigational system, Airways. W. S. Halstead. 2,523,295, Sept. 26.
Navigational system, Radio. C. W. Earp and C. E. Strong. 2,521,702, Sept. 12.
Navigational system with beacon for determining angular position and distance. E. S. Purington. 2,503,412, Apr. 11.
Navigator and indicator, Automatic. R. J. Framme and H. G. Wolff. 2,520,922, Sept. 5.
Nebulizer. J. C. Boss. 2,494,504, Jan. 10.
Necktie. H. C. Hall. 2,534,669, Dec. 19.
Necktie. E. Rhein. 2,499,260, Feb. 28.
Necktie. S. Richman. 2,501,741, Mar. 28.
Necktie. J. T. Scully. 2,508,472, May 23.
Necktie. L. H. Vandermark. 2,495,614, Jan. 24.
Necktie and construction. I. K. Trau. 2,499,286, Feb. 28.
Necktie and holder therefor. E. L. Scott. 2,504,887, Apr. 18.
Necktie and making it. J. J. Kaplan. 2,504,843, Apr. 18.
Necktie and tying article therefor. H. C. Riordan and L. Bethke. 2,526,274, Oct. 17.
Necktie finisher. C. E. Langley. 2,493,252, Jan. 3.
Necktie, Full-lined inside out made. F. Goldsmith. 2,530,870, Nov. 21.
Necktie hanger. W. S. Witt. 2,510,452, June 6.
Necktie holder. D. H. Bowder. 2,500,114, Mar. 7.
Necktie holder. B. R. Burg. 2,503,375, Apr. 11.
Necktie holder. A. O. Skivenes. 2,516,429, July 25.
Necktie, Lady's. V. Manfred. 2,523,130, Sept. 19.
Necktie rack. A. Fenzl. 2,525,259, Oct. 10.
Necktie rack. P. Pestyner. 2,499,159, Feb. 28.
Necktie retainer. I. R. Lang. 2,534,457, Dec. 19.
Necklaces, Assembling strung bead. P. Tell. 2,529,059, Nov. 7.
Needle, Band type knitting. J. W. Phillips. 2,507,174, May 9.
Needle, Biopsy. H. Turkel. 2,496,111, Jan. 31.
Needle, Combined tufting and spring-tying. W. Hearst and G. Plackett. 2,518,888, Aug. 15.
Needle, Double point surgical. D. P. Mascolo. 2,516,710, July 25.
Needle driving apparatus for sewing machines. V. M. Newman. 2,522,582, Sept. 19.
Needle, Easy threading. C. J. Currier. 2,513,235, June 27.
Needle, Felting. E. P. Foster. 2,495,926, Jan. 31.
Needle for making leis. R. T. Yamamoto. 2,526,104, Oct. 17.
Needle holder. S. L. Kousens. 2,530,620, Nov. 21.
Needle holder. E. G. Kufall. 2,495,586, Jan. 24.
Needle, Hypodermic. B. S. Lement. 2,517,689, Aug. 8.
Needle, Hypodermic. J. A. Saffir. 2,512,569, June 20.
Needle, Knitting. S. Baylin. 2,503,576, Apr. 11.
Needle, Knitting. B. Morrison. 2,535,315, Dec. 26.
Needle, Knitting machine. R. C. Amidon. 2,522,335, Sept. 12.
Needle, Phonograph. A. D. Kondrath. 2,495,934, Jan. 31.
Needle, Phonograph. F. Massa. 2,531,067, Nov. 21.
Needle, Phonograph. G. M. Mencke. 2,499,196, Feb. 28.
Needle, Phonograph. M. A. Miller. 2,505,715, Apr. 25.
Needle, Phonograph. H. F. Nichols. 2,511,444, June 13.
Needle puller attachment for sewing palm. W. J. Schulz. 2,527,580, Oct. 31.
Needle punch machine. R. H. Warmack. 2,533,540, Dec. 12.
Needle, Rug. H. L. Biggs. 2,530,851, Nov. 21.
Needle, Run repairing. E. Lalanne and P. Grandjean. 2,528,762, Nov. 7.
Needle, Skin biopsy. H. Turkel. 2,516,492, July 25.
Needle, Talking machine. A. Nicole. 2,497,366, Feb. 14.
Needle valve. H. E. Pearson. 2,520,430, Aug. 23.
Negative feedback amplifier circuit. E. E. Carpentier. 2,510,683, June 6.
Negative resistance device. L. B. Wilson. 2,520,990, Sept. 5.
Negatives, Making half-tone. F. E. Wattier. 2,533,650, Dec. 12.
Neoprene-polybutadiene freeze-resistant composition. D. C. Cline. 2,514,194, July 4.
Neptunium trifluoride, Preparation of. S. Fried and N. R. Davidson. 2,532,707, Dec. 5.
Nest, Capsule shaker. A. A. Greenberg. 2,518,773, Aug. 15.
Nest construction. S. E. Keagle. 2,494,709, Jan. 17.
Nest, Hen's. R. V. Allen. 2,518,588, Aug. 15.
Nest, Hen's. C. G. Muehfeld. 2,501,475, Mar. 21.
Nest, Poultry. H. M. Stanchfield. 2,515,063, July 11.
Nested ash tray stand. R. R. Hunt. 2,507,443, May 9.
Nesting band package, Double compartment. W. E. Denison. 2,529,837, Nov. 14.
Net, Crab. W. P. Pieron. 2,520,780, Aug. 29.
Net holder for games. W. A. L. Giles. 2,522,754, Sept. 19.
Net, Landing. V. van Millingen. 2,501,975, Mar. 28.
Net, Life saving. W. B. Shimp. 2,533,520, Dec. 12.
Net, Reinforced woven laundry. J. A. Liss. 2,511,644, June 13.
Net, Shrimp trawling. L. and C. L. Guthrie. 2,511,057, June 13.
Network, Adjustable loss parallel-T. H. W. Augustadt. 2,503,540, Apr. 11.
Network, Amplifier coupling. J. Haantjes. 2,494,657, Jan. 17.
Network and oscillator, Phase-shift. M. E. Ames, Jr. 2,506,329, May 2.
Network and selective amplifier filter, Twin-T. C. E. Dolberg. 2,495,511, Jan. 24.
Network, Bridge. H. T. Wilhelm. 2,494,499, Jan. 10.
Network, Constant impedance. E. O. Willoughby. 2,527,608, Oct. 31.
Network, Electrical bridge. V. C. Davis. 2,504,965, Apr. 25.
Network, Electrical control. K. W. Harrison. 2,511,468, June 13.
Network, Electrical high-frequency pulse translating. H. W. Lord. 2,525,454, Oct. 10.
Network, Electrical transfer. L. J. Giacoletto. 2,504,322, Apr. 18.
Network for balancing the sea return impedance of submarine cables. W. H. Palmer and P. H. Wells. 2,524,075, Oct. 3.
Network, Frequency discriminator. W. F. Sands and M. S. Corrington. 2,528,182, Oct. 31.
Network, Frequency dividing. E. A. Goldberg. 2,496,994, Feb. 7.
Network, Frequency sensitive. S. L. Lindbeck and W. O. Osbon. 2,496,730, Feb. 7.
Network, Microwave detector. T. M. Gluyas, Jr. 2,493,066, Jan. 3.
Network, Minimum-voltage. S. L. Goldsborough. 2,504,827, Apr. 18.
Network, Noise reducing. E. Toth. 2,497,103, Feb. 14.
Network, Phase shift. W. J. Brown. 2,524,759, Oct. 10.
Network, Pulse resolving. J. Dickson. 2,523,283, Sept. 26.
Network, Radio frequency transmission. R. W. Masters. 2,495,589, Jan. 24.
Network, Resistance-capacitance. W. R. Baker. 2,523,856, Sept. 26.
Network, Selectable band with coupling. K. W. Horner. 2,509,062, May 23.
Network, Time-delay. M. J. Di Toro. 2,513,921, July 4.
Network to derive synchronizing pulses for triggering a generator, Pulse shaping. J. Haantjes. 2,515,597, July 18.
Network, Voltage transfer. L. J. Giacoletto. 2,504,321, Apr. 18.
Network, Wave transmission. B. M. Oliver. 2,521,125, Sept. 5.
Neurological hammer with brush and needle hidden in handle. S. G. Golub and P. G. Field. 2,532,093, Nov. 28.
Neutralization of alkyl pyridinium chlorides. L. A. Dirnberger. 2,502,643, Apr. 4.

Neutralization of deflection field between photocathode and mosaic of pickup tubes. G. C. Sziklai. 2,517,807, Aug. 8.
Neutralization of pectinic acids with sodium bicarbonate. R. P. Graham and A. D. Shepherd. 2,503,258, Apr. 11.
Neutralizer, Acid water. J. E. Linn. 2,503,878, Apr. 11.
Neutralizer for tablet presses, static. F. A. Lobley and J. A. Foster. 2,531,338, Nov. 21.
Neutralizer system, Ground fault. N. E. Dillow. 2,523,002, Sept. 19.
Neutralizing and completely removing salts before distilling crude high-boiling esters. A. W. Jefts. 2,494,133, Jan. 10.
Neutralizing capillary active sulfonated products. G. L. Busch. 2,511,043, June 13.
Neutralizing feedback in a radio amplifier. R. C. A. Eland. 2,517,294, Aug. 1.
Neutralizing inductive disturbances in magnetic reproducers. M. Camras. Re. 23,311, Dec. 26.
Neutralizing pectinic acid. H. S. Owens, R. M. McCready and W. D. Maclay. 2,495,756, Jan. 31.
Neutron counter, High-energy. C. E. Wiegan and E. G. Segre. 2,493,935, Jan. 10.
Neutron detection. K. C. Crumrine. 2,512,769, June 27.
Neutron detection. G. Herzog and K. C. Crumrine. 2,499,311, Feb. 28.
Neutron log. G. Swift, R. E. Fearon, and J. M. Thayer. 2,515,745, July 18.
Neutron logs of drill holes, Method and apparatus for producing. R. E. Fearon, J. M. Thayer and G. Swift. 2,515,500, July 18.
Neutron meter. L. H. Stuffer and T. M. Snyder. 2,506,944, May 9.
Neutron velocity selector. E. Fermi. 2,524,379, Oct. 3.
Neutron well logging. R. E. Fearon, J. M. Thayer and G. Swift. 2,515,501–2, July 18.
Newspaper rack. T. O. Ruppert. 2,518,070, Aug. 8.
Nickel base alloy. W. A. Wissler. 2,521,273, Sept. 5.
Nickel-cobalt heat-resisting alloy. P. F. Blackwood. 2,509,800–1, May 30.
Nickel plating. E. J. Roehl. 2,504,239, Apr. 18.
Nickel plating. R. H. Rogge and E. J. Roehl. 2,494,205, Jan. 10.
Nickel plating, Bright. P. W. Moy and W. P. Karash. 2,528,902, Nov. 7.
Nickel plating by chemical reduction. A. Brenner and G. E. Riddell. 2,532,283, Dec. 5.
Nickel recovery. H. G. Poole, S. F. Ravitz, and K. C. Dean. 2,520,958, Sept. 5.
Nickel-silica-sulfur catalyst, Production of a. F. Stejškal. 2,513,529, July 4.
Nicking device, Fabric. F. V. Martin. 2,494,824, Jan. 17.
Nicking machine, Billet. J. L. Anderson. 2,504,171, Apr. 18.
Nicotinamide, Manufacture of. J. Berg and V. L. King. 2,510,922, June 6.
Nicotinanilide, Production of. H. W. Grimmel and A. Guenther. 2,509,594, May 30.
Nicotine compounds containing univalent copper. C. R. Smith. 2,512,689, June 27.
Nicotine compounds containing univalent copper. C. R. Smith. 2,534,835, Dec. 19.
Nicotinic acid anhydride. C. O. Badgett and C. F. Woodward. 2,498,634, Feb. 28.
Nicotinic acid-β-picolyl-amide and the manufacture thereof. R. Schläpfer. 2,493,645, Jan. 3.
Nicotinic compounds, Fluorinated. A. S. Roe. 2,516,830, July 25.
Nicotinium alkyl sulfates. J. B. Niederl and M. E. McGreal. 2,507,925, May 16.
Nicotinyl gentisic acid. G. J. Martin and R. S. Hanslick. 2,502,870, Apr. 4.
Nicotinyl salicylic acid. G. J. Martin and S. Avakian. 2,502,868, Apr. 4.
Night latch. A. F. Lickteig. 2,532,630, Dec. 5.
Night latch. A. F. Lickteig. 2,533,023, Dec. 5.
9-dialkylamino-5-arylamino[a]phenoxazines. M. L. Crossley, P. F. Dreisbach, R. J. Turner, and C. M. Hofmann. 2,528,863, Nov. 7.
9-propylalkylamino-5-arylaminobenzo[a]phenoxazines. M. L. Crossley, R. J. Turner, and P. F. Dreisbach. 2,528,862, Nov. 7.
9-[3-(2-hydroxyethylamino) - propylamino] - 2 - methoxyacridine and its production. A. R. Surrey. 2,531,013, Nov. 21.
9-[2-(2-hydroxyethylamino)ethylamino] acridine and its production. A. R. Surrey. 2,531,010, Nov. 21.
9-[2-(2 - hydroxyethylamino) - ethylamino] - 2 - methoxyacridine and its production. A. R. Surrey. 2,531,012, Nov. 21.
19-nordesoxycorticosterone. M. R. Ehrenstein. 2,496,450, Feb. 7.
Nippers with retainer for work clippings. G. E. Sorensen. 2,521,027, Sept. 5.
Nipple, Nursing. J. Little. 2,520,157, Aug. 29.
Nipple, Nursing. H. J. Searer. 2,513,896, July 4.
Nipple punch, Baby bottle. P. N. Slick. 2,534,076, Dec. 12.
Nitrating kerosene. F. Fiala, Sr. 2,511,433, June 13.
Nitration of O-substituted aromatic amines. B. G. Zimmerman. 2,525,508, Oct. 10.
Nitration of paraffins. R. B. Bishop, W. I. Denton, and E. M. Nygaard. 2,511,454, June 13.
Nitrile condensation products from cyanobutadiene, Production of. S. J. Allen and J. G. N. Drewitt. 2,527,509, Oct. 31.
Nitrile substituted dithiocarbamate derivatives. M. W. Harman. 2,520,280, Aug. 29.
Nitriles from butadiene and hydrogen cyanide. D. D. Coffman, L. F. Salisbury, and N. D. Scott. 2,509,859, May 30.
Nitriles from isobutylene-nitrosyl chloride adduct. E. J. Prill. 2,528,708, Nov. 7.
Nitriles, Manufacture of. R. H. Potts. 2,524,831, Oct. 10.
Nitriles, Manufacture of. A. W. Ralston, O. Turinsky, and C. W. Christensen. 2,526,044, Oct. 17.
Nitriles, Production of. J. N. Cosby and M. Erchak, Jr. 2,499,055, Feb. 28.
Nitriles, Production of. W. I. Denton. 2,496,661, Feb. 7.
Nitriles, Production of. W. I. Denton and R. B. Bishop. 2,496,659, Feb. 7.
Nitriles, Production of. W. I. Denton and C. J. Plank. 2,518,295, Aug. 8.
Nitriles, Production of. J. E. Mahan. 2,500,256, Mar. 14.
Nitriles, Production of. J. E. Mahan. 2,525,818, Oct. 17.
Nitriles, Production of. F. Porter, M. Erchak, Jr., and J. N. Cosby. 2,510,605, June 6.
Nitriles, Production of olefinic. H. S. Davis and E. L. Carpenter. 2,500,403, Mar. 12.
Nitrite ester diluent polymerization process. D. W. Young and H. D. Hineline. 2,507,133, May 9.
Nitroalcohol phosphate curing catalyst for aminoplasts. H. J. West. 2,526,179, Oct. 17.
Nitroalkanephosphonates. P. O. Tawney. 2,535,175, Dec. 26.
Nitrocellulose emulsions, Preparation of. H. C. Phillips. 2,510,834, June 6.
Nitro derivative of tertiary butyl ethyl anisole. T. F. Wood. 2,493,797, Jan. 10.
Nitro-distyrylbenzene-disulfonic acids and making same. E. Keller and R. Zweidler. 2,527,426, Oct. 24.
Nitrodithioacetates as fungicides. E. E. Gilbert. 2,513,018, June 27.
Nitro-hydrogenated cardanols and preparing same. C. R. Dawson and D. Wasserman. 2,502,708, Apr. 4.
Nitro malonic esters, Substituted. D. I. Weisblat and D. A. Lyttle. 2,528,928, Nov. 7.
Nitro olefins, Production of. C. W. Scaife and H. Baldock. 2,495,424, Jan. 24.
Nitrophenyl acylamino acyloxy ketones. L. M. Long. 2,515,241, July 18.
Nitrophenyl ketonic amino alcohols. L. M. Long. 2,515,240, July 18.
Nitro-thiophanthraquinones. H. R. Lee and V. Weinmayr. 2,501,131, Mar. 21.
Nitro-(2'-thenoyl)-alkyl benzoates. E. K. Gladding. 2,519,040, Aug. 15.
Nitro-(2-thenoyl)-O-benzoic acids. H. R. Lee and V. Weinmayr. 2,513,573, July 4.
Nitrogen-containing polymers, Linear. R. W. Moncrieff. 2,512,667, June 27.
Nitrogen-containing polymers, Production of. J. W. Fisher and E. W. Wheatley. 2,512,626, June 27.
Nitrogen-containing polymers, Production of. J. W. Fisher and E. W. Wheatley. 2,512,632, June 27.
Noise filter. W. M. Robinson. 2,506,971, May 9.
Noise limiter. J. C. Coe. 2,518,449, Aug. 15.
Noise limiting video circuit. A. V. Bedford. 2,514,117, July 4.
Noise reducing hearing aid case. S. F. Lybarger. 2,524,393, Oct. 3.
Noise-reducing pulse-echo locating equipment. J. E. Keister. 2,494,339, Jan. 10.
Noise-reduction system. J. R. Alburger. 2,512,785, June 27.
Noise suppression circuit. R. E. Frazier. 2,512,637, June 27.
Noise suppression means for communication receiving apparatus. K. E. Doriot. 2,531,505, Nov. 28.
Noise suppression means for communication receiving apparatus. J. E. Werner and H. D. Bechtol. 2,509,381, May 30.
Noise suppressor tube. B. S. Parker. 2,501,913, Mar. 28.
Noncatalytic alkylation under high pressure. F. R. Russell. 2,519,072, Aug. 15.
Noncrushable lunch box pie container. E. M. Brooks and V. A. Jeffries. 2,525,337, Oct. 10.
Noncrystalline synthetic resin holder. C. B. Leape. 2,495,173, Jan. 17.
Nondusting compositions for stabilizing diazo salts. H. A. Bergstrom. 2,527,347, Oct. 24.
Nonflammable hydraulic fluid. G. H. Denison, Jr., N. W. Furby, and R. O. Bolt. 2,528,348, Oct. 31.
Nonfoaming compositions. G. H. B. Davis and J. C. Zimmer. 2,515,115, July 11.
Nonpyrogenic medical absorbent wadding, Preparing. C. Chavanon. 2,518,123, Aug. 8.
Nonrefillable attachment. N. Archidiacano. 2,504,103, Apr. 18.
Nonreturn flow valve. W. D. Nuenemann. 2,516,247, July 25.
Nonrigid pipe coupling. T. C. Gray. 2,511,158, June 13.
Nonskid device. O. E. Williams. 2,494,850, Jan. 17.
Nonskid tire chain. F. G. Fox. Re. 23,221, Apr. 25.
Nonsparking switch. M. J. Sakatos. 2,499,420, Mar. 7.

Nonspill liquid container. E. D. Cerruti. 2,511,493, June 13.
Nonsticking back-pressure valve. C. J. Callahan. 2,514,838, July 11.
Nontipping ink bottle holder. S. C. Grunewald. 2,501,675, Mar. 28.
Nonwoven material, Making. L. G. Egger. 2,534,113, Dec. 12.
Noodle machine. J. L. Mariani. 2,504,339, Apr. 18.
Norcamphor, Preparing. L. Schmerling. 2,500,385, Mar. 14.
Nose and mouth protector. T. Hyghlago. 2,515,009, July 11.
Nose gear down lock. J. R. Clark and R. D. Pickett. 2,511,528, June 13.
Nose structure for projectiles. R. G. Ferris and S. H. Dike. 2,513,157, June 27.
Notching device. T. Loew. 2,530,830, Nov. 21.
Notching machine. G. G. Christensen. 2,526,851, Oct. 24.
Notebook clamp. R. M. Faulkner. 2,532,487, Dec. 5.
Novel esters of beta-hydroxy carboxylic acids by the reaction of beta-lactones with phenols, Preparation of. W. L. Beears. 2,526,533, Oct. 17.
Novelty and amusement device. A. Goldfarb. 2,504,679, Apr. 18.
Novelty and paperweight, Crystal. W. M. Snyder. 2,518,502, Aug. 15.
Novelty box. B. and G. J. Klein. 2,511,211, June 13.
Novelty box. A. E. Ruffin. 2,501,694, Mar. 28.
Novelty, Candy containing. J. H. Millstein. 2,532,729, Dec. 5.
Novelty device. A. F. Taborski. 2,510,323, June 6.
Novelty device, Ornamental. S. H. Burger. 2,506,197, May 2.
Nozzle. G. A. Borg. 2,525,640, Oct. 10.
Nozzle. H. S. Bower. 2,531,666, Nov. 28.
Nozzle. B. G. Copping. 2,511,529, June 13.
Nozzle, Adjustable. E. J. Marshall. 2,513,503, July 4.
Nozzle adjustment, Suction cleaner. G. R. Coss. 2,509,964, May 30.
Nozzle, Aerosol dispensing. R. A. Fulton and J. H. Fales. 2,517,555, Aug. 8.
Nozzle, Airfoam. C. H. Lindsay. 2,513,417, July 4.
Nozzle and porting for combustion chamber liners, Air. K. D. McMahan. 2,510,645, June 6.
Nozzle and tip for burning and welding torches. A. K. Hinchman. 2,517,877, Aug. 8.
Nozzle, Atomizing. W. W. Hallinan. 2,503,481, Apr. 11.
Nozzle attachment for tanks. R. H. Davies. 2,519,358, Aug. 22.
Nozzle attachment, Hose. L. E. Cunningham. 2,505,101, Apr. 25.
Nozzle, Automatic filling. C. P. Gravelle. 2,528,747, Nov. 7.
Nozzle, Carburetor. H. A. Boller. 2,512,085, June 20.
Nozzle, Compound. J. T. Strauss. 2,521,490, Sept. 5.
Nozzle construction for use in the pneumatic handling of flour and the like. R. A. Norbom. 2,502,740, Apr. 4.
Nozzle construction, Liquid-fuel burner. J. Checkon. 2,515,494, July 18.
Nozzle, Flat spray. F. W. Wahlin. 2,530,671, Nov. 21.
Nozzle, Flow control. K. C. Whitefield. 2,498,516, Feb. 21.
Nozzle, Fog. T. W. Burnam. 2,499,092, Feb. 28.
Nozzle, Fog. T. J. Gothard. 2,503,722–3, Apr. 11.
Nozzle, Fog producing spray. H. W. Causer. 2,495,208, Jan. 24.
Nozzle for cutting torches. R. Pach. 2,499,524, Mar. 7.
Nozzle for fire fighting spray guns, Valved. R. G. Pulver and C. J. Griffith. 2,527,891, Oct. 31.
Nozzle for fixed combustion chambers, Rotatable discharge. R. H. Goddard. 2,510,570, June 6.
Nozzle for gas turbines, Adjustable jet propulsion. A. H. Redding and D. W. Hutchinson. 2,516,909, Aug. 1.
Nozzle for intrafold ice cream, Extrusion. A. E. Hershey and J. F. Grissinger. 2,531,127, Nov. 21.
Nozzle for jet propulsion units, Adjustable jet. G. Oulianoff. 2,523,842, Sept. 26.
Nozzle for liquids with automatic limitation of the level of the liquid and automatic resetting, Filling. E. Piquerez. 2,527,760, Oct. 31.
Nozzle for meteorological balloons, Lift-calibrating. W. L. Dawbarn. 2,524,562, Oct. 3.
Nozzle for paints and the like, Spray. E. E. Du Fay. 2,527,093, Oct. 24.
Nozzle for power plants, Variable area exhaust. D. W. Hutchinson. 2,514,393, July 11.
Nozzle for sole cementing, Broad flexible. W. L. MacKenzie. 2,514,404, July 11
Nozzle for striping machine. S. B. Beugler. 2,528,573, Nov. 7.
Nozzle for suction cleaner. E. O. Norris. 2,516,246, July 25.
Nozzle for suction cleaners. K. A. Kendrick. 2,528,278, Oct. 31.
Nozzle for suction cleaners. C. H. Taylor. 2,495,875, Jan. 31.
Nozzle for two combustion liquids, Expanded conical. R. H. Goddard. 2,532,711, Dec. 5.
Nozzle, Fuel injection. R. K. Weldy. 2,512,557, June 20.
Nozzle, Grid spray. E. J. Nutter. 2,493,017, Jan. 3.
Nozzle head for injection molding. A. F. Cossette. 2,500,401, Mar. 14.
Nozzle, Liquid atomizing. G. N. Miles. 2,524,820, Oct. 10.
Nozzle member used for the drying of textile and other materials. J. Dungler. 2,492,974, Jan. 3.
Nozzle, Mixing. C. T. Kemp. 2,507,410, May 9.
Nozzle of the automatic shutoff type, Hose. J. A. Logan and E. V. Lavallee. 2,528,697, Nov. 7.
Nozzle, Overshot. W. E. Snowden and H. F. Raynor. 2,494,067, Jan. 10.
Nozzle, Oxy-fuel gas powder laden cutting oxygen. E. M. Holub. 2,504,526, Apr. 18.
Nozzle, Oxygen jet metal-cutting. C. Dod. 2,517,641–2, Aug. 8.
Nozzle plate, Distributor. A. F. Stephens. 2,523,074, Sept. 19.
Nozzle, Pneumatic cotton picker. T. D. Stanton. 2,499,693, Mar. 7.
Nozzle, Pressure-responsive burner. A. F. Schumann. 2,519,200, Aug. 15.
Nozzle, Quick-change slush. C. C. Goolsbee. 2,519,648, Aug. 22.
Nozzle, Quick-change slush. C. C. Goolsbee. 2,520,362, Aug. 29.
Nozzle, Quick-change slush. C. C. Goolsbee and D. W. Wallace. 2,525,667, Oct. 10.
Nozzle, Quick-change slush. J. C. Stokes and C. C. Goolsbee. 2,531,749, Nov. 28.
Nozzle, Rug. A. H. Beede. 2,511,238, June 13.
Nozzle, Sand delivery pipe. G. S. Turner, Jr. 2,528,801, Nov. 7.
Nozzle, Self-sustaining fog. S. R. Wilson and G. Kraulik. 2,515,578, July 18.
Nozzle skirt for blast guns. W. L. Keefer. 2,503,743, Apr. 11.
Nozzle, Spiral film spray. J. U. Bete. 2,518,116, Aug. 8.
Nozzle, Splined diffuser. R. J. Pagliuso. 2,511,368, June 13.
Nozzle, Spray. A. H. Bahnson, Jr. 2,499,084, Feb. 28.
Nozzle, Spray. T. F. Barr and C. W. Doughman. 2,524,097, Oct. 3.
Nozzle, Spray. L. Fletcher. 2,499,021, Feb. 28.
Nozzle, Spray. R. H. Goddard. 2,526,220, Oct. 17.
Nozzle, Spray. A. C. Rowley. 2,502,755, Apr. 4.
Nozzle, Spray. A. C. Rowley. 2,511,945, June 20.
Nozzle, Spray gun. B. W. Mantle. 2,511,356, June 13.
Nozzle, Spray or atomizer. F. A. Simmons. 2,493,209, Jan. 3.
Nozzle, Spraying, J. M. Carroll. 2,522,928, Sept. 19.
Nozzle sprinkler attachment. A. W. Barker. 2,527,388, Oct. 24.
Nozzle, Suction cleaner. E. H. Yonkers, Jr. 2,510,270, June 6.
Nozzle, Tank car. C. E. Reedy. 2,496,677, Feb. 7.
Nozzle tester. A. J. Cole. 2,517,766, Aug. 8.
Nozzle, Thermostatically controlled atomizing. W. W. Hallinan. 2,508,788, May 23.
Nozzle, Thermostatically controlled, constant output atomizing fuel. W. W. Hallinan. 2,513,720, July 4.
Nozzle, Two-way. Y. K. Arase. 2,502,500, Apr. 4.
Nozzle, Vacuum cleaner. J. J. Uber. 2,517,058, Aug. 1.
Nozzle, Vacuum cleaner. E. A. Wright. 2,534,189, Dec. 12.
Nozzle valve. C. E. Hawk and K. J. Walker. 2,515,085, July 11.
Nozzle, Valve controlled multiple outlet. H. S. Garabedian. 2,493,719, Jan. 3.
Nozzle, Variable area. L. E. Telbizoff. 2,531,896, Nov. 28.
Nozzle, Water filling. E. W. Narramore. 2,503,762, Apr. 11.
Nozzle with flame control means, Burner. C. W. Smith. 2,535,166, Dec. 26.
Nozzle with valved whirl plunger, Spray. R. G. Pulver. 2,519,283, Aug. 15.
Nozzle with variable opening, Rug. A. H. Beede. 2,500,977, Mar. 21.
Nozzle, Zero-moment swivel. D. C. Warren. 2,501,639, Mar. 21.
Nuclear halogenation of thiophene. L. W. Devaney. 2,533,098, Dec. 5.
Nucleating agent and use of same in hydrolyzing titanium salt solutions in production of titanium oxide product, Preparing. C. A. Tanner, Jr. 2,516,604, July 25.
Null-balance frequency meter. G. H. Stoner, and C. K. Stedman. 2,523,399, Sept. 26.
Null indicator. R. B. White, Jr. 2,512,702, June 27.
Number comparing device, Multidigit. E. Kouzmine. 2,501,821, Mar. 28.
Numbering machine. E. Persson. 2,516,721, July 25.
Nursing bottle cap. C. B. Lage. 2,525,360, Oct. 10.
Nursing bottle holder. H. B. and L. D. Brose. 2,510,953, June 13.
Nursing bottle holder. Z. M. and I. R. Cain. 2,518,862, Aug. 15.
Nursing bottle holder. L. A. Curry and A. M. Denegan. 2,526,121, Oct. 17.
Nursing bottle holder. W. J. Parent. 2,530,478, Nov. 21.
Nursing bottle holder. R. Rodin. 2,494,632, Jan. 17.
Nursing bottle holder. H. W. Seiger. 2,499,930, Mar. 7.
Nursing container. W. J. Rigby, and T. R. Baxter. 2,524,012, Sept. 26.
Nursing device. A. M. Allen. 2,517,457, Aug. 1.
Nursing device. M. G. Hoffman. 2,531,570, Nov. 28.
Nursing unit. K. H. Wycoff. 2,525,745, Oct. 10.

Nursing unit, Wide mouth. A. M. Allen. 2,497,198, Dec. 14.
Nursing unit with flow adjustment means. H. J. Revane. 2,495,548, Jan. 24.
Nut and fruit gatherer. P. H. Balsbaugh. 2,503,990, Apr. 11.
Nut and making the same, Self-locking. M. Hattan. 2,497,081, Feb. 14.
Nut and screw assembly, Ball. R. P. Means, Jr. 2,505,131, Apr. 25.
Nut and screw operated wrench, Slidable-jaw. A. D. Shoemaker. 2,503,515, Apr. 11.
Nut and washer placing tool. C. N. Raup. 2,502,025, Mar. 28.
Nut and washer, Self-locking. E. W. Pummill. 2,520,259, Aug. 29.
Nut applying device. J. C. Baxter. 2,513,780, July 4.
Nut, Back-off. T. F. Eserkaln and C. L. Qualler. 2,508,237, May 16.
Nut butter, Manufacture of. G. A. Fisher. 2,496,461, Feb. 7.
Nut butter, Manufacture of. P. J. Mitchell, Jr. 2,521,243, Sept. 5.
Nut butter, Stabilized. J. F. Vincent. 2,511,136, June 13.
Nut butters, Manufacturing stabilized. F. L. Avera. 2,504,620, Apr. 18.
Nut, Captive. F. L. McLaughlin. 2,513,037, June 27.
Nut conveying and hold-down means for nut halving machines. E. J. Patterson. 2,498,962, Feb. 28.
Nutcracker. D. M. Potter. 2,523,997, Sept. 26.
Nutcracker. C. L. Rimes. 2,526,273, Oct. 17.
Nut cracker with a reciprocating jaw. R. E. Early. 2,521,050, Sept. 5.
Nutcracker with reciprocating breaker jaw, Mechanical. L. R. Gehrke. 2,505,538, Apr. 25.
Nutcracker with shields, Hand-operated. V. Thompson. 2,521,552, Sept. 5.
Nut cracking and shelling machine. A. D. Goodwin. 2,500,675, Mar. 14.
Nut cracking apparatus, Continuous flow. F. M. Baldwin. 2,504,374, Apr. 18.
Nut-cracking machine. A. D. Adamopoulos. 2,524,646, Oct. 3.
Nut emulsion, Aqueous. J. H. Mitchell, Jr. 2,511,119, June 13.
Nut engaging inserts for socket wrenches and box end wrenches, Interlocking. C. L. Phipps. 2,502,587, Apr. 4.
Nut for conduits, Self-locking and wire-protecting. T. A. Hill. 2,509,768, May 30.
Nut for lead screws. F. G. Costello. 2,495,409, Jan. 24.
Nut for notched bolts, Self-locking. A. C. Sample. 2,521,257, Sept. 5.
Nut for threaded rods, Resilient. W. A. Schaper. 2,503,219, Apr. 4.
Nut gripping wrench. J. S. Marshall. 2,528,068, Oct. 31.
Nut hulling machine. J. L. Selman. 2,522,843, Sept. 19.
Nut, Lock. R. W. Luce. 2,529,093, Nov. 7.
Nut product, Free-flowing. W. A. Lazier and J. F. Vincent. 2,511,115, June 13.
Nut retainer assembly. K. Reiner. 2,524,176, Oct. 3.
Nut runner. R. W. Bailey and J. T. Faull. 2,509,123, May 23.
Nut, Self-locking. M. Hattan. 2,515,220, July 18.
Nut setter, Power-operated. E. H. Shaff. 2,507,737, May 16.
Nut, Sheet metal. H. W. Kost. 2,494,882, Jan. 17.
Nut starting wrench. C. J. Weyrauch. 2,496,762, Feb. 7.
Nut tapping machine. W. Hucal. 2,527,480, Oct. 24.
Nuts, Manufacturing self-locking. H. F. Gade. 2,501,040, Mar. 21.
Nuts, Roasting whole. G. A. Fisher. 2,496,462, Feb. 7.
Nutting machine. D. Buccicone. 2,519,434, Aug. 22.
Nutation type motor. W. L. Hansen and J. M. Hush. 2,509,391, May 30.
Nutator. F. D. Werner. 2,498,056, Feb. 21.
Nutritional and conditioning composition for baked wheat flour products. J. J. Handler and D. B. Pratt, Jr. 2,530,056, Nov. 14.
Nylon and cellulosic yarn patterned fabric, Producing. H. I. Huey and W. W. Russell. 2,509,146, May 23.
Nylon article rendered self-sterilizing by treatment with an aryl mercuric compound and making it. G. F. D'Alelio and H. D. Addison. 2,507,299, May 9.
Nylon immunized against dyes by sulfurized phenols. W. Flügel, H. M. Hemmi, K. Hofer, and A. Mikula. 2,533,100, Dec. 5.
Nylon of low thermoextensibility, Production of. J. B. Miles. 2,509,740, May 30.
O-alkylimino ethers, Producing. R. E. Benson. 2,516,293, July 25.
o- and m-hydroxybenzamidobenzaldehydes and their acetals with lower alkanols and alkanediols. E. L. Martin. 2,518,704, Aug. 15.
O,O'-di(nicotinamido) diphenylsulfides. E. O. Hook. 2,502,150, Mar. 28.
Oar. F. Bienert. 2,530,754, Nov. 21.
Oarlock. A. J. Norman. 2,520,558, Aug. 29.
Oarlock. A. L. Shutter. 2,529,357, Nov. 7.
Oarlock. L. E. Slavin. 2,523,849, Sept. 26.
Oarlock. Ball-and-socket type. R. S. Travis. 2,518,648, Aug. 15.
Oarlock, Universal actuating. R. R. Agner. 2,519,621, Aug. 22.
Oar, Metal. E. S. Swenson and E. W. Schwanz. 2,527,040, Oct. 24.
Object detection system. W. A. Miller. 2,503,060, Apr. 4.
Object locating system. H. T. Budenbom. 2,515,332, July 18.
Object locator. E. B. Ferrell. 2,527,624, Oct. 31.
Object supporting means. J. W. Goss. 2,532,162, Nov. 28.
Objective having two outer positive components and two inner negative meniscus components with one cemented surface, Large aperture spherically corrected. C. G. Wynne. 2,499,264, Feb. 28.
Objective mount. F. E. Altman and J. A. Blash. 2,529,894, Nov. 14.
Obstacle avoidance system. W. A. Ayres. 2,499,349, Mar. 7.
Obstruction clearing device for suction dredges. P. M. Enright. 2,530,951, Nov. 21.
Obtaining amides of polyhydroxy acids containing a sugar group. H. S. Isbell and H. L. Frush. 2,504,984, Apr. 25.
Obtaining bodied drying and semidrying oils. B. C. Pratt. 2,516,590, July 25.
Obtaining color registry in offset printing. H. C. Kessler, Jr. 2,499,100, Feb. 28.
Obtaining color separations from multilayer photographic film. A. B. Jennings. 2,511,112, June 13.
Obtaining emission impulses of constaant width and amplitude in a target detector. H. Gutton. 2,513,478, July 4.
Obtaining fatty alcohols from their esters. S. Steinberger. 2,506,473, May 2.
Obtaining febrifugine alkaloids. J. B. Koepfli, J. F. Mead, and J. A. Brockman, Jr. 2,504,847, Apr. 18.
Obtaining high velocity with crystals. W. P. Mason. 2,514,080, July 4.
Obtaining highly-purified streptomycin acid-addition salts. O. Wintersteiner and J. Fried. 2,501,014, Mar. 21.
Obtaining large grain size in silicon steel. E. W. Oppenheimer and J. E. Lucas. 2,533,394, Dec. 12.
Obtaining mica. W. M. Mattson. 2,498,111, Feb. 21.
Obtaining organic amino diols. G. W. Moersch and A. C. Moore. 2,513,346, July 4.
Obtaining rudder control. J. M. Nissen. 2,510,133, June 6.
Obtaining transparent effects on regenerated cellulose fibers. P. W. Steinlin. 2,506,040–6, May 2.
Obtaining vinyl chloride styrene polymers. A. W. Larchar. 2,532,727, Dec. 5.
Occupant propelled vehicle. E. A. Eskola. 2,493,124, Jan. 3.
Octachlorothiolane, Production of. H. L. Coonradt and H. D. Hartough. 2,504,068, Apr. 11.
Octahydrophenanthrene-2-carboxylic acids and derivatives thereof. K. Miescher, J. Heer, J.-R. Billeter, and G. Anner. 2,534,466, Dec. 19.
Ocular diagnostic instrument having visual target means. W. H. Glazer. 2,523,007, Sept. 19.
Odds computing means for race totalizators. E. T. Both. 2,532,693, Dec. 5.
Odograph. A. G. McNish and B. Tuckerman. 2,533,029, Dec. 5.
Odograph. F. Q. Rast and A. B. Benson. 2,502,991, Apr. 4.
Odometer and ignition switch, Combination. O. E. Becker. 2,497,340, Feb. 14.
Odontalgic device. M. Negri. 2,493,416, Jan. 3.
Off spot pin detecting and sweep control mechanism for bowling pin spotting machines. G. J. Schmidt. 2,514,457, July 11.
Office arrangement, Fringe. R. E. Hersey. 2,494,475, Jan. 10.
Office equipment for handling large binders. F. S. Schade. 2,527,277, Oct. 24.
Oil alkyd resins and making same, Ester modified drying. J. B. Rust and W. B. Canfield. 2,530,316, Nov. 14.
Oil-alkyd resins and making them, Modified drying. J. B. Rust and W. B. Canfield. 2,530,315, Nov. 14.
Oil and gas separator. W. P. Munk. 2,528,448, Oct. 31.
Oil and gas separator. E. R. Williams. 2,493,095, Jan. 3.
Oil and meal from fish offal, Producing. O. Notevarp. 2,497,367, Feb. 14.
Oil base coatings. H. A. Hoffman. 2,524,291, Oct. 3.
Oil base, Soluble. K. F. Schiermeier. 2,516,838, Aug. 1.
Oil-bath air cleaner. D. C. R. Lee, E. M. Bosson, and C. G. Vokes. 2,509,510, May 30.
Oil burner. J. M. Carroll. 2,531,027, Nov. 21.
Oil burner. M. E. Palsgrove. 2,512,374, June 20.
Oil burner. E. A. Robinette. 2,506,841, May 9.
Oil burner, Including a vertically adjustable float chamber, Conversion. W. W. Every. 2,527,921, Oct. 31.
Oil burner pot supporting means for heaters. H. Weyenberg and W. R. Kimberley. 2,515,919, July 18.
Oil-burning heater. O. C. Griewank. 2,499,308, Feb. 28.
Oilcan. T. Johnson. 2,531,980, Nov. 28.
Oilcan operator. W. G. Templeton. 2,526,436, Oct. 17.
Oil, Colored lubricating. R. G. Mastin. 2,508,617, May 23.
Oil composition, Lubricating. D. E. Badertscher, C. F. Feasley, and H. G. Berger. 2,498,863, Feb. 28.
Oil compositions containing amine salts of boro-diol complexes. C. E. Trautman. 2,497,521, Feb. 14.

Oil compositions, Lubricating. E. Lieber. 2,529,300, Nov. 7.
Oil, Compounded lubricating. J. R. Griffin, Jr., and P. R. Van Ess. Re. 23,229, May 9.
Oil concentrates of biological toxicants, Emulsifiable. R. A. Kaberg and J. S. Harris. 2,509,233, May 30.
Oil cooler. R. A. Richter. 2,513,363, July 4.
Oil cooler and air conditioning device for automotive vehicles, Combination. A. J. Audet. 2,531,019, Nov. 21.
Oil dilution and by-pass control system. E. C. Warrick and H. Cruzan. 2,525,191, Oct. 10.
Oil dispensing pump. H. M. Hanks. 2,520,398, Aug. 29.
Oil draining device, Portable. M. Burress. 2,531,765, Nov. 28.
Oil driven turbine motor vehicle wheel. A. Shepelrich. 2,529,787, Nov. 14.
Oil drum tumbling device. J. F. Black. 2,510,858, June 6.
Oil, Drying. R. A. Carleton. 2,517,838, Aug. 8.
Oil eduction, Shale. C. H. O. Berg. 2,501,153, Mar. 21.
Oil emulsion treater. J. A. Lyne. 2,521,859, Sept. 12.
Oil filling and breather tube. J. S. Pates. 2,500,859, Mar. 14.
Oil films, Producing. J. E. Vallerie. 2,496,362, Feb. 7.
Oil filter. W. G. Burhans. 2,522,565, Sept. 19.
Oil filter. V. Sager. 2,507,818, May 16.
Oil filter. J. W. Wilkinson. 2,511,800, June 13.
Oil filter. H. C. Zaun. 2,525,330, Oct. 10.
Oil, Flushing. J. W. Starrett. 2,495,030, Jan. 17.
Oil for use in rolling metal, Lubricating. P. J. Doyle and C. H. Flickinger. 2,508,016, May 16.
Oil from fish liver, Process and apparatus for producing. K. J. Sarland. 2,507,614, May 16.
Oil-gas Diesel engine. L. D. Calhoun. 2,509,960, May 30.
Oil gauge. J. H. Caddell. 2,522,988, Sept. 19.
Oil manifold warmer. C. T. Freed. 2,530,547, Nov. 21.
Oil, Modified lubricating. R. W. Mertes. 2,501,731–2, Mar. 28.
Oil pressure control and warning device. A. C. Korte and A. N. Szwargulski. 2,497,029, Feb. 7.
Oil pressure regulator. L. D. Cahill. 2,496,577, Feb. 7.
Oil reconditioning or clarifying apparatus. D. H. Palmer. 2,496,888, Feb. 7.
Oil retainer for crankcase oil dippers. H. L. Thompson. 2,498,019, Feb. 21.
Oil saver. W. J. Cordes. 2,513,714, July 4.
Oil saver and drilling control. L. S. Sorensen. 2,502,803, Apr. 4.
Oil saving device. E. O. Kunkel. 2,526,957, Oct. 24.
Oil, Screen. W. C. Morris. 2,501,646, Mar. 21.
Oil, Screen. W. C. Morris and S. Z. Cardon. 2,505,740, Apr. 25.
Oil sealing means for starters. R. M. Nardone. 2,503,350, Apr. 11.
Oil soluble resins. T. P. Malinowski. 2,517,222, Aug. 1.
Oil soluble tri-(substituted-mercapto)-antimonous acids. L. W. Clemence and M. T. Leffler. 2,510,738, June 6.
Oil, Soybean. J. L. Jakobsen. 2,508,919, May 23.
Oil supply system, Lubricating. C. B. Sues. 2,500,716, Mar. 14.
Oil system for presses, Circulating. P. H. and G. I. Danly, and V. Georgeff. 2,511,972, June 20.
Oil thrower for dynamoelectric machines. G. D. Willits. 2,524,555, Oct. 3.
Oil toxicant, Insecticide base. W. A. Beman, R. B. Killingsworth, and A. C. Pabst. 2,502,366, Mar. 28.
Oil, Watch. J. S. Martin, Jr. 2,534,611, Dec. 19.
Oil well blowout preventer. A. H. Bell. 2,504,377, Apr. 18.
Oil well derrick substructure. H. J. Woolslayer and C. Jenkins. 2,516,739, July 25.
Oil well filter. E. H. Breaux. 2,530,223, Nov. 14.
Oil well fishing tool. V. M. Stone. 2,507,058, May 9.
Oil well formation tester. R. H. Blood and B. W. Sewell. 2,521,332, Sept. 5.
Oil well formation tester. P. S. Williams. 2,511,759, June 13.
Oil well furnace. C. H. O. Berg and P. H. Jones. 2,506,853, May 9.
Oil well hook. C. M. Roberson. 2,519,288, Aug. 15.
Oil well valve. B. F. Hill. 2,512,744, June 27.
Oiler, Baby. D. E. Sullivan. 2,496,071, Jan. 31.
Oiler device. F. W. Edwards. 2,534,427, Dec. 19.
Oiler, Drip feed. G. W. Leiman. 2,514,882, July 11.
Oiler for percussive tools. P. H. Nast. 2,512,366, June 20.
Oiler for pneumatic tools and the like. J. G. Myers. 2,515,417, July 18.
Oiler, Hand pump. R. F. Zaroban. 2,498,228, Feb. 21.
Oiler, Multiple. E. W. Davis. 2,523,899, Sept. 26.
Oiling device for bearings. H. Hornschurch. 2,515,153, July 11
Oiling means, Pump. E. Rawson. 2,495,601, Jan. 24.
Oiling system. E. W. Davis. 2,499,571, Mar. 7.
Oiling system for lifts. W. de Back. 2,504,661, Apr. 18.
Oils and making same, Certain oxyalkylated blown. M. De Groote and B. Keiser. 2,510,335, June 6.
Oils and making same from clay tower polymers, Drying. V. Schneider. 2,505,148, Apr. 25.
Oils, Foam inhibited. V. N. Borsoff and J. O. Clayton. 2,528,465–6, Oct. 31.
Oils, Preparing synthetic drying. J. C. Zimmer and J. H. Bartlett. 2,529,322, Nov. 7.
Oils to wrinkling oils, Polymerizing nonwrinkling. G. M. Williams. 2,528,936, Nov. 7.
Oils, Wrinkling. G. M. Williams. 2,528,937, Nov. 7.
Ointment base of glycerine with phosphatide and pitrolatum. A. Taub and M. Mattikow. 2,532,206, Nov. 28.
Ointment containing bentonite. W. S. McClenahan, and H. A. Nelson. 2,523,316, Sept. 26.
Oleaginous materials, Stabilized. L. O. Buxton and C. E. Dryden. 2,511,427, June 13.
Oleaginous suspension, Permanently pumpable. P. J. Mitchell, Jr. 2,521,242, Sept. 5.
Olefinic compounds, Preparation of. C. A. Bordner. 2,504,919, Apr. 18.
Olefinic copolymers, Blended. E. C. Chapin and G. E. Ham. 2,520,083, Aug. 22.
Olefinic copolymers, Blended. G. E. Ham. 2,520,086, Aug. 22.
Olefinic polymerization in the presence of fluorine compounds. J. S. Saylor, Jr. 2,494,585, Jan. 17.
Olefins, Polymerization of. A. H. Friedman. 2,529,010, Nov. 7.
Olefins, Producing. W. O. Keeling. 2,520,149, Aug. 29.
Oleomargarine package. L. Peters. 2,532,513, Dec. 5.
On-off check valve. B. N. Ashton and W. B. Westcott, Jr. 2,524,952, Oct. 10.
1-acetyl-2-methyl-2-chloromethylcyclopropane. K. E. Wilzbach. 2,497,483, Feb. 14.
1 - acylamino - 4 - [(N - dialkylamino) - sulfonamidobenzoylamino]-anthraquinones. W. Jenny and W. Kern. 2,506,023, May 2.
1-acyloxy-4,7-methano-3a,4,7,7a-tetrahydro-4,5,6,7,8,8-hexachloroindenes and producing the same. S. H. Herzfeld and E. P. Ordas. 2,528,655, Nov. 7.
1-acyloxy-3-butene-2-ones, Producing. J. M. Wilkinson, Jr. 2,524,025, Sept. 26.
1-acyloxy-2-butyne-4-ols. J. M. Wilkinson, Jr. 2,520,750, Aug. 29.
1-alkoxy-1-aryloxy-2,2,3-trichloro-N-butanes. W. D. Harris and T. W. Kerr. 2,508,917, May 23.
1-alkyl-benzylaminopiperidines and their production. R. H. Reitsema. 2,496,958, Feb. 7.
1-alkyl-4-(beta-hydroxyethylamino)-piperidines. R. H. Reitsema. 2,496,956, Feb. 7.
1,alkyl-4-hydroxypiperidine esters. H. Martin and A. Margot. 2,507,449, May 9.
1-alkyl-4-hydroxy-piperidine esters of alkyl substituted acetic acids. H. Martin and A. Margot. 2,506,605, May 9.
1-alkyl 4-phenylpiperidyl 4-ketones, Production of. K. Miescher and H. Kaegi. 2,517,695, Aug. 8.
1-alkyl-4-pyrrolidinoethylaminopiperidines. R. H. Reitsema. 2,496,955, Feb. 7.
1-alkyl-(N-benzyl-N-alphapyridylamino)-piperidines and their production. R. H. Reitsema. 2,496,957, Feb. 7.
1-alkylsulfonyl-4-alkyl piperazines. R. M. Jacob. 2,507,408, May 9.
1-alkyl-2,5-dimethylpyrrolidines. A. W. Ralston and J. Harwood. 2,497,839, Feb. 14.
1-alkyl-2-phenyl-3-alkyl indanes and manufacture. U. V. Solmssen. 2,493,729, Jan. 3.
1-(aminoalkyl)-1,2,3,4-tetrahydrofluoranthenes and their production. K. Hoffmann and E. Tagmann. 2,513,487, July 4.
1-amino-4-bromo-anthraquinone-2-sulfonic acid, Preparing. W. Freudenberg. 2,503,254, Apr. 11.
1-aryl-5-pyrazolone azo compounds. R. D. Kleene. 2,512,251, June 20.
1-ascorbic acid, Purification of. H. H. Bassford, Jr., and W. S. Harmon. 2,517,276, Aug. 1.
1 - benzoylamino - 4 - (3′sulfonamido) - benzoylaminoanthraquinones and their preparation. W. Jenny and W. Kern. 2,506,024, May 2.
1-branched lower alkyl-4-phenyl-4-acyloxy-piperidines and their acid addition salts. J. Lee. 2,498,432, Feb. 21.
1-carbalkoxy-4-substituted piperazines. R. J. Turner and H. W. Stewart. 2,535,971, Dec. 26.
1 - carbamyl - 4 - heterocyclopiperazines. H. W. Stewart. 2,519,715, Aug. 22.
1-chloro-2-carboxyanthraquinone, Preparing. M. Scalera. 2,499,003, Feb. 28.
1-cyano-1,3-butadiene, Making. H. A. Bruson. 2,503,710, Apr. 11.
1-cyanophenyl-3-acylamino-5-pyrazolone couplers for color photography. A. Weissberger, P. W. Vittum, and C. O. Edens. 2,511,231, June 13.
1 - dicarbalkoxymethylene-2-alkyl-1,2-dihydroisoquinolines and producing them. F. L. White and L. G. S. Brooker. 2,518,512, Aug. 15.
1,8-dicyano-2,6-octadiene and process. W. W. Prichard and G. M. Whitman. 2,524,833, Oct. 10.
1,5-dialkyl tetrazoles and preparation thereof. E. K. Harvill and R. M. Herbst. 2,507,337, May 9.
1,5 pentanediol bis-cyclohexyl acetate. S. J. Hetzel. 2,500,033, Mar. 7.
1,4-addition products of butadiene nitrile and certain organic nitrogen compounds. S. J. Allen and J. G. N. Drewitt. 2,527,510, Oct. 31.
1,4-but-2-yne bis quaternary ammonium halides. P. L. de Brenneville and L. H. Bock. 2,525,778, Oct. 17.
1,4-diaminoanthraquinone compounds containing a cyano group in the 2-position. J. B. Dickey and A. Loria. 2,510,088, June 6.

1,4-dihydroxy-decahydronaphthalene, Preparing. A. Bell. 2,514,987, July 11.
1,4-di(meta-pentadecyl-phenoxy)-butane. M. T. Harvey. 2,503,731, Apr. 11.
1-(4-sulfamylphenyl)-3,5-dimethyl-4-nitrosopyrazole and germicidal compositions containing it. N. K. Sundholm. 2,510,726, June 6.
1-hydroxy-8-acylamino anthraquinone dyestuffs. P. Grossman and W. Kern. 2,522,034, Sept. 12.
1 - hydroxy - 4,7 - methano - 3a,4,7,7a - tetrahydro - 4,5,6,7,8,8-hexachloroindene and preparing same. S. H. Herzfeld and E. P. Ordas. 2,528,656, Nov. 7.
1-hydroxy-2-naphthamide colored couplers. D. B. Glass, P. W. Vittum, and A. Weissberger. 2,521,908, Sept. 12.
1 - keto - 2 - hydroxymethylene - 7 - or - 1,2,3,4 - tetrahydrophenanthrenes. W. S. Johnson, J. W. Petersen, and C. D. Gutsche. 2,534,823, Dec. 19.
1-lower alkyl-4-cyclohexyl-4-lower fatty acyloxy-piperidines and acid addition salts thereof. J. Lee and L. Berger. 2,498,434, Feb. 21.
1-methyl-4-p-methoxyphenyl-4-propionoxy - piperidine hydrochloride. J. Lee. 2,498,430, Feb. 21.
1-methyl-3-piperidylmethyl phenyl(2-thienyl) acetate, its salts and production thereof. R. F. Feldkamp. 2,533,002, Dec. 5.
1-methyl-3-piperidylmethyl 3-hydroxy-2-phenylbutanoate, its salts and production thereof. R. F. Feldkamp. 2,533,003, Dec. 5.
1-nitrophenyl, 2-amino, 1,3-propanediols. H. M. Crooks, Jr., M. C. Rebstock, J. Controulis, and Q. R. Bartz. 2,514,377, July 11.
1-o-aminobenzoyl-2-β-hydroxyethylpiperidine. L. A. Walter. 2,529,982, Nov. 14.
1,1-dicyano ethylene by the pyrolysis of 1,1,3,3-tetracyano propane, Preparation of. H. Gilbert. 2,514,387, July 11.
1,1,1-difluorochloroethane, Photochemical manufacture of. J. D. Calfee and P. A. Florio. 2,499,129, Feb. 28.
1,1,1-difluorochloroethane, Photochemical manufacture of. J. D. Calfee and L. B. Smith. 2,499,629, Mar. 7.
1,1,1-trichloro-2,2-bis (p-chlorophenyl) ethane, Sulfonated. E. Segessemann. 2,515,803, July 18.
1,1,1-trifluoro-2-bromoethane, Preparing. E. B. Towne and J. B. Dickey. 2,500,218, Mar. 14.
1-(p-chlorophenyl)-2-pyridylacetylenes and 1-(p-chlorophenyl)-2-quinolylacetylenes. J. M. Smith, Jr. 2,512,180, June 20.
One-piece spring jack frame. C. Lomholt. 2,520,158, Aug. 29.
1,6 hexanediamine derivatives. J. E. Castle. 2,532,277, Dec. 5.
1, 10-phenanthroline, Production of. E. Hodel and H. Gysin. 2,535,417, Dec. 26.
1,3-dichlorobutene-2 with aromatic hydrocarbons, Condensing. J. Cech and V. Albrecht. 2,515,335, July 18.
1,3 dimethyl-4-phenyl-4-hydroxy-piperidine, Production of. J. Lee and L. Berger. 2,498,435, Feb. 21.
1,3 dimethyl-4-propionoxy-4-phenyl-piperidine and acid addition salts thereof. J. Lee and A. Ziering. 2,498,433, Feb. 21.
1,3-diphenylimidazolidine and certain derivatives thereof used as acid fading inhibitors. H. W. Grimmel and A. Guenther. 2,525,898, Oct. 17.
1,3,5-trisilapentanes, Substituted. J. T. Goodwin, Jr. 2,527,807, Oct. 31.
1,3,6-thiadiazepine-2-thiones and their production. J. A. Shotton. 2,514,219, July 4.
1,3,3-trimethyl-2,4-dioxo piperidine. E. Masset. 2,525,231, Oct. 10.
1,2-dihydrobenzo-(f)-quinolin-3-ol, and its preparation. W. F. Amon, Jr. 2,495,048, Jan. 17.
1,2 - dihydroxy - 4,5,6,7,8,8-hexabalo - 4,7 - methano - 3a,4,7,7a-tetrahydroindane and preparing same. S. H. Herzfeld and M. Kleiman. 2,528,654, Nov. 7.
1,2,2,3-tetrachloro-n-butyl ether, Functionally aliphatic. W. D. Harris and T. W. Kerr. 2,508,916, May 23.
Opacification of paper. A. B. Hurley. 2,506,153, May 2.
Opacifier and making, Enamel. W. J. Baldwin. 2,500,231, Mar. 14.
Open bottom deposit and collection receptacle. J. L. Cahill. 2,532,289, Dec. 5.
Open display refrigerated case. C. A. Quillen. 2,513,675, July 4.
Open-top refrigerated display case. H. W. Hardin. 2,508,255, May 16.
Open-top refrigerated display case. G. E. Spangler. 2,495,554, Jan. 24.
Opener, Adjustable clam. H. H. Wesik. 2,520,790, Aug. 29.
Opener, Ampoule. M. R. Fields. 2,507,097, May 9.
Opener, Ampoule. M. E. Scott. 2,515,020, July 11.
Opener and container, Cigarette package. A. Wax. 2,520,484, Aug. 29.
Opener and container having two lids and adjustable stop means limiting the opening of the lids, Milk can. J. K. Boak. 2,501,653, Mar. 28.
Opener and spout, Can. A. M. Lyon and D. L. Scott. 2,505,558, Apr. 25.
Opener and spout, Combination can. W. B. Moyle. 2,521,598, Sept. 5.
Opener, Bobby pin. L. Des Saulles. 2,506,859, May 9.
Opener, Bobby pin. P. J. Maggio and L. F. Smith. 2,507,031, May 9.
Opener, Bobby pin. D. G. Stephenson. 2,535,170, Dec. 26.
Opener, Can. N. A. Butt and W. C. Byrd. 2,522,777, Sept. 19.
Opener, Can. W. W. Edlund. 2,508,106, May 16.
Opener, Can. J. B. Flynn. 2,535,354, Dec. 26.
Opener, Can. P. J. Harney. 2,508,944, May 23.
Opener, Can. B. H. Johnson. 2,532,553, Dec. 5.
Opener, Can. F. E. Leitch. 2,508,921, May 23.
Opener, Can. R. E. McLean. 2,498,441, Feb. 21.
Opener, Can. H. R. Ransom. 2,517,442, Aug. 1.
Opener, Can. T. L. Rush. 2,532,121, Nov. 28.
Opener can. H. Von der Lieth. 2,515,362, July 18.
Opener, Can. W. W. Weller. 2,500,266, Mar. 14.
Opener, Can. E. B. White. 2,511,422, June 13.
Opener, Carton. P. T. Van Fleet. 2,505,161, Apr. 25.
Opener, Carton. R. E. Winebrenner. 2,504,913, Apr. 18.
Opener, Cutter blade can. J. D. Tinsley. 2,510,195, June 6.
Opener, Electric can. E. E. Brown. 2,523,810, Sept. 26.
Opener, Electric can. F. Hensel. 2,494,616, Jan. 17.
Opener, Fluid container. G. P. Barlow. 2,516,746, July 25.
Opener for rimless cans. J. E. Cooke. 2,499,904, Mar. 7.
Opener having pivoted hammer, Egg. R. A. Haegele. 2,533,007, Dec. 5.
Opener, Letter and package. J. O. Tilly. 2,535,555, Dec. 26.
Opener, Power can. F. F. Scieri. 2,518,190, Aug. 8.
Opener, Rotary type can. R. E. McLean. 2,498,440, Feb. 21.
Opener, Skin. J. A. Hassan. 2,513,797, July 4.
Opener, Thread-cutting seam. R. H. McMurray. 2,514,662, July 11.
Opener, Tin. E. Jorgensen. 2,514,069, July 4.
Opening and cleaning of fibrous materials. T. W. Owen. 2,518,713, Aug. 15.
Opening bales of fibers. J. Hughes. 2,509,825, May 30.
Opening control for parachutes, Automatic. H. G. Heinrich. 2,520,931, Sept. 5.
Opening device, Hairpin. Z. K. Clark. 2,519,953, Aug. 22.
Opening device, Sack. E. C. Swanson. 2,528,562, Nov. 7.
Opening doors of locked enclosures from within. M. F. Doherty. 2,525,019, Oct. 10.
Opening machine, Carton. C. and D. Ray. 2,521,996, Sept. 12.
Opening means for cigarette wrappers. T. A. Will. 2,533,255, Dec. 12.
Opening mechanism, Carton flap. T. E. Piazze. 2,523,719, Sept. 26.
Opening mechanism, Quick. C. A. Reimschissel. 2,499,970, Mar. 7.
Opening oysters. J. W. Pogany. 2,530,783, Nov. 21.
Opera chair. R. H. McCullogh. 2,493,303, Jan. 3.
Operable apparatus, Fluid. H. M. Purcell. 2,529,309. Nov. 7.
Operating an electric switch at a predetermined time. H. Ward. 2,499,046, Feb. 28.
Operating and adjusting mechanism, Brake.. R. H. Shively. 2,522,903, Sept. 19.
Operating attachment for the handles of AB release valves. S. L. Joiner. 2,516,466, July 25.
Operating collapsible vehicle tops. H. Baade. 2,509,623, May 30.
Operating device for slide fasteners. A. Haswell. 2,515,557, July 18.
Operating Diesel-type internal-combustion engines. F. A. Thaheld. 2,534,322, Dec. 19.
Operating head for welding machines and the like. M. M. Seeloff. 2,500,876, Mar. 14.
Operating heat exchangers. C. J. Lockman. 2,508,119, May 16.
Operating internal-combustion engines. J. A. Hannum. 2,499,642, Mar. 7.
Operating means for enclosed switches. R. N. Rowe. 2,512,505, June 20.
Operating means for hand tools adapted for use in relatively inaccessible or cramped locations. A. Barbagelata. 2,519,536, Aug. 22.
Operating means for sliding elevator doors. N. R. Guilbert, Jr., and G. J. Arbogast. 2,497,080, Feb. 14.
Operating means for window structures. M. J. Tracy. 2,525,739, Oct. 10.
Operating mechanism for axially and rotatably movable valve plugs. C. W. Anderson. 2,501,150, Mar. 21.
Operating mechanism for change speed gears. W. H. Hill. 2,520,209, Aug. 29.
Operating mechanism for circuit breakers. J. D. Findley, Jr., A. W. Ogg and F. E. Florschutz. 2,515,994, July 18.
Operating mechanism for high lift devices for airplanes. H. W. Earhart. 2,502,315, Mar. 28.
Operating mechanism for moving a rod or other member axially. W. Nelson. 2,533,392. Dec. 12.
Operating mechanism for plungers of caulking guns. W. P. Peterson. 2,530,359, Nov. 14.
Operating mechanism for printing presses and the like. J. Sinkovitz. 2,517,251, Aug. 1.
Operating mechanism for washing machines and the like. L. E. Deloghia. 2,531,353, Nov. 21.
Operating mechanism, Gate. C. A. Olcott. 2,517,408, Aug. 1.

Operating open-hearth furnaces. C. M. Kay and J. C. Witherspoon. 2,534,454, Dec. 19.
Operating rod. F. H. Kayler. 2,505,408, Apr. 25.
Operating telephonographs. M. Handschin. 2,519,568, Aug. 22.
Operations of steam traps, Means to check. E. L. Sequin and M. Klein. 2,497,375, Feb. 14.
Operator construction, Window. M. Gzupkaytil. 2,528,953, Nov. 7.
Operator, Electric motor-driven. E. A. Rehwald. 2,497,794, Feb. 14.
Operator for flow control devices. J. R. Golden. 2,523,013, Sept. 19.
Ophthalmic device. C. A. Baratelli. 2,534,655, Dec. 19.
Ophthalmic device having detachable shield. E. M. Splaine. 2,529,110, Nov. 7.
Ophthalmic glass. W. H. Armistead. 2,523,264, Sept. 26.
Ophthalmic glass. W. H. Armistead. 2,523,265, Sept. 26.
Ophthalmic glass. W. H. Armistead. 2,523,266, Sept. 26.
Ophthalmic mounting. J. E. Crane. 2,512,011, June 20.
Ophthalmic mounting. M. B. Levoy. 2,529,879, Nov. 14.
Ophthalmic mounting. E. A. Ring. 2,519,852, Aug. 22.
Ophthalmic mounting. E. M. Splaine. 2,524,717, Oct. 3.
Opposed-contacts distance gauge. J. H. Greany. 2,524,256, Oct. 3.
Optical apparatus for flight trainers. R. C. Dehmel. 2,518,419, Aug. 8.
Optical assembly for projecting an image of luminous characteristics upon light responsive element. B. L. Brady. 2,510,374, June 6.
Optical case. J. A. West, Jr. 2,501,113, Mar. 21.
Optical coatings. Method and apparatus for producing. O. van Leer and M. A. Zook, Jr. 2,532,971, Dec. 5.
Optical color comparison apparatus. J. M. Loggie. 2,502,014, Mar. 28.
Optical device. J. L. Carlton and B. Menin. 2,515,862, July 18.
Optical device for cinematographic projection apparatus with continuous unrolling of the film. H. Roger. 2,498,580, Feb. 21.
Optical device for inverting images. R. T. Erban. 2,523,687, Sept. 26.
Optical element, Manufacturing an. P. M. van Alphen. 2,530,742, Nov. 21.
Optical gauge. C. E. Poer. 2,510,479, June 6.
Optical glass. W. H. Armistead. 2,517,459, Aug. 1.
Optical glass. N. J. Kreidl. 2,518,028, Aug. 8.
Optical glass, Barium crown. W. A. Fraser, N. J. Kreidl, and L. O. Upton. 2,523,362, Sept. 26.
Optical glass of varied refractive index, Producing. H. H. Spiegel. 2,511,517, June 13.
Optical image device having lenticular elements. M. Bonnet. 2,501,258, Mar. 21.
Optical indicator. W. L. Berssenbrugge. 2,528,681, Nov. 7.
Optical instrument for visually comparing a surface with a selected one of a plurality of standard surfaces. F. Short. 2,510,145, June 6.
Optical lens cutter. J. H. Geula. 2,522,818, Sept. 19.
Optical lens system. A. Waldorf and W. H. Wade. 2,531,956, Nov. 28.
Optical means for registering printing surfaces. E. L. Harley. 2,493,628, Jan. 3.
Optical mixing of plan position indication and graphical information. H. C. Allen. 2,506,127, May 2.
Optical objective. G. H. Cook. 2,528,212, Oct. 31.
Optical objective. D. S. Grey. 2,520,636, Aug. 29.
Optical objective employing reflecting elements. D. S. Grey. 2,520,634, Aug. 29.
Optical objective for profile projections. A. Warmisham. 2,502,544, Apr. 4.
Optical objective system for sound recording. L. T. Sachtleben. 2,508,892, May 23.
Optical objective with axially spaced spherical aberration correction means, Highly corrected. A. Warmisham. 2,502,543, Apr. 4.
Optical objectives comprising two members formed of four air spaced components, Wide aperture corrected. G. H. Cook. 2,502,509, Apr. 4.
Optical objectives of large aperture, Highly corrected three component. G. H. Cook. 2,502,508, Apr. 4.
Optical objectives with two-part negative component having variable central air space of zero power. F. E. Altman. 2,494,025, Jan. 10.
Optical printer with automatic electrical control of operating mechanism. R. P. Shea, O. H. Jarosch, L. G. Dunn, and C. D. Love. 2,517,250, Aug. 1.
Optical projection comparison device. W. De Boer, G. A. Betts, and E. C. Polidor. 2,504,503, Apr. 18.
Optical projection of raceway contours and the like, Method and apparatus for. C. C. Stevens. 2,493,325, Jan. 3.
Optical projection screen. R. R. Finn. 2,525,596, Oct. 10.
Optical projection system. W. C. Miller. 2,508,764, May 23.
Optical projection system for inspecting alignment of typewriter type. F. J. Wolff, Jr. 2,500,051, Mar. 7.
Optical projection system in a stereoscopic projector. W. B. Gruber. 2,525,598, Oct. 10.
Optical system. D. S. Grey. 2,520,633, Aug. 29.
Optical system. D. S. Grey. 2,520,635, Aug. 29.
Optical system. H. Rinia. 2,510,521, June 6.
Optical system, Centered. H. Rinia. 2,518,067 Aug. 8
Optical system, Electron. R. Rudenberg. 2,520,813, Aug. 29.
Optical system for cameras, Interchangeable. F. B. Hunter. 2,502,788, Apr. 4.
Optical system for photographic objectives. J. R. Miles. 2,527,370, Oct. 24.
Optical system for sound reproduction, Multiple unit. J. L. Pettus and S. E. Bartelson. 2,508,888, May 23.
Optical system for telemeters, Self-compensating. I. C. Gardner. 2,511,840, June 20.
Optical system, Impulse recording. J. A. Maurer, Jr. 2,497,953, Feb. 21.
Optical system, Variable density recording. J. A. Maurer, Jr. 2,497,952, Feb. 21.
Optical system, Variable magnification. H. H. Hopkins. 2,514,239, July 4.
Optical system, Variable magnification. H. H. Hopkins and H. Waitt. 2,501,219, Mar. 21.
Optical system without change of magnification, Variable length. L. T. Sachtleben. 2,496,069, Jan. 31.
Optical unit, Recording and monitoring. L. T. Sachtleben and J. L. Pettus. 2,527,454, Oct. 24.
Oral inflation valve. S. W. Alderfer. 2,502,301, Mar. 28.
Orchard heater. B. E. Hoger. 2,518,689, Aug. 15.
Order blank, Combination advertising and return. C. B. Cochran. 2,517,843, Aug. 8.
Ore and ore materials, Magnetically roasting hematitic. P. H. Royster. 2,528,552, Nov. 7.
Ore concentrator, Rotary. A. J. Weinig. 2,533,074, Dec. 5.
Ore conditioning and reduction process. H. G. Lykken. 2,503,555, Apr. 11.
Ore milling and screening apparatus. W. A. Huelsdonk. 2,514,064, July 4.
Ore roasting. H. O. C. Ingraham. 2,522,576, Sept. 19.
Ore separation. F. K. Shelton. 2,508,427, May 23.
Ore sorting, Electronic. E. H. Rose and A. E. Prince. 2,504,731, Apr. 18.
Organ console. L. Hammond. 2,506,451. May 2.
Organ, Electronic. A. M. Skellett. 2,535,323, Dec. 26.
Organ, Photoelectrically operated. C. Hook. 2,494,943, Jan. 17.
Organ pipe assembly. C. W. McManis. 2,535,645, Dec. 26.
Organic acid esters of cellulose, Manufacture of. W. B. Hincke and C. J. Malm. 2,521,916, Sept. 12.
Organic acids, Manufacture of. D. G. Hedberg, Jr. 2,510,105, June 6.
Organic acids, Preparing. J. H. Boothe and R. B. Angier. 2,524,422, Oct. 3.
Organic compound and preparing same. W. F. Gresham and R. E. Brooks. 2,525,793, Oct. 17.
Organic compound, Metal-containing. D. T. Rogers and J. G. McNab. 2,518,379, Aug. 8.
Organic compounds and obtaining the same, Stabilized. E. W. Tillitson. 2,493,471, Jan. 3.
Organic compounds containing sulfur and oxygen, Production of. D. Harman. 2,515,120, July 11.
Organic compounds, Making fluorinated. M. A. Perkins. 2,499,833, Mar. 7.
Organic compounds, Stabilization of. R. B. Thompson. 2,498,630, Feb. 28.
Organic derivative of cellulose staple fibers by solvent dyeing, mechanical crimping, and cutting in that order, Production of. C. M. Croft. 2,504,183, Apr. 18.
Organic fillers and extenders and producing the same. J. W. Ayers. 2,507,465, May 9.
Organic iron-alkali metal complexes. C. T. Van Meter and J. A. Bianculli. 2,503,781, Apr. 11.
Organic nitrosation-sulfitation products in the polyvalent metal salt form. The preparation of surface-active. W. A. Fessler. 2,510,466, June 6.
Organic peroxide and making same, Unsaturated. F. F. Rust and F. H. Dickey. 2,516,649, July 25.
Organic peroxide polymerization catalysts, Preparation of. J. H. Young. 2,525,628, Oct. 10.
Organic peroxides and products thereof, Production of polar-substituted. D. Harman. 2,508,256, May 16.
Organic polycarbamates from chloroformic esters, Manufacture of. W. Baird, P. Gaubert, and A. Lowe. 2,527,240, Oct. 24.
Organic polymers, Oxygenated. D. J. Loder and W. F. Gresham. 2,497,315, Feb. 14.
Organic reactions. A. V. Grosse and J. C. Snyder. 2,492,984, Jan. 3.
Organic sulfides, Preparation of. L. F. Bauer. 2,510,921, June 6.
Organic sulfur-containing compounds, Preparing stabilized. E. N. Roberts and L. W. Mixon. 2,497,097, Feb. 14.
Organic sulfur-containing compounds, Stabilized. R. W. Watson and L. W. Mixon. 2,496,508, Feb. 7.
Organochlorosilanes and their production. L. A. Goldblatt and D. M. Oldroyd. 2,533,240, Dec. 12.
Organohalosilanes, Preparation of. A. J. Barry, D. E. Hook, and L. De Pree. 2,511,820, June 13.
Organomercury perthiocyanates, Production of. W. H. Hill. 2,526,356, Oct. 17.
Organo-metallic complexes and making the same. E. Frommel. 2,513,793, July 4.
Organopolysiloxane compositions. O. A. Braley. 2,504,388, Apr. 18.

Organopolysiloxane resins, Preparing. H. C. White and E. C. Britton. 2,521,678, Sept. 12.
Organopolysiloxanes, Preparing. R. H. Krieble and J. R. Elliott. 2,501,525, Mar. 21.
Organo silicon compounds by the Grignard reaction, Manufacture of. A. E. Meadowcroft, C. Shaw, and W. E. Smith. 2,521,390, Sept. 5.
Organo-silicon compounds, Preparation of. R. H. Krieble. 2,524,529, Oct. 3.
Organo silicon derivatives of cellulose. M. J. Hunter. 2,532,622, Dec. 5.
Organo silicon elastomers. C. A. MacKenzie. 2,507,413, May 9.
Organosilicon fluorides, The preparation of. F. J. Sowa. 2,527,233, Oct. 24.
Organo-silicon halides, Preparation of. R. H. Krieble. 2,510,642, June 6.
Organo-silicon-oxy compounds, Titanated. H. C. Gulledge. 2,512,058, June 20.
Organosilicon polymers, Production of. H. A. Clark. 2,507,521, May 16.
Organo-silicon resins and making same. C. A. MacKenzie. 2,507,414, May 9.
Organo-siloxane polymers, Preparation of. E. C. Britton and L. F. Berhenke. 2,521,673, Sept. 12.
Organosiloxane resins, Preparing. E. C. Britton and L. W. Byers. 2,521,674, Sept. 12.
Organosiloxanes. H. A. Clark. 2,507,516, May 16.
Organosiloxanes. J. T. Goodwin, Jr. 2,507,519, May 16.
Organosiloxanes. J. T. Goodwin, Jr. 2,527,808–9, Oct. 31.
Organo-siloxanes and preparing them. J. F. Hyde. 2,504,839, Apr. 18.
Organo siloxanes and their production. J. T. Goodwin, Jr. 2,511,056, June 13.
Organo-substituted acids of phosphorous, Manufacture of. R. M. Dean and E. P. Cashman. 2,523,147, Sept. 19.
Organo-substituted halogenosilanes, Preparation of. R. N. Lewis. 2,500,761, Mar. 14.
Organo-substituted polysiloxanes, Preparation of. R. O. Sauer. 2,534,149, Dec. 12.
Organo-thiyl compounds, Production of. M. Kleiman. 2,510,893–4, June 6.
Orienting means, Article. L. D. Christie. 2,510,555, June 6.
Orifice cleaning means. W. S. Landon. 2,493,297, Jan. 3.
Orifice, Stretch tube. H. Miller. 2,529,563, Nov. 14.
Ornament and fire safety device, Decorative. W. J. Korth and W. J. Kender. 2,508,676, May 23.
Ornament, Christmas tree. E. S. Margolis and H. A. Wachtel. 2,535,219, Dec. 26.
Ornament, Christmas tree. U. L. Minners. 2,521,394, Sept. 5.
Ornament, Hair. S. Behr. 2,495,504, Jan. 24.
Ornament, Illuminated vehicle. C. S. Krone. 2,520,730, Aug. 29.
Ornament, Illuminated window. H. H. Derington. 2,499,731, Mar. 7.
Ornamental box. J. Byck. 2,531,968, Nov. 28.
Ornamental bubbling light. C. W. Otis. 2,520,691, Aug. 29.
Ornamental ear clip. M. Barron. 2,498,748, Feb. 28.
Ornamental lamp. H. J. Johnson. 2,521,851, Sept. 12.
Ornamental mounting. R. J. Fous. 2,514,231, July 4.
Ornamental screen. M. H. Hinterstoiner. 2,528,829, Nov. 7.
Ornamentation of a braided rug. H. C. Mintel. 2,512,959, June 27.
Ornamenting machine. H. H. Hoffman and J. G. Herbers. 2,526,868, Oct. 24.
Ornamenting rubber sheeting. S. C. Nielsen. 2,521,992, Sept. 12.
Orthiodontic device. A. W. Müller. 2,520,773, Aug. 29.
Orthoformic esters, Preparation of. J. W. Copenhaver. 2,527,494, Oct. 24.
Ortho-halomercuriphenol, Preparing. J. F. Kaplan and C. Mellick. 2,502,382. Mar. 28.
Ortho-hydroxy, ortho amino monoazo dyestuffs, Metalized. H. H. Bestehorn and J. F. Morgan. 2,529,444, Nov. 7.
Orthopedic apparatus, Corrective. S. Israel. 2,514,870, July 11.
Orthopedic appliance. L. G. Black. 2,522,853, Sept. 19.
Orthopedic bar. P. Molas and D. Pileggi. 2,531,579, Nov. 28.
Orthopedic device. D. L. Purgett. 2,498,115, Feb. 21.
Orthopedic device. A. J. Weber. 2,531,486, Nov. 28.
Orthoscopic anastigmatic photographic objective, Wide angle. M. M. Roossinov. 2,516,724, July 25.
Oscillating rack actuated drive. A. Horbath. 2,533,807, Dec. 12.
Oscillating railway switch. F. W. Orendorff. 2,508,417, May 23.
Oscillating vane rotary pump. W. E. Leibing and R. D. Fageol. 2,526,621, Oct. 24.
Oscillation control, Automatic. R. H. Hoglund. 2,527,730, Oct. 31.
Oscillation damping device. R. A. Heising. 2,504,329, Apr. 18.
Oscillation frequency multiplier circuit. G. L. Usselman. 2,512,729, June 27.
Oscillation generator. B. M. Hadfield. 2,497,766, Feb. 14.
Oscillation generator. L. A. King. 2,534,521, Dec. 19.
Oscillation generator. R. V. Lindner and R. B. Edwards. 2,521,070, Sept. 5.
Oscillation generator. O. L. MacSorley. 2,532,455, Dec. 5.
Oscillation generator. H. A. Wheeler. 2,501,834, Mar. 28.
Oscillation generator circuit. D. L. Christenson. 2,532,834, Dec. 5.
Oscillator. T. A. Hunter. 2,509,231, May 30.
Oscillator and modulator, Wide band. N. I. Korman. 2,498,759, Feb. 28.
Oscillator and oscillator-controlled relay system. W. H. Wannamaker. 2,531,313, Nov. 21.
Oscillator, Beat frequency sweep. A. Liebscher. 2,499,514, Mar. 7.
Oscillator, Blocking. A. R. Applegarth, Jr. 2,493,517, Jan. 3.
Oscillator, Cathode-driven. G. C. Sziklai and A. C. Schroeder. 2,509,280, May 30.
Oscillator circuit. H. Klemperer. 2,494,046, Jan. 10.
Oscillator circuit arrangement. C. J. van Loon. 2,531,312, Nov. 21.
Oscillator, Constant amplitude. G. Muffly. 2,528,703, Nov. 7.
Oscillator control arrangement for dielectric heating systems. H. R. Warren. 2,517,948, Aug. 8.
Oscillator control system. S. H. M. Dodington and J. A. Herbst. 2,521,700, Sept. 12.
Oscillator control system. H. W. Lensner. 2,516,007, July 18.
Oscillator controlled relay. W. H. Wannamaker, Jr. 2,511,819, June 13.
Oscillator device, Cavity resonator. J. R. Pierce. 2,500,430, Mar. 14.
Oscillator, Electron beam. W. W. Hansen and R. H. Varian. Re. 23,234, May 30.
Oscillator for ultraviolet ray generators, Radio-frequency. F. Furedy and C. E. Atkins. 2,510,017, May 30.
Oscillator frequency control. H. M. Bach. 2,520,823, Aug. 29.
Oscillator, Frequency-controlled. W. A. Klute. 2,522,124, Sept. 12.
Oscillator, Frequency-modulated. G. L. Fernsler. 2,496,044, Jan. 31.
Oscillator, Heterodyne. I. R. Worsley. 2,510,165, June 6.
Oscillator, High-frequency. J. L. Clark. 2,498,529, Feb. 21.
Oscillator, Humidity compensated. D. R. Goddard. 2,509,593, May 30.
Oscillator, Line-tuned. P. S. Lansman. 2,531,693, Nov. 28.
Oscillator, Line-tuned. O. W. Towner. 2,531,713, Nov. 28.
Oscillator, Magnetron. E. Everhart. 2,532,545, Dec. 5.
Oscillator, Microwave dynatron. E. R. Jervis. 2,535,137, Dec. 26.
Oscillator, Modulated. L. T. Phelan. 2,514,087, July 4.
Oscillator of the magnetron type, Pulsed. P. L. Spencer. 2,500,328, Mar. 14.
Oscillator, Piezoelectric crystal. J. J. Antalek. 2,506,762, May 9.
Oscillator plate, Quartz. W. H. E. Samuelson. 2,497,275, Feb. 14.
Oscillator power output maximizing system. S. E. Miller. 2,493,011, Jan. 3.
Oscillator, Pulsed. A. D. Blumlein. 2,496,980, Feb. 7.
Oscillator, Pulsed. A. G. Kandoian. 2,509,235, May 30.
Oscillator, Regulated. D. E. Norgaard. 2,523,051, Sept. 19.
Oscillator, Resistance capacitance. A. W. Storm. 2,504,603, Apr. 18.
Oscillator, Ring-mounted. R. M. Page, M. F. Distad, and L. V. Blake. 2,493,775, Jan. 10.
Oscillator, Saw-tooth. A. Sundberg. 2,521,762, Sept. 12.
Oscillator, Single tuned circuit ultra high frequency. A. Horvath. 2,513,324, July 4.
Oscillator, Stabilized line tuned. G. C. Izenour. 2,531,683, Nov. 28.
Oscillator, Stabilized low-frequency. R. W. Harralson. 2,526,353, Oct. 17.
Oscillator system, Stabilized. O. E. Dow. 2,523,684, Sept. 26.
Oscillator tank circuit configuration. R. L. Rumpf, Jr. 2,530,995, Nov. 21.
Oscillator, Temperature responsive piezoelectric crystal. H. M. Bach. 2,496,975, Feb. 7.
Oscillator, Tunable. D. B. Bowen and A. M. Clogston. 2,527,699, Oct. 31.
Oscillator, Two-channel. C. M. Wheeler. 2,505,022, Apr. 25.
Oscillator, Ultra high frequency. P. H. Craig. 2,520,383, Aug. 29.
Oscillator, Ultra high frequency ring. M. D. Baller. 2,497,854, Feb. 21.
Oscillator, Vane controlled. T. A. Rich. 2,505,577, Apr. 25.
Oscillator, Variable frequency. R. F. Smeltzer. 2,519,000, Aug. 15.
Oscillator, Wide-range sweeping. H. R. Foster. 2,498,076, Feb. 21.
Oscillatory electric motor. F. J. Kent. 2,517,214, Aug. 1.
Oscillatory energy generating and modulating system. G. L. Usselman. 2,515,971, July 18.

Oscillograph and cathode-ray tube therefor. C. N. Smyth. 2,509,255, May 30.
Oscillograph device, Cathode-ray. R. J. Dippy. 2,512,923, June 27.
Oscillograph, Recording. A. M. Opsahl. 2,516,015, July 18.
Oscilloscope, High-speed. J. R. Pierce. 2,535,317, Dec. 12.
Oscilloscope sweep circuit. A. H. Taylor. 2,519,413, Aug. 22.
Ottoman, Floating. E. C. Burden. 2,534,499, Dec. 19.
Outboard motor. H. P. Below. 2,494,158, Jan. 10.
Outboard motor. E. M. Wilson and L. Pollock. 2,528,480, Oct. 31.
Outboard motor starter. G. W. Martin. 2,530,623, Nov. 21.
Outboard motor support. E. D. Reid. 2,507,613, May 16.
Outboard motor tank, engine, and support assembly. R. G. Krueger and W. F. Kruke. 2,501,470, Mar. 21.
Outgoing mail clip. R. W. Gieseler. 2,508,453, May 23.
Out of step protection of transmission systems. E. L. Harder. 2,525,485, Oct. 10.
Outlet box fixture hanger. C. H. Bissell. 2,525,582, Oct. 10.
Outlet box hanger. R. L. Collins. 2,504,180, Apr. 18.
Outlet box support. W. H. Wait and W. C. Jordan. 2,512,188, June 20.
Outlet box wall and cable clamp. H. E. Petrick and J. L. Johnson. 2,531,698, Nov. 28.
Outlet unit assembly. J. F. O'Brien and L. G. Morten. 2,517,593, Aug. 8.
Outlet with movable closure, Electrical. P. E. Hamilton. 2,515,003, July 11.
Outlet with movable closure, Electrical. P. E. Hamilton. 2,515,870, July 18.
Oven. O. O. Oaks. 2,495,126, Jan. 17.
Oven. P. B. Pursell. 2,530,177, Nov. 14.
Oven. L. D. Treloar. 2,520,578, Aug. 29.
Oven, Air-conditioned bakery. E. H. Paulsen. 2,502,172, Mar. 28.
Oven and door therefor, Cookstove. H. M. Reeves. 2,513,202, June 27.
Oven assembly for cooking ranges. H. F. Muenchow. 2,512,870, June 27.
Oven, Baking. T. R. and W. Neutelings. 2,535,650, Dec. 26.
Oven control and temperature indicator. T. R. Smith. 2,510,526, June 6.
Oven, Cooking. C. F. Hoffman. 2,505,117, Apr. 25.
Oven, Cooking. P. W. Rom. 2,502,233, Mar. 28.
Oven, Cooking. M. M. Weintrob and G. Gerety. 2,494,022, Jan. 10.
Oven, Direct gas-fired. A. M. Sage. 2,524,272, Oct. 3.
Oven door and window unit. H. E. Mills. 2,535,589, Dec. 26.
Oven, Electric. H. W. Schulze. 2,498,583, Feb. 21.
Oven, Electrically heated, J. W. Dalgleish and F. Higginbottom. 2,520,532, Aug. 29.
Oven, Electrically heated. P. H. Goodell. 2,504,516, Apr. 18.
Oven, Enameling. C. S. Prescott and R. M. Brown. 2,517,024, Aug. 1.
Oven for baking various food products, Bake. E. H. Otto. 2,530,778, Nov. 21.
Oven for laminated glass, Heating. W. R. Page. 2,515,731, July 18.
Oven, Indirect gas-fired. A. M. Sage. 2,527,200, Oct. 24.
Oven, Infrared baking. E. T. Carlson. 2,498,878, Feb. 28.
Oven method, Horizontal coke. J. Becker. 2,498,784, Feb. 28.
Oven, Portable cooking or heating. W. Fader. 2,501,935, Mar. 28.
Oven rack. J. H. Donovan. 2,520,133, Aug. 29.
Oven, Radiant. B. A. Cliff. 2,520,030, Aug. 22.
Oven, Radiant tube type annealing. C. R. Taylor. 2,513,597, July 4.
Oven venting. T. H. Cline. 2,511,328, June 13.
Oven, Vertical. V. A. Fox. 2,503,437, Apr. 11.
Oven, Vertical drying. V. A. Fox. 2,525,661, Oct. 10.
Oven with paper conveyer. C. W. Roll. 2,503,771, Apr. 11.
Overhead door. R. Fowler and E. F. Murphy. 2,523,207, Sept. 19.
Overload device for metalworking presses. E. K. Johansen. 2,522,450, Sept. 12.
Overload indicating safety switch. R. L. Henry, Jr. 2,496,049, Jan. 31.
Overload protection arrangement for harmonic converters. J. R. Dewar. 2,508,907, May 23.
Overload protection arrangement. T. H. Price. 2,510,519, June 6.
Overload protector. M. C. Harrold. 2,521,120, Sept. 5.
Overload release clutch. E. R. Fish. 2,508,061, May 16.
Overload release clutch. B. P. Pinkvoss. 2,505,742, Apr. 25.
Overload release mechanism. W. E. Rugh. 2,528,477, Oct. 31.
Overload supporting cap for electric machines. A. J. Richert and R. Steele. 2,523,059, Sept. 19.
Overmodulation communication system. W. R. Koch. 2,509,066, May 23.
Overrunning clutch. O. H. Banker. 2,504,173, Apr. 18.
Overshoe having heel-abutting element. C. A. Riley. 2,526,774, Oct. 24.
Overshoe with down folding upper. L. C. Tullgren and J. S. Bonkiewicz, Jr. 2,499,701, Mar. 7.
Overshoe with lapping vamp and toe portions. H. Stanton. 2,506,245, May 2.
Overshoe with rear opening and tongue therein. K. C. Demick. 2,508,994, May 23.
Overshoe with shank filler piece therein. K. C. Demick. 2,535,123, Dec. 26.
Overspeed prevention device for internal-combustion engines. A. Nennesson. 2,517,501, Aug. 1.
Overtire. P. L. Tolbert. 2,524,551, Oct. 3.
Overvoltage protective apparatus. R. N. Edwards. 2,531,118, Nov. 21.
Oxadiazolopyrimidines and preparing the same. J. H. Boothe and C. W. Waller. 2,534,897, Dec. 19.
Oxidation and reduction of carbon, Alternate. A. C. McKinnis. 2,516,233, July 25.
Oxidation of aliphatic esters. J. G. N. Drewitt. 2,530,512, Nov. 21.
Oxidation of alkoxy hydrocarbon silanes. J. B. Rust and C. A. MacKenzie. 2,506,616, May 9.
Oxidation of aromatic compounds. J. H. Simons. 2,530,369, Nov. 21.
Oxidation of aromatic hydrocarbons. A. P. Lien. 2,499,515, Mar. 7.
Oxidation of ethers using aldehyde-activated catalysts. D. C. Hull. 2,497,889, Feb. 21.
Oxidation of heterocyclic aromatic nitrogen compounds. M. B. Mueller. 2,513,099, June 27.
Oxidation of hydrocarbons. M. H. Kotzebue. 2,495,332, Jan. 24.
Oxidation of hydrocarbons in the presence of liquid catalytic films. A. V. Grosse and J. C. Snyder. 2,492,985, Jan. 3.
Oxidation of mercaptans. W. A. Proell and B. H. Shoemaker. 2,505,910, May 2.
Oxidation of mercaptans in the presence of c-nitroso aromatic compounds. D. C. Bond. 2,494,687, Jan. 17.
Oxidation of olefinic fatty acids and esters thereof. A. Turk and P. D. Boone. 2,530,923, Nov. 21.
Oxidation of quinoline to quinolinic acid, Electrolytic. J. B. Conn. 2,512,483, June 20.
Oxidation of saturated aliphatic hydrocarbons with formation of aldehydic compounds, Limited. F. M. McNall. 2,532,930, Dec. 5.
Oxidation of sterols. W. C. Meuly. 2,505,646, Apr. 25.
Oxidation of the hardened inner surface of a pump liner to facilitate its removal from the liner. R. F. Arnoldy. 2,494,791, Jan. 17.
Oxidative method of producing 7-hydroxy-phenothiazone-3. D. F. Houston. 2,516,120, July 25.
Oxidative polymerization of silicic acid esters. J. B. Rust and C. A. MacKenzie. 2,507,422, May 9.
Oxide coatings on aluminum, Treatment of. W. G. Zelley. 2,496,649, Feb. 7.
Oxide gels, Drying inorganic. M. M. Marisic. 2,528,767, Nov. 7.
Oxide particles, Preparation of inorganic. J. Hoekstra. 2,532,497, Dec. 5.
Oxidized catalysts, Preparation of internally. R. M. Mantell. 2,517,223, Aug. 1.
Oxidizer and desiccator unit. H. C. Gerrish and J. L. Meem, Jr. 2,518,460, Aug. 15.
Oxidizing 3,11-diketo-17-hydroxypregnanes and product obtained thereby. L. H. Sarett. 2,516,259, July 25.
Oxonol dyes, Preparing. S. G. Dent, Jr. and L. G. S. Brooker. 2,533,206, Dec. 12.
Oxonol filter and antihalation dyes, Unsymmetrical. G. H. Keyes and L. G. S. Brooker. 2,533,472, Dec. 12.
Oxo synthesis catalyst, Preparation of an. R. E. Schexnailder, Jr. 2,500,210, Mar. 14.
Oxo synthesis followed by hydrogenation to alcohols. R. E. Schexnailder, Jr. 2,500,913, Mar. 14.
Oxo-tetrahydrofuran-carboxylic acids. C. J. Cavallito. 2,499,986, Mar. 7.
Oxyacetylene installation for welding, cutting, or the like. R. R. L. Geffroy. 2,533,729, Dec. 12.
Oxyalkylated drastically-oxidized cashew nutshell liquid, and making same. M. De Groote and O. H. Pettingill. 2,531,502, Nov. 28.
Oxyalkylated phenol-aldehyde diols and derivatives thereof. M. De Groote and B. Keiser. 2,499,363, Mar. 7.
Oxybicyclo (4.1.0.) hepta-2,4-diene-7-carboxylic esters. N. E. Searle. 2,532,575, Dec. 5.
Oxy-fuel gas cutting machine. T. S. James, B. Avon, and E. J. W. Egger. 2,521,222, Sept. 5.
Oxygen by liquefaction of air in which a portion of the air is expanded to supply refrigeration without loss of oxygen content of the air, Producing. E. G. Scheibel. 2,504,051, Apr. 11.
Oxygen by the liquefaction and rectification of air, Producing. P. W. Garbo. 2,513,306, July 4.
Oxygen carrier for the oxidation of gaseous hydrocarbons. E. S. Corner, R. V. J. McGee, and C. S. Lynch. 2,507,502, May 16.
Oxygen check valve. M. S. Hecker. 2,525,799, Oct. 17.
Oxygen demand pressure breathing regulator. H. P. Roth. 2,521,310, Sept. 5.
Oxygen, Producing liquid. W. Dennis. 2,519,892, Aug. 22.
Oxygen production. H. J. Ogorzaly. 2,516,717, July 25.

Oxygen regulator. G. M. Deming and J. Gilroy. 2,534,959, Dec. 19.
Oxygen separation. H. J. Ogorzaly. 2,500,136, Mar. 7.
Oxygen separation. H. J. Ogorzaly. 2,521,400, Sept. 5.
Oxygenated compounds, Production of. J. T. Harlan, Jr. 2,504,682, Apr. 18.
Oxygenated naphthenes, Preparation of. W. I. Denton. 2,519,309, Aug. 15.
P-dialkylaminostyryl dyes containing a new group attached to the nitrogen atom of the heterocyclic nitrogen nucleus. A. W. Anish. 2,504,617, Apr. 18.
pH-responsive glass electrodes. G. A. Perley. 2,497,235, Feb. 14.
p-Nitrobenzene sulfonamido pyrimidines, Production of. C. F. Jelinek. 2,513,999, July 4.
P - nitro - o - methylsulfonebenzeneazo-n-β-cyanoethyl-n-hydroxyalkylaniline dye compounds. J. B. Dickey. 2,492,971, Jan. 3.
P - nitro-o-trifluoromethylbenzeneazo-n-β-cyanoethyl-n-hydroxyalkylaniline dye compounds. J. B. Dickey. 2,492,972, Jan. 3.
Pack for manifold typewriters, Carbon. L. A. Petit. 2,508,621, May 23.
Packoff. G. F. Fermier. 2,496,154, Jan. 31.
Pack, Parachute. J. R. C. Quilter. 2,498,505, Feb. 21.
Pack, Parachute chair. H. J. Moran. 2,495,381, Jan. 24.
Pack, Razor blade ejector. R. J. Colton and J. Martial. 2,502,248, Mar. 28.
Pack unit, Power. B. N. Ashton. 2,517,377, Aug. 1.
Package. F. H. Bowers. 2,523,415, Sept. 26.
Package. W. H. Colgate. 2,497,071, Feb. 14.
Package. S. A. Larsen. 2,501,570, Mar. 21.
Package. C. Nicolle. 2,512,367, June 20.
Package and making same, Leakproof. R. A. Farrell. 2,496,043, Jan. 31.
Package and making the same. O. H. Hultin. 2,494,177, Jan. 10.
Package and producing same. O. M. Byerly. 2,533,554, Dec. 12.
Package and producing, Self-sealed. H. Jenett. 2,525,358, Oct. 10.
Package and reel for coiled wire, Combined. L. J. Daoust. 2,527,401. Oct. 24.
Package binding tool. J. H. Leslie, II. 2,497,313, Feb. 14.
Package carrier. P. M. Griffin. 2,518,681, Aug. 15.
Package construction. E. D. Andrews. 2,527,692, Oct. 31.
Package construction, Carboy. R. W. Lahey. 2,515,127, July 11.
Package cooled by ice, Fresh produce. A. Longo. 2,496,731, Feb. 7.
Package delivery type motor vehicle. C. L. Carlson and R. W. Bond. 2,532,057, Nov. 28.
Package device for shipping and displaying articles, and display mantle therefor. L. Ebert. 2,502,561, Apr. 4.
Package filling device connected to a conveyor mounted in a channeled guide. A. B. Filbert. 2,499,479, Mar. 7.
Package for electrical devices. W. A. Heinrich. 2,525,673, Oct. 10.
Package for fishlines. R. B. Worden. 2,500,446, Mar. 14.
Package for knives. A. Paolantonio. 2,535,229, Dec. 26.
Package for scarves or the like. A. Klein. 2,501,468, Mar. 21.
Package, Insulated. L. C. Pennebaker. 2,507,929, May 16.
Package of adhesive bandages or the like. P. I. Rogers. 2,522,963, Sept. 19.
Package of fragile articles, Cushioned. S. T. V. Cowen and M. A. Shriro. 2,518,450, Aug. 15.
Package with reinforced wrapper, Slide dispensing. G. A. Moore. 2,494,446, Jan. 10.
Packaging. C. M. Carson. 2,525,649, Oct. 10.
Packaging. A. B. Clunan. 2,525,651, Oct. 10.
Packaging. H. Jenett. 2,518,423, Aug. 8.
Packaging and displaying device. M. Essman. 2,524,345, Oct. 3.
Packaging apparatus, Pouch. G. H. Whetzell. 2,521,196, Sept. 5.
Packaging apparatus, Solid carbon dioxide cake. S. T. Robinson, Jr. 2,507,996, May 16.
Packaging baked goods. W. Swartz. 2,502,635, Apr. 4.
Packaging by extrusion. C. E. Slaughter. 2,503,518, Apr. 11.
Packaging for handled tools. J. W. Cochran. 2,501,811, Mar. 28.
Packaging hosiery. E. Y. Mauney. 2,521,529, Sept. 5.
Packaging loose, flowing commodities, Method and apparatus for. H. P. Lewis. 2,522,682, Sept. 19.
Packaging lumped commodities. A. F. Ottinger. 2,502,586, Apr. 4.
Packaging machine. J. W. Hall and L. A. Cline. 2,500,819, Mar. 14.
Packaging machine. C. E. Palmer and F. J. Kostohryz. 2,523,667, Sept. 26.
Packaging machine. T. Rapp. 2,527,960, Oct. 31.
Packaging machine, Bottle. J. Cattonar and G. Olm. 2,524,880, Oct. 10.
Packaging machine for candy, cookies, and the like. O. Sandberg. 2,512,074, June 20.
Packaging machine having confection conveying means and a horizontally arranged suction means for opening bags to receive the confections, Confection. V. Blanchard. 2,528,997, Nov. 7.
Packaging machine, Straw. J. B. West. 2,528,930, Nov. 7
Packaging machinery. O. Sandberg. 2,512,073, June 20.
Packaging material. C. Q. Ives. 2,518,550, Aug. 15.
Packaging means for annular devices. J. B. Janney. 2,527,819, Oct. 31.
Packaging metal sheets for shipment. R. O. Hammer. 2,526,228, Oct. 17.
Packaging structure. J. H. Roush. 2,517,801, Aug. 8.
Packer assembly. W. F. Silvey. 2,531,791, Nov. 28.
Packer, Case. F. Nakaura. 2,500,699, Mar. 14.
Packer, Deformable. W. S. Crake. 2,519,116, Aug. 15.
Packer for casing heads, Protecting. D. U. Shaffer. 2,533,059, Dec. 5.
Packet making or other machines comprising intermittently rotatable disks or turrets. G. Dearsley. 2,512,922, June 27.
Packing. W. J. Elvin and G. L. McLuckie. 2,509,290, May 30.
Packing. R. J. Hess. 2,525,747, Oct. 10.
Packing. R. O. Isenbarger. 2,509,436, May 30.
Packing. V. W. Peterson and O. J. Maha. 2,495,660, Jan. 24.
Packing and seal, Hydraulic. A. C. Waring. 2,494,598, Jan. 17.
Packing apparatus. G. A. Krause and A. Grunewald. 2,510,343, June 6.
Packing construction for pump shafts or the like. J. H. Moses and J. S. Kessler. 2,509,162, May 23.
Packing construction for pumps or the like. A. B. Perry and L. S. Hamer. 2,534,530, Dec. 19.
Packing device. P. E. Thomas. 2,516,811, July 25.
Packing device for dump trucks, Mechanical. G. B. Wood. 2,511,556, June 13.
Packing device for fluid pressure apparatus. P. W. Thornhill. 2,513,533, July 4.
Packing device, Garment. W. W. McFall. 2,508,579, May 23.
Packing fluid substances in cans. J. Felber. 2,534,254, Dec. 19.
Packing for rotatable surfaces. J. E. Englesson. 2,516,191. July 25.
Packing gland. H. G. Wasserlein. 2,532,210, Nov. 24.
Packing, High-speed. A. H. Heineman. 2,525,800, Oct. 17.
Packing keeper. J. P. Morris. 2,503,122, Apr. 4.
Packing machine, Can. A. L. Christiansen. 2,518,223, Aug 8.
Packing machinery, Vegetable. W. Dodge. 2,513,459, July 4.
Packing means. A. L. Parker. 2,521,248, Sept. 5.
Packing or plunger ring. D. T. Harbison. 2,499,952, Mar. 7.
Packing, Pressure balanced. J. I. Detweiler. 2,520,306, Aug. 29.
Packing, Pump plunger. M. H. Daye. 2,531,672, Nov. 28.
Packing ring. J. L. Gratzmuller. 2,519,563, Aug. 22.
Packless self-sealing plug cock valve. J. F. O'Donnell, 2,505,138, Apr. 25.
Packless valve. J. B. Thomas. 2,495,081, Jan. 17.
Pad: *See*—

Bed pad.	Molded pulp cushion pad.
Bedpan pad.	Molded shoulder pad.
Bust pad.	Rayon-yarn basing pad.
Cleaning pad.	Reservoir ink pad.
Corn pad.	Rubber shoulder pad.
Desk calendar pad.	Saucer pad.
Form fitting heating pad.	Scouring pad.
Hernia pad.	Shoulder pad.
Indented paper pad.	Sorting table pad.
Inking pad.	Suit form pad.
Insulating pad.	Ticket pad.
Light chargeable pad.	Umbilical hernia pad.
Magnetic writing pad.	Vibration isolator pad.
Metallic wool pad.	Violin pad.
Metatarsal pad.	

Pad and manufacture, Cushion. C. H. Schuh. 2,517,724, Aug. 8.
Pad assembly, Testing. A. H. Pederson, G. E. Holback, and T. R. Darmody, Jr. 2,514,511, July 11.
Pad construction. G. A. Prager. 2,507,543, May 16.
Pad dispenser. E. W. Barszcz. 2,528,488, Nov. 7.
Pad-dyeing. N. S. Cassel and A. T. Clifford. 2,515,170, July 18.
Pad dyeing of cellulose derivative fabrics with an alcoholic solution followed by padding with an aqueous thiocyanate solution. C. M. Croft and T. S. Waller. 2,511,103, June 13.
Pad for automotive vehicles, Scuff. A. P. Fergueson. 2,525,595, Oct. 10.
Pad for bathtubs, Protective. D. Rinaldi. 2,495,602, Jan. 24.
Pad for garments, Adjustable shoulder. M. Brief. 2,502,505, Apr. 4.
Pad for garments and the like, Shoulder. B. and N. Skirow. 2,511,483, June 13.
Pad for garments, Removable shoulder. H. H. Woodward. 2,501,640, Mar. 21.
Pad for garments, Replaceable shoulder. B. M. Weber. 2,497,382, Feb. 14.
Pad for ironer rolls. H. O. Mamaux. 2,498,499, Feb. 21.

Pad for spectacles, Adjustable nose. E. A. Brandt. 2,501,259, Mar. 21.
Pad for telephones, Crepe tissue protective. S. J. Hartwell and W. J. Kusch. 2,507,375, May 9.
Pad for the application or removal of cosmetics. O. A. Berman. 2,528,812, Nov. 7.
Pad for wind instruments, Stop. J. A. Collis. 2,534,660, Dec. 19.
Pad gripper and locking and manipulating device therefor, Scouring. F. H. Ellinger. 2,514,481, July 11.
Pad holder. D. Jenkins. 2,504,694, Apr. 18.
Pad of paper sheets. L. R. Schuessler. 2,530,634, Nov. 21.
Pad, particularly useful in permanent waving of human hair, Chemical heating. M. J. Root and R. E. Reed. 2,533,958, Dec. 12.
Pad press. C. S. Wilson. 2,526,987, Oct. 24.
Pad roller device for motion-picture projecting machines. E. Boecking. 2,530,448, Nov. 21.
Pad with pockets, Metal fabric cleaning. F. De Angelis. 2,517,637, Aug. 8.
Pad with strap fastener, Heating. J. D'Albora. 2,498,983, Feb. 28.
Padding or tableting press. J. L., A. C., and C. S. Goines. 2,499,744, Mar. 7.
Padding rack. F. J. Holtz. 2,503,112, Apr. 4.
Paddle for paint, etc., Mixing. H. E. Gilliam. 2,526,863, Oct. 24.
Paddle, Paint-mixing. F. W. Renz. 2,524,475, Oct. 3.
Paddle, Solder-smoothing. F. E. Betron and L. H. Hubbard. 2,524,371, Oct. 3.
Padlock. J. P. J. Vickers. 2,496,320, Feb. 7.
Pail hanger. N. C. Heinrich. 2,508,258, May 16.
Pail holder. H. C. Erickson. 2,513,631, July 4.
Pail, Minnow. M. P. Janisch. 2,531,628, Nov. 28.
Paint and varnish. J. H. Wells and P. J. Wilson, Jr. 2,494,418, Jan. 10.
Paint baking apparatus. F. K. Root and A. M. Garey. 2,500,872, Mar. 14.
Paintbox. J. Dumas. 2,515,703, July 18.
Paintbox. S. Pinanski. 2,533,618. Dec. 12.
Paintbrush. G. S. Pettengill. 2,532,780, Dec. 5.
Paintbrush and synthetic bristles for the same. J. J. Reis, Jr. 2,508,799, May 23.
Paintbrush, Continuous flow. R. F. Anson. 2,504,487, Apr. 18.
Paintbrush embodying handle drip chamber. A. F. Wirth. 2,493,329, Jan. 3.
Paintbrush having detachable brush sections. U. Parks. 2,509,013, May 23.
Paintbrush holder. R. A. Braswell. 2,535,260, Dec. 26.
Paintbrush holder. J. Comfort. 2,533,354, Dec. 12.
Paintbrush holder. C. G. Davis. 2,508,707, May 23.
Paintbrush holder. G. F. Divis. 2,521,049. Sept. 5.
Paintbrush holder. H. C. Kerby. 2,529,257, Nov. 7.
Paintbrush, Mechanical. D. P. Darling. 2,498,360, Feb. 21.
Paintbrush, Staple-set. L. R. Schumann. 2,522,305, Sept. 12.
Paintbrush with rotatable and yielding guide for striping, Fountain. W. J. Gebien. 2,534,589, Dec. 19.
Paintbrush with scraper blade. E. J. Ranft. 2,533,838, Dec. 12.
Paint can attachment. E. C. Day. 2,532,895, Dec. 5.
Paint can holder. S. M. Beaver. 2,524,875, Oct. 10.
Paint compositions from catalytically conjugated oils. A. J. Lewis, H. A. Moser, and J. C. Cowan. 2,494,565, Jan. 17.
Paint containing methyl silicone resin, boric acid, and a lead compound, Heat-resistant. P. Zurcher. 2,495,306, Jan. 24.
Paint, Heat-resistant. P. Robey. 2,524,357. Oct. 3.
Paint material. R. G. Houser. 2,532,099, Nov. 28.
Paint, Mildew resistant. A. J. Lewis. 2,517,580, Aug. 8.
Paint mixer. P. Marienthal. 2,521,384, Sept. 5.
Paint pigments, Mica-coated metallic. E. T. Clayton. 2,528,034, Oct. 31.
Paint remover composition. L. E. Kuentzel. 2,507,983–5, May 16.
Paint striper, Universal. A. V. Eklov. 2,517,099, Aug. 1.
Paint, Water-emulsion. L. L. Ryden. 2,498,712, Feb. 28.
Painter, Fountain type screen. J. Beyers. 2,520,271, Aug. 29.
Painter's scaffold hanger. H. L. Smith. 2,530,791, Nov. 21.
Painting device for round surfaces. F. C. Phillips. 2,535,451, Dec. 26.
Paints and compositions of matter, Antifouling. W. H. Hill. 2,521,720, Sept. 12.
Paints, Antifouling. D. A. Skinner and T. F. Doumani. 2,533,744, Dec. 12.
Paints, Water paste. B. O. Newman. 2,511,782, June 13.
Pallet. O. F. Arthur. 2,530,752, Nov. 21.
Pallet. L. A. Benoist and D. I. Pursley. 2,503,022, Apr. 4.
Pallet. A. R. Golrick. 2,509,682, May 30.
Pallet. F. A. Leisen. 2,519,839, Aug. 22.
Pallet. W. J. Philp. 2,524,599, Oct. 3.
Pallet and crate structure, Combined. B. C. Colt, Jr. 2,513,452, July 4.
Pallet construction. M. L. Crawford. 2,506,346, May 2.
Pallet construction. W. C. George. 2,501,506, Mar. 21.
Pallet feeding device for concrete block machines. P. E. Bohm, Sr. 2,515,438, July 18.
Pallet, Load supporting. A. Bartel. 2,523,271, Sept. 26.
Pallet, Load supporting. M. Brandon, F. P. Robinson, and L. J. Budd. 2,507,588, May 16.
Pallet, Loading. P. J. Yarman. 2,493,562, Jan. 3.
Pallet, Nesting metal. S. C. Porter. 2,503,562, Apr. 11.
Palletized container. A. H. Thursby. 2,494,730, Jan. 17.
Pallets, Making. L. J. Budd. 2,528,413, Oct. 31.
Pan-advance adjusting mechanism for oven feeding machines. R. L. Brosemer. 2,509,475, May 30.
Pan, Coaster. W. Ruka. 2,493,315, Jan. 3.
Pan cover. A. L. Langel. 2,512,064, June 20.
Pan, Flush tank drip. S. C. and H. J. Qualheim. 2,509,881, May 30.
Pan for beauticians' wash sinks, Removable cold wave or die. F. G. Upchurch. 2,496,684, Feb. 7.
Pan for poultry housing, Droppings. C. O. Fell. 2,523,615, Sept. 26.
Pan for stoves and the like, Auxiliary fuel. J. W. Lucas. 2,519,263, Aug. 15.
Pan for threshing machines, Sectional grain. D. Cockrell. 2,500,803, Mar. 14.
Pan, Frankfurter roll. F. Bienert. 2,503,318, Apr. 11.
Pan having areas of greater heat sensitivity, Frying. P. Tilford. 2,515,617, July 18.
Panhead for a tripod. C. J. Krco. 2,500,290, Mar. 14.
Pan, Multiple. A. L. Langel. 2,507,109, May 9.
Pan, Multiple baking. A. L. Langel. 2,532,109, Nov. 28.
Pan, Self-basting frying. H. Ashworth and F. P. Healy. 2,499,083, Feb. 28.
Pan type vapor burner. S. S. Bennett. 2,530,675, Nov. 21.
Pan with separator blade therefor, Baking. D. M. Swarthout. 2,528,561, Nov. 7.
Panel, Acoustic. D. Gonda. 2,528,049, Oct. 31.
Panel and making the same, Laminated. L. B. Weymouth. 2,517,069, Aug. 1.
Panel and manufacture, Trim. A. W. Prance. 2,504,874, Apr. 18.
Panel and warming means therefor, Prefabricated. M. C. Richardson. 2,521,540, Sept. 5.
Panel board. W. Robertson and L. W. Higgins. 2,511,995, June 20.
Panel, Building. A. C. Wells. 2,513,977, July 4.
Panel, Cellular radiant heating. J. L. Reynolds. 2,512,875, June 27.
Panel, Composition shake. C. F. Humble. 2,501,221, Mar. 21.
Panel concealed folding ironing board. M. H. Lyon. 2,527,682, Oct. 31.
Panel construction, Decorative furniture. A. E. Fridolph. 2,508,506, May 23.
Panel construction, Double walled. G. B. Heijmer, B. E. Sanda and K. G. Trobeck. 2,524,663, Oct. 3.
Panel for heating and cooling systems, Radiating. H. Borghesan. 2,523,807, Sept. 26.
Panel for sidings and roofs. A. Elmendorf. 2,532,017, Nov. 28.
Panel for use as a gate. H. O. Wolfe and C. E. Kessler. 2,515,754, July 18.
Panel for use on washbasins, Supporting. H. Ray. 2,509,247, May 30.
Panel forming machine and method, Structural. C. C. Sachs. 2,523,525, Sept. 26.
Panel forming machine, Wall. C. C. Sachs. 2,523,524, Sept. 26.
Panel, Glass electrical heating. T. W. Glynn. 2,523,566, Sept. 26.
Panel heating. J. E. Burton. 2,513,993, July 4.
Panel jacket structure for air conditioning and heating equipment, Interlocking. S. J. Levine. 2,527,226, Oct. 24.
Panel latch. M. N. Farr. 2,513,716, July 4.
Panel, Light controlling. C. Nitardy. 2,510,346, June 6.
Panel, Plastic instrument. B. G. Maynard. 2,507,035, May 9.
Panel, Plywood. A. Elmendorf. 2,514,318, July 4.
Panel, Poster. A. L. Bauers and M. Rosner. 2,522,157–8, Sept. 12.
Panel, Structural. M. Clements. 2,511,620, June 13.
Panels, Manufacture of framed. C. J. Delegard and M. J. Nardulli. 2,531,375, Nov. 21.
Panoramic position indicator. M. Wallace and W. Ieu-Liang Wu. 2,505,314, Apr. 25.
Panoramic receiver for radio signals. R. Hardy. 2,520,141, Aug. 29.
Panoramic receiver frequency marker system. J. J. Godbey. 2,518,461, Aug. 15.
Panoramic receiving system. F. W. Frink. 2,520,138, Aug. 29.
Panoramic sextant having stabilized reticle. W. Wrigley. 2,505,819, May 2.
Panoramic system. H. Hurvitz. 2,507,525, May 16.
Pantie, Maternity. H. E. Miller. 2,513,039, June 27.
Panties, Making seamless. G. Lacks. 2,511,720, June 13.
Pantograph. R. M. Eichmann. 2,496,781, Feb. 7.
Pantograph. J. G. Raynes. 2,497,013, Feb. 7.
Pantothenic acid salts, Preparing certain. E. H. Wilson, J. Weijlard, and M. Tishler. 2,496,363, Feb. 7.
Pants and skirt hanger. A. R. Jones. 2,517,211, Aug. 1.
Pants, Baby. F. W. Andrews. 2,531,900, Nov. 28.
Pants hanger. E. F. McConaha. 2,516,231, July 25.
Pants hanger. G. P. Sellers. 2,533,634, Dec. 12.
Panty. N. Hochbaum. 2,534,024, Dec. 12.

Panty girdle, trunk, or the like. M. C. Fridolph. 2,522,510, Sept. 19.
Papaverine hydrochloride, Producing pure. M. M. Baizer. 2,507,086, May 9.
Papavarine hydrochloride, Producing pure. M. M. Baizer. 2,507,135, May 9.
Paper and a water-detecting coating composition therefor, Water-detecting. M. S. Kantrowitz and E. J. Gosnell. 2,515,232, July 18.
Paper and making, Plaster of Paris containing. E. Q. Moses. 2,530,986, Nov. 21.
Paper and making same, Coated. D. R. Erickson. 2,502,783, Apr. 4.
Paper and making same, Coated. F. H. Frost. 2,520,900, Sept. 5.
Paperboard and making same, Coated. H. C. Fisher and B. E. Sooy. 2,515,340, July 18.
Paperboard box. J. D. Crary and H. M. Mathers. 2,527,705, Oct. 31.
Paper, Capacitor. R. J. Hopkins and R. C. Sproull. 2,505,545, Apr. 25.
Paper, Carbon. C. B. Cook, Jr. 2,496,856, Feb. 7.
Paper, Cigarette. W. D. Harrison and R. E. Matthews. 2,503,267, Apr. 11.
Paper clip. H. C. Yale. 2,493,052, Jan. 3.
Paper container. R. S. Sanford. 2,530,787, Nov. 21.
Paper cup dispenser. S. N. Hope. 2,534,169, Dec. 12.
Paper cup holder. H. Carew. 2,509,133, May 23.
Paper-cutting and delivery mechanism for web cylinder lithographing or printing presses. L. M. Stempel. 2,509,047, May 23.
Paper-cutting machine. V. Z. Lynnequest. 2,524,917, Oct. 10.
Paper-cutting machine. J. L. Surprenant. 2,506,750, May 9.
Paper-cutting machine. I. L. Young. 2,530,319, Nov. 14.
Paper, Dusting and polishing. H. I. Jones. 2,495,066, Jan. 17.
Paper fastener. J. D. Crary. 2,514,939, July 11.
Paper fastener. E. Kern. 2,507,912, May 16.
Paper fastener. S. Segal. 2,498,901, Feb. 28.
Paper feeding and guiding mechanism for typewriters. J. C. Veltman and W. O. Michelsen. 2,527,859, Oct. 31.
Paper feeding mechanism for typewriters. E. Miller. 2,506,934, May 9.
Paper file fastener. F. L. Innacelli. 2,529,497, Nov. 14.
Paper file fastener. F. L. Innacelli. 2,532,313, Dec. 5.
Paper folding machine and method. L. T. Hand. 2,531,213, Nov. 21.
Paper for electrical devices, Cellulose acetate coated dielectric. F. M. Clark. 2,526,330, Oct. 17.
Paper hanger's folding table. I. C. Reinard. 2,513,518, July 4.
Paper hanger's straight edge gauge. J. J. Miller. 2,495,275, Jan. 24.
Paper hanger's tool. L. R. Smith. 2,507,056, May 9.
Paper-hanging device for papering ceilings. W. A. Vircks. 2,498,595, Feb. 21.
Paper machine. B. Trevisan. 2,535,970, Dec. 26.
Paper machine drier. B. A. Malkin. 2,521,735, Sept. 12.
Papermaking machine. D. V. Smith and G. W. Miles. 2,521,261, Sept. 5.
Papermaking machine, Cylinder mold. C. N. Nilson. 2,520,327, Aug. 29.
Paper manufacture, Indented. C. R. Walker. 2,502,112, Mar. 28.
Paper match holder. K. R. Hagen. 2,518,885, Aug. 15.
Paper of asbestos and bentonite, Insulating. T. R. Walters. 2,493,604, Jan. 3.
Paper products and making the same. C. S. Francis, Jr. 2,526,125, Oct. 17.
Paper products, Multiweb bonded. G. V. Caesar, J. V. Bauer, and D. M. Hawley. 2,496,440, Feb. 7.
Paper punch. J. A. Yerkes. 2,524,583, Oct. 3.
Paper punch. J. A. Yerkes. 2,534,094, Dec. 12.
Paper roll. R. C. Moore. 2,512,168, June 20.
Paper roll, Composite. M. B. Reid. 2,502,749, Apr. 4.
Paper roll device. P. J. Tarzian. 2,517,809, Aug. 8.
Paper roll dispenser. C. H. Dantzler. 2,515,990, July 18.
Paper roll holder. J. Bozoti. 2,500,514, Mar. 14.
Paper, Sized. R. N. Woodward. 2,514,689, July 11.
Paper smoothing tool. W. Ort. 2,495,472, Jan. 24.
Paper treated with formaldehyde and a polymeric polyamine. M. E. Cupery. 2,526,638, Oct. 24.
Paper trimming device. S. L. Calgary. 2,527,620, Oct. 31.
Paper, Water-vapor resistant coated. A. Szwarc. 2,496,566, Feb. 7.
Paper web supporting and feeding means for recording machines. W. J. Higgins and C. H. Bradt. 2,509,684, May 30.
Paper yarn, Making. H. D. Kitchen. 2,532,923, Dec. 5.
Papers, Creping corrugated. W. W. Rowe. 2,494,723, Jan. 17.

Parachute. G. L. Fogal. 2,501,670, Mar. 28.
Parachute. J. R. C. Quilter. 2,517,417, Aug. 1.
Parachute, Airfoil. W. C. Buhler. 2,523,276, Sept. 26.
Parachute and controls, Rotary wing. I. B. Bensen. 2,526,451, Oct. 17.
Parachute and releasing means, Pack-type. J. W. Horning. 2,497,772, Feb. 14.
Parachute assembly, Portable. H. J. Moran. 2,495,341, Jan. 24.
Parachute composed of alternating taut and loose ribbons. F. S. Weinig. 2,494,600, Jan. 17.
Parachute construction. E. F. Hiscock. 2,511,263, June 13.
Parachute container of folded paper. L. P. Frieder and W. S. Finken. 2,508,754, May 23.
Parachute control apparatus. J. R. C. Quilter. 2,505,869, May 2.
Parachute for aerodynamic braking of airplanes. C. L. Weaver. 2,525,844, Oct. 17.
Parachute harness. C. C. Kajdan. 2,516,004, July 18.
Parachute harness fastener. J. F. Smith. 2,526,705, Oct. 24.
Parachute pack. C. L. Noelcke, Sr. 2,519,923, Aug. 22.
Parachute, Paper. J. H. Strong. 2,495,873, Jan. 31.
Parachute, Pilot. L. P. Frieder and W. S. Finken. 2,505,954, May 2.
Parachute release mechanism. J. L. Hight. 2,504,125, Apr. 18.
Parachute, Ribbon. G. L. Fogal. 2,500,170, Mar. 14.
Parachute rigging or harness. R. Tauty. 2,527,972, Oct. 31.
Parachute, Rotating vane. G. W. Crise. 2,509,481, May 30.
Parachute, Rotating wing. V. Isacco. 2,506,873, May 9.
Parachute, Shockless. M. Hattan. 2,525,798, Oct. 17.
Parachute, Treated paper. R. Anzalone. 2,516,444, July 25.
Parachute, Variable load. F. R. Vlasic. 2,500,220, Mar. 14.
Paradichlorobenzene. G. A. Webb. 2,527,606, Oct. 31.
Paraffin cutter. D. J. McDuffie. 2,521,076, Sept. 5.
Paraffins and olefins, Dehydrogenating. I. D. Hall. 2,529,293, Nov. 7.
Paraformaldehyde from formaldehyde-containing gas. J. F. Walker. 2,529,269, Nov. 7.
Paraformaldehyde, Production of. B. W. Grrenwald and R. K. Cohen. 2,498,206, Feb. 21.
Parallel motion multiple spindle head. F. G. Zagar. 2,522,736, Sept. 19.
Parallel operation of converters. J. L. Boyer. 2,523,090, Sept. 19.
Parallel operation of vibrator systems. J. A. Mas. 2,498,893, Feb. 28.
Paramagnetic coin separator. R. M. Foushee. 2,528,690, Nov. 7.
Para-quinone dioxime, Preparation of. S. B. Lippincott and L. A. Mikeska. 2,507,112, May 9.
Parasiticidal synergistic composition of benzene hexachloride and 2,4-dinitro-phenols. G. E. Lynn. 2,499,396, Mar. 7.
Para-vinylbenzyl compounds. W. S. Emerson. 2,531,355, Nov. 21.
Para-xylene, Production and recovery of. S. F. Birch, F. A. Fidler and J. N. Haresnape. 2,532,276, Dec. 5.
Para xylene, Production of. R. G. Dressler. 2,533,232, Dec. 12.
Parcel bag. W. Simpson. 2,516,266, July 25.
Parking brake. G. E. Roedding and H. C. Mead. 2,507,997, May 16.
Parking of electrically driven windshield wipers. C. R. Sacchini. 2,528,181, Oct. 31.
Parking system, Automobile. F. Mariano. 2,493,493, Jan. 3.
Parlor stall. C. A. Thomas. 2,528,255, Oct. 31.
Particle separator. E. T. Linderoth. 2,506,273, May 2.
Particles and apparatus therefor, Producing and recovering fine carbon smoke. S. H. Katz. 2,528,522, Nov. 7.
Partition, Adjustable. S. N. Stolzoff. 2,504,466, Apr. 18.
Partition and support therefor for beds. G. H. Randel. 2,510,656, June 6.
Parts storing cabinet. J. A. Belcher. 2,530,220, Nov. 14.
Party identification in automatic telephony. J. E. Ostline. 2,535,509, Dec. 26.
Passbook. B. Stilwell. 2,526,093, Oct. 17.
Paste and water dispensing brush. S. L. Ijams. 2,522,617, Sept. 19.
Paste applying device. J. Klesper. 2,523,220, Sept. 19.
Paste dispenser. R. S. Cicero. 2,515,440, July 18.
Paste dispenser. C. F. Geyer. 2,496,004, Jan. 31.
Paste feed mechanism for can labeling and like machines. D. W. Bingham. 2,510,492, June 6.
Paste, Screening. M. Axelrod. 2,520,992, Sept. 5.
Paste with iron exchange expander, Storage battery. C. H. Rasch. 2,514,415, July 11.
Paster, Mechanical wallpaper. C. W. Hesson. 2,514,238, July 4.
Pastes of gas fume fading inhibitors for acetate silk dyes, Water-dispersible. F. H. Smith. 2,518,393, Aug. 8.
Pasting and trimming machine, Wallpaper. J. B. Johnston. 2,531,219, Nov. 21.
Pasting and trimming machine, Wallpaper. C. R. Lamb. 2,502,796, Apr. 4.
Pasting device, Wallpaper. J. S. Drienka. 2,496,581, Feb. 7.
Pasting machine and trimmer, Wallpaper. C. E. McClure. 2,498,996, Feb. 28.
Pasting machine, Wallpaper. H. A. Bixby. 2,512,221, June 20.

Pasteurizer. E. K. Malme. 2,513,577, July 4.
Pasteurizing milk, etc. G. H. Brown. 2,510,796, June 6.
Pasteurizing system. R. E. Olson and G. E. Heller. 2,522,796, Sept. 19.

Pastry cutter. R. D. Harris. 2,499,309, Feb. 28.
Pastry forming device. W. L. Frey. 2,505,536, Apr. 25.
Pastry whip. E. S. Nordgarden. 2,499,074, Feb. 28.
Patch for propeller shafts, Diver's. G. B. Rowley and R. W. Clements. 2,508,078, May 16.
Patch unit for vulcanizers. J. W. Speaker. 2,513,757, July 4.
Patch vulcanizing apparatus. A. D. Slatkin. 2,504,460, Apr. 18.
Patching. H. Poss. 2,512,469, June 20.
Patching motion-picture film. R. C. Mercer. 2,506,933, May 9.
Patient supporting means. H. M. Shaw. 2,516,925, Aug. 1.
Pattern composition. C. C. Weston. 2,525,984, Oct. 17.
Pattern control means for shotguns. G. B. Crandall. 2,512,850, June 27.
Pattern, Dental. C. N. Skinner. 2,508,546, May 23.
Pattern for foundry casting molds. D. Arnette. 2,529,647, Nov. 14.
Pattern mechanism for knitting machines. A. E. and F. R. Page. 2,498,092, Feb. 21.
Patterns for sheet stamping dies, Making. W. J. Bentsen. 2,495,402, Jan. 24.
Patty forming machine, Hamburg steak. F. S. Elsaesser. 2,509,971, May 30.
Patty forming machine, Hamburg steak. F. S. Elsaesser. 2,528,125, Oct. 31.
Pavement. K. E. McConnaughay. 2,524,395, Oct. 3.
Pawl, Quick release detent. A. C. Howard. 2,501,603, Mar. 21.
Peak comparator circuit. D. M. Jacob. 2,511,671, June 13.
Peanut butter incorporating smoked Smithfield meat. J. D. Gwaltney. 2,515,036, July 11.
Peanut-digging machine. I. F. Reed and O. A. Brown. 2,517,597, Aug. 8.
Peanut products and preparing the same. J. T. Owen. 2,494,717, Jan. 17.
Peanut protein, The manufacture of. J. C. Arthur, Jr. 2,529,477, Nov. 14.
Peanuts, Preparing. W. L. Whitehead. 2,510,534, June 6.
Pearlescent articles, Producing. E. M. McElligott. 2,516,065, July 18.
Pebble heater. J. F. Church. 2,532,606, Dec. 5.
Pebble heater process. J. F. Church. 2,531,725, Nov. 28.
Pebble heating chamber. S. P. Robinson. 2,534,625, Dec. 19.
Pedal. F. L. Haushalter and G. G. Hunter. 2,507,009, May 9.
Pedal, Accelerator. C. P. Pinardi and D. L. Poole. 2,532,189, Nov. 28.
Pedal arrangement for controlling phonograph transcriber switches, Foot. R. L. Stone and F. E. Runge. 2,535,021, Dec. 19.
Pedal attachment, Accelerator. H. B. Rodd. 2,521,606, Sept. 5.
Pedal, Bicycle. E. Streifthau. 2,512,841, June 27.
Pedal clavier for musical instruments. L. Hammond and G. H. Stephens. 2,499,244, Feb. 28.
Pedal control for rheostats. E. H. Alkire. 2,534,939, Dec. 19.
Pedal depressor tool. J. E. Digman. 2,513,850, July 4.
Pedal extension. O. S. Olsen. 2,518,056, Aug. 8.
Pedal extension. H. E. Townsend. 2,504,056, Apr. 11.
Pedal for motor vehicles, Combined. F. M. Redmon, Sr. 2,499,280, Feb. 28.
Pedal for motor vehicles, Control. J. J. Wharam and J. J. Felts. 2,497,283, Feb. 14.
Pedal, Light reflecting bicycle. M. Rider. 2,498,134, Feb. 21.
Pedestal. W. C. Walsh. 2,514,109, July 4.
Pedestal, Chair. B. J. Oom. 2,512,171, June 20.
Pedestal, Display. G. E. Carr. 2,495,315, Jan. 24.
Pedestal, Dressmaker's. R. G. Mayo. 2,512,068, June 20.
Pedicure appliance. J. Patulski. 2,517,232, Aug. 1.
Peeler, Egg, fruit, and vegetable. M. J. Murphy. 2,521,245, Sept. 5.
Peeler, Orange. D. S. and H. C. Morishita. 2,528,071, Oct. 31.
Peeler, Pilot-controlled potato. T. F. Mason. 2,521,987, Sept. 12.
Peeling apparatus, Vegetable. J. B. Patterson. 2,516,250, July 25.
Peeling device, Egg. P. Kelley. 2,501,679, Mar. 28.
Peeling machine having rotatable chain-carrying drum, Post. C. Mathewson and E. Carter. 2,520,421, Aug. 29.
Peeling of mucilaginous seeds, Flame. P. E. Ramstad, K. J. Young, and J. A. Esser. 2,523,635, Sept. 26.
Peening machine, Centrifugal ball. R. D. Haworth, Jr., and W. E. Mahin. 2,508,333, May 16.
Peep sight, Adjustable. W. G. Caster. 2,511,245, June 13.
Peg, Clothes. B. O. G. Andersson. 2,515,286, July 18.
Peg, Clothes. H. A. Fauteux, Jr. 2,506,783, May 9.
Peg for mechanical grippers, Depth. T. P. N. Burness and A. Johnson. 2,513,138, June 27.
Pegging machine, Armature. H. V. Williams. 2,512,403, June 20.
Pelleting carbon black. W. W. Crouch. 2,526,120, Oct. 17.
Pelleting carbon black. T. H. Whaley, Jr. 2,511,088, June 13.
Pelleting magnesium dust. E. W. Adams. 2,514,616, July 11
Pellets, Forming spherical. C. W. Greenhalgh. 2,510,574, June 6.
Pelorus having adjustable prism and reflection shield. H. Phillips. 2,498,768, Feb. 28.
Pen. D. C. Weston. 2,497,249, Feb. 14.
Pen and pencil device, Retractable. F. C. Wallace. 2,505,162, Apr. 25.
Pen and pencil holder. D. Haslup. 2,518,989, Aug. 15.
Pen and sandbox, Combination play. K. I. Kaye. 2,529,951, Nov. 14.
Pen, Ball point. V. H. Lust. 2,502,866, Apr. 4.
Pen, Ball point fountain. D. B. Canaday, Jr. 2,521,038, Sept. 5.
Pen, Ball-pointed. L. Coler-Dark. 2,500,979, Mar. 21.
Pen, Ball-pointed. H. D. Morris. 2,500,998, Mar. 21.
Pen-bed, Baby's automobile traveling. R. G. Hall. 2,533,792, Dec. 12.
Pen, Cartridge fountain. J. F. Sweet. 2,517,453, Aug. 1.
Pen, Child's play. W. E. Fischer. 2,498,203, Feb. 21.
Pen closure, Stock. W. H. Marks. 2,512,954, June 27.
Pen, Collapsible play. H. E. Dunn. 2,523,422, Sept. 26.
Pen, Combination. E. L. Villarin. 2,517,060, Aug. 1.
Pen desk set. R. Gruen. 2,503,043, Apr. 4.
Pen desk set. L. Moholy-Nagy. 2,503,061, Apr. 4.
Pen, Drawing. L. W. Gunn, Jr. 2,507,005, May 9.
Pen, Dual-well fountain. R. T. Wing. 2,509,465, May 30.
Pen, Fountain. M. S. Baker. 2,528,327, Oct. 31.
Pen, Fountain. C. A. Barstow. 2,519,341, Aug. 22.
Pen, Fountain. F. E. Bartell. 2,522,555, Sept. 19.
Pen, Fountain. H. A. Bauer. 2,523,411, Sept. 26.
Pen, Fountain. L. Claret. 2,519,635, Aug. 22.
Pen, Fountain. J. V. Dearman. 2,521,285, Sept. 5.
Pen, Fountain. T. B. Gibbs. 2,518,770, Aug. 15.
Pen, Fountain. W. F. Johnson. 2,519,966, Aug. 22.
Pen, Fountain. H. C. Klagges and H. C. Kofke. 2,500,833, Mar. 14.
Pen, Fountain. F. Y. Kuriyama. 2,498,166, Feb. 21.
Pen, Fountain. H. G. Martin. 2,495,013, Jan. 17.
Pen, Fountain. L. A. Paul. 2,495,179, Jan. 17.
Pen, Fountain. C. W. Peters. 2,502,102, Mar. 28.
Pen, Fountain. W. H. Petit. 2,511,369, June 13.
Pen, Fountain. A. G. Rosa. 2,504,353, Apr. 18.
Pen, Fountain. H. R. Segal. 2,500,386, Mar. 14.
Pen, Fountain. V. H. Severy. 2,521,657, Sept. 5.
Pen, Fountain. J. A. Snodgrass. 2,514,729, July 11.
Pen, Fountain. P. L. Wikheim. 2,498,384, Feb. 21.
Pen, Fountain. R. T. Wing. 2,512,004, June 20.
Pen, Fountain. F. R. Wittnebert. 2,522,553, Sept. 19.
Pen, Fountain. H. H. Zodtner. 2,522,554. Sept. 19.
Pen, Fountain. H. H. Zodtner. 2,528,408, Oct. 31.
Penholder, Desk. J. G. Lippincott. 2,519,675, Aug. 22.
Pen, Lettering. E. G. Henry. 2,529,156, Nov. 7.
Pen or pencil clip. W. I. Randle. 2,513,516, July 4.
Pen or pencil holder. R. A. Thompson. 2,501,552, Mar. 21.
Pen or pencil, Telescoping. L. G. Dufilho. 2,518,128, Aug. 8.
Pen point. H. G. Beumer. 2,511,561, June 13.
Pen point cleaner. A. B. Wikstrom. 2,497,709, Feb. 14.
Pen, Protector. E. A. Clark. 2,516,366. July 25.
Pen rule. W. I. Carlson. 2,508,372, May 23.
Pen sac and making same. A. L. Rhoton. 2,525,272, Oct. 10.
Pen, Sectional collapsible play. J. C. Hansen. 2,508,110, May 16.
Penstock, Welded. H. H. Needham. 2,502,877, Apr. 4.
Pen, Typewriter ruling. R. H. Gillmor. 2,516,623, July 25.
Pens, Twin fountain. W. K. Reddemann. 2,513,201, June 27.
Penaldic acids and their derivatives, Manufacture of. S. A. Morell and R. W. von Korff. 2,516,900, Aug. 1.
Penaldic acids and their derivatives, Manufacture of. S. A. Morell and R. W. Von Korff. 2,517,588, Aug. 8.
Pencil attachment. L. C. Van Benschoten. 2,535,823, Dec. 26.
Pencil, Drafting. R. I. Martin. 2,514,003, July 4.
Pencil for writing on waxed paper, Heated. L. L. Simkins. 2,494,412, Jan. 10.
Pencil having different leads selectable from magazines therein, Mechanical. L. Bouhier. 2,520,796, Aug. 29.
Pencil having means for sharpening the lead, Mechanical. E. H. Kuper. 2,512,208, June 20.
Pencil holder. S. Le Vine. 2,500,837, Mar. 14.
Pencil holder. C. E. Smith. 2,515,741, July 18.
Pencil holder. F. W. White. 2,510,302, June 6.
Pencil, lead therefor, and making same, Wood encased. J. R. Grieco. 2,515,118, July 11.
Pencil, Lumber. W. W. Moru. 2,528,385, Oct. 31.
Pencil, Magazine. J. A. Harvey. 2,512,273, June 20.
Pencil, Mechanical. K. T. Bleuer. 2,506,917, May 9.
Pencil, Mechanical. F. Ferber. 2,517,297, Aug. 1.
Pencil, Mechanical. G. Lynn. 2,496,554. Feb. 7.
Pencil, Mechanical. J. H. Mason. 2,528,839, Nov. 7.
Pencil, Mechanical. C. G. Nielsen. 2,501,612. Mar. 21.
Pencil, Mechanical. D. W. Powell. 2,502,277. Mar. 28.
Pencil, Mechanical. H. W. Sams. 2,494,967. Jan. 17.
Pencil, Mechanical. A. Schweitzer. 2,514,610. July 11.
Pencil, Mechanical. B. D. Smith. 2,511,301, June 13.
Pencil, Mechanical. B. J. Stoller. 2,505,438, Apr. 25.
Pencil, Mechanical. B. Zelenitz. 2,502,773. Apr. 4.
Pencil, Multicolor. H. M. Rem. 2,519,502, Aug. 22.

Pencil of screw feed type, Mechanical. W. J. Parish. 2,520,888, Aug. 29.
Pencil of the selective plural instrument type, Mechanical. D. F. Steuck. 2,503,007, Apr. 4.
Pencil point, Cushioned. J. A. Engel, Jr. Re. 23,256, Aug. 22.
Pencil pointing device. G. E. Harrington. 2,504,194, Apr. 18.
Pencil, Propelling magazine. V. Votruba. 2,515,917, July 18.
Pencil, Push button type mechanical. R. F. Perraud. 2,526,268, Oct. 17.
Pencil, Push-cap operated. V. Votruba. 2,532,748, Dec. 5.
Pencil, Sectional. J. W. McPhee. 2,493,892, Jan. 10.
Pencil, Selective multicolor. W. E. and W. H. Jacobsen. 2,514,953, July 11.
Pencil, Several color lead holder. C. Bergonzo. 2,530,674, Nov. 21.
Pencil, Step-by-step type. A. P. Lynn. 2,525,229, Oct. 10.
Pencil with lead sharpening means, Mechanical. R. W. Bridges and H. M. Jensen. 2,507,089, May 9.
Pencil with lead storage magazine, Mechanical. R. J. Lynn. 2,509,006, May 23.
Pencil with mechanical means for advancing the lead thereof. F. W. Halverson. 2,523,568, Sept. 26.
Pencil with push-button type lead feeding means, Mechanical. I. D. Tefft and M. S. Baker. 2,503,080, Apr. 4.
Pencil with rotary lead propelling means, Magazine. P. C. Hull and G. W. Gilman. 2,504,420, Apr. 18.
Pencil with screw feed and hopper type magazine, Mechanical. B. D. Smith. 2,532,791, Dec. 5.
Pencil with screw feed, Mechanical. F. M. Aimes. 2,516,938, Aug. 1.
Pencil with screw feed, Mechanically operated. G. H. Weinberger. 2,534,091, Dec. 12.
Pencil with selectively usable leads, Magazine. R. Raimondi. 2,518,932, Aug. 15.
Pencil with slidable lead carriers, Plural. A. W. Augenstein. 2,526,990, Oct. 24.
Pencil with step-by-step push feed, Mechanical. E. C. Hedler. 2,510,312, June 6.
Pendant for lamps, Pull chain. N. Kulay. 2,499,594, Mar. 7.
Pendant, Luminous. J. C. MacLennan. 2,506,800, May 9.
Pendant switch for crane control. W. R. Wickerham. 2,523,170, Sept. 19.
Pendulum level indicator. J. L. Brock. 2,527,982, Oct. 31.
Pendulum, Stabilized vertical. F. E. Null. 2,511,869, June 20.
Pendulum system for grade-angle measurements. D. Silverman, J. D. Eisler, and J. F. Evans. 2,503,423, Apr. 11.
Pendulum-weight apparatus. A. Wirth. 2,508,589, May 23.
Penicillamine, Preparation of. R. Mozingo, J. F. McPherson and K. Folkers. 2,516,240, July 25.
Penicillenic acid G and esters thereof and producing same. R. L. Peck. 2,505,834, May 2.
Penicillin, Aluminum. S. W. Bohls. 2,530,372, Nov. 21.
Penicillin, Extraction of. G. J. Pierotti. 2,503,214, Apr. 4.
Penicillin-like compound, Preparation of a. E. W. Cook and S. Kushner. 2,494,745, Jan. 17.
Penicillin, Manufacture of. W. J. Gilbert. 2,527,304, Oct. 24.
Penicillin, Preparing. Q. R. Bartz. 2,499,290, Feb. 28.
Penicillin product. F. H. Buckwalter. 2,507,193, May 9.
Penicillin, Production of. M. W. Goldberg and S. Teitel. 2,493,625, Jan. 3.
Penicillin, Purification of. G. J. Pierotti, E. A. Anderson, and M. Souders, Jr. 2,503,215, Apr. 4.
Penicillin, Purification of. G. J. Pierotti, R. A. Wilson, and E. A. Anderson. 2,503,216, Apr. 4.
Penicillin salts of aminoacid esters of sterols and preparation thereof. R. D. Coghill, A. W. Weston, and D. W. MacCorquodale. 2,519,112, Aug. 15.
Penicillin salts, Preparing pure, crystalline. E. B. Hodge. 2,520,098, Aug. 22.
Penicillin salts, Production of crystalline. F. W. Bernhart. 2,496,848, Feb. 7.
Penicilloic acid-G and preparation thereof. D. E. Wolf. 2,511,390, June 13.
Penilloic acid and preparation thereof. R. L. Peck and O. Johnson. 2,516,251, July 25.
Pentachlorocyclopentenone, Preparation of. E. T. McBee and J. S. Newcomer. 2,493,009, Jan. 3.
Pentachloro-2,4-cyclopentadienylidene-1-acetic acid and derivatives thereof. E. T. McBee and J. S. Newcomer. 2,508,182, May 16.
Pentaenes, Manufacture of. O. Isler. 2,529,498, Nov. 14.
Pentaerythritol. W. M. Fuchs. 2,501,865, Mar. 28.
Pentaerythritol and formic acid, Separation of. J. A. Wyler. 2,532,253, Nov. 28.
Pentaerythritol, Making. J. A. Wyler. 2,532,252, Nov. 28.
Pentaerythritol, Preparation of. J. Cryer, J. C. Owens, and R. J. F. Lee. 2,534,191, Dec. 12.
Pentanediol, Preparation of. H. B. Copelin. 2,497,812, Feb. 14.
Pentazdienes, Production of. J. E. Wicklatz. 2,530,497, Nov. 21.
Pentosan and feed concentrates from cotton seed hulls. H. E. Shiver. 2,500,435, Mar. 14.
Peptides, Preparation of. O. H. Emerson. 2,498,665, Feb. 28.
Percentage control apparatus, Electrical. R. S. Davies. 2,508,328, May 16.
Perchlorates, Making. J. C. Schumacher. 2,512,973, June 27.
Percolator. H. R. Ansel. 2,497,572, Feb. 14.
Percussion trip device for electric circuit breakers. G. Balachowsky. 2,521,497, Sept. 5.
Percussive type fender and body shaping hand tool. T. Weber. 2,498,320, Feb. 21.
Perfecting offset press. H. A. Pritchard. 2,515,355, July 18.
Perforated tray type oil burner. M. S. Peeling. 2,501,688, Mar. 28.
Perforating and closing device. P. Monnett. 2,532,509, Dec. 5.
Perforating device. S. Segal. 2,494,836, Jan. 17.
Perforating gun, Electrically fired. P. W. Martin. 2,530,834, Nov. 21.
Perforating jacquard card sketch paper, Method and apparatus for. R. Ruddell. 2,526,280, Oct. 17.
Perforation washer. W. R. Kinney and B. K. Vandeveer. 2,512,801, June 27.
Perfume dispenser. J. L. Priess. 2,518,637, Aug. 15.
Perfume dispenser. M. B. Seligman. 2,502,598, Apr. 4.
Perhalocyclohexadienes. W. B. Ligett, E. T. McBee, and V. V. Lindgren. 2,498,891, Feb. 28.
Perhalogenated ethylcyclopentane. F. B. Stilmar, W. S. Struve, and R. N. Lulek. 2,503,077, Apr. 4.
Perhalomethylcyclohexadienes. W. B. Ligett, E. T. McBee, and V. V. Lindgren. 2,509,155, May 23.
Periodic wave generator. L. M. Harris, Jr. 2,513,722, July 4.
Peripheral closure. C. P. Krupp. 2,521,174, Sept. 5.
Periscope. S. M. Richmond. 2,507,935, May 16.
Periscope, Submarine. J. M. Strang. 2,534,884, Dec. 19.
Periscope, Underwater observation. G. A. McCullough. 2,516,897, Aug. 1.
Peristereoscopic apparatus for taking, reducing, or enlarging pictures. M. Bonnet. 2,506,131, May 2.
Perlite expanding apparatus. W. L. Stafford and E. R. Powell. 2,521,190, Sept. 5.
Permeability meter. H. W. Dietert, R. E. Steinmueller, and C. M. King. 2,516,188, July 25.
Permeability tuned loop antenna circuit. W. S. Bachman. 2,511,662, June 13.
Permeameter. C. A. Maynard. 2,502,628, Apr. 4.
Permutation electric switch. W. L. Tate and A. A. Oakes. 2,494,015, Jan. 10.
Peroxide solutions, Production of. D. J. Campbell and E. F. Lefson. 2,497,810, Feb. 14.
Peroxidic sulfonic acids and salts. F. F. Rust, A. R. Stiles, and W. E. Vaughan. 2,524,084, Oct. 3.
Peroxy dicarbonates. W. E. Bissinger. 2,517,964, Aug. 8.
Peroxy polymerization of vinyl aromatic compounds. T. Shusman. 2,521,754, Sept. 12.
Peroxy-substituted persulfonates. F. F. Rust, A. R. Stiles, and W. E. Vaughan. 2,536,008, Dec. 26.
Perpetual status cycle wheel. J. J. Phillips. 2,496,490, Feb. 7.
Pessary. F. M. Bley. 2,494,226, Jan. 10.
Pest control agents. M. Goll. 2,494,941, Jan. 17.
Pest control compositions containing beta-acyl acrylates. J. C. Thomas. 2,532,579, Dec. 5.
Pest control compositions for the control of bacteria and fungi containing 1,2-diacylethylene. J. E. Kirby. 2,532,558, Dec. 5.
Pet feeder. J. R. Coffing. 2,528,742, Nov. 7.
Petri dish cover. J. H. Brewer and T. J. Carski. 2,533,088–9, Dec. 5.
Petroleum emulsions, Breaking. M. De Groote and B. Keiser. 2,498,656–8, Feb. 28.
Petroleum emulsions, Breaking. M. De Groote and B. Keiser. 2,499,369–70, Mar. 7.
Petroleum emulsions, Breaking. A. F. Wirtel. 2,501,015, Mar. 21.
Petroleum hydrocarbon products, Compounded. L. A. Mikeska and A. R. Kittleson. 2,530,339, Nov. 14.
Petroleum resin dispersion and the use thereof. E. S. Fenelon, Jr. and E. J. Pavlonis. 2,502,080, Mar. 28.
Petticoat. S. Roodner. 2,535,459, Dec. 26.
Pew, Church. A. B. Edwards. 2,518,532, Aug. 15.
Pharmaceutical article. L. H. Myers. 2,520,852, Aug. 29.
Pharmaceutical intermediates and preparing the same. M. B. and E. E. Moore. 2,509,199, May 30.
Pharmaceutical machine for delivering to receptacles predetermined quantities of pharmaceutical articles such as pills, tablets, and the like. S. Blackman. 2,507,883, May 16.
Pharmaceutical packages, Preparing. A. J. Singer. 2,508,197, May 16.
Pharmaceutical preparation for implantation. C. Værnet. 2,517,513, Aug. 1.
Pharmaceutical preparation for relieving itch and killing acaridae. H. Martin and A. Margot. 2,505,681, Apr. 25.
Pharmaceuticals and preparing them. W. A. Lott, J. Bernstein, and M. A. Dolliver. 2,509,191, May 23.

Phase adjuster, Watt-hour meter. R. M. Leippe. 2,512,345, June 20.
Phase adjusting apparatus. A. G. Cooley. 2,519,178, Aug. 15.
Phase and amplitude responsive control system. A. M. Grass. 2,527,718, Oct. 31.
Phase changer switch. E. E. Wade. 2,506,753, May 9.
Phase comparator for underwater signaling. J. G. Kreer, Jr. 2,530,528, Nov. 21.
Phase-control circuit. J. K. Chapman. 2,524,515, Oct. 3.
Phase control system. G. E. Undy. 2,523,167, Sept. 19.
Phase detection and tuner control system. J. G. Beard and R. F. Dressler. 2,498,871, Feb. 28.
Phase detector, Cathode-gated amplifying. J. W. Gray. 2,512,495, June 20.
Phase difference indicator. J. C. Spindler. 2,517,805, Aug. 8.
Phase failure protective device. J. W. McClain. 2,499,963, Mar. 7.
Phase front plotting device. H. Iams. 2,504,334, Apr. 18.
Phase indicator. J. F. Gordon. 2,519,331, Aug. 15.
Phase inverter circuit. B. M. Oliver. 2,505,061, Apr. 25.
Phase modulation. N. I. Korman. 2,502,095, Mar. 28.
Phase monitor. C. X. Castle. 2,532,890, Dec. 5.
Phase sequence device. A. J. Petzinger. 2,513,890, July 4.
Phase shift circuit. W. J. Brown. 2,524,762, Oct. 10.
Phase shift control. J. R. Parsons. 2,524,925, Oct. 10.
Phase shift modulation system. S. S. Konigsberg. 2,508,270, May 16.
Phase shift system. W. J. Brown. 2,524,761, Oct. 10.
Phase shift system, Electrical. H. E. Tompkins. 2,529,117, Nov. 7.
Phase shifter. H. J. Carlin. 2,495,158, Jan. 17.
Phase shifter. L. A. de Rosa. 2,510,087, June 6.
Phase shifter. S. W. Seeley. 2,496,920, Feb. 7.
Phase shifter, Electronic. R. A. Emmett, Jr. 2,527,535, Oct. 31.
Phase shifter for circularly polarized microwaves, Variable. A. G. Fox. 2,530,818, Nov. 21.
Phase shifting circuit. H. L. Saxton. 2,531,474, Nov. 28.
Phase shifting device. J. F. Hersh, J. J. Faran, Jr., and J. R. Reitz. 2,523,115, Sept. 19.
Phasing apparatus. C. N. Gillespie. 2,496,788, Feb. 7.
Phasing apparatus. C. A. Meneley. 2,493,921, Jan. 10.
Phasing device for motor stators. J. A. Spencer. 2,495,828, Jan. 31.
Phasing system, Facsimile. M. Artzt. 2,522,919, Sept. 19.
Phenanthridine derivatives, Production of. H. J. Barber. 2,495,051, Jan. 17.
Phenate compounded oils. J. O. Clayton and W. H. Alderson. 2,501,991, Mar. 28.
Phenazonium dyestuff images, Production of. V. Tulagin and W. A. Schmidt. 2,525,502–3, Oct. 10.
Phenol-aldehyde and epoxide resin compositions. S. O. Greenlee. 2,521,911, Sept. 12.
Phenol-aldehyde diols and derivatives thereof, Oxyalkylated. M. De Groote and B. Keiser. 2,499,361–4, Mar. 7.
Phenol aldehyde polyepoxide compositions and reaction products. S. O. Greenlee. 2,521,912, Sept. 12.
Phenol aldehyde resins, Production of. C. J. Plank and D. E. Badertscher. 2,504,100, Apr. 18.
Phenol-aldehyde-rubber derivatives. J. D. D'Ianni. 2,525,655, Oct. 10.
Phenol alkylation process. W. A. Schulze and C. E. Stoops. 2,514,419, July 11.
Phenol esters of silicon oxychlorides and producing them. V. Morrill, Jr. Re. 23,274, Sept. 26.
Phenolphthalein beta beta'-diglucoside octaacetate. R. A. Hales. 2,500,148, Mar. 14.
Phenol sulfides, Antimony. H. E. Albert. 2,514,186, July 4.
Phenolic condensation product. C. E. Johnson and R. C. Waugh. 2,530,772, Nov. 21.
Phenolic resins, Rapid-curing. R. A. Barkhuff, Jr. 2,513,274, July 4.
Phenols, Preparation of substituted. C. A. Braidwood. 2,523,939, Sept. 26.
Phenols, Preparation of substituted. J. L. Jones. 2,497,503, Feb. 14.
Phenothiazine drench compositions. C. A. Littler. 2,495,270, Jan. 24.
Phenothiazines. P. Charpentier. 2,526,118, Oct. 17.
Phenothiazines. P. Charpentier. 2,530,451, Nov. 21.
Phenoxyacetamidines. C. Djerassi and C. R. Scholz. 2,517,468, Aug. 1.
Phenyl chloroformate, Preparation of. J. A. S. Hammond. 2,496,091, Jan. 31.
Phenylmercaptoacrylates and phenylmercaptomaleates. W. J. Croxall and L. R. Freimiller. 2,532,291, Dec. 5.
Phenyl mercuric acetate and nitrate, Preparing. J. F. Kaplan and C. Mellick. 2,502,222, Mar. 28.
Phenylene sulfide resins, Mixed. A. D. Macallum. 2,513,188, June 27.
Phono-cue system. W. H. Turner. 2,500,014, Mar. 7.
Phonograph and radio, Combined automatic. C. Simmons. 2,534,930, Dec. 19.
Phonograph apparatus. E. I. Harman. 2,508,715, May 23.
Phonograph apparatus. E. O. Thompson. 2,508,845, May 23.
Phonograph, Automatic. J. A. Darwin. 2,521,046, Sept. 5.
Phonograph, Automatic. O. A. Hokanson. 2,519,187, Aug. 15.
Phonograph, Automatic. C. G. Johnson. 2,506,926, May 9.
Phonograph, Automatic. C. G. Johnson. 2,519,579, Aug. 22.
Phonograph, Automatic. E. A. Landberg and N. G. Y. Torphammar. 2,514,701, July 11.
Phonograph, Automatic. R. Somma. 2,526,513, Oct. 17.
Phonograph, Automatic. S. A. Stolberg. 2,529,474, Nov. 7.
Phonograph, Automatic. J. E. Stout. 2,506,523, May 2.
Phonograph, Automatic. M. R. Winkler. 2,526,788, Oct. 24.
Phonograph, Automatic magazine. E. Wennerbo. 2,529,438, Nov. 7.
Phonograph, Balanced capacity. A. E. Hayes, Jr. 2,515,957, July 18.
Phonograph drive, Dual idler. J. J. Hoehn and A. G. Zimmerman. 2,530,820, Nov. 21.
Phonograph, Electric. G. D. Olsson. 2,523,629, Sept. 26.
Phonograph, Multiple disk. P. U. Lannerd. 2,496,056, Jan. 31.
Phonograph pickup. W. S. Bachman. 2,511,664, June 13.
Phonograph pickup. J. A. Burtch. 2,518,861, Aug. 15.
Phonograph pickup. F. S. Harris. 2,519,185, Aug. 15.
Phonograph pickup, Electrodynamic. M. F. Royston. 2,516,919, Aug. 1.
Phonograph pickup, Electrodynamic. G. R. Yenzer. 2,531,242, Nov. 21.
Phonograph pickup, Electrolytic. J. J. Root. 2,520,812, Aug. 29.
Phonograph pickup, Electrostatic. P. Weathers. 2,507,188, May 9.
Phonograph pickup, Magnetic. W. S. Bachman. 2,511,663, June 13.
Phonograph pickup, Magnetostrictive. F. Massa. 2,496,484, Feb. 7.
Phonograph record dispenser. J. V. Kelly. 2,521,227, Sept. 5.
Phonograph record holder. S. Robins. 2,500,773, Mar. 14.
Phonograph record holder. F. Roth. 2,494,359, Jan. 10.
Phonograph record rack. C. L. Hinsdale. 2,499,221, Feb. 28.
Phonograph reproducing arm. G. E. Guy. 2,516,565, July 25.
Phonograph shaving collector. W. E. McConnell and E. L. Bracy. 2,515,309, July 18.
Phonograph-shock and vibration absorbing support. R. M. Cain. 2,520,757, Aug. 29.
Phonograph, Slotted turntable automatic. C. G. Johnson. 2,506,925, May 9.
Phonograph system and stylus therefor. W. F. Smith. 2,493,466, Jan. 3.
Phonograph, Time announcing. H. G. and E. H. Lundgren. 2,520,284, Aug. 29.
Phonograph tripping mechanism, Automatic. E. Ascoli. 2,517,165, Aug. 1.
Phonograph with separate stylus for recording and reproducing, Electric. L. P. Petruschell. 2,534,368, Dec. 19.
Phonographic apparatus. C. C. Davis. 2,509,054, May 23.
Phosphate esters and preparation, Organic. E. I. Hoegberg. 2,494,126, Jan. 10.
Phosphate esters, Preparing. A. Bell. 2,495,220, Jan. 24.
Phosphate glass. A. Silverman, J. J. Rothermel, and K. Sun. 2,518,194, Aug. 8.
Phosphate glass, Colored. W. H. Armistead. 2,532,386, Dec. 5.
Phosphate of 1-phenyl-2-aminopropane, Monobasic. T. C. Goggin. 2,507,468, May 9.
Phosphatic fertilizers, Production of. G. L. Bridger. 2,522,500, Sept. 19.
Phosphatide composition and shortening and making same. M. C. Markley. 2,494,771, Jan. 17.
Phosphatides and making same, Refined. P. A. Singer and H. J. Deobald. 2,508,624, May 23.
Phosphite esters in the stabilization of linear polyamides, Use of. D. A. Rothrock, Jr., and R. F. Conyne. 2,493,597, Jan. 3 .
Phosphorescent panel sign. W. P. Taylor. 2,509,707, May 30.
Phosphoric acid. R. Cross. 2,493,915, Jan. 10.
Phosphoric acid and butadiene-acrylonitrile copolymer and preparation, Heat reaction product of. A. T. Di Masi. 2,510,090, June 6.
Phosphoric acid-boric acid catalyst and its manufacture, Supported. J. M. Mavity. 2,525,145, Oct. 10.
Phosphoric acid catalyst, Manufacture of improved solid. J. M. Mavity. 2,525,144, Oct. 10.
Phosphoric acid esters, Manufacture of. L. P. Kyrides. 2,510,033, May 30.
Phosphoric acid, Manufacture of. B. W. Hammaren and R. V. Townend. 2,531,977, Nov. 28.
Phosphoric acid, Manufacturing. C. C. Legal, Jr., T. O. Tongue, C. Bay, and E. H. Wight. 2,504,544, Apr. 18.
Phosphoric acid polymerization of thiophene compounds. H. D. Hartough and S. L. Meisel. 2,521,514, Sept. 5.
Phosphors and X-ray screens prepared therefrom. W. H. Byler and J. W. Wilson. 2,525,860, Oct. 17.

Phosphorus combustion furnace. C. J. McFarlin. 2,532,322, Dec. 5.
Phosphorus pentoxide in phosphoric acid for thioxanthone ring closure. W. Schmidt-Nickels. 2,521,676, Sept. 12.
Photoamplifier. R. O. Bradley. 2,516,179, July 25.
Photocell, Antimagnetically shielded. F. Fua and R. C. Woods. 2,512,247, June 20.
Photochemical chlorination of hydrocarbons. E. L. Humphrey and E. Mitchell. 2,530,699, Nov. 21.
Photochemical preparation of aliphatic sulfonyl chlorides, Continuous. J. B. Roberts, H. B. Gage, and C. H. Brautcheck. 2,528,320, Oct. 31.
Photochemical preparation of benzene hexachloride. M Gonze. 2,513,092, June 27.
Photochemical preparation of benzene hexachlorides. M. Gonze. 2,524,970, Oct. 10.
Photochemical preparation of γ benzene hexachloride. M. Gonze. 2,529,803, Nov. 14.
Photochemical preparation of polypeptides. D. S. Kahn. 2,515,515, July 18.
Photochemical reaction of unsaturated ethers with aliphatic mercaptans. W. E. Vaughan and F. F. Rust. 2,522,590, Sept. 19.
Photochemical reaction of unsaturated ethers with hydrogen sulfide. W. E. Vaughan and F. F. Rust. 2,522,589, Sept. 19.
Photochlorination of paraffinic hydrocarbons. J. A. Spina. 2,511,818, June 13.
Photocopy device having a translucent prism support. B. E. Clouser. 2,511,102, June 13.
Photo copying and drying machine, Combined. F. Shore. 2,522,804, Sept. 19.
Photoelectric apparatus for simulating radio range signals. R. C. Dehmel. 2,499,990, Mar. 7.
Photoelectric cell. E. A. Richards and W. E. Pease. 2,516,916, Aug. 1.
Photoelectric cell structure incorporating a lens. G. B. Buck, II. 2,522,987, Sept. 19.
Photoelectric control device, Image detecting. D. C. Jannopoulo. 2,518,694, Aug. 15.
Photoelectric device. R. R. Cahen. 2,527,913, Oct. 31.
Photoelectric device. N. C. Fulmer. 2,512,146, June 20.
Photoelectric exposure meter. R. S. Norman. 2,532,417, Dec. 5.
Photoelectric method and apparatus for testing vacuum conditions in containers. J. Razek. 2,524,929, Oct. 10.
Photoelectric tube. O. T. McIlvaine. 2,516,784, July 25.
Photoelectric unit for agricultural operations. L. A. Marihart. 2,514,405, July 11.
Photoelectronic limit gauge. R. M. Wilmotte and R. E. Benedict. 2,505,316, Apr. 25.
Photoengraving lamp carrier. M. H. Sussin. 2,519,609, Aug. 22.
Photo film processing apparatus. C. Katzen and T. R. Games. 2,534,604, Dec. 19.
Photoflash lamp circuit. C. S. Davis. 2,509,967, May 30.
Photofluorograph. E. F. Moran and E. W. Vaughn. 2,526,390, Oct. 17.
Photograph, Dual image. M. I. Glass and C. L. McShane. 2,529,151, Nov. 7.
Photograph having reflecting back, Relief. M. Bonnet. 2,500,511, Mar. 14.
Photograph negative etching tool. V. E. Fulkerson. 2,493,128, Jan. 3.
Photographic apparatus. D. P. Keefe. 2,534,132, Dec. 12.
Photographic apparatus. E. H. Land. 2,520,641, Aug. 29.
Photographic apparatus for exposing and processing photographic film. E. H. Land, J. F. Carbone, and J. A. Carrier. 2,516,398, July 25.
Photographic apparatus movable along a track, Remotely controlled. M. O. Miller. 2,523,662, Sept. 26.
Photographic apparatus, Peristereoscopic. M. Bonnet. 2,508,487, May 23.
Photographic apparatus with adjustable reflector, Self-posing. A. Lissiansky. 2,515,350, July 18.
Photographic developer containing a negatively substituted aralkylamine and process of development. W. L. Wasley. 2,496,903, Feb. 7.
Photographic developer containing an aralkylamine and process of development. W. L. Wasley. 2,515,147, July 11
Photographic developing machine. A. Ludwig. 2,518,034, Aug. 8.
Photographic developing tray holder. J. F. Morse. 2,508,886, May 23.
Photographic developing with addition products to improve image quality. E. B. Knott and J. Morgan 2,514,650, July 11.
Photographic development utilizing amino-n-hydrocarbon substituted beta-aminoacrylamide couplers, Color forming. R. M. Leekley. 2,507,110, May 9.
Photographic display mechanism. H. S. Gould, J. F. Beck, and D. C. Manning. 2,516,979, Aug. 1.
Photographic element having a fluorescent layer and using the same, Light-sensitive. L. E. Clark. 2,511,462, June 13.
Photographic elements containing hydroxy heavy metal salts of trinuclear iminol cyanine dyes as filter and antihalation dyes. A. W. Anish. 2,496,843, Feb. 7.
Photographic elements, Manufacturing. C. Weaver. 2,534,326, Dec. 19.
Photographic emulsion, Stabilized gelatino silver halide. D. J. T. Howe. 2,534,599, Dec. 19.
Photographic emulsions containing color couplers and amide coupler solvents. G. W. Sawdey and P. W. Vittum. 2,533,514, Dec. 12.
Photographic emulsions containing heterocyclic nitrogenous cyanine dyes having a new group attached to the nitrogen atom thereof. A. W. Anish. 2,504,616, Apr. 18.
Photographic emulsions containing N-aryloxy-, arylthio-, and arylselenoalkyl cyanine dyes. A. W. Anish. 2,504,615, Apr. 18.
Photographic emulsions containing trinuclear cyanine dyes. T. R. Thompson. 2,535,995, Dec. 26.
Photographic emulsions, Preparation of. C. F. Glick and P. M. Nicholes. 2,534,707, Dec. 19.
Photographic emulsions, Production of. J. A. H. Hart, K. G. A. Pankhurst, and R. C. M. Smith. 2,527,268, Oct. 24.
Photographic emulsions sensitized with supersensitizing combinations of acid carbocyanine dyes and styryl bases. B. H. Carroll and J. Spence. 2,533,426, Dec. 12.
Photographic enlarger. C. C. Smith. 2,530,843, Nov. 21.
Photographic enlarger and camera. M. P. Kouzminsky. 2,501,469, Mar. 21.
Photographic film developing tank. R. L. and H. Altschuler. 2,507,238, May 9.
Photographic film holder. D. M. Ghrist. 2,533,101, Dec. 5.
Photographic filter and antihalation layers containing a silver salt of an azanol dye. A. W. Anish and L. C. Hensley. 2,496,841, Feb. 7.
Photographic finishing equipment, Refrigerated. F. A. Nelson, J. W. Berry, W. F. Robinson, and L. B. Orendorff. 2,504,217, Apr. 18.
Photographic four-color light-sensitive stripping elements. J. A. Ball, A. B. Jennings, and O. W. Murray. 2,492,952, Jan. 3.
Photographic four-color light-sensitive stripping elements. J. A. Ball, A. B. Jennings, and O. W. Murray. 2,492,954, Jan. 3.
Photographic illuminator. R. W. Swain. 2,516,270, July 25.
Photographic images, Manufacture of color. B. Gaspar. 2,514,233–4, July 4.
Photographic images of the type having striated reflecting backs. M. Bonnet. 2,499,452, Mar. 7.
Photographic images, producing direct positive. G. E. Fallesen and J. Spence. 2,497,876, Feb. 21.
Photographic layers, Colored. L. A. Van der Auwera and A. E. van Dormael. 2,525,052, Oct. 10.
Photographic layers containing gelatin-anion soap complexes and their preparation. J. A. H. Hart, K. G. A. Pankhurst, and R. C. M. Smith. 2,527,262, Oct. 24.
Photographic layers containing gelatin-sulphonic acid complexes, and their preparation. J. A. H. Hart, K. G. A. Pankhurst, and R. C. M. Smith. 2,527,267, Oct. 24.
Photographic light-sensitive element and using it. G. F. Rackett. 2,523,843, Sept. 26.
Photographic material, Diazotype. S. C. Slifkin and H. C. Unkauf. 2,532,126, Nov. 28.
Photographic material, Fine-grained bichromate sensitized. W. H. Griggs and W. F. Fowler, Jr. 2,500,028, Mar. 7.
Photographic materials, Sensitive. E. F. Teal and E. P. Davey. 2,500,140, Mar. 7.
Photographic objective of the Cooke triplet type. W. Litten, G. H. Aklin, and F. E. Altmen. 2,503,751, Apr. 11.
Photographic objective, Petzval-type. W. Schade. 2,500,046, Mar. 7.
Photographic-phonograph record combination. M. Munkacsi and R. G. Liszt. 2,505,787, May 2.
Photographic plate exposing and developing apparatus, Automatic. R. W. Dart. 2,506.632, May 9.
Photographic plate moving apparatus. L. G. Simjian. 2,527,584, Oct. 31.
Photographic press. F. A. Niedermeyer. 2,514,334, July 4.
Photographic print. E. E. Jelley. 2,518,695, Aug. 15.
Photographic print drier. S. Wallace. 2,525,159, Oct. 10.
Photographic print paper holder. C. S. Hanson. 2,495,061, Jan. 17.
Photographic print washer. W. H. Richards. 2,523,331, Sept. 26.
Photographic printer having air flow film tautening mechanism. W. H. Richards. 2,510,142, June 6.
Photographic printing frame. J. T. Campbell. 2,494,282, Jan. 10.
Photographic printing frame. C. H. Wiklund. 2,500,782, Mar. 14.
Photographic process for reproducing multicolor images. J. A. Ball. 2,508,213, May 16.
Photographic process, Mixed grain. W. T. Hanson, Jr., and F. A. Richey. 2,496,940, Feb. 7.
Photographic process, Two-bath direct positive. C. E. Ives. 2,533,463, Dec. 12.
Photographic product. J. Greenhaigh, N. W. Pinkham and R. B. Tomer. 2,497,816, Feb. 14.
Photographic product. E. H. Land. 2,495,111, Jan. 17.
Photographic product. E. H. Land. 2,500,422, Mar. 14.
Photographic product. N. W. Pinkham. 2,525,720, Oct. 10.

Photographic relief image. R. P. Speck. 2,494,068, Jan. 10.
Photographic reproducing device. F. C. Miller and E. S. Brumfield. 2,514,892, July 11.
Photographic retouching stand. C. Z. and B. L. Good. 2,497,215, Feb. 14.
Photographic reversal copying process. E. C. Yackel. 2,500,052, Mar. 7.
Photographic scanning, Method and device for. D. A. Wilkie. 2,519,988, Aug. 22.
Photographic shutter. A. P. Neyhart. 2,531,639, Nov. 28.
Photographic shutter. F. P. Willcox. 2,522,698, Sept. 19.
Photographic shutters having movable blade and retarding means. M. Kaplowitz. 2,498,279, Feb. 21.
Photographic silver halide emulsion, Optically sensitized. A. W. Anish. 2,521,959, Sept. 12.
Photographic silver halide emulsions. C. E. Barnes and W. O. Ney, Jr. 2,522,771, Sept. 19.
Photographic silver-halide emulsions containing trinuclear cyanine dyes. A. W. Anish and C. A. Clark. 2,500,112, Mar. 7.
Photographic silver halide emulsions from gelatin-anion soap complexes, Production of. J. A. H. Hart, K. G. A. Pankhurst, and R. C. M. Smith. 2,527,261, Oct. 24.
Photographic silver halide transfer process. E. H. Land. 2,500,421, Mar. 14.
Photographic sound track scanning apparatus with light flicker compensation. J. A. Rodgers. 2,496,959, Feb. 7.
Photographic strip control and indicating mechanism. H. Lyon. 2,514,402, July 11.
Photographic teleobjective. J. Skopal. 2,514,591, July 11.
Photographic transfer materials bearing gelatin-anion soap complex silver halide layer. J. A. H. Hart. 2,527,263, Oct. 24.
Photographically producing a plurality of assemblages of preselected data. J. V. Weckbaugh. 2,494,599, Jan. 17.
Photographs having increased density, producing direct positive. R. E. Stauffer. 2,497,917, Feb. 21.
Photographs using aerial fogging developer, Direct positive. G. E. Fallesen. 2,497,875, Feb. 21.
Photographs using color developers, Direct positive. D. B. Glass and F. A. Richey. 2,507,154, May 9.
Photography, Color. J. H. Coote. 2,509,232, May 30.
Photography employing a scanning camera. V. E. Pratt and G. F. Gray. 2,508,650, May 23.
Photomechanical printing frame. J. D. Maxwell. 2,534,784, Dec. 19.
Photomechanical reproduction, Indirect. F. G. Yanes. 2,507,431, May 9.
Photometer. P. Bonêt-Maury. 2,524,303, Oct. 3.
Photometer. A. H. Canada. 2,525,445, Oct. 10.
Photometer, X-ray absorption. C. D. Moriarty. 2,503,062, Apr. 4.
Photometric apparatus for quantitative spectroanalysis. R. V. Meyer. 2,503,165, Apr. 4.
Photomodelling by hand, Artistic. C. Roux. 2,524,542, Oct. 3.
Photoprinting processes. B. F. Terry. 2,493,838, Jan. 10.
Photosculpture in high relief and low relief, Universal. E. Blain. 2,502,697, Apr. 4.
Photosensitive apparatus. R. C. Mason and J. W. Coltman. 2,523,132, Sept. 19.
Photosensitive device using a semitransparent mirror and an oscilloscope for testing razor blades for sharpness. C. Berkley. 2,502,503, Apr. 4.
Phototelegraphy system. J. W. Spencer. 2,507,323, May 9.
Photothermography, Fusion. A. Murray. 2,503,758, Apr. 11.
Phototube amplification. L. C. Kelsey. 2,499,996, Mar. 7.
Phototube, End-on. R. W. Engstrom and W. J. Pietenpol. 2,506,633, May 9.
Phototypographic composing machine having electromagnetic spacing means. H. W. Young. 2,503,647, Apr. 11.
Phthalic anhydride from ortho-xylene concentrates and naphthalene, Producing. I. E. Levine. 2,521,466, Sept. 5.
Phthalic anhydride, Purification of. C. Conover. 2,529,448, Nov. 7.
Phthalic anhydride, Purifying. M. E. Bailey and J. K. Evans. 2,510,852, June 6.
Phthalocyanine pigment compositions. V. A. Giambalvo. 2,526,345, Oct. 17.
Physical therapeutic table. P. Bachin. 2,500,508, Mar. 14.
Physiologically active pyridoxine derivatives and preparing the same. E. E. Snell. 2,522,407, Sept. 12.
Phytate purification. H. Gehman and W. Hach. 2,493,666, Jan. 3.
Piano. S. C. Shill. 2,495,427, Jan. 24.
Piano. C. F. Stein. 2,505,806, May 2.
Piano action. J. G. Markley. 2,501,529, Mar. 21.
Piano action. L. M. Martin. 2,498,132, Feb. 21.
Piano action. L. M. Martin. 2,513,191, June 27.
Piano action. C. F. Stein. 2,502,107, Mar. 28.
Piano action. C. F. Stein. 2,528,797, Nov. 7.
Piano and utility string chassis therefor, Knockdown. C. F. Stein. 2,505,803, May 2.
Piano construction. D. G. Cline. 2,501,641, Mar. 21.
Piano construction for sound amplification. L. Luberoff. 2,530,251, Nov. 14.
Piano construction with preassembled units. C. F. Stein. 2,505,804, May 2.
Piano key. L. M. Martin. 2,530,712, Nov. 21.
Piano key balance. A. H. Howe. 2,509,063, May 23.
Piano, Knockdown. C. F. Stein. 2,505,805, May 2.
Piano plate, Cast. G. L. Moore, W. E. Sicha, and R. B. Wrege. 2,532,070, Nov. 28.
Piano, Portable. K. S. Gage. 2,494,700, Jan. 17.
Piano, Vertically stringed grand. A. P. Brown. 2,532,286, Dec. 5.
Pick indicator. J. H. Wehrenberg. 2,517,515, Aug. 1.
Pick-off for electrical control systems. S. Kellogg, 2nd and G. N. Hanson. 2,526,669, Oct. 24.
Pickpocket trap. W. F. Curry. 2,522,606, Sept. 19.
Pick shaft assembly. F. G. Lake and E. H. Ashton. 2,493,631, Jan. 3.
Pickup apparatus having a removable cartridge, Phonograph. H. B. Spiegel. 2,532,377, Dec. 5.
Pickup arm, Phonograph. L. R. Brothers. 2,496,035, Jan. 31.
Pickup arm, Phonograph. A. E. Coppleman. 2,522,997, Sept. 19.
Pickup attachment for harvesters, Floating. G. W. Pearson. 2,517,413, Aug. 1.
Pickup circuit. W. E. Winterhalter and E. E. Vonada. 2,535,978, Dec. 26.
Pickup device. E. M. McElhinney and J. B. Kucera. 2,526,960, Oct. 24.
Pickup device and system, Vibration. J. H. Lancor, Jr. 2,534,276, Dec. 19.
Pickup device for attachment to agricultural implement platforms, Floating. B. M. Hyman. 2,524,196, Oct. 3.
Pickup device for balers. S. D. Russell. 2,524,233, Oct. 3.
Pickup device for corncobs and the like. F. Gross. 2,520,764, Aug. 29.
Pickup device, Nut and fruit. H. M. Fortier. 2,514,945, July 11.
Pickup device, Phonograph. O. T. McIlvaine. 2,514,081, July 4.
Pickup device, Phonographic. H. D. Brailsford. 2,511,766, June 13.
Pickup device, Piezoelectric phonograph. C. E. Kilgour. 2,498,210, Feb. 21.
Pickup device, Pressure actuated. J. Clark. 2,510,073, June 6.
Pickup, Electrical. A. Johnson. 2,494,390, Jan. 10.
Pickup, Electrodynamic. J. de Boer and G. Schenkel. 2,509,968, May 30.
Pickup for automatic pin setters. G. A. Rhoads. 2,519,285, Aug. 15.
Pickup for harvester gathering reels. A. D. Douglas. 2,496,002, Jan. 31.
Pickup for use in acceleration indicating, measuring, and recording apparatus. P. C. Efromson and R. C. Lewis. 2,502,132, Mar. 28.
Pickup having elastic drive member, Phonograph. L. D. Norton. 2,500,561, Mar. 14.
Pickup having permanent magnet armature, Phonograph. H. A. Greener. 2,507,708, May 16.
Pickup having permanent magnet armature, Phonograph. W. J. O'Brien. 2,501,233, Mar. 21.
Pickup head, Slidably supported. R. Snepvangers. 2,515,273, July 18.
Pickup machine, Grain. V. W. Fleming. 2,513,466, July 4.
Pickup machine, Nut. A. D. Goodwin. 2,508,454, May 23.
Pickup machine, Sugar beet. A. J. Popple. 2,535,598, Dec. 26.
Pickup, Magnetic. R. J. Aust. 2,535,479, Dec. 26.
Pickup mechanism. H. Scheid. 2,513,430, July 4.
Pickup mechanism for harvesting machines. J. M. Martin. 2,527,887, Oct. 31.
Pickup, Metallic film electrical. C. M. Wolfe. 2,494,109, Jan. 10.
Pickup mounting. C. E. Kilgour. 2,510,342, June 6.
Pickup, Phonograph. E. A. Gilbert. 2,494,438, Jan. 10.
Pickup provided with a member for protecting the scanning needle. J. de Boer and G. Schenkel. 2,496,861, Feb. 7.
Pickup system, Phonograph. J. W. Hammond. 2,522,870, Sept. 19.
Pickup tool. A. C. Bussey. 2,503,998, Apr. 11.
Pickup unit, Differential transformer. J. R. Pimlott and S. E. Dawson. 2,494,579, Jan. 17.
Pickup unit, Magnetostrictive phonograph. S. R. Rich. 2,499,110, Feb. 28.
Picker. J. E. Moe. 2,534,203, Dec. 12.
Picker. W. E. Segl. 2,516,262, July 25.
Picker and harvester, Vacuum. D. Roles. 2,499,037, Feb. 28.
Picker and picker stick and fastener therefor. J. C. Crocker. 2,522,862, Sept. 19.
Picker and sheller, Combination corn. E. R. Gerber. 2,518,302, Aug. 8.
Picker check for looms. C. P. Bergstrom. 2,513,909, July 4.
Picker, Drop box. J. E. Moe. 2,522,885, Sept. 19.
Picker, Fruit. H. A. Felsing. 2,526,340, Oct. 17.
Picker, Fruit. F. M. and H. A. Welshans. 2,507,655, May 16.
Picker, Green corn. R. E. Smith. 2,499,688, Mar. 7.
Picker stick. T. R. Wageley. 2,534,487, Dec. 19.
Picker stick and mounting therefor. W. C. Payne. 2,499,256, Feb. 28.

Picker stick check for looms. J. W. Bridges. 2,521,893, Sept. 12.
Picker stick check for looms. F. A. Ritchie. 2,535,814, Dec. 26.
Picker stick check, Hydraulic. G. H. Hufferd. 2,529,696, Nov. 14.
Picker stick check strap. F. B. Wakefield. 2,533,646, Dec. 12.
Picker stick connection. E. C. Alix and H. A. Wilson. 2,527,385, Oct. 24.
Picker stick governor mechanism. W. C. French. 2,506,145, May 2.
Picker stick, Laminated. W. I. Bullard and L. B. Pitts. 2,503,711, Apr. 11.
Picker stick linkage. G. H. Hufferd. 2,529,694, Nov. 14.
Picker stick slide linkage. G. H. Hufferd. 2,529,695, Nov. 14.
Picker stick stop mechanism. G. H. Hufferd. 2,519,372, Aug. 22.
Picker stick stop mechanism. G. H. Hufferd. 2,519,373, Aug. 22.
Picking and grading machine, Ice. T. F. Lilly. 2,502,161, Mar. 28.
Picking machine attachment, Poultry. J. J. Doupnik. 2,528,215, Oct. 31.
Picking mechanism for looms. H. M. Van Alstyne and W. Bell. 2,517,454, Aug. 1.
Pickling of magnesium and its alloys. H. K. De Long. 2,499,269, Feb. 28.
Pickling of metals. R. O. Zerbe. 2,518,109, Aug. 8.
Pickling process. H. F. Myers and O. A. Proelss. 2,511,988, June 20.
Picnic and utility table. E. A. Bower. 2,522,774, Sept. 19.
Picnic table. L. Alch. 2,512,473, June 20.
Picot bar actuating mechanism. E. J. Berger and H. K. West. 2,507,487, May 16.
Picture and motif finder. E. L. Lane. 2,508,864, May 23.
Picture, Blind. F. V. Howe. 2,523,828, Sept. 26.
Picture display holder. N. Barbieri. 2,504,375, Apr. 18.
Picture element with reflecting back support, Lenticular. M. Bonnet. 2,499,453, Mar. 7.
Picture exhibitor, Illuminated. N. C. Gardner. 2,523,290, Sept. 26.
Picture frame. H. S. Cloyd. 2,523,815, Sept. 26.
Picture frame. A. Cristiani. 2,505,232, Apr. 25.
Picture frame. S. Golden. 2,510,629, June 6.
Picture frame. M. E. Greenspon. 2,519,183, Aug. 15.
Picture frame. P. B. Koller, Jr. 2,494,097, Jan. 10.
Picture frame. C. C. Miles. 2,523,136, Sept. 19.
Picture frame. J. A. Packheiser. 2,511,785, June 13.
Picture frame. B. C. Roehrl. 2,523,816, Sept. 26.
Picture frame. G. Rosenberg and L. Spiselman. 2,521,411, Sept. 5.
Picture frame containing bed light and indirect light units. G. Thurston. 2,529,713, Nov. 14.
Picture hanger. H. R. Denton. 2,509,424, May 30.
Picture hanger. F. H. Downing. 2,496,990, Feb. 7.
Picture hanger. J. C. C. Mayo. 2,530,892, Nov. 21.
Picture hanger. H. B. Peters. 2,526,827, Oct. 24.
Picture hanger. R. G. Raitt. 2,495,477, Jan. 24.
Picture holder. E. E. Goforth. 2,514,047, July 4.
Picture holder. J. F. Kratkowski., 2,506,509, May 2.
Picture-holding device. J. H. Rollins. 2,506,519, May 2.
Picture projection equipment. A. W. Kingston. 2,525,552, Oct. 10.
Picture receiver, Frequency modulated. L. A. Thompson. 2,535,611, Dec. 26.
Picture support unit, Ornamental slip fit. R. R. Baldwin. 2,524,647, Oct. 3.
Picture system, Sonic. R. H. Rines. 2,528,727, Nov. 7.
Picture system, Sonic. R. H. Rines. 2,528,730, Nov. 7.
Picture-taking and finishing apparatus, Automatic. W. Rabkin, A. Lissiansky, and A. Sebestyen. 2,532,855, Dec. 5.
Picture, Three-dimensional. G. Towne. 2,514,814, July 11.
Picture viewer, Stereoscopic. C. S. McClellan. 2,530,531, Nov. 21.
Picture viewing device, Magnifying. O. J. Alvarez. 2,521,558, Sept. 5.
Pie. R. F. Corbett. 2,509,035, May 23.
Pie and cake cutter. I. M. Tenborg. 2,504,756, Apr. 18.
Piecrust mix. C. G. Harrel, R. O. Brown, and M. H. Kimball. 2,506,358, May 2.
Pie-making machine. J. M. Goldstein. 2,494,236, Jan. 10.
Pie plate lifter. H. J. McConnell. 2,497,005, Feb. 7.
Piece handling machine for delivering thin pieces of material. G. G. Schneider. 2,507,186, May 9.
Pier, Adjustable building. N. S. Black. 2,510,328, June 6.
Pierce severing. R. S. Babcock. 2,517,622, Aug. 8.
Piercing and printing method. O. J. Garlough and H. M. Stewart. 2,526,469, Oct. 17.
Piercing device for nipples. W. J. O'Neill, Jr. 2,535,594, Dec. 26.
Piezoelectric apparatus. H. Jaffe. 2,497,672, Feb. 14.
Piezoelectric crystal. A. J. Gale. 2,510,811, June 6.
Piezoelectric crystal holder. R. E. Franklin and W. A. Miller. 2,507,374, May 9.
Piezoelectric crystal holder. H. L. Selden. 2,498,585, Feb. 21.
Piezoelectric crystal mounting. W. Kalin. 2,518,331, Aug. 8.
Piezoelectric crystals. A. M. Robinson. 2,512,878, June 27.
Piezoelectric device. C. K. Gravley. 2,497,665, Feb. 14.
Piezoelectric element. A. d'Halloy. 2,511,624, June 13.
Piezoelectric means for converting pressure variations into potential variations. W. Kistler. 2,507,636, May 16.
Piezoelectric system. C. W. Franklin. 2,515,083, July 11.
Pigment and producing same. O. O. Kenworthy, E. H. Goda, and J. D. Golland. 2,523,119, Sept. 19.
Pigment binders. F. G. La Piana and G. N. Houth. 2,511,113, June 13.
Pigment compositions, Daylight fluorescent. J. L. and R. C. Switzer. 2,498,592, Feb. 21.
Pigment emulsions and the manufacture thereof. C. Hobday and F. L. Goodall. 2,494,810, Jan. 17.
Pigment particles, Preparation of coated. A. T. Schmutzler and D. F. Othmer. 2,525,835, Oct. 17.
Pigmented resins, Producing. H. A. Pace. 2,533,196, Dec. 5.
Pigments and molding powders comprising polyvinyl acetal resins dyed with vat dyes. L. A. Lantz, A. Schofield, and E. Spinner. 2,534,136, Dec. 12.
Pigments, Manufacture of. J. Glassman. 2,502,254, Mar. 28.
Pigments, Manufacture of. J. Glassman. 2,514,236, July 4.
Pile. J. W. Levasseur. 2,507,259, May 9.
Pile. P. Swann and R. H. L. Sung. 2,497,377, Feb. 14.
Pile driver lead, Folding. F. F. Zavatkay. 2,501,369, Mar. 21.
Pile fabric. R. R. Cone and W. Lewis. 2,521,831, Sept. 12.
Pile fabric. W. A. Rice. 2,512,727, June 27.
Pile fabric frayproofing. J. N. Dow and A. T. Dildilian. 2,517,389, Aug. 1.
Pile fabric with permanently set hard twist wool pile yarn, Making. R. J. Jackson. 2,509,349, May 30.
Pile fabric with permanently set hard twist wool yarn. R. J. Jackson. 2,509,350, May 30.
Pile fabrics, Making. C. F. Taubert. 2,495,666, Jan. 24.
Pile ointment tube. K. Senff. 2,512,115, June 20.
Pile regulator. B. O. Austin. 2,515,975, July 18.
Pile stop mechanism. G. G. Erland and A. B. Pearson. 2,498,989, Feb. 28.
Piled webs, Preparation of. H. Gaibel. 2,526,649, Oct. 24.
Piler, Sheet. F. K. Schefe. 2,511,739, June 13.
Pillow, Adjustable. R. W. Angert. 2,500,974, Mar. 21.
Pillow, Beauty. Y. B. Snyder. 2,533,526, Dec. 12.
Pillow block. D. L. Sullivan. 2,508,873, May 23.
Pillow, Contoured. L. G. and M. J. Kaskey. 2,522,120, Sept. 12.
Pillow, Latex foam or the like sponge rubber. W. A. Miller. 2,499,965, Mar. 7.
Pillowslip and sweat guard therefor, Sanitary. A. Hill. 2,500,250, Mar. 14.
Pilot, Airplane automatic. E. P. Turner. 2,513,120, June 27.
Pilot and vaporizing device for horizontal pot type burners, Combination. E. H. Stempel and M. L. Nelson. 2,502,352, Mar. 28.
Pilot, Automatic. J. C. Malen. 2,504,139, Apr. 18.
Pilot, Automatic. P. A. Noxon and N. B. Murphy. 2,516,796, July 25.
Pilot control, Automatic. N. B. Murphy. 2,516,641, July 25.
Pilot device for rotary tools. J. B. Giern and A. P. Anholtt. 2,507,204, May 9.
Pilot flame control for fuel burners. W. S. Walker. 2,509,896, May 30.
Pilot for circle cutters, Retractive. J. F. Dooley. 2,505,236, Apr. 25.
Pilot for gas burners, Adjustable gas-burning. E. H. Mueller. 2,510,752, June 6.
Pilot for small and pilotless aircraft, Automatic. M. B. Taylor. 2,527,598, Oct. 31.
Pilot for vaporizing burners. B. Hayter. 2,519,570, Aug. 22.
Pilot means for hydraulic governors, Self-compensating. A. H. Rodeck and A. G. Massey. 2,516,723, July 25.
Pilot seat. R. C. Heffernan and F. N. Dickerman. 2,519,963, Aug. 22.
Pilot structure for vaporizing burners. D. A. Custance. 2,513,551, July 4.
Pilot structure, Railway. J. C. Travilla, Jr. 2,519,944, Aug. 22.
Pilot system, Radio controlled. F. L. Moseley. 2,496,809, Feb. 7.
Pilot training apparatus, Grounded. S. I. Hayes and M. S. Wade. 2,510,500, June 6.
Pin: *See*
- Adjustable automotive upper control pin.
- Bob pin.
- Bobby pin.
- Brake anchor pin.
- Clip pin.
- Cotter pin.
- Coupling pin.
- Dowel pin.
- Fiber-reenforced bowling pin.
- Firing pin.

Pin: *See*—Continued.
Hair-waving pin.
Insulator pin.
Locking safety pin.
Plastic-reinforced bowling pin.
Pole top pin.
Reinforced plastic bowling pin.
Retractable safety pin.
Safety pin.
Self-closing safety pin.
Shuffleboard bowling pin.
Spiral bobby pin.
Pin board. F. F. Bahnson. 2,497,574, Feb. 14.
Pin curl clip. R. K. Weaver and L. M. Wingblade. 2,500,391, Mar. 14.
Pin device, Safety. H. S. Cohen. 2,515,551, July 18.
Pin elevating and resetting mechanism, Bowling. E. G. Strong. 2,528,560, Nov. 7.
Pin fastener. D. L. Covey. 2,513,847, July 4.
Pinfeather tool. L. Meunier. 2,503,961, Apr. 11.
Pin feeding mechanism. G. G. Schneider. 2,507,185, May 9.
Pin for body and truck bolsters, Center. S. B. Haseltine. 2,495,932, Jan. 31.
Pin for curtains and draperies, Pleat retainer. P. Franson and N. Wirostko, Jr. 2,522,358, Sept. 12.
Pin for rivetless chains, Adjustable. A. G. Rose. 2,507,458, May 9.
Pin having a safety catch. K. R. Larson. 2,506,027, May 2.
Pin machine. N. M. Marsilius. 2,505,643, Apr. 25.
Pin or brooch, Novelty. R. Adler. 2,521,198, Sept. 5.
Pin or clip for the hair, Self-opening. H. R. Bein, Sr. 2,496,656, Feb. 7.
Pin retainer for draft keys. O. E. Wilson and W. H. Sale. 2,531,758, Nov. 28.
Pin setter, Bowling alley. T. G. Johnson. 2,525,906, Oct. 17.
Pin-setting machine. E. D. Chisam. 2,522,992, Sept. 19.
Pin setting machine. F. W. Fretter. 2,518,457, Aug. 15.
Pin setting machine and method. R. Krah and W. W. Block. 2,504,987, Apr. 25.
Pinwheel, Musical. I. Cohn. 2,495,365, Jan. 24.
Pin with expander, Bobby. L. O. Hodson and B. W. Wilson. 2,510,821, June 6.
Pinchcock. M. R. Fields. 2,503,327, Apr. 11.
Pineapple juice, Processing of. G. M. Eguchi and C. H. Wells. 2,496, 202, Jan. 31.
Pineapple plant culture. F. P. Mehrlich. 2,527,499, Oct. 24.
Pinion forming machine. W. P. Gallagher. 2,525,029, Oct. 10.
Pinking machine. K. S. Christensen. 2,520,529, Aug. 29.
Pipe: *See*—
Flexible drill pipe.
Heavy-duty flexible drill pipe.
Smoke-cooling pipe.
Smoker's pipe.
Smoking pipe.
Stoker smoking pipe.
Thermal insulated pipe.
Tobacco pipe.
Welded steel pipe.
Pipe aligning and spacing apparatus. F. Ingemarson. 2,525,680, Oct. 10.
Pipe aligning tool. P. B. Mitchell. 2,522,459, Sept. 12.
Pipe and making same, Hose. L. Leben. 2,512,433, June 20.
Pipe and obtaining the same, Cold-worked. L. F. Sattele and F. M. Scharff. 2,503,512, Apr. 11.
Pipe and pyrophoric lighter, Combined tobacco-smoking. F. H. Bowers. 2,529,278, Nov. 7.
Pipe and rail chipper. A. R. Moore, Sr. 2,503,288, Apr. 11.
Pipe and valve for flush tanks, Overflow. E. Schulz. 2,528,556, Nov. 7.
Pipe bending apparatus with pivoted side shapers. H. A. Mueller. 2,497,622, Feb. 14.
Pipe-bending machine. J. D. Cummings. 2,500,980, Mar. 21.
Pipe bending machine. B. V. Elliott. 2,534,429, Dec. 19.
Pipe clamp. C. R. Moline. 2,514,504, July 11.
Pipe clamp. W. J. Roehl. 2,528,180, Oct. 31.
Pipe cleaner. N. Uldbjerg. 2,517,740, Aug. 8.
Pipe cleaning tape reel. W. T. Hall. 2,512,324, June 20.
Pipe connection. J. C. Richardson. 2,497,273, Feb. 14.
Pipe connection. J. van der Heem. 2,500,720, Mar. 14.
Pipe connection, Adjustable. J. H. Goode. 2,497,986, Feb. 21.
Pipe connection, Self-sealing. A. J. De Moude and W. H. Stout. 2,517,290, Aug. 1.
Pipe connector. J. C. Richardson. 2,497,274, Feb. 14.
Pipe connector. J. C. Richardson. 2,522,194, Sept. 12.
Pipe construction, Fuel tank filler. T. W. Stephenson. 2,508,124, May 16.
Pipe coupling. G. S. Allin. 2,516,743, July 25.
Pipe coupling. W. A. Anderson. 2,494,854–5, Jan. 17.
Pipe coupling. W. H. J. Brock. 2,505,093, Apr. 25.
Pipe coupling. J. W. Clerke. 2,531,401, Nov. 28.
Pipe coupling. J. B. Graham. 2,508,914, May 23.
Pipe coupling. G. F. Hauf. 2,508,716, May 23.
Pipe coupling. H. E. Ison. 2,509,925, May 30.
Pipe coupling. F. N. Johnson and H. D. Ault. 2,526,754, Oct. 24.
Pipe coupling. C. E. Knox, Jr. 2,496,167, Jan. 31.
Pipe coupling. B. N. R. Lamont. 2,503,826, Apr. 11.
Pipe coupling. D. E. Meese. 2,534,723, Dec. 19.
Pipe coupling. H. E. Neely. 2,519,847, Aug. 22.
Pipe coupling. G. A. Noll. 2,529,098, Nov. 7.
Pipe coupling. J. B. Smith. 2,502,351, Mar. 28.
Pipe coupling. L. P. Winby. 2,500,909, Mar. 14.
Pipe cutter. A. S. Cann 2,513,842, July 4.
Pipe cutter. R. C. Coburn. 2,502,825, Apr. 4.
Pipe cutter. G. P. Ellis. 2,534,858, Dec. 19.
Pipe cutter. S. Ginns. 2,526,471, Oct. 17.
Pipe cutter. M. Wernli. 2,516,817, July 25.
Pipe-cutting machine to produce predetermined contours of cuts. A. Jesonis. 2,528,147, Oct. 31.
Pipe cutting tool. T. J. Evans. 2,502,711, Apr. 4.
Pipe fittings, Making. W. F. Keller. 2,507,859, May 16.
Pipe fittings, Method of and machine for making. J. H. Taylor. 2,534,185, Dec. 12.
Pipe for liquid containers, Fill. H. C. Gerling. 2,524,313, Oct. 3.
Pipe for processing containers, Dip. S. W. McCann. 2,535,437, Dec. 26.
Pipe for rotary swivels, Wash. G. R. Tremolada. 2,496,569, Feb. 7.
Pipe form suspension and stripping unit. H. G. Holston. 2,515,088, July 11.
Pipe forming machine, Ditch. A. F. Butcher. 2,520,199, Aug. 29.
Pipe hook. A. Silberman. 2,534,739, Dec. 19.
Pipe jack. R. J. Cooper. 2,514,374, July 11.
Pipe joint. A. C. Arbogast. 2,495,622, Jan. 24.
Pipe joint. L. J. Bergsten. 2,510,949, June 13.
Pipe joint. L. E. Bober. 2,512,009, June 20.
Pipe joint. G. T. Grigg. 2,493,452, Jan. 3.
Pipe joint. W. W. Hamill. 2,505,397, Apr. 25.
Pipe joint. A. Huyton. 2,494,659, Jan. 17.
Pipe joint. D. E. Jack. 2,501,943, Mar. 28.
Pipe joint. C. Keller. 2,498,924, Feb. 28.
Pipe joint. G. A. Peterson. 2,496,813, Feb. 7.
Pipe joint. P. R. Pierson and G. L. Claybourn. 2,516,019, July 18
Pipe joint. A. J. Turpin. 2,511,754, June 13.
Pipe joint. F. J. Veitch. 2,498,831, Feb. 28.
Pipe joint and union. K. C. Hanson. 2,522,785, Sept. 19.
Pipe joint compound, Sealing and antiseize. C. H. Cox. 2,508,596, May 23.
Pipe layout tool. O. P. Parsons. 2,533,500, Dec. 12.
Pipe-line closure. L. B. Kendall. 2,526,238, Oct. 17.
Pipe-line reclaimer. S. R. Knapp. 2,528,231, Oct. 31.
Pipe lining device. W. A. Frank. 2,517,780, Aug. 8.
Pipe lining method and machine. J. M. Crom. 2,513,289, July 4.
Pipe making machine, Earthenware. W. A. and R. G. Clark. 2,502,247, Mar. 28.
Pipe or conduit coupling. J. A. Jensen. 2,528,369, Oct. 31.
Pipe patch. M. F. Hampton. 2,520,802, Aug. 29.
Pipe pellet. C. Wynecoop. 2,495,882, Jan. 31.
Pipe puller. M. L. Cohn 2,502,826, Apr. 4.
Pipe quartering device. D. E. Mullin. 2,531,077, Nov. 21.
Pipe rack. D. R. Moore. 2,507,040, May 9.
Pipe sections for oil well drills or the like, Multiple passage. J. Frost and R. Hermes. 2,494,803, Jan. 17.
Pipe severing device. A. C. Mayer and J. J. Blackmore. 2,511,358, June 13.
Pipe spinner. R. Carson. 2,523,193, Sept. 19.
Pipe spinner. A. L. Stone. 2,523,159, Sept. 19.
Pipe square, Adjustable. H. C. Harnish, Jr., and C. Arndt. 2,524,168, Oct. 3.
Pipe stabbing device. F. L. Scott. 2,530,788, Nov. 21.
Pipe stem cleaner. D. McCann and I. Berlin. 2,510,345, June 6.
Pipe structure, Composite. W. H. Siebels. 2,512,116, June 20.
Pipe support. T. L. E. Haug. 2,533,370, Dec. 12.
Pipe support. J. F. Walsh. 2,523,484, Sept. 26.
Pipe testing machine. L. A. Camerota. 2,522,927, Sept. 19.
Pipe testing plug. B. W. Sunde. 2,526,172, Oct. 17.
Pipe, Tobacco. O. M. Ingebretsen. 2,508,165, May 16.
Pipe tong die. W. A. Wilson. 2,517,366, Aug. 1.
Pipe union. D. J. Parmesan. 2,493,996, Jan. 10.
Pipe vise selectively supportable by floor frame or suspendible from overhead joists. N. C. Loos. 2,524,916, Oct. 10.
Pipe welding and magnetic testing apparatus. R. A. Peterson, D. F. Heckle, and J. E. Clarke. 2,495,544, Jan. 24.
Pipe wiper cutter. J. C. Ballagh. 2,508,362, May 23.
Pipette, Mechanical. G. S. Riggs. 2,530,909, Nov. 21.
Piping system, Prefabricated. E. W. Kaiser. 2,511,343, June 13.
Piperazine derivatives. R. M. Jacob and J. Robert. 2,534,774, Dec. 19.
Piperazines and preparing the same, Substituted. H. W. Stewart and E. G. Lee. 2,520,479, Aug. 29.
Piperido-phenanthrene derivatives and their production. O. Schnider and A. Grüssner. 2,524,856, Oct. 10.
Piperidones, Preparing substituted. H. A. Bruson and W. D. Niederhauser. 2,505,459, Apr. 25.
Pistol, Air. G. E. Van Blarcom. 2,526,305, Oct. 17.
Pistol, Cap. R. T. Milne. 2,507,805, May 16.
Pistol lock. J. P. Charters. 2,505,227, Apr. 25.
Pistol, Pneumatic. A. Lawrence. 2,525,689, Oct. 10.
Pistol, Pneumatic. W. A. Tratsch. 2,526,592, Oct. 17.
Pistol, Slingshot. M. Jarnagin. 2,501,568. Mar. 21.
Pistol, Water. J. W. Arpin. 2,527,614, Oct. 31.
Pistol with blowback breechblock, Semiautomatic. E. J. and J. C. Simonson. 2,495,428, Jan. 24.

Piston. E. E. Chatterton. 2,534,573, Dec. 19.
Piston. A. W. Ernestus. 2,494,748, Jan. 17.
Piston. G. A. Holt and R. Watts. 2,523,699, Sept. 26.
Piston. S. E. Jessup. 2,522,229, Sept. 12.
Piston. G. L. Moore. 2,513,814, July 4.
Piston. R. M. Rodger. 2,506,811, May 9.
Piston. W. M. Venner and P. L. Bowser. 2,497,380, Feb. 14.
Piston. W. M. Venner and P. L. Bowser. 2,513,437, July 4.
Piston and connecting rod assembly. W. Heusser. 2,513,023, June 27.
Piston and crankshaft connecting means for internal-combustion engines. R. A. Poage. 2,513,514, July 4.
Piston and rod, Combination. J. W. McClatchie. 2,519,144, Aug. 15.
Piston construction. J. N. Saler. 2,524,273, Oct. 3.
Piston construction. L. E. Simmons. 2,529,053, Nov. 7.
Piston and cylinder assembly. F. F. Warner, M. L. Brooks, and J. E. Bardelmeier. 2,498,971, Feb. 28.
Piston cup, Reinforced. F. W. Blake and J. H. Dunlevy. 2,521,145, Sept. 5.
Piston expander. A. J. Mummert. 2,494,896, Jan. 17.
Piston expanding device. G. C. Mayfield. 2,499,599, Mar. 7.
Piston for fountain pens. B. Nilsen. 2,531,078, Nov. 21.
Piston, Internal-combustion engine. L. Duncan. 2,512,739, June 27.
Piston lock. F. Halward. 2,532,768, Dec. 5.
Piston mold. E. G. Fahlman and S. W. Jackson. 2,527,537, Oct. 31.
Piston, Oil control. H. M. Bramberry, Sr. 2,511,458, June 13.
Piston pump. E. Bobard. 2,519,106, Aug. 15.
Piston ring. A. H. Heinrich. 2,496,048, Jan. 31.
Piston ring. M. W. Marien. 2,519,683–4, Aug. 22.
Piston ring. T. E. McFall. 2,517,225, Aug. 1.
Piston ring. T. E. McFall. 2,520,369, Aug. 29.
Piston ring. T. E. McFall. 2,521,300, Sept. 5.
Piston ring. A. R. Moore. 2,532,180, Nov. 28.
Piston ring. H. P. Phillips. 2,511,874, June 20.
Piston ring. H. Pien. 2,531,784, Nov. 28.
Piston ring. G. H. Roberts. 2,522,764, Sept. 19.
Piston ring. D. A. Ross. 2,503,133, Apr. 4.
Piston ring elements, The manufacture of. H. P. Phillips. 2,500,566, Mar. 14.
Piston ring for oil pumps. J. C. Vroman. 2,504,363, Apr. 18.
Piston ring assembly. H. P. Phillips. 2,527,958, Oct. 31.
Piston ring tool. S. A. Dionne. 2,526,855, Oct. 24.
Piston rod assembly, Slush pump. H. B. Young. 2,528,104, Oct. 31.
Piston valve. A. R. Stone. 2,500,883, Mar. 14.
Pit, Portable. G. O. Hoffstetter. 2,520,405, Aug. 29.
Pit-type furnace. J. M. Guthrie. 2,514,860, July 11.
Pitter, Cherry. C. E. Ives. 2,535,928, Dec. 26.
Pitter for fruit, Centrifugal. F. Derbenwick, J. F. Ryan, Jr., and N. C. Calhoun. 2,516,963, Aug. 1.
Pitch adjusting mechanism. T. H. Troller. 2,495,433, Jan. 24.
Pitch changing device for stringed musical instruments. W. E. Smith. 2,524,144, Oct. 3.
Pitch control, Automatic. C. G. Yates, Jr. 2,531,188, Nov. 21.
Pitch propeller, Controllable. R. B. Eaves. 2,513,156, June 27.
Pitch propeller, Controllable. G. W. Hardy. 2,515,037, July 11.
Pitch propeller, Controllable. B. N. and H. E. Willis. 2,527,112, Oct. 24.
Pitch propeller operating mechanism for marine propulsion plants, Variable. F. Roesch. 2,501,617, Mar. 21.
Pitch propeller, Variable. J. E. Anderson. 2,533,415, Dec. 12.
Pitch propeller, Variable. M. E. Cushman. 2,514,477, July 11.
Pitch propeller, Variable. M. E. Cushman. 2,533,358, Dec. 12.
Pitch propeller, Variable. A. G. Forsyth. 2,502,002, Mar. 28.
Pitch propeller, Variable. B. W. King. 2,533,321, Dec. 12.
Pitch propeller, Variable. L. K. Miller. 2,515,607, July 18.
Pitcher. H. J. Kent. 2,516,703, July 25.
Pitcher cooler. J. E. Phelps. 2,517,922, Aug. 8.
Pitman connection for children's wagons. R. L. Everist. 2,516,193, July 25.
Pitman, crankpin, and boxing for mowing machines. J. E. Sugden. 2,515,910, July 18.
Pivot for railroad and the like vehicles, Elastic. P. M. Bourdon. 2,499,087, Feb. 28.
Pivot for ventilator panels, Variable friction. G. M. Lane and H. G. Thunder. 2,534,779, Dec. 19.
Pivot, Jalousie Slat. C. V. Pettit. 2,513,250, June 27.
Pivot retainer. N. E. Hart. 2,531,125, Nov. 21.
Pivot straightening device. F. Varga. 2,505,924, May 2.
Pivotal hook clamp. C. J. Krajenka. 2,498,858, Feb. 28.
Pivotally supported ironing board. A. P. Lantz. 2,514,705, July 11.
Pivoted arm jar cap wrench. B. A. Stamp. 2,523,544, Sept. 26.
Pivoted breech bolt lock. B. Maillard. 2,522,628, Sept. 19.
Pivoted cam jar cap wrench. W. H. Banks. 2,505,517, Apr. 25.
Pivoted hair curling clip. J. Campanella. 2,517,971, Aug. 8.
Pivoted outer jaw wrench. C. H. Ortman. 2,499,327, Feb. 28.
Pivoted rack catch sliding jaw wrench. C. H. Ortman. 2,504,721, Apr. 18.
Place card. W. D. Corning. 2,523,196, Sept. 19.
Placenta filter. A. C. Burke. 2,506,342, May 2.
Plain bearing. J. W. Frazier and L. J. Koch. 2,525,887, Oct. 17.
Plaiter. H. H. Belcher. 2,529,991, Nov. 14.
Plan position indicator. M. A. Starr. 2,529,823, Nov. 14.
Plane, Smoothing. S. Telasky. 2,497,701, Feb. 14.
Planer and height gauge. J. Schury. 2,518,080, Aug. 8.
Planer drive. J. M. Walter. 2,504,366, Apr. 18.
Planer toolbox. J. M. Walter. 2,520,292, Aug. 29.
Planetary gear speed wrench. A. L. Seaquist. 2,520,443, Aug. 29.
Planetary shift mechanism. N. R. Brownyer. 2,516,850, Aug. 1.
Planimeter. N. Porges and J. T. Hogan. 2,495,675, Jan. 24.
Planing machine, Flexible face hand. F. Birchmeier. 2,520,875, Aug. 29.
Plant duster. H. R. Ashcraft. 2,530,039, Nov. 14.
Plant, Explosion gas turbine. F. A. Hill. 2,493,873, Jan. 10.
Plant for the electrolysis of alkali salt solutions. C. Deprez and A. Basilewsky. 2,505,466, Apr. 25.
Plant for treating objects in a liquid. L. J. M. Teepe. 2,505,371, Apr. 25.
Plant growth regulants. W. D. Stewart. 2,535,875, Dec. 26.
Plant growth regulants. W. D. Stewart. 2,535,877, Dec. 26.
Plant, Portable mixing. H. C. Pollitz. 2,493,898, Jan. 10.
Plant, Portable washing. W. A. Erickson. 2,493,955, Jan. 10.
Plant propagation. P. Stark, Jr. 2,523,600, Sept. 26.
Plant receptacle. E. White. 2,519,166, Aug. 15.
Plant setting machine. T. V. Miller. 2,520,809, Aug. 29.
Plant thinning and cultivating machine, Automatically controlled. F. Boncompain. 2,535,720, Dec. 26.
Plant, Unloading, curing, storing, and reloading. E. P. Reese. 2,529,263, Nov. 7.
Planter. P. C. McLemore. 2,509,691, May 30.
Planter. P. E. Milton. 2,496,885, Feb. 7.
Planter. C. H. White. 2,525,435, Oct. 10.
Planter, Corn. J. L. Binkley. 2,528,996, Nov. 7.
Planter, Corn. J. Grier, Jr. 2,518,306, Aug. 8.
Planter, Corn. G. S. Hamilton. 2,520,680, Aug. 29.
Planter runners, Making. C. H. White. 2,505,872, May 2.
Planter, Seed. C. A. Loucks. 2,503,828, Apr. 11.
Planter, Tobacco. R. Shelton. 2,514,522, July 11.
Planter, Tobacco seed. L. O. Scott. 2,518,822, Aug. 15.
Planter, Tree. L. R. Henderson. 2,529,336, Nov. 7.
Planter with rotary agitator, Hand-operated seed. R. A. Mount. 2,520,163, Aug. 29.
Planting P. C. McLemore. 2,514,890, July 11.
Planting and thinning vehicle. A. R. Madsen. 2,514,249, July 4.
Planting apparatus. W. J. Melvin, Jr. 2,506,430, May 2.
Planting machine, Seed. J. Powell. 2,532,191–2, Nov. 28.
Plaster cast cutter. M. Merkur. 2,513,038, June 27.
Plaster composition, Gypsum. J. J. Fitzsimmons. 2,508,600, May 23.
Plaster, Therapeutic. M. S. Corbett. 2,529,139, Nov. 7.
Plasterer's hawk. B. W. Dalton. 2,535,726, Dec. 26.
Plasterer's tool. C. A. Endicott. 2,496,280, Feb. 7.
Plastic articles, Method and apparatus for making hollow. R. E. Roberts. 2,513,052, June 27.
Plastic composition. R. W. Ivett and W. Koch. 2,535,290, Dec. 26.
Plastic composition, Cellulose derivative. W. E. Gloor. 2,505,039, Apr. 25.
Plastic composition containing urea-formaldehyde-condensate, plaster of Paris, wheat flour, and veneer dust, Dry. S. M. Mayfield. 2,517,906, Aug. 8.
Plastic composition, Fireproof and insulating hardenable. C. F. N. Clasen and J. M. Hummer. 2,511,904, June 20.
Plastic composition for battery boxes, Producing a. C. B. Wilde. 2,514,019, July 4.
Plastic composition materials and products made therefrom, M. Croce. 2,526,066, Oct. 17.
Plastic compositions. E. H. Schwencke. 2,515,382, July 18.
Plastic compositions containing polyesters of 2-ethylhexanediol-1,3. W. M. Lanham. 2,512,723, June 27.
Plastic conduits, Method and apparatus for making multiple layer. W. S. Prendergast. 2,501,690, Mar. 28.
Plastic dip tank. J. E. Goldston. 2,495,961, Jan. 31.
Plastic fishing plug. H. C. Smith. 2,520,444, Aug. 29.
Plastic hinge construction for boxes and the like. F. H. Magnus. 2,527,318, Oct. 24.
Plastic knuckle support. M. K. Young. 2,523,606, Sept. 26.
Plastic, Method of and apparatus for forming. G. A. Lyon. 2,528,528–9, Nov. 7.

Plastic products and making, Cellular. R. E. Maier. 2,512,463, June 20.
Plastic refill wax paper dispenser. C. B. Russell. 2,533,841, Dec. 12.
Plastic-reinforced bowling pin. W. Klinger. 2,517,116, Aug. 1.
Plastic sheet material, Producing paper base. I. J. Novak. 2,525,310, Oct. 10.
Plastic sheet, Reinforced. H. Warp. 2,530,106, Nov. 14.
Plastic sheets, Preparing surface-decorated. M. A. Chavannes. 2,527,398, Oct. 24.
Plasticization and vulcanization of butadiene-acrylic nitrile copolymer. L. Coes, Jr. 2,526,601, Oct. 17.
Plasticized copolymer compositions and producing same. A. M. Gessler. 2,521,361, Sept. 5.
Plasticized polymers. J. M. Butler and C. H. Rector. Jr. 2,516,955, Aug. 1.
Plasticizers for vinyl resins. G. R. Sido. 2,524,368, Oct. 3.
Plasticizing agents. W. H. Woodstock. 2,497,920, Feb. 21.
Plasticizing elastomers. J. R. Vincent. 2,493,843, Jan. 10.
Plasticizing isobutylene-diolefin rubber. P. K. Frolich. 2,510,808, June 6.
Plasticizing rubber. B. M. Sturgis and J. J. Verbanc. 2,504,903, Apr. 18.
Plasticizing synthetic rubber. D. J. Beaver and M. C. Throdahl. 2,535,664, Dec. 26.
Plate adjuster, Door strike. C. E. Miller. 2,535,444, Dec. 26.
Plate and dish warming dining table. O. Looft. 2,535,500, Dec. 26.
Plate and drip pan, Heat distributing. J. T. Duarte. 2,513,011, June 27.
Plate and film threading dowel means, Lock-in presser. G. Gano. 2,499,911, Mar. 7.
Plate and separator assembling machine, Storage battery. A. D. Lund. 2,523,910, Sept. 26.
Plate, Clutch. H. V. Reed. 2,507,646, May 16.
Plate construction, Metallic. A. A. Smith. 2,534,311, Dec. 19.
Plate curving process. H. Oettinger, Jr. 2,517,701, Aug. 8.
Plate cylinder for rotary printing presses. R. Solomon. 2,506,845, May 9.
Plate device, Universal checking. G. C. Weis. 2,501,148, Mar. 21.
Plate, Division. L. Hopp and E. Mallman. 2,535,289, Dec. 26.
Plate, Door latch strike. J. E. Yeakel. 2,503,536, Apr. 11.
Plate, Electric heating. S. Teszner. 2,500,885, Mar. 14.
Plate, Electrically heated. I. W. Ellsworth and R. O. Farrar. 2,515,641, July 18.
Plate, Electrically heated hot. R. E. Haines. 2,518,683, Aug. 15.
Plate feeding mechanism for embossing machines. G. R. Isett. 2,528,435, Oct. 31.
Plate for corn shellers, Throat. L. W. Jones. 2,493,973, Jan. 10.
Plate for dry-shaving devices, Apertured cutting. W. L. L. Vivie. 2,494,463, Jan. 10.
Plate for fence posts, Reinforcing. A. E. Brickman. 2,534,410, Dec. 19.
Plate for locks, Escutcheon. J. Guerra. 2,503,044, Apr. 4.
Plate for model railroads, Tie. A. C. Sinelli. 2,511,300, June 13.
Plate for photoengraving and enamel therefor. W. W. MacDonald. 2,526,759, Oct. 24.
Plate for press feeders, Auxiliary reloading. G. W. and H. H. Waller. 2,501,553, Mar. 21.
Plate for roller-skare wheels and the like. J. E. Marshall. 2,509,360, May 30.
Plate for rotary disk knife slicing machines, Masking. H. Thomas. 2,513,598, July 4.
Plate for switch blades, Cam wear. L. C. Carrissimi. 2,494,986, Jan. 17.
Plate forming and finishing machine, Stereotype. O. C. Roesen, C. L. Ricards, and P. L. Tollison. 2,531,647, Nov. 28.
Plate, Fracture nail and bone. E. J. Haboush. 2,496,126, Jan. 31.
Plate, Friction clutch. W. V. Thelander. 2,513,379, July 4.
Plate, Fuel burner flame. W. G. Calkins and E. W. Upham. 2,528,738, Nov. 7.
Plate, Gas range testing. R. J. Dufour. 2,519,237, Aug. 15.
Plate handling mechanism for embossing machines. J. H. Gruver. 2,498,038, Feb. 21.
Plate, Heat distributing. D. Marfield. 2,533,383, Dec. 12.
Plate holder. W. S. and V. L. Holmes. 2,526,820, Oct. 24.
Plate inserter and ejector for embossing machines, Automatic. P. R. Seward. 2,534,834, Dec. 19.
Plate, Joggle. G V. A. Malmros. 2,506,463, May 2.
Plate, Motor mounting. J. J. Byrnes. 2,510,680, June 6.
Plate mounting means for rotary printing machines. L. H. Morse. 2,525,931, Oct. 17.
Plate, Orifice. H. M. Carlson. 2,497,978, Feb. 21.
Plate, Orifice. S. S. Lippincott. 2,520,089, Aug. 22.
Plate, Outboard motor mounting. R. D. Baldwin. 2,527,904, Oct. 31.
Plate, Piezoelectric crystal. H. Jaffe. 2,493,144, Jan. 3.
Plate positioning means in printing machines. F. E. Curtis. 2,535,725, Dec. 26.
Plate, Ridge. R. E. Lushbaugh. 2,516,894, Aug. 1.
Plate, Saddle rig. W. D. Allison. 2,525,849, Oct. 17.
Plate, Sectional. J. L. Remco. 2,495,132, Jan. 17.
Plate securing means. C. S. Crafts. 2,496,200, Jan. 31.
Plate, Shuttle box. E. H. Ashton. 2,493,611, Jan. 3.
Plate, Storage battery. L. Evans. 2,515,204, July 18.
Plate support. W. J. Tolson. 2,525,737, Oct. 10.
Plate, Utility. H. H. Collins. 2,522,703, Sept. 19.
Plate with streamline discharge guide, Seed measuring. C. H. White. 2,506,658, May 9.
Platen rotating mechanism for stenographic typewriters. H. M. Von Duyke. 2,500,587, Mar. 14.
Plates or sheets, Producing composite. H. F. Waards. 2,508,128, May 16.
Plating. R. A. Schaefer. 2,500,205, Mar. 14.
Plating, Copper-tin alloy. F. A. Lowenheim. 2,528,601, Nov. 7.
Plating for electrodes, Protective. L. A. Wooten. 2,535,713, Dec. 26.
Plating metals with zirconium. R. S. Miner, Jr., and L. E. Klekamp, Jr. 2,510,128, June 6.
Plating nonmetallic surfaces. D. C. Gresham. 2,533,454, Dec. 12.
Plating of knitted fabrics, Needle reverse. J. L. Getaz. 2,515,505, July 18.
Plating rack. R. T. Batina. 2,514,923, July 11.
Plating rack. A. G. Russell. 2,511,128, June 13.
Plating rack. R. S. Snyder. 2,523,973, Sept. 26.
Plating with metal carbonyl. J. T. Young and O. R. Angelillo. 2,523,461, Sept. 26.
Plating zinc on aluminum. J. E. Stareck and F. Passal. 2,511,952, June 20.
Platform. E. A. Black. 2,510,059, June 6.
Platform adjusting means for harvester-threshers. N. R. Krause. 2,509,357, May 30.
Platform for converting the after compartment of an automobile. W. J. Titley. 2,503,602, Apr. 11.
Platform for firearms, Cartridge loading. L. F. Mulno. 2,495,384, Jan. 24.
Platform for pedestal desks, Folding typewriter. J. H. Brinker and F. Conley. 2,498,243, Feb. 21.
Platform, Ladder. K. C. Miller. 2,500,559, Mar. 14.
Platform, Portable. N. L. Cahners. 2,503,240, Apr. 11.
Platform, Stable. R. H. Varian. 2,517,612, Aug. 8.
Playbox, Sand. J. M. Zahner. 2,511,089, June 13.
Playground equipment. W. E. Pricer. 2,497,372, Feb. 14.
Playhouse and tent. H. R. Goodale. 2,535,792, Dec. 26.
Play yard, Automatically folding. H. J. Landry. 2,523,124, Sept. 19.
Playing card holder. N. M. Boward. 2,520,490, Aug. 29.
Playing piece return mechanism. J. E. Beck. 2,521,563, Sept. 5.
Pleating. A. M. Hess. 2,527,360, Oct. 24.
Pleating for garments. C. Brennan. 2,530,678, Nov. 21.
Pleating for slip covers and draperies. E. J. Martens. 2,512,868, June 27.
Pleating of draperies. H. Sherman. 2,520,787, Aug. 29.
Plier construction, Friction pin spring compressor. J. R. Meyer. 2,505,564, Apr. 25.
Pliers. D. H. Hamel. 2,507,784, May 16.
Pliers. A. M. Malouf. 2,531,522, Nov. 28.
Pliers. H. W. Stark and R. A. Grant. 2,535,375, Dec. 26.
Pliers, Adjustable jaw. H. R. Ross. 2,510,660, June 6.
Pliers, Adjustable toggle. B. Pepperdine. 2,518,173, Aug. 8.
Pliers for electrical spring contacts, Adjusting. F. S. Craig. 2,503,657, Apr. 11.
Pliers for reaming conduits and applying terminal nuts, Electrician's. L. White. 2,526,180, Oct. 17.
Pliers, Lockable. S. L. Coles. 2,513,401, July 4.
Pliers, Quick opening. R. L. Parker. 2,500,261, Mar. 14.
Plier wrench. H. N. Boyer. 2,519,630, Aug. 22.
Pliers, Wrench type. L. C. Mead. 2,519,973, Aug. 22.
Plotter, Automatic. R. W. Benfer. 2,499,941, Mar. 7.
Plow. W. V. Westfall. 2,503,532, Apr. 11.
Plow and mounting therefor, Vibrating. W. T. Graham. 2,493,811, Jan. 10.
Plow and pulverizer. H. G. Traver. 2,524,943, Oct. 10.
Plow and screen, Rotary. H. W. Hamlett. 2,533,793, Dec. 12.
Plow attachment. L. P. Noel. 2,502,532, Apr. 4.
Plow depth control. C. W. Mott. 2,527,840, Oct. 31.
Plow, Direct-coupled automatic release tractor. G. R. Ego. 2,505,609, Apr. 25.
Plow, Direct-coupled tractor. E. W. Todd. 2,505,580, Apr. 25.
Plow, Disk. O. W. Oerman. 2,512,962, June 27.
Plow elevating mechanism. R. B. Bourne. 2,513,231, June 27.
Plow, Flexible disk. D. L. Strauss. 2,518,646, Aug. 15.
Plow machine, Malting. D. Grimaldi. 2,495,096, Jan. 17.
Plow, Rotary. E. L. Rose. 2,532,424, Dec. 5.
Plow, Rotary. E. L. Rose. 2,533,693 Dec. 12.
Plowshare. F. Warholoski 2,529 435, Nov. 7.
Plow, Two-way. J. M. Markel. 2,511,070, June 13.
Plucker, Poultry. J. C. Lanzisera. 2,496,223, Jan. 31.
Plucking feathers. K. Tomlinson. 2,512,843, June 27.

Plug: *See*—
Adjustable appliance plug.
Air-cooled igniter plug.
Air-cooled spark plug.
Aviation spark plug.
Battery nonspill vent plug.
Cementing plug.
Combination contact plug.
Connecting plug.
Dehydrator plug.
Electric attachment plug.
Electric extension cord plug.
Electric fish plug.
Electric plug.
Electric stage plug.
Electrical connector plug.
Expansible tube plug.
Fish plug.
Fishing plug.
Fuse plug.
Fused electric plug.
Ignition plug.
Iron plug.
Jordan plug.
Low tension sparking plug.
Multiple outlet electrical connector plug.
Pipe testing plug.
Plastic fishing plug.
Polarized fuse pin plug.
Safety plug.
Sink trap plug.
Spark plug.
Well plug.

Plug and circuit breaker, Combined. J. D. Bolesky. 2,508,637, May 23.
Plug and latch therefor, Drain. D. McVey. 2,510,410, June 6.
Plug and making the same, Spark. A. J. Gogel. 2,499,823, Mar. 7.
Plug and plugboard. L. Rosen. 2,506,615, May 9.
Plug and receptacle construction. C. Miller. 2,503,286, Apr. 11.
Plug and seal for diverse elongated pipe-cleaning elements, Closure. R. R. Tubbs. 2,499,801, Mar. 7.
Plug and socket, Combination electric. C. T. Grill. 2,524,701, Oct. 3.
Plug and socket connection. J. F. Kenure and H. F. Whitmarsh. 2,493,457, Jan. 3.
Plug and socket, Fuse. R. O. Campbell. 2,528,857, Nov. 7.
Plug cock. S. G. Shand and R. H. Price. 2,520,288, Aug. 29.
Plug cock valve. O. Jacobsen. 2,501,945, Mar. 28.
Plug cock valve. O. Jacobsen. 2,501,946, Mar. 28.
Plug connector. G. B. Benander. 2,495,623, Jan. 24.
Plug for diplex transmission lines, Shorting. G. A. Kumpf. 2,531,519, Nov. 28.
Plug for footwear, Protective. J. Harvey. 2,521,515, Sept. 5.
Plug for internal-combustion engines, Glow. E. J. Bentz and K. J. Fleck. 2,506,768, May 9.
Plug for liquid fuel burners, Vapor discharge. A. J. Turpin. 2,511,753, June 13.
Plug for repeating shotguns, Magazine. N. A. Hemmerling. 2,511,505, June 13.
Plug for safety systems, Fusible and frangible. J. H. De Frees. 2,508,231, May 16.
Plug for welding rods, Venting. B. D. Smith. 2,531,005, Nov. 21.
Plug gauge. E. W. Dower. 2,493,233, Jan. 3.
Plug gauge. B. W. Forslund and A. H. R. C. Hoppe. 2,494,168, Jan. 10.
Plug gauge. F. P. Jenkin. 2,517,319, Aug. 1.
Plug gauge. A. Manvers. 2,524,984, Oct. 10.
Plug retriever, Fisherman's. W. H. Stricker. 2,494,012, Jan. 10.
Plug retriever, Fishing. W. N. Adams, Jr. 2,493,100, Jan. 3.
Plug, socket, and panel assembly, Combination. J. W. Beatty. 2,535,031, Dec. 26.
Plug valve. L. J. Bordo. 2,504,297, Apr. 18.
Plug valve. C. P. Graham. 2,524,104, Oct. 3.
Plug valve. O. Jacobsen. 2,505,970, May 2.
Plug valve. O. Jacobsen. 2,518,790, Aug. 15.
Plug wrench. J. Kluth. 2,515,558, July 18.
Plugger and apple corer, Melon. G. S. Peterson. 2,503,064, Apr. 4.
Plumb bob, Adjustable. C. G. Bynum. 2,509,959, May 30.
Plumb bob having vertical light-ray projector. R. R. Esher. 2,517,295, Aug. 1.
Plumb bob, line, and winding spool. J. C. Chesbro. 2,499,722, Mar. 7.
Plumb bob with magnetic point. C. Armstrong. 2,523,351, Sept. 26.
Plumbing fitting assembly. J. H. Schmid. 2,513,750, July 4.
Plunger actuated valve. B. N. Ashton. 2,506,128, May 2.
Plunger for compression ignition engines, Injection. K. J. Fleck. 2,535,535, Dec. 26.
Plunger for variable resonant cavities, Tuning. J. H. Schmidt. 2,523,725, Sept. 26.
Plunger, Force. G. W. Hollandsworth. 2,526,750, Oct. 24.
Plunger, Fuel injection pump. R. Macdonald. 2,516,521, July 25.
Plunger mechanism, Solenoid. J. R. Almond and W. C. Bosworth. 2,529,533, Nov. 14.
Plunger pump. M. W. Coleman. 2,498,359, Feb. 21.
Plunger type photoflash switch. K. Breuning. 2,530,938, Nov. 21.
Plural scale telemetering indicating system. L. M. Campani. 2,533,091, Dec. 5.
Plural soap cake holder. F. T. Plack. 2,522,483, Sept. 12.
Plural stage tube mill. R. S. Fraser and G. W. Morthland. 2,501,166, Mar. 21.
Plural tube filter. E. W. Klein, Jr. 2,519,663, Aug. 22.
Plywood. W. L. Alderson, Jr. 2,532,983, Dec. 5.
Plywood furniture frame. M. Breuer. 2,503,933, Apr. 11.
Pneumatic apparatus for rapping electrodes in electrical precipitators. F. H. Viets. 2,525,325, Oct. 10.
Pneumatic appartus for the manufacture of cemented shoes. C. F. Delsordo. 2,530,761, Nov. 21.
Pneumatic coal cleaner. J. H. Fletcher, H. A. Treadwell, and G. W. Wallace. 2,512,422, June 20.
Pneumatic control apparatus. C. B. Moore. 2,516,333, July 25.
Pneumatic control apparatus. C. B. Moore. 2,518,244, Aug. 8.
Pneumatic control system. J. H. McLeod, Jr. 2,505,981, May 2.
Pneumatic conveyer tube joint. E. J. Stoecklin. 2,519,203, Aug. 15.
Pneumatic gauge. D. A. Gauthier. 2,500,067, Mar. 7.
Pneumatic jack. G. B. Gaines. 2,507,628, May 16.
Pneumatic micrometry plug gauge. M. Mennesson. 2,529,170, Nov. 7.
Pneumatic pressure operated device. H. J. Sadler and E. E. Cook. 2,500,383, Mar. 14.
Pneumatic sanding wheel. A. W. Mall. 2,505,680, Apr. 25.
Pneumatic separator. L. F. Winslow. 2,513,073, June 27.
Pneumatic structure. M. J. Sturtevant. 2,508,303, May 16.
Pneumatic suspension and shock absorbing mechanism for vehicles. R. E. Cornwell. 2,503,378, Apr. 11.
Pneumatic suspension for motor vehicles and the like. G. M. Magrum. 2,506,726, May 9.
Pneumatic-type aircraft landing gear. V. N. Braden and F. E. Ensley. 2,522,340, Sept. 12.
Pneumatic valve. W. E. Newman. 2,533,608, Dec. 12.
Pocket. J. De Grazia. 2,501,162, Mar. 21.
Pocket and closure means therefor, Tobacco. M. A. Saltz. 2,519,290, Aug. 15.
Pocket and flap, Combined garment. G. O. Driesbach. 2,528,044, Oct. 31.
Pocket attachment, Clip retaining. W. Albro. 2,523,804, Sept. 26.
Pocket attachment, Garment. R. B. Lewis. 2,522,051, Sept. 12.
Pocket assemblage, Garment. W. Landy. 2,527,224, Oct. 24.
Pocketbook soap dispenser. C. J. Speas. 2,507,228, May 9.
Pocket case adapted to receive a memorandum pad, Side and top opening. D. J. Broughton. 2,531,606, Nov. 28.
Pocket construction for handbags, Secret. H. B. Kirsch and E. Orinsky. 2,521,377, Sept. 5.
Pocket construction, Garment. L. Berman. 2,534,335, Dec. 19.
Pocket construction in trousers. M. Neinken. 2,498,048, Feb. 21.
Pocket device for garments. H. Kass. 2,501,338, Mar. 21.
Pocket flight position indicator. J. K. Christie. 2,516,677, July 25.
Pocket for hunting garments, Muff. E. M. Henderson. 2,495,582, Jan. 24.
Pocket handkerchief holding frame. S. J. Graham. 2,528,878, Nov. 7.
Pocket, Hip. C. Capuano. 2,524,879, Oct. 10.
Pocket implement. E. E. Mravik. 2,512,237, June 20.
Pocket insert. H. L. Brown. 2,511,242, June 13.
Pocket key case. L. Brill. 2,527,175, Oct. 24.
Pocket parliamentary law indicator. E. M. Hazel. 2,498,854, Feb. 28.
Pocket piece. S. Peters. 2,508,535, May 23.
Pocket-size manicure case. B. Kend. 2,523,028, Sept. 19.
Pocket-size tissue container. S. S. Speckman and M. Yoss. 2,501,357, Mar. 21.
Pocket, Waterproof. E. B. Davis. 2,521,047, Sept. 5.
Podocarpinol. H. H. Zeiss. 2,504,612, Apr. 18.
Point locating and marking device for laying out machine work. F. F. Kreipl. 2,503,392, Apr. 11.
Point locking folding chair. H. N. Anderson. 2,516,610, July 25.
Point setter, Glazier's. D. J. Harris. 2,506,871, May 9.
Point straightening mechanism for knitwear looping machines. J. T. Jullie. 2,498,496, Feb. 21.
Pointer and scale indicator, Reversible. H. Bernard. 2,521,564, Sept. 5.
Pointer for photo retouching pencils. H. L. Adams. 2,512,846, June 27.
Pointer, Grease-dampened. L. A. Paine and R. A. Road. 2,518,928, Aug. 15.
Pointer, Pencil. J. E. Riker. 2,496,495, Feb. 7.
Pointing device, Periscopic. R. Laverdure. 2,523,577, Sept. 26.
Pointing tubes, Method and machine for. P. Mueller. 2,514,507, July 11.
Poising and balancing tool. W. E. Berlincourt. 2,517,830, Aug. 8.
Polar locking circuit. A. E. Canfora. 2,526,003, Oct. 17.
Polarimetric method and means of determining the degree of alignment of fibers. W. McMahon. 2,509,068, May 23.
Polariscope, Photoelectric automatically balancing. J. R. Earl, E. M. Hartmann, R. A. McGinnis, and O. P. W. Bernhardt. 2,503,808, Apr. 11.
Polarized fuse pin plug. P. Sciara. 2,496,413, Feb. 7.
Polarizing apparatus for determining color blindness, Light. R. L. Clarke. 2,494,543, Jan. 17.
Pole, Adjustable clothes. R. A. Smith. 2,495,610, Jan. 24.

Pole and rod holding device. T. J. Brown and E. B. Bush. 2,506,824, May 9.
Pole climber. R. J. Miller. 2,519,589, Aug. 22.
Pole feeding device for pole peeling machines. R. C. Augustin. 2,505,168, Apr. 25.
Pole gaining machine. G. V. Cook. 2,520,457, Aug. 29.
Pole guard. D. C. Hubbard. 2,534,170, Dec. 12.
Pole, Rug. K. E. Hebenstreit. 2,513,724, July 4.
Pole top gin and auxiliary crossarm. B. A. Beebe. 2,502,815, Apr. 4.
Pole top pin. W. G. Milne. 2,500,995, Mar. 21.
Polis, Copolymer liquid. W. B. Canfield. 2,511,695, June 13.
Polish applying device. Nonsmear nail. B. and R. Lipnicki, and J. A. Maselek. 2,524,322, Oct. 3.
Polish, Automobile. C. C. Currie. 2,523,281, Sept. 26.
Polisher, Floor. L. Goldenberg. 2,498,205, Feb. 21.
Polishing and laminating machine, Rotary. J. Ettl. 2,511,703, June 13.
Polishing articles and a device for use therein. E. G. Whitehead. 2,494,733, Jan. 17.
Polishing buff, Pressure cooled. F. Mollica. 2,519,275, Aug. 15.
Pollshing device, Fibrous. F. A. Upper and R. A. Baumgartner. 2,532,248, Nov. 28.
Polishing glass, Method and apparatus for. A. Lecron. 2,508,276, May 16.
Polishing glassware, Fire. C. A. Borchert and R. H. Johnson. 2,507,433, May 9.
Polishing kit. C. H. Kreidler. 2,523,909, Sept. 26.
Polishing machine. C. I. Packer, P. R. Nickerson, and J. F. Harper. 2,507,677, May 16.
Polishing machine. M. V. Triggs. 2,532,581, Dec. 5.
Polishing machine, Automatic. I. H. Russell. 2,507,998, May 16.
Polishing machine for bearing races. T. R. Brink. 2,527,791, Oct. 31.
Polishing machine with reciprocating polishing belt, Electric shoe. G. T. Fielding. 2,498,947, Feb. 28.
Polishing of metals, Electrolytic. E. der Mateosian. 2,506,582, May 9.
Polishing of metals, Electrolytic. E. der Mateosian. 2,516,105. July 25.
Polishing silver choloride. P. Geisecke and N. B. Colthup. 2,528,224, Oct. 31.
Polishing wheel. S. Hays. 2,499,643, Mar. 7.
Polyacetal polysulfide polymer. J. C. Patrick. 2,527,376, Oct. 24.
Polyalkylthiophene, Wax-substituted. O. M. Reiff and H. J. Andress, Jr. 2,502,390, Mar. 28.
Polyallyl acetoxyacetate. D. E. Adelson and H. Dannenberg. 2,503,699, Apr. 11.
Polyallyl derivatives, Production of. E. M. Evans and H. T. Hookway. 2,535,533, Dec. 26.
Polyamide cold bonded laminate. J. D. Pickens. 2,502,340, Mar. 28.
Polyamide compositions, Plasticized. G. R. Sido. 2,499,932, Mar. 7.
Polyamide polymers and preparing same. W. A. Jordan, S. H. Shapiro, and J. M. Schrager. 2,518,148, Aug. 8.
Polyamide polymers, Multichain. P. J. Flory. 2,524,046, Oct. 3.
Polyamide resins, Multichain. P. J. Flory. 2,524,045, Oct. 3.
Polyamide treated with a hypophosphorous acid compound. H. W. Gray. 2,510,777, June 6.
Polyamides and obtaining same. E. K. Bolton and W. Kirk, Jr. 2,512,606, June 27.
Polyamides containing glutarimide rings, Production of. J. Lincoln and J. G. N. Drewitt. 2,502,576, Apr. 4.
Polyamides containing intralinear cyclic groups and obtaining same, Synthetic linear. D. C. Pease. 2,516,585, July 25.
Polyamides, Production of linear. S. J. Allen and J. G. N. Drewitt. 2,502,548, Apr. 4.
Polyamides, Production of linear. J. Lincoln. 2,500,317, Mar. 14.
Polyazo dyestuffs. W. Bossard and E. Keller. 2,507,754, May 16.
Polyazo dyestuffs. W. Hanhart. 2,519,651, Aug. 22.
Polyazo dyestuffs. P. Hindermann, W. Bossard, and A. Krebser. 2,535,416, Dec. 26.
Polyazo dyestuffs of the pyrazolone series and making same. P. Hindermann. 2,517,312, Aug. 1.
Polycarbonylic compounds and preparation of the same. C. W. Smith. 2,516,729, July 25.
Polycarboxylic amino acids, Producing. F. C. Bersworth. 2,500,019, Mar. 7.
Polychloroprene and preparation thereof. H. H. Abernathy and G. W. Scott. 2,493,798, Jan. 10.
Polychloroprene rubbers. R. S. Barrows. 2,505,226, Apr. 25.
Polychrome beam light signal. J. W. Knapp. 2,531,337, Nov. 21.
Polychrome offset printing. L. G. Dubuit. 2,510,388, June 6.
Polycyanohydrin made by reacting hydrogen cyanide with a monoolefin/carbon monoxide polymer. P. S. Pinkney. 2,495,284, Jan. 24.
Polycyclicalkyl arylsulfonic acid derivatives as surface-active agents. L. Schmerling. 2,524,086, Oct. 3.
Polycyclic aromatic hydrocarbons, Production of. H. Pines and V. N. Ipatieff. 2,526,895, Oct. 24.
Polycyclopentadiene compositions, Production of. J. K. Simons. 2,503,972, Apr. 11.
Polyepoxide-containing compositions and reaction products. S. O. Greenlee. 2,528,359, Oct. 31.
Polyester-amide compositions and insulated conductors prepared therefrom. F. A. Sattler and J. R. Womer. 2,523,999, Sept. 26.
Polyester lubricants. E. M. Beavers. 2,499,983, Mar. 7.
Polyester, Making a. D. W. Young and J. P. Rocca. 2,497,968, Feb. 21.
Polyesters of 2-ethylhexanediol-1,3. W. M. Lanham. 2,512,722, June 27.
Polyesters, Polymerizable. H. A. Hoppens. 2,532,498, Dec. 5.
Polyethylene compositions containing water-insoluble aliphatic alcohols or ethylene-oxide condensation products, Antistatic. G. P. Lee and N. D. Macleod. 2,525,691, Oct. 10.
Polyethylene foams. J. B. Ott. 2,532,243, Nov. 28.
Polyethyleneglycol ethers of bis(dialkylhydroxyphenyl)-methane. L. H. Bock and J. L. Rainey. 2,504,064. Apr. 11.
Polyethylene structures. T. F. Banigan. 2,519,013, Aug. 15.
Polyethylene tape extrusion. L. F. Samler. 2,499,421, Mar. 7.
Polyethylene terephthalate, Production of. E. F. Casassa. 2,518,283, Aug. 8.
Polyethylene terephthalate, Production of. E. F. Izard. 2,534,028, Dec. 12.
Polyethylene wax compositions, Preparing. F. H. MacLaren and J. A. Anderson. 2,504,270, Apr. 18.
Polyethylene waxes, Production of. M. Erchak, Jr. 2,504,400, Apr. 18.
Polyfluoro aliphatic diamines. E. T. McBee and P. A. Wiseman. 2,515,246, July 18.
Poly 4-amino-triazole compositions. J. W. Fisher, E. W. Wheatley, and H. Bates. 2,512,629, June 27.
Polyfunctional compounds, Preparation of. W. F. Gresham and C. E. Schweitzer. 2,534,018, Dec. 12.
Polyfunctional esters. D. E. Floyd. 2,516,306, July 25.
Polygalacturonide alkylamides. J. F. Carson. 2,520,123, Aug. 29.
Polyglycerols. H. Wittcoff and J. R. Roach. 2,520,670, Aug. 29.
Polyglycol products. E. W. Gluesenkamp. 2,498,617, Feb. 21.
Polyglycol sulfate salts of diaminodiphenyl sulfones and preparation thereof. E. W. Gluesenkamp. 2,498,618, Feb. 21.
Polyglycolsulfonic acid salts of diaminodiphenyl sulfone and preparation thereof. E. W. Gluesenkamp and M. Kosmin. 2,498,619, Feb. 21.
Polyhalogenated polycyclic hydrocarbons and insecticides thereof. J. Hyman. 2,519,190, Aug. 15.
Polyhydric alcohol esters of acyloxycarboxylic acids. E. M. Filachione, M. L. Fein, and C. H. Fisher. 2,525,786, Oct. 17.
Polyhydric alcohol esters of fatty acids, Producing. A. C. Bell and W. G. Alsop. 2,496,328, Feb. 7.
Polyhydric alcohols, Preparing. J. R. Roach and H. Wittcoff. 2,532,036, Nov. 28.
Polyhydroxyalkyl ethers of carbohydrate gums. O. A. Moe. 2,496,670, Feb. 7.
Polyhydroxybenzene-formaldehyde adhesive and preparing and employing same. F. J. Nagel. 2,495,175, Jan. 17.
Polyhydroxy compounds. H. Wittcoff and J. R. Roach. 2,520,671, Aug. 29.
Polyhydroxy polysulfide polymer. E. M. Fettes. 2,527,375. Oct. 24.
Polymer compositions. G. E. Holbrook. 2,510,112, June 6.
Polymer compositions, Filled. W. J. Remington. 2,516,591, July 25.
Polymer containing extralinear hydantoin rings from monoolefin/carbon monoxide polymer. J. R. Johnson 2,527,821, Oct. 31.
Polymer curing method, Accelerated. F. P. Baldwin. 2,525,061, Oct. 10.
Polymer gasoline, Manufacture of. C. W. Watson. 2,517,066, Aug. 1.
Polymer of alkyl pentadiene, Solid oxidized. D. W. Young and J. D. Calfee. 2,513,389, July 4.
Polymer of 2-vinyldibenzofuran, Hydrogenated. E. A. Kern. 2,493,584, Jan. 3.
Polymeric acenaphthylene and preparing the same. H. F. Miller and R. G. Flowers. 2,510,647, June 6.
Polymeric addition products of reactive methylenic compounds and sulfone-activated ethylenic compounds. D. L. Schoene. 2,493,364, Jan. 3.
Polymeric amino compounds and preparation thereof. D. F. Herman. 2,510,108, June 6.
Polymeric boronamides. R. W. Upson. 2,517,944, Aug. 8.
Polymeric compositions. G. F. D'Alelio. 2,531,410, Nov. 28.
Polymeric compositions. J. W. Fisher, H. Bates, and E. W. Wheatley. 2,512,630, June 27.
Polymeric compositions and preparing the same. A. Cresswell. 2,533,224, Dec. 12.
Polymeric compositions from divinyl sulfone. D. L. Schonene. 2,505,366, Apr. 25.

Polymeric compounds from hydrocarbon silane diols and polyisocyanates or polyisothiocyanates. R. W. Upson. 2,511,310, June 13.
Polymeric compounds, Production of. H. D. Noether. 2,534,366, Dec. 19.
Polymeric condensation products, Producing. J. Ross and A. I. Gebhart. 2,527,081, Oct. 24.
Polymeric materials. C. W. Tullock. 2,516,162, July 25.
Polymeric materials. C. W. Tullock. 2,517,610, Aug. 8.
Polymeric materials and making same, Cross-linked. P. W. Morgan. 2,520,609, Aug. 29.
Polymeric materials derived from di-2-alkenyl phthalates. P. O. Tawney. 2,524,685, Oct. 3.
Polymeric materials from formaldehyde and a hydrogenated butadiene-1,3-acrylonitrile copolymer. M. E. Cupery. 2,526,639, Oct. 24.
Polymeric organosilanol-boronic acid reaction products and making same. R. W. Upson. 2,517,945, Aug. 8.
Polymeric oxide lubricant containing organic disulfide. W. E. Vaughan and D. Harman. 2,520,748, Aug. 29.
Polymeric polyamine and wax compositions and articles treated therewith. J. H. Werntz. 2,495,283, Jan. 24.
Polymeric polyamines. H. H. Hoehn. 2,495,255, Jan. 24.
Polymeric polynydric alcohols. S. O. Greenlee. 2,503,726, Apr. 11.
Polymeric polythiols. S. L. Scott. 2,495,293, Jan. 24.
Polymeric resin sheets by continuously polymerizing monomeric material, Production of. E. G. Williams. 2,500,728, Mar. 14.
Polymeric substances of improved heat and light stability and stabilizers therefor, Halogen-containing. G. P. Mack. 2,510,035, May 30.
Polymeric sulfurous acid esters. W. J. Myles and J. H. Prichard. 2,497,135, Feb. 14.
Polymeric 2,2,4-trimethyl-tetrahydroquinoline. J. B. Arnold and L. J. Dankert. 2,500,597, Mar. 14.
Polymeric 2,2,4-trimethyl-tetrahydroquinoline as stabilizer for diene polymers. J. B. Arnold and L. J. Dankert. 2,500,229, Mar. 14.
Polymeric vinylidene chloride composition, Thermostable. C. B. Havens. 2,530,353, Nov. 14.
Polymerizable dioxolane compound, products prepared therefrom and preparation. E. L. Kropa and W. M. Thomas. 2,522,680, Sept. 19.
Polymerizable unsaturated esters. J. L. Jones. 2,531,275, Nov. 21.
Polymerization at the freezing point of the polymerizate material, Low-temperature. B. R. Tegge. 2,529,318, Nov. 7.
Polymerization by means of stannic chloride. D. F. Gould. 2,515,646, July 18.
Polymerization in the presence of cobalt salts. B. M. Marks. 2,516,064, July 18.
Polymerization of allyl chloride and using the product as a valve lubricant. P. H. Carnell. 2,533,425, Dec. 12.
Polymerization of alpha alkyl styrenes. R. G. Heiligmann. 2,507,338, May 9.
Polymerization of alpha-haloacrylic compounds. C. E. Barnes and W. O. Ney, Jr. 2,499.811, Mar. 7.
Polymerization of alpha olefins. H. G. Doherty. 2,500,244, Mar. 14.
Polymerization of aromatic polyfulvenes. R. B. Thompson and H. S. Bloch. 2,512,698, June 27.
Polymerization of butadiene. G. P. Rowland, Jr. 2,495,137, Jan. 17.
Polymerization of butadiene with sodium, Vapor phase. K. C. Eberly. 2,514,203, July 4.
Polymerization of compounds containing a terminal methylene group. B. T. D. Sully. 2,498,226, Feb. 21.
Polymerization of cycle oil from high-temperature steam cracking process. M. C. K. Jones. 2,500,755, Mar. 14.
Polymerization of ethylene. M. J. Roedel. 2,497,323, Feb. 14.
Polymerization of hydrogen cyanide to its tetramer. D. W. Woodward. 2,499,441, Mar. 7.
Polymerization of mixed olefins with Al_2ClBr_5 catalyst, Low temperature. N. M. Elmore and D. W. Young. 2,519,034, Aug. 15.
Polymerization of monomeric mixtures comprising a chloroethylene and another copolymerizable unsaturated compound in aqueous medium in the presence of an ionizable silver compound. G. W. Smith. 2,510,426, June 6.
Polymerization of olefins. F. J. Moore and M. M. Stewart. 2,507,864, May 16.
Polymerization of olefins in fluorinated diluent. J. D. Salfee and R. M. Thomas. 2,534.698, Dec. 19.
Polymerization of 1,3-dienes in the presence of beta-unsaturated aliphatic iodides. G. W. Scott. 2,518,573, Aug. 15.
Polymerization of propylene in the presence of isobutane. E. C. Hughes and H. M. Stine. 2,494.510, Jan. 10.
Polymerization of rosin. B. L. Hampton. 2,503,263–4, Apr. 11.
Polymerization of rosin using activated earths. B. L. Hampton. 2,515,218, July 18.
Polymerization of styrene, Continuous bulk. I. Allen, Jr., W. R. Marshall, and G. E. Wightman. 2,496,653, Feb. 7.
Polymerization of styrene employing phthalimide as catalyst. F. H. Snyder. 2,533,525, Dec. 12.
Polymerization of styrene, Emulsion. J. W. Haefele. 2,493,965, Jan. 10.
Polymerization of substituted ethylenes containing organic coloring matter in presence of azo compounds. R. E. Burk. 2,500,023, Mar. 7.
Polmerization of tetrafluoroethylene with dibasic acid peroxide catalysts. M. M. Renfrew. 2,534,058, Dec. 12.
Polymerization of 2-substituted thiazoles. D. L. Schoene. 2,515,318, July 18.
Polymerization of unsaturated compounds, Continuous process for emulsion. E. C. H. Kolvoort and G. Akkerman. 2,496,222, Jan. 31.
Polymerization of unsaturated esters of acrylic and methacrylic acids. C. T. Walling and R. H. Snyder. 2,500,265, Mar. 14.
Polymerization of unsaturated ethers. W. F. Gresham. 2.526,743, Oct 24.
Polymerization of unsaturated materials with an alkali metal catalyst. W. A. Schulze and J. C. Hillyer. 2,527,768, Oct. 31.
Polymerization of vinyl biphenyl. C. E. Barnes. 2,527,346, Oct. 24.
Polymerization of vinyl chloride, Granular. M. Naps. 2,494,517, Jan. 10.
Polymerization of vinyl compounds. J. R. Powers. 2,520,959, Sept. 5.
Polymerization of vinyl compounds, The. M. L. Sans. 2,508,801, May 23.
Polymerization of vinyl ethers. C. E. Schildknecht. 2,513,820, July 4.
Polymerization process. R. A. Jacobson. 2,519,135, Aug. 15.
Polymerization process for unsaturates, Low-temperature. W. J. Sparks and J. D. Garber. 2,529,520, Nov. 14.
Polymerization process, Vinyl fluoride. F. L. Johnston and D. C. Pease. 2,510,783, June 6.
Polymerization products of conjugated dienes, vinyl compounds, and vinyl esters and producing the same. K. H. Weber and P. O. Powers. 2,518,509, Aug. 15.
Polymerization products of styrene. W. S. Emerson. 2,498,616, Feb. 21.
Polymerization products, Preparation of granular. M. Baer. 2,511,811, June 13.
Polymerization promoters. M. M. Lee. 2,520,601, Aug. 29.
Polymerizing branch-chain hexadienes. E. T. Bishop and R. D. Sullivan. 2,514,928, July 11.
Polymerizing butadiene-1,3. M. W. Swaney and A. H. Gleason. 2,513,244, June 27.
Polymerizing butadiene or the like in the presence of tetraaryl succino dinitrile and products thereof. D. Josefowitz. 2,497,833, Feb. 14.
Polymerizing conjugated dienes in the presence of selected alkyl esters of mercaptyl undecanoic acids as polymerization regulators. K. H. Weber. 2,497,107, Feb. 14.
Polymerizing fiber reinforced resinous materials. I. E. Muskat. 2,517,698, Aug. 8.
Polymerizing hydrocarbons. C. F. Van Berg. 2,523,168, Sept. 19.
Polymerizing olefins. S. S. Shaffer and B. F. Armendt. 2,533,058, Dec. 5.
Polymerizing styrene. K. E. Stober and J. L. Amos. 2,530,409, Nov. 21.
Polymerizing styrene in contact with benzoyl peroxide and di(tertiary butyl) peroxide. S. E. Glick. 2,534,120, Dec. 12.
Polymerizing styrene in iron vessels. J. L. Amos and K. E. Stober. 2,494,924, Jan. 17.
Polymerizing styrene in the presence of a polyvinyl alcohol-alkyl aldehyde reaction product. L. D. Cook, Jr. 2,501,562, Mar. 21.
Polymerizing vinyl acetate in granular form. G. Benson and R. L. Perks. 2,535,189, Dec. 26.
Polymerizing vinyl sulfonic acids. G. D. Jones and C. E. Barnes. 2,515,714, July 18.
Polymerizing water-soluble polyacrylamides and poly-alpha-substituted acrylamides. G. D. Jones. 2,533,166, Dec. 5.
Polymers and copolymers of unsaturated amides. J. B. Dickey. 2,496,275, Feb. 7.
Polymers and copolymers of unsaturated triazines. E. L. Kropa. 2,510,503, June 6.
Polymers and preparing the same, Halogenated. S. D. Kaganoff. 2,513,330, July 4.
Polymers and their preparation, Granular. D. E. Strain and H. Peterson. 2,534,079, Dec. 12.
Polymers from the cyclic dimers of diolefines. R. F. Leary and J. D. Garber. 2,513,243, June 27.
Polymers of acrylonitrile with isobutenyl acetate. J. R. Caldwell. 2,521,898, Sept. 12.
Polymers of alkenyl aromatic compounds, Making lower. G. C. Wiggins. 2,521,494, Sept. 5.
Polymers of carboxyamido and sulfonamido-styrene. J. B. Dickey and T. E. Stanin. 2,520,917, Sept. 5.
Polymers of ethylene, Extruding and insolubilizing. R. E. Kent. 2,528,523, Nov. 7.
Polymers of 3-vinylpyrene. R. G. Flowers. 2,496,868, Feb. 7.
Polymers of trimethylene glycol. R. C. Morris and A. V. Snider. 2,520,733, Aug. 29.
Polymers of 2-vinyldibenzothiophene. R. G. and L. W. Flowers. 2,499,187, Feb. 28.
Polymers, Plasticized. J. D. Compton, J. W. Justice, and C. F. Irwin. 2,510,078, June 6.

Polymers plasticized with dibutyl dihydracrylate, Rubberlike. R. T. Dean. 2,498,532, Feb. 21.
Polymethacrylic acid and of polymeric products containing polymethacrylic acid, Preparation of. L. M. Richards. 2,504,049, Apr. 11.
Polymethine dyes and preparation. V. P. Pitiman. 2,521,944, Sept. 12.
Polymethine dyes containing a triazole nucleus. L. G. S. Brooker and R. H. Sprague. 2,503,709, Apr. 11.
Polymethyl methacrylate molding powders. E. F. Meitzner. 2,517,127, Aug. 1.
Poly-n-vinyl lactam photographic silver halide emulsions. E. K. Bolton. 2,495,918, Jan. 31.
Polyorganosiloxane compositions, Stable curable. J. B. De Coste. 2,516,047, July 18.
Polyoxyalkylene compounds. S. A. Ballard, R. C. Morris, and J. L. Van Winkle. 2,492,955, Jan. 3.
Polyoxyethylene esters for improving frozen confections. A. B. Steiner and A. Miller. 2,493,324, Jan. 3.
Polyoxymethylene ethers, Production of. T. E. Londergan. 2,512,950, June 27.
Polyperoxide catalysts in ethylene polymerization. M. J. Roedel. 2,511,480, June 13.
Polyphase cyclotron. R. S. Bailey. 2,531,384, Nov. 28.
Polyphase sequence indicator. L. L. Simkins. 2,503,598, Apr. 11.
Polyphosphates, Manufacture of. A. D. Garrison. 2,493,809, Jan. 10.
Polyphosphates of divalent aryl hydrocarbons. G. R. Barrett. 2,520,090, Aug. 22.
Polyphosphoric acid esters, Producing. G. M. Kosolapoff. 2,503,204, Apr. 4.
Polysilahydrocarbons and their production, Monofunctional. J. T. Goodwin, Jr. 2,507,512, May 16.
Polysiloxanes. S. D. Brewer. 2,519,881, Aug. 22.
Polystyrene foams. J. B. Ott. 2,532,242, Nov. 28.
Polystyrene plastic foam. F. Rosenthal. 2,533,629, Dec. 12.
Polystyrene resin and polymerization process. J. D. Surmatis. 2,499,796, Mar. 7.
Polysulfides, Production of dialkyl. W. A. Schulze and W. W. Crouch. 2,529,355, Nov. 7.
Poly-sulfone amide polymers, Production of. J. W. Fisher, and E. W. Wheatley. 2,534,347, Dec. 19.
Polytetrafluoroethylene waxes having a sharp melting point. K. L. Berry. 2,496,978, Feb. 7.
Polythioesters and preparation thereof. P. J. Flory. 2,510,567, June 6.
Polytriazole compositions. H. Bates, J. W. Fisher, and E. W. Wheatley. 2,512,599, June 27.
Polyvinyl acetal compositions. R. E. Cairns. 2,528,338, Oct. 31.
Polyvinyl acetal compositions. F. J. Curtis. 2,506,014, May 2.
Polyvinyl acetal compositions, Stabilized. F. T. Buckley. 2,528,337, Oct. 31.
Polyvinyl acetal foams. J. B. Ott. 2,532,241, Nov. 28.
Polyvinyl acetal resin. A. F. Fitzhugh. 2,527,495, Oct. 24.
Polyvinyl acetal-resinous pine-wood extract composition. R. H. Hunt, Jr. 2,527,497, Oct. 24.
Polyvinyl acetals, Preparation of. E. L. Martin. 2,513,189, June 27.
Polyvinyl acetate emulsion. W. K. Wilson. 2,508,343, May 16.
Polyvinyl acetate emulsions containing glyoxal. W. D. Robinson. 2,510,257, June 6.
Polyvinyl alcohol by alkaline alcoholysis, The production of. L. M. Germain. 2,502,715, Apr. 4.
Polyvinyl alcohol compositions containing corrosion inhibitor. C. A. Porter. 2,531,700, Nov. 28.
Polyvinyl alcohol, High viscosity. E. Lavin. 2,499,924, Mar. 7.
Polyvinyl alkyl ethers, Stabilized. C. E. Schildknecht. 2,521,950, Sept. 12.
Polyvinyl butyral composition. R. R. Lawrence. 2,517,218, Aug. 1.
Polyvinyl chloride compositions. J. K. Craver. 2,502,370, Mar. 28.
Polyvinyl chloride compositions. J. R. Darby. 2,502,371, Mar. 28.
Polyvinyl chloride compositions containing sulfuric acid treated high-boiling petroleum extract. A. A. Schaerer. 2,498,453, Feb. 21.
Polyvinyl chloride plasticized with a chlorinated hydrocarbon fraction. A. Gislon. 2,517,656, Aug. 8.
Polyvinyl chloride resin plasticized with 1,5-pentanediol-bis-cyclohexyl acetate. S. J. Hetzel. 2,504,929, Apr. 18.
Polyvinyl chloride resin plasticized with 1,5-pentanediol difuroate. S. J. Hetzel. 2,504,930, Apr. 18.
Polyvinyl compositions of improved resistance to light and making the same. A. F. G. Mouchiroud. 2,535,649, Dec. 26.
Polyvinyl compositions, Plasticized. H. R. Gamrath. 2,504,120, Apr. 18.
Polyvinyl formal resin, Plasticized. W. R. Richard. 2,524,356, Oct. 3.
Polyvinylisocyanate and derivatives thereof. G. D. Jones. 2,514,328, July 4.
Polyvinyl partial acetal composition and making the same. F. Groff. 2,533,314, Dec. 12.
Polyvinyl resin dispersions. R. B. Killingsworth and R. S. Sheie. 2,497,045, Feb. 7.
Polyvinyl resin emulsions. E. C. Cottet and R. L. F. Chazal. 2,498,792, Feb. 28.
Polyvinyl sulfonates and preparing the same. D. D. Reynolds and W. O. Kenyon. 2,531,469, Nov. 28.
Polyvinyl sulfonates and their preparation. D. D. Reynolds and W. O. Kenyon. 2,531,468, Nov. 28.
Pontoon. C. A. Moeller. 2,494,445, Jan. 10.
Pontoon assembly. D. C. Stopkevyc. 2,518,091, Aug. 8.
Pontoon bridge support. J. W. Beretta. 2,510,948, June 13.
Pontoon, Collapsible. A. Gouge. 2,495,412, Jan. 24.
Pontoon construction. W. J. Sanderson. 2,494,316, Jan. 10.
Pontoon flotation apparatus. M. Mulick. 2,514,409, July 11.
Pool, Collapsible swimming or bathing. O. J. Alvarez. 2,505,845, May 2.
Popcorn machine. R. R. Perkins. 2,495,865, Jan. 31.
Popper, Corn. R. P. Humphrey. 2,505,966–7, May 2.
Porosity material for parachutes, Variable. M. H. Ingels. 2,527,553, Oct. 31.
Porosity tester. A. Burris. 2,509,905, May 30.
Porous body. G. J. Wilson. 2,526,311, Oct. 17.
Porous composition of matter and preparing the same. R. C. Bour. 2,502,409, Apr. 4.
Porous compositions of matter and their preparation. E. L. Kropa, L. E. Craig, and A. S. Nyquist. 2,498,621, Feb. 21.
Porous materials. Producing. R. S. Locke and A. J. Daly. 2,504,208, Apr. 18.
Porous vitreous articles, Production of. M. A. Powers. 2,518,997, Aug. 15.
Portable air heater. W. J. Pastoret. 2,502,389, Mar. 28.
Portable book light. L. P. McDowell. 2,524,461, Oct. 3.
Portable bucking tool. M. Brown. 2,519,308, Aug. 15.
Portable carrying and sleeping container. E. V. Conrad. 2,535,531, Dec. 26.
Portable clamp lock. T. B. Stue. 2,508,302, May 16.
Portable clothes drier. J. E. Bradley, Jr. 2,496,517, Feb. 7.
Portable collapsible water tank. F. E. Smith. 2,507,939, May 16.
Portable combination cash and ticket box. A. U. and C. E. Nelson. 2,508,283, May 16.
Portable desk lamp. L. E. Corcoran. 2,521,448, Sept. 5.
Portable drill press. A. P. Kjêrulff. 2,508,402, May 23.
Portable electrical highway signal. E. V. Rivers. 2,520,565, Aug. 29.
Portable folding seat. W. B. Hines. 2,528,433, Oct. 31.
Portable garden hose reel. N. Wasserman. 2,512,756, June 27.
Portable gas dispenser. C. J. Olowinski. 2,510,712, June 6.
Portable hat holder. E. W. Pfeil. 2,494,487, Jan. 10.
Portable hydrocarbon furnace. T. Keller. 2,500,610, Mar. 14.
Portable ironing board. A. P. Lantz. 2,514,702, July 11.
Portable ladder support. E. E. Brubaker. 2,499,091, Feb. 28.
Portable lamp. E. A. Zadig. 2,525,163, Oct. 10.
Portable liquefied gas container. R. W. Thomas. 2,514,147, July 4.
Portable livestock feeder. O. R. Winkler. 2,500,889, Mar. 14.
Portable machine tool. A. G. Scism. 2,504,595, Apr. 18.
Portable mixer. R. N. Brookins. 2,499,052, Feb. 28.
Portable pedestal table. A. C. Ely. 2,526,011, Oct. 17.
Portable power-driven mixer. B. Essick. 2,494,119, Jan. 10.
Portable power tool. K. J. Sayre. 2,519,936, Aug. 22.
Portable projection picture screen support. J. T. Heck, L. J. Du Mais, and C. O. Talbot. 2,534,552, Dec. 19.
Portable refrigerated container. F. Lobi. 2,496,296, Feb. 7.
Portable resuscitating table. M. M. Fleming. 2,499,242, Feb. 28.
Portable screen stand. J. T. Heck, L. J. Du Mais, and C. O. Talbot. 2,530,877, Nov. 21.
Portable self-feed drill. C. L. Best. 2,531,604, Nov. 28.
Portable self-locking clamp. R. K. Coffman. 2,510,077, June 6.
Portable self-locking clamp. H. C. Scheffer and N. E. Lambert. 2,517,034, Aug. 1.
Portable signal light. W. A. Feek. 2,533,235, Dec. 12.
Portable space heater. J. M. Aufiero. 2,506,408, May 2.
Portable structure. F. Neuhaus. 2,533,683, Dec. 12.
Portable toilet seat. A. E. Roberts. 2,512,583, June 20.
Portable tray stand. M. B. Austin, Jr. 2,520,450, Aug. 29.
Portable truck heater. E. M. Anderson. Re. 23,223, May 2.
Portable vibrator-type tool. G. N. Levesque. 2,533,946, Dec. 12.
Portable wick type oil heater. W. G. Foster and R. C. Oppenlander. 2,518,132, Aug. 8.
Portable wire-bound box. R. H. Collier. 2,507,693, May 16.
Portion of igneous electrolytic cells, Construction of the lower. P. J. M. C. Olivier and R. A. P. G. Perieres. 2,528,905, Nov. 7.
Poser, Infant. E. T. Kibbe. 2,509,040, May 23.
Position control apparatus, Automatic. E. W. Paessler. 2,526,152, Oct. 17.

Position finder. K. R. Belch. 2,531,248, Nov. 21.
Position finder. I. Wolff. 2,493,097, Jan. 3.
Position finder, Mechanical. G. Swift. 2,493,786, Jan. 10.
Position indicating system. F. S. Entz, G. A. Pullis, and G. R. Stibitz. 2,502,837, Apr. 4.
Position indication and control system for moving objects or vehicles. L. M. Rodgers. 2,535,162, Dec. 26.
Position indicator system. H. G. Busignies. 2,535,038, Dec. 26.
Position locating method. T. W. Bonner. 2,508,562, May 23.
Positioner, Flexible. E. B. Tesmer. 2,510,198, June 6.
Positioner for pear feeding mechanism, Pear. B. C. Coons. 2,502,779, Apr. 4.
Positioning and supporting device, Car coupler. V. E. Sisson. 2,504,892, Apr. 18.
Positioning and supporting device for car couplers. V. E. Sisson. 2,504,893, Apr. 18.
Positioning apparatus. E. P. Bullard, III. 2,500,796–8, Mar. 14.
Positioning apparatus. E. P. Bullard, III, L. J. Baudis, and C. M. Grinage. 2,500,150, Mar. 14.
Positioning control mechanism, Hydraulic power device. R. W. Hautzenroeder. 2,531,428, Nov. 28.
Positioning device. L. R. Harper. 2,521,365, Sept. 5.
Positioning device. T. P. Hearne. 2,493,290, Jan. 3.
Positioning means for aircraft ejection seats, Body. J. Martin. 2,528,532, Nov. 7.
Positioning system, Remotely controlled accurate. R. P. Bennett. 2,515,944, July 18.
Positioning the specimen stage of optical apparatus. J. Hillier. 2,496,051, Jan. 31.
Positive displacement rotary pump. A. C. Durdin, III. 2,531,726, Nov. 28.
Positive displacement type fluid meter. W. F. Berck. 2,531,603, Nov. 28.
Positive "off" thermostatic switch. E. Bletz. 2,518,595, Aug. 15.
Post, binding. C. Orlando. 2,518,489, Aug. 15.
Post driver and ejector. F. F. Schiff. 2,523,316, Oct. 10.
Post, Fence. W. R. Tetzlaff. 2,515,615, July 18.
Post, Garment buttoning. E. Suhajda. 2,498,866, Feb. 28.
Posthole digger. C. B. Leavengood. 2,533,123, Dec. 5.
Post manufacture, Steering. E. F. Pawsat. 2,505,648, Apr. 25.
Post puller and jack, Combination. P. and M. L. Baldwin. 2,532,533, Dec. 5.
Poster board. H. B. Boyer. 2,501,710, Mar. 28.
Poster panel. A. L. Bauers and M. Rosner. 2,512,515, June 20.
Poster panel. A. L. Bauers and M. Rosner. 2,522,158, Sept. 12.
Poster panel. C. W. Covington and J. E. Mann. 2,512,519, June 20.
Poster panel with raising and lowering means. A. L. Bauers. 2,515,978, July 18.
Pot cleaner. V. J. Gentile. 2,498,803, Feb. 28.
Pot, Electrically heated glue. C. H. Henderson. 2,498,955, Feb. 28.
Pot, Heating. R. F. Wandelt. 2,501,366, Mar. 21.
Pot holder. H. A. Hamm. 2,501,815, Mar. 28.
Pot holder. S. Merkin. 2,499,601, Mar. 7.
Pothook. D. E. Glandville. 2,503,108, Apr. 4.
Pot, Tin. H. C. Morrow. 2,509,515, May 30.
Potassium fluozirconates, Production of. H. J. Blythe and A. L. Hock. 2,500,792. Mar. 14.
Potato cutter. H. Bloomfield. 2,497,289, Feb. 14.
Potato cutter. G. H. Manuel. 2,521,590, Sept. 5.
Potato products, Producing fresh whole peeled. A. F. Kalmar, R. W. Kilburn, and H. M. Pancoast, Jr. 2,506,793, May 9.
Potentiometer. H. Guller. 2,494,998, Jan. 17.
Potentiometer. C. F. Schaefer. 2,498,967, Feb. 28.
Potentiometer, Nonarcing. C. F. Sopcak. 2,493,040, Jan. 3.
Potentiometer system, Multiple self-balancing. F. R. Ellenberger. 2,528,218, Oct. 31.
Pouch, Bag. G. A. Moore. 2,506,311, May 2.
Pouch making machine. H. W. Ligon. 2,525,139, Oct. 10.
Pouch packaging device. G. H. Whetzell. 2,528,463, Oct. 31.
Pouch, Tobacco. H. E. A. Babalan. 2,501,463, Mar. 21.
Pouch, Tobacco. A. Wax. 2,510,918, June 6.
Poultry dressing method. C. H. Koonz. 2,502,794, Apr. 4.
Poultry eviscerating tool. L. Finney. 2,533,445, Dec. 12.
Poultry feeder. J. B. Olson. 2,503,886, Apr. 11.
Poultry feeder. G. C. Pittenger. 2,522,634, Sept. 19.
Poultry feeder. G. C. Pittenger and R. L. Brandenburger. 2,524,135, Oct. 3.
Poultry feeder. M. E. Smith. 2,518,950, Aug. 15.
Poultry feeder. W. Smith. 2,518,085, Aug. 8.
Poultry feeder. P. J. Throckmorton. 2,496,828, Feb. 7.
Pour depressants. L. A. Mikeska and S. B. Lippincott. 2,525,076, Oct. 10.
Pouring device. S. Clare. 2,511,429, June 13.
Pouring machine for traveling mold conveyers, Continuous. B. E. Gavin, Sr. 2,522,031, Sept. 12.
Pouring regulating spout for bottles. E. Sokolik. 2,522,486, Sept. 12.

Powder and preparing same, Surgical gelatin dusting. J. T. Correll. 2,507,244, May 9.
Powder applicator for printing machines. J. C. and B. T. Sutton. 2,535,965, Dec. 26.
Powder box. J. L. Younghusband. 2,494,151, Jan. 10.
Powder composition and making the same, Glassy phosphate. C. J. Munter. 2,494,828, Jan. 17.
Powder container. A. L. Schwartzberg. 2,511,379, June 13.
Powder containing organosiloxane resin and ethanolamine, Molding. W. W. Pedersen. 2,528,606, Nov. 7.
Powder dispenser. E. J. W. Egger and D. E. Lytle. 2,530,698, Nov. 21.
Powder dispenser. E. Meincke. 2,524,919, Oct. 10.
Powder dispenser. F. E. Stirn. 2,534,636, Dec. 19.
Powder dispensing. G. M. Skinner. 2,533,331, Dec. 12.
Powder, Porous filter. A. Goetz. 2,508,602, May 23.
Powder puffs, Manufacture of. S. Epstein and R. Bihler. 2,509,266, May 30.
Powdered material, Handling. J. K. Gunther and P. Bradford. 2,494,296, Jan. 10.
Powdered soap container. K. C. Iliff. 2,528,830, Nov. 7.
Power actuating means for dump rakes and the like. E. T. Johnson. 2,526,028, Oct. 17.
Power booster for aircraft surface control, Hydraulic. J. M. Shoemaker. 2,515,475, July 18.
Power booster for raising large type umbrellas. P. de Samuelson. 2,503,032, Apr. 4.
Power chamber. G. R. Ellioft. 2,495,369, Jan. 24.
Power chuck wrench. F. H. Bogart. 2,515,329, July 18.
Power control. R. T. Smith. 2,519,510, Aug. 22.
Power control. F. J. Wiegand and D. W. Meador. 2,530,139, Nov. 14.
Power control, Automatic. E. F. Pierce. 2,502,987, Apr. 4.
Power control device. G. F. Schroeder. 2,507,936, May 16.
Power control device, Rotary. H. Orner. 2,519,394, Aug. 22.
Power control for transmissions. B. I. Seeger. 2,523,726, Sept. 26.
Power control valve. K. R. Herman. 2,513,486, July 4.
Power, Creating. R. Y. Bovee. 2,528,813, Nov. 7.
Power disconnect switch. F. W. Reilly. 2,528,548, Nov. 7.
Power-distribution system. F. V. Collins. 2,528,722, Nov. 7.
Power-driven airplane landing gear. W. D. Hanson. 2,507,440, May 9.
Power-driven cast cutter. A. B. Wilcox. 2,522,006, Sept. 12.
Power-driven machine for automatically delivering and driving a fastener, Manually applied. E. S. Moore. 2,534,140, Dec. 12.
Power-driven mixer. C. C. Fredericks. 2,517,997, Aug. 8.
Power-driven rotary hand guided cutting tool. A. C. Koett. 2,502,656, Apr. 4.
Power-driven type action. H. C. Yaeger. 2,525,278, Oct. 10.
Power factor indicator. O. O. McBride. 2,503,628, Apr. 11.
Power follow-up system or remote control system. J. P. Watson. 2,529,669, Nov. 14.
Power gear. B. Ray. 2,505,575, Apr. 25.
Power input control for well-drilling hoists. A. R. Maier. 2,502,969, Apr. 4.
Power lift clutch. P. Bjerre and H. M. Johnston. 2,517,172, Aug. 1.
Power lift, Delayed acting. D. K. McGehee. 2,535,441, Dec. 26.
Power lift device for implements. J. R. Orelind. 2,518,363, Aug. 8.
Power lift for grain drills. J. H. Starr. 2,520,345, Aug. 29.
Power line, Hand. E. Ginn and K. M. Cloud. 2,506,920, May 9.
Power lug strap retainer. W. F. Leineweber, Jr. 2,519,838, Aug. 22.
Power mechanism for typewriters, Jam-free. R. V. Reppert. 2,531,891, Nov. 28.
Power mechanism for typewriting machines. R. D. Dodge. 2,506,444, May 2.
Power mechanism, Vibratory. E. E. Deister. 2,514,538, July 11.
Power mower. J. H. Bennett. 2,530,041, Nov. 14.
Power mower grass raiser. M. W. Shippey. 2,531,081, Nov. 21.
Power mower, Rotating cutting reel. M. Schweizer. 2,507,423, May 9.
Power multiplying and transmission mechanism. G. G. Lemons. 2,526,758, Oct. 24.
Power-operated differential mechanism. E. O. Roggenstein. 2,518,377, Aug. 8.
Power-operated hand tool. E. H. Karleen. 2,531,849, Nov. 28.
Power operated hand tool. A. W. Smith. 2,526,976, Oct. 24.
Power-operated valve. C. K. Steins. 2,529,431, Nov. 7.
Power plant. J. E. Johansson. 2,529,773, Nov. 14.
Power plant. R. T. Sawyer and W. L. Fischer. 2,526,424, Oct. 17.

Power plant, Aircraft gas turbine. P. P. Newcomb. 2,501,078, Mar. 21.
Power plant charge control circuit. H. T. Langabeer. 2,519,670, Aug. 22.
Power plant combining two-shaft opposed-piston engine, air supply compressor, and exhaust-gas turbine, Internal-combustion. E. Waeber. 2,507,946, May 16.
Power plant for aircraft, Gas turbine. F. M. Owner and F. C. I. Marchant. 2,508,288, May 16.
Power plant having ducted propulsive compressor means, Gas turbine aircraft. N. C. Price. 2,501,633, Mar. 21.
Power plant having radial flow exhaust turbine means, Turbo-propeller type. N. C. Price. 2,526,409, Oct. 17.
Power plant, including a turbine-compressor group and a receiver, Motor-compressor. R. Pouit. 2,503,410, Apr. 11.
Power plant indicating system, Automotive vehicle. H. H. Gordon. 2,511,631, June 13.
Power plant installation, Airplane jet unit. F. E. Goddard, Jr. 2,512,794, June 27.
Power plant, Internal-combustion engine. B. W. Barlow. 2,497,970, Feb. 21.
Power plant, Internal-combustion engine. A. J. Penn. 2,500,860, Mar. 14.
Power plant, Locomotive. P. S. Dickey. 2,496,041, Jan. 31.
Power plant with boundary layer control for aircraft, Jet. N. C. Price. 2,514,513, July 11.
Power plant with controllable primary and secondary outlets, Turbojet. T. I. Lindhagen and G. K. W. Boestad. 2,510,506, June 6.
Power plant with parallel flow turbines, Compound gas-turbine. A. A. Griffith. 2,519,130, Aug. 15.
Power press. A. Borzym. 2,527,698, Oct. 31.
Power press. E. D. Perry. 2,516,017, July 18.
Power press eccentric gear cap. V. Georgeff. 2,511,978, June 20.
Power pump jack. J. A. Mitchell. 2,502,057, Mar. 28.
Power reclaimer. A. O. Roberts. 2,525,946, Oct. 17.
Power rectifier tube. D. B. Clark. 2,528,033, Oct. 31.
Power regulating means for typewriters. J. L. Petz. 2,528,450, Oct. 31.
Power saw chain. J. B. Cox. 2,508,784, May 23.
Power source. R. V. L. Hartley. 2,532,096, Nov. 28.
Power source, Electric. W. P. Mason. 2,522,389, Sept. 12.
Power supply. R. B. Dome. 2,508,995, May 23.
Power supply. G. H. Miller. 2,497,182, Feb. 14.
Power supply assembly. J. R. Gelzer. 2,499,912, Mar. 7.
Power supply, Dual voltage. J. Kuperus and H. T. J. Wiegerinck. 2,531,282, Nov. 21.
Power supply for welding apparatus. H. J. Graham. 2,520,926, Sept. 5.
Power supply means. A. J. Sorensen. 2,503,774, Apr. 11.
Power supply, Multivoltage regulated. J. R. Mentzer. 2,524,325, Oct. 3.
Power supply system. A. J. Housman. 2,505,185, Apr. 25.
Power supply system. A. Wright. 2,513,225, June 27.
Power-supply system, High-voltage. A. Hazeltine. 2,513,936, July 4.
Power supply unit. F. M. Davis. 2,509,216, May 30.
Power supply, Voltage-regulated. O. Hoag. 2,511,850, June 20.
Power system for aircraft, Auxiliary. B. O. Austin, O. C. Walley, and D. W. Exner. 2,534,895, Dec. 19.
Power system for railway cars, Head-end. R. E. Burkhardt and G. R. Purifoy. 2,534,898, Dec. 19.
Power system, Hydraulic. N. W. Taylor. 2,501,483, Mar. 21.
Power take-off. C. Aspegren. 2,502,914, Apr. 4.
Power take-off. A. F. O'Connor. 2,528,285, Oct. 31.
Power take-off. A. J. Schleper. 2,517,721, Aug. 8.
Power take-off device. A. G. Kuellmar. 2,495,011, Jan. 17.
Power take-off for combustion gases. R. H. Goddard. 2,523,009, Sept. 19.
Power take-off grain and forage unloader. W. H. Reinking. 2,495,907, Jan. 31.
Power take-off mechanism. B. W. Keese and C. A. Cook. 2,513,333, July 4.
Power take-off structure. R. W. Wagner. 2,494,111, Jan. 10.
Power transmission. V. Averin. 2,501,301, Mar. 21.
Power transmission. J. B. Black and W. F. Shurts. 2,511,039, June 13.
Power transmission. R. H. Dicke. 2,512,717, June 27.
Power transmission. D. B. Gardiner. 2,494,753, Jan. 17.
Power transmission. D. B. Gardiner. 2,498,543, Feb. 21.
Power transmission. F. T. Harrington and R. L. Tweedale. 2,518,777, Aug. 15.
Power transmission. M. A. Hayden. 2,505,710, Apr. 25.
Power transmission. P. F. Henry. 2,517,875, Aug. 8.
Power transmission. W. J. Hipp. 2,518,782, Aug. 15.
Power transmission. I. C. McKechnie and T. M. Ball. 2,509,981, May 30.
Power transmission. D. L. Mount. 2,525,822, Oct. 17.
Power transmission. H. E. Nixon. 2,525,934, Oct. 17.
Power transmission. J. Robinson and C. V. Losey. 2,533,047, Dec. 5.
Power transmission. E. F. Salsbury and F. W. Harris. 2,529,743, Nov. 14.
Power transmission. L. K. Spitzer. 2,502,898, Apr. 4.
Power transmission. R. L. Tweedale. 2,493,510, Jan. 3.
Power transmission. H. F. Vickers. 2,493,512, Jan. 3.
Power transmission. H. F. Vickers, K. R. Herman, and W. M. Pohl. 2,505,727, Apr. 25.
Power transmission. H. F. Vickers, K. R. Herman, and W. M. Pohl. 2,516,662, July 25.
Power transmission. A. Zwald. 2,494,222, Jan. 10.
Power transmission and casing for drive wheels, Axle mounted. P. S. Devirian, Jr. 2,530,941, Nov. 21.
Power transmission apparatus. H. F. Hobbs. 2,509,820, May 30.
Power transmission apparatus. H. F. Hobbs. 2,524,975, Oct. 10.
Power transmission apparatus. H. F. Hobbs. 2,527,727, Oct. 31.
Power transmission apparatus. H. F. Hobbs. 2,535,924, Dec. 26.
Power transmission apparatus, Hydraulic. E. A. Edwards. 2,528,645, Nov. 7.
Power transmission, Automatic. W. L. Clary. 2,523,944, Sept. 26.
Power transmission, Automatic. W. D. Tipton. 2,505,160, Apr. 25.
Power transmission, Band. C. O. Slemmons. 2,494,065, Jan. 10.
Power transmission belt cover. L. W. Mitchell. 2,519,590, Aug. 22.
Power transmission device. W. H. Hannes. 2,506,548, May 2.
Power transmission device. W. E. Looney. 2,533,126, Dec. 5.
Power transmission device. R. P. Loveland. 2,512,349, June 20.
Power transmission fluids. W. P. Smith and H. J. Wilks. 2,534,803, Dec. 19.
Power transmission fluids, Making. W. P. Smith. 2,517,044, Aug. 1.
Power transmission for refrigerated motor vehicles. F. T. Harrington. 2,530,241, Nov. 14.
Power transmission for sewing machines, Electric. M. T. Voigt. 2,514,461, July 11.
Power transmission including hydraulically operated power transmission stop, Opposed hydraulic ram. C. W. Mott. 2,533,833, Dec. 12.
Power transmission, Intermittently engaged clutch variable. G. W. Willard. 2,534,093, Dec. 12.
Power transmission mechanism. A. E. Gull. 2,512,272, June 20.
Power transmission mechanism. T. Hindmarch. 2,518,781, Aug. 15.
Power transmission mechanism. R. K. Österdahl. 2,519,848, Aug. 22.
Power transmission mechanism. R. P. Sweger. 2,512,816, June 27.
Power transmission or torque converter. G. F. Schlote. 2,508,971, May 23.
Power transmission, Rotary reduced speed. G. E. Conway. 2,500,485, Mar. 14.
Power transmission, Speed reducing. E. W. Henry. 2,520,282, Aug. 29.
Power-transmission system. H. Sinclair. 2,505,842, May 2.
Power transmission valve. R. L. Tweedale. 2,495,395, Jan. 24.
Power transmission, Variable speed. E. Pulese. 2,520,057, Aug. 22.
Power transmission, Variable speed. L. E. Shaw. 2,524,575, Oct. 3.
Power transmission, Variable speed. L. J. Wolf. 2,494,466, Jan. 10.
Power-transmitting attachment. R. R. Miller. 2,517,910, Aug. 8.
Power transmitting device. W. K. McIver. 2,503,916, Apr. 11.
Power-transmitting device. C. W. Mott. 2,507,733, May 16.
Power-transmitting device. G. L. Williams. 2,500,393, Mar. 14.
Power transmitting mechanism. E. R. Burtnett. 2,519,022, Aug. 15.
Power transmitting mechanism. L. Jacobi. 2,506,671, May 9.
Power transmitting mechanism. I. A. Kamlukin. 2,506,670, May 9.
Power-transmitting mechanism. R. S. Langdon. 2,528,314, Oct. 31.
Power transmitting mechanism. T. J. Pethes. 2,501,613, Mar. 21.
Power-transmitting system. W. P. Albert. 2,525,192, Oct. 10.
Power unit. A. A. Anglemyer. 2,501,253, Mar. 21.
Power unit. F. P. Gerhardt. 2,534,590, Dec. 19.
Power unit. J. L. Moody. 2,529,810, Nov. 14.
Power unit arrangement for delivery trucks. A. W. Herrington. 2,531,269, Nov. 21.
Power unit, Combined manual and follow-up pressure fluid. J. F. Morse. 2,528,901, Nov. 7.
Power unit, Double compound independent rotor turbojet. H. Constant. 2,504,181, Apr. 18.
Power unit, Electric motor-driven. R. G. Le Tourneau. 2,528,836, Nov. 7.
Power unit, Fluid. Z. D. Ruben. 2,498,451, Feb. 21.
Power unit for brake systems. R. R. Gunderson. 2,502,378, Mar. 28.

Power unit for duplex pumps, Dual. R. R. Waterman. 2,531,094, Nov. 21.
Power unit for machine tools. C. A. Bickel, S. A. Brandenburg and T. Foster. 2,495,312, Jan. 24.
Power unit for plows, Detachable. W. H. Silver and J. I. Cantral. 2,532,577, Dec. 5.
Power unit for shifting gears of marine engines. G. W. Crowell. 2,534,002, Dec. 12.
Power unit for vehicles. A. W. Herrington. 2,531,268, Nov. 21.
Power unit, Harvesting. A. E. W. Johnson, D. B. Baker, and C. F. Crumb. 2,513,942, July 4.
Power unit, Hydraulic. M. W. Huber. 2,498,810, Feb. 28.
Power unit, Mechanical. P. C. Hutton. 2,510,978, June 13.
Power unit sequence control. H. A. Strickland, Jr. 2,505,808, May 2.
Power unit, Valveless type rotary. E. Wildhaber. 2,503,894, Apr. 11.
Power wheel. E. J. Wiesert. 2,520,587, Aug. 29.
Powered three-wheeled vehicle. T. G. Hare. 2,493,817, Jan. 10.
Powered vehicle accommodating workers in prone position. R. L. and A. M. Chickering. 2,518,418, Aug. 8.
Practice assembly, Stair climbing. J. E. Morris. 2,500,425, Mar. 14.
Practice device, Drummer's. H. Adler. 2,495,495, Jan. 24.
Pram, Folding. O. Halliwell. 2,502,089, Mar. 28.
Preamplifier, Pulse-forming. Q. A. Kerns. 2,517,676, Aug. 8.
Precious metal trap. C. J. Apabiasa. 2,509,795, May 30.
Precipitating silver from solutions. E. Farber. 2,503,104, Apr. 4.
Precipitation of alkali metal salts of penicillin. N. A. Hansen, J. W. Milne, and W. C. Risser. 2,497,769, Feb. 14.
Precipitation of cellulose derivatives, Continuous. H. Fox. 2,518,133, Aug. 8.
Precipitation of emulsions of styrene and copolymers thereof. E. P. Irany and A. J. Geraci. 2,503,338, Apr. 11.
Precipitation of mannogalactans and glucomannans from aqueous sols. P. E. Ramstad and C. A. Anker. 2,508,726, May 23.
Precipitation of olefin-sulfur dioxide resins. E. P. Irany and H. D. Noether. 2,505,830, May 2.
Precipitation process and apparatus therefor. L. G. Stang, Jr. 2,533,149, Dec. 5.
Precipitator, Electrical. J. H. Hamilton. 2,503,617, Apr. 11.
Precipitator, Electrical. C. W. J. Hedberg. 2,501,513, Mar. 21.
Precipitator, Electrical. K. W. MacKenzie. 2,494,822, Jan. 17.
Precipitator, Electrical. K. W. MacKenzie. 2,504,858, Apr. 18.
Precipitator, Electrostatic. R. L. Lincoln. 2,504,430, Apr. 18.
Precipitator, Electrostatic. R. T. Palmer. 2,526,402, Oct. 17.
Precipitator, Electrostatic. E. L. Richardson. 2,500,572, Mar. 14.
Precipitator, Electrostatic. E. L. Richardson. 2,521,605, Sept. 5.
Precision articles from powdered material, Manufacture of. J. B. Brennan. 2,510,546, June 6.
Precision balance. F. S. Arguelles. 2,497,428, Feb. 14.
Precision control device. W. K. Ergen. 2,509,089, May 23.
Precision electrical resistance device and making it. B. B. Scott, G. F. Greene, and A. D. Coggeshall. 2,534,994, Dec. 19.
Precision forming of metal. T. G. Jungersen and T. G. Jungersen, Jr. 2,524,057, Oct. 3.
Precision oil heater. W. T. Foley. 2,495,924, Jan. 31.
Precision positioning mechanism. M. Romaine and E. G. Roehm. 2,535,957, Dec. 26.
Precision pulse failure alarm circuit. H. M. Watts, Jr. 2,526,595, Oct. 17.
Precision square. N. P. Sjobring. 2,520,571, Aug. 29.
Precooler for shipping compartments. B. Wilson. 2,523,749, Sept. 26.
Precooler with internal fins. H. J. Kellershon. 2,532,026, Nov. 28.
Precorrection for line distortion in telegraphy. H. M. Bayard and R. J. C. Roquet. 2,522,738, Sept. 19.
Precorrector for systems for the transmission of signals, Complete. H. M. Bayard and R. J. C. Roquet. 2,522,737, Sept. 19.
Predetermined position stopping device for textile treating apparatus. G. J. Sinclair. 2,504,883, Apr. 18.
Prefabricated railway refrigerator car. G. P. Torburn. 2,529,641, Nov. 14.
Prefabricating parts for concrete structures. C. Dobell. 2,516,453, July 25.
Preforming head, Adjustable. O. A. McNamee. 2,497,178, Feb. 14.
Preheat unit for tubing, Electric. R. I. Hahn and B. N. Snyder. 2,523,111, Sept. 19.
Preheater. N. A. Arvins and A. A. Arvintz. 2,530,798, Nov. 21.
Preheater for hair waving, Electric. F. V. Schleimer. 2,525,274, Oct. 10.
Preheater for permanent waving, Electric. O. Seiter. 2,509,747, May 30.
Preheater for steam generating plants, Air. D. Dalin and G. V. Hagby. 2,535,047, Dec. 26.
Preheater for steam generator units and the like, Tubular air. J. V. Pyle. 2,500,771, Mar. 14.
Preheater, Paint. A. A. Arvintz, N. A. Arvins, and R. A. Arvintz. 2,521,960, Sept. 12.
Preheating and feeding structure, Cap. H. E. Rue. 2,501,291, Mar. 21.
Preheating and spraying apparatus, Paint. A. A. and R. A. Arvintz, and N. A. Arvins. 2,530,799, Nov. 21.
Preheating apparatus for machine tools. A. C. Volgt. 2,504,284, Apr. 18.
Preheating system for internal-combustion engines. W. B. Corcoran. 2,517,464, Aug. 1.
Preheating system for internal-combustion engines. O. R. Schoenrock. 2,535,758, Dec. 26.
Preheating thermosetting material in steam and molding the same. S. K. Moxness. 2,512,364, June 20.
Preloading means, Timer mainspring variable. C. E. Godley. 2,497,079, Feb. 14.
Preoiling and pressurizing of engine lubrication systems. W. D. Cannon and W. L. Weeks. 2,526,197, Oct. 17.
Preoxidation of stainless steel. W. E. Kingston. 2,502,855, Apr. 4.
Preparation and packing of chopped meats. R. R. Fulton. 2,535,405, Dec. 26.
Preparation of esters of fumaric acid. E. J. Glazer. 2,522,363, Sept. 12.
Preparation of streptomycin. P. D. Coppock. 2,523,245, Sept. 19.
Preparation of substituted glutaric acid esters. W. F. Gresham. 2,522,366, Sept. 12.
Preparing a cracking or reforming feedstock. J. W. Teter. 2,532,128, Nov. 28.
Preparing carbon brushes for electrotechnical purpose. J. B. Deschamps. 2,522,750, Sept. 19.
Preparing disulfide derivatives of thiophosphoric and thiophosphorous acid esters. H. W. Rudel and J. M. Boyle. 2,523,146, Sept. 19.
Preparing 15-carboxy-dehydroequilenin compounds, and products of such process. W. S. Johnson, J. W. Petersen, and C. D. Gutsche. 2,528,001, Oct. 31.
Preparing intaglio printing surfaces. W. M. Devers. 2,530,232, Nov. 14.
Preparing molding bituminous material and product thereof. R. J. Wentland. 2,524,644, Oct. 3.
Preparing products for storage and packaged products produced thereby. R. H. Cotton and A. L. Schroeder. 2,520,878, Aug. 29.
Preparing protein from vegetable sources. F. E. Calvert. 2,534,226–7, Dec. 19.
Preparing the surfaces of grinding mill rolls. F. Tanner. 2,518,836, Aug. 15.
Preplanning device to indicate a camera field. N. R. Kelly. 2,495,975, Jan. 31.
Preregulating device for time recorders. J. A. Jonsson. 2,501,904, Mar. 28.
Preservation of fresh citrus fruits. C. E. Gericke. 2,503,663, Apr. 11.
Preservation of latex. C. E. Linscott. 2,534,359, Dec. 19.
Preservation of latex. C. E. Rhines and C. E. Linscott. 2,534,370, Dec. 19.
Preservation of leucocytes in blood. H. Brown and M. Samson. 2,515,189, July 18.
Preservation of rubbery polymers by derivatives of ketone amines. J. R. Ingram. 2,511,064, June 13.
Preservation of timber G. J. Pritchard. 2,503,841, Apr. 11.
Preservative compositions for cellulosic materials. J. F. McCarthy. 2,518,241, Aug. 8.
Preserving and disinfecting composition. A. L. Rawlins. 2,511,879, June 20.
Preserving animal fats. M. E. Dunkley. 2,504,507, Apr. 18.
Preserving eggs. F. G. Damuth. 2,525,096, Oct. 10.
Preserving hides and pelts. C. H. Gibson. 2,525,539, Oct. 10.
Preserving rice. T. Hara. 2,495,001, Jan. 17.
Preserving rubber. H. E. Albert. 2,514,218, July 4.
Preserving rubber. E. S. Blake. 2,506,410, May 2.
Preserving unpopped pop corn at optimum moisture content. S. T. Dexter. 2,497,399, Feb. 14.
Preset for antenna wire. D. I. McKee, R. E. Kester, and H. R. Smith. 2,521,737, Sept. 12.
Presetting means for gyro magnetic compasses. F. D. Braddon, G. P. de Westfelt, and R. S. Brannin 2,524,756, Oct. 10.
Press: *See*—

Baling press.
Blanking and drawing press.
Cheese press.
Double-action toggle press.
Electrically heated plastics press.
Enclosed fountain gravure press.
Envelope printing press.
Extrusion press.
Fluid-operated press.
Fruit press.
Garment finishing press.
Garment press.
Hydraulic press.
Injection molding press.
Manually controlled soap press.
Molding press.
Multiplaten press.
Multiple action power press.
Multiple platen press.

Press : *See*—Continued.
Pad press.
Padding or tableting press.
Perfecting offset press.
Photographic press.
Portable drill press.
Power press.
Pressure indicating arbor press.
Printer's padding press.
Punch press.
Punching and drawing press.
Quenching press.
Reversible press.
Rotary cutting and creasing press.
Rotary multicolor printing press.
Scarf joint gluing press.
Shear press.
Sheet metal working press.
Shoe press.
Steeping press.
Stretcher press.
Tennis racket press.
Tilting head press.
Tobacco press.
Transparent display necktie press.
Turret press.
Variable stroke press.
Vulcanizing mold press.
Vulcanizing press.
Vulcanizing spot press.
Wet press.

Press. A. A. Byerlein. 2,514,933, July 11.
Press. A. A. Byerlein. 2,522,745–7, Sept. 19.
Press and control therefor, Fluid operated. G. Courl. 2,535,785, Dec. 26.
Press attachment and frame, Hydraulic. J. H. Bender. 2,502,072, Mar. 28.
Press for commutator assemblies, Riveting. J. W. Dolan. 2,516,681, July 25.
Press for dental flasks. E. Levinsohn and V. A. Belanger. 2,501,527, Mar. 21.
Press for drying fibrous materials, Liquid-extracting. J. Stadler. 2,510,764, June 6.
Press for laminating safety glass. E. L. Walters. 2,525,980, Oct. 17.
Press for molding annular stepped articles. F. J. Stokes, Jr., and L. H. Bailey. 2,499,980, Mar. 7.
Press for molding tile. J. O'Hara. 2,517,340, Aug. 1.
Press-forging apparatus. C. A. Brauchler. 2,513,710, July 4.
Press iron holder. E. Eichelberger. 2,523,685, Sept. 26.
Press mechanism. A. L. Scott. 2,499,530, Mar. 7.
Press roll assembly. L. Hornbostel. 2,512,648, June 27.
Press with automatic bagger, Vulcanizing. L. E. Soderquist. 2,495,664, Jan. 24.
Press with auxiliary pump in cooling by-pass, Hydraulic. R. K. Sedgwick. 2,532,735, Dec. 5.
Press with continuously rotating dial, Hydraulic. W. A. Fletcher, B. S. Sample, and M. E. Todd. 2,500,671, Mar. 14.
Press with mold platform. F. H. Hoy. 2,528,276, Oct. 31.
Pressed log cutter. E. L. Johnston. 2,526,362, Oct. 17.
Presser and sealer, Combination. M. Van Antwerpen. 2,496,609, Feb. 7.
Presser and stretcher, Garment. P. F. Read. 2,499,109, Feb. 28.
Presser bar control for sewing machines. R. L. Abos, L. M. Stanfield, and R. B. Myers. 2,534,651, Dec. 19.
Presser device for sewing machines. F. P. Tamburro. 2,497,746, Feb. 14.
Presser, Film feeding. F. E. Oakhill. 2,509,650, May 30.
Presser foot, Combined welt seam. J. Lang. 2,494,182, Jan. 10.
Presser foot for sewing machines. J. L. Luna. 2,534,281, Dec. 19.
Presser foot for sewing machines, Grip. A. Maxson. 2,513,343, July 4.
Presser foot for shoe sewing machines. V. Pedersen. 2,527,196, Oct. 24.
Pressing and antishine device, Detachable. A. Loss and N. Scholnick. 2,504,029, Apr. 11.
Pressing garment seams. A. C. Duske and R. H. Reiss. 2,498,258, Feb. 21.
Pressing iron holder. H. G. Lautenschlager. 2,493,201, Jan. 3.
Pressing iron holder. P. A. Sitnick and A. W. Christopher. 2,528,846, Nov. 7.
Pressing machine. A. Astphan. 2,525,111, Oct 10.
Pressing machine. L. O. Becker. 2,527.114. Oct. 24.
Pressing machine. S. Goldstein. 2,516,695, July 25.
Pressing machine. P. W. Jones and M. G. Knoy. 2,509,354, May 30.
Pressing machine for pants and the like. H. O. Bayler. 2,529,899, Nov. 14.
Pressing machine, Garment. S. T. De Vitto. 2,533,183, Dec. 5.
Pressing machine, Seam. H. D. Elliott. 2,513,464, July 4.
Pressing machine, Sleeve. E. I. Pearson. 2,495,281, Jan. 24.
Pressing machine, Transmutable lever actuated. F. C. Lornitzo. 2,517,123, Aug. 1.
Pressing machine with movable support for the open end of the buck, Sleeve. I. C. Maxwell. 2,510,239, June 6.
Pressing of articles from metal powder. R. E. Rice. 2,495,823, Jan. 31.
Pressure adjustment in rotary printing machines. H. Gerlach. 2,518,878, Aug. 15.
Pressure applying means for cloth rolls in looms. W. H. Bahan. 2,519,424, Aug. 22.
Pressure atomizing type oil burner. R. D. Schoenwetter. 2,501,414. Mar. 21.
Pressure booster. F. M. Slater. 2,532,679, Dec. 5.
Pressure booster and welding gun, Hydropneumatic. E. F. Paner. 2,496,104, Jan. 31.
Pressure breathing oxygen regulator. B. B. Holmes. 2,523,906, Sept. 26.
Pressure cap for radiators, Thermostatically controlled. W. M. Watkins, Jr. 2,535,974, Dec. 26.
Pressure-compensated mixing valve. W. H. Barkas. 2,511,094, June 13.
Pressure control, Fluid. S. K. Lehman and D. M. Lawrence. 2,496,729, Feb. 7.
Pressure control installation and method. L. W. Mueller and G. H. Hofmann. 2,510,513, June 6.
Pressure control switch. P. V. Hayes. 2,519,134, Aug. 15.
Pressure control switch. W. C. Trautman. 2,507,065, May 9.
Pressure control valve. J. E. Gray, R. A. Gray, Jr., and W. M. Parker. 2,497,664, Feb. 14.
Pressure control valve. C. S. J. MacNeil, J. F. Haines, R. E. Moore, and H. Carson. 2,524,630. Oct. 3.
Pressure control valve. J. B. Olson. 2,506,735, May 9.
Pressure controlled operating means. E. E. Harper. 2,527,419, Oct. 24.
Pressure controlled switch. W. C. Trautman. 2,507,066, May 9.
Pressure cooker. L. E. Finch. 2,534,164, Dec. 12.
Pressure cooker. M. H. Graham. 2,516,202, July 25.
Pressure cooker. S. E. Richeson and J. A. Allegro. 2,509,075, May 23.
Pressure cooker. M. J. Zimmer. 2,531,717, Nov. 28.
Pressure cooker and pressure regulator therefor. W. L. Morrison, Jr. 2,530,534, Nov. 21.
Pressure cooker, Automatic. F. Korn. 2,515,879, July 18.
Pressure cooker, Automatically controlled electric. M. E. Ryan. 2,495,603, Jan. 24.
Pressure cooker closure. A. M. Gorfin. 2,529,767, Nov. 14.
Pressure cooker closure for cooking vessels. G. E. Morrison. 2,524,632, Oct. 3.
Pressure device, Electric. C. P. Potts, S. E. Ellerbe, and R. A. Hall. 2,510,785, June 6.
Pressure device for drawing frames. W. Naegeli. 2,508,964, May 23.
Pressure device for lens grinding machines. H. Goldberg. 2,528,952, Nov. 7.
Pressure exchange apparatus. G. Darrieus. 2,526,618, Oct. 24.
Pressure extrusion apparatus. P. A. Wolff. 2,499,206, Feb. 28.
Pressure fluid control arrangement. C. H. Gambell. 2,494,752, Jan. 17.
Pressure fluid coupling. J. O. Creek. 2,502,206, Mar. 28.
Pressure fluid motor. V. C. Sterrett. 2,493,602, Jan. 3.
Pressure gauge. A. F. Allwein. 2,527,171, Oct. 24.
Pressure gauge. E. C. Burdick. 2,502,776, Apr. 4.
Pressure gauge. J. R. O. Downing. 2,497,213, Feb. 14.
Pressure gauge. D. O. Druge. 2,530,005, Nov. 14.
Pressure gauge. D. C. Green. 2,518,540, Aug. 15.
Pressure gauge. B. B. Holmes. 2,505,118, Apr. 25.
Pressure-governed regulator. C. O. Herrala and A. B. Jepson. 2,510,976, June 13.
Pressure indicating and relieving device. B. Willach. 2,522,007. Sept. 12.
Pressure indicating arbor press. H. H. Moore and C. L. Johnson. 2,533,279, Dec. 12.
Pressure intensifier. G. S. Andrews. 2,500,237, Mar. 14.
Pressure intensifier, Fluid operated. E. A. Rockwell. 2,520,374, Aug. 29.
Pressure limiting thermostatic expansion valve. C. L. Aughey and L. V. McCarty. 2,505,933, May 2.
Pressure line filter. R. E. Brown. 2,514,623, July 11.
Pressure lubricator. H. C. Fairman. 2,506,712, May 9.
Pressure means for handkerchief machines. G. A. Anderson. 2,523,181, Sept. 19.
Pressure operated switch. L. J. Bordelon. 2,504,381, Apr. 18.
Pressure operated switch. J. O. Gill. 2,505,539, Apr. 25.
Pressure operated switch. F. W. Hottenroth. 2,522,717, Sept. 19.
Pressure operated switch. J. C. Koontz and C. L. Piper. 2,502,326, Mar. 28.
Pressure operated switch. R. A. Nicholson. 2,511,172, June 13.
Pressure operated valve. W. E. Shafer. 2,532,123, Nov. 28.
Pressure or load control device for linkage of metal-working presses. E. K. Johansen. 2,522,451, Sept. 12.
Pressure or load control device for metal working presses. E. K. Johansen. 2,522,452. Sept. 12.
Pressure pipe joint. H. W. Jewell, W. G. Calder, and R. B. Stringfield. 2,530,700, Nov. 21.
Pressure reducer and air strainer. F. H. Anderson. 2,533,907, Dec. 12.
Pressure reducing device for refrigerating apparatus. H. M. Goldberg. 2,532,019, Nov. 28.
Pressure reducing valve. S. E. Westman. 2,522,913, Sept. 19.
Pressure reduction chamber and unloading valve for explosives. S. M. Zandmer. 2,504,611, Apr. 18.
Pressure regulating device for pipes. B. F. Yount. 2,503,896, Apr. 11.
Pressure regulating mechanism. F. E. Miller and R. T. Whitney. 2,524,462, Oct. 3.

Pressure regulating valve. P. C. Temple. 2,519,798, Aug. 22.
Pressure regulator. L. B. Courtot. 2,493,111, Jan. 3.
Pressure regulator. L. B. Courtot. 2,517,534, Aug. 8.
Pressure regulator. E. N. Panner. 2,509,839, May 30.
Pressure regulator. L. P. Sinz. 2,514,458, July 11.
Pressure regulator valve. J. M. Wilkins. 2,519,805, Aug. 22.
Pressure release device. J. H. Stroop. 2,500,214, Mar. 14.
Pressure release valve. A. C. M. Maitland and E. D. Bannister. 2,523,036, Sept. 19.
Pressure releasing device. H. N. Rider. 2,493,644, Jan. 3.
Pressure relief for tumbling barrels, Automatic. H. J. Eklund. 2,513,462, July 4.
Pressure relief mechanism. C. V. Wolfe. 2,519,990, Aug. 22.
Pressure relief valve. R. A. Brown. 2,497,860, Feb. 21.
Pressure relief valve. T. R. Smith. 2,530,091, Nov. 14.
Pressure relief valve. E. A. Wilhelm. 2,500,888, Mar. 14.
Pressure relieving apparatus. T. M. Ragan. 2,502,886, Apr. 4.
Pressure responsive device, Electric. G. E. Coxon. 2,502,559, Apr. 4.
Pressure responsive means, Differential. H. Ziebolz. 2,493,180, Jan. 3.
Pressure responsive switch. H. D. Steinback. 2,499,040, Feb. 28.
Pressure responsive valve. H. U. Garrett and C. M. Peters. 2,519,242, Aug. 15.
Pressure ribbon-type gas burner. L. D. Houlis. 2,494,243, Jan. 10.
Pressure roll for forming bonded fiber webs. J. J. Smith 2,530,407, Nov. 21.
Pressure-sealing means. W. Kasten. 2,509,151, May 23.
Pressure sealing means for valves. E. W. Prout. 2,534,477, Dec. 19.
Pressure sealing member. T. L. Smith. 2,518,829, Aug. 15.
Pressure selector for wringers. E. E. Foster. 2,519,363, Aug. 22.
Pressure-sensitive container cover. M. F. Ketay and E. Nemeth. 2,500,549, Mar. 14.
Pressure switch. R. K. Sedgwick. 2,520,660, Aug. 29.
Pressure testing apparatus, Hydrostatic. C. C. Sherer, J. M. Koontz, and R. H. Hoefler. 2,532,954, Dec. 5.
Pressure valve. C. W. Greenwood. 2,506,449, May 2.
Pressure vessel assembly. H. B. Quarfoot. 2,512,552, June 20.
Pressure water system. F. A. Carpenter. 2,533,428, Dec. 12.
Pressurized jacket construction for rotating combustion chambers. R. H. Goddard. 2,526,223, Oct. 17.
Pressurizing fluidized solids. V. Voorhees. 2,495,152, Jan. 17.
Prestressing cement products. J. A. Sourwine. 2,535,100, Dec. 26.
Pretreating hydrocarbons to be isomerized. S. F. Perry. 2,493,499, Jan. 3.
Pretreating vegetable materials. L. Vâhl and A. W. Jansen. 2,515,025, July 11.
Pretreatment of hydrocarbon synthesis catalysts. J. P. Hogan. 2,532,621, Dec. 5.
Preventing clogging of drain troughs. W. R. Schmitz, Jr. 2,533,402, Dec. 12.
Preventing corrosion and corrosion inhibitors. C. M. Blair, Jr., and W. F. Gross. Re. 23,227, May 9.
Preventing deformation of tubular cores. R. F. Beck. 2,520,826, Aug. 29.
Preventing excessive combustion pressure in rocket motors. J. O. Hirschfelder. 2,497,888, Feb. 21.
Preventing injury in case of loom shuttle stoppage. F. J. Sullivan and A. R. Abbott. 2,499,887, Mar. 7.
Preventing linting in the dry cleaning of fabrics, Method and agent for. J. W. Kenney, Jr., and P. M. Rapier. 2,503,744, Apr. 11.
Preventing loss of liquid from a well hole in the earth. G. F. Williams. 2,502,191, Mar. 28.
Preventing rancidity of cooking fats. E. B. Doolin. 2,514,479, July 11.
Preventing seizure of moving parts. R. Flanagan. 2,519,557, Aug. 22.
Preventing singling in spinning operations. J. C. Boyd. 2,527,297–8, Oct. 31.
Preventing stains in photographic color material by the use of a fixing bath consisting of water, an alkali sulfite, and a fixing agent. H. C. Harsh and J. E. Bates. 2,515,122, July 11.
Preventing stains in photographic color material by treatment with basic acids immediately prior to drying. H. C. Harsh and J. E. Bates. 2,515,121, July 11.
Preventing tarnishing of the surfaces of silverware. J. C. Moss. 2,506,731, May 9.
Preventing the sticking of polymers to drying, etc., surfaces. J. H. Bannon and S. C. Lane. 2,532,985, Dec. 5.
Preventing theft of cycles. M. G. Theodorackis. 2,532,864, Dec. 5.
Prevention and destruction of weeds. W. A. Sexton, R. E. Slade and W. G. Templeman. 2,498,302, Feb. 21.
Prevention of afterburning in a moving bed catalyst regeneration process. L. F. Strader. 2,495,786, Jan. 31.
Prevention of degradation of textile fibers by acids. J. D. Reid, W. K. Ward, Jr., and L. W. Mazzeno, Jr. 2,493,031, Jan. 3.
Prevention of deterioration of hydrocarbon materials. L. C. Morris. 2,526,962, Oct. 24.
Prevention of foaming in steam generation. L. O. Gunderson. 2,493,453, Jan. 3.
Prevention of mist on transparent sheets and reflectors. A. S. Austin, R. H. Sapiro, and R. P. Fraser. 2,529,585, Nov. 14.
Prevention of rust. F. M. Watkins. 2,533,301–04. Dec. 12.
Price tag holder. A. Felix. 2,522,028, Sept. 12.
Primary cell. I. C. Blake and J. B. Mullen. 2,534,403, Dec. 19.
Primary cell. G. T. Piper and O. B. Sutton. 2,517,132, Aug. 1.
Primary cell with electrodes of magnesium and magnesium permanganate. D. V. Louzos. 2,535,742, Dec. 26.
Prime mover apparatus. A. Simons. 2,501,856, Mar. 28.
Prime mover control apparatus of the fluid pressure type. H. C. May. 2,501,729, Mar. 28.
Prime mover supplied by gas generators. J. P. Chittenden and R. J. Welsh. 2,502,127, Mar. 28.
Primer and manufacture. L. T. Meister. 2,516,898, Aug. 1.
Primer, Automatic. H. E. Goss. 2,496,465, Feb. 7.
Primer catcher. F. Foster. 2,521,842, Sept. 12.
Print developing machine and apron therefor. T. C. Harper. 2,522,115, Sept. 12.
Print development apparatus, Light-sensitive. J. W. McHugh. 2,524,818, Oct. 10.
Print roll. J. M. Goulding. 2,501,629, Mar. 21.
Print rolls, Making. J. M. Goulding. 2,501,630, Mar. 21.
Printer and filter for use therewith, Photographic. F. G. Wilde. 2,535,770, Dec. 26.
Printer, Autofocus projection. S. P. Zbell. 2,501,462, Mar. 21.
Printer, Automatic contact. R. P. Leavitt and W. M. White. 2,533,481, Dec. 12.
Printer, Code. J. L. Finch. 2,497,936, Feb. 21.
Printer, Continuous control. H. L. Fitch. 2,533,447, Dec. 12.
Printer having spring urged negative holder, Contact. F. V. Schleimer. 2,523,669, Sept. 26.
Printer, Photomechanical. F. T. Powers, Sr. 2,534,794, Dec. 19.
Printer telegraph circuit. J. A. Herbst and G. R. Clark. 2,523,300, Sept. 26.
Printer, Triple head rotary registry. J. G. Capstaff. 2,525,522, Oct. 10.
Printer's line-up table. P. E. Hartman. 2,512,937, June 27.
Printer's padding press. N. Adelsohn and A. Calone. 2,494,424, Jan. 10.
Printing. N. D. Hall. 2,520,928, Sept. 5.
Printing and dispensing machine, Label. J. H. B. Hedinger, Jr. 2,522,224, Sept. 12.
Printing and dyeing compositions and processes. F. Zwilgmeyer. Re. 23,306, Dec. 12.
Printing and feeding means in cash registers, Drawer controlled. M. A. Goodbar and A. J. Green. 2,499,217, Feb. 28.
Printing and folding mechanism, Rotary. C. S. Crafts. 2,511,149, June 13.
Printing and metering device, Postage. F. J. Rouan and B. Knauer. 2,510,350, June 6.
Printing and punching continuous webs. F. N. Guilbert. 2,522,784, Sept. 19.
Printing and registering mechanism, Valve. C. D. Ryan and E. P. Drake. 2,516,920, Aug. 1.
Printing and weighing apparatus. L. B. Lee. 2,515,412, July 18.
Printing and whirling device, Combined. J. N. Zachmann and R. L. Franklin. 2,512,126, June 20.
Printing apparatus, List. O. C. Moll. 2,534,364, Dec. 19.
Printing cellulose acetate fabrics with oxidation dye pastes comprising an alcohol and thickened with methyl cellulose H. C. Olpin and T. Jackson. 2,514,411, July 11.
Printing character forming wires. R. B. Johnson. 2,524,127, Oct. 3.
Printing, Cinematographic sound-track. W. E. Pohl. 2,495,821, Jan. 31.
Printing device. W. T. Gollwitzer. 2,535,733, Dec. 26.
Printing device, Cylindrical photographic. J. H. De Lacy. 2,512,487, June 20.
Printing device, Music. E. J. Clark. 2,502,928, Apr. 4.
Printing device, Offset. J. McK. Ballou and O. C. Filliung. 2,519,335, Aug. 22.
Printing device, Optical. J. A. Ball. 2,502,305, Mar. 28.
Printing, Electric. W. J. Hooper. 2,520,504, Aug. 29.
Printing element for typewriter printing machines. A. Thomas. 2,494,014, Jan. 10.
Printing, Imbibition. J. R. Clark, Jr. 2,526,995, Oct. 24.
Printing ink and printing. D. R. Erickson. 2,518,607, Aug. 15.
Printing machine. W. T. Gollwitzer. 2,500,069, Mar. 7.
Printing machine. W. T. Gollwitzer. 2,503,906, Apr. 11.
Printing machine. E. T. Knitter. 2,505,900, May 2.
Printing machine. A. Stobb. 2,518,575, Aug. 15.
Printing machine, Contact. S. W. Langdon. 2,535,145, Dec. 26.
Printing machine, Film. F. E. Oakhill. 2,515,420, July 18.

Printing machine, Keyboard operated. C. Chisholm. 2,506,701, May 9.
Printing machine, Rotary screen. A. J. Murphy. 2,511,511, June 13.
Printing machine, Sheet fed offset. E. G. Staude. 2,502,806, Apr. 4.
Printing machine, Stencil controlled. A. M. Mills and L. J. Herman. 2,531,886, Nov. 28.
Printing materials, Photolithographic. C. H. Mitson and E. E. Loening. 2,494,053, Jan. 10.
Printing mechanism. J. F. Jirousek. 2,495,261, Jan. 24.
Printing mechanism for recording and computing machines, Electrically operated. E. O. Roggenstein. 2,518,376, Aug. 8.
Printing, Method of and apparatus for. G. R. Brodie and W. M. Hawkes, Jr. 2,530,282, Nov. 14.
Printing of cellulose acetate using methyl cellulose as a thickener for strongly alcoholic dye solutions. H. C. Olpin and P. B. Law. 2,514,410, July 11.
Printing of plastics. L. Rado. 2,523,234, Sept. 19.
Printing, Offset. H. J. Luehrs. 2,499,870, Mar. 7.
Printing, Offset. H. J. Luehrs. 2,499,871, Mar. 7.
Printing on materials, Photographically. L. R. Stewart. 2,531,086, Nov. 21.
Printing or typewriting machine, Music. J. M. Parker. 2,494,192, Jan. 10.
Printing photographic or kinematographic films. F. Eichinger. 2,535,399, Dec. 26.
Printing plate and making same, Planographic. S. V. Worthen. 2,534,650, Dec. 19.
Printing plate and supporting sheet. D. H. Farrington. 2,518,535, Aug. 15.
Printing plate, Lithographic. W. C. Toland, A. P. Reynolds, and M. H. Hamilton, 2,532,865, Dec. 5.
Printing plate, Paper base planographic. F. H. Frost. 2,534,588, Dec. 19.
Printing plates, Producing arcular. R. R. Myers, Jr. 2,507,347, May 9.
Printing plates, Producing flat. R. R. Myers, Jr. 2,504,080, Apr. 11.
Printing plates, Producing gravure. H. H. Kubeserian. 2,528,007, Oct. 31.
Printing, Plural web. H. H. Heinrich. 2,504,021, Apr. 11.
Printing press brake. R. E. Sleight. 2,534,075, Dec 12.
Printing press former. C. S. Crafts. 2,504,502, Apr. 18.
Printing press having curved impression surface. C. F. Root. 2,497,798–801, Feb. 14.
Printing sheet, Planographic. D. A. Newman. 2,511,783, June 13.
Printing surface, Preparation of a. C. W. Bennett and W. F. Alexander. 2,532,390, Dec. 5.
Printing surfaces, Preparing gravure. R. MacKay. 2,506,427, May 2.
Printing system and method, Telegraphic. J. J. Ackell and H. L. Paulding. 2,531,868, Nov. 28.
Printing system, Morse code. L. A. Thomas, J. A. Spencer, and E. R. Shenk. 2,534,387, Dec. 19.
Printing textile fabrics with a dye paste comprising a styrene-maleic anhydride copolymer cross-linked with divinyl benzene. R. B. Seymour. 2,533,635, Dec. 12.
Printing with sulfuric acid esters of leuco vat dyes of the anthraquinone series. A. Schoen. 2,521,485, Sept. 5.
Private branch exchange trunk-hunting connector switch circuit. F. A. Morris. 2,506,730, May 9.
Privy seat. B. L. Cullum. 2,514,537, July 11.
Procaine penicillin and therapeutic compositions. H. W. Rhodehamel, Jr. 2,515,898, July 18.
Procaine salts of biosynthetic penicillins. H. W. Rhodehamel, Jr. 2,528,174–7, Oct. 31.
Procedure for making fodder meal and oil from animal raw materials. O. Valen. 2,534,640, Dec. 19.
Procedure for the preparation of prosthesis of great strength from methyl methacrylate monomer and polymer. M. Haefeli. 2,497,451, Feb. 14.
Process. E. E. Stahly and B. B. Corson. 2,524,848, Oct. 10.
Process for inhibiting fretting corrosion. T. G. Roehner and C. D. Thayer. 2,533,840, Dec. 12.
Process to provide plastic articles with printing. L. Rado. 2,532,941, Dec. 5.
Process utilizing solid carrier particles. D. E. Marshall. 2,525,925, Oct. 17.
Processes employing fluent solids. C. L. Caldwell. 2,514,371, July 11.
Processing alcoholic beverage distillates. A. I. Zarow. 2,520,189, Aug. 29.
Processing an electron discharge device, Method and structure for. H. Cassman. 2,508,856, May 23.
Processing apparatus. L. McGihon. 2,528,069, Oct. 31.
Processing cherries preserved in sulfur dioxide lime brine. G. B. Nickol. 2,494,258, Jan. 10.
Processing citrus peel and citrus peel liquor. E. M. Burdick and J. S. Allen. 2,525,645, Oct. 10.
Processing device, Floor. E. A. Detweiler. 2,528,870, Nov. 7.
Processing diffusion juice. P. W. Alston, C. J. Moroney, and W. K. Gray. 2,509,408, May 30.
Processing machine for textile fabrics, Continuous. W. M. Wentz. 2,505,657, Apr. 25.
Processing machine, Hydraulically operated leather. J. M. Smith. 2,510,913, June 6.
Processing mill. H. D. Iredale. 2,498,209, Feb. 21.
Processing of meat. O. E. Schotté. 2,516,923, Aug. 1.
Processing of wastes. W. H. Stark and L. Manna. 2,524,718, Oct. 3.
Processing potatoes. F. A. Teigen. 2,524,182, Oct. 3.
Processing strip metal, Method and apparatus for. M. D. Stone. 2,526,296, Oct. 17.
Produce picker's bag. J. C. Rawitzer. 2,507,679, May 16.
Producing a constant current. H. Forssell. 2,530,011, Nov. 14.
Producing a modified candelilla wax. C. S. Treasy. 2,521,553, Sept. 5.
Producing a package, Method and apparatus for. S. R. Howard and J. G. Vergobbi. 2,514,867, July 11.
Producing and exhibiting stereoscopic motion pictures in color. J. F. Seitz and G. Avil. 2,517,246, Aug. 1.
Producing and using fruit and vegetable coating wax. S. C. Rieke. 2,502,592, Apr. 4.
Producing antihalation photographic article. A. E. Van Dormael and L. A. Van der Auwera. 2,529,890, Nov. 14.
Producing articles from film-forming materials. M. A. Chavannes. 2,526,634, Oct. 24.
Producing capsules, Process and apparatus for. B. D. Pile. 2,531,986, Nov. 28.
Producing cast synthetic resin structures by photopolymerization of monomeric material, Method and apparatus for. A. White. 2,524,862, Oct. 10.
Producing constant current from constant potential. H. K. Smeltzly. 2,512,976, June 27.
Producing copper sulfate. G. E. Harike. 2,533,245, Dec. 12.
Producing Δ-9,11-3(α)-hydroxy-17-ketoethiocholene. L. H. Sarett. 2,509,248, May 30.
Producing dispersions. R. S. Robinson. 2,524,573, Oct. 3.
Producing electrical waves of predetermined formation, Method and apparatus for. D. Sebouh. 2,532,038, Nov. 28.
Producing electrically conducting coatings on glass and mica sheets. J. M. Mochel. 2,522,531, Sept. 19.
Producing flattened glass tubing, Method of and apparatus for. L. C. Casselle. 2,529,678, Nov. 14.
Producing fluid purification materials and products thereof. J. R. Dudley. 2,521,664, Sept. 5.
Producing hydrocarbons by the catalytic reduction of carbon monoxide by hydrogen. E. W. Riblett. 2,525,827, Oct. 17.
Producing larger arylalkanes from smaller ones. M. S. Kharasch. 2,524,318, Oct. 3.
Producing larger cyanoalkanes from smaller ones. M. S. Kharasch. 2,524,319, Oct. 3.
Producing low-temperature refrigeration, Method and system for. A. W. Rausch. 2,513,361, July 4.
Producing mineral wool, Method and apparatus for. E. R. Powell. 2,529,962, Nov. 14.
Producing moiré pattern effects in fabrics. A. Holterhoff. 2,513,646, July 4.
Producing plastic patterns of irregular outlines. F. C. Schueler. 2,523,670, Sept. 26.
Producing powdered metal. G. R. Smith. 2,522,546, Sept. 19.
Producing stabilized drive belts. L. Edland. 2,535,124, Dec. 26.
Producing stereoscopic negatives. K. C. Brier and M. G. Tyler. 2,522,662, Sept. 19.
Producing sticks or refills containing fasteners. J. D. A. Whalen. 2,522,656, Sept. 19.
Producing substantially colorless proteins from oleaginous seed material. F. E. Calvert. 2,534,228, Dec. 19.
Producing tiles, Method and apparatus for. D. W. Stewart, Jr., J. Mitchell, and C. V. Matthews. 2,535,241, Dec. 26.
Producing titanium alloys. W. J. Kroll. 2,522,679, Sept. 19.
Producing transparent protective films on zinc or cadmium. L. H. Ott and J. T. Shewbridge. 2,502,476, Apr. 4.
Producing transparentized and crinkled cellulosic fabrics. G. Heberlein. 2,531,813, Nov. 28.
Producing tubes from two heat-sealable films. C. M. Carson and J. E. Synder. 2,522,346, Sept. 12.
Producing vesicular molded products from burnt clays, shales, or similar argillaceous material. A. Ryner. 2,533,899, Dec. 12.
Product for supplementing vitamins and preparing the same. A. Rosenberg. 2,501,409, Mar. 21.
Product transfer means. H. Gang. 2,531,208, Nov. 21.
Production of phenolphthalein, Process for the. H. R. Gamrath. 2,522,939–40, Sept. 19.
Profiling machine. C. Perry. 2,507,734, May 16.
Program controller, Pretimed electrically operated. H. Miller. 2,527,565, Oct. 31.
Program-scheduling apparatus. J. A. Rohrer. 2,504,589, Apr. 18.
Program selector, Automatic radio. A. A. Miller. 2,519,686, Aug. 22.
Projectile. N. Anderson. 2,494,026, Jan. 10.
Projectile. T. A. Banning, Jr. 2,507,878, May 16.
Projectile. E. F. Chandler. 2,504,648, Apr. 18.
Projectile. W. W. Mount. 2,522,685, Sept. 19.
Projectile and fuse for said projectile, Antiaircraft. R. Gaurdon. 2,505,042, Apr. 25.
Projectile equipped with fins. J. R. Jasse. 2,498,080, Feb. 21.

Projectile, Life belt. W. B. Kochner and L. T. Ward. 2,496,479, Feb. 7.
Projectile, Rocket. C. F. Bjork and A. C. Kochis. 2,519,878, Aug. 22.
Projectile, Doll. J. D. Lucero. 2,525,228, Oct. 10.
Projectile, Rocket. E. F. Chandler, 2,500,117, Mar. 7.
Projectile, Rocket. E. F. Chandler. 2,524,591, Oct. 3.
Projectile, Rocket. C. N. Hickman. 2,503,271, Apr. 11.
Projectile, Rocket. G. J. Kessenich. 2,494,562, Jan. 17.
Projectile, Step-motor rocket. C. N. Hickman. 2,510,110, June 6.
Projecting an image onto lithographing plates. H. W. Anderson. 2,510,363, June 6.
Projecting and viewing device for cards with microfilm and the like. J. F. Langan. 2,495,528, Jan. 24.
Projecting device for moving picture installations, Continuously moving film. D. Charles. 2,506,198, May 2.
Projecting device, Oil. G. H. Garraway and N. F. Myers. 2,497,939, Feb. 21.
Projecting machine and sound-producing means, Picture film. P. Prell. 2,513,673, July 4.
Projecting, measuring, and gauging device. L. F. Polk. 2,508,797, May 23.
Projection and display apparatus, Optical. R. C. Bretz. 2,499,351, Mar. 7.
Projection apparatus. J. A. Van den Broek. 2,534,084, Dec. 12.
Projection apparatus for film slides, Portable folding. F. J. Perillo. 2,506,168, May 2.
Projection apparatus, Nonintermittent motion-picture. F. L. Korb. 2,515,453, July 18.
Projection apparatus with normal illumination means, Optical. H. M. E. Pasquet. 2,496,675, Feb. 7.
Projection device for presenting and reproducing reading matter. K. Jelinek. 2,503,740, Apr. 11.
Projection device, Kaleidoscopic image. W. C. Eddy. 2,493,237, Jan. 3.
Projection for television transmissions, Pulsed light film. L. C. Downes and J. F. Wiggin. 2,499,181, Feb. 28.
Projection screen. A. B. Du Mont, P. Raibourn, and T. T. Goldsmith, Jr. 2,521,571, Sept. 5.
Projection screen. A. J. Elian. 2,511,702, June 13.
Projection system. R. G. Schuler. 2,525,957, Oct. 17.
Projection system and viewing screen, Television. M. Cawein and H. W. G. Salinger. 2,531,399, Nov. 28.
Projection system, High magnification. F. E. Ross. 2,510,419, June 6.
Projection system, Optical. L. J. Cuneo. 2,510,080, June 6.
Projection system, Schmidt television. G. L. Grundmann. 2,531,509, Nov. 28.
Projection television receiver cabinet. J. D. Reid. 2,512,553, June 20.
Projection vibration indicator. B. W. Smith. 2,535,326, Dec. 26.
Projector. I. J. London. 2,526,377, Oct. 17.
Projector. J. A. Van den Broek. 2,534,083, Dec. 12.
Projector adapter. J. P. Hume. 2,501,055, Mar. 21.
Projector and printer, Combination. V. E. Pratt and G. F. Gray. 2,493,998, Jan. 10.
Projector and reader device with indexing means, Microphotographic. W. Rowe and C. M. Adler. 2,501,453, Mar. 21.
Projector, Automatic slide. J. Antos. 2,503,239, Apr. 11.
Projector attachment, Moving picture. E. S. Horres. 2,506,595, May 9.
Projector, Ball. R. E. Barnes. 2,506,190, May 2.
Projector catcher, Separable. P. R. Horwitch. 2,515,226, July 18.
Projector, Dissolving slide film. A. E. Krows. 2,503,277, Apr. 11.
Projector-drawing apparatus. H. F. M. Reijns. 2,522,839, Sept. 19.
Projector for films having pictures arranged in plural rows, Cinematograph. M. E. Nebel. 2,499,522, Mar. 7.
Projector for film with pictures in alternate series, Motion-picture. O. J. Holmes. 2,505,965, May 2.
Projector for game boards, Adjustable gravity ball. A. Lamprecht. 2,503,393, Apr. 11.
Projector, Game disk. C. A. Ford. 2,520,460, Aug. 29.
Projector, Golf puppet ball. J. H. Munro. 2,513,198, June 27.
Projector, Hand disk. E. E. Hansen. 2,493,245, Jan. 3.
Projector having cam operated intermittent film feed and shutter, Motion-picture. F. T. Coffey, Sr. 2,533,560, Dec. 12.
Projector having cathode-ray tube comprising spherical mirror, Schmidt. C. S. Szegho. 2,495,035, Jan. 17.
Projector having curved film gate, Cinematographic. A. M. B. Charlin. 2,506,441, May 2.
Projector having tube screen and object surface connected by light-conducting filaments, Catoptric television. F. C. P. Henroteau. 2,510,106, June 6.
Projector, Light. W. A. Pennow and R. T. Burns. 2,498,294, Feb. 21.
Projector, Mechanical golf ball. S. A. Anthony. 2,523,805, Sept. 26.
Projector movement, Intermittent. R. Smid. 2,497,915, Feb. 21.
Projector, Picture. J. V. Whipple and G. P. Kammerer. 2,518,209, Aug. 8.
Projector, Portable image. D. O. Woodbury. 2,496,647, Feb. 7.
Projector producing transversely elongated light beams, Indirect lighting. F. P. Fink. 2,516,377, July 25.
Projector, Rocket. L. A. Skinner and J. A. Folse. 2,504,160, Apr. 18.
Projector, Rocket. L. A. Skinner and E. G. Uhl. 2,496,316, Feb. 7.
Projector, Sound motion-picture. O. Kendall and S. W. Loach. 2,502,011, Mar. 28.
Projector, Spring. J. J. and A. Kasakevitch. 2,520,246, Aug. 29.
Projector strip film advancing and framing mechanism. F. J. Perillo. 2,534,731, Dec. 19.
Projector, Table horseshoe. H. G. Falk. 2,514,994, July 11.
Projector, Visual educational. H. B. Roysher. 2,529,664, Nov. 14.
Projector with convection-current motor and picture disk, Moving picture. J. L. Cloud. 2,501,862, Mar. 28.
Projector with falling head for striking a ball, Simulated golf game. G. H. Severin. 2,532,646, Dec. 5.
Projector with masking device, Kaleidoscopic image. W. C. Eddy. 2,493,238, Jan. 3.
Projector with rotatable turret head, Film. V. E. Pratt and G. F. Gray. 2,517,414, Aug. 1.
Prolamine and derivative compositions, Production of plasticized. W. L. Morgan and C. R. Faelton. 2,507,263, July 4.
Proofing laminated material. D. Belcher. 2,513,708, May 9.
Promoting reactions in a fluidized bed comprising a plurality of catalysts. W. W. Odell. 2,503,291, Apr. 11.
Pronged snap fastener. O. J. Huelster. 2,509,501, May 30.
Pronged stud fastener. F. Howard. 2,515,827, July 18.
Prop, Automatic trailer. S. B. Winn 2,519,091, Aug. 15.
Prop for clotheslines. E. J. Calim. 2,500,060, Mar. 7.
Prop for conveyers, Swingable. E. H. Ensinger. 2,533,882, Dec. 12.
Prop for trailers. J. J. Black. 2,499,625, Mar. 7.
Prop, Telescoping clothes. T. S. Carter. 2,504,392, Apr. 18.
Propagator, incubator, and brooder, Combination. G. H. Wade, Sr. 2,497,381, Feb. 14.
Propane fractionation of lubricating oil stocks. A. N. De Vault. 2,527,404, Oct. 24.
Propellant compositions, Liquefied gas. F. G. Lodes. 2,529,092, Nov. 7.
Propellant powder, Making. D. S. Bruce and E. L. Klein. and B. H. Sage. 2,495,216, Jan. 24.
Propellants, Manufacturing. P. A. Longwell, A. D. Ayers 2,499,295, Feb. 28.
Propeller. R. J. Glass. 2,511,156, June 13.
Propeller. E. Martin. 2,511,862, June 20.
Propeller. E. G. McCauley. 2,527,438, Oct. 24.
Propeller. E. H. Rouse. 2,528,609, Nov. 7.
Propeller, Aircraft. K. W. Figley. 2,510,216, June 6.
Propeller, Aircraft. T. B. Martin and K. L. Berninger. 2,528,281, Oct. 31.
Propeller and control therefor, Self-operating pitch changing. R. E. Sharpes. 2,504,737, Apr. 18.
Propeller blade and assembling a bearing thereon. J. H. Sheets and M. E. Cushman. 2,499,837, Mar. 7.
Propeller blade and torque unit therefor, Pitch shiftable. T. B. Martin, K. L. Berninger, J. F. Haines, J. R. May, P. E. Theobald, G. R. Taylor, and G. T. Neudeck. 2,500,692, Mar. 14.
Propeller blade, Compound. E. G. Griese. 2,514,487, July 11.
Propeller blade construction, Hollow steel. W. C. Heath. 2,493,139, Jan. 3.
Propeller blade mounting. P. F. Hackethal. 2,515,996, July 18.
Propeller blade retention. E. Wildhaber. 2,518,431, Aug. 8.
Propeller blade with a tubular backbone. F. A. Gruetjen. 2,535,917, Dec. 26.
Propeller blades, Making. C. A. Brauchler. 2,512,264, June 20.
Propeller blades, Making. G. T. Lampton. 2,511,858, June 20.
Propeller, Constant speed. R. W. Jenny. 2,499,826, Mar. 7.
Propeller, Constant speed. L. J. Weber. 2,503,461, Apr. 11.
Propeller constructions, Producing. W. C. Johnson. 2,498,275, Feb. 21.
Propeller control. H. M. Geyer. 2,525,260, Oct. 10.
Propeller control. H. M. Geyer and H. Carson. 2,502,041, Mar. 28.
Propeller control. J. R. May. 2,507,671, May 16.
Propeller control. J. R. May. 2,509,104, May 23.
Propeller control, Differential. A. I. Roman. 2,521,806, Sept. 12.
Propeller control mechanism, Cycloidal. K. F. J. Kirsten. 2,532,235, Nov. 28.
Propeller control, Reversing. E. Martin and M. C. Beebe, Jr. 2,504,209, Apr. 18.
Propeller drive for airplanes with counter-rotating propellers. J. G. Vincent. 2,518,841, Aug. 15.
Propeller, Dual rotation. G. W. Brady and C. W. Chillson. 2,533,346, Dec. 12.
Propeller, Dual rotation. T. B. Martin and K. L. Berninger. 2,504,559, Apr. 18.

Propeller, Feathering reversible. W. H. Petersen. 2,532,371, Dec. 5.
Propeller, Fluid controlled. J. R. May, J. F. Haines, and D. A. Richardson. 2,527,022, Oct. 24.
Propeller, Folding. E. H. Rowley. 2,500,382, Mar. 14.
Propeller for flying machines and parachutes, Sustaining. V. Isacco. 2,523,216, Sept. 19.
Propeller for stirring paints, Double. R. G. Hornik and S. E. Wood. 2,496,007, Jan. 31.
Propeller hub. P. F. Hackethal and R. Karey. 2,530,520, Nov. 21.
Propeller, hub, and coupling, Feathering. A. S. de W. Herreshoff. 2,495,453, Jan. 24.
Propeller, Hydraulically controlled variable pitch. H. Obrist. 2,523,053, Sept. 19.
Propeller, Marine. O. E. Hansen. 2,508,160, May 16.
Propeller, Marine. F. E. Thompson, Jr. 2,498,348, Feb. 21.
Propeller mechanism. W. J. Blanchard, and C. S. J. MacNeil. Re. 23,253, Aug. 15.
Propeller mechanism for boats, Outboard. A. W. Wanzer. 2,499,339, Feb. 28.
Propeller mechanism for boats with eccentrically mounted shaft housings, Outboard. A. W. Wanzer. 2,532,470, Dec. 5.
Propeller, Model airplane. A. S. Barkley. 2,535,527, Dec. 26.
Propeller pitch adjusting device. J. H. Booth. 2,501,432, Mar. 21.
Propeller pitch control means. E. Martin and T. B. Rhines. 2,513,660, July 4.
Propeller pitch controlling mechanism, Fluid operated. E. Atteslander. 2,513,546, July 4.
Propeller, Reversible. R. E. Bell. 2,494,028, Jan. 10.
Propeller, Self-governing wind-driven. C. R. Jacobs. 2,516,576, July 25.
Propeller, Side steering. E. Wiggins. 2,524,184, Oct. 3.
Propeller system, Controllable pitch marine. H. J. Nichols. 2,501,908, Mar. 28.
Propeller, Tandem. E. W. Morris. 2,525,708, Oct. 10.
Propeller, Two-position variable pitch. C. I. Lathrem. 2,498,110, Feb. 21.
Propeller, Variable. C. Fumagalli. 2,533,785, Dec. 12.
Propeller, Variable pitch. C. I. Lathrem. 2,498,109, Feb. 21.
Propeller, Variable pitch. E. R. Lochman. 2,496,169, Jan. 31.
Propeller, Variable pitch. T. H. Troller. 2,495,434, Jan. 24.
Propeller with blades adjustable during service, Ship's. F. Roesch. 2,517,714, Aug. 8.
Propelling device, Boat. R. T. Griffin. 2,507,205, May 9.
Propelling device for aircraft, Reaction. R. Anxionnaz and R. Imbert. Re. 23,198, Feb. 21.
Propelling means. R. Doussain. 2,523,651, Sept. 26.
Propelling means, Boat. W. O. Hanson. 2,507,469, May 9.
Propelling mechanism. E. H. Desmoulins. 2,531,032, Nov. 21.
Propelling mechanism, Manual boat. B. Nadolinski. 2,518,808, Aug. 15.
Prophylactic. S. Penksa. 2,525,238, Oct. 10.
Prophylactic toxoid compound and making same. L. Pillemer. 2,528,972, Nov. 7.
Propionaldehyde, Production of. J. L. Gear. 2,501,042, Mar. 21.
Propolis culture. L. V. France. 2,517,419, Aug. 1.
Proportional flow valve. A. R. Burgess. 2,535,835, Dec. 26.
Proportioning and mixing apparatus, Rotary. W. W. Kemp and W. Hunt. 2,496,586, Feb. 7.
Proportioning device. S. S. Field. 2,517,647, Aug. 8.
Proportioning pull to specimen size, Means for. D. C. Scott. 2,494,836, Jan. 10.
Propulsion and stabilizing device, Airplane. W. L. Lewis. 2,504,137, Apr. 18.
Propulsion apparatus actuated by successive charges of detonating materials. R. H. Goddard. 2,515,643, July 18.
Propulsion means for aircraft, Fluid. E. G. Still. 2,531,748, Nov. 28.
Propulsion means for boats. J. Napoli. 2,533,681, Dec. 12.
Propulsion means for rowboats. F. W. Raicy. 2,534,180, Dec. 12.
Propulsion mechanism, Auxiliary. C. E. Baker. 2,523,674, Sept. 26.
Propulsion system for aircraft. R. C. Schulte. 2,518,498, Aug. 15.
Propulsion system for aircraft, Reaction. H. A. Berliner. 2,523,938, Sept. 26.
Propulsion system, Thermal jet and rocket motor. M. J. Zucrow. 2,531,761, Nov. 28.
Propylenediamine, Preparation of. G. W. Fowler. 2,519,560, Aug. 22.
Propylene glycol esters, Manufacture of. W. F. Gresham. 2,497,408, Feb. 14.
Propylene glycol monoaryl ether-esters of sulfosuccinic acid. E. C. Britton and R. L. Brown. 2,510,008, May 30.
Propylene oxide, Production of. G. A. Cook. 2,530,509, Nov. 21.
Propylene polymerization. C. S. Carlson, R. S. Merrington, and F. A. Biribauer. 2,508,744, May 23.
Propylene polymerization process. C. M. Fontana, A. G. Oblad, and G. A. Kidder. 2,525,787, Oct. 17.
Propylene polymerization with HF-BF_3. B. L. Evering and E. F. Peters. 2,528,876, Nov. 7.
Propylene polymers and surface active agents derived from said polymers, Producing. R. E. Schaad. 2,517,720, Aug. 8.
Prospecting. G. Herzog. 2,535,066, Dec. 26.
Prospecting device, Subsurface. J. C. Bender. Re. 23,226, May 9.
Prospecting method, Electrical. R. R. Thompson. 2,531,088, Nov. 21.
Prospecting method, Seismic. C. G. Dahm. 2,503,904, Apr. 11.
Prosthesis. T. V. Larsson and S. H. Dahlbäck. 2,493,884, Jan. 10.
Protamines, preparing. R. J. Block. 2,497,858, Feb. 21.
Protecting circuit. R. S. Stanton. 2,509,703, May 30.
Protecting device against rain, sun, flies, and the like. T. R. Battle. 2,496,769, Feb. 7.
Protecting device for gas- or vapor-filled, controlled discharge tubes. K. W. Hess. 2,503,735, Apr. 11.
Protecting inverters against disturbances. U. Lamm. 2,532,107, Nov. 28.
Protecting means for markings in gas analysis apparatus. J. J. Olsen. 2,526,400, Oct. 17.
Protecting metal surfaces against hydrogen sulfide corrosion. D. C. Bond and M. Savoy. 2,510,771, June 6.
Protecting preformed furniture panel grooves. W. F. Fox. 2,516,197, July 25.
Protecting system for camera viewing areas. E. E. Masterson. 2,527,436, Oct. 24.
Protecting well drilling rotaries against blowouts. J. D. Bennett. 2,506,538, May 2.
Protection device, Eye. D. P. Bernheim. 2,529,068, Nov. 7.
Protection for distortable rubber surfaces, Sunlight. A. W. Spicer. 2,531,541, Nov. 28.
Protection for meters, Overload. S. A. Zimmermann. 2,509,027, May 23.
Protection of high surface xerogels. R. C. Archibald and F. T. Eggertsen. 2,519,622, Aug. 22.
Protection of hydraulic systems. W. Waterman. 2,512,189, June 20.
Protection of immersed metal. H. M. Freud. 2,505,535, Apr. 25.
Protection of magnesium and magnesium-base alloys. H. M. Freud. 2,513,237, June 27.
Protection of magnesium and magnesium base alloys against corrosion. S. E. Mayer and W. F. Higgins. 2,509,273, May 30.
Protection of phosphors from attack by alkali vapors. W. J. Hushley and W. M. Siebert. 2,533,809, Dec. 12.
Protection of vinylidene chloride polymers from the effects of light. T. Houtman, Jr. 2,519,189, Aug. 15.
Protection motion. E. H. Ashton, E. A. Mastriani, and R. G. Mallard. 2,522,594, Sept. 19.
Protection rod spring. H. Hoeber. 2,493,821, Jan. 10.
Protection system with current polarized directional current relay, Bus bar. A. J. McConnell. 2,515,784, July 18.
Protective apparatus. R. M. Waltman. 2,508,588, May 23.
Protective apparatus. E. H. Yonkers. 2,508,055, May 16.
Protective apparatus, Electrical. O. S. Jennings. 2,523,117, Sept. 19.
Protective apparatus for combustion systems. W. J. Willenborg. 2,532,214, Nov. 28.
Protective apparatus for differential fluid meters. J. W. Beecher. 2,505,456, Apr. 25.
Protective apparatus for refrigerating systems. A. Poukhalo-Poukhlovsky. 2,532,074, Nov. 28.
Protective arrangement for electric lines. A. Matthey-Doret. 2,528,896, Nov. 7.
Protective arrangement for high-power electronic tubes. S. V. Jennings. 2,516,215, July 25.
Protective control system. G. C. Armstrong. 2,516,538, July 25.
Protective device. E. C. Brill. 2,532,285, Dec. 5.
Protective device. J. W. Kalb. 2,503,911, Apr. 11.
Protective device. W. G. Roman and R. H. Best. 2,519,289, Aug. 15.
Protective device. B. and R. L. Rose. 2,513,969, July 4.
Protective device, Combination overcurrent and overvoltage. S. R. Smith, Jr. 2,502,179, Mar. 28.
Protective device, Electrical. C. A. Fox. 2,498,120, Feb. 21.
Protective device for clamp screws or the like. H. V. Holman. 2,512,528, June 20.
Protective device for electrical precipitators. A. N Crowder. 2,506,996, May 9.
Protective device for fuel lines or the like. L. A. Williams, Jr., and A. C. Allen. 2,531,958, Nov. 28.
Protective device for gas turbines. D. Q. Marshall. 2,534,138, Dec. 12.
Protective device for use in soldering operations. R. B. Thomas. 2,506,047, May 2.
Protective device for vacuum tubes. C. Holritz. 2,515,224, July 18.
Protective device, Overload. E. H. B. Martin. 2,494,346, Jan. 10.

Protective device, Overload. H. E. Schleicher. 2,495,608, Jan. 24.
Protective means for conveyers. E. R. Woodring. 2,505,927, May 2.
Protective means for electrical instrumentalities. R. D. Nelson. 2,509,935, May 30.
Protective switch. C. W. Kuhn. 2,522,048, Sept. 12.
Protective system. D. W. Exner. 2,500,939, Mar. 21.
Protective system, Electric. A. J. McConnell. 2,529,169, Nov. 7.
Protective system for an overheated journal-bearing and its axle. H. Brandt. 2,528,817, Nov. 7.
Protective system for condensers. G. Ogurkowski. 2,513,957, July 4.
Protective system for dynamoelectric machines. H. S. Ogden. 2,497,684, Feb. 14.
Protective system for fault and out-of-step conditions. A. R. van C. Warrington. 2,509,025, May 23.
Protective system, Generator. R. L. Brown. 2,522,601, Sept. 19.
Protective system, Synchronous condenser. J. E. Reilly. 2,523,141, Sept. 19.
Protector: *See*—
- Automobile armrest protector.
- Automobile sun protector.
- Baby moistureproof diaper protector.
- Bathtub protector.
- Battery protector.
- Beach protector.
- Breast protector.
- Cable protector.
- Carton protector.
- Check protector.
- Clothesline laundry protector.
- Combination crib sheet and mattress protector.
- Corner protector.
- Curing tube protector.
- Diaper protector.
- Eye protector.
- Finger safety protector.
- Folded shirt and collar protector.
- Garment protector.
- Glass window hurricane protector.
- Hat protector.
- Headrest protector.
- Heel protector.
- Hydraulically actuated pipe thread protector.
- Leg protector.
- Mirror protector.
- Nose and mouth protector.
- Overload protector.
- Purge protector.
- Railway car door protector.
- Rice planter's thumb protector.
- Saddle protector.
- Sling protector.
- Stocking and foot protector.
- Swiveled iron cord protector.
- Telescopic protector.
- Thread protector.
- Toe protector.
- Waterproof stocking and shoe protector.
- Well casing protector.
- Window display protector.
- Window sill protector.
- Work protector.
- Wound protector.

Protector and marker, Page. S. S. Pfeiffer. 2,510,053, June 6.
Protector and retainer, Diaper. M. I. Bellum. 2,513,618, July 4.
Protector control. D. F. Alexander. 2,518,741, Aug. 15.
Protector device, more particularly for use with knitting needles. F. K. Reeves. 2,504,350, Apr. 18.
Protector device, Table. R. F. Weil. 2,502,771, Apr. 4.
Protector for automatic shoe nailing machines, Sock-liner. A. Sava. 2,502,594, Apr. 4.
Protector for automobiles, Body. M. Hoffman. 2,512,527, June 20.
Protector for cartons, Valved. R. A. Deutschman. 2,535,273, Dec. 26.
Protector for dispensing hose valves. D. A. McCoy and J. E. McCoy, Jr. 2,497,006, Feb. 7.
Protector for drink mixers. S. W. Cox. 2,513,848, July 4.
Protector for dynamic balancing machines, Bearing. J. H. Townshend. 2,527,898, Oct. 31.
Protector for enclosed bodies, Corner. E. J. Bergeron. 2,514,833, July 11.
Protector for gas pump nozzles. E. R. Barney. 2,524,509, Oct. 3.
Protector for heated windshields, Overheat. W. B. Brewer. 2,518,277, Aug. 8.
Protector for magnetic recording and reproducing devices, Record. M. Camras. 2,515,190, July 18.
Protector for reeds on musical instruments. F. T. Costello. 2,502,558, Apr. 4.
Protector for shoulder straps, Shoulder. F. Y. Trent. 2,501,749, Mar. 28.
Protector for telescopic gun sights, Lens. J. C. Reavis. 2,514,257, July 4.
Protector for traversing screw on microscope stage. E. Daniel. 2,500,604, Mar. 14.
Protector for vacuum insulated vessels, Exhaust tip. A. H. Payson and L. J. Darmstadt. 2,534,295, Dec. 19.
Protector for vaporproof lamps. R. Popp and M. C. Carlson. 2,514,164, July 4.
Protector shield and album leaf. R. B. Buzzerd. 2,524,306, Oct. 3.
Protector unit construction. J. S. Baker. 2,522,700, Sept. 19.
Protein artificial filamentary products, Production of insolubilized. R. H. K. Thomson. 2,533,297, Dec. 12.
Protein artificial filamentary products, Production of insolubilized. R. H. K. Thomson and W. A. Caldwell. 2,532,350, Dec. 5.
Protein base glues. R. G. Peterson and G. R. Brieger. 2,530,780, Nov. 21.
Protein extraction. W. J. Shibe, Jr. 2,516,531, July 25.
Protein filaments, Production of artificial. J. F. Keggin. 2,504,844, Apr. 18.
Protein hydrolysis and recovery of glutamic acid. P. D. V. Manning. 2,505,129, Apr. 25.
Protein preservative. R. W. Ivett. 2,497,610, Feb. 14.
Protein reaction product preparation. J. P. Danehy. 2,500,453, Mar. 14.
Proteins and preparations thereof, Generated. J. J. Press. 2,519,978, Aug. 22.
Prototypes, Manufacturing. W. J. Scott. 2,508,691, May 23.
Protractoboard. C. C. Brown. 2,532,537, Dec. 5.
Protractor. R. R. Hassell. 2,508,111, May 16.
Protractor, Aircraft control surface rigging. R. C. Hoy. 2,520,934, Sept. 5.
Protractor, Bevel. O. Trefz. 2,498,867, Feb. 28.
Protractor, Dial. H. F. Semrau. 2,495,609, Jan. 24.
Protractor, Ophthalmic lens. E. W. Laisné. 2,518,796, Aug. 15.
Protractor, Solar azimuth. J. T. Roberts. 2,508,838, May 23.
Providing adhesion between surfaces. N. A. De Bruyne. 2,499,134, Feb. 28.
Providing emergency break-in operation in communication systems. L. O. Grondahl and P. N. Bossart. 2,503,727, Apr. 11.
Proving ring. H. C. Sundby. 2,508,975, May 23.
Pruner and like cutting tool. S. C. Caddy. 2,523,610, Sept. 26.
Pseudodiosgenin, Producing. G. Rosenkranz and S. Kaufmann. 2,511,011, June 13.
Pseudo esters of levulinic acid. D. P. Langlois and H. Wolff. 2,493,676, Jan. 3.
Pseudo-kryptogenins from kryptogenins, Production of. S. Kaufmann and G. Rosenkranz. 2,535,073, Dec. 26.
Psychometer, Electric. P. L. Wilhelm and F. D. Burns. 2,535,249, Dec. 26.
Pteridines and preparing same, Substituted. J. M. Smith, Jr. and D. B. Cosulich. 2,512,572, June 20.
Pteridines, Preparing substituted. J. Geraci. 2,501,168, Mar. 21.
Pteridines, Preparing substituted. J. M. Smith, Jr. 2,525,150, Oct. 10.
Pteroic acid and preparing same, Diacylated. D. E. Wolf and K. Folkers. 2,515,483, July 18.
Pteroyldiglutamylglutamic acid and preparation of the same. B. L. Hutchings. 2,500,825, Mar. 14.
Puckering a thermoplastic fabric by heating one side thereof. F. G. Dodge. 2,524,895, Oct. 10.
Pudding compositions and preparing the same, Dry. H. C. Hinz, Jr., G. R. Schermerhorn, Sr., and F. L. Dorn. 2,500,179, Mar. 14.
Puff-finishing machine. W. I. Tattle. 2,518,201, Aug. 8.
Pull apart separable fastener. L. H. Morin. 2,535,504, Dec. 26.
Pulldown device for rotary drilling apparatus. E. L. Alexander. 2,534,213, Dec. 19.
Pull for slide fasteners. N. J. Poux. 2,497,740, Feb. 14.
Pull pointing machine. E. Willett. 2,510,788, June 6.
Puller: *See*—
- Bearing puller.
- Brush puller.
- Hub cap puller.
- Pipe puller.
- Shaft puller.
- Straw line puller.
- Tire strap puller.
- Vacuum tube puller.
- Weed puller.

Puller and replacer, Tire and wheel. G. C. Coleman. 2,517,631, Aug. 8.
Puller, Potato top. T. I. and A. Wiper and G. R. Truskey. 2,528,631, Nov. 7.
Pulling and stretching device. S. A. Tell. 2,511,305, June 13.
Pulling device. A. G. Maasdam. 2,506,029, May 2.
Pulling device. M. E. Tower. 2,503,426, Apr. 11.
Pulling device, Manually supported and self-propelled. F. M. Varney. 2,526,714, Oct. 24.
Pulling machine. W. E. O'Donnel and R. W. Garey. 2,512,370, June 20.
Pulling machine, Pipe. O. R. Smith. 2,501,242, Mar. 21.
Pulling tool. W. J. Felton. 2,524,698, Oct. 3.
Pulley. E. L. Ballard. 2,502,243, Mar. 28.
Pulley. N. J. Collings. 2,507,093, May 9.
Pulley. A. E. Lindner. 2,513,657, July 4.
Pulley assembly, Adjustable belt. G. H. Bogenhagen. 2,495,089, Jan. 17.
Pulley assembly, Clothesline. J. W. Conway. 2,532,998, Dec. 5.
Pulley block. C. R. Pieper. 2,527,651, Oct. 31.
Pulley, Clutch. W. C. Lutz. 2,499,224, Feb. 28.
Pulley construction, Idler. W. R. Thomas. 2,513,599, July 4.
Pulley converter. J. B. Scott. 2,525,563, Oct. 10.
Pulley, Magnetic. K. A. Blind. 2,535,719, Dec. 26.
Pulley, Sheet metal expansible. P. B. Reeves. 2,516,829, July 25.
Pulley, Variable diameter. W. M. Schweickart. 2,495,078, Jan. 17.
Pulley, Variable speed. C. McLear. 2,502,976, Apr. 4.
Pulley, Variable-speed clutch. C. H. Miner. 2,496,061, Jan. 31.
Pulley with threading means. M. McEnary. 2,523,440, Sept. 26.
Pulleys, Making. F. Zatyko. 2,493,053, Jan. 3.

Pulp articles, Manufacturing. M. P. Chaplin. 2,494,743, Jan. 17.
Pulp decoy. A. H. Risch. 2,518,721, Aug. 15.
Pulp digester, Fibrous. F. G. L. Becker. 2,523,642, Sept. 26.
Pulp evaporator. E. H. Bickley. 2,535,777, Dec. 26.
Pulp screen. W. F. Mathewson. 2,525,701, Oct. 10.
Pulpstone. G. N. Jeppson and W. L. Howe. 2,495,656, Jan. 24.
Pulping machine. S. G. Stapley and W. Subart. 2,527,772, Oct. 31.
Pulpit, Scroll. S. Vincent. 2,517,262, Aug. 1.
Pulsator apparatus for milking machines. J. R. Lowry. 2,516,328, July 25.
Pulsator apparatus for milking machines. P. A. Taylor. 2,516,354, July 25.
Pulsator for milking machines. S. H. Sigvard. 2,501,294, Mar. 21.
Pulsator, Milking machine. R. W. Lemm. 2,517,327, Aug. 1.
Pulsator, Milking machine. S. P. Wall. 2,523,795, Sept. 26.
Pulse-actuated circuit. B. M. Oliver. 2,519,278, Aug. 15.
Pulse amplifier. M. L. Sands, O. R. Frisch, and W. C. Elmore. 2,531,164, Nov. 21.
Pulse amplitude discrimination. E. Eberhard. 2,496,909, Feb. 7.
Pulse amplitude regulation. T. C. Hana. 2,509,269, May 30.
Pulse averaging circuit. D. F. Alexander. 2,521,890, Sept. 12.
Pulse code system. A. G. Clavier. 2,520,125, Aug. 29.
Pulse collecting method. J. F. Clark, Jr. 2,515,195, July 18.
Pulse communication system. J. B. Atwood and G. E. Hansell. 2,525,634, Oct. 10.
Pulse communication system. K. Schlesinger. 2,532,338, Dec. 5.
Pulse communication system, Electrical time modulated. D. D. Grieg. 2,513,308, July 4.
Pulse control circuit. E. C. Hartwig. 2,504,834, Apr. 18.
Pulse delay circuit. L. J. Haworth, R. W. Lee, and C. W. Sherwin. 2,512,152, June 20.
Pulse demodulation system, Multiplex time modulated electrical. M. M. Levy. 2,510,987, June 13.
Pulse detector system. W. H. Forster. 2,522,110, Sept. 12.
Pulse distributing system, Multiples. K. Posthumus. 2,508,538, May 23.
Pulse echo detection of moving targets. H. I. Becker. 2,514,924, July 11.
Pulse echo range finding system and impulse generator therefor. R. J. Kemp and D. J. Fewings. 2,497,002, Feb. 7.
Pulse echo system. H. F. Mayer. 2,509,007, May 23.
Pulse-echo system for indicating angles. W. D. Hershberger. 2,506,785, May 9.
Pulse-echo system utilizing an electron buncher tube. J. Rothstein. 2,530,401, Nov. 21.
Pulse-echo testing system. C. W. Schramm. 2,510,299, June 6.
Pulse forming circuit. S. I. Tourshou. 2,499,234, Feb. 28.
Pulse generating circuit. E. W. Anderson and T. J. McDermott. 2,493,379, Jan. 3.
Pulse generating circuit. J. R. Moore. 2,510,129, June 6.
Pulse generator. L. P. Crosman. 2,512,851, June 27.
Pulse generator. R. Proskauer and V. J. Young. 2,499,413, Mar. 7.
Pulse generator. G. Reber. 2,502,343, Mar. 28.
Pulse generator. A. R. Simpson. 2,496,819, Feb. 7.
Pulse generator and starting circuit therefor. W. P. Boothroyd. 2,510,167, June 6.
Pulse height analyzer. M. L. Sands. 2,529,666, Nov. 14.
Pulse identification. J. B. Atwood and G. E. Hansell. 2,531,494, Nov. 28.
Pulse length measurement. J. P. Shanklin. 2,515,968, July 18.
Pulse-modulation system. W. E. Bradley. 2,524,251, Oct. 3.
Pulse modulation system. L. J. Libois. 2,518,341, Aug. 8.
Pulse multiplex receiving system. M. M. Levy. 2,524,708, Oct. 3.
Pulse multiplex receiving system. W. A. Miller. 2,529,564, Nov. 14.
Pulse multiplex system, Time division. W. E. Sutter and T. G. Custin. 2,519,083, Aug. 15.
Pulse producer, Selective number electronic. A. H. Dickinson. 2,514,036, July 4.
Pulse producing apparatus. L. A. Meacham. 2,534,872, Dec. 19.
Pulse radio communication system. G. J. Lehmann. 2,533,269, Dec. 12.
Pulse receiver. W. H. Bliss. 2,524,691, Oct. 3.
Pulse receiver. A. A. Varela. 2,519,419, Aug. 22.
Pulse receiver circuit. A. G. Manke and P. C. Gardiner. 2,507,211, May 9.
Pulse receiving and repeating system, Sensitive gas tube. C. M. Theillaumas. 2,498,723, Feb. 28.
Pulse receiving system, Multichannel. M. M. Levy. 2,517,579, Aug. 8.
Pulse receiving system, Multichannel time modulated. D. D. Grieg and E. Labin. 2,524,789, Oct. 10.
Pulse reception system. D. L. Hings. 2,532,450, Dec. 5.
Pulse reception system, High-speed. D. L. Hings. 2,532,667, Dec. 5.
Pulse repeater, Delayed-action. A. S. Gano. 2,526,551, Oct. 17.
Pulse repeater, Multiplex. J. O. Edson. 2,520,534, Aug. 29.
Pulse responsive circuit. D. H. Ransom. 2,520,170, Aug. 29.
Pulse selective system. W. D. Houghton. 2,532,843, Dec. 5.
Pulse shortening circuit. G. D. Forbes. 2,508,569, May 23.
Pulse skip synchronization of pulse transmission systems. J. G. Kreer, Jr., and E. Peterson. 2,527,638, Oct. 31.
Pulse stretching circuit. C. A. Mizen. 2,519,778, Aug. 22.
Pulse time demodulator system. H. Gallay. 2,521,710, Sept. 12.
Pulse translating circuit. H. Wallman. 2,519,802, Aug. 22.
Pulsing arrangement. J. van der Mark, A. Venis, G. P. Roszbach, and L. Blok. 2,509,998, May 30.
Pulverizer arranged for recirculation and classification of material. R. H. Evans. 2,522,027, Sept. 12.
Pulverizer, Cornstalk. O. A. Hoffman. 2,531,732, Nov. 28.
Pulverizer, Opposed disk rotor type centrifugal. C. F. Paul. 2,502,022, Mar. 28.
Pulverizer, Stalk. R. L. Tostenrud and H. F. Irmiter. 2,527,974, Oct. 31.
Pulverizer, Stone. I. Musselman. 2,509,163, May 23.
Pulverizer with traveling breaker-plate means at each side of the rotor, Reversible-rotor. J. T. Fowler. 2,523,004, Sept. 19.
Pulverizing and grading machine, Rotary. E. M. Nowlin. 2,526,396, Oct. 17.
Pulverizing and mixing apparatus, Automatic. L. G. Whitlock. 2,502,908, Apr. 4.
Pulverizing apparatus. A. Hesse. 2,526,355, Oct. 17.
Pump: *See*—
Accelerating pump.
Aquarium air pump.
Atmospheric pressure pump.
Axial flow pump.
Carburetor accelerating pump.
Cellar-draining pump.
Centrifugal ejector pump.
Centrifugal pump.
Centrifugal turbine pump.
Condensation pump.
Convertible ejector pump.
Crankless pump.
Diametrically cooperating vane pump.
Displacement pump.
Double-action pump.
Electric motor-driven pump.
Electric pump.
Electrically operated pump.
Electromagnetic pump.
Explosion operated pump.
Filter pump.
Floating piston pump.
Fluid injection pump.
Fluid lubricated planetary piston water pump.
Fluid operated hydraulic pump.
Fluid-operated pump.
Fluid pump.
Fuel injection pump.
Fuel pump.
Gear pump.
Gear-tooth rotary pump.
Glandless pump.
Gravity actuated boat pump.
Heat pump.
Helical gear shallow well pump.
Helical pump.
High-pressure pump.
High-speed mercury diffusion pump.
High-vacuum diffusion pump.
Hydraulic jack pump.
Hydraulic pump.
Hydraulically operated pump.
Injection pump.
Internal gear pump.
Internal helical gear pump.
Liquid dispensing pump.
Loose slipper rotary pump.
Lubricant pump.
Magnetic fuel pump.
Mercury pump.
Multiple pump.
Oil dispensing pump.
Oscillating vane rotary pump.
Piston pump.
Plunger pump.
Positive displacement rotary pump.
Reciprocating pump.
Reversible flow rotary pump.
Reversible irrigation pump.
Rotary gear-type metering pump.
Rotary hydraulic pump.
Rotary pump.
Rotary roller pump.
Rotary screw pump.
Rotary vane pump.
Roto-volumetric pump.
Sanitary pump.
Scavenge pump.
Screw pump.
Screw type oil pump.
Sectional casing gear pump.
Self-priming pump.
Single cavity type motor-driven pump.
Sirup dispensing pump.
Sliding vane pump.
Sliding vane rotary pump.
Spray pump.
Turbine pump.
Turboscrew pump.
Two-stage hydraulic pressure pump.
Two-zone pump.
Vacuum pump.
Vacuum rupture operated pump.
Valveless reciprocating pump.
Vane type pump.
Vapor stream vacuum pump.
Variable and reversible flow pump.
Variable capacity lubricating pump.
Variable capacity pump.
Variable capacity reciprocating pump.
Variable delivery gear pump.
Variable delivery pump.
Variable displacement pump.
Variable stroke pump.
Variable stroke radial pump.
Variable volume rotary vane pump.
Well pump.

Pump. F. S. Abbott. 2,524,645, Oct. 3.
Pump. W. E. Armstrong. 2,496,688, Feb. 7.
Pump. J. E. Bevins. 2,505,271, Apr. 25.
Pump. H. A. Boorse and G. F. Boeker. 2,528,415, Oct. 31.
Pump. F. C. Byram. 2,532,135, Nov. 28.
Pump. L. F. Clerc. 2,498,029, Feb. 21.
Pump. G. C. Graham. 2,503,257, Apr. 11.
Pump. W. R. Eames. 2,531,808, Nov. 28.
Pump. C. A. Erickson. 2,500,310, Mar. 14.
Pump. C. A. Erickson. 2,518,298, Aug. 8.
Pump. R. C. Ford. 2,519,642, Aug. 22.
Pump. R. H. Frederick. 2,500,812, Mar. 14.
Pump. J. N. Hinckley. 2,533,252, Dec. 12.
Pump. D. L. Hopper. 2,499,645, Mar. 7.
Pump. R. R. Hull and H. E. Coles. 2,518,621, Aug. 15.
Pump. H. R. Humphreys. 2,516,388, July 25.
Pump. C. Knuth. 2,536,005, Dec. 26.
Pump. L. E. Meisner. 2,497,179, Feb. 14.
Pump. J. N. Morris and R. L. Kent. 2,523,964, Sept. 26.
Pump. G. A. Patterson. 2,524,269, Oct. 3.
Pump. W. F. Phillips. 2,522,633, Sept. 19.
Pump. H. E. Rittenhouse and S. E. Gilmore. 2,493,929, Jan. 10.
Pump. J. M. Roth and L. L. Aspelin. 2,525,619, Oct. 10.
Pump. C. S. Sorensen. 2,506,974, May 9.
Pump. D. R. Spots. 2,521,420, Sept. 5.
Pump. W. H. Stewart. 2,528,210, Oct. 31.
Pump. C. B. Wade. 2,531,997, Nov. 28.
Pump. D. C. Walmsley. 2,531,794, Nov. 28.
Pump. C. J. Welling. 2,517,952, Aug. 8.
Pump. A. H. Winkler. 2,513,833, July 4.
Pump and compressor, Reciprocating. A. A. Connor. 2,515,033, July 11.
Pump and control system for the same to control the pump in both a high-pressure phase and a low-pressure phase, Variable displacement piston. C. S. Sorensen. 2,509,256, May 30.
Pump and emergency means insuring fuel feed upon pump failure, Rotary fuel metering. J. A. Bolt and F. P. Jackson. 2,531,664, Nov. 28.
Pump and fan assembly, Engine cooling. H. J. Findley. 2,506,547, May 2.
Pump and motor, Hydraulic. F. E. Staats. 2,518,830, Aug. 15.
Pump and motor hydraulic transmission drive, Rotary. J. M. Stockard. 2,511,882, June 20.
Pump and motor transmission with motor displacement responsive to motor speed and fluid pressure, Hydraulic. L. E. Tomlinson. 2,518,578, Aug. 15.
Pump and pressure-regulating unit. A. von Wangenheim. 2,497,247, Feb. 14.
Pump and system, Hydraulic. W. R. Tucker. 2,504,606, Apr. 18.
Pump assembly. H. E. Adams. 2,500,226, Mar. 14.
Pump assembly. H. E. Adams. 2,500,228, Mar. 14.
Pump assembly, Hydraulic. R. Amsler. 2,493,280, Jan. 3.
Pump barrel. D. T. Harbison. 2,499,951, Mar. 7.
Pump combination. E. R. Halpin. 2,532,163, Nov. 28.
Pump construction. G. S. Perkins. 2,510,317, June 6.
Pump construction, Vane. W. G. Finlayson, H. H. Brown, and J. J. McGinnis. 2,511,573, June 13.
Pump control, Fuel injection. L. E. Johnson. 2,521,919, Sept. 12.
Pump control means, Fuel. C. H. Schowalter. 2,520,856, Aug. 29.
Pump control system for suction dredges. D. L. Hofer. 2,516,386, July 25.
Pump device. D. Johnston. 2,508,609, May 23.
Pump drive for steam turbines, Oil. K. MacDonald. 2,497,616, Feb. 14.
Pump especially intended for moving liquids, Axial cylinder. L. Widmer. 2,534,153, Dec. 12.
Pump for centralized lubricating systems. E. W. Davis. 2,500,524, Mar. 14.
Pump for circulating liquids under vacuum, Wide inlet rotary. E. S. Perry. 2,499,158, Feb. 28.
Pump for cutting oil. J. Sunnen. 2,493,467, Jan. 3.
Pump for dispensing cans. S. H. Smith. 2,496,821, Feb. 7.
Pump for engines, Fuel. J. F. Male. 2,513,883, July 4.
Pump for heterogeneous mixtures. E. H. L. Johannes. 2,511,637, June 13.
Pump for high-altitude aircraft, Rotary. I. I. Pinkel. 2,495,760, Jan. 31.
Pump for metering and extruding hot organic thermoplastics, Gear. F. E. Dulmage and G. W. Cheney. 2,515,201, July 18.
Pump for pressure lubrication purposes, Gear. B. P. Schmitt. 2,531,861, Nov. 28.
Pump for propeller pitch changing mechanisms, Hydraulic. J. E. Anderson. 2,494,606, Jan. 17.
Pump for raising petroleum and other liquids from deep wells. J. A. Gerhold. 2,527,184, Oct. 24.
Pump for steam generators, Circulating. I. J. Karassik. 2,495,525, Jan. 24.
Pump for supplying liquid fuel to internal-combustion engines, Reciprocatory. W. E. W. Nicolls. 2,506,235, May 2.
Pump for tractor-drawn trailer tanks. H. R. Zeigler. 2,506,911, May 9.
Pump for washing machines and the like. C. Vonk. 2,526,982, Oct. 24.
Pump-gear and piston combination with unloading. J. A. Lauck. 2,512,025, June 20.
Pump—gear type with unloading. J. A. Lauck. 2,505,191, Apr. 25.
Pump handle. G. E. Peters and L. E. Russell. 2,497,907, Feb. 21.
Pump housing. R. P. McCulloch. 2,519,588, Aug. 22.
Pump housing for mounting moving sign mechanisms, Gasoline. L. Marchese. 2,520,847, Aug. 29.
Pump impeller. D. E. Jack, J. M. Williamson and R. C. Schenck. 2,519,473, Aug. 22.
Pump installation, Well. C. C. Williams. 2,529,062, Nov. 7.
Pump jack. D. R. Scholes. 2,507,352, May 9.
Pump jack. A. E., and A. Wilshusen. 2,520,187, Aug. 29.
Pump liner, Sleeve type slush. R. Kirkpatrick and H. B. Young. 2,530,246, Nov. 14.
Pump means. C. F. Degner. 2,523,901, Sept. 26.
Pump mechanism, Chemical feed. L. R. Mannheim. 2,494,344, Jan. 10.
Pump operating unit. P. E. Noll, C. W. Crawford, T. D. Aller, and A. R. Rethey. 2,504,218, Apr. 18.
Pump operator. M. G. Rabon. 2,521,871, Sept. 12.
Pump or engine, Double piston valveless. W. F. Crenshaw. 2,495,445, Jan. 24.
Pump or hydraulic motor, Radial. J. C. Naylor and J. N. Fieldhouse. 2,525,498, Oct. 10.
Pump or motor. W. H. Brown. 2,513,446, July 4.
Pump or motor for power transmissions. F. T. Harrington. 2,530,242, Nov. 14.
Pump or motor, Hydraulic. J. Greenhut. 2,520,632, Aug. 29.
Pump or motor, Rotary. W. H. Brown. 2,513,447, July 4.
Pump or motor, Rotary. F. A. Quiroz. 2,510,903, June 6.
Pump or motor, Variable capacity hydraulic rotary. W. W. Tingle. 2,510,609, June 6.
Pump piston. J. C. Francis, Jr. 2,526,465, Oct. 17.
Pump piston. V. R. Mattingly and G. C. Mallory. 2,499,662, Mar. 7.
Pump plungers and making such plungers. D. T. Harbison. 2,517,307, Aug. 1.
Pump, selector valve, and strainer, Combined fuel. C. V. Lassmann and N. Naidenoff. 2,494,884, Jan. 17.
Pump shutoff mechanism. C. P. Griffith. 2,496,467, Feb. 7.
Pump system and control. G. C. Davis. 2,495,571, Jan. 24.
Pump system, Heat. P. Sporn and E. R. Ambrose. 2,513,373, July 4.
Pump throwout device. M. T. Hedquist. 2,528,653, Nov. 7.
Pump throwout device. O. R. Schoenrock. 2,528,669, Nov. 7.
Pump unit, Hydraulic. E. Orshansky, Jr. 2,504,041, Apr. 11.
Pump valve. C. P. Winchester. 2,510,489, June 6.
Pump with adjustable stroke indicator and stop, Measuring. H. A. White. 2,521,433, Sept. 5.
Pump with measuring trap, Water treatment. V. B. Coldsnow. 2,530,682, Nov. 21.
Pump with motor, Nutating axis. J. R. Stephenson. 2,509,790, May 30.
Pumping apparatus. W. C. Brooks. 2,518,597, Aug. 15.
Pumping apparatus. V. J. Mill. 2,504,140, Apr. 18.
Pumping apparatus for sumps. R. H. Thomas. 2,531,752, Nov. 28.
Pumping apparatus for very cold liquids. R. H. Goddard. 2,496,711, Feb. 7.
Pumping apparatus, Portable. A. P. Osius. 2,520,559, Aug. 29.
Pumping assembly, Oil well. P. E. Lehr. 2,519,142, Aug. 15.
Pumping control system. H. B. Hoefer. 2,527,728, Oct. 31.
Pumping corrosive mediums, Method and apparatus for. H. S. Brown and H. H. Hubble. 2,502,074, Mar. 28.
Pumping device with hydraulic lift, Fluid-operated. C. J. Coberly. 2,499,356, Mar. 7.
Pumping machine, Tube flexing. E. R. Corneil. 2,534,855, Dec. 19.
Pumping mechanism. C. F. Erikson. 2,502,316, Mar. 28.
Pumping mechanism. C. F. Erikson. 2,517,645, Aug. 8.
Pumping mechanism. A. A. Quimper. 2,506,434, May 2.
Pumping system. C. Kroll. 2,535,583, Dec. 26.
Pumping system. J. W. McConaghy. 2,533,028, Dec. 5.
Pumping system for milk processors. R. H. Steinberg and H. Cohen. 2,512,045, June 20.
Pumping system with control valve, Two-zone. C. J. Coberly. 2,499,357, Mar. 7.
Pumping system with gas anchor, Two-zone. C. J. Coberly. 2,499,849, Mar. 7.
Pumping unit. H. Hornschuch. 2,514,865, July 11.
Pumping unit. C. F. Moseley. 2,523,444, Sept. 26.
Pumping unit. A. P. Ruth. 2,513,211, June 27.
Pumping unit. R. P. Vail. 2,515,360, July 18.
Pumping unit, Fuel. C. H. Rystrom. 2,512,072, June 20.
Pumping unit, Hydraulic. O. L. Garretson. 2,528,131, Oct. 31.
Pumping unit, Liquid. H. E. Adams. 2,500,227, Mar. 14.
Pumping viscous fluids. R. H. Zinszer. 2,530,073, Nov. 21.
Pumping viscous petroleum. A. F. Clark and A. Shapiro. 2,533,878, Dec. 12.

Pumps for impure liquid, Main and auxiliary. G. A. Ungar. 2,500,719, Mar. 14.
Punch and stripper, Hydraulic. O. Mueller. 2,534,292, Dec. 19.
Punchboard. P. S. Doumitt. 2,531,674, Nov. 28.
Punchboard holder. G. E. Engstrom. 2,511,053, June 13.
Punch, Paper. J. A. Yerkes. 2,524,582–3, Oct. 3.
Punch, Power. C. H. Benoit. 2,509,956, May 30.
Punch press. E. F. McClung. 2,514,659, July 11.
Punch press set ups. W. D. Burgess. 2,504,642, Apr. 18.
Punch remover. N. M. Marsilius. 2,509,572, May 30.
Punch, Self-cleaning. R. L. Goemaere. 2,526,741, Oct. 24.
Punching and die mechanism for the production of mica washers. R. A. Carrier, Jr., and D. C. Davis. 2,527,091, Oct. 24.
Punching and drawing press. O. F. A., P. A. M., and A. G. B. A. Biginelli. 2,531,663, Nov. 28.
Punching and eyeleting machine. G. Hazelton, W. A. Barker, and G. W. Gibson. 2,518,545, Aug. 15.
Punching circuit. E. Rose. 2,532,331, Dec. 5.
Punching machine. R. L. Houston and R. E. Smith. 2,521,372, Sept. 5.
Punching machine, Cap. B. Lev. 2,501,685, Mar. 28.
Punching machine, Card. W. T. Gollwitzer and J. H. Gruver. 2,521,118, Sept. 5.
Punching machine, Record controlled. R. B. Johnson. 2,502,960, Apr. 4.
Punching machine, Tape. S. M. Taylor. 2,507,618, May 16.
Punching out metal. C. Hollerith. 2,508,758, May 23.
Puppet for stop-motion technique. L. Bunin. 2,520,491, Aug. 29.
Purge protector. B. A. Hower. 2,498,922, Feb. 28.
Purging of hydrocarbon-containing chambers. H. H. Lester. 2,497,946, Feb. 21.
Purification and dehydration of gases. W. F. Chapin. 2,518,752, Aug. 15.
Purification of abietic acid. A. Pollak and H. P. Johnston. 2,510,755, June 6.
Purification of alcohols. D. M. Kimble. 2,497,997, Feb. 21.
Purification of alkyl and substituted alkyl phosphates. E. P. Plueddemann. 2,494,310, Jan. 10.
Purification of aluminum. A. F. Johnson. 2,512,157, June 20.
Purification of aluminum. D. H. Kelly and R. V. Townend. 2,511,775, June 13.
Purification of anhydrous hydrogen fluoride. W. J. Shenk, Jr., and G. R. Pellon. 2,526,585, Oct. 17.
Purification of antibiotics by ion exchange procedures. R. W. van Dolah, G. L. Christenson, and R. S. Shelton. 2,528,022, Oct. 31.
Purification of bicyclic acid $C_{10}H_{16}O_2$. E. L. Pelton. 2,517,709, Aug. 8.
Purification of branched chain paraffins. A. E. Hirschler. 2,532,668, Dec. 5.
Purification of brasses and bronzes. W. F. Tschappat. 2,516,536, July 25.
Purification of carbonic acid esters. L. E. Bohl. 2,517,965, Aug. 8.
Purification of certain alkaline earth halides and crystal products thereof. D. C. Stockbarger and A. A. Blanchard. 2,498,186, Feb. 21.
Purification of crude acrolein by rectified absorption. C. L. Dunn. 2,514,968, July 11.
Purification of crude aliphatic alcohols. R. W. Egberts and J. Hooton. 2,510,806, June 6.
Purification of crude glycerine. H. S. Halbedel. 2,505,735, Apr. 25.
Purification of cyclopentanone. A. Turk. 2,513,534, July 4.
Purification of ether. H. M. Guinot. 2,497,601, Feb. 14.
Purification of ethylene. F. S. Chance, Jr. 2,497,296, Feb. 14.
Purification of fatty acid esters. J. T. Dunn. 2,524,899, Oct. 10.
Purification of hydrogen. A. S. Newton. 2,533,138, Dec. 5.
Purification of hydrogen peroxide. W. S. Wood, W. R. Holmes, and H. Whittaker. 2,520,870, Aug. 29.
Purification of lithium halide residue. T. R. P. Gibb, Jr. 2,519,644, Aug. 22.
Purification of lower olefins. A. W. Francis. 2,498,204, Feb. 21.
Purification of manganese solutions. J. H. Jacobs. 2,495,456, Jan. 24.
Purification of methyl anthranilate. M. W. Long, Jr. 2,517,691, Aug. 8.
Purification of nicotinamide. J. R. Berg. 2,496,114, Jan. 31.
Purification of oil. M. Mattikow. 2,525,702, Oct. 10.
Purification of oils. A. C. McKinnis. 2,518,353, Aug. 8.
Purification of petroleum phenols. A. J. Shmidl. 2,523,154, Sept. 19.
Purification of petroleum sulfonates. C. A. Cohen. 2,497,152, Feb. 14.
Purification of phenols. H. G. Schneider, C. F. Van Gilder, and T. J. Peters, Jr. 2,493,781, Jan. 10.
Purification of phenols. C. F. Van Gilder and T. J. Peters, Jr. 2,499,236, Feb. 28.
Purification of phosphor components. E. C. Payne. 2,535,986, Dec. 26.
Purification of phthalic anhydride. R. Marotta. 2,511,861 June 20.
Purification of phthalic anhydride. R. Marotta and R. D. Swisher. 2,512,283, June 20.
Purification of secondary lower alkyl amines. D. B. Luten, Jr. and A. De Benedictis. 2,527,017, Oct. 24.
Purification of siliceous minerals. L. C. Swallen. 2,504,357, Apr. 18.
Purification of sugar solutions. F. N. Rawlings. 2,503,767, Apr. 11.
Purification of sulfamethazine. H. H. Richmond. 2,521,097, Sept. 5.
Purification of thionyl chloride. W. E. Bissinger. 2,529,671, Nov. 14.
Purification of titanium halides. D. G. Nicholson. 2,512,807, June 27.
Purification of titanium halides. H. H. Schaumann. 2,508,775, May 23.
Purification of titanium halides. H. H. Schaumann. 2,530,735, Nov. 21.
Purification process. S. A. Ballard and B. P. Geyer. 2,533,754, Dec. 12.
Purification treatment. J. W. Hood. 2,529,295, Nov. 7.
Purifier, Air. H. L. Gilmore. 2,512,930, June 27.
Purifying aluminum by distillation of mixtures thereof with other metals. H. Loevenstein. 2,513,339, July 4.
Purifying and conditioning apparatus, Water. J. H. Krieck. 2,529,398, Nov. 7.
Purifying beryllium oxide. J. G. Malm and C. A. Hutchison, Jr. 2,531,143, Nov. 21.
Purifying crude acetophenone. F. Porter and J. N. Cosby. 2,507,048, May 9.
Purifying device, Atmosphere. E. Cohn. 2,535,565, Dec. 26.
Purifying hydrocarbon liquids. G. P. Ham and R. B. Barnes. 2,534,907, Dec. 19.
Purifying indium-containing material. M. F. W. Heberlein and H. Udin. 2,526,354, Oct. 17.
Purifying inert gases. A. S. Newton. 2,521,937, Sept. 12.
Purifying method and apparatus, Gas. D. B. Crawford. 2,496,380, Feb. 7.
Purifying molten iron. J. F. Jordan. 2,530,368, Nov. 21.
Purifying nicotinamide. G. H. Carlson. 2,511,244, June 13.
Purifying penicillin solutions. W. L. Keko and J. L. Martin. 2,530,883, Nov. 21.
Purifying propargyl alcohol. F. Fahnoe. 2,527,358, Oct. 24.
Purifying rutin. J. F. Couch, J. Naghski, and W. L. Porter. 2,520,127, Aug. 29.
Purifying salts of sulfonic acids. W. A. Proell and B. L. Hill. 2,502,619, Apr. 4.
Purifying sugar juice, Method of. L. A. Paley. 2,522,797, Sept. 19.
Purifying sulfonic acids. P. R. Fields. 2,502,618, Apr. 4.
Purifying sulfonic acids. W. A. Proell. 2,518,639, Aug. 15.
Purifying sulfurized hydrocarbon products. D. T. Rogers. 2,497,138, Feb. 14.
Purse and billfold, Combination. S. Hack. 2,519,456, Aug. 22.
Purse and billfold, Combination. W. H. St. Thomas. 2,512,589, June 20.
Purse and billfold, Combined. W. H. St. Thomas. 2,531,306, Nov. 21.
Purse, Business. D. Di Mezza. 2,527,059, Oct. 24.
Purse, Coin. N. S. Waterman. 2,497,643, Feb. 14.
Purse light. W. H. Peterson and B. E. Jones. 2,534,179, Dec. 12.
Purse with decorative panel inserts, Lady's. W. G. Waggoner. 2,522,549, Sept. 19.
Push and pull door handle. K. A. Williams. 2,507,289, May 9.
Push button control device. R. and M. Demeulenaere. 2,512,243, June 20.
Push-button device, Electrical. W. Hauerslev. 2,503,669, Apr. 11.
Push-button lock. B. Egor. 2,499,948, Mar. 7.
Push-button switch. R. A. Becwar. 2,506,987, May 9.
Pushbuttons for radio receiver tuners, Selectively illuminated. J. L. Whittaker. 2,532,212, Nov. 28.
Pushcart. C. Truran. 2,504,907, Apr. 18.
Pushcart with removable receptacle. J. E. Morgan. 2,507,732, May 16.
Push on closure cap. J. W. Seigh. 2,529,424, Nov. 7.
Push plate and letter drop for full-vision doors, Combined. L. M. Sanders. 2,531,703, Nov. 28.
Pusher W. P. Gallen. 2,513,557, July 4.
Pusher. S. B. Martin. 2,493,680, Jan. 3.
Pusher for discharge ends of chain-and-skid conveyers, Reciprocating. R. R. Thomas. 2,525,189, Oct. 10.
Pusher for industrial trucks, Load. J. T. Crawford. 2,496,039, Jan. 31.
Pusher mechanism for floating tank roof seals. J. H. Wiggins. 2,522,245, Sept. 12.
Pushing machine. O. Macumber. 2,519,680, Aug. 22.
Putlog supporting clip. E. B. Christoffersen. 2,495,408, Jan. 24.
Putting inverters out of and into function. U. Lamm. 2,534,036, Dec. 12.

Putting mercury in evacuated tubes. J. Freeman. 2,520,278, Aug. 29.
Putty softening means. R. Martines. 2,526,249, Oct. 17.
Puzzle. C. M. Fly. 2,509,340, May 30.
Puzzle. J. H. Palin. 2,516,410, July 25.
Puzzle. D. M. Warren. 2,529,321, Nov. 7.
Puzzle, Profile building. E. Raczkowski. 2,493,697, Jan. 3.
Pyrans, Production of substituted. J. G. M. Bremner and D. G. Jones. 2,504,797, Apr. 18.
Pyrans, Substituted. B. P. Geyer and R. H. Mortimer. 2,514,156, July 4.
Pyrazines, Preparing. R. G. Jones. 2,520,088, Aug. 22.
Pyrazoles, Production of. J. W. Copenhaver. 2,515,160, July 11.
Pyridine and piperidine compounds and making same. M. Hartmann and L. Panizzon. 2,507,631, May 16.
Pyridine bases, Synthesis of. C. W. Smith and S. A. Ballard. 2,528,978, Nov. 7.
Pyridine carboxylic acids. Preparation of. F. Porter, M. Bumpus, and J. N. Cosby. 2,513,251, June 27.
Pyridine-carboxylic acids, Production of. W. F. Engel and H. Hoog. 2,515,593, July 18.
Pyridine derivative, Production of. J. E. Mahan. 2,512,660. June 27.
Pyridine derivatives, Production of. J. E. Mahan. 2,534,285, Dec. 19.
Pyridinium compounds. F. E. Cislak and L. H. Sutherland. 2,512,789, June 27.
Pyridinium derivatives of phenoxyalkanol esters. M. De Groote and B. Keiser. 2,517,093, Aug. 1.
Pyridinium esters. M. De Groote and B. Keiser. 2,505,948, May 2.
Pyridone derivatives. W. F. Bruce. 2,532,055, Nov. 28.
Pyridones, Substituted. H. W. Coover and N. J. Bowman. 2,523,612, Sept. 26.
Pyridoxine hydrochloride, Preparing. M. E. Hultquist and R. P. Germann. 2,520,038, Aug. 22.
Pyridylalkyl esters of aromatic substituted acetic acids. R. R. Burtner and J. M. Brown. 2,529,865, Nov. 14.
Pyridylethyl sulfonic acids. F. E. Cislak. 2,508,904, May 23.
Pyridyl-3-carbinol, Manufacture of. A. Cohen. 2,520,037, Aug. 22.
Pyrimidines and preparation of the same, Substituted. M. E. Hultquist and Y. Subbarow. 2,535,635, Dec. 26.
Pyrimidines and pyridines, Preparation of. J. C. Sauer and W. K. Wilkinson. 2,524,479, Oct. 3.
Pyrimidylmercapto-carboxylic acids and derivatives thereof. J. Druey. 2,530,570, Nov. 21.
Pyrogen removal from streptomycin salts. E. E. Howe and M. Tishler. 2,532,403, Dec. 5.
Pyrolysis of C-acetoxy aliphatic amides to acrylamides. W. P. Ratchford and C. H. Fisher. 2,494,583, Jan. 17.
Pyrolytic conversion of hydrocarbons. R. B. Smith. 2,517,139–41, Aug. 1.
Pyrometer, Optical. G. Bouchet. 2,494,607, Jan. 17.
Pyrometer, Radiation. A. A. Markson. 2,497,783, Feb. 14.
Pyrophoric elements, Making. J. Wulff. 2,528,406, Oct. 31.
Pyrophoric ignition. C. Chilowsky. 2,503,472, Apr. 11.
Pyrosulfuryl chloride, Production of. M. Sveda. 2,530,410, Nov. 21.
Pyrotechnic device. L. F. Fieser and W. F. Van Loenen. 2,530,454, Nov. 21.
Pyroxite compositions. H. W. Goddin. 2,510,971, June 13.
Pyrrocoline polymethinecyanine dyes. R. H. Sprague and L. G. S. Brooker. 2,511,222, June 13.
Pyrrole dimethinecyanine dyes. R. H. Sprague and L. G. S. Brooker. 2,515,905, July 18.
Pyrrole dimethinecyanine dyes. E. Van Lare and L. G. S. Brooker. 2,515,912, July 18.
Pyrrolidine, Production of. C. A. Bordner and C. G. Kamin. 2,525,584, Oct. 10.
Pyrrolidylalkylamino chloroquinoline compound. R. H. Reitsema. 2,526,417, Oct. 17.
Pyrrolidylethyl carbazole compounds. J. B. Wright. 2,528,939, Nov. 7.
Pyrrolidylethyl indole compounds. J. B. Wright. 2,528,940, Nov. 7.
Pyrrolocyanine dyes containing a carboxyalkyl or sulfoalkyl group. R. H. Sprague. 2,503,775, Apr. 11.
Quadding control. G. Miller. 2,510,709, June 6.
Quaternary ammonium derivatives from halomethylated polymers of 3,5-dimethylphenyl ethers. P. L. de Benneville and L. H. Bock. 2,499,215, Feb. 28.
Quaternary ammonium textile treatment agents and application thereof. W. Baird, T. Barr, and A. Lowe. 2,518,266, Aug. 8.
Quaternary compounds, and manufacture and use thereof as textile treating agents. W. Baird, T. Barr, E. S. Lane, and A. Lowe. 2,518,267, Aug. 8.
Quenching press. O. F. Bauer. 2,494,984, Jan. 17.
Quick-acting slidable jaw wrench. W. Gordon. 2,502,407, Mar. 28.
Quick-acting wrench. J. A. Riordan. 2,499,609, Mar. 7.
Quick action coupling. P. Brekke. 2,511,396, June 13.
Quick adjusting wrench. V. H. Heyn. 2,499,644, Mar. 7.
Quick detachable battery connector. V. E. Cacciottl. 2,533,763, Dec. 12.
Quick detachable connector. B. Fox. 2,502,253, Mar. 28.
Quick-detachable fluid line connector. M. B. Farish, Jr., and J. O. Cox, Jr. 2,525,879, Oct. 17.
Quick detachable latching electrical connector. J. S. Hellen. 2,523,905, Sept. 26.
Quick detachable swivel joint. G. M. Bagnard. 2,518,443, Aug. 15.
Quick-disconnect duct joint. A. M. Kellam. 2,532,773, Dec. 5.
Quick-driving glazier's point. E. Weissman. 2,532,797, Dec. 5.
Quick-freeze apparatus. R. M. Magnuson. 2,532,633, Dec. 5.
Quick-freeze, quick-thaw device for foodstuffs. W. J. Mead. 2,507,862, May 16.
Quick freezing. J. Lomholdt-Pedersen. 2,529,959, Nov. 14.
Quick-freezing. A. I. McFarlan. 2,502,527, Apr. 4.
Quick operating valve. E. Zurcher. 2,515,159, July 11.
Quick releasing safety crane hook. H. H. Gilbert. 2,509,225, May 30.
Quick reversing electric motor. W. S. Wiseman. 2,509,898, May 30.
Quinazoline derivatives and making same. E. Moergeli, P. Sutter, and W. Kern. 2,530,025, Nov. 14.
Quinoline derivatives. F. H. S. Curd, J. K. Landquist, C. G. Raison, and F. L. Rose. 2,497,347, Feb. 14.
Quinoline derivatives having antimalarial properties. R. E. Lutz, J. B. Koepfli, and E. R. Buchman. 2,502,264, Mar. 28.
Quinolyl sulfonamido compounds. M. Levitz. 2,519,484, Aug. 22.
Quinoxaline, Production of. M. N. Dvornikoff. 2,521,287, Sept. 5.
Quiz device. R. E. Appel. 2,497,200, Feb. 14.
Quoin with expansion indicating means, Printer's. J. E. Lee and F. Barney. 2,501,949, Mar. 28.
Quoit. D. G. McAfee. 2,506,932, May 9.
Rabbit feeder. R. A. Grindstaff. 2,505,396, Apr. 25.
Raceway, Oscillatable and removable. S. L. Gookin. 2,499,492, Mar. 7.
Raceway surfaces and the like, Inspection of. T. R. Welch. 2,529,360, Nov. 7.
Racing apparatus, Miniature. H. V. Hall. 2,516,315, July 25.
Racing apparatus, Simulated. M. Tobin and F. J. Rogers. 2,530,555, Nov. 21.
Racing device, Bicycle type. A. Declercq. 2,504,007, Apr. 11.
Rack: *See*—

Adjustable display rack.
Adjustable hay feed rack.
Adjustable pipe rack.
Ampoule holding rack.
Automobile rack.
Bag holding and dispensing rack.
Barrel rack.
Belt rack.
Bicycle carrier rack.
Cable testing lead rack.
Circular tie rack.
Clothes supporting rack.
Collapsible floral rack.
Combined sink and towel rack.
Display rack.
Draftsman's instrument rack.
Electroplating rack.
Film processing rack.
Filter rack.
Foldable rack.
Folding dish-drying rack.
Garment rack.
Iron storing rack.
Laundry drying rack.
Laundry rack.
Litter rack.
Merchandise display rack.
Multiple tray supporting rack.
Necktie rack.
Newspaper rack.
Oven rack.
Padding rack.
Phonograph record rack.
Pipe rack.
Plating rack.
Refrigerator display rack.
Removable sorting rack.
Roast rack.
Roasting rack.
Rotary display rack.
Scuff plate luggage rack.
Shoe rack.
Space miser clothes rack.
Staging rack.
Tie rack.
Toothbrush rack.
Utility rack.
Vegetable display rack.
Warming rack.

Rack. B. H. Kennedy. 2,513,806, July 4.
Rack. E. E. Longfellow. 2,518,155, Aug. 8.
Rack and chalk board, Combination chart. D. J. Aiken. 2,499,240, Feb. 28.
Rack and ejector means for phonograph records. M. Swibel. 2,495,611, Jan. 24.
Rack and gutter construction, Refrigerator car floor. E. S. Cisco. 2,509,961, May 30.
Rack and key-operated tube dispenser, Utility toilet. A. E. Jordan. 2,517,321, Aug. 1.
Rack and making it, Tie. G. Carlson. 2,507,886, May 16.
Rack and selector, Phonographic record. H. H. Spillman. 2,535,609, Dec. 26.
Rack and storage container, Combination necktie. B. B. Manaster. 2,511,280, June 13.
Rack for cans. T. N. Elliott. 2,513,630, July 4.
Rack for drawers, Article. G. L. C. Earle. 2,498,402, Feb. 21.
Rack for firearms and the like, Automobile supporting. E. M. Campbell. 2,535,564, Dec. 26.
Rack for in- and outdoor use. E. Bocchino. 2,502,818, Apr. 4.
Rack for infants, Bathing. V. E. Boyington. 2,535,259, Dec. 26.
Rack for panels, Display. F. E. Thomas. 2,532,965, Dec. 5.

Rack for papers, Storage. D. D. Price. 2,521,126, Sept. 5.
Rack for phonograph records. C. L. Hinsdale. 2,499,220, Feb. 28.
Rack for processing tanks. R. J. Magill. 2,519,682, Aug. 22.
Rack for roasting fowl. A. Weissbach. 2,504,237, Apr. 18.
Rack for roll-ball game equipment, Carrying. F. M. Heath. 2,520,803, Aug. 29.
Rack for smoking pipes. H. M. Wexberg and D. R. Goodman. 2,522,477, Sept. 12.
Rack for storing and transporting hook equipped clothes hangers. A. Friedman. 2,530,609, Nov. 21.
Rack for sucker rods, Floor. J. W. Brown. 2,504,637, Apr. 18.
Rack for supporting flat metal sheets in electroplating operations. J. W. Jasper. 2,533,464, Dec. 12.
Rack for toasting bread. T. E. Phares. 2,531,462, Nov. 28.
Rack for use in bathing infants, Support. C. F. Bashaw. 2,507,848, May 16.
Rack for vehicles, Apparel. E. W. Sturk. 2,494,318, Jan. 10.
Rack guide and pinion assembly. M. Meyers. 2,509,161, May 23.
Rack structure. O. L. Fluharty. 2,512,203, June 20.
Rack structure, Door operated oven. J. K., D. K., and R. L. Beynon. 2,525,201, Oct. 10.
Rack structure for glaziers' vehicles. L. Kraft. 2,518,624, Aug. 15.
Racquet, Lacrosse. F. C. Jay. 2,508,519, May 23.
Radar antenna driving mechanism. C. F. Mattke. 2,530,890, Nov. 21.
Radar direction and range indicating apparatus. J. R. Wilkerson. 2,512,703, June 27.
Radar distance and altitude indicator. M. Wallace. 2,501,109, Mar. 21.
Radar marker circuit. R. R. Darden, Jr., and M. F. Kolodziej. 2,517,635, Aug. 8.
Radar navigational training equipment. K. W. Nightenhelser. 2,517,591, Aug. 8.
Radar receiver automatic gain control circuit. E. K. Stodola. 2,532,347, Dec. 5.
Radar scanner antenna feed. T. I. Moseley. 2,505,424, Apr. 25.
Radar system. I. Wolff. 2,525,328, Oct. 10.
Radar system, Echo-triggered. W. E. Bradley. 2,495,690, Jan. 31.
Radar system for detecting moving objects, Pulse. C. W. Earp. 2,517,549, Aug. 8.
Radar system for indicating moving objects. H. W. Leverenz. 2,530,828, Nov. 21.
Radar system of superheterodyne type with successive intermediate frequency signal conversions, Frequency modulation. W. L. Carlson. 2,518,864, Aug. 15.
Radar system providing plan position indicator and elevation views. I. Wolff. 2,518,968, Aug. 15.
Radar system, Short-range continuous wave. W. van B. Roberts. 2,516,343, July 25.
Radar target distance indicator. R. P. Roetter. 2,521,804, Sept. 12.
Radar test-equipment. D. W. Levenson. 2,516,060, July 18.
Radar training device. W. F. Rust and D. G. Inman. 2,505,793, May 2.
Radar warning system. E. M. Williams. 2,522,551, Sept. 19.
Radial and thrust bearing, Flexibly mounted combined. O. N. Bryant. 2,524,693, Oct. 3.
Radial bearing. E. H. Sherbondy. 2,498,011, Feb. 21.
Radial clearance gauge. F. E. Ericson and G. E. Northrop, Jr. 2,525,068, Oct. 10.
Radiant and air heating system, Combined. E. A. Russell and F. B. Rutherford. 2,534,148, Dec. 12.
Radiant cell gas burner. A. Stadler. 2,511,380, June 13.
Radiant energy activation. S. Krasnow and L. F. Curtiss. 2,495,736, Jan. 31.
Radiant energy device, Electric. L. G. Leighton. 2,523,033, Sept. 19.
Radiant energy method and apparatus for measuring the velocity of moving bodies. A. W. Storm and G. Mak. 2,524,610, Oct. 3.
Radiant energy receiving device. C. C. Larson., 2,520,152, Aug. 29.
Radiant fan heater. D. C. Spooner, Jr. 2,523,787, Sept. 26.
Radiant gas burner. S. E. Richeson. 2,504,451, Apr. 18.
Radiant heater for preventing frost damage to plant life. A. W. Farrall. 2,522,935, Sept. 19.
Radiant heating, High-frequency. A. Yang. 2,521,955, Sept. 12.
Radiating termination for a rhombic antenna. K. Posthumus. 2,517,238, Aug. 1.
Radiation alarm and measurement device. E. W. Molloy and W. H. Hinch. 2,496,886, Feb. 7.
Radiation counter. V. C. Wilson. 2,519,007, Aug. 15.
Radiation counter, Ultra high frequency. S. Spaeth. 2,500,473, Mar. 14.
Radiation detecting apparatus. M. D. Liston. 2,497,129, Feb. 14.
Radiation detector. H. G. Neil. 2,514,135, July 4.
Radiation measurement. B. B. Rossi and J. S. Allen. 2,506,435, May 2.
Radiation measurement and instrument testing. J. Neufeld. 2,516,334, July 25.
Radiator. E. H. Haugen. 2,516,871, Aug. 1.
Radiator and oil cooler, Combination. E. H. Panthofer. 2,505,790, May 2.
Radiator bracket. J. E. Tolan. 2,501,147, Mar. 21.
Radiator core mounting. F. M. Young. 2,506,051, May 2.
Radiator, Electric. G. L. Appell. 2,502,551, Apr. 4.
Radiator enclosure. T. O. Marini. 2,512,661, June 27.
Radiator enclosure. T. O. Marini. 2,513,036, June 27.
Radiator enclosure, Adjustable. M. Katz. 2,500,037, Mar. 7.
Radiator for electron discharge devices, Heat. R. A. L. Cole. 2,502,429, Apr. 4.
Radiator for space heating. H. C. Hebard. 2,530,058, Nov. 14.
Radiator header construction. F. M. Young. 2,512,560, June 20.
Radiator, Portable. W. G. Kögel. 2,510,235, June 6.
Radiator pressure cap. B. E. Clark and G. K. Vieson. 2,521,201, Sept. 5.
Radiator, Steam electric. M. Koral. 2,521,173, Sept. 5.
Radiator vent valve. J. A. Gorton. 2,494,293, Jan. 10.
Radioactive borehole logging. A. J. F. Siegert and B. E. Watt. 2,504,888, Apr. 18.
Radio-active borehole logging, Shielding method and apparatus for. S. Krasnow. 2,522,522, Sept. 19.
Radioactive device and making the same. G. Joris. 2,525,035, Oct. 10.
Radioactive measuring. G. Herzog. 2,501,174, Mar. 21.
Radioactive measuring. G. Herzog. 2,528,724, Nov. 7.
Radioactivity detector. G. J. Perlow, J. D. Shipman, Jr., and C. A. Schroeder. 2,513,356, July 4.
Radioactivity measuring device. J. A. Simpson, Jr. 2,509,700, May 30.
Radio aerial system and particularly directive aerial system. W. A. Johnson. 2,532,919–20, Dec. 5.
Radio altimeter. L. Couillard. 2,533,769, Dec. 12.
Radio altimeter utilizing phase comparison. G. C. Sziklai. 2,506,818, May 9.
Radio and intercommunication system, Combined. W. J. Lambert. 2,496,398, Feb. 7.
Radio and record player chassis support. E. M. and J. E. Hansen. 2,495,632, Jan. 24.
Radio antenna. G. L. Haller. 2,505,768, May 2.
Radio antenna apparatus. L. Hammond. 2,535,850, Dec. 26.
Radio antenna system. W. J. Lattin. 2,535,298, Dec. 26.
Radio apparatus. J. R. Boykin and J. L. Johnson. 2,525,475, Oct. 10.
Radio apparatus. D. H. Campbell and W. J. Larkin. 2,510,681, June 6.
Radio apparatus. H. D. Young and H. J. Morrison. 2,519,305, Aug. 15.
Radio apparatus. G. Zindel, Jr. 2,515,816, July 18.
Radio apparatus for aircraft. A. W. Faulkner. 2,519,553, Aug. 22.
Radio apparatus for visualizing distant objects. H. R. Bodemuller. 2,523,858, Sept. 26.
Radio apparatus, Stop-on-signal. E. F. Andrews. 2,493,741, Jan. 10.
Radio apparatus, Stop-on-signal. O. Gierwiatowski. 2,494,235, Jan. 10.
Radio beacon. J. W. S. Pringle. 2,532,939, Dec. 5.
Radio beacon and discriminating circuit therefor. L. W. Alvarez. 2,527,474, Oct. 24.
Radio beacon receiver. W. J. O'Brien. 2,504,573, Apr. 18.
Radio beacon receiver control circuit. L. Dubin. 2,495,710, Jan. 31.
Radio beacon system. J. Aicardi. 2,496,367, Feb. 7.
Radio beacon system. H. T. Mitchell and T. Kilvington. 2,502,662, Apr. 4.
Radio bomb release system. H. Kihn. 2,500,550, Mar. 14.
Radio bomb release system. D. G. C. Luck. 2,518,916, Aug. 15.
Radio cabinet. C. A. Peterson. 2,501,689, Mar. 28.
Radio communication system. J. C. O'Brien and R. B. Haner. 2,512,530, June 20.
Radio communication system, Dimensional. J. H. Homrighous. 2,532,719, Dec. 5.
Radio communication system, Optimum frequency. J. K. De Armond. 2,521,696, Sept. 12.
Radio communication system, Station selective. N. D. Preston and F. B. Hitchcock. 2,501,091, Mar. 21.
Radio communication system, Two-way. W. A. Harris. 2,529,550, Nov. 14.
Radio control system. A. R. Starr. 2,500,212, Mar. 14.
Radio detection and ranging system employing multiple scan. E. F. W. Alexanderson, F. G. Patterson, and M. W. Sims. 2,526,314, Oct. 17.
Radio device, Portable. D. H. Mitchell. 2,533,493, Dec. 12.
Radio direction finder. F. De Fremery. 2,530,600, Nov. 21.
Radio direction finder. C. Granqvist. 2,534,711, Dec. 19.
Radio direction finder. E. G. Lapham. 2,512,657, June 27.
Radio distance indicator. S. H. M. Dodington and G. R. Clark. 2,524,779, Oct. 10.
Radio distance measuring system. D. Blitz. 2,533,871, Dec. 12.
Radio distance measuring system. D. H. Robinson and T. E. Dunn. 2,533,898, Dec. 12.

Radio-echo detection and location apparatus for approaching hostile craft. L. W. Alvarez. 2,530,418, Nov. 21.
Radio echo detection apparatus. E. L. Hudspeth. 2,508,571, May 23.
Radio echo device for velocity determination. R. M. Page. 2,520,166, Aug. 29.
Radio echo systems with means for protecting receiver. W. D. Hershberger. 2,496,998, Feb. 7.
Radio equipment, Portable. W. S. Harmon. 2,531,215, Nov. 21.
Radio for automobiles and circuit therefor, Auxiliary. R. J. Sampson and E. A. Gatzke. 2,521,129, Sept. 5.
Radio frequency control system. C. G. Matland and L. Katz. 2,530,979, Nov. 21.
Radio-frequency filter. P. H. Smith. 2,515,061, July 11.
Radio-frequency generator. O. H. Schmitt. 2,524,211, Oct. 3.
Radio-frequency inverter relay circuit. D. L. Hings. 2,532,451, Dec. 5.
Radio-frequency power generator. A. Kreithen. 2,498,760, Feb. 28.
Radio-frequency power measuring circuit. R. D. O'Neal. 2,518,926, Aug. 15.
Radio-frequency receiver, Multiple channel. W. J. O'Brien. 2,500,200, Mar. 14.
Radio frequency shielded switch. J. B. Atwood and F. J. W. Schoenborn. 2,498,907, Feb. 28.
Radio-frequency switch. N. E. Klein. 2,509,928, May 30.
Radio-frequency tank circuit. J. D. Reid. 2,514,337, July 4.
Radio-frequency testing circuit. C. E. Dennis. 2,510,962, June 13.
Radiographic apparatus. A. Nemet. 2,513,248, June 27.
Radiographic process. A. H. J. de Lassus St. Genies. 2,512,242, June 20.
Radiographic scanning unit. H. F. Kaiser. 2,511,853, June 20.
Radiographic unit. H. F. Kaiser. 2,528,521, Nov. 7.
Radio guiding apparatus for mobile craft, Self-contained. R. J. Hardy. 2,527,547, Oct. 31.
Radio, Lamp. H. A. Greener. 2,507,707, May 16.
Radio locating and signaling system. E. Labin, D. D. Grieg, and A. M. Levine. 2,495,737, Jan. 31.
Radio locating apparatus. E. G. Bowen, D. Taylor, and K. G. Budden. 2,512,086, June 20.
Radio location device. R. H. Ranger. 2,519,397, Aug. 22.
Radio location device, Stereoscopic. R. H. Ranger. 2,531,466, Nov. 28.
Radio location system. J. E. Hawkins. 2,513,321–2, July 4.
Radio locator system. A. D. Blumlein. 2,525,089, Oct. 10.
Radio locator system, Pulse-echo. M. H. Mesner. 2,524,295–6, Oct. 3.
Radio marker system. A. P. King. 2,520,008, Aug. 22.
Radio navigation system. S. W. Seeley. 2,526,287, Oct. 17.
Radio navigation system. I. Wolff. 2,528,202, Oct. 31.
Radio navigation system for affording selective display of traffic information. I. Wolff. 2,517,752, Aug. 8.
Radio navigational aid. C. E. G. Bailey. 2,523,895, Sept. 26.
Radio navigational system. C. E. Strong and L. J. Heaton-Armstrong. 2,510,723, June 6.
Radio object locating system. R. A. McConnell. 2,527,753, Oct. 31.
Radio object locating system. J. R. Moore. 2,493,774, Jan. 10.
Radio object location indicator. J. V. Holdam, Jr., and L. M. Jones. 2,530,060, Nov. 14.
Radio object location system. R. L. Sinsheimer. 2,527,769, Oct. 31.
Radio obstacle detection system. D. D. Grieg. 2,517,558, Aug. 8.
Radiophone system, Time-division multiplex. J. H. Homrighous. 2,532,310, Dec. 5.
Radio-phonograph combination. E. E. Campbell. 2,502,126, Mar. 28.
Radio-phonograph combination. J. Moir. 2,519,063, Aug. 15.
Radio, Pocket. F. T. Hines, Jr. 2,508,918, May 23.
Radio position determining system. J. E. Hawkins. 2,513,315, July 4.
Radio position determining system. J. E. Hawkins. 2,513,320, July 4.
Radio position determining system. J. E. Hawkins and R. S. Finn. 2,513,317, July 4.
Radio position finding system. J. E. Hawkins and B. W. Koeppel. 2,513,318, July 4.
Radio pulse echo device with alarm actuated by selected echoes. R. R. Miller. 2,521,016, Sept. 5.
Radio range, Omnidirectional. S. Gubin. 2,513,477, July 4.
Radio range, Omnidirectional. H. Sohon. 2,513,528, July 4.
Radio ranging system with selective automatic volume control and range following. A. G. Fox. 2,534,862, Dec. 19.
Radio receiver. D. D. Grieg. 2,498,675, Feb. 28.
Radio receiver. D. H. Hughes. 2,525,298, Oct. 10.
Radio receiver. I. A. Krause. 2,510,983, June 13.
Radio receiver. M. Leeuwin. 2,507,027, May 9.
Radio receiver and coin savings bank, Combination. A. V. Curry. 2,496,620, Feb. 7.
Radio receiver, Aperiodic. J. P. Veatch and W. J. Hoffert. 2,513,384, July 4.
Radio receiver, Directional. A. M. Casabona. 2,512,611, June 27.
Radio receiver, Double range panoramic. M. Wallace. 2,502,295, Mar. 28.
Radio receiver, Double superheterodyne. F. A. Kolster. 2,534,606, Dec. 19.
Radio receiver, Double sweep panoramic. M. Wallace. 2,502,294, Mar. 28.
Radio receiver employing plug-in components. J. E. Traugott and B. B. De Libero. 2,526,834, Oct. 24.
Radio receiver gain control. A. Westerveld. 2,503,787, Apr. 11.
Radio receiver having a push-button station selector, Multiband superheterodyne. H. M. Bach. 2,501,591, Mar. 21.
Radio receiver having a push-button station selector, Multiband superheterodyne. H. M. Bach. 2,529,443, Nov. 7.
Radio receiver indicator. J. C. A. Recourt. 2,511,220, June 13.
Radio receiver, Miniature. F. L. Stuck. 2,521,423, Sept. 5.
Radio receiver, Multiband superheterodyne. R. H. Herrick. 2,513,485, July 4.
Radio receiver noise muting circuit. M. G. Crosby. 2,493,446, Jan. 3.
Radio receiver operable for either radio reception or telephone amplification. H. G. Cisin. 2,528,636, Nov. 7.
Radio receiver, Pillow. W. S. Halstead. 2,512,641, June 27.
Radio receiver, Superheterodyne. J. D. Reid. 2,533,045, Dec. 5.
Radio receiver system. H. Sussman. 2,493,093, Jan. 3.
Radio receiver, Ultra high frequency. G. J. Lehmann. 2,516,887, Aug. 1.
Radio receiver with band-spread tunable circuits. H. Blok and H. A. Broos. 2,495,624, Jan. 24.
Radio receiver with condenser tuning. C. J. Van Loon and W. Beukema. 2,494,677, Jan. 17.
Radio receiver with pulse sharpening system. E. K. Stodola. 2,524,851, Oct. 10.
Radio receiving apparatus in a miniature piano cabinet having movable keys. R. L. Harris and A. Frankl. 2,501,050, Mar. 21.
Radio receiving circuit. P. H. Greeley. 2,511,107, June 13.
Radio receiving system. U. S. Berger. 2,527,617, Oct. 31.
Radio receiving system. G. R. P. Marié. 2,533,599, Dec. 12.
Radio receiving system with automatic tuner. M. Wallace. 2,496,832, Feb. 7.
Radio reflection distance finder. D. I. Lawson. 2,520,353, Aug. 29.
Radio relay system. W. E. Kock. 2,530,826, Nov. 21.
Radio relaying. D. S. Bond and L. E. Thompson. 2,508,853, May 23.
Radio relaying. N. J. Oman. 2,500,090, Mar. 7.
Radio relaying. L. E. Thompson. 2,507,739, May 16.
Radio relaying. L. E. Thompson. 2,514,425, July 11.
Radio remote-control system. C. J. Marshall. 2,513,342, July 4.
Radio repeating system. H. T. Winchel. 2,530,748, Nov. 21.
Radio responsive device, Visible image. E. G. Linder. 2,532,175, Nov. 28.
Radio scanning device. R. Rüdenberg. 2,501,876, Mar. 28.
Radio signal detector. D. H. Andrews. 2,533,908, Dec. 12.
Radio signaling apparatus, Variable-frequency. E. P. Fairbairn and A. A. Chubb. 2,523,106, Sept. 19.
Radio silencing device, Phone attached. C. E. Van Velsor. 2,498,349, Feb. 21.
Radiosonde. L. S. Craig and L. Hillman. 2,509,215, May 30.
Radio spectrum monitoring apparatus. R. C. Raymond. 2,496,560, Feb. 7.
Radio station selecter. B. A. Schwarz. 2,521,752, Sept. 12.
Radio survey system. J. E. Hawkins. 2,513,316, July 4.
Radio system. B. R. Cole. 2,503,546, Apr. 11.
Radio system, Duplex. R. S. Bailey. 2,498,635, Feb. 28.
Radio system for guiding aircraft. H. P. Williams. 2,510,160, June 6.
Radio system for measuring distance by phase comparison. T. M. Manley. 2,529,510, Nov. 14.
Radio system for providing vertically separated airways. M. Wallace. 2,534,840, Dec. 19.
Radio telegraph system, Frequency shift. A. Cook and H. D. Bickley. 2,509,212, May 30.
Radio-telemetering with phase modulation. H. B. Schultheis, Jr. 2,526,425, Oct. 17.
Radiotelephone system. I. Molnar. 2,523,914, Sept. 26.
Radiotelephone system having a single channel and a single frequency, Mobile. R. P. Dimmer. 2,530,815, Nov. 21.
Radio time tuning device. A. Chikan. 2,533,877, Dec. 12.
Radio training system for aircraft pilots. R. C. Dehmel. 2,533,361, Dec. 12.
Radio transmitting system. F. C. Mallinson. 2,505,781, May 2.

Radio tuning control. E. S. Peterson. 2,494,486, Jan. 10.
Radio velocity and position determining system. C. E. Hastings. 2,527,548, Oct. 31.
Radio vision system with high-speed scanner for short radio waves. H. Iams and H. B. DeVore. 2,524,292, Oct. 3.
Radio wave conducting device. H. A. Iams. 2,528,367, Oct. 31.
Radio wave device. H. A. Iams. 2,504,333, Apr. 18.
Radio wave transmission. G. C. Southworth. 2,523,398, Sept. 26.
Radius gauge. G. R. Wallace. 2,499,434, Mar. 7.
Radius tool. C. F. McGregor. 2,525,819, Oct. 17.
Rafter gauge. R. C. Higgins. 2,529,939, Nov. 14.
Rail. W. W. and G. R. McQuaid. 2,511,361, June 13.
Rail anchor. J. A. Hyle and S. L. Favinger. 2,535,739, Dec. 26.
Rail anchor. J. A. Hyle and R. A. Thomann. 2,511,062, June 13.
Rail anchor. R. A. McLaughlin. 2,530,021, Nov. 14.
Rail anchor means. T. W. Saul. 2,501,969, Mar. 28.
Rail bond. W. F. Clark. 2,508,225, May 16.
Rail bonding. R. O. Hartman and J. S. Richards. 2,526,132, Oct. 17.
Rail brake. P. Madsen. 2,518,346, Aug. 8.
Rail engaging member for storm windows, Meeting. C. L. Webster. 2,521,617, Sept. 5.
Rail fastener. J. A. McGrew. 2,531,577, Nov. 28.
Rail fastening device. A. R. Schulze. 2,525,731, Oct. 10.
Rail fastening device. A. R. Schulze. 2,533,055, Dec. 5.
Rail fastening, Safety. J. R. Snyder. 2,530,547, Nov. 21.
Rail flaw detector mechanism. H. C. Drake, W. I. Bendz, and W. E. Mesh. 2,535,353, Dec. 26.
Rail flaw detector mechanism. W. E. Mesh. 2,507,863, May 16.
Rail for conveyers, Guide. M. E. and C. F. Speicher. 2,493,169, Jan. 3.
Rail for Venetian blinds, Bottom. H. S. Rosenbaum. 2,520,109, Aug. 22.
Rail for Venetian blinds, Lower. H. S. Rosenbaum. 2,502,028, Mar. 28.
Rail, Garment hanger. A. J. Baumgardt. 2,523,857, Sept. 26.
Rail, Guard. J. C. Baldwin. 2,517,959, Aug. 8.
Rail-handling tool. L. P. Chicoine. 2,502,246, Mar. 28.
Rail heater. T. A. Broome. 2,500,399, Mar. 14.
Rail particularly for mine tracks, Prefabricated detachable guard. S. A. Fredrick. 2,529,077, Nov. 7.
Railroad car. J. W. Patton. 2,528,074, Oct. 31.
Railroad car brake. H. A. Conner. 2,519,888, Aug. 22.
Railroad journal bearing. J. J. Laudig. 2,498,994, Feb. 28.
Railroad switch. V. La Grande. 2,496,098, Jan. 31.
Railroad switch heater. O. L. Garretson. 2,512,541, June 20.
Rail, Slider guide. F. J. Burns. 2,507,690, May 16.
Rail stabilizer. G. F. Carpenter. 2,526,005, Oct. 17.
Rail switch point lifting means. G. W. Gray and C. B. Wade. 2,533,929, Dec. 12.
Rail tie, Composition. H. W. Goddin and E. V. Bulow. 2,529,841, Nov. 14.
Rail-vehicle bogie with depressed center pin. J. Waldvogel. 2,530,495, Nov. 21.
Railway brake. E. J. O'Reardon. 2,505,570, Apr. 25.
Railway brake beam mounting. W. H. Sale. 2,497,417, Feb. 14.
Railway bridge joint. A. B. Chapman. 2,496,855, Feb. 7.
Railway car coupler support. K. T. Nystrom. 2,509,988, May 30.
Railway car door protector. P. J. Hogan. 2,493,720, Jan. 3.
Railway car jack. A. W. and M. A. Mandelko. 2,494,099, Jan. 10.
Railway car wheel. D. R. Cornell. 2,519,548, Aug. 22.
Railway draft rigging. G. E. Dath. 2,504,253, Apr. 18.
Railway house car. T. Madland. 2,522,761, Sept. 19.
Railway journal and free oiling system therefor. W. Blackmore. 2,498,520, Feb. 21.
Railway, Pleasure. B. B. Pewitt. 2,498,450, Feb. 21.
Railway spike, Resilient. A. C. Jack. 2,524,805–6, Oct. 10.
Railway, Suspension. W. C. Cox. 2,508,748, May 23.
Railway switch. A. W. Hageman. 2,502,149, Mar. 28.
Railway switch lock. W. C. McWhirter. 2,500,616, Mar. 14.
Railway tie. K. F. Beisel. 2,520,754, Aug. 29.
Railway traffic controlling apparatus. C. B. Shields. 2,520,858, Aug. 29.
Railway train interval detection system. P. M. Brannen. 2,509,331, May 30.
Railway vehicle wheel. H. Michaels. 2,524,354, Oct. 3.
Raincoat, Combination. M. Stagg. 2,513,065, June 27.
Rain gauge. O. W. and J. D. Hunn. 2,507,206, May 9.
Rain gauge. J. B. Moore. 2,520,557, Aug. 29.
Rain gauge. V. V. Phillips. 2,509,522, May 30.
Rain or snow gauge. H. L. Cappleman, Jr. 2,497,759, Feb. 14.
Raising fluids. M. F. McComas. 2,515,562, July 18.
Raising of natural oil and other liquids by gaseous pressure. N. F. Brown. 2,526,801, Oct. 24.
Rake. J. I. Gleekman. 2,529,012, Nov. 7.
Rake. R. C. Hiatt. 2,514,699, July 11.
Rake. V. P. Law. 2,511,642, June 13.
Rake. W. H. Speer and D. M. Foley. 2,510,936, June 6.
Rake, Adjustable hand. F. W. Wells. 2,532,526, Dec. 5.
Rake and carrier, Lawn. J. W. Meyers. 2,504,715, Apr. 18.
Rake and conveyer teeth. C. A. Warnke. 2,502,769, Apr. 4.
Rake, Articulated power-operated hay. R. A. Barnes. 2,533,417, Dec. 12.
Rake, Brush. J. F. Fall. 2,630,656, Nov. 21.
Rake, Buck. J. D'Avila. 2,499,465, Mar. 7.
Rake, Comb. H. C. Adams. 2,512,127, June 20.
Rake, Combined grass and leaf. J. A. Campbell. 2,506,993, May 9.
Rake, Hay and brush. J. S. Webb. 2,499,550, Mar. 7.
Rake, Lawn. C. H. Kaufman. 2,529,025, Nov. 7.
Rake, Lawn. D. R. Morrison. 2,510,188, June 6.
Rake, Lawn. J. T. Thayer, Jr. 2,497,192, Feb. 14.
Rake, Nut. E. C. Smith. 2,495,947, Jan. 31.
Rake, Pickup broom. M. F. Zifferer. 2,504,943, Apr. 18.
Rake, Power. C. S. Reitan. 2,505,576, Apr. 25.
Rake, Rotary lawn. F. V. Bott. 2,525,090, Oct. 10.
Rake, Rotary reel. C. Jones. 2,497,409, Feb. 14.
Rake, Rotary side-delivery. A. J. Wray, Sr. 2,532,652, Dec. 5.
Rake, Self-acting trash. R. L. Hatch. 2,517,874, Aug. 8.
Rake, Self-cleaning. L. E. Bachman. 2,494,154, Jan. 10.
Rake, Side-delivery. H. E. Altgelt. 2,511,894, June 20.
Rake, Side delivery. J. L. Bowman. 2,497,717, Feb. 14.
Rake, Side delivery. N. H. and F. O. Godley. 2,518,303, Aug. 8.
Rake, Side-delivery. C. J. Scranton. 2,514,561, July 11.
Rake, Side-delivery. M. S. Sisulak. 2,518,389, Aug. 8.
Rake, Tractor mounted side delivery. G. E. Ingram. 2,494,946, Jan. 17.
Rake, Trash. T. K. Breda. 2,518,119, Aug. 8.
Rake, Trash. T. K. Breda. 2,524,304, Oct. 3.
Rake, Traveling side delivery. A. D. Guy. 2,509,430, May 30.
Raking and loading means for peanut harvesters. H. W. Beaver. 2,499,051, Feb. 28.
Ram and sealing rings, Hydraulic. W. B. Richardson. 2,532,422, Dec. 5.
Ram construction. A. J. Ersted. 2,520,200, Aug. 29.
Ram packing. L. Murray. 2,527,068, Oct. 24.
Rammer. S. Schiff. 2,520,966, Sept. 5.
Rammer. S. Schiff. 2,522,543, Sept. 19.
Ramp, Cargo. E. M. Santee, R. H. Burkhard, and W. J. Hess. 2,523,723, Sept. 26.
Ramp-carriage and locating means for vehicle lifting devices. I. A. Weaver. 2,533,981, Dec. 12.
Ramp, Loading. V. J. Daniels. 2,496,445, Feb. 7.
Range and direction finding apparatus. N. Rochester. 2,511,599, June 13.
Range, Apartment. L. M. Ham. 2,526,476, Oct. 17.
Range base. A. H. Brodbeck. 2,535,528, Dec. 26.
Range, Combination. L. J. Haines. 2,500,943, Mar. 21.
Range control, Wide speed. E. Frisch and W. O. Osbon. 2,512,322, June 20.
Range, Cooking. A. E. Smallwood. 2,530,183, Nov. 14.
Range determining device, Optical automatic. H. E. Kallmann. 2,524,807, Oct. 10.
Range finder. L. M. Stark. 2,507,229, May 9.
Range finder. T. R. Yezdan. 2,519,727, Aug. 22.
Range finder, Acoustic. W. A. Munson. 2,533,499, Dec. 12.
Range finder arrangement for cameras. E. F. Wallendorf. 2,526,522, Oct. 17.
Range finder for rifles. M. F. Thacker. 2,520,072, Aug. 22.
Range finder, Frequency modulation. M. G. Crosby. 2,528,119, Oct. 31.
Range, Gas. W. E. Williams. 2,512,404, June 20.
Range indication, Synthesized stereoscopic. E. C. Streeter, Jr. 2,501,748, Mar. 28.
Range, Photoelectric miniature radio. D. R. Butterly. 2,492,964, Jan. 3.
Range-signal responsive system, Coded. W. C. Moore. 2,514,285, July 4.
Range tracking apparatus, Regenerative. H. K. Weiss. 2,503,310, Apr. 11.
Range, Ventilated. J. A. Nelson and F. J. Port, Jr. 2,525,614, Oct. 10.
Ranging system, Sound. R. H. Rines. 2,528,725, Nov. 7.
Rapid releasable coupling. F. G. G. Armstrong. 2,499,712, Mar. 7.
Rapper for electrostatic percipitators, Pneumatic. A. G. Owen. 2,518,995, Aug. 15.
Rasp unit. P. C. Neilsen. 2,535,088, Dec. 26.
Rattrap. S. R. Giacoletto. 2,501,043, Mar. 21.
Rattrap. T. Helme. 2,531,568, Nov. 28.
Rattrap. G. J. Houston. 2,532,916, Dec. 5.
Rattrap, Automatic. F. J. Edelman. 2,510,874, June 6.
Ratchet-actuated open-end wrench. A. E. G. Sellers. 2,521,419, Sept. 5.
Ratchet drive. I. D. Jagger. 2,532,404, Dec. 5.
Ratchet drive mechanism for power vehicles, Reversible. A. J. Lewis. 2,531,819, Nov. 28.
Ratchet handle. R. W. Vosper. 2,512,755, June 27.
Ratchet mechanism. H. H. Burdett. 2,534,572, Dec. 19.
Ratchet mechanism for calking guns. S. Crewe. 2,534,857, Dec. 19.
Ratchet mechanism for wrenches. E. R. Sage. 2,507,681, May 16.

Ratchet mechanism, Reversible. F. R. Kull. 2,505,678, Apr. 25.
Ratchet structure. E. E. Robins and H. F. Parker. 2,519,400, Aug. 22.
Ratchet type socket wrench. A. L. Foreman. 2,505,889, May 2.
Ratchet wrench. V. N. Albertson. 2,529,476, Nov. 14.
Ratchet wrench. J. J. Greer and S. C. Greer. 2,508,604, May 23.
Ratchet wrench. J. W. Lang. 2,500,835, Mar. 14.
Ratchet wrench. R. H. Rodgers and A. B. McKinney 2,527,033, Oct. 24.
Rate of change and maximum limit device for regulating systems. N. E. Starkey. 2,528,252, Oct. 31.
Rate of change indicator. W. Angst and J. H. Andresen, Jr. 2,531,492, Nov. 28.
Rate of flow differential pressure combining device. F. J. Wiegand and M. R. Rowe. 2,507,075, May 9.
Ratio adjustment for weighing scales. M. A. Weckerly. 2,503,697, Apr. 11.
Ratio control for captive airplanes. H. T. McIntyre. 2,527,274. Oct. 24.
Ratio controller, Fuel-air. E. V. Albert, T. H. Randall, Jr., and E. M. Barber. 2,531,243, Nov. 21.
Ratio detector circuit. T. Murakami. 2,501,077, Mar. 21.
Ratio-measuring system, Electrical. A. J. Williams, Jr. 2,522,976, Sept. 19.
Ray equipment, Infrared. R. W. Lashells. 2,497,676, Feb. 14.
Ray equipment, Infrared. R. W. Lashells. 2,521,232, Sept. 5.
Rayon-yarn basing pad. G. F. Dennis. 2,534,579, Dec. 19.
Razing tool. W. O. Nelson. 2,520,427, Aug. 29.
Razor. O. V. Rodrigues. 2,521,481, Sept. 5.
Razor and blade for use therewith, Safety. J. A. Rieger. 2,502,062, Mar. 28.
Razor and comb. H. Konrad. 2,536,015, Dec. 26.
Razor blade dispensing package. A. S. Schneider. 2,518,079, Aug. 8.
Razor blade holder. C. L. Jernberg. 2,506,220, May 2.
Razor blade magazine. J. Simon and R. S. Temko. 2,529,819, Nov. 14.
Razor, Disposable. A. D. Brown. 2,501,987, Mar. 28.
Razor, Electric. L. H. Collins and E. C. Smith. 2,530,759, Nov. 21.
Razor, Electric. M. Jay. 2,499,249, Feb. 28.
Razor, Folding. S. L. Maduff and L. W. Cornwall. 2,512,953, June 27.
Razor for dry shaving. E. Callesella. 2,515,549, July 18.
Razor for single edge blades, Safety. J. R. Lynch. 2,531,736, Nov. 28.
Razor, Magazine safety. E. F. Bleeker and P. J. Ditto. 2,510,951, June 13.
Razor, Multiple blade. F. Herrman. 2,505,493, Apr. 25.
Razor, Rotary shear type safety. J. J. Moore. 2,521,597, Sept. 5.
Razor, Safety. R. A. Griffin. 2,532,714, Dec. 5.
Razor, Safety. E. H. Law. 2,517,794, Aug. 8.
Razor, Safety. J. Oberheim. 2,502,585, Apr. 4.
Razor, Safety. W. C. Renne. 2,518,181, Aug. 8.
Razor, Safety. G. S. Ridney, Sr. 2,517,028, Aug. 1.
Razor, Safety. R. T. Sand. 2,499,038, Feb. 28.
Razor, Safety. F. Vogel. 2,525,569, Oct. 10.
Razor, Safety. F. A. Weeks. 2,534,490, Dec. 19.
Razor, Shear type. G. I. Wahnish. 2,510,612, June 6.
Razor, Swinging blade. R. G. Arey. 2,520,487, Aug. 29.
Razor with magnetic guard, Safety. L. C. Sanders. 2,532,372, Dec. 5.
Razor with means for reconditioning the cutting edges of razor blades. Z. Auerbach. 2,530,499, Nov. 21.
Razor with nonreplaceable blade, Foldable safety. A. Foltis. 2,534,861, Dec. 19.
Reactance compensation system. G. H. Brown. 2,517,969, Aug. 8.
Reactance device, Periodically varying. E. Labin and M. C. Poylo. 2,495,741, Jan. 31.
Reactance device, Variable. J. Vahle. 2,494,596, Jan. 17.
Reacting a chrome-tanned hide first with a sulfonic acid syntan and then with methylolmelamine. W. O. Dawson. 2,522,666, Sept. 19.
Reacting phosphorus sulfide and olefinic hydrocarbon. L. W. Mixon and E. N. Roberts. 2,507,731, May 16.
Reaction and fluid lock rotary hydraulic driving unit. F. W. Torrance. 2,511,135, June 13.
Reaction and stratifying container. A. T. Sweet. 2,502,490, Apr. 4.
Reaction apparatus, Catalytic. L. W. T. Cummings. 2,517,525, Aug. 1.
Reaction between olefinic compounds, carbon monoxide, and hydrogen in the presence of a metal carbonyl catalyst. W. F. Gresham and R. E. Brooks. 2,497,303, Feb. 14.
Reaction chamber, Continuous vibrating. E. F. Fader, 2,498,405, Feb. 21.
Reaction furnace and recovery units. S. L. Nevins and J. S. Gilliam, Jr. 2,534,792, Dec. 19.
Reaction of a primary amine with an imine. V. E. Haury. 2,513,996, July 4.
Reaction of alkyl cyloparaffins with unsaturated fatty acid. A. J. Shmidl. 2,534,074, Dec. 12.
Reaction of alpha beta unsaturated compounds with aromatic hydrocarbons and products obtained. W. Kirk, Jr. 2,497,673, Feb. 14.
Reaction of ammoniacal gases to HCN, Pressurized. A. G. Houpt and C. W. Smith. 2,496,999, Feb. 7.
Reaction of beta-lactones with organic magnesium halides. R. A. Bankert. 2,510,364, June 6.
Reaction of dialkenyl ketones with tertiary alkyl mercaptans. F. C. Frank. 2,522,670, Sept. 19.
Reaction of ethers with nitriles. E. E. Magat. 2,518,156, Aug. 8.
Reaction of hydrogen sulfide with olefins. W. A. Schulze. 2,502,596, Apr. 4.
Reaction of methane with sulfur trioxide. J. C. Snyder and A. V. Grosse. 2,493,038 Jan. 3.
Reaction of phosphorus halides with trialkyl phosphates and resulting products. A. Bell. 2,521,892, Sept. 12.
Reaction product of epsilon-caprolactam and methyl alcohol, Preparing a. E. L. Kropa and J. J. Padbury. 2,524,228, Oct. 3.
Reaction product of haloalkylthiophenes and hydroxyaryl compounds. J. H. McCracken. 2,528,769, Nov. 7.
Reaction product of hexachlorocyclopentadiene and chlorsulfonic acid. E. T. McBee and J. S. Newcomer. 2,516,404, July 25.
Reaction products of an aldehyde and a triazine derivative. J. R. Dudley. 2,524,727, Oct. 3.
Reaction products of an aldehyde and a triazine derivative. E. L. Kropa. 2,496,097, Jan. 31.
Reaction products of an aldehyde and an amide of perfluorodicarboxylic acid. E. L. Kropa and J. J. Padbury. 2,523,470, Sept. 26.
Reaction products of dicyandiamide with an amine-formaldehyde reaction product. J. R. Dudley and J. A. Anthes. 2,497,073, Feb. 14.
Reaction products of diesters of dithiophosphoric acid and mineral oil compositions containing the same. F. B. Augustine. 2,528,732, Nov. 7.
Reaction products of epsilon-caprolactam and a nitrogenous compound, Preparing. E. L. Kropa and J. J. Padbury. 2,526,078, Oct. 17.
Reaction products of rosin esters and preparing same. J. B. Rust. 2,518,496, Aug. 15.
Reactions of lower trialkyl phosphites with sulfoxy halides and products thereof. A. Bell. 2,508,364, May 23.
Reactor. A. L. Antonio and C. C. Waddell. 2,504,488, Apr. 18.
Reactor. F. T. Barr. 2,518,270, Aug. 8.
Reactor. E. V. Bergstrom. 2,503,703, Apr. 11.
Reactor control system, Saturable. G. E. King. 2,519,379, Aug. 22.
Reactor for high-temperature cracking. R. M. Deanesly. 2,529,598, Nov. 14.
Reactor furnace. F. S. White. 2,503,788, Apr. 11.
Reactor furnace. F. S. White. 2,528,098, Oct. 31.
Reactor system, Saturable. S. V. Hart. 2,497,218, Feb. 14.
Reader for children, Movie. W. E. Baker. 2,494,926, Jan. 17.
Reader, Microscopic vernier. A. A. A. A. de Gramont. 2,497,981, Feb. 21.
Reading aid for the blind. L. E. Flory. 2,517,102, Aug. 1.
Reading apparatus. J. W. Bryce and J. N. Wheeler. 2,521,338, Sept. 5.
Reading device, Electrocardiogram. I. G. Tamagna and J. Gorski. 2,501,550, Mar. 21.
Reading device, Timed. S. E. Taylor. 2,535,243, Dec. 26.
Reading device, Transit vertical circle. C. D. Hillman. 2,498,273. Feb. 21.
Reamer. F. W. Harris. 2,498,756, Feb. 28.
Reamer, Expanding. E. S. Robinson. 2,511,650, June 13.
Reamer, Induction. W. R. Baker. 2,514,116, July 4.
Reamer, Smoking pipe. D. W. Madden. 2,520,418, Aug. 29.
Reamer, Tapping hole. S. W. Kemock. 2,535,932, Dec. 26.
Reaming and cementing apparatus and forming cement plugs within well bores, Combination. H. G. Livingston. 2,503,115, Apr. 4.
Reaming mechanism, Citrus fruit. H. L. Wurgaft. 2,517,520, Aug. 1.
Reaming tool. J. S. Buchanan. 2,517,970, Aug. 8.
Rear end for trucks, tractors, and trailers, All universal tandem. J. Jungwirth. 2,523,954, Sept. 26.
Rear projection viewing screen. I. G. Maloff. 2,529,701, Nov. 14.
Rearrangement of steroid oximes. P. L. Julian, J. W. Cole, E. W. Meyer, and A. Magnani. 2,531,441, Nov. 28.
Receiver and diversity receiver system. L. R. Kahn. 2,513,803, July 4.
Receiver and relay assembly, Combined electronic. J. L. Bonanno. 2,526,453, Oct. 17.
Receiver, Angle modulation. M. S. Corrington. 2,501,122, Mar. 21.
Receiver circuit. N. H. Young, Jr. 2,516,937, Aug. 1.
Receiver circuit-arrangement for low-frequency or carrier wave telephony systems. J. Enslink. 2,496,784, Feb. 7.
Receiver comprising automatic gain control, Wireless. B. O. M. Gall. 2,531,845, Nov. 28.
Receiver for electro-magnetic waves, Superregenerative. C. W. Earp. 2,520,136, Aug. 29.
Receiver for metering systems, Impulse. C. Oman. 2,501,351, Mar. 21.

Receiver for pneumatic card strippers and the like. C. E. and F. H. White. 2,505,873, May 2.
Receiver for pulse modulated waves. K. Posthumus. 2,507,176, May 9.
Receiver for pulse-position-modulation systems. W. P. Boothroyd. 2,499,844, Mar. 7.
Receiver for start-stop printing telegraph signals. F. P. Mason. 2,504,997, Apr. 25.
Receiver for very short waves, Superheterodyne. K. S. Knol, M. J. O. Strutt, A. van der Ziel, and A. van Weel. 2,505,251, Apr. 25.
Receiver for wave-length modulated electric waves. K. F. Ross. 2,530,081, Nov. 14.
Receiver helical drum assembly, Facsimile. W. G. H. Finch and G. H. Hohmann. 2,511,704, June 13.
Receiver, Printing telegraph. R. D. Salmon. 2,505,003, Apr. 25.
Receiver, Push-button tuning signal-seeking. M. G. Nicholson, Jr. 2,499,967, Mar. 7.
Receiver, Signal-seeking. R. A. Gull. 2,499,857–8, Mar. 7.
Receiver system. M. G. Crosby. 2,513,786, July 4.
Receiver system. R. B. Reade. 2,531,467, Nov. 28.
Receiver, Wave-signal. J. J. Okrent. 2,501,186, Mar. 21.
Receiver with discriminator-type sweep circuits, Panoramic. J. I. Heller. 2,499,995, Mar. 7.
Receiver with image-frequency suppression, Superheterodyne radio. C. J. van Loon and J. J. Schurink. 2,510,002, May 30.
Receiver with means for modifying signal pulses applied to indicators, Panoramic. J. I. Heller. 2,498,954, Feb. 28.
Receiving and frequency conversion system, Radio. A. A. Collins. 2,509,963, May 30.
Receiving apparatus for radio-frequency navigation systems. W. J. O'Brien. 2,530,902, Nov. 21.
Receiving set and cabinet therefor, Radio. L. J. Griffin. 2,510,103, June 6.
Receiving system, Carrier shift. C. L. Jeffers. 2,502,154, Mar. 28.
Receiving system, Multiband panoramic. H. Hurvitz. 2,525,679, Oct. 10.
Receiving system, Multiple distribution radio. W. J. Jones. 2,531,438, Nov. 28.
Receptacle: *See*—
Adjustable fastener receptacle.
Adjustable measuring receptacle.
Ash receptacle.
Chiropodist's waste receptacle.
Cooling receptacle.
Copper bottom enameled cooking receptacle.
Dispensing receptacle.
Electrical receptacle.
Flexible pocket receptacle.
Garbage receptacle.
Garbage slidable receptacle.
Garbage storage receptacle.
Golf putting game receptacle.
Locking receptacle.
Mail receptacle.
Material distributing receptacle.
Mop shaking receptacle.
Open bottom deposit and collection receptacle.
Plant receptacle.
Renewable fuse tap receptacle.
Sanitary receptacle.
Sealed receptacle.
Spring-hinged two-part receptacle.
Tiltable mounted waste receptacle.
Transparent continuous baffle fare receiving receptacle.
Utensil receptacle.
Vacuum mop cleaning receptacle.
Wall receptacle.
Receptacle. H. L. Reitzes. 2,499,528. Mar. 7.
Receptacle. P. L. Spencer. 2,528,251, Oct. 31.
Receptacle. W. Traska. 2,499,799, Mar. 7.
Receptacle. H. A. Wittliff, Jr. 2,523,981, Sept. 26.
Receptacle and closure fastener therefor. W. H. Churchill. 2,534,105, Dec. 12.
Receptacle and closure means therefor. F. N. Merralls. 2,520,467, Aug. 29.
Receptacle and extinguishing means, Cigarette. J. X. Snadden. 2,527,461, Oct. 24.
Receptacle and perch, Combined bird feeding. J. E. Maly. 2,531,915, Nov. 28.
Receptacle and plug therefor, Safety lock electrical. C. H. Whitlock. 2,527,382, Oct. 24.
Receptacle and support therefor. L. J. Semeyn. 2,517,248, Aug. 1.
Receptacle carrier. V. W. McGuire. 2,494,303, Jan. 10.
Receptacle closure. W. L. Bumber. 2,496,439, Feb. 7.
Receptacle closure. J. B. Eisen. 2,514,124, July 4.
Receptacle closure. E. Greene. 2,497,599, Feb. 14.
Receptacle closure. A. L. Langel. 2,532,818, Dec. 5.
Receptacle closure. A. E. Smith. 2,524,366, Oct. 3.
Receptacle closure, Rotary. J. R. McGrath. 2,495,015, Jan. 17.
Receptacle device, Electrical outlet. J. F. O'Brien and E. S. Boynton. 2,515,256, July 18.
Receptacle filling device. A. J. Lippold. 2,499,149, Feb. 28.
Receptacle for a switch. J. Chrastina. 2,531,350, Nov. 21.
Receptacle for articles such as electric razors. D. W. Corey. 2,504,252, Apr. 18.
Receptacle for backs of hair combs. A. J. Fabis. 2,513,853, July 4.
Receptacle for bakery products. G. Braun. 2,522,161, Sept. 12.
Receptacle for children, Sounding drinking. W. E. Lawson, Jr. 2,504,541, Apr. 18.
Receptacle for damp cloths. S. B. Schuler and A. W. Leighton. 2,521,025, Sept. 5.
Receptacle for dispensing ticker tape, Pocket. S. Ruhland. 2,517,445, Aug. 1.
Receptacle for electric storage battery locomotives, Charging. C. Shields. 2,520,970, Sept. 5.
Receptacle for ice cream cartons. L. G. Stine and C. A. Hurst, Jr. 2,498,016, Feb. 21.
Receptacle for letters and similar papers. S. J. Rudolph. 2,512,972, June 27.
Receptacle for magnetizable record strips. L. M. Potts. 2,522,463, Sept. 12.
Receptacle for motor vehicles, Demountable. N. C. Waddill. 2,507,842, May 16.
Receptacle for washing machines, Clothes. A. H. Gerhardt. 2,498,544, Feb. 21.
Receptacle holder. T. B. Allen. 2,509,284, May 30.
Receptacle into which a mop may be inserted and shaken, Closed. L. B. Reid. 2,497,795, Feb. 14.
Receptacle kit. C. W. Crumrine. 2,526,602, Oct. 17.
Receptacle support. J. M. Haake. 2,522,036, Sept. 12.
Receptacle support. C. W. Terry. 2,520,818, Aug. 29.
Receptacle support. H. V. Williams. 2,522,658, Sept. 19.
Receptacle with cord cap retainer, Electrical. J. F. O'Brien. 2,515,257, July 18.
Receptacle with door actuated signal, Mail. C. H. Sprick and M. J. Renquist. 2,505,309, Apr. 25.
Receptacle with latching handle, Packaging. R. J. Evans and J. B. Barrow. 2,508,909, May 23.
Receptacle with outwardly swingable side walls. J. Golino. 2,527,007, Oct. 24.
Receptacle with powder puff retainer, Cosmetic. M. A. Wiggins. 2,527,169, Oct. 24.
Receptacle with resilient powder ejector, Toothpowder. T. L. Bonkowski. 2,519,539, Aug. 22.
Receptacle with safety shutter, Electrical. I. Moses, Jr., and S. E. Albert. 2,528,014, Oct. 31.
Receptacles for pyrotechnic fillings, Making. A. P. Barton. 2,530,934, Nov. 21.
Receptacles, Making. D. Mapes. 2,518,483, Aug. 15.
Receptor, Protective. S. Penksa. 2,510,249, June 6.
Recessing tool holder. M. J. Schlitters. 2,495,291, Jan. 24.
Reciprocating contact switch. J. F. Frese. 2,496,282, Feb. 7.
Reciprocating device. S. J. Bergeson. 2,534,943, Dec. 19.
Reciprocating jaw jar wrench. S. E. Jessup. 2,507,789, May 16.
Reciprocating measuring pockets having volume varying means. E. J. Gilmore and E. P. and Z. Lutz. 2,529,654, Nov. 14.
Reciprocating mixing valve. E. C. Bentsen. 2,510,369, June 6.
Reciprocating pump. T. B. Philip. 2,500,497, Mar. 14.
Reciprocating travel controlling means. W. S. Landon. 2,505,975, May 2.
Reciprocator for X-ray apparatus. R. H. Morgan and P. C. Hodges. 2,504,864, Apr. 18.
Reciprocatory motion means, Variable. E. W. Largent. 2,511,352, June 13.
Recirculating system for swimming pools, Water. E. W. Landon and D. K. Cavenah. 2,502,052, Mar. 28.
Recirculation of unrefined alcoholic fatty oil solvent, Uninterrupted. A. C. Beckel, J. C. Cowan, and P. A. Belter. 2,524,037, Oct. 3.
Reckoning device. C. T. Walmsley. 2,493,792, Jan. 10.
Reclaiming composite material. P. J. Dasher. 2,498,398, Feb. 21.
Reclaiming elastomers. J. H. Kelly, Jr. 2,535,931, Dec. 26.
Reclaiming mixed vulcanizates of natural and synthetic polymers. F. W. Staten and W. M. Haines, Jr. 2,522,069, Sept. 12.
Reclaiming rubber. E. F. Sverdrup. 2,494,593, Jan. 17.
Reclaiming synthetic rubber. T. A. Johnson and H. H. Thompson. 2,533,017, Dec. 5.
Reclaiming vulcanized polymers by treatment with metalloid hydrides. F. P. Baldwin. 2,493,518, Jan. 3.
Reclining chair. A. D. Armstrong. 2,522,246, Sept. 12.
Reclining chair. W. Bockhorst. 2,502,819, Apr. 4.
Reclining chair. R. A. Cramer, Sr. 2,497,395, Feb. 14.
Reclining chair. A. M. Fitzpatrick, Jr. 2,528,505, Nov. 7.
Reclining chair. F. J. Luketa. 2,514,655, July 11.
Reclining chair. F. J. Luketa. 2,533,595, Dec. 12.
Reclining chair. A. J. Magaldino and M. Figge. 2,512,353, June 20.
Reclining chair. J. Turner. 2,530,924, Nov. 21.
Reclining seat. W. B. Dean and G. C. Smith. 2,508,598, May 23.
Reclosure container. G. C. Erb. 2,523,285, Sept. 26.
Recognition trainer. R. G. Nye and L. T. Apple. 2,514,289, July 4.
Recoil mechanism. C. E. Simpson. 2,520,971, Sept. 5.
Recoil reducer. P. L. Porter. 2,522,192, Sept. 12.
Recoil simulator for shooting gallery apparatus. S. M Heide. 2,520,281, Aug. 29.
Reconditioning forging dies. J. F. Shea. 2,494,970, Jan. 17.
Reconditioning machine, Automobile body. R. D. Englehart. 2,522,167, Sept. 12.
Reconditioning used sand. M. V. Chamberlin. 2,508,857, May 23.

Record album carrier. W. C. Wolski. 2,515,433, July 18.
Record and reproducing system therefor, Multicolored. G. C. Sziklai. 2,527,463, Oct. 24.
Record apparatus, Card. J. W. Whitson. 2,495,490, Jan. 24.
Record carrier. F. L. Fox. 2,501,037, Mar. 21.
Record changer. A. Compare. 2,511,567, June 13.
Record changer. A. M. Kasnowich. 2,527,936, Oct. 31.
Record changer and player, Automatic phonograph. M. S. Karp. 2,501,391, Mar. 21.
Record changer for phonographs, Automatic. H. V. Alexandersson. 2,510,455, June 6.
Record changer, Phonograph. C. B. Dale. 2,496,658, Feb. 7.
Record changer, Phonograph. C. B. Dale. 2,502,208, Mar. 28.
Record changer trip mechanism. R. A. Mullaney 2,527,646, Oct. 31.
Record changer with record lowering device, Drop-type. J. D. Weaver. 2,512,701, June 27.
Record changing device for phonographs. B. F. Wissner. 2,515,283, July 18.
Record changing mechanism for phonographs. T. W. Small. 2,527,586, Oct. 31.
Record changing mechanism for phonographs. E. Wennerbo. 2,506,555, May 2.
Record cleaner. F. G. Madera. 2,509,307, May 30.
Record comparing device. I. Ghertman. 2,501,271, Mar. 21.
Record containing polyvinyl acetal resins, ethyl cellulose, and soft, low-melting point resins, Phonograph. E. M. Sadowski and E. D. O'Mahony. 2,515,800, July 18.
Record controlled accumulating mechanism. H. S. Beattie. 2,502,917, Apr. 4.
Record controlled machine. G. F. Daly. 2,531,873, Nov. 28.
Record device. G. F. Ryan. 2,495,388, Jan. 24.
Record editor, Invisible sound. E. E. Masterson. 2,528,699, Nov. 7.
Record exchanger for automatic gramophones. W. L. L. Vivie. 2,512,262, June 20.
Record feeding device. J. E. Dayger and O. B. Shafer. 2,528,427, Oct. 31.
Record forming die. H. B. Leedom. 2,501,823, Mar. 28.
Record, Magnetic disk. M. Morrison. 2,509,012, May 23.
Record material equipment for accounting machines. J. T. Davidson, J. R. Ganger, J. H. Crawford, and H. F. Sadgebury. 2,503,805, Apr. 11.
Record material equipment for cash registers. J. J. Klosterman. 2,497,264, Feb. 14.
Record material inspecting device. R. H. Holmwood. 2,506,454, May 2.
Record material, Making pressure sensitive. B. K. Green. 2,505,471, Apr. 25.
Record material, Making pressure sensitive. B. K. Green. 2,505,481–9, Apr. 25.
Record material, Pressure sensitive. B. K. Green. 2,505,470, Apr. 25.
Record material, Pressure sensitive. B. K. Green. 2,505,472–80, Apr. 25.
Record medium, Magnetic. H. A. Howell. 2,501,126, Mar. 21.
Record member, Magnetic impulse. H. A. Howell. 2,525,601, Oct. 10.
Record perforation analyzing mechanism. G. F. Daly. 2,514,031, July 4.
Record, Phonograph. I. C. Clare. 2,529,282, Nov. 7.
Record, Phonograph. J. H. Hammond, Jr. 2,511,708, June 13.
Record player. I. Strauss and G. O. Kaye. 2,516,353, July 25.
Record player and radio, Combination. H. W. Schaefer. 2,519,292, Aug. 15.
Record playing mechanism. C. Metcalfe and A. J. Rae. 2,521,990, Sept. 12.
Record releasing mechanism. W. J. Morrill. 2,507,041, May 9.
Record reproducing system, Magnetic. D. L. O'Dea. 2,509,780, May 30.
Record scanner with means to prevent false operation. W. W. Carpenter. 2,496,150, Jan. 31.
Record sensing device. H. S. Beattie and R. E. Page. 2,528,411, Oct. 31.
Record sensing device of the capacitive type for use with business machines. E. O. Roggenstein. 2,512,879, June 27.
Record sensing device, Perforated. J. M. Cunningham. 2,517,984, Aug. 8.
Record sensing device, Pneumatic. F. M. Carroll and O. L. Hibbard. 2,510,552, June 6.
Record sheet assembly. S. B. Freiberg. 2,519,181, Aug. 15.
Record, Toothbrush. G. Cougias. 2,512,485, June 20.
Record transducing apparatus having a backing element for coupling a record tape to the magnetic head, Magnetic. A. P. Dank. 2,535,486, Dec. 26.
Record transducing head, Magnetic. O. Kornei. 2,513,653, July 4.
Record-transducing head, Ring-type magnetic. O. Kornei. 2,523,576, Sept. 26.
Record verifying device, Statistical. W. Wockenfuss. 2,499,617, Mar. 7.
Recorder adapter for motion-picture projectors, Magnetic. C. G. De Blasio. 2,532,761, Dec. 5.
Recorder and controller, X-ray radiation time. W. B. Pond. 2,528,545, Nov. 7.
Recorder and method, Dual channel magnetic. H. A. Howell. 2,532,917, Dec. 5.
Recorder and reproducer, Sound. J. O. Shepherd. 2,497,142, Feb. 14.
Recorder and synchronizer, Compact facsimile. W. G. H. Finch. 2,532,271, Nov. 28.
Recorder and transmitter, Magnetic. D. Mitchell. 2,527,145, Oct. 24.
Recorder, Audio-frequency. V. E. Suomi. 2,521,881. 2,522,119, Sept. 12.
Recorder, Ceilometer. E. G. Howe. 2,504,126, Apr. 18.
Recorder, Chronometric. W. K. Coburn. 2,495,652, Jan. 24.
Recorder-connector for use in telephone conversation recording. J. P. Smith, Jr. 2,529,636, Nov. 14.
Recorder, Depth sounding. W. R. Ryan and S. Levine. 2,501,236, Mar. 21.
Recorder, Dial impulse. C. E. Reeves. 2,495,769, Jan. 31.
Recorder for direction indicator, Performance. T. O. McCarthy. 2,520,948, Sept. 5.
Recorder for producing multiple duplicate records, Magnetic. R. J. Tinkham. 2,503,925, Apr. 11.
Recorder having a single marker for making a pair distinguishable records. A. H. Jordan. 2,501,604, Mar. 21.
Recorder, Inkless. D. Silverman. 2,501,791, Mar. 28.
Recorder, Linear time axis pressure. P. M. Higgs. 2,532,620, Dec. 5.
Recorder, Memo. B. A. Barrett. 2,520,707, Aug. 29.
Recorder, Meter reading. E. Sutherland. 2,524,299, Oct. 3.
Recorder, Multiple. H. A. Leedy and M. Camras. 2,528,279, Oct. 31.
Recorder, Panoramic azimuth. H. Hurvitz. 2,516,389, July 25.
Recorder, Photoelectric spark. D. Silverman. 2,501,790, Mar. 28.
Recorder pole piece and assembly, Magnetic. H. S. Heller. 2,514,577, July 11.
Recorder, Position. F. R. Ellenberger. 2,500,746, Mar. 14.
Recorder, Radar azimuth and distance indication. H. Hurvitz. 2,534,820, Dec. 19.
Recorder, Sequential inspection. F. G. Fales. 2,530,351, Nov. 14.
Recorder, Siphon. L. Chauveau. 2,506,136, May 2.
Recorder, Strip chart. G. Keinath. 2,516,217, July 25.
Recorder, Telemetric pulse time position. M. Wallace. 2,534,841, Dec. 19.
Recorder, Telephone. L. A. Michelini. 2,511,865, June 20.
Recorder, Temperature. H. C. Waters. 2,517,455, Aug. 1.
Recorder, Time interval. G. W. Barnes, Jr. 2,519,537, Aug. 22.
Recorder, Time-interval and sequence. H. A. Holmes. 2,517,316, Aug. 1.
Recorder using a crater lamp, Photographic facsimile. L. A. Thompson. 2,535,610, Dec. 26.
Recorder, Viscometer. R. N. Weltmann. 2,497,919, Feb. 21.
Recorder, Well logging. H. R. Scivally. 2,535,096, Dec. 26.
Recorder with permanent magnet and pivoting coil, Graphic. A. W. Niemann and L. P. Reitz, Jr. 2,506,648, May 9.
Recorder with strip printing type, Elapsed time. L. H. Williams. 2,496,686, Feb. 7.
Recording and optical system, Unitary. L. T. Sachtleben and J. L. Pettus. 2,504,591, Apr. 18.
Recording and reproducing apparatus. L. J. Barbara, M. M. Klein, and B. Howard. 2,525,995, Oct. 17.
Recording and reproducing apparatus, Image. G. C. Sziklai. 2,517,808, Aug. 8.
Recording and reproducing apparatus, Magnetic. J. P. Arndt, Jr., C. B. Jones, and S. J. Begun. 2,535,478, Dec. 26.
Recording and reproducing apparatus, Magnetic. R. J. Tinkham and R. L. Landon. 2,499,700, Mar. 7.
Recording and reproducing apparatus, Magnetic sound. T. M. Shrader. 2,507,385, May 9.
Recording and reproducing apparatus, Magnetic wire sound. D. B. McLouth, M. A. Neff, and W. P. Haboush. 2,501,573, Mar. 21.
Recording and reproducing apparatus, Magnetic wire sound. M. A. Neff. 2,500,903, Mar. 14.
Recording and reproducing apparatus, Sound. J. M. Kuhlik. 2,519,318, Aug. 15.
Recording and reproducing, Magnetic. J. P. Arndt, Jr., and J. E. Shomer, Jr. 2,521,623, Sept. 5.
Recording and reproducing, Magnetic. S. J. Begun. 2,513,616–17, July 4.
Recording and reproducing, Magnetic. S. J. Begun. 2,535,480, Dec. 26.
Recording and reproducing, Magnetic. H. B. Shaper and H. B. Miller. 2,513,683, July 4.
Recording and reproducing system, High-speed intelligence. F. W. Roberts. 2,534,060, Dec. 12.
Recording and reproduction system, Sound. H. S. Heller and W. E. Stofer. 2,514,578, July 11.
Recording and reproducing system with recorded control signal, Sound. J. T. Mullin. 2,529,097, Nov. 7.
Recording and reproducing two-sided magnetic records. D. R. Goddard. 2,496,047, Jan. 31.

Recording apparatus. A. C. Nielsen. 2,501,079, Mar. 21.
Recording apparatus, Elevation. D. Silverman. 2,524,934, Oct. 10.
Recording apparatus, Facsimile. G. J. Giel, Jr. 2,520,761, Aug. 29.
Recording apparatus for seismic waves, Optical. A. J. Z. Caan. 2,535,348, Dec. 26.
Recording apparatus, Magnetic. M. Camras. 2,496,441, Feb. 7.
Recording apparatus, Magnetic. L. B. Greenleaf and E. L. Kent. 2,519,245, Aug. 15.
Recording apparatus, Magnetic. A. W. Sear. 2,509,017, May 23.
Recording apparatus, Magnetic. J. B. Walker. 2,499,895, Mar. 7.
Recording apparatus, Magnetic sound. J. B. Walker. 2,498,746, Feb. 28.
Recording apparatus, Removable flight. C. M. Hathaway. 2,510,575, June 6.
Recording apparatus, Timepiece calibration. W. J. Loria and J. Suhre. 2,532,631, Dec. 5.
Recording apparatus with scanner inside drum, Facsimile. R. J. Wise. 2,511,892, June 20.
Recording blank, Electrosensitive. B. L. Kline. 2,528,005, Oct. 31.
Recording device. L. Garceau. 2,530,868, Nov. 21.
Recording device, Electrical. P. A. Kustra. 2,510,747, June 6.
Recording device for telephone transmitters. P. Kaelin. Sept. 12.
Recording device having clock operated starting means, Water-level. G. A. Lewis. 2,496,552, Feb. 7.
Recording device, Portable. R. S. Bonsall. 2,523,340, Sept. 26.
Recording device, Synagogue donation. H. Krissoff. 2,514,451, July 11.
Recording device, Telephone dial. W. J. Bennis. 2,518,859, Aug. 15.
Recording electrical impulses and impulse record produced thereby. J. A. Maurer, Jr. 2,519,194, Aug. 15.
Recording equipment, Photographic. R. S. Hopkins. 2,529,943, Nov. 14.
Recording head carriage guiding means. H. H. Allen. 2,513,441, July 4.
Recording head, Electrodynamic. C. R. Douglass, Jr. 2,514,379, July 11.
Recording information on stationary magnetic material. P. B. Murphy. 2,511,121, June 13.
Recording instrument mechanism. H. L. Bowditch. 2,534,569, Dec. 19.
Recording, Magnetic. C. D. Downs and J. Martin. 2,524,433, Oct. 3.
Recording material. R. W. James. 2,519,660, Aug. 22.
Recording mechanism, Rail flaw detector. H. C. Drake. 2,527,000-2 Oct. 24.
Recording medium, Translucent. J. B. Walker. 2,522,078, Sept. 12.
Recording on a strip chart. V. L. Parsegian, C. O. Fairchild, and N. L. Walker. 2,528,015, Oct. 31.
Recording or indicating, Method and apparatus for. J. A. Victoreen. 2,507,743, May 16.
Recording or transmitting apparatus using constant speed film, Television. R. L. Garman and F. N. Gillette. 2,525,891, Oct. 17.
Recording pen check mechanism. F. G. Buhrendorf and F. Dermond. 2,511,195, June 13.
Recording, reproducing, and erasing apparatus, Magnetic. H. T. Faus. 2,532,803, Dec. 5.
Recording sound on film. M. E. Collins. 2,527,399, Oct. 24.
Recording sound on wire. W. A. Brastad and L. F. Borchardt. 2,510,923, June 6.
Recording stylus feed means. R. D. Thayer. 2,528,190, Oct. 31.
Recording system, Double-track. J. O. Kleber. 2,517,440, Aug. 1.
Recording system employing record controlled apparatus, Data. J. O. Shepherd. 2,513,112, June 27.
Recording system, Film sound. G. R. Crane. 2,505,528, Apr. 25.
Recording system for automatic telephony, Automatic call. C. G. Miller. 2,531,637, Nov. 28.
Recording system, Photoelectric. E. N. Shawhan. 2,526,509, Oct. 17.
Recording system, Photographic sound. W. H. Bach. 2,518,743, Aug. 15.
Recording system, Pulse modulation sound. G. J. Lehmann and N. H. Young, Jr. 2,510,121, June 6.
Recording system, Stereophonic sound. K. de Boer. 2,532,150, Nov. 28.
Recording system, Telemetric. H. D. Giffen and T. B. Thomson, Jr. 2,502,215, Mar. 28.
Recording system, Variable-density push-pull sound. J. G. Frayne. 2,514,633, July 11.
Recording the readings of meters. M. K. Horan and J. W. Cade. 2,518,691, Aug. 15.
Recording unit, Electrically actuated. W. D. Cannon and M. Cantor. 2,502,419, Apr. 4.
Records, Making educational phonograph. M. H. Block. 2,519,103, Aug. 15.
Records, Making graphic. E. B. Stead. 2,500,907, Mar. 14.
Records, Making illustrated phonograph. T. F. Saffady. 2,528,611, Nov. 7.
Recovering ammonia. C. R. Liebel, J. H. Wells, and P. J. Wilson, Jr. 2,500,291, Mar. 14.
Recovering and purifying streptomycin. H. E. Alburn and E. G. Snyder. 2,531,869, Nov. 28.
Recovering anhydrous aluminum chloride from fluid aluminum-hydrocarbon complex. H. J. Hepp and W. W. Weinrich. 2,526,564, Oct. 17.
Recovering aromatic mercaptans from catalytic gasoline. J. K. McClennan and B. R. Strickland. 2,525,153, Oct. 10.
Recovering caffein. A. C. Shuman. 2,508,545, May 23.
Recovering chemicals in the manufacture of cellulose by digestion according to the alkaline sulfite and/or alkaline bisulfite methods. E. J. Larsson and J. H. Jonsson. 2,496,550, Feb. 7.
Recovering copper oxide and a d-tartrate from a spinning solution. H. Hofmann. 2,532,308, Dec. 5.
Recovering fatty acids from a sludge. J. R. Akers and C. B. Hamlin. 2,501,806, Mar. 28.
Recovering grisein. F. A. Kuehl, Jr., and L. Chaiet. 2,505,053, Apr. 25.
Recovering heat and suspended chemical particles from gases resulting from the combustion of a pulp residual liquor and apparatus therefor. J. L. Betts. 2,524,753, Oct. 10.
Recovering hydrocarbons from gaseous mixtures by freezing, Method and apparatus for. R. L. Slobod. 2,512,040, June 20.
Recovering meal particles from peanut skins. J. W. Kuehn. 2,496,009, Jan. 31.
Recovering refined resins from coal. E. Klepetko, P. De B. Kaye, and L. J. Hartzell, Jr. 2,506,300, May 2.
Recovering scrap metal. F. D. Chew. 2,493,391, Jan. 3.
Recovering soluble solids from fruit waste. C. S. Ash. 2,530,322, Nov. 14.
Recovering sulfonates of oil-soluble sulfonic acids from acid-treated hydrocarbon oils. G. Riethof, C. W. Montgomery, and G. P. Brown, Jr. 2,519,930, Aug. 22.
Recovering sulfur from pyrite. H. C. Renken. 2,530,630, Nov. 21.
Recovering vitamin B_{12}. F. J. Wolf. 2,530,416. Nov. 21.
Recovering volatile flavors. H. P. Milleville. 2,513,813, July 4.
Recovery and purification of aconitic acid. H. F. Reeves, Jr. 2,514,010, July 4.
Recovery and purification of antibiotics. H. E. Alburn and E. G. Snyder. 2,505,318, Apr. 25.
Recovery and utilization of olefins by an absorption-alkylation process. C. O. Baker. 2,530,143, Nov. 14.
Recovery of abietic acid. F. H. Gayer. 2,493,866, Jan. 10.
Recovery of abietic acid in the form of its quarter salt. F. H. Gayer. 2,493,867, Jan. 10.
Recovery of alcohol from a ternary solution. E. A. Gee and J. V. Bossche. 2,534,259, Dec. 19.
Recovery of aldehydes. N. Max. 2,514,961, July 11.
Recovery of alkyllead. H. J. Madden. 2,513,659, July 4.
Recovery of alkyllead compounds. I. T. Krohn. 2,513,654, July 4.
Recovery of anhydrous aluminum chloride from a fluid aluminum chloride-hydrocarbon complex. H. R. Sailors and H. J. Hepp. 2,525,830, Oct. 17.
Recovery of asbestos from asbestos tailings. R. E. Crockett. 2,500,154, Mar. 14.
Recovery of boron fluoride. G. N. Cade. 2,507,499, May 16.
Recovery of C^{14} activities. B. A. Fries. 2,532,490, Dec. 5.
Recovery of cherry juice or syrup from cherry brine. G. B. Nickol. 2,494,257, Jan. 10.
Recovery of chlorinated hydrocarbons. F. L. Padgitt. 2,531,361, Nov. 21.
Recovery of chlorobenzene. R. H. F. Manske, E. B. Trickey, and G. S. Myers. 2,511,166–7, June 13.
Recovery of citrus oil. M. C. Carnarius, Jr. 2,506,776, May 9.
Recovery of concentrated acetic acid from wood distillation vapors, Direct. H. Suida. 2,509,539, May 30.
Recovery of crab meat. R. M. Johnson. 2,522,578, Sept. 19.
Recovery of cyclotrimethylenetrinitramine. W. de C. Crater. 2,535,350, Dec. 26.
Recovery of cystine from hair. H. L. Keil. 2,523,955, Sept. 26.
Recovery of dehydroabietic acid. F. H. Gayer. 2,503,238, Apr. 11.
Recovery of elemental sulfur from acidic gases. S. L. Nevins and J. S. Gilliam, Jr. 2,497,095, Feb. 14.
Recovery of estrogens from urine. W. Turner, E. C. Elliott, and I. Richlin. 2,519,516, Aug. 22.
Recovery of ethyl acetate from butadiene crude by-product oils. L. W. Royer and R. L. Iverson. 2,525,829, Oct. 17.
Recovery of ethyl chloride. C. B. Linn. 2,530,661, Nov. 21.
Recovery of ethylidene fluoride from gas mixtures containing same. J. D. Calfee and F. H. Bratton. 2,508,221, May 16.
Recovery of fatty acids from dilute aqueous solutions. H. W. Scheeline, L. D. Etherington, and J. P. Morgan. 2,526,508, Oct. 17.
Recovery of furfural from furfural-polymer mixtures. C. T. Anné and R. F. Nelson. 2,494,325, Jan. 10.
Recovery of gasoline from enriched absorber oils. J. J. Weatherby. 2,523,747, Sept. 26.

Recovery of glutamic acid and other values from Steffen waste water. A. N. Bennett. 2,535,117, Dec. 26.
Recovery of glutamic compounds from gultamine contained in an impure solution thereof. E. B. Fitch. 2,528,047, Oct. 31.
Recovery of glutamic material in the ionic purification treatment of sugar-bearing solutions. R. T. Jacobs and E. B. Fitch. 2,510,980, June 13.
Recovery of heat and SO_2 gas from relief gases and waste liquor, Automatically controlled. C. J. Lockman. 2,494,098, Jan. 10.
Recovery of hydrocarbons from natural gas. J. W. Latchum, Jr. 2,504,429, Apr. 18.
Recovery of hydrogen halides. M. P. Matuszak. 2,520,947, Sept. 5.
Recovery of iron from its ores. A. G. Oppegaard. 2,523,138, Sept. 19.
Recovery of labile biological materials. G. W. McMillan and F. J. Rudert. 2,523,442, Sept. 26.
Recovery of lactalbumin. G. Josh and M. E. Hull. 2,521,853, Sept. 12.
Recovery of lactalbumin. G. J. Strezynski. 2,520,615, Aug. 29.
Recovery of lower alkanoic acids from sulfonation reaction products. C. E. Adams and C. E. Johnson. 2,523,490, Sept. 26.
Recovery of maleic or phthalic anhydride from wet process gas mixtures. M. J. P. Hartig. 2,518,312, Aug. 8.
Recovery of manganese by electrolysis. F. S. Griffith. 2,497,725. Feb. 14.
Recovery of mono-chlorhydrins from aqueous solutions thereof. E. F. Chandley, H. Steiner, and E. Zimkin. 2,528,262, Oct. 31.
Recovery of nickel and cobalt compounds. R. C. Hills and M. F. Dufour. 2,531,336, Nov. 21.
Recovery of olefin hydrocarbons. G. C. Ray. 2,526,971, Oct. 24.
Recovery of ortho-xylene by chemical treatment and distillation. R. B. Greene. 2,504,830, Apr. 18.
Recovery of oxidized petroleum products. A. P. Kozacik and A. N. Sachanen. 2,522,678, Sept. 19.
Recovery of oxygen from the atmosphere. W. Dennis. 2,502,250. Mar. 28.
Recovery of oxygenated compounds and hydrocarbons from mixtures thereof. R. F. Marschner. 2,533,675, Dec. 12.
Recovery of phthalic anhydride from still residue. H. I. Thayer. 2,526,710. Oct. 24
Recovery of powdered catalyst in conversion operations on gases or vapors. J. W. Jewell. 2,515,371, July 18.
Recovery of protein from keratinous materials. E. C. Koerner. 2,535,684, Dec. 26.
Recovery of proteolytic proenzymes. H. L. Keil and R. E. Burgess. 2,506,877, May 9.
Recovery of pure cyclo-olefins. P. H. Carnell. 2,517,839, Aug. 8.
Recovery of quinaldine. K. H. Engel. 2,510,875, June 6.
Recovery of resins from coal. E. Klepetko, P. De B. Kaye, and L. J. Hartzell, Jr. 2,506,301, May 2.
Recovery of secondary alcohols from acid extracts. V. F. Mistretta and H. G. Schneider. 2,502,978, Apr. 4.
Recovery of 7-substituted-4-hydroxyquinolines. C. C. Price and R. H. Reitsema. 2,512,551, June 20.
Recovery of silver from solutions of silver salts. E. Farber and M. Sciascia. 2,493,396, Jan. 3.
Recovery of sodium sulfate. H. J. Hegan. 2,521,367, Sept. 5.
Recovery of sterols from wool fat. H. H. Young and E. F. Christopher. 2,528,482, Oct. 31.
Recovery of styrene, etc., and concentration of latex, Simultaneous. C. R. Johnson. 2,514,207, July 4.
Recovery of sucrose from molasses. J. H. Payne. 2,501,914, Mar. 28.
Recovery of sulfamethazine and sulfaguanidine. H. H. Richmond. 2,521,096, Sept. 5.
Recovery of the constituents of gaseous mixtures. W. Dennis. 2,530,602, Nov. 21.
Recovery of the unsaponifiable fractions of fatty materials. L. O. Buxton. 2,508,220, May 16.
Recovery of 2,4-lutidine and 2,3-lutidine. K. H. Engel. 2,510,876, June 6.
Recovery of values from aluminum scrap. F. J. Hansgirg. 2,527,723, Oct. 31.
Recovery of vanadium and chromium. F. L. Kingsbury and F. J. Schultz. 2,530,616, Nov. 21.
Recovery of zinc, Electrolytic. D. L. Griffith and E. I. Isherwood. 2,496,996, Feb. 7.
Rectangular pot-type oil burner. C. A. Miller, J. Thomson, and F. J. Ryno. 2,524,067, Oct. 3.
Rectifier. H. E. Cartier. 2,522,929, Sept. 19.
Rectifier. C. A. Escoffery. 2,531,415, Nov. 28.
Rectifier. C. A. Escoffery and W. H. Hawk. 2,510,092, June 6.
Rectifier. S. S. Fry. 2,514,044, July 4.
Rectifier. J. M. Girard. 2,495,716, Jan. 31.
Rectifier. C. C. Hein. 2,496,721, Feb. 7.
Rectifier. D. W. Ross and J. J. Hopkins. 2,516,344, July 25.
Rectifier and inverter, Synchronous. K. L. Hansen. 2,493,403, Jan. 3.
Rectifier and photoelectric cell, Metal contact. E. A. Richards and L. J. Ellison. 2,517,602, Aug. 8.
Rectifier, Argentous. M. Lazarus. 2,493,076, Jan. 3.
Rectifier arrangement cooperating with at least one alternating current-excited electromagnet, particularly an electromagnetic relay, Double-acting. O. Tschumi. 2,529,118, Nov. 7.
Rectifier arrangement for switching purposes. O. Tschumi. 2,503,011, Apr. 4.
Rectifier assembly, Liquid-cooled. C. C. Hein. 2,501,331, Mar. 21.
Rectifier, Dry plate selenium. S. S. Fry. 2,493,241, Jan. 3.
Rectifier element. C. C. Hein and J. W. Stevenhagen. 2,508,161, May 16.
Rectifier for motion-picture projectors, Optical. A. L. Gras. 2,523,694, Sept. 26.
Rectifier, High-voltage. O. H. Schade. 2,534,532, Dec. 19.
Rectifier measuring circuit. R. Keitley. 2,521,522, Sept. 5.
Rectifier, Mechanical. E. Diebold. 2,502,932, Apr. 4.
Rectifier of the selenium type, Metal. E. A. Richards. 2,493,643, Jan. 3.
Rectifier, Regulated. L. P. Cronvall and G. Winkler. 2,533,225, Dec. 12.
Rectifier, Selenium. W. E. Blackburn. 2,496,432, Feb. 7.
Rectifier, Selenium. W. E. Blackburn. 2,496,692. Feb. 7.
Rectifier, Selenium. W. E. Blackburn. 2,498,240, Feb. 21.
Rectifier, Selenium. L. S. Pelfrey. 2,524,270, Oct. 3.
Rectifier, Selenium. A. M. Searle. 2,498,714, Feb. 28.
Rectifier, Selenium. R. E. Shearer. 2,510,322, June 6.
Rectifier, Thermionic gas-filled. H. T. Ramsay. 2,514,165, July 4.
Rectifier unit. C. A. Escoffery and W. H. Hawk. 2,498,666, Feb. 28.
Rectifier unit. C. A. Kotterman. 2,498,890, Feb. 28.
Rectifier with direct-current saturable reactor for voltage regulation. H. Elmlund and U. Lamm. 2,524,220, Oct. 3.
Rectifiers. M. Goodman. 2,507,782, May 16.
Rectifiers, Producing selenium. N. W. H. Addink. 2,510,361, June 6.
Rectifying installation. H. A. W. Klinkhamer. 2,502,729, Apr. 4.
Rectum fitting. L., S. M., and G. Gottlieb. 2,534,664, Dec. 19.
Recycling catalyst fines in a catalyst conversion system. C. S. Reed and A. H. Schutte. Re. 23,241, June 13.
Reducing agent comprising glucosimin decomposition products and producing same. R. E. Gunther, M. Kohn, and D. C. Stone. 2,500,147. Mar. 14.
Reducing foam in acid concentrators. C. J. Robrecht and C. W. Smith. 2,530,954, Nov. 21.
Reducing frosting in low-temperature freezers. J. R. Chamberlain. 2,498,248, Feb. 21.
Reducing the carbon content of steel. H. W. McQuaid. 2,523,475, Sept. 26.
Reducing the concentration of silica in sodium aluminate solutions. E. P. Flint, L. Shartsis, and L. S. Wells. 2,519,362, Aug. 22.
Reducing the distortion in the transmission of signals, Process and apparatus for. R. J. C. Roquet and H. M. Bayard. 2,515,058, July 11.
Reducing the far-end cross-talk between concentric pairs due to tertiary circuits. G. Fuchs. 2,526,942, Oct. 24.
Reducing thermal shock high-temperature valve. S. D. Lawson. 2,497,780, Feb. 14.
Reduction by attrition. O. C. Gruender. 2,509,919, May 30.
Reduction gear. J. D. Christian. 2,504,066, Apr. 11.
Reduction of carbon oxide by hydrogen, Catalytic. W. G. Frankenburg. 2,531,420, Nov. 28.
Reduction of ketones. P. J. Breivogel. 2,509,127, May 23.
Reduction of noise in pulse position modulation systems. G. H. Huber. 2,509,064, May 23.
Reduction of sugars, Electrolytic. H. R. Hefti and W. Kolb. 2,507,973, May 16.
Reduction of tube seal heating in high-frequency apparatus. W. F. Goetter. 2,502,144, Mar. 28.
Reduction of zinc, The electrothermic. G. F. Weaton and W. T. Isbell. 2,509,326, May 30.
Reed for looms. V. C. Hassold. 2,494,123, Jan. 10.
Reed mute. V. I. Zuck. 2,520,079, Aug. 22.
Reel: *See*—

Antenna reel.
Automatic two-speed fishing reel.
Bait casting reel.
Binder-strapping reel.
Cable reel.
Canned food cooker reel.
Clothesline reel.
Collapsible reel.
Collapsible yarn reel.
Conductor reel.
Electric cord reel.
Film developing reel.
Film development reel.
Fishing reel.
Fluid actuated hose reel.
Free spool triple multiplying bait casting reel.
Hand line reel.
Hose reel.
Lawn mower cutting reel.
Lawn mower reel.
Leader reel.
Line drying reel.
Multiple clothesline reel.
Pipe cleaning tape reel.
Portable garden hose reel.
Self-advancing winding reel.
Separable moving picture film reel.
Sheet metal reel.
Spinning type casting reel.
Swiveled stepped bobbin fishing reel.
Tractor operated wire winding and unwinding reel.
Trotline fishing reel.
Utility reel.
Welded metal reel.

Reel. K. C. Bugg and H. L. Hart. 2,530,114, Nov. 14.
Reel. A. A. Bureau. 2,503,374, Apr. 11.
Reel. A. A. Bureau and E. M. Denny. 2,514,932, July 11.
Reel. E. M. Denny. 2,501,596, Mar. 21.
Reel. K. C. Edwards. 2,518,533, Aug. 15.
Reel. W. G. Esmond. 2,508,504, May 23.
Reel. A. P. Fox. 2,499,909, Mar. 7.
Reel. T. B. Gibbs, G. F. Laing, and B. A. Warmey. 2,528,271, Oct. 31.
Reel. J. E. Johnson and C. R. Yirava. 2,530,773, Nov. 21.
Reel. J. M. Kuhlik. 2,510,475, June 6.
Reel. M. J. Shedlock. 2,514,144, July 4.
Reel. G. C. Swenson. 2,524,406, Oct. 3.
Reel. T. C. Thompson. 2,503,526, Apr. 11.
Reel. B. L. Tomala. 2,515,430, July 18.
Reel and cabinet, Selector-type book. G. R. Bossetta. 2,525,165, Oct. 10.
Reel and holder for drain cleaner snakes. F. L. Carson. 2,504,391, Apr. 18.
Reel and holder therefor, Fishline drying. B. T. Fong. 2,510,394, June 6.
Reel blade forming machine. A. R. Cooper. 2,512,224, June 20.
Reel construction. N. R. Krause and C. W. Hansen. 2,499,998, Mar. 7.
Reel construction, Feathering. S. C. Heth and W. B. Tallman. 2,497,729, Feb. 14.
Reel, Fishing. E. J. Von Pein. 2,528,926, Nov. 7.
Reel for cables and the like, Self-winding. D. Rushworth. 2,518,071, Aug. 8.
Reel for driving and storing flexible pipe-cleaning elements, Rotary. W. Burton. 2,501,311, Mar. 21.
Reel for electrical cables. G. Alfano. 2,533,341, Dec. 12.
Reel for fishing rods. C. J. Holm. 2,523,827, Sept. 26.
Reel for gasoline dispensers, Positive action. A. B. Steuart. 2,494,525, Jan. 10.
Reel for harvesters, Gathering. C. V. Everett. 2,506,016, May 2.
Reel for metal sutures. E. Themak. 2,499,890, Mar. 7.
Reel for motion-picture film and the like. W. E. Johnston. 2,529,501, Nov. 14.
Reel for portable, electrically operated tools. D. Rushworth. 2,518,072, Aug. 8.
Reel for tank trucks, Power-driven hose. M. E. Brown. 2,509,476, May 30.
Reel for tractors, Barbed-wire. C. C. Groves. 2,527,634, Oct. 31.
Reel grab, Expanding arbor type. G. K. Reynolds. 2,507,577, May 16.
Reel mechanism. L. E. Simmons. 2,515,805, July 18.
Reel of the type known as "spinning reel," Fishing. H. G. Shakespeare and G. D. Harrington. 2,521,543, Sept. 5.
Reel or spool. R. V. Olson. 2,497,556, Feb. 14.
Reel support. M. Z. Rabinow. 2,504,046, Apr. 11.
Reel system, Take-up. V. E. Pratt and G. F. Gray. 2,503,453, Apr. 11.
Reel tension device. G. J. Kennedy. 2,498,336, Feb. 21.
Reel unit for lawn mowers, Cutting. H. L. Blydenburgh. 2,505,878, May 2.
Reel with backlash control, Fishing line. L. R. Hutchison. 2,516,517, July 25.
Reeling apparatus. O. A. Thompson. 2,517,055, Aug. 1.
Reeling device. N. V. Smith. 2,495,392, Jan. 24.
Reeling device, Barbed-wire. J. Grounds. 2,507,903, May 16.
Reeling device, Blueprint. O. R. Barber and J. J. McSweeney. 2,510,058, June 6.
Reeling device, Clothesline. O. C. Erickson. 2,498,799, Feb. 28.
Reeling device for wire records. W. Howey. 2,509,500, May 30.
Reeling mechanism, Electric cord. C. F. Duerr, Jr. 2,506,583, May 9.
Reeling method and apparatus, Paper. W. R. Thomson. 2,528,713, Nov. 7.
Reeling system. E. S. Peterson. 2,496,890, Feb. 7.
Reeling system for plural track magnetic records. E. E. Masterson and N. Urquhart. 2,524,064, Oct. 3.
Reexposure apparatus. J. Rabinowitz. 2,508,928, May 23.
Reference book cabinet. T. H. Lyons. 2,501,608, Mar. 21.
Refinery valve. R. Eichenberg. 2,496,451, Feb. 7.
Refining and concentrating crude unsaturated aldehydes. G. J. Pierotti. 2,514,967, July 11.
Refining and concentrating crude unsaturated aldehydes by extractive distillation. G. J. Pierotti, A. E. Handlos, and C. M. Reider. 2,514,966, July 11.
Refining apparatus. R. H. Fash. 2,534,253, Dec. 19.
Refining copolymeric beads of isopropenyl acetate and fumaric acid alkyl esters. W. M. Gearhart and H. R. McAmis. 2,507,153, May 9.
Refining fatty oils. G. H. Palmer. 2,505,338, Apr. 25.
Refining heavy oils. H. C. Paulsen. 2,526,499, Oct. 17.
Refining highly aromatic petroleum stocks. H. D. Hartough and D. E. Badertscher. 2,501,602, Mar. 21.
Refining hydrocarbons. E. Manning, Jr. 2,508,038, May 16.
Refining method and apparatus. R. H. Fash. 2,512,245, June 20.
Refining of fatty oils, Solvent. H. J. Passino. 2,523,630, Sept. 26.
Refining of hydrocarbon alcohols, Catalytic. H. Hoog, W. F. Engel, and J. Koome. 2,525,354, Oct. 10.
Refining of lead or lead alloys containing bismuth, The electrolytic. J. C. Dittmer. 2,507,096, May 9.
Refining of light oils, Solvent. G. B. Arnold and L. Kovach. 2,529,274, Nov. 7.
Refining of light oils, Solvent. R. E. Manley. 2,507,861, May 16.
Refining of reclaimed rubber. C. H. Campbell. 2,524,375, Oct. 3.
Refining of rutile. E. H. Goda. 2,496,993, Feb. 7.
Refining of vegetable wax powder. H. F. Johnson and E. S. McLoud. 2,527,481, Oct. 24.
Refining oil with a selective solvent. J. A. Davies. 2,497,588, Feb. 14.
Refining oil with a solvent. G. B. Arnold and W. E. Skelton. 2,534,383, Dec. 19.
Refining oil with a solvent. W. E. Skelton and G. B. Arnold. 2,534,382, Dec. 19.
Refining penicillin X ammonium salt. M. Senkus. 2,523,482, Sept. 26.
Refining penicillin X potassium salt. E. B. Hodge. 2,520,099, Aug. 22.
Refining process, Soybean oil. H. M. Unschuld. 2,516,733, July 25.
Refining rutin. J. F. Couch, C. F. Krewson, and W. L. Porter. 2,500,930, Mar. 21.
Refining rutin. C. F. Krewson, J. Naghski, and W. L. Porter. 2,534,275, Dec. 19.
Refining tall oil. L. E. Gates and L. A. Radeker. 2,525,892, Oct. 17.
Refining Trinidad asphalt. P. R. Smith. 2,503,175, Apr. 4.
Reflecting means for limiting vision of aircraft pilots. G. C. Francis and N. T. Patterson. 2,522,938, Sept. 19.
Reflection reducing coatings having uniform reflection for all wave lengths of light and forming such coatings. H. R. Moulton. 2,531 945, Nov. 28.
Reflector and Venetian blind housing, Combined. R. L. Gibson and O. C. Gibson. 2,528,132, Oct. 31.
Reflector, Buoy supported collapsible radar. S. E. Golian and R. M. Whitmer. 2,534,710, Dec. 19.
Reflector construction, Knockdown. W. A. Komulaine. 2,522,230. Sept. 12.
Reflector, Electric-light projecting. B. J. Piqué. 2,501,140, Mar. 21.
Reflector, Foldable. C. W. Ostrom. 2,513,961, July 4.
Reflector for cinematograph cameras, Rotatable. C. Vinten. 2,506,909, May 9.
Reflector for musical wind instruments. O. C. Swihart. 2,494,783, Jan. 17.
Reflector for pedestrian protection, Arm. E. L. Richards. 2,502,535, Apr. 4.
Reflector for radar navigation. H. Iams. 2,510,020, May 30.
Reflector for ultra high frequency radiant energy, Collapsible multicorner. F. W. Dunmore and H. Lyons. 2,498,660, Feb. 28.
Reflector for vehicles, Oscillating signal. F. S. Rader. 2,503,509, Apr. 11.
Reflector, Pattern density ray approximating. I. J. Barber. 2,492,946, Jan. 3.
Reflex amplification utilizing camera tube. G. C. Szikiai. 2,532,793, Dec. 5.
Reflux splitter. G. R. Skopecek. 2,518,574, Aug. 15.
Reforming gasoline. W. G. Annable. 2,510,673, June 6.
Reforming machine. H. B. Peterson. 2,505,004, Apr. 25.
Reforming machine. H. B. Peterson. 2,513,358, July 4.
Reforming of gasoline, Catalytic. D. D. Davidson. 2,508,014, May 16.
Refractometer. A. Arnulf. 2,502,913, Apr. 4.
Refractory and heat insulated induction heating head. M. P. Albertson, Jr. 2,510,942, June 13.
Refractory and making the same. H. G. Fisk. 2,528,471, Oct. 31.
Refractory composition. J. M. Mochel. 2,498,622, Feb. 21.
Refractory composition and product, Vitrifying. H. L. Whitman. 2,534,327–8, Dec. 19.
Refractory compositions for use in foundry and the like. H. J. Daussan. 2,499,729, Mar. 7.
Refractory concrete. F. E. Lobaugh. 2,516,893, Aug. 1.
Refractory element for downdraft furnaces. J. R. Fellows. 2,497,877, Feb. 21.
Refractory element for stoves and the like. J. C. Miles. 2,504,141, Apr. 18.
Refractory lined container. G. G. Smith. 2,526,289, Oct. 17.
Refractory liner material. D. Meyer and M. G. Balzer. 2,532,592, Dec. 5.
Refractory shape and making. C. Hyde and F. P. Shonkwiler. 2,501,336, Mar. 21.
Refrigerant control system. H. J. Matteson. 2,533,600, Dec. 12.
Refrigerant control system. W. L. Morrison. 2,502,663, Apr. 4.
Refrigerant expansion device. G. Mettler. 2,534,874, Dec. 19.
Refrigerant expansion valve. C. L. Aughey and L. V. McCarty. 2,520,191, Aug. 29.
Refrigerant flow control. E. W. Zearfoss, Jr. 2,518,587, Aug. 15.
Refrigerant mixture and refrigerating cars and other enclosed spaces therewith. S. B. Wiczer. 2,516,166, July 25.
Refrigerant purifier and control apparatus, Combined. J. F. Winkler. 2,512,758, June 27.

Refrigerant unit, Refreezable. A. E. Whitecar. 2,504,911, Apr. 18.
Refrigerated ball dispenser. J. P. Henderson. 2,525,261, Oct. 10.
Refrigerated cabinet. A. G. Howard. 2,500,609, Mar. 14.
Refrigerated car. H. V. Williamson. 2,502,192, Mar. 28.
Refrigerated display case. E. F. Brill and O. Schroeder. 2,499,088–9, Feb. 28.
Refrigerated display case. E. F. Brill and O. Schroeder. 2,522,090, Sept. 12.
Refrigerated dough mixer. M. A. Sticelber. 2,504,465, Apr. 18.
Refrigerated juice dispenser. T. M. Williams. 2,513,610, July 4.
Refrigerated self-service display case. D. J. Greiling. 2,529,384, Nov. 7.
Refrigerated self-service display case. M. D. MacMaster and V. W. Smith. 2,494,481, Jan. 10.
Refrigerated shipping container. G. B. Wagner. 2,528,715, Nov. 7.
Refrigerated structure with curved door. K. A. Weber. 2,534,488, Dec. 19.
Refrigerated vehicle. C. F. Henney. 2,532,618, Dec. 5.
Refrigerated vehicle. H. C. Hopp. 2,504,689, Apr. 18.
Refrigerating and aging meat, Method and apparatus for. B. E. Williams. 2,494,024, Jan. 10.
Refrigerating apparatus. L. S. Cooper. 2,512,090, June 20.
Refrigerating apparatus. G. H. Davis. 2,511,568, June 13.
Refrigerating apparatus. R. W. Doeg. 2,500,669, Mar. 14.
Refrigerating apparatus. L. B. French and J. F. Sweeney. 2,525,172, Oct. 10.
Refrigerating apparatus. R. S. Gaugler. 2,517,654, Aug. 8.
Refrigerating apparatus. W. Giffard. 2,509,591, May 30.
Refrigerating apparatus. W. Giffard. 2,515,212, July 18.
Refrigerating apparatus. C. F. Henney. 2,514,579, July 11.
Refrigerating apparatus. J. W. Jacobs. 2,507,305, May 9.
Refrigerating apparatus. E. P. Kellie. 2,500,688, Mar. 14.
Refrigerating apparatus. L. C. Luneke. 2,518,344, Aug. 8.
Refrigerating apparatus. L. A. Philipp. 2,509,609–12, May 30.
Refrigerating apparatus. L. A. Philipp. 2,509,614, May 30.
Refrigerating apparatus. L. A. Philipp. 2,514,792, July 11.
Refrigerating apparatus. L. A. Philipp. 2,515,526, July 18.
Refrigerating apparatus. C. C. Preston. 2,503,595, Apr. 11.
Refrigerating apparatus. E. F. Schweller. 2,517,725, Aug. 8.
Refrigerating apparatus, Absorption. R. S. Gaugler. 2,514,572, July 11.
Refrigerating apparatus, Absorption. H. Stierlin. 2,529,113, Nov. 7.
Refrigerating apparatus, Carbon dioxide. C. E. Quinn. 2,511,176, June 13.
Refrigerating apparatus, Ejector pump. W. H. De Lancey. 2,530,293, Nov. 14.
Refrigerating apparatus for the cold storage of goods. E. E. Larkin. 2,517,686, Aug. 8.
Refrigerating apparatus for window mounting. E. S. Dybvig. 2,498,661, Feb. 28.
Refrigerating apparatus having a removable panel unit. L. A. Philipp. 2,509,615, May 30.
Refrigerating apparatus having adjustable partitions. L. A. Philipp. 2,511,126, June 13.
Refrigerating apparatus having means for disposal of defrost water. L. A. Philipp. 2,511,125, June 13.
Refrigerating apparatus having receptacle secured to door. W. Giffard. 2,509,592, May 30.
Refrigerating apparatus, Temperature and humidity controlled. F. Gregor. 2,506,448, May 2.
Refrigerating apparatus utilizing dry ice. A. G. Brown. 2,523,530, Sept. 26.
Refrigerating control apparatus. L. B. Koontz. 2,534,455, Dec. 19.
Refrigerating device. A. H. Rodeck. 2,515,840, July 18.
Refrigerating food products. W. B. Haggerty. 2,501,898, Mar. 28.
Refrigerating food products. H. W. Protzeller. 2,511,875, June 20.
Refrigerating food products, Method of and apparatus for. H. W. Protzeller. 2,511,877, June 20.
Refrigerating machine, Centrifugal. H. A. A. Exner. 2,522,781, Sept. 19.
Refrigerating means, including a plurality of fans and adjustable means for driving the same. E. F. Dickieson, Jr. 2,494,117, Jan. 10.
Refrigerating means with air pump circuit. H. W. Protzeller. 2,511,876, June 20.
Refrigerating mechanism. G. Muffly. 2,497,903, Feb. 21.
Refrigerating method and apparatus. J. A. Cross. 2,512,576, June 20.
Refrigerating method and apparatus utilizing dry ice. G. B. Wagner. 2,496,241, Jan. 31.
Refrigerating, Method of and apparatus for. N. C. Powers. 2,500,202, Mar. 14.
Refrigerating plant. W. Sampson and R. L. J. Hayden. 2,521,751, Sept. 12.
Refrigerating railroad cars, Method and apparatus for. K. V. Plummer and R. D. Pike. 2,501,141, Mar. 21.
Refrigerating structure for vending machines. E. C. Johnson. 2,526,667, Oct. 24.
Refrigerating system. A. Katzow. 2,497,819, Feb. 14.
Refrigerating system having a detachable unit. S. S. Corhanidis. 2,525,868, Oct. 17.
Refrigerating system having air circulating means. H. E. Christman. 2,530,598, Nov. 21.
Refrigerating system including flow control devices. H. F. Lathrop. 2,497,677, Feb. 14.
Refrigerating system, Low-pressure absorption. E. P. Whitlow. 2,510,730, June 6.
Refrigerating system removably mounted. S. S. Corhanidis. 2,525,869, Oct. 17.
Refrigerating system, Reverse cycle. A. B. Newton. 2,498,861, Feb. 28.
Refrigerating system, Vacuum type water absorption. A. R. Thomas. 2,518,202, Aug. 8.
Refrigerating system with absorbent concentration control, Absorption. J. G. Reid, Jr. 2,518,180, Aug. 8.
Refrigerating systems, Conditioning. I. E. McCabe. 2,495,378, Jan. 24.
Refrigerating unit, Domestic. H. W. Kleist. 2,496,220, Jan. 31.
Refrigerating unit, Portable. H. F. Solomon. 2,510,527, June 6.
Refrigeration. C. T. Ashby and C. A. Miller. 2,504,784, Apr. 18.
Refrigeration. N. Erland af Kleen. 2,528,004, Oct. 31.
Refrigeration. L. McNeely. 2,494,978, Jan. 17.
Refrigeration. P. Schlumbohm. 2,496,816, Feb. 7.
Refrigeration. O. B. Sutton. 2,508,000, May 16.
Refrigeration. H. Waterman. 2,531,373, Nov. 21.
Refrigeration. E. P. Whitlow. 2,494,977, Jan. 17.
Refrigeration, Absorption. W. G. Kogel. 2,501,606, Mar. 21.
Refrigeration, Aircraft. N. E. af Kleen. 2,499,736, Mar. 7.
Refrigeration apparatus. S. M. Bäckström. 2,496,143, Jan. 31.
Refrigeration apparatus. G. A. Halfvarson. 2,500,751, Mar. 14.
Refrigeration apparatus. W. C. Hume. 2,504,528, Apr. 18.
Refrigeration apparatus. R. E. Tobey. 2,519,943, Aug. 22.
Refrigeration apparatus, Absorption. A. R. Thomas. 2,522,410, Sept. 12.
Refrigeration apparatus control. W. F. Borgerd. 2,527,790, Oct. 31.
Refrigeration apparatus having a damper controlled by a thermostat. A. E. Truelove. 2,500,779, Mar. 14.
Refrigeration apparatus, including means for limited removal of noncondensable gases. R. M. Bullington. 2,510,737, June 6.
Refrigeration cabinet. W. S. Connell. 2,531,323, Nov. 21.
Refrigeration control, Load-responsive. E. L. Schulz and E. A. Bailey. 2,523,451, Sept. 26.
Refrigeration control valve. K. E. Wilson. 2,518,212, Aug. 8.
Refrigeration expansion valve. F. Y. Carter. 2,511,565, June 13.
Refrigeration expansion valve. E. J. Dillman. 2,520,386, Aug. 29.
Refrigeration, Heat operated compression. A. Katzow. 2,511,716, June 13.
Refrigeration, Low-pressure absorption. C. E. Skomp. 2,510,763, June 6.
Refrigeration method and apparatus utilizing carbon dioxide in a solvent. M. S. Plesset and T. N. Floyd. 2,507,866, May 16.
Refrigeration motor control. E. Thompson. 2,519,006, Aug. 15.
Refrigeration, Multiple temperature. M. F. Booth. 2,528,574, Nov. 7.
Refrigeration system. K. M. Gerteis. 2,510,881, June 6.
Refrigeration system. E. Gygax. 2,497,450, Feb. 14.
Refrigeration system. V. C. Patterson. 2,503,212, Apr. 4.
Refrigeration system. F. D. Peltier. 2,516,586, July 25.
Refrigeration system. M. J. Wilson. 2,506,757, May 9.
Refrigeration system, Absorption. A. A. Berestneff. 2,520,027, Aug. 22.
Refrigeration system and method. E. W. Zearfoss, Jr. 2,519,010, Aug. 15.
Refrigeration system and method, Expansion. B. J. Ferro, Jr. 2,494,120, Jan. 10.
Refrigeration system and process, Absorption. C. T. Sorensen, 2,525,431, Oct. 10.
Refrigeration system, including a purge arrangement, Absorption. A. R. Thomas. 2,494,972, Jan. 17.
Refrigeration system, including capillary tube. W. L. McGrath. 2,520,045, Aug. 22.
Refrigeration unit. J. E. Ahrens. 2,496,652, Feb. 7.
Refrigeration unit, Mobile. H. C. Hopp. 2,533,583, Dec. 12.
Refrigeration unit, Multiple compressor truck. A. R. Clark. 2,518,284, Aug. 8.
Refrigeration unit, Transportation. H. W. Kleist. 2,523,957, Sept. 26.
Refrigeration unit vibration mounting. S. O. Morrison. 2,521,645, Sept. 5.

Refrigeration unit with cabinet structure, Removable. J. L. Fletcher, W. Peglow, and T. G. Crider. 2,535,790, Dec. 26.
Refrigeration utilizing holdover means, Single stage. W. A. Grant. 2,515,825, July 18.
Refrigerator. L. F. Clerc. 2,498,028, Feb. 21.
Refrigerator. N. O. Long. 2,498,562, Feb. 21.
Refrigerator. W. L. Morrison. 2,507,378, May 9.
Refrigerator. J. T. Romito. 2,522,465, Sept. 12.
Refrigerator. E. O. Sears. 2,498,379, Feb. 21.
Refrigerator and air-cooling unit, Combined electrical. O. J. Alvarez. 2,493,378, Jan. 3.
Refrigerator and cooker, Combined. H. E. and M. S. Berman. 2,504,794, Apr. 18.
Refrigerator and method, Food treating and storing. R. F. James. 2,533,732, Dec. 12.
Refrigerator and water cooler. O. C. and S. O. Morrison, J. G. Wehrwein and E. A. Gott. 2,536,009, Dec. 26.
Refrigerator appliance. C. P. Swanson. 2,522,318, Sept. 12.
Refrigerator assembly. H. M. Dunlap. 2,524,655, Oct. 3.
Refrigerator assembly. G. L. C. Earle. 2,515,766, July 18.
Refrigerator, Automobile. C. L. Smith. 2,495,350, Jan. 24.
Refrigerator, Bottle cooling and dispensing. G. Muffly. 2,496,304, Feb. 7.
Refrigerator breaker frame. W. E. Caldwell, Jr. 2,504,390, Apr. 18.
Refrigerator cabinet. E. D. Drake. 2,505,322, Apr. 25.
Refrigerator cabinet. J. L. Fletcher. 2,529,380, Nov. 7.
Refrigerator cabinet. J. L. Fletcher. 2,535,278, Dec. 26.
Refrigerator cabinet. T. H. Koeber. 2,504,267, Apr. 18.
Refrigerator cabinet base structure. H. W. Whitmore. 2,509,403, May 30.
Refrigerator cabinet breaker strip construction. G. K. Iwashita. 2,527,932, Oct. 31.
Refrigerator car. B. E. Williams. 2,496,189, Jan. 31.
Refrigerator car. B. E. Williams. 2,521,272, Sept. 5.
Refrigerator car. B. E. Williams. 2,527,782, Oct. 31.
Refrigerator car and refrigeration. R. D. Pike. 2,512,437, June 20.
Refrigerator car hatch construction. V. E. West. 2,532,472, Dec. 5.
Refrigerator closure with hydraulic seal. T. R. Smith. 2,527,084, Oct. 24.
Refrigerator construction. R. H. Bishop. 2,495,405, Jan. 24.
Refrigerator construction. C. J. Wagner. 2,522,730, Sept. 19.
Refrigerator construction, Prefabricated. F. M. Jones. 2,535,682, Dec. 26.
Refrigerator, Demountable. W. L. Morrison. 2,502,581, Apr. 4.
Refrigerator display rack. J. A. Secunde. 2,503,419, Apr. 11.
Refrigerator door. E. E. Nofzinger. 2,513,043, June 27.
Refrigerator door latch. W. F. Freidag and W. W. Walter. 2,507,511, May 16.
Refrigerator for automobiles and motor boats. J. J. Dubuc. 2,532,090, Nov. 28.
Refrigerator for testing instruments under conditions of cold and low pressure. E. D. V. Platon. 2,502,480, Apr. 4.
Refrigerator, Frozen foods and dairy products. V. P. Warren, II. 2,501,459, Mar. 21.
Refrigerator having a baffle structure. T. W. Rundell. 2,510,758, June 6.
Refrigerator having a door with a cooling unit mounted therein. J. R. Prosek. 2,496,492, Feb. 7.
Refrigerator having an air pump circuit. A. F. McMahon. 2,518,242, Aug. 8.
Refrigerator having an automatically controlled secondary refrigerant system. R. E. Tobey. 2,500,778, Mar. 14.
Refrigerator, including a humidity control system, Two temperature. W. D. Jordan and P. D. Van Vliet. 2,493,488, Jan. 3.
Refrigerator, Individual drink. W. Leathers. 2,501,905, Mar. 28.
Refrigerator insulation drying arrangement. L. A. Philipp. 2,515,892, July 18.
Refrigerator, Midget. S. F. Walker. 2,512,077, June 20.
Refrigerator, Multiple compartment. G. C. Foerstner. 2,493,958, Jan. 10.
Refrigerator, Multiple compartment. R. M. Storer and W. A. McGrew. 2,507,834, May 16.
Refrigerator, Multiple temperature. R. L. Benson. 2,505,379, Apr. 25.
Refrigerator, Open type display. H. Hardin. 2,495,327, Jan. 24.
Refrigerator, Portable. C. A. Likes and H. O. Kas. 2,522,623, Sept. 19.
Refrigerator, Portable electric. H. E. Kimble. 2,532,234, Nov. 28.
Refrigerator, Safety. S. O. Morrison. 2,529,782, Nov. 14.
Refrigerator tank unit, Knockdown. H. W. Kleist. 2,521,064, Sept. 5.
Refrigerator, Two-temperature. J. S. Booth. 2,495,626, Jan. 24.
Refrigerator, Two temperature. G. K. Iwashita. 2,511,851, June 20.
Refrigerator, Two-temperature. H. W. Kleist. 2,521,063, Sept. 5
Refrigerator, Two-temperature. L. A. Philipp. 2,509,613, May 30.
Refrigerator, Two-temperature household. W. E. Richard. 2,518,254, Aug. 8.
Refrigerator, Two-temperature table top. H. M. Dunlap. 2,534,546, Dec. 19.
Refrigerator unit. P. F. Boettcher. 2,508,326, May 16.
Refrigerator with a top ice box. C. J. Wagner. 2,495,357, Jan. 24.
Refrigerator with elevating interior, Table top. H. M. Dunlap. 2,518,764, Aug. 15.
Refueling system, Underwing. K. Ksieski. 2,509,978, May 30.
Refuse can container. C. M. and J. E. Doggett. 2,496,522, Feb. 7.
Refuse collecting vehicle. A. T. C. Dear. 2,505,731, Apr. 25.
Refuse collector for sink drains. R. L. Kroboth. 2,508,761, May 23.
Regasifier. H. C. Cooper. 2,499,462, Mar. 7.
Regenerating a fixed bed catalyst. H. D. Trotter. 2,505,263, Apr. 25.
Regenerating a fluidized Fischer-Tropsch catalyst. W. J. Mattox. 2,515,245, July 16.
Regenerating a spent cooking liquor resulting from the digestion of a cellulose-lignin complex. A. M. Thomsen. 2,518,957, Aug. 15.
Regenerating an aqueous alkali solution. J. Happel and S. P. Cauley. 2,516,837, Aug. 1.
Regenerating antimony pentafluoride from spent antimony halides resulting from the fluorination of organic chlorides. F. B. Downing. 2,510,872, June 6.
Regenerating spent contact mass material. T. P. Simpson. 2,506,552, May 2.
Regenerating spent contact mass materials. J. A. Crowley, Jr. 2,506,545, May 2.
Regeneration of a hydrocarbon synthesis catalyst. R. W. Krebs. 2,506,302, May 2.
Regeneration of aluminum halide sludges. J. M. Mavity. 2,517,692, Aug. 8.
Regeneration of anion exchange resins. J. H. Payne and H. P. Kortschak. 2,507,992, May 16.
Regeneration of caustic solutions. J. B. Stripling. 2,515,141, July 11.
Regeneration of desulfurizing catalyst. C. Mack. 2,515,131, July 11.
Regeneration of finely divided adsorbents, Method and apparatus for. H. P. Caldwell, Jr., and J. W. Payne. 2,506,542, May 2.
Regeneration of granular adsorbents. T. C. Williamson. 2,518,409, Aug. 8.
Regeneration of hydrocarbon conversion catalyst by solvent washing. R. B. Smith. 2,515,062, July 11.
Regeneration of hydrofluoric acid catalyst. T. C. Dauphine. 2,531,112, Nov. 21.
Regeneration of ion exchange materials. A. J. Appelquest. 2,515,581, July 18.
Regeneration of photographic silver bleach solution. E. G. Seary. 2,515,930, July 18.
Regeneration of spent aqueous alcoholic caustic solutions containing mercaptides. J. H. McCullough. 2,527,833, Oct. 31.
Regeneration of synthetic rubber. T. A. Johnson and H. H. Thompson. 2,533,016, Dec. 5.
Regenerative furnace. S. S. Kistler. 2,508,033, May 16.
Regenerative hot-blast system. F. H. Johnson. 2,505,861, May 2.
Regenerator for translating alternating current impulses to direct current impulses, Electronic signal. F. H. Bray and L. R. Brown. 2,510,062, June 6.
Register. S. M. Radzyner. 2,502,590, Apr. 4.
Register and the like, Autographic. A. Lindquist and P. de Waal. 2,519,485, Aug. 22.
Register and the like, Automatic. A. Lindquist and P. de Waal. 2,505,977, May 2.
Register, Autographic. L. A. Holman. 2,518,320, Aug. 8.
Register, Autographic. A. W. Metzner. 2,516,899, Aug. 1.
Register, Automatic sales board. A. R. Lombardo. 2,511,925, June 20.
Register, Automatic thermostatic. B. G. Copping. 2,523,498, Sept. 26.
Register, Automatic thermostatic. B. G. Copping. 2,523,499, Sept. 26.
Register, Card. J. S. Zandelin. 2,506,261, May 2.
Register controlled auto-stop valve. C. S. Hazard. 2,508,064, May 16.
Register correction for television. R. C. Webb. 2,513,221, June 27.
Register device. F. E. Wood. 2,522,734, Sept. 19.
Register for burners, Air. J. A. te Nuyl. 2,515,843, July 18.
Register for furnaces, Air. H. Wiant. 2,515,813, July 18.
Register mechanism, Predeterminator. H. N. Bliss. 2,524,755, Oct. 10.
Register mechanism, Sheet. A. J. Albrecht. 2,529,273, Nov. 7.
Register, Mileage. C. Apple. 2,495,502, Jan. 24.
Register operating device for billet sawing machines, Disconnectible. J. Lindgreen. 2,525,176, Oct. 10.
Register, Presettable impulse. L. B. Haigh and F. A. Stearn. 2,517,559, Aug. 8.
Register resetting mechanism. C. P. Griffith and H. E. Marvel. 2,511,159, June 13.

Register, Totalizator. C. W. Adshead. 2,514,174, July 4.
Register, Ventilating. W. H. Goettl. 2,505,394, Apr. 25.
Registering and metering system. C. S. Hazard. 2,533,319, Dec. 12.
Registering and metering system, Automatic. C. S. Hazard. 2,527,677, Oct. 31.
Registering and printing frame. R. M. Haff. 2,498,417, Feb. 21.
Registering device. D. Broido. 2,501,930, Mar. 28.
Registering device, Distance. F. O. Lingenfelder. 2,531,448, Nov. 28.
Registering mechanism, Sheet. W. F. Huck. 2,508,608, May 23.
Registering system, Electronic remote-controlled. T. K. Sharpless and E. S. Eichert. 2,528,394, Oct. 31.
Registration and shift control means. H. Gang. 2,531,207, Nov. 21.
Registration control device. R. C. Corlett. 2,521,691, Sept. 12.
Registration control device. C. S. Crafts. 2,522,479, Sept. 12.
Regulating apparatus. P. F. Desch, D. E. Garr, and M. A. Edwards. 2,509,728, May 30.
Regulating apparatus, Velocity. K. A. Oplinger, C. R. Hanna, and L. B. Lynn. 2,509,446, May 30.
Regulating apparatus, Voltage. T. B. Somerville. 2,499,200, Feb. 28.
Regulating device. D. H. Annin. 2,518,852, Aug. 15.
Regulating device. S. H. Buder and W. H. Eichelberger. 2,519,173, Aug. 15.
Regulating device, Auxiliary charge. F. C. Mock. 2,509,648, May 30.
Regulating device for electromagnetic driven vibratory pendulums. C. F. Ahlberg. 2,493,101, Jan. 3.
Regulating device for printing press ink fountains, Ink delivery. E. W. Worthington. 2,497,648, Feb. 14.
Regulating device, Speed. S. F. Hussain. 2,514,158, July 4.
Regulating gas burner. W. G. Georgiou. 2,503,038, Apr. 4.
Regulating gravimetric flow of liquids, Method and apparatus for thermally. S. J. Holuba. 2,513,562, July 4.
Regulating means for fuel oil heating systems. O. Muller. 2,505,298, Apr. 25.
Regulating mechanism for sewing machines, Feed-cup pressure. H. Hacklander. 2,502,387, Mar. 28.
Regulating pressures in an absorption refrigerating system in accordance with ambient temperatures. C. C. Coons. 2,494,989, Jan. 17.
Regulating system. H. B. Fuge. 2,510,467, June 6.
Regulating system. W. L. O. Graves. 2,525,451, Oct. 10.
Regulating system. E. L. Harder and H. S. Kirschbaum. 2,498,268, Feb. 21.
Regulating system. R. M. Jolly. 2,508,166, May 16.
Regulating system. J. E. Reilly. 2,495,182, Jan. 17.
Regulating system and peak limiter, Automatic. R. V. Howard. 2,533,253, Dec. 12.
Regulating system, Arc furnace. R. A. Geiselman and E. H. Browning, Jr. 2,523,110, Sept. 19.
Regulating system, Constant voltage. R. H. Cherry and A. J. Williams, Jr. 2,501,263, Mar. 21.
Regulating system for motor generators, Voltage and frequency. L. E. Gartner. 2,524,166, Oct. 3.
Regulating system, Frequency. T. T. Short. 2,501,543, Mar. 21.
Regulating system, Speed. S. L. Burgwin, J. F. Kovalsky, and R. E. Hull. 2,498,247, Feb. 21.
Regulating system, Speed. J. F. Kovalsky. 2,498,281, Feb. 21.
Regulating system utilizing voltage responsive thyratrons. J. M. Cage. 2,516,298, July 25.
Regulating system, Voltage. J. M. Cage. 2,506,266, May 2.
Regulating the temperature of internal-combustion engines. W. M. Jarvis. 2,499,144, Feb. 28.
Regulating valve. A. P. Glenny. 2,508,383, May 23.
Regulating valve. P. Spence. 2,532,958, Dec. 5.
Regulating vehicle speed, Automatically and progressively. F. Baron. 2,497,338, Feb. 14.
Regulation and filtration of brines, Method and apparatus for automatic strength. D. W. Kaufmann. 2,508,170, May 16.
Regulation of the action of machines for the continuous processing of materials, Automatic. E. H. Jones. 2,535,930, Dec. 26.
Regulation of the suction action control with two-stroke engines. A. Železný. 2,505,454, Apr. 25.
Regulation of two stage automatic charging of storage batteries. W. Albrand. 2,502,692, Apr. 4.
Regulator: *See*—
Adjustable pressure regulator.
Alternating voltage regulator.
Automatic temperature regulator.
Balance and hairspring timepiece regulator.
Bale regulator.
Carbon pile regulator.
Cascade regulator.
Compensated voltage regulator.
Compound regulator.
Electric regulator.
Electrical regulator.
Electronic prime mover regulator.
Electronic regulator.
Engine pressure regulator.
Fan regulator.
Flow regulator.
Fluid pressure regulator.
Frequency and voltage regulator.
Frequency regulator.
Frequency voltage regulator.
Furnace electrode regulator.
Grain regulator.
Low drop voltage regulator.
Motor speed regulator.
Music string pitch regulator.
Oil pressure regulator.
Oxygen demand pressure breathing regulator.
Oxygen regulator.
Pile regulator.
Pressure breathing oxygen regulator.
Pressure-governed regulator.
Pressure regulator.
Speed regulator.
Sprayer regulator.
Temperature and flow regulator.
Temperature compensated regulator.
Temperature regulator.
Timepiece regulator.
Vane type fluid motor window regulator.
Vibratory voltage regulator.
Voltage regulator.

Regulator. R. A. Arthur and J. M. Kemper. 2,531,100, Nov. 21.
Regulator. C. W. Fischer and E. Saballus. 2,518,674, Aug. 15.
Regulator. L. G. Tubbs. 2,504,909, Apr. 18.
Regulator and safety device for sterilizers, Temperature. R. P. Saunders. 2,515,019, July 11.
Regulator apparatus, Gas pressure. J. K. McDermott. 2,506,031, May 2.
Regulator circuit. B. Dysart. 2,521,507, Sept. 5.
Regulator controlled by electron tube. S. A. Holmqvist. 2,513,024, June 27.
Regulator, especially for dials, Speed. C. O. Sohlberg. 2,499,533, Mar. 7.
Regulator for electric heating elements, Thermostatic. P. Belgeri. 2,508,349–50, May 23.
Regulator for electric motors, Speed. N. E. Colegrove. 2,520,492, Aug. 29.
Regulator for electric motors, Speed. W. A. Marrison. 2,504,340, Apr. 18.
Regulator for float systems, Pressure. W. E. Barnes. 2,520,302, Aug. 29.
Regulator for grading devices, Camless. C. C. Thomas. 2,531,369, Nov. 21.
Regulator for grease interceptors and the like, Flow. A. Matheis. 2,515,460, July 18.
Regulator for heating apparatus. L. Satchwell, W. H. Wilson, and A. J. Chinn. 2,518,941, Aug. 15.
Regulator for high-low liquid fuel burners, Draft. W. A. Biermann. 2,514,306, July 4.
Regulator for high-pressure oxygen, Pressure. C. Mott. 2,524,231, Oct. 3.
Regulator for hydraulic turbines, Speed. J. H. Branham. 2,514,930, July 11.
Regulator for inflatable bodies, Pressure. J. A. De Villiss. 2,505,949, May 2.
Regulator for internal-combustion engines, Fuel-air ratio. J. A. Bascle. 2,523,550, Sept. 26.
Regulator for irrigation, Balanced. M. Irvine. 2,506,022, May 2.
Regulator for printing presses, Register. F. T. Bailey and S. L. Burgwin. 2,500,230, Mar. 14.
Regulator for printing presses, Register. L. C. Poole. 2,497,909, Feb. 21.
Regulator for sewing machines, Buttonhole-length. D. G. Smith. 2,528,321, Oct. 31.
Regulator for smoke pipes, Draft. A. Kresta. 2,519,583, Aug. 22.
Regulator mechanism. J. B. Parsons. 2,529,570, Nov. 14.
Regulator mechanism, Vehicle window. J. B. Parsons. 2,520,053, Aug. 22.
Regulator, particularly for flash equipment for photography, Voltage. A. M. Wengel. 2,495,301, Jan. 24.
Regulator, pressure gauge, and valve device, Combined tire inflating pressure. H. S. Wallin. 2,501,801, Mar. 28.
Regulator system, Synchronous voltage. La V. R. Philpott. 2,497,908, Feb. 21.
Regulator valve. G. S. Knox. 2,524,264, Oct. 3.
Regulator valve. E. F. Loweke. 2,495,338, Jan. 24.
Regulator valve. R. T. Place. 2,523,542, Sept. 26.
Regulator valve. H. B. Schultz. 2,513,681, July 4.
Regulator with auxiliary manual control, Window. P. W. Winkelmann. 2,514,272, July 4.
Regulator with signaling device, Temperature. C. W. Appelberg. 2,494,925, Jan. 17.
Regulator with thermal reset, Immersion temperature. A. Küser. 2,493,456, Jan. 3.
Regulator with variable counterbalance, Window. P. B. Witmer. 2,529,986, Nov. 14.
Reheat turbine control. O. N. Bryant. 2,504,640, Apr. 18.
Reinforced asbestos tape and making same. W. F. Horstman. 2,523,022, Sept. 19.
Reinforced fragile container. H. Rosenheck. 2,507,648, May 16.
Reinforced luggage box. F. Serpico. 2,534,684, Dec. 19.
Reinforced plastic bowling pin. S. L. Leonard, Sr. 2,510,505, June 6.
Reinforced soldered-seam metal sheathed cable. C. J. Beaver and E. L. Davey. 2,527,172, Oct. 24.

Reinforced track block connector. E. M. Winegar. 2,513,540, July 4.
Reinforcing and punching machine. W. A. Barsh. 2,512,822, June 27.
Reinforcing means for bottle containing crates. W. J. Cella. 2,520,998, Sept. 5.
Reinforcing means for rubber articles, Filament. L. W. Mitchell. 2,522,722, Sept. 19.
Reinforcing means of shipping frangible tubes. G. A. Kingston. 2,528,959, Nov. 7.
Reinforcing polymeric butadiene synthetic rubber with lignosulfonate. J. R. Salvesen and W. C. Browning. 2,533,632, Dec. 12.
Reinforcing rod hanger. F. G. Fearon and A. H. Pilling. 2,504,313, Apr. 18.
Relaxation inducing apparatus. W. W. Brockway, L. Le Cron, and J. H. Young. 2,501,808, Mar. 28.
Relaxing chlorinated wool fabric. A. and D. Guttman. 2,525,543, Oct. 10.
Relay. J. L. Bonanno. 2,526,455, Oct. 17.
Relay. H. Reifel. 2,504,101, Apr. 18.
Relay. R. Vradenburgh. 2,493,371, Jan. 3.
Relay actuating device for automatic phonographs. R. A. Mullaney. 2,520,251, Aug. 29.
Relay and circuit, Motor control. M. G. Nelsen and R. S. Acker. 2,512,070, June 20.
Relay and its application to the scanning, Electroionic. P. M. G. Toulon. 2,499,233, Feb. 28.
Relay and motor control system, Polarized. C. I. Hall. 2,515,771, July 18.
Relay and supporting means therefor, Compact. G. H. Coulter. 2,529,212, Nov. 7.
Relay arrangement for protecting power systems, Electronic. A. R. van C. Warrington. 2,511,680, June 13.
Relay, Balance. W. H. Petersén. 2,494,308, Jan. 10.
Relay, Bus-differential. W. K. Sonnemann. 2,508,198, May 16.
Relay circuit. W. F. Kannenberg. 2,508,029, May 16.
Relay circuit. R. G. Rowe and E. F. Ziemendorf. 2,518,380, Aug. 8.
Relay, Combination starting and overload protective. L. J. Koci. 2,506,272, May 2.
Relay construction, Electromagnetic. R. D. Bean. 2,524,874, Oct. 10.
Relay contacts of conducting rubber. A. K. Schenck. 2,528,086, Oct. 31.
Relay device, Oscillatory. H. T. Seeley. 2,523,784, Sept. 26.
Relay, Electric. B. E. Getchell. 2,528,591, Nov. 7.
Relay, Electrical. K. J. Knudsen. 2,508,862, May 23.
Relay, Electrical. F. B. Menger. 2,534,873, Dec. 19.
Relay, Electromagnetic. W. B. Ellwood. 2,523,360, Sept. 26.
Relay, Electromagnetic. E. Frydman. 2,499,216, Feb. 28.
Relay, Electromagnetic. J. C. Hamilton. 2,495,325, Jan. 24.
Relay, Electromagnetic. C. N. Hickman. 2,502,842, Apr. 4.
Relay, Electromagnetic. R. B. Shanck. 2,528,088, Oct. 31.
Relay, Electromagnetic. A. R. Young. 2,533,160, Dec. 5.
Relay, Electron tube timing. L. H. Matthias. 2,507,377, May 9.
Relay for frequency-modulated oscillations, Frequency stabilized. E. L. C. White. 2,501,368, Mar. 21.
Relay for single split phase motors, Compensating motor starting. H. T. White. 2,520,791, Aug. 29.
Relay, Latch-in. P. F. Ferry. 2,530,194, Nov. 14.
Relay, Latching. A. H. Bergemann. 2,531,838, Nov. 28.
Relay, Mercury type. H. C. Harrison. 2,519,463, Aug. 22.
Relay, Mercury type. H. C. Harrison. 2,523,366, Sept. 26.
Relay, Multicontact dry reed. W. B. Ellwood. 2,535,400, Dec. 26.
Relay, Multirange overcurrent. C. J. Yarrick and E. H. Fredrickson. 2,520,792, Aug. 29.
Relay, Polarized. J. E. Willing and G. E. Duffy, Sr. 2,502,811, Apr. 4.
Relay, Polarized electromagnetic. O. I. Price. 2,526,685, Oct. 24.
Relay, Pulse timed holding. S. C. Rockafellow. 2,517,242, Aug. 1.
Relay repeater, Regenerative. W. M. Goodall. 2,502,942, Apr. 4.
Relay, Selective. J. J. Shively. 2,517,450, Aug. 1.
Relay servo. J. P. Palmer. 2,497,514, Feb. 14.
Relay, Shockproof. M. L. Jeffrey. 2,523,369, Sept. 26.
Relay, Slow-acting quick-release. E. R. Morton and H. M. Stoller. 2,516,790, July 25.
Relay system. F. B. Bristol. 2,528,336, Oct. 31.
Relay system. E. Labin and D. D. Grieg. 2,516,885, Aug. 1.
Relay system, Adjustable counting. W. G. Cook. 2,498,249, Feb. 21.
Relay system, Electronic controlled. G. L. Borell. 2,525,016, Oct. 10.
Relay system, Phase balance protective. W. Schaelchlin. 2,523,148, Sept. 19.
Relay system, Selective. V. J. Clarke. 2,497,656, Feb. 14.
Relay system, Quasi-impedance. S. L. Goldsborough. 2,504,828, Apr. 18.
Relay system, Tube controlled. F. D. Snyder. 2,511,881, June 20.
Relay, Thermostatic. H. E. Butler. 2,508,991, May 23.
Relay, Three-phase bimetal thermal. G. Camilli. 2,534,103, Dec. 12.
Relay, Time-delay. J. S. Baker. 2,525,334, Oct. 10.
Relay, Time-delay. T. B. Jochem. 2,520,212, Aug. 29.
Relay timing interrupter circuit. J. R. Dewar. 2,522,705, Sept. 19.
Relay unit, Electric. B. E. Getchell. 2,526,861, Oct. 24.
Relay using indium, Thermal overload protective. L. Zickrick. 2,532,265, Nov. 28.
Relay with limited directional discrimination, Distance-type. S. L. Goldsborough. 2,495,166, Jan. 17.
Relay with permanent magnet, Holding. L. H. Matthias and K. K. Stong. 2,505,904, May 2.
Relaying system. W. K. Sonnemann. 2,516,022, July 18.
Relaying-system, Double-frequency phase-angle. H. W. Lensner. 2,525,493, Oct. 10.
Releasable cargo hook. N. Johnson. 2,523,434, Sept. 26.
Releasable hose coupling. R. T. Marette. 2,523,770, Sept. 26.
Release apparatus for load supports. L. P. Frieder and W. S. Finken. 2,534,704, Dec. 19.
Release device for automatic circuit breakers, Thermal overload. E. Besag, W. E. Hill, and T. D. G. Wintle. 2,523,897, Sept. 26.
Release device, Overload. N. B. Murphy. 2,511,734, June 13.
Release device, Parachute. D. Miller. 2,499,107, Feb. 28.
Release device, Tire chain. M. B. Herbrick. 2,493,760, Jan. 10.
Release for camera shutters, Cable. S. A. Russell. 2,493,728, Jan. 3.
Release mechanism, Automatic. W. L. W. Ogden and R. P. Bennett. 2,504,148, Apr. 18.
Release mechanism for injection machines. W. R. Smith. 2,502,676, Apr. 4.
Release mechanism for mowers. W. Vutz. 2,520,107, Aug. 22.
Release mechanism for typewriting machines, Feed-roll. H. C. Yaeger. 2,501,117, Mar. 21.
Release mechanism, Parachute. A. C. Hall and H. W. Semon. 2,502,455, Apr. 4.
Release mechanism, Paracnute. C. W. Linder. 2,502,097, Mar. 28.
Release mechanism, Parachute. W. E. Siri. 2,517,511, Aug. 1.
Releasing a parachute from its pack. J. E. Hatfield. 2,516,571, July 25.
Releasing and holding device, Tire chain. M. B. Herbrick. 2,512,646, June 27.
Releasing device, Ice cube. C. R. Carney. 2,499,902, Mar. 7.
Releasing gear. W. R. MacCluney. 2,513,245, June 27
Relief device. H. V. Johnson. 2,525,487, Oct. 10.
Relief duplication. J. J. Braund. 2,493,439, Jan. 3.
Relief valve. F. L. Banner. 2,497,201, Feb. 14.
Relief valve. W. D. Fowler. 2,526,019, Oct. 17.
Relief valve. R. F. Hanson. 2,517,562, Aug. 8.
Relief valve. F. Hinrichs. 2,521,166, Sept. 5.
Relief valve. R. L. Rathmann. 2,526,411, Oct. 17.
Relief valve. T. A. St. Clair. 2,527,381, Oct. 24.
Relief valve. C. W. Shaw. 2,518,387, Aug. 8.
Relief valve. R. Stevenson. 2,520,893, Aug. 29.
Relief valve. W. C. Trautman. 2,504,470, Apr. 18.
Relief valve cap. J. N. Paquin. 2,506,737, May 9.
Religious device. R. F. Brennan. 2,514,739, July 11.
Reminder device. T. B. Allardice. 2,497,285, Feb. 14.
Remote angular position indicator. R. M. Smyth-Dávila. 2,527,771, Oct. 31.
Remote antenna tuning indicator. J. A. Edinborgh. 2,504,967, Apr. 25.
Remote control. J. Kellogg. 2,524,449, Oct. 3.
Remote control and extension for telephones, Combined. G. J. Rovnak. 2,531,648, Nov. 28.
Remote control and indicating system. J. T. McNaney. 2,496,485, Feb. 7.
Remote control and indication system. H. C. Van Tassel D. D. Milne. 2,521,240, Sept. 5.
Remote-control arrangement for toy vehicle systems.
Remote-control device. R. P. Dice and B. H. Keener. 2,534,110, Dec. 12.
Remote control device. G. H. Witts. 2,531,241, Nov. 21.
Remote-control device for brakes and other remote control parts. H. Weber. 2,532,975, Dec. 5.
Remote control for gear shift levers. R. D. Downing and C. N. Adams. 2,527,801, Oct. 31.
Remote control for harvester reels. N. Sieverding. 2,510,425, June 6.
Remote control gate. N. Laurantus. 2,520,642, Aug. 29 and P. M. Brannen. 2,520,865, Aug. 29.
Remote-control latch. C. D. Queen. 2,512,776, June 27.
Remote-control mechanism. J. Rabinow. 2,523,327, Sept. 26.
Remote control receiver. K. B. Austin. 2,495,916, Jan. 31.
Remote-control system. C. R. Miner. 2,495,917, Jan. 31.
Remote-control system. P. W. Nosker. 2,515,254, July 18.
Remote-control system. E. S. Purington. 2,522,893, Sept. 19.
Remote-control system. W. T. Rea. 2,527,153, Oct. 24.
Remote control system. N. B. Taylor. 2,524,300, Oct. 3.

Remote control system for radio receivers. W. W. Macalpine. 2,498,691, Feb. 28.
Remote-control system, Variable frequency. T. S. Skillman. 2,509,617, May 30.
Remote-control unit. W. C. Hall. 2,494,873, Jan. 17.
Remote controlled positioning system. H. D. Belock. 2,526,628, Oct. 24.
Remote multiple observation bridge system, especially for observing telephone traffic. H. L. Lesigne. 2,522,758, Sept. 19.
Remotely controlled toy vehicle. W. Howard. 2,519,472, Aug. 22.
Removable battery case. S. Mendelsohn. 2,494,956, Jan. 17.
Removable journal box. H. H. Shaffer. 2,528,393, Oct. 31.
Removable sorting rack. G. A. Blondin. 2,494,030, Jan. 10.
Removable-tip electric soldering iron. C. G. R. Nordström. 2,505,625, Apr. 25.
Removable utensil handle. J. L. Young. 2,497,384, Feb. 14.
Removal from and burning of ash on a grate. C. H. Sparks. 2,534,634, Dec. 19.
Removal of acidic sulfur compounds from hydrocarbon oils. D. C. Bond and N. B. Russell, 2,525,583, Oct. 10.
Removal of asphaltic constituents from hydrocarbon oil. W. Kiersted, Jr. 2,500,757, Mar. 14.
Removal of catalyst from olefin polymer product. D. J. Oriolo. 2,521,940, Sept. 12.
Removal of exothermic heat of reaction. A. Clark. 2,526,934, Oct. 24.
Removal of fluorine from organic materials. F. E. Frey. 2,494,867, Jan. 17.
Removal of gluten from starch. C. E. Smith. 2,525,430, Oct. 10.
Removal of heat from finely-divided solids. W. A. Rex. 2,506,317, May 2.
Removal of HF from HF-oil and oil-HF solutions. W. R. Hertwig and J. D. Bushnell. 2,532,495, Dec. 5.
Removal of hydrogen fluoride and/or silicon tetrafluoride from a hydrogen chloride containing gas. L. B. Smith and J. D. Calfee. 2,526,777, Oct. 24.
Removal of hydrogen fluoride and silicon tetrafluoride from gases. L. B. Smith and J. D. Calfee. 2,526,776, Oct. 24.
Removal of hydrogen sulfide from gases. R. Walker, C. R. Wilkin, H. G. Cooper, and J. T. Brown. 2,503,528, Apr. 11.
Removal of impurities from zinc electrolyte solutions. D. L. Griffith and M. J. Rankin. 2,503,479, Apr. 11.
Removal of inorganic matter from petroleum residua. E. M. Hughes. 2,520,407, Aug. 29.
Removal of magnetic material from furfural. T. L. Cubbage. 2,498,794, Feb. 28.
Removal of mercaptans from gasoline. J. A. McBride and S. C. Carney. 2,503,627, Apr. 11.
Removal of methane contents in water. C. H. V. Pape. 2,527,444, Oct. 24.
Removal of naringin from solutions containing the same. E. M. Burdick and R. H. Maurer. 2,510,797, June 6.
Removal of oil from textile fibers. G. H. Wood and C. S. Francis, Jr. 2,501,979, Mar. 28.
Removal of oxygenated compounds from synthetic naphthas. E. F. Wadley. 2,497,967, Feb. 21.
Removal of pyrogens from amino acid solutions. E. E. Howe and F. W. Holly. 2,521,793, Sept. 12.
Removal of salt from sea water. A. M. Buswell. 2,522,856, Sept. 19.
Removal of silicon compounds from water. W. C. Bauman. 2,502,120, Mar. 28.
Removal of silicon compounds from water. W. C. Bauman. 2,510,855, June 6.
Removal of sulfur from ferrous metals, The. J. F. Jordan. 2,509,189, May 23.
Removal of the sodium salt of lignoceric acid and other materials from a tall oil soap. T. Hasselstrom. 2,519,903, Aug. 22.
Removal of water from p-acetylsulfanilylchloride with ketones. H. H. Richmond. 2,508,930, May 23.
Remover and replacer, Bushing. B. C. Hamilton. 2,497,498, Feb. 14.
Remover, Electrically heated paint. F. Carlino. 2,497,535, Feb. 14.
Remover, Flexible band jar cap. A. J. Webb. 2,498,934, Feb. 28.
Remover, Fulcrum type jar cap. K. Levy. 2,525,693, Oct. 10.
Remover, Hair. J. M. Field. 2,495,370, Jan. 24.
Remover, Paint, varnish, and lacquer. E. P. Peterson and O. P. Muller. 2,531,825, Nov. 28.
Remover, Pivoted lever crown cap. F. Hooks, Jr. 2,510,226, June 6.
Remover, Phonographic thread. H. J. Webb. 2,496,076, Jan. 31.
Remover, Pry type jar cap. E. G. Boucher. 2,501,204, Mar. 21.
Remover, Rack and gear actuated screw cap. H. J. Hauck. 2,495,004, Jan. 17.
Removing aluminum halides in hydrocarbon conversion processes. J. L. Groebe and E. F. de Villafranca. 2,535,735, Dec. 26.
Removing burns from cathode-ray tubes, Method and apparatus for. A. Bramley and C. E. Swanson. 2,495,203, Jan. 24.
Removing burrs and other vegetable defect from textile fibers, Method and apparatus for. R. A. Fairbairn. 2,513,301, July 4.
Removing coatings from surfaces. C. Hutson, J. C. Kidd, and C. E. Blair. 2,495,729, Jan. 31.
Removing dissolved salts from the liquid solvent. B. C. von Platen. 2,520,186, Aug. 29.
Removing edge roll from cloth subject to the same, Method of and apparatus for. J. W. Houth, P. L. Miller, and F. T. Miller. 2,510,313, June 6.
Removing emulsifying agents from amine solution. J. H. McCulley. 2,497,954, Feb. 21.
Removing formaldehyde from a formaldehyde-glyoxal mixture, Selectively. H. E. Schofield. 2,494,060, Jan. 10.
Removing grit, Method and apparatus for. P. F. Morgan and C. E. Lawrenz. 2,532,457, Dec. 5.
Removing heat and moisture from the pressing elements of laundry pressing machines. W. F. Gayring. 2,521,512, Sept. 5.
Removing hydrogen embrittlement of bright nickel electrodeposits. A. S. Kasper. 2,534,911, Dec. 19.
Removing identification tags from organic fabrics. F. M. Sell 2,513,431, July 4.
Removing impurities from mother liquors. P. S. Roller. 2,504,154, Apr. 18.
Removing insects from edible vegetables and fruits. C. B. Gnadinger. 2,502,376, Mar. 28.
Removing nickel and cobalt impurities from zinc electrolyte solutions. D. L. Griffith and M. J. Rankin. 2,509,916–18, May 30.
Removing oil from citrus fruit juices. J. A. Cross. 2,534,341, Dec. 19.
Removing oxygen. G. F. Mills. 2,515,609, July 18.
Removing oxygenated organic compounds from hydrocarbons. E. F. Wadley. 2,494,371, Jan. 10.
Removing portions of metal bodies. A. H. Adams. 2,527,490, Oct. 24.
Removing protective coating films from surfaces. R. B. Bishop and W. I. Denton. 2,508,215, May 16.
Removing seed coat from grain. W. B. Thrasher. 2,530,272, Nov. 14.
Removing silica from iron. V. S. de Marchi. 2,530,391, Nov. 21.
Removing silica from water. E. J. Roberts. 2,503,769, Apr. 11.
Removing silica from water by way of ion exchange. W. W. Jukkola and E. J. Roberts. 2,504,695, Apr. 18.
Removing silver films from mirrors with phosphoric acid. E. R. Miller. 2,525,178, Oct. 10.
Removing solvent from solvent-wetted vegetable residues. H. F. Saunders. 2,502,484, Apr. 4.
Removing sulfur and its compounds from nonaromatic hydrocarbon fractions. C. M. Floyd. 2,514,997, July 11.
Removing sulfur compounds. C. F. Feasley. 2,511,251, June 13.
Removing the dark color from walnut meats. H. J. Almquist. 2,515,625, July 18.
Removing volatile matter from rolls of sheet material in preparation for coating under vacuum. G. H. Bancroft. 2,518,268, Aug. 8.
Removing water vapor and carbon dioxide from gases, Process and apparatus for. W. L. De Baufre. 2,503,939, Apr. 11.
Rendering cellulosic textile materials transparent and products therefrom. E. Weiss. 2,510,919, June 6.
Rendering fat. W. M. Leaders. 2,503,205, Apr. 4.
Rendering fats. C. Pavia. 2,516,071, July 18.
Rendering fats, Method and apparatus for. R. Koppit and C. J. Davis, Jr. 2,493,459, Jan. 3.
Rendering infrared radiation visible employing doubly activated alkaline earth sulfide phosphors. F. Urbach. 2,522,074, Sept. 12.
Rendering innocuous fluid fluoride catalyst. A. J. Killgore. 2,507,603, May 16.
Rendering materials water-repellent and compositions therefor. J. R. Elliott and R. H. Krieble. 2,507,200, May 9.
Rendering paperboard cartons gastight and packages so produced. S. Bergstein. 2,506,057, May 2.
Rendering regenerated cellulose water-repellent. M. M. Cruz, Jr. 2,519,232, Aug. 15.
Rendering synthetic rubber tacky. W. F. Busse. 2,522,776, Sept. 19.
Rendering wool unshrinkable. R. Bloch, L. V. Farkas, K. Goldschmid, M. Lewin, I. Schnerb, and P. Goldschmidt. 2,508,007, May 16.
Renewable fuse tap receptacle. T. Oshinsky. 2,508,770, May 23.
Renovating bowling pins. A. E. Spindt. 2,506,521, May 2.
Repair and conditioning of nylon fabric. H. McAdams. 2,530,259, Nov. 14.
Repair device for leaky boiler tubes, Hollow. S. Berg. 2,517,626, Aug. 8.
Repair of femur fracture. G. McKibbin. 2,500,370, Mar. 14.
Repairing damaged sheet metal. A. F. Erickson. 2,504,509, Apr. 18.
Repairing old pipe lines. E. C., and R. E. Furman, and E. F. Heard. 2,522,171, Sept. 12.
Repair unit for radio sets. W. L. Dockray and R. H. Bruesewitz. 2,530,233, Nov. 14.

Repairing slide fasteners. A. H. Benson. 2,530,371, Nov. 21.
Repeat device for automatic phonographs. S. A. Stolberg. 2,511,604, June 13.
Repeat device for automatic phonographs. S. A. Stolberg. 2,517,050, Aug. 1.
Repeatedly ignitable rod. L. Rado. 2,516,416, July 25.
Repeater actuated by break period, Telephone pulse. F. Kessler. 2,500,289, Mar. 14.
Repeater, Impulse correcting. R. W. Jones. 2,500,286, Mar. 14.
Repeater indicator. I. L. McNally. 2,522,528, Sept. 19.
Repeater, Pulse correcting. H. L. Horwitz. 2,495,725, Jan. 31.
Repeater, Regenerative relay. W. M. Goodall. 2,505,040, Apr. 25.
Repeater system, Negative resistance. S. D. Robertson. 2,522,402, Sept. 12.
Repeater system, Pulse time modulation. E. M. Deloraine. 2,524,776, Oct. 10.
Repeater, Telegraph. L. B. Haigh. 2,521,716, Sept. 12.
Repeater testing by inversion of the current direction, Unattended. M. J. M. Parmentier. 2,509,365, May 30.
Repellent preparations, Insect. M. Pijoan. 2,528,544, Nov. 7.
Repellent, Rodent. L. L. Baumgartner. 2,510,366, June 6.
Repellent solution and preparing the same, Planographic. C. H. Van Dusen, Jr. 2,515,536, July 18.
Repellents, Rodent and deer. L. L. Baumgartner. 2,510,367, June 6.
Reperforator, Tape. J. A. Spencer. 2,506,000, May 2.
Replaceable blade bit. G. G. Harrington. 2,521,791, Sept. 12.
Replacement of hydrogen with fluorine in hydrogen- and halogen-containing organic compounds using lead tetrafluoride. E. T. McBee and R. M. Robb. 2,533,133, Dec. 5.
Replacement tang. J. Metz. 2,512,033, June 20.
Replacing cations in milk. R. J. Myers. 2,511,825, June 13.
Replica of a surface, Producing a. E. S. Machlin and L. L. Ornstein. 2,514,403, July 11.
Repositioner machine. N. W. Lyon. 2,495,939, Jan. 31.
Repressing the generation of chlorine dioxide. R. N. Aston. 2,526,839, Oct. 24.
Reproducer and recorder utilizing endless record and automatic selecting system, Magnetic. D. J. White. 2,519,725, Aug. 22.
Reproducer or recorder head, Sound. M. L. Gayford. 2,498,671, Feb. 28.
Reproducing and translating apparatus. R. W. Baltosser. 2,493,519, Jan. 3.
Reproducing apparatus, Portable sound and picture. J. J. Cunningham, L. H. Larime, and R. P. Nevin. 2,517,387, Aug. 1.
Reproducing arm support mechanism. R. M. Somers. 2,525,968, Oct. 17.
Reproducing control system, Automatic sound. A. L. Holcomb. 2,532,098, Nov. 28.
Reproducing device. F. W. Chamberlin. 2,512,918, June 27.
Reproducing mechanism. T. P. Krause. 2,507,982, May 16.
Reproducing or repeating device, Infinitely variable. L. E. W. Montrose-Oster. 2,511,075, June 13.
Reproducing pictures. D. R. White and E. Meschter. 2,515,846, July 18.
Reproducing system, Optical sound. J. R. Sanders. 2,529,050, Nov. 7.
Reproducing television images. C. Chilowsky. 2,500,929, Mar. 21.
Reproduction material. R. J. Scanlan. 2,495,661, Jan. 24.
Requisition holder. G. C. Franklin. 2,532,361, Dec. 5.
Rerecording methods and system. W. A. Mueller. 2,499,603, Mar. 7.
Rescoring apparatus for golf clubs. O. W. Partain and E. M. Lang. 2,520,254, Aug. 29.
Resector, Mechanical. H. C. Cain. 2,495,694, Jan. 31.
Reserve fuel supply. D. C. Haley. 2,531,847, Nov. 28.
Reservoir and liquid supply system for steam irons. G. Kassab. 2,515,776, July 18.
Reservoir for heavy liquids, Supply. W. Vogel. 2,517,743, Aug. 8.
Reservoir ink pad. S. N. Rosenthal. 2,523,879, Sept. 26.
Reservoir for liquefied gases, Storage. H. C. Cooper. 2,512,308, June 20.
Reservoir, Liquid. R. Sadwith. 2,527,199, Oct. 24.
Resettable register. E. Mayer and J. F. Coles. 2,494,955, Jan. 17.
Resetting device for governors, Automatic. N. R. Richmond. 2,494,630, Jan. 17.
Resetting means for multiple belt reels. J. A. Wilson. 2,511,612, June 13.
Resetting means for parking meters. M. Burton. 2,519,634, Aug. 22.
Reshaping apparatus, Glass tube. A. T. Gaskill and C. E. Bock. 2,523,006, Sept. 19.
Reshaping device for shoes. A. W. McKay. 2,532,564, Dec. 5.
Resilient chair back mounting. R. A. Cramer. 2,524,624, Oct. 3.
Resilient connection. N. G. A. Malmquist. 2,534,981, Dec. 19.
Resilient diaphragm engine bearing. A. L. M. A. Rouy. 2,515,799, July 18.
Resilient fair-lead. W. S. Clarkson and J. H. Rupe. 2,529,486, Nov. 14.
Resilient mounting. F. F. Kishline. 2,496,219, Jan. 31.
Resilient mounting. A. J. Hirst. 2,509,769, May 30.
Resilient mounting. E. G. Schmidt. 2,533,183, Dec. 5.
Resilient seat support. A. Gottfried. 2,532,713, Dec. 5.
Resilient sheet metal fastening clip. W. R. Wiley. 2,521,271, Sept. 5.
Resiliently mounted reclining chair. A. E. Johnson. 2,532,025, Nov. 28.
Resiliently reacting deformable wheel. G. Fréchet. 2,517,475, Aug. 1.
Resiliently supported reclining chair. A. E. Johnson. 2,535,138, Dec. 26.
Resin-acid ester-acetals of polyhydric alcohols. H. Burrell and R. H. Barth. 2,516,104, July 25.
Resin acid nitrile. H. M. Spurlin. 2,511,603, June 13.
Resin acid nitriles. S. T. Putnam. 2,534,297, Dec. 19.
Resin and preparing the same, Dry. G. I. Keim. 2,512,720. June 27.
Resin compositions, Compatibilized. G. T. Borcherdt and H. S. Rothrock. 2,509,857, May 30.
Resin compositions, Plasticized. D. E. Floyd. 2,532,018, Nov. 28.
Resin ester copolymers and making same, Modified natural. J. B. Rust. 2,518,494, Aug. 15.
Resin for stabilizing textiles and making the same. P. S. Hewitt and R. E. Carter. 2,504,835, Apr. 18.
Resin-glyceride coating. S. S. Gutkin. 2,497,449, Feb. 14.
Resin impregnated fabrics, Making. R. M. Paulsen. 2,528,168, Oct. 31.
Resin impregnated sheets, Method and apparatus for producing. S. V. Landgraf. 2,528,152, Oct. 31.
Resin impregnation of a dialdehyde tanned hide. A. H. Winheim and E. E. Doherty. 2,516,283, July 25.
Resin, Manufacture of a dry saponified. J. J. Flaherty, Jr. 2,511,575, June 13.
Resin process. J. D. Garber, W. J. Sparks, and D. W. Young. 2,507,100, May 9.
Resin sheet and resulting product, Laminating flock coated vinyl. R. F. Whitelegg. 2,494,848, Jan. 17.
Resin strips, Method and apparatus for producing twisted thermoplastic. R. W. Canfield and R. B. Woodward. 2,494,689, Jan. 17.
Resinification of aromatic hydrocarbons. C. F. Feasley. 2,501,600, Mar. 21.
Resinous aldehyde tar acids and hydrocarbon oil condensation products, Making. B. W. Jones. 2,527,065, Oct. 24.
Resinous composition and heater plate mica insulation produced therewith. E. L. Schulman. 2,495,186, Jan. 17.
Resinous composition and making same. F. G. La Piana, G. N. Houth, and R. W. Farrell. 2,524,111, Oct. 3.
Resinous composition and making same. F. G. La Piana and E. C. Tarnuzzer. 2,524,112, Oct. 3.
Resinous composition suitable for anion exchange. J. R. Dudley. 2,529,142, Nov. 7.
Resinous compositions. L. H. Dimpfl. 2,498,533, Feb. 21.
Resinous compositions, Production of. C. F. Peters. 2,522,889, Sept. 19.
Resinous condensation products from an aldehyde or a ketone and an N-alkenylarylamine. J. D. Danforth. 2,495,890, Jan. 31.
Resinous condensation products of furylethylene derivatives and aldehydes. A. P. Dunlop and E. L. Washburn. 2,527,714, Oct. 31.
Resinous condensation products of urea, alkyl urea, formaldehyde, and polyhydric alcohol or derivative thereof. P. D. Morton. 2,514,505, July 11.
Resinous copolymers comprising acetylated products obtained from the enol form of ketoesters. H. J. Hagemeyer, Jr. 2,521,914, Sept. 12.
Resinous copolymers of diolefins with refinery C_4 cuts. H. G. Schneider and D. W. Young. 2,523,150, Sept. 19.
Resinous materials, Preparation of. E. D. Lee and R. J. Schefbauer, Jr. 2,505,865, May 2.
Resinous materials, Production of. H. S. Bloch. 2,518,519, Aug. 15.
Resinous phenolic compositions, Production of room temperature setting. P. H. Rhodes. 2,524,080, Oct. 3.
Resinous products. H. F. Minter and F. J. Nagel. 2,516,012, July 18.
Resinous products derived from condensation products of cycloaliphatic ketones with guanidines, dicyandiamide, or biguanides. A. J. Appelquest. 2,517,824, Aug. 8.
Resinous reaction products from a phenol-formaldehyde condensate and a monohydric alcohol ester of rosin, Preparing. C. C. Schrimpe. 2,510,837, June 6.
Resinous reaction products of a Congo copal resin and an abietyl amine or an abietyl isocyanate. A. E. Rheineck. 2,522,584, Sept. 19.
Resins and making same, Lignin. R. N. Evans. 2,501,666, Mar. 28.
Resins and making same, Lignin. R. N. Evans and A. P. Ingrassia. 2,501,665, Mar. 28.
Resins and making same, Lignin. H. A. Mitman and R. N. Evans. 2,521,532, Sept. 5.

Resins and preparing the same, Modified urea-formaldehyde. J. R. Dudley and J. A. Anthes. 2,497,074, Feb. 14.
Resins, Curable alkyd. H. E. Weaver and E. G. King. 2,500,222, Mar. 14.
Resins from cashew nut shell liquid. M. T. Harvey and S. Caplan. 2,523,623, Sept. 26.
Resins from clay tower polymers. E. G. Marhofer. 2,516,230, July 25.
Resins from esters of 1-hydroxy-butadiene-1,3 insolubilized with nitrogen bases. H. A. Bruson. 2,497,926, Feb. 21.
Resins in spheroidal form, Anion-exchange. W. L. Evers. 2,521,288, Sept. 5.
Resins of alkyl-substituted cycloalkanol esters of acrylic acids C. E. Rehberg and C. H. Fisher. 2,511,880, June 20.
Resins, Phenolic. M. J. Scott and E. F. Jackson. 2,531,863, Nov. 28.
Resins, Phenolic molding. T. F. Clark. 2,520,913, Sept. 5.
Resins, Siloxane. E. J. Smith. 2,528,615, Nov. 7.
Resins, Unsaturated alkyd casting. G. L. Fraser. 2,516,309, July 25.
Resins, Water-soluble urea. W. L. Morgan. 2,501,783, Mar. 28.
Resistance compositions and products thereof. L. J. Berberich and W. W. Pendleton. 2,498,238, Feb. 21.
Resistance contact apparatus. R. L. Jaeschke and M. P. Winther. 2,505,712, Apr. 25.
Resistance element, Electrical. J. F. Levers, R. V. Patchett, and P. B. Chellaston. 2,499,513, Mar. 7.
Resistance element and electric iron containing the same. C. H. Sparklin. 2,512,692, June 27.
Resistance element for electric irons. P. J. More. 2,512,668, June 27.
Resistance material. E. A. Evans and G. H. Porter. 2,529,144, Nov. 7.
Resistance switch. W. E. Baker. 2,510,792–3, June 6.
Resistance unit for electric circuit breakers. T. R. Coggeshall. 2,513,918, July 4.
Resistance welding chain links. H. F. Dougherty. 2,514,444, July 11.
Resistance welding electronic control circuit. C. B. Stadum. 2,501,358, Mar. 21.
Resistive termination. S. Rosen. 2,494,722, Jan. 17.
Resistor. F. R. Hugus and J. W. Woolf. 2,502,950, Apr. 4.
Resistor. H. F. Pfeffer and C. W. Wagenhals. 2,520,509, Aug. 29.
Resistor. W. P. Wills. 2,533,656, Dec. 12.
Resistor, Adjustable. M. E. Bourns. 2,515,980–1, July 18.
Resistor and making same, Electrical. J. J. Cerny. 2,531,321, Nov. 21.
Resistor and making same, Multitap. G. J. Mucher. 2,527,026, Oct. 24.
Resistor and making the same. G. J. Mucher. 2,535,808, Dec. 26.
Resistor and making the same, Electrical. D. G. Scrantom. 2,503,418, Apr. 11.
Resistor and manufacturing the same, Film-type. D. W. Moore, Jr. Re. 23,219, Apr. 11.
Resistor apparatus, Variable. B. F. Tellkamp. 2,514,682, July 11.
Resistor, Carbon disk. C. H. Sparklin. 2,502,489, Apr. 4.
Resistor coated with ceramic composition. G. Goodman. 2,508,511, May 23.
Resistor especially adapted for high-frequency power, Non-inductive. N. C. Fulmer and J. J. Mason. 2,498,755, Feb. 28.
Resistor, Fixed electrical. H. H. Zabel, H. G. Thomson, and B. F. Tellkamp. 2,526,059, Oct. 17.
Resistor, Fluid. J. F. Taplin. 2,506,179, May 2.
Resistor, Heavy current. J. Schaefer. 2,522,542, Sept. 19.
Resistor, High-frequency. S. O. Dorst. 2,518,225, Aug. 8.
Resistor, Low inductance. R. J. S. Brown. 2,521,894, Sept. 12.
Resistor, Pressure operated. J. Clark. 2,507,501, May 16.
Resistor support. H. M. Isaacson. 2,502,044, Mar. 28.
Resistor, Wire-wound electrical. M. A. Thom. 2,524,550, Oct. 3.
Resistors, Making electrical. W. A. Miller. 2,511,216, June 13.
Resistors, Manufacturing. A. Meoni. 2,513,421, July 4.
Resolution of amines with pyrrolidone carboxylic acid. R. J. Dearborn and J. A. Stekol. 2,528,267, Oct. 31.
Resolution of chlorosilane mixtures. W. I. Patnode and J. R. Elliott. 2,519,926, Aug. 22.
Resolution of crude mother liquors obtained in manufacture of pentaerythritol. E. T. Mertz. 2,533,737, Dec. 12.
Resolution of nitrogen base mixtures. K. H. Engel. 2,510,877, June 6.
Resolving emulsions. W. H. Kirkpatrick and D. L. Wilson. 2,514,399, July 11.
Resolving emulsions. W. O. Webber. 2,503,014, Apr. 4.
Resolving water and oil emulsions. C. G. Kirkbride. 2,522,378, Sept. 12.
Resonance and standing-wave impedance measuring line. M. S. Wong. 2,516,169, July 25.
Resonance device for inspecting materials. B. Carlin. 2,499,459, Mar. 7.
Resonance inspection device. D. E. Farmer. 2,514,482, July 11.
Resonant chamber for accordions. A. Frontalini. 2,502,085, Mar. 28.
Resonant chamber for microphones. F. Massa. 2,518,805, Aug. 15.
Resonant circuit. B. Kumpfer. 2,525,806, Oct. 17.
Resonant electrical arrangement. B. A. Bels. 2,533,912, Dec. 12.
Resonant impedance branch. M. D. Brill. 2,530,679, Nov. 21.
Resonant system, Tunable. G. W. Wallin. 2,496,321, Feb. 7.
Resonator and mode suppressor therefor, Electrical. H. B. Brehm and W. F. Kannenberg. 2,527,619, Oct. 31.
Resonator, Capacitatively tuned concentric line. A. A. Macdonald and R. E. Mathieu. 2,523,128, Sept. 19.
Resonator, Cavity. W. E. Bradley. 2,496,772, Feb. 7.
Resonator device for ultra-short waves, Cavity. F. Coeterier. 2,496,378, Feb. 7.
Resonator, Electrical. J. P. Kinzer. 2,500,417, Mar. 14.
Resonator, Electrical. T. H. Turney. 2,507,426, May 9.
Resonator, Electromechanical. P. J. Neilson. 2,504,719, Apr. 18.
Resonator for pianos. C. E. Anderson. 2,523,982, Sept. 26.
Resonator for velocity modulation tubes. E. Touraton, R. Zwobada, and A.-M. Gratzmuller. 2,527,600, Oct. 31.
Resonator, Magnetron pilot cavity. W. V. Smith. 2,527,770, Oct. 31.
Resonator, Tunable high-frequency cavity. R. O. Haxby. 2,492,996, Jan. 3.
Resonator, Ultra high frequency. H. J. McCarthy. 2,524,268, Oct. 3.
Resorcinol aldehyde resinous compositions. D. N. Davies and F. S. Deutsch. 2,502,511, Apr. 4.
Resorcinol-aldehyde tanning product. H. C. Beachell. 2,512,708, June 27.
Respirator. T. A. Conley. 2,505,173, Apr. 25.
Respirator. W. W. Loose. 2,534,720, Dec. 19.
Respirator, Artificial. F. T. Wallin. 2,508,846, May 23.
Responsive control for waste disposal devices, Water temperature. J. H. Powers. 2,518,176, Aug. 8.
Response control for wide band amplifiers. A. Wright and E. L. Clark. 2,514,112, July 4.
Response curve indicator. J. L. Delvaux. 2,534,957, Dec. 19.
Responsive device, Speed. H. R. Canfield. 2,531,611, Nov. 28.
Rest for lathes, Steady. W. C. Martens. 2,511,930, June 20.
Rest for left foot of automobile driver. T. H. Newbern. 2,507,807, May 16.
Rest for shampooing, Neck. W. Morgan. 2,494,957, Jan. 17.
Rest for violins, Shoulder. E. M. Goldberger. 2,522,944, Sept. 19.
Restaurant equipment. R. H. Hill. 2,507,634, May 16.
Restrictor. W. L. Morrison. 2,511,733, June 13.
Restrictor for refrigeration systems, Externally adjustable tubular fluid flow. A. F. Hoesel. 2,532,452, Dec. 5.
Rest, Leg and foot. L. Herbert. 2,522,173, Sept. 12.
Restoring device for locking circuits. J. C. E. Mitchell. 2,515,052, July 11.
Resurfacing piston chambers. C. B. Boulton. 2,500,340, Mar. 14.
Retainer. A. Muller. 2,502,388, Mar. 28.
Retainer and collar lubricator, Combined waste. C. A. Gammon. 2,515,503, July 18.
Retainer and shaker, Condiment. W. R. Plunkett. 2,514,416, July 11.
Retainer, Baby bottle temperature. R. F. Brewer. 2,505,092, Apr. 25.
Retainer, Chair bottom. A. L. Hord. 2,499,956, Mar. 7.
Retainer for garments, Pleat. C. D. Gilbert. 2,493,400, Jan. 3.
Retainer for journal boxes, Waste. J. G. Williams. 2,498,385, Feb. 21.
Retainer for railway journal boxes, Cotton waste. P. A. Fisher and E. T. Shea. 2,495,410, Jan. 24.
Retainer for rock drills, Tool. E. B. Lear. 2,500,038, Mar. 7.
Retainer for spectacles. A. R. Schiff. 2,499,332, Feb. 28.
Retainer, Matrix. D. Reiter. 2,500,867, Mar. 14.
Retainer means for machine tools, Hammer. J. J. Mohr. 2,528,702, Nov. 7.
Retainer, Punch. J. A. Koning. 2,500,420, Mar. 14.
Retainer remover. S. G. Hallenborg. 2,506,356, May 2.
Retainer, Spindle whorl. F. H. Sweet. 2,500,717, Mar. 14.
Retainer spring clip. M. Caserta. 2,522,991, Sept. 19.
Retainer, Urn bag. E. H. Sieling. 2,496,757, Feb. 7.
Retaining body having a shouldered recess for a mirror or the like. T. Friedman. 2,500,897, Mar. 14.
Retaining clip. E. P. Bolduc. 2,505,273, Apr. 25.
Retaining device for rotary hooks. R. C. Robert. 2,505,523, Apr. 25.
Retarder, Car. G. C. Beltman. 2,499,812, Mar. 7.
Retarder for towel cabinets. L. L. Price. 2,500,094, Mar. 7.
Retarding erosion of gun barrels. N. H. Smith. 2,498,052, Feb. 21.
Retarding stiffening of bread. N. F. Johnston. 2,509,926–7, May 30.

Rethreader. E. E. Dyson and W. H. McCormick. 2,495,318, Jan. 24.
Rethreading tool. F. Porro. 2,508,291, May 16.
Reticle. J. M. Brady and S. Posten. 2,508,371, May 23.
Retinoscope, Streak. J. C. Copeland. 2,501,438, Mar. 21.
Retoothing machine, Saw. M. H. Wilbert. 2,503,980, Apr. 11.
Retouching device. J. B. Straughn. 2,495,146, Jan. 17.
Retractable air brake. R. C. Heffernan. 2,513,867, July 4.
Retractable gate valve. C. W. Yant. 2,502,689, Apr. 4.
Retractable landing gear. A. A. Gassner. 2,497,880, Feb. 21.
Retractable safety pin. J. L. Conway. 2,518,977, Aug. 15.
Retractable shock-absorbing landing gear. J. E. McCabe. 2,497,004, Feb. 7.
Retractable theater chair. H. P. Nordmark. 2,530,625, Nov. 21.
Retractile articles from solutions of cellulose triacetate in a solvent comprising glycol formal, Making. N. Drisch and R. Fays. 2,512,490, June 20.
Retracting type theater chair. A. C. Hoven. 2,500,124, Mar. 7.
Retracting type theater chair. A. C. Hoven, W. E. Nordmark, and W. S. Lindberg. 2,529,451, Nov. 7.
Retracting type theater chair. J. G. and T. W. Prosser. 2,494,779, Jan. 17.
Retracting type theater chair. J. G. and T. W. Prosser. 2,496,132, Jan. 31.
Retracting type theater chair. J. J. Roman. 2,499,112, Feb. 28.
Retractor, Brush spring. H. A. Krause. 2,507,981, May 16.
Retractor, Key. J. Mullan. 2,500,198, Mar. 14.
Retractor, Self-retaining abdominal. L. M. Rozek. 2,493,598, Jan. 3.
Retransmitter system and impulse corrector. P. Pellé. 2,535,754, Dec. 26.
Retriever. A. E. Speer. 2,522,692, Sept. 19.
Retriever assembly, Rod. J. G. Strong. 2,528,799, Nov. 7.
Retrieving device for articles submerged in water. W. E. Ramsey. 2,531,586, Nov. 28.
Retrieving tool. H. C. Otis. 2,508,286, May 16.
Return device for picker sticks. G. B. Reel. 2,535,867, Dec. 26.
Reverberation system, Synthetic. H. F. Olson. 2,493,638, Jan. 3.
Reverse flow countercurrent condenser. A. W. Baumann. 2,520,825, Aug. 29.
Reversible adjustable checking gauge. H. Chorlton. 2,507,961, May 16.
Reversible air-operated motor. H. L. Bowditch. 2,536,000, Dec. 26.
Reversible brief case. S. L. Beder. 2,493,182, Jan. 3.
Reversible coupling. A. Fredrikson. 2,510,880, June 6.
Reversible deadlatch. F. K. Heyer. 2,516,991, Aug. 1.
Reversible flow rotary pump. J. T. Leonard. 2,528,764, Nov. 7.
Reversible humidity indicator. L. C. Cartwright. 2,504,299, Apr. 18.
Reversible irrigation pump. H. M. Ellerkamp. 2,512,420, June 20.
Reversible or berthable seat. H. D. Rowe. 2,514,798, July 11.
Reversible press. J. Winson. 2,503,572, Apr. 11.
Reversible temperature control valve. W. A. Spofford. 2,511,677, June 13.
Reversing gear. A. T. Nabstedt and J. O. Berndtson. 2,502,799, Apr. 4.
Reversing mechanism. A. Meder. 2,525,929, Oct. 17.
Reversing mechanism for electric motors. H. C. Reynolds. 2,500,571, Mar. 14.
Reversing mechanism for skids of paper. G. C. Mutchler. 2,520,252, Aug. 29.
Reversing mechanism for washing machines. J. Zimarik. 2,506,052, May 2.
Reversing valve. N. A. Christensen. 2,496,036, Jan. 31.
Reversing valve. E. W. Pottmeyer. 2,525,826, Oct. 17.
Revetment. D. M. Shearer. 2,502,757, Apr. 4.
Revivification of adsorbents. W. J. Murray. 2,529,624, Nov. 14.
Revivifying sulfur killed catalysts. E. J. R. Sorf. 2,504,102, Apr. 18.
Revolver grip. G. W. Wylie. 2,509,553. May 30.
Revolver head for tool machines. G. P. V. Gloton. 2,509,635, May 30
Revolving cement mixer screen. A. Wehner. 2,496,077, Jan. 31.
Revolving door. F. C. Whiteford. 2,523,980, Sept. 26.
Revolving joint. F. N. Bard. 2,502,365, Mar. 28.
Rewind control, Differential. R. P. Bechle. 2,496,977, Feb. 7.
Rewind device, Lightproof. L. J. Mellert. 2,505,783, May 2.
Rheostat. L. Kebler. 2,512,745, June 27.
Rheostat, Carbon pile. E. P. Turner. 2,536,012, Dec. 26.
Rheostat, Carbon resistor. A. Sharenow. 2,533,519, Dec. 12.
Rheostat, Liquid. J. B. Robertson. 2,498,049, Feb. 21.
Rheostat, Liquid. G. R. Shaw. 2,495,188, Jan. 17.
Rheostat mechanism. P. H. Voorlas. 2,517,614, Aug. 8.
Rheostat, Metal clad plate type. G. L. McFarland, Jr., and E. F. Goetz. 2,498,500, Feb. 21.
Rheostat, Pressure responsive. M. E. Bourns. 2,497,974, Feb. 21.
Rheostat, Push-pull. H. W. Batcheller. 2,506,482, May 2.
Rheostat switch. E. C. Booth. 2,526,062, Oct. 17.
Rheostat switch. M. J. Larsen and J. A. Koehl. 2,513,415, July 4.
Rheostat switch. E. S. Stephens. 2,510,608, June 6.
Rheostatic control. W. B. M. Clark. 2,501,159, Mar. 21.
Rhodanic acid and oxarhodanic acid derivatives. H. D. Edwards and J. D. Kendall. 2,535,276, Dec. 26.
Rhythm selector. L. A. Ruben. 2,524,736, Oct. 3.
Rhythmic cycle indicator. J. P. Fay. 2,494,291, Jan. 10.
Rib for shotgun barrels, Removable ventilated. C. Crank. 2,496,854, Feb. 7.
Ribbon burner. W. M. Simpson. 2,512,752, June 27.
Ribbon, Composite. P. U. Klein. 2,512,337, June 20.
Ribbon feed device. L. F. Reinhold. 2,505,991, May 2.
Ribbon feeding and guiding means for typewriting and like machines. C. W. Brumhill. 2,513,137, June 27.
Ribbon inking and control thereof. R. G. Chollar and C. G. Dudis. 2,511,148, June 13.
Ribbon-type gas burner. J. H. Flynn. 2,499,482, Mar. 7.
Ribbon vibrating mechanism for typewriting machines. E. L. Wise. 2,498,781, Feb. 28.
Riboflavin by fermentation process, Production of. B. Tabenkin. 2,493,274, Jan. 3.
Riboflavin, Production of. R. M. James. 2,498,549, Feb. 21.
Rice planter's thumb protector. L. Mateo. 2,502,266, Mar. 28.
Rice, Treating. A. K. Ozai-Durrani. 2,498,573, Feb. 21.
Rice treating process. W. W. Jones, G. W. Brewer, and A. B. Court. 2,525,137, Oct. 10.
Rider-propelled vehicle. R. Edgar. 2,510,013, May 30.
Ridge grinding tool. E. M. McGovern and P. Schrick. 2,535,587, Dec. 26.
Rifle sight conversion attachment. U. Lillard. 2,514,654, July 11.
Rifle target, Self-sealing. R. D. Gartrell. 2,535,280, Dec. 26.
Rig for attachment to flat bottom rubber boats or rafts, Sailing and steering. J. C. Boyd. 2,531,549, Nov. 28.
Rig for ladles, Stopper. H. A. Davis and G. W. Ruhl. 2,531,556, Nov. 28.
Rig, Well-drilling. C. R. Athy. 2,505,088, Apr. 25.
Right angle constant impedance connector. G. C. Arnold, Jr. 2,504,104, Apr. 18.
Rigid tire chain. B. W. Nickerson, Jr. 2,528,165, Oct. 31.
Rim. C. W. Sinclair. 2,519,937, Aug. 22.
Rim for tires. E. R. Patterson. 2,521,249, Sept. 5.
Rim for tissue dispenser openings. K. T. Snow. 2,514,612, July 11.
Rim grip brake. R. B. Pogue. 2,527,072, Oct. 24.
Rim member and making it. I. I. Morris. 2,504,144, Apr. 18.
Rim to collect fiber and prevent mixing with juice of juice extractors. M. F. Reynolds. 2,513,519, July 4.
Rim, Separable. J. Babin. 2,496,256, Feb. 7.
Ring: *See*—

Aerial cable messenger ring.	Key ring.
	Metallic sealing ring.
Capped prong ring.	Packing or plunger ring.
Clamping ring.	Packing ring.
Colostomy ring.	Piston ring.
Composite piston ring.	Proving ring.
Drapery ring.	Seal ring.
Electronic counting ring.	Segmental piston ring.
Fan ring.	Teething ring.
Finger ring.	Transfer ring.
High-voltage cathode-ray tube corona ring.	Ventilated lens ring.
	Wheel trim ring.

Ring and seal for nursing units, Neck. A. M. Allen. 2,508,481, May 23.
Ring assembly. G. F. Albrecht. 2,502,116, Mar. 28.
Ring assembly, Retaining. L. S. Bluth and R. Feitl. 2,509,081, May 23.
Ring circuit. T. A. Prugh. 2,516,146, July 25.
Ring combination, Finger. H. Peterson and F. R. Gardner. 2,507,348, May 9.
Ring ensemble, Interlocking. L. Granat. 2,493,285, Jan. 3.
Ring expander, Piston. G. F. Wetzel. 2,494,787, Jan. 17.
Ring expander, Split. L. R. Barkan and M. L. Anderson. 2,532,141, Nov. 28.
Ring for centrifugal pump impellers, Composite wear. J. F. Griffin. 2,517,477, Aug. 1.
Ring for dial covers and the like, Retaining. E. F. Geiger and R. B. Johnson. 2,496,584, Feb. 7.
Ring for filters, Overlapping blow. W. M. Sheldon. 2,511,817, June 13.
Ring for gas turbines, Nozzle. W. K. Bodger. 2,497,041, Feb. 7.
Ring for percolator tops, Retaining. N. Sciurba. 2,523,526, Sept. 26.
Ring for reels, Rolling. F. R. Schaefer. 2,494,523, Jan. 10.
Ring for removable drilling bits, Retrieving. C. C. Koelin. 2,506,795, May 9.
Ring for ring spinning machines. G. H. Pimley. 2,533,503, Dec. 12.
Ring gauge. G. and E. F. Hohwart. 2,508,826, May 23.
Ring main distribution protection system. K. Dannenberg. 2,525,527, Oct. 10.

Ring packing and making the same. E. J. Poltorak. 2,533,742, Dec. 12.
Ring roll bearing. R. G. Cramer. 2,529,918, Nov. 14.
Ring shearing machine. J. H. Friedman. 2,518,433, Aug. 8.
Ring spinning apparatus. E. R. J. Dufond. 2,499,342, Feb. 28.
Ring systems from azo dyes. J. F. Morgan and H. W. Grimmel. 2,515,728, July 18.
Ring with flashlight attachment, Finger. M. M. Brown. 2,516,180, July 25.
Ringer, Hog. C. L. Austin. 2,525,759, Oct. 17.
Ringer, Hog. B. F. Miltner. 2,502,873, Apr. 4.
Ringer, Telephone substation. J. F. Houdek, Jr. 2,516,214, July 25.
Ringing control circuit. M. C. Goddard. 2,535,675, Dec. 26.
Ringing device, Bell. R. Blackburn. 2,512,912, June 27.
Ringing system, Selective station. F. J. Singer and L. J. Stacy. 2,532,125, Nov. 28.
Ripening process. M. E. Martin and W. E. Kight. 2,523,384, Sept. 26.
Ripper tool. S. Schwork. 2,498,458, Feb. 21.
Ripping device, Thread stitch. I. M. Groff. 2,533,105, Dec. 5.
Ripping tool. C. G. Jockisch. 2,505,860, May 2.
River weight. A. J. Edwards. 2,518,981, Aug. 15.
Rivet. J. B. Campbell. 2,525,117, Oct. 10.
Rivet. L. C. Huck. 2,501,567, Mar. 21.
Rivet. C. M. Johnson. 2,499,315, Feb. 28.
Rivet and riveting. L. C. Huck. 2,527,307, Oct. 24.
Rivet, Blind. L. C. Huck. 2,526,235, Oct. 17.
Rivet cutter. J. W. Geddes. 2,494,996, Jan. 17.
Rivet cutter. E. Johnson. 2,527,735, Oct. 31.
Rivet feed, Air gun. H. M. Griffin. 2,493,868, Jan. 10.
Rivet feed, Pneumatically operated. C. Chadwick. 2,506,994, May 9.
Rivet feeding attachment. O. R. Perry. 2,507,047, May 9.
Rivet, Self-broaching. W. S. Cockrell. 2,510,076, June 6.
Rivet setting arm. F. A. Marty. 2,532,928, Dec. 5.
Rivet-stem gripping and pulling mechanism. R. C. and H. W. Stouffer. 2,525,626, Oct. 10.
Rivet, Tubular. V. H. Hasselquist. 2,521,848, Sept. 12.
Riveter, Automatic. J. O. Hruby, Jr. 2,511,506, June 13.
Riveter for ledger plates. E. W. Waldie. 2,516,279, July 25.
Riveter, Portable. P. B. Tisie. 2,515,674, July 18.
Riveting and assemblage preparatory therefor. P. B. Keller and D. Jelinek. 2,511,920, June 20.
Riveting equipment. M. Brown. 2,496,330, Feb. 7.
Road barricade. D. S. Crocker. 2,517,982, Aug. 8.
Road building machine. R. A. Gordon. 2,522,610, Sept. 19.
Road-grading attachment. A. F. Butch. 2,520,359, Aug. 29.
Road repairing machine, Hot-blast. W. G. Chausse. 2,532,994, Dec. 5.
Road roller. B. Essick. 2,534,506, Dec. 19.
Road roller construction. B. Essick. 2,534,507, Dec. 19.
Road vehicle. C. R. Livermon. 2,533,271, Dec. 12.
Roast rack. J. C. Brown. 2,503,795, Apr. 11.
Roaster and broiler, Portable. W. R. Weeks. 2,523,796, Sept. 26.
Roaster, Automatic. A. G. Thomas. 2,493,903, Jan. 10.
Roaster, Electric. T. W. Roberts. 2,509,169, May 23.
Roasting aid. H. H. Davis. 2,509,727, May 30.
Roasting, Magnetic. P. H. Royster. 2,528,553, Nov. 7.
Roasting method and machine. H. M. Husk, G. Smith, and R. H. Shaw. 2,522,448, Sept. 12.
Roasting rack. D. K. Ferris. 2,520,389, Aug. 29.
Roasting rack. S. U. Irwin. 2,513,177, June 27.
Robe, Sanitary combination barbering. J. S. Privott. 2,523,323, Sept. 26.
Robo-chord. K. A. Bowen. 2,521,686, Sept. 12.
Rock bit. W. A. Roberts. 2,499,282, Feb. 28.
Rock conveyor ship. M. R. Ward. 2,532,249, Nov. 28.
Rock coring method. W. S. Walls. 2,510,300, June 6.
Rock drill. P. H. Nast. 2,525,422, Oct. 10.
Rock drill bit. J. C. Curtis. 2,502,128, Mar. 28.
Rock gatherer. A. E. Baugh. 2,503,465, Apr. 11.
Rock gouge. C. P. Hall. 2,517,426, Aug. 1.
Rock picker. A. M. Jochim. 2,519,136, Aug. 15.
Rock wool mass. N. K. Chaney and C. W. Jordan. 2,520,124, Aug. 29.
Rocker arm. J. R. Winter. 2,521,621, Sept. 5.
Rocker arm. J. R. Winter, Jr. 2,523,489, Sept. 26.
Rocker arm cover vapor receiver. B. I. Kraker. 2,529,616, Nov. 14.
Rocker arm, Engine. J. M. Leake. 2,529,089, Nov. 7.
Rocker arm for internal-combustion engines. J. R. Winter, Jr. 2,522,326, Sept. 12.
Rocker arm lubrication. J. R. Winter, Jr. 2,509,661, May 30.
Rocker arm, Self-adjusting. S. W. Hall. 2,532,905, Dec. 5.
Rocker-arm snap switch. F. C. Fuke. 2,533,571, Dec. 12.
Rocker attachment unit for tricycles. F. J. Sever. 2,499,531, Mar. 7.
Rocker suspension. W. B. Kirkwood and W. R. Stevens. 2,529,613. Nov. 14.
Rockerless rocking chair. R. H. Arf and B. G. Beier. 2,523,894, Sept. 26.
Rocking chair. W. F. Spradlen. 2,529,638, Nov. 14.
Rocking horse. M. W. Linder. 2,494,184, Jan. 10.
Rocking horse, Tricycle type. J. J. Kelleher. 2,518,899, Aug. 15.
Rocket. C. N. Mari. 2,535,309, Dec. 26.
Rocket for propelling underwater torpedoes, Multiple grain. R. W. Wallace. 2,529,465, Nov. 7.
Rocket launcher. L. A. Richards and F. C. Lindvall. 2,532,643, Dec. 5.
Rocket, Side venting. L. A. Skinner. 2,510,147, June 6.
Rod: *See*—
Adjustable curtain rod.
Antimicrophonic "V" tension rod.
Composite surfacing weld rod.
Composite weld rod.
Coupler operating rod.
Curtain rod.
Induction furnace push-out rod.
Lifting rod.
Locking type hair-waving rod.
Operating rod.
Repeatedly ignitable rod.
Temperature compensated control rod.
Weld rod.
Welding rod.
Rod and cap and making same, Connecting. F. A. Lee and F. J. Shappell. 2,533,822, Dec. 12.
Rod and reel, Fishing. A. J. Marshaus. 2,501,530, Mar. 21.
Rod and reel holder. L. A. Braatz. 2,504,385, Apr. 18.
Rod and reel holder. H. C. Fratt. 2,529,148, Nov. 7.
Rod arrangement for conveyer plaques. A. A. Tunley. 2,520,073, Aug. 22.
Rod bending device. W. E. Fagge. 2,502,713, Apr. 4.
Rod brake. D. E. Moran and S. F. Jarvis. 2,534,984, Dec. 19.
Rod connection, Railway switch throw. H. D. Abernethy. 2,515,624, July 18.
Rod for filing cabinets, Index. F. A. Saaf and C. M. Abrahamson. 2,523,722, Sept. 26.
Rod for folding gates, Safety. L. W. Turner. 2,520,664, Aug. 29.
Rod for hanging garments in automobiles. H. R. Bailey. 2,499,560, Mar. 7.
Rod for parachutist, Propelling. L. A. V. Rozas. 2,529,966, Nov. 14.
Rod joint or connection. G. A. Tinnerman. 2,530,554, Nov. 21.
Rod mill. K. Z. Huszár. 2,513,413, July 4.
Rod or the like, Curtain. S. W. Pegram. 2,509,521, May 30.
Rod support. H. Grass. 2,528,358, Oct. 31.
Rod unit, Connecting. G. C. Paxton. 2,523,631, Sept. 26.
Rodding machine. J. E. Dufresne. 2,515,953, July 18.
Rodding machine, Duct. C. Jasper and G. T. Hawk. 2,518,330, Aug. 8.
Rods for water tanks, Making sacrifice. B. E. Mustee. 2,529,348, Nov. 7.
Rodent or animal trap. J. C. Honeycutt. 2,523,624, Sept. 26.
Rodent trap. C. O. Back. 2,501,490, Mar. 21.
Rodent trap. C. T. Fuller. 2,496,708, Feb. 7.
Rodent trap. A. R. Mann. 2,498,169, Feb. 21.
Rodent trap. C. Zuras. 2,527,473, Oct. 24.
Rodenticide compositions comprising pentaesters of tripolyphosphoric acid. F. D. Smith and J. S. Harris. 2,523,252, Sept. 19.
Roentgen-ray apparatus. W. Ott. 2,531,583, Nov. 28.
Roll adjusting means, Folding machine. R. J. Waterworth. 2,503,858, Apr. 11.
Roll-a-way window screen. P. W. Zagrodny. 2,514,274, July 4.
Roll bearing device. S. E. M. Norlindh. 2,500,957, Mar. 21.
Roll-bearing device. S. E. M. Norlindh. 2,506,681, May 9.
Roll, Calender. L. Eaby. 2,498,662, Feb. 28.
Roll crimping machine. H. C. Bryans. 2,533,993, Dec. 12.
Roll forming apparatus. E. A. Kruse. 2,501,607, Mar. 21.
Roll forming machine, Sliver. J. S. Brown. 2,495,205, Jan. 24.
Roll grooving apparatus. A. C. Koenig. 2,495,107, Jan. 17.
Roll holder. A. H. Ramquist. 2,529,420, Nov. 7.
Roll material strip cutter. J. S. MacIntyre. 2,511,927, June 20.
Roll, Multisection yarn feeding. P. J. Galbreath. 2,514,634, July 11.
Roll-on jack. B. F. Randrup. 2,522,801, Sept. 19.
Roll-shaper supporting bracket. A. and C. Ott. 2,520,165, Aug. 29.
Roll toilet paper dispenser. E. Agamaite, Jr. 2,510,537, June 6.
Roll toilet paper holder. G. D. Graumlich. 2,523,951, Sept. 26.
Roll-type electric iron. D. N. Asta. 2,522,247, Sept. 12.
Roller and cleaner assembly for use with belt conveyers, Idler. R. D. MacDonald. 2,506,372, May 2.
Roller and harrow, Adjustable land. F. M. Buschor. 2,523,421, Sept. 26.
Roller and track unit for the power actuated endgate of scrapers. A. G. Gurries and J. A. White, Jr. 2,514,053, July 4.
Roller attachment, Toilet paper. A. Foltis. 2,522,109, Sept. 12.
Roller bearing and roller cage therefor. C. H. Reiss. 2,503,070, Apr. 4.

Roller, Belt conveyer idler. F. N. Smith. 2,498,013, Feb. 21.
Roller cleat for bottom boards. C E. Westover. 2,521,660, Sept. 5.
Roller, Corn husking. A. R. Martin. 2,503,344, Apr. 11.
Roller contactor for moisture meters or the like. R. S. Hart. 2,527,815, Oct. 31.
Roller control mechanism for dough sheeting tables. H. F. White. 2,500,479, Mar. 14.
Roller, Cork printer's. H. J. Lowe. 2,501,780, Mar. 28.
Roller, Curtain stretcher. J. V. Piercey. 2,498,963, Feb. 28.
Roller, Curtain stretcher. E. C. McVarish. 2,514,663, July 11.
Roller device for cloth dyeing and like machines, Reservoir forming. J. Dungler. 2,511,625, June 13.
Roller drive for continuous web feeds, Idler. P. Cherigié. 2,529,281, Nov. 7.
Roller felting machine. M. Cassé. 2,506,855, May 9.
Roller for duplicating machines, Moistening. H. R. Gullixson. 2,530,388, Nov. 21.
Roller for electric power lawn mowers, Automatic electric wire. B. Reil. 2,498,609, Feb. 21.
Roller for lawn mowers. R. D. Clemson. 2,528,116, Oct. 31.
Roller, Heating. R. S. Schaab and J. E. Tiso. 2,526,906, Oct. 24.
Roller journal for hot-gas swept bowl mills. G. H. Frangquist. 2,532,092, Nov. 28.
Roller latch. J. W. Aurandt. 2,519,011, Aug. 15.
Roller mechanism for label pasting machines, Adhesive applying. F. Elsner. 2,503,810, Apr. 11.
Roller mounting. G. A. K. Hunt. 2,517,208, Aug. 1.
Roller mounting. R. A. Stone. 2,525,971, Oct. 17.
Roller of the detachable sleeve type, Painting. E. E. Thomas and S. T. Coughlan. 2,520,863, Aug. 29.
Rolled paper dispenser. B. H. Locke. 2,498,215, Feb. 21.
Roller, Pipe. M. A. Adams. 2,531,545, Nov. 28.
Roller, Plastic. G. R. Laure. 2,497,224, Feb. 14.
Roller, Scoring. H. F. Cox, Jr. 2,519,355, Aug. 22.
Roller, Self-propelled tamping. C. F. Greiner and J. F. Harrison. 2,510,817, June 6.
Roller skate. C. J. Johnson. 2,525,905, Oct. 17.
Roller skate. A. E. Murray. 2,533,740, Dec. 12.
Roller skate. M. W. Schmid. 2,529,314, Nov. 7.
Roller skate and carrier device therefor. A. Woodard and I. W. Lewine. 2,531,959, Nov. 28.
Roller skate construction. H. R. Miller. 2,533,277, Dec. 12.
Roller skate wheel. E. G. Blaes. 2,534,401, Dec. 19.
Roller, Snap-in. R. A. Stone. 2,505,592, Apr. 25.
Roller, Stippling. C. F. Galen. 2,528,646, Nov. 7.
Roller, Tandem road. H. W. Lewis. 2,514,711, July 11.
Roller, Tractor wheel supported mulching. D. E. Hanson. 2,525,545, Oct. 10.
Roller transporting device for heavy objects. F. E. Kruckenberg. 2,528,760, Nov. 7.
Roller type friction clutch. H. M. Kesterton. 2,497,361, Feb. 14.
Roller type overrunning clutch. T. Iavelli. 2,498,856, Feb. 28.
Roller unit, Cushioning. F. G. Clark. 2,502,929, Apr. 4.
Roller unit for furnaces. W. J. Millar. 2,531,984, Nov. 28.
Roller, Vacuum cleaner. E. Grzelczyk. 2,523,823, Sept. 26.
Rollers, Manufacturing printing and coating. J. G. Streckfus and H. Godwin. 2,518,834, Aug. 15.
Rolling contact device for measuring lengths of flexible hose, strip and the like. J. A. Weber. 2,494,732, Jan. 17.
Rolling door. R. H. Greegor. 2,495,963, Jan. 31.
Rolling element for games and the like. F. S. Sinclaire. 2,524,546, Oct. 3.
Rolling invalid toilet chair. H. O. Woods. 2,509,551, May 30.
Rolling mill material handling method and apparatus. F. J. Wood. 2,527,667, Oct. 31.
Rolling strip material. J. L. and E. J. Hunter and T. Martin. 2,503,824, Apr. 11.
Roof. C. L. Golaz. 2,520,499, Aug. 29.
Roof and side wall connection for railway cars and similar vehicles. A. G. Dean. 2,514,122, July 4.
Roof and side wall construction of bodies for land vehicles, especially railway cars. A. G. Dean. 2,514,123, July 4.
Roof bow for highway vehicles. J. J. Black. 2,500,021, Mar. 7.
Roof, Center-weighted floating. F. D. Prager and R. C. Ulm. 2,497,047, Feb. 7.
Roof, Concrete. R. W. Rumble. 2,527,035, Oct. 24.
Roof construction. J. F. Blaski. 2,526,323, Oct. 17.
Roof construction, Silo. E. C. Lindemeier. 2,523,381, Sept. 26.
Roof door device, Vehicular. M. C. Hilliard and T. E. Carroll. 2,499,749, Mar. 7.
Roof flashing and pipe joint. D. M. Goldstein. 2,510,926, June 6.
Roof flashing, Making. C. C. Figge. 2,499,908, Mar. 7.
Roof or siding. G. C. Bull. 2,526,727, Oct. 24.
Roof pitch sight gauge. F. Hansen. 2,535,411, Dec. 26.
Roof, Railway freight car. J. E. Vaughn. 2,513,829, July 4.
Roof, Reinforced sheet metal. R. Stemmons and W. L. Edel. 2,532,466, Dec. 5.
Roofing. H. G. Goslin. 2,532,095, Nov. 28.
Roofing. H. King. 2,533,378, Dec. 12.
Roofing and waterproofing machine. C. R. Smith. 2,500,583, Mar. 14.
Room arrangement, Sleeping car. W. B. Dean and N. W. Fesmire. 2,498,255, Feb. 21.
Room cooler. R. H. Money. 2,500,852, Mar. 14.
Room heater. E. A. Farr. 2,498,157, Feb. 21.
Room heater. C. M. Osterheld. 2,511,540, June 13.
Room heater. C. M. Osterheld. 2,520,775, Aug. 29.
Root cutter. L. Cole. 2,495,052, Jan. 17.
Root feeding device. R. Daniels. 2,505,174, Apr. 25.
Root for rotating wings. B. Sznycer. 2,499,696, Mar. 7.
Rope and manufacturing same, Wire. H. A. Toulmin, Jr., and J. E. Berman. 2,509,894, May 30.
Rope brake. F. R. Buckley and D. Symthe. 2,516,851, Aug. 1.
Rope grip for aerial cableways. A. Frieder and P. Zuberbühler. 2,523,107, Sept. 19.
Rope making machine, Wire. W. T. MacCreadie. 2,526,147, Oct. 17.
Rope manufacturing machine, Wire. W. T. MacCreadie. 2,506,230, May 2.
Rope suspended ascending and descending supporting device. J. Niemiec. 2,508,187, May 16.
Roping bit. O. Crockett. 2,512,012, June 20.
Rosin ammonium phenoxides as fungicides. R. Rosher. 2,513,429, July 4.
Rosin-containing mixed esters. L. Shechter and J. M. Whelan, Jr. 2,534,308, Dec. 19.
Rosin ester reaction products and making same. J. B. Rust. 2,518,495, Aug. 15.
Rosin esters, Modified. R. V. Lawrence and M. W. Kaufmann. 2,504,989, Apr. 25.
Rosin products and processes, Refined. B. L. Hampton. 2,494,550, Jan. 17.
Rosin products and processes, Refined. B. L. Hampton. 2,497,882, Feb. 21.
Rosin refining, Dehydrogenated. A. L. Rummelsburg. 2,510,297, June 6.
Rosin size, Color stabilized. E. N. Poor and C. G. Landes. 2,502,883–4, Apr. 4.
Rotary and sliding ball bearing. T. F. Schlicksupp. 2,520,785, Aug. 29.
Rotary balancing valve. J. A. Muller. 2,511,538, June 13.
Rotary bar door fastener. R. J. Olander. 2,516,336, July 25.
Rotary beater grinding mill. J. W. Williamson. 2,505,023, Apr. 25.
Rotary cutter vine lifter. J. R. Teichman. 2,510,728, June 6.
Rotary cutting and creasing press. B. J. Davidson. 2,515,863, July 18.
Rotary cutting mechanism, Planetary. W. B. Hays. 2,506,215, May 2.
Rotary cylinder abrading tool. E. W. Hall. 2,497,497, Feb. 14.
Rotary developing tank. S. S., and A. S. Alberts. 2,519,337, Aug. 22.
Rotary display rack. R. F. Johnson. 2,515,925, July 18.
Rotary display stand. E. Pavlick. 2,517,412, Aug. 1.
Rotary distributing head oil burner. H. W. Olsen. 2,501,736, Mar. 28.
Rotary doughnut cutter. S. A. Williamson. 2,525,987, Oct. 17.
Rotary drier. J. W. Bell. 2,504,378, Apr. 18.
Rotary drilling tool. L. Nussbaum. 2,511,991, June 20.
Rotary egg cleaner. C. E. Harman. 2,524,626, Oct. 3.
Rotary electric switch. J. Brasty. 2,518,219, Aug. 8.
Rotary engine. J. H. Feaster. 2,505,951, May 2.
Rotary engine. P. D. Hutton. 2,525,903, Oct. 17.
Rotary film holder. W. E. Tait and A. W. Stellpflug. 2,494,495, Jan. 10.
Rotary fluid coupling. G. P. Castner. 2,513,845, July 4.
Rotary fluid coupling. H. J. Mertz. 2,526,082, Oct. 17.
Rotary fluid coupling. R. J. Miller. 2,500,002, Mar. 7.
Rotary fluid motor. M. C. Searle. 2,501,009, Mar. 21.
Rotary fluid motor. E. D. Smyser. 2,528,617, Nov. 7.
Rotary fluid unit for take-off under variable control. E. Topanelian, Jr. 2,509,321, May 30.
Rotary fluid valve. J. W. F. Holl. 2,519,574, Aug. 22.
Rotary for drilling wells. J. D. Bennett. 2,506,767, May 9.
Rotary gear-type metering pump. D. R. Hull, D. P. Phillips, and N. H. Tate. 2,533,320, Dec. 12.
Rotary hook mechanism of sewing machines. C. H. Petskeyes. 2,523,230, Sept. 19.
Rotary hydraulic coupling. R. Spiegel. 2,533,148, Dec. 5.
Rotary hydraulic coupling. R. Zavarella. 2,533,544, Dec. 12.
Rotary hydraulic pump. D. Johnston. 2,525,907, Oct. 17.
Rotary impact pipe cutter. R. M. D'Arcy. 2,501,761, Mar. 28.
Rotary impact tool. L. P. Fosnot. 2,520,920, Sept. 5.
Rotary impact type turning tool. D. R. Lemmerman. 2,507,167, May 9.
Rotary inertia device. C. S. Kelley. 2,531,054, Nov. 21.
Rotary internal-combustion ergine. C. R. Barsby. 2,530,281, Nov. 14.

Rotary internal-combustion engine. A. C. Faitout and P. R. Lestage. 2,516,051, July 18.
Rotary internal-combustion engine. J. N. Hinckley. 2,500,458, Mar. 14.
Rotary internal-combustion engine. C. A. Loubiere. 2,511,441, June 13.
Rotary jet engine. I. Margolis. 2,509,359, May 30.
Rotary jet propelled motor. E. J. Hart. 2,499,863, Mar. 7.
Rotary joint. C. W. Klostermann. 2,514,160, July 4.
Rotary knockout mechanism for pigcasting machines. L. A. Gionet. 2,533,576, Dec. 12.
Rotary line drier. A. K. Peterson and H. C. Hubbard. 2,519,396, Aug. 22.
Rotary mixer. F. B. Yingling. 2,501,805, Mar. 28.
Rotary multicolor printing press. A. S. Huckins. 2,533,012, Dec. 5.
Rotary multiple contactor. H. K. Krantz. 2,509,931, May 30.
Rotary multiple rack phonograph record cabinet. J. Scuderi. 2,524,275, Oct. 3.
Rotary music holder. W. F. Malpas. 2,518,157, Aug. 8.
Rotary photoprint washer. M. A. Dodson. 2,499,468, Mar. 7.
Rotary pill dispenser. G. C. Sparks. 2,519,156, Aug. 15.
Rotary plug valve. E. G. Schmidt. 2,501,635, Mar. 21.
Rotary printing and distributing means. C. P. Dyken. 2,528,123, Oct. 31.
Rotary pump. F. C. Byram. 2,512,765, June 27.
Rotary pump. C. G. Cooke. 2,498,530, Feb. 21.
Rotary pump. L. Dinesen and L. J. Olson. 2,493,478, Jan. 3.
Rotary pump R. MacDougall. 2,508,678, May 23.
Rotary pump. W. H. MacPherson. 2,521,236, Sept. 5.
Rotary pump. H. J. Rand. 2,499,163, Feb. 28.
Rotary pump. E. H. Shaff. 2,514,521, July 11.
Rotary pump. F. A. Whiteley. 2,498,972, Feb. 28.
Rotary-reciprocating motion converter. S. Mandl. 2,525,922, Oct. 17.
Rotary reflecting element in a view finder for cinematographic cameras. A. C. Coutant and J. Mathot. 2,513,149, June 27.
Rotary roller pump. R. E. E. Jessop. 2,520,724, Aug. 29.
Rotary rolling mill guide. W. T. Wehman. 2,535,976, Dec. 26.
Rotary screw pump. R. E. Engberg. 2,527,536, Oct. 31.
Rotary snap switch. A. I. and N. A. Appleton. 2,519,215, Aug. 15.
Rotary stencil film cutter. P. N. Rice. 2,525,828, Oct. 17.
Rotary switch. K. W. Graybill and H. Sengebusch. 2,522,715, Sept. 19.
Rotary take-up means for sewing machines. C. F. Rubel. 2,511,081, June 13.
Rotary-to-oscillatory motion converter. F. A. Lane. 2,503,159, Apr. 4.
Rotary valve. W. G. Gernandt. 2,516,976, Aug. 1.
Rotary valve engine. L. W. Beaven. 2,512,909, June 27.
Rotary valve internal-combustion engine. A. P. Ball. 2,498,846, Feb. 28.
Rotary valve internal-combustion engine. N. Petras. 2,528,970, Nov. 7.
Rotary vane pump. C. W. Cline. 2,535,267, Dec. 26.
Rotary weed cutter. R. Turner and L. Howell. 2,494,271, Jan. 10.
Rotary X-ray tube. J. H. Van Der Tuuk and B. Combee. 2,499,545, Mar. 7.
Rotatable closure structure having yieldable locking means. C. A. Brooks. 2,533,915, Dec. 12.
Rotatable control. D. F. Alexander, A. J. Kuhn, and J. R. Hornaday. 2,506,761, May 9.
Rotatable seat. H. Honigman. 2,502,847, Apr. 4.
Rotatable steam joint. J. Bodnar. 2,533,421, Dec. 12.
Rotatable telephone stand. W. E. Hampton and L. J. Murray. 2,512,933, June 27.
Rotatable wave guide joint. A. Alford. 2,535,251, Dec. 26.
Rotating combustion chamber with fixed jacket casing. R. H. Goddard. 2,526,224, Oct. 17.
Rotating device and air supply and control mechanism therefor, Air-operated. E. R. Smith. 2,522,142, Sept. 12.
Rotating double picture frame. J. Nesel. 2,515,053, July 11.
Rotating hook. M. Joseph. 2,495,637, Jan. 24.
Rotating machine. A. Tustin. 2,520,582, Aug. 29.
Rotating turrets with pear peeling, coring, and splitting means, Continuously. A. R. Thompson. 2,526,712, Oct. 24.
Rotator, Antenna. R. H. Jordan. 2,498,957, Feb. 28.
Rotor assembly. V. E. Cooley. 2,529,487, Nov. 14.
Rotor assembly. R. G. Le Tourneau. 2,531,225, Nov. 21.
Rotor assembly. R. C. McLeod, T. E. Callister, K. Watson, and G. W. Bone. 2,516,066, July 18.
Rotor blade for helicopters. C. W. Ranson. 2,511,376, June 13.
Rotor brake. C. E. Tack. 2,498,625, Feb. 21.
Rotor construction for ensilage cutters. G. B. Hill. 2,510,633, June 6.
Rotor construction for induction motors. R. A. Baudry and W. C. Brenner. 2,519,219, Aug. 15.
Rotor control, Helicopter. I. I. Sikorsky. 2,517,509, Aug. 1.
Rotor control mechanism and ground-wheel drive for helicopters. T. H. Judge. 2,518,623, Aug. 15.
Rotor for aircraft, Sustaining. R. R. Hays. 2,495,523, Jan. 24.
Rotor for alternating current machines. H. M. Joy. 2,499,390, Mar. 7.
Rotor for centrifugal stills. E. K. McLean and R. H. Ives. 2,523,042, Sept. 19.
Rotor for dynamoelectric machines. M. A. Edwards and F. W. Merrill. 2,519,895, Aug. 22.
Rotor for dynamoelectric machines. F. W. Merrill. 2,525,456, Oct. 10.
Rotor for dynamoelectric machines. W. J. Morrill. 2,516,901, Aug. 1.
Rotor for electric machines and making the same. M. W. Brainard. 2,493,102, Jan. 3.
Rotor for hammer mills. M. N. Dressel. 2,517,990, Aug. 8.
Rotor for helicopters. R. L. Weir. 2,530,276, Nov. 14.
Rotor for permanent magnet dynamoelectric machines. F. W. Merrill. 2,522,233, Sept. 12.
Rotor for rotating wing aircraft, Sustaining. H. T. Avery. 2,520,268, Aug. 29.
Rotor for rotor sustained aircraft. P. J. Brouwer. 2,509,128, May 23.
Rotor for seed dispensing machines, Suction pickup. E. C. Enebeck. 2,505,758, May 2.
Rotor for squirrel-cage motors, Shrunk. L .R. Ludwig and W. H. Formhals. 2,528,154, Oct. 31.
Rotor for synchronous induction motors. F. W. Merrill. 2,525,455, Oct. 10.
Rotor, Generator. J. A. Mesh. 2,501,232, Mar. 21.
Rotor, Induction. R. G. Le Tourneau. 2,517,002, Aug. 1.
Rotor, Inverse. R. Matheisel. 2,509,442, May 30.
Rotor, Material reducing. B. H. Landenberger. 2,499,512, Mar. 7.
Rotor mechanism for aircraft Retractable lift. H. A. Garrett. 2,531,976, Nov. 28.
Rotor mechanism, Helicopter lifting. R. W. Jenny. 2,512,461, June 20.
Rotor mounting for helicopters. J. P. Perry. 2,514,206, July 4.
Rotor, Multidisk. T. Clark and J. H. C. Atkins. 2,497,151, Feb. 14.
Rotor on common hinge, Two-bladed tail. W. E. Hunt. 2,499,314, Feb. 28.
Rotor starting mechanism. S. Kahn. 2,502,048, Mar. 28.
Rotor structure for hay manglers or grinders. W. W. Miner, Jr., R. Owens, and N. Ray. 2,508,682, May 23.
Rotor structure, Hammer mill. M. E. Hamilton. 2,494,705, Jan. 17.
Rotor support. I. I. Sikorsky. 2,494,209, Jan. 10.
Rotor, Turbine or compressor. W. K. Bodger. 2,510,734, June 6.
Rotor type railway brake. W. A. Helsten. 2,531,358, Nov. 21.
Rotor winding. C. A. Thomas. 2,509,746, May 30.
Rotor with resistor, Ignition. J. T. Fitzsimmons. 2,509,094, May 23.
Rotor with tubular inserts embedded in destructible material, Die cast. E. C. George. 2,504,823, Apr. 18.
Rotors, Magnetizing permanent magnet. S. H. Ross. 2,529,049, Nov. 7.
Roto-volumetric pump. A. Dutrey. 2,501,998, Mar. 28.
"Rotozone" deflection trainer. A. J. Ruiz and S. C. Jamieson. 2,519,402, Aug. 22.
Round and sectional boiler. O. Muller. 2,535,507, Dec. 26.
Round cornered folding box. V. R. Pantalone and M. I. Williamson. 2,523,251, Sept. 19.
Rounding machine. C. W. Baker. 2,508,360, May 23.
Roundabout, Collapsible. R. R. Peterson. 2,525,458, Oct. 10.
Roundabout, Occupant propelled. J. S. Evans. 2,516,049, July 18.
Roundabout, Undulating track occupant propelled. H. Hansen and C. F. Brown. 2,533,368, Dec. 12.
Routing tool. R. J. Higerd. 2,529,157, Nov. 7.
Rowboat stabilizer. S. Johnson. 2,526,871, Oct. 24.
Row feeding apparatus. C. R. Zimmer. 2,510,359, June 6.
Rowlock. H. J. Gagnon. 2,505,708, Apr. 25.
Rowing device. A. N. Granger. 2,528,304, Oct. 31.
Rubber and its production, Crack-resistant vulcanized. F. M. McMillan. 2,514,661, July 11.
Rubber article and making same. B. Bennett, G. H. McFadden, and J. F. Lyman. 2,498,785, Feb. 28.
Rubber article and producing the same, Cellular. G. K. Simpson and W. C. Smith. 2,503,003, Apr. 4.
Rubber band gun. W. L. Bozarth. 2,535,891, Dec. 26.
Rubber bathing cap. W. S. Freeman. 2,515,554, July 18.
Rubber bearing. P. C. Hutton. 2,517,791, Aug. 8.
Rubber-carbon black compositions without mastication, Making synthetic. T. A. Te Grotenhuis. 2,512,697, June 27.
Rubber cement. S. L. Brams. 2,501,654, Mar. 28.
Rubber composition and producing. C. B. Pape and J. R. Sweetman. 2,500,858, Mar. 14.
Rubber composition, Nonblooming synthetic. D. V. Sarbach. 2,503,637, Apr. 11.
Rubber composition, Vulcanizable. E. R. Williams. 2,535,524, Dec. 26.
Rubber compositions and producing same. J. C. Ambelang. 2,514,217, July 4.

Rubber compositions containing wax and heat-treated gilsonite, Synthetic and natural. T. K. Cox. 2,501,123, Mar. 21.
Rubber compositions of improved tack. G. E. P. Smith, Jr., and J. C. Ambelang. 2,495,145, Jan. 17.
Rubber from a mixture of polychloroprene and natural rubber, Making sponge. H. W. Greenup and W. F. Jordan. 2,495,097, Jan. 17.
Rubber insert type reciprocating valve. H. L. Therolf. 2,521,314, Sept. 5.
Rubberlike article. L. F. Dalton. 2,506,069, May 2.
Rubberlike cured polyester and preparing the same. D. W. Jayne, Jr., and H. M. Day. Re. 23,220, Apr. 18.
Rubberlike materials, Manufacture of. H. P. Wagner. 2,514,734, July 11.
Rubber-like products, Manufacture of. H. P. Wagner. 2,498,931, Feb. 28.
Rubber, Manufacture of sponge. J. U. Mann. 2,512,464, June 20.
Rubber material, Producing expanded. L. Cooper and H. Pfleumer. 2,500,603, Mar. 14.
Rubber or latex article. A. N. Spanel. 2,528,980, Nov. 7.
Rubber-phenolic resin composition. A. F. Shepard and J. F. Boiney. 2,532,374, Dec. 5.
Rubber powder and preparation, Chlorinated. L. E. Cheyney. 2,504,065, Apr. 11.
Rubber, Producing cellular. P. J. Carpentier. 2,524,039, Oct. 3.
Rubber products, Modified. W. H. Smyers. 2,534,883, Dec. 19.
Rubber resistant to flex cracking and producing same, Vulcanized. J. C. Ambelang. 2,514,209, July 4.
Rubber ring expanding tool. C. Gabel. 2,528,508, Nov. 7.
Rubber sealed gate valve. A. S. Volpin. 2,510,442, June 6.
Rubber shoulder pad. R. H. Rockwell. 2,519,401, Aug. 22.
Rubber surfacing, Sprayed. V. H. Bodle, G. W. Blair, and L. P. Dosmann. 2,501,839, Mar. 28.
Rubber to metal adhesion. J. R. Schaffer. 2,522,135–8, Sept. 12.
Rubber vulcanization. G. E. P. Smith, Jr. 2,514,208, July 4.
Rubbers, Manufacture of oil resisting. J. I. Cunneen. 2,506,997, May 9.
Rubbery butadiene-styrene copolymer compounded with an acid soluble hydrocarbon oil. L. R. Sperberg and C. C. Crawford. 2,523,926, Sept. 26.
Rubbery compositions, Dense. R. M. Howlett and R. G. Newberg. 2,502,949, Apr. 4.
Rudder and reversible pitch propeller assemblage, Boat. H. G. Johnson and L. M. Kalous. 2,528,755, Nov. 7.
Rudder assembly for vessels, Auxiliary. E. W. Kern. 2,507,790, May 16.
Rudder, Retractable. Z. Vander. 2,532,042, Nov. 28.
Rudder structure. J. I. M. von Suttka. 2,522,653, Sept. 19.
Rug and making same. B. A. Greenberg. 2,513,559, July 4.
Rug holding means. J. B. Frazelle. 2,532,703, Dec. 5.
Rule, Bowling slide. M. Hertig. 2,498,421, Feb. 21.
Rule, Bricklayer's plumb. H. Crocker. 2,503,098, Apr. 4.
Rule, Cylindrical slide. C. A. Posson. 2,526,408, Oct. 17.
Rule, Dividing. H. Y. Giles. 2,514,326, July 4.
Rule, Foldable. E. Wild. 2,515,622, July 18.
Rule for musicians, Quartertone slide. L. Young. 2,502,300, Mar. 28.
Rule, Nonslip parallel. H. E. Sill. 2,506,243, May 2.
Rule, Slide. J. R. Bland. 2,534,695, Dec. 19.
Rule, Slide. N. F. Dewar. 2,530,047, Nov. 14.
Rule, Slide. Y. Fujisaki. 2,512,458, June 20.
Rule, Slide. H. Hunt. 2,500,460, Mar. 14.
Rule, Slide. B. D. Kahan. 2,511,270, June 13.
Rule, Slide. P. Sbernadori. 2,506,176, May 2.
Rule, Slide. J. L. Taaffe. 2,527,776, Oct. 31.
Rule, Sterility slide. A. Green. 2,520,208, Aug. 29.
Ruler. M. M. Szabo. 2,522,908, Sept. 19.
Ruler and compass, Combination. M. Skolnick. 2,505,437, Apr. 25.
Ruler construction. F. O. Carlson. 2,510,939, June 6.
Ruler for typewritten matter, Justifying. H. A. Allen. 2,517,159, Aug. 1.
Ruler, Multipurpose. S. Haack. 2,508,252, May 16.
Ruler, Roof. K. B. Marquiss. 2,535,585, Dec. 26.
Ruling device. R. J. Cashman. 2,504,300, Apr. 18.
Ruling device. S. A. Zgranik. 2,523,855, Sept. 26.
Runway for aircraft and plant associated therewith, Fog freeable. A. C. Hartley, J. C. Brown, G. S. Callendar, H. R. Fehling, D. A. Fox, F. Gill, W. T. Moore, P. O. Rosin, and G. J. Williamson. Re. 23,238, June 6.
Runner attachment, Sleigh. J. H. Graham. 2,530,240, Nov. 14.
Running board for auto trucks and the like. V. C. Kloepper. 2,501,819, Mar. 28.
Running gear and equalizer support therefor, Dual wheel. H. G. Shriver. 2,517,359, Aug. 1.
Running-in internal-combustion engines. P. Mongitore. 2,494,102, Jan. 10.
Ruptured cartridge extractor. P. A. Spinnato. 2,520,974, Sept. 5.
Rust-preventive compositions. J. W. Bishop. 2,527,296, Oct. 24.
Rust removing. T. E. Burkhardt. 2,531,320, Nov. 21.
S-carboxyalkylene isothiuronium salts of antimonyl tartrate. E. E. Moore and L. W. Clemence. 2,509,201, May 30.
Saccharate-ion exchange process. R. W. Shafor. 2,534,560, Dec. 19.
Sachet. G. G. Thompson. 2,529,578, Nov. 14.
Sack filler, Hand hoist. E. Welsh. 2,508,699, May 23.
Sack, Vacuum-operated minnow. R. T. Renfro, Sr. 2,497,014, Feb. 7.
Sacker, Wool. O. J. Wolff. 2,505,453, Apr. 25.
Sacking device. H. Nygard. 2,504,572, Apr. 18.
Sacking machine with rotatable table having discharging funnels combined with sack supporting chutes, Commodity. H. M. Beeson. 2,510,541, June 6.
Saddle construction, Knee. R. H. Feero. 2,534,904, Dec. 19.
Saddle fixing for thermionic valve holders and other electrical components. S. T. Deakin. 2,495,838, Jan. 31.
Saddle for brassière straps. I. L. Blalock, L. E. Ewing, and D. Hall. 2,505,272, Apr. 25.
Saddle mounting. F. W. Schwinn. 2,532,574, Dec. 5.
Saddle protector. R. C. Persons. 2,494,519, Jan. 10.
Sadiron. R. I. Huffman. 2,512,062, June 20.
Sadiron, Automatic steam electric. L. S. Butman. 2,506,950, May 9.
Sadiron holder. H. M. Parker. 2,504,575, Apr. 18.
Sadiron holder. H. A. Perrigo. 2,530,027, Nov. 14.
Safe construction. F. J. Bremer. 2,512,711, June 27.
Safeguarding device for machine tools. R. A. Weber. 2,528,565, Nov. 7.
Safe, Tabernacle. F. Danninger. 2,493,947, Jan. 10.
Safe, Wall. A. G. Le Page. 2,507,724, May 16.
Safety and alarm apparatus. A. A. Torrisi. 2,522,850, Sept. 19.
Safety apparatus for elevators. E. A. Sahlin. 2,493,553, Jan. 3.
Safety attachment for rowboats and the like. J. P. Gabriel. 2,494,804, Jan. 17.
Safety belt, Aircraft. M. Jakosky. 2,510,115, June 6.
Safety catch, Automatic. F. Vogel. 2,534,887, Dec. 19.
Safety clothesline support. J. A. Cadrain. 2,523,862, Sept. 26.
Safety control. M. Dach. 2,527,177, Oct. 24.
Safety control and ignition apparatus for gaseous fuel burners. C. K. Strobel. 2,510,264, June 6.
Safety control and ignition system for gaseous fuel burners. C. K. Strobel. 2,513,257, June 27.
Safety control and pilot indicator means for gas burners. J. A. Cerny and N. B. Green. 2,516,504, July 25.
Safety control circuit. E. R. Roswell. 2,509,400, May 30.
Safety control for enclosed internal-combustion engines. C. J. E. Omeron. 2,502,743, Apr. 4.
Safety control for shower heads and other hot-water outlets. H. Schlaich. 2,534,378, Dec. 19.
Safety control means with flash tube for oven burners. W. D. Antrim. 2,520,298–9, Aug. 29.
Safety control system. C. H. Krause, M. J. Meylich, and A. J. Schetz. 2,504,026, Apr. 11.
Safety control system, Combustion. H. G. Nehrbas. 2,531,887, Nov. 28.
Safety control system for fluid fuel burners. W. A. Ray. 2,529,740, Nov. 14.
Safety control system for fuel burners. W. A. Ray. 2,533,625, Dec. 12.
Safety device. J. E. Carrell. 2,502,420, Apr. 4.
Safety device. H. H. Renner and P. Schneider. 2,518,934, Aug. 15.
Safety device. F. K. Urban. 2,519,613, Aug. 22.
Safety device. L. Williams and E. J. Vosler. 2,494,498, Jan. 10.
Safety device, Air mail discharging. E. T. Bickers. 2,510,276, June 6.
Safety device for automatic feed mechanisms. A. Leith. 2,502,731, Apr. 14.
Safety device for automatic pistols. H. A. Stevens. 2,529,359, Nov. 7.
Safety device for automobile doors. P. A. and E. V. Welliver. 2,515,935, July 18.
Safety device for bathtubs. A. E. Jero. 2,502,957, Apr. 4.
Safety device for boats towing dragnets. V. D'Intino. 2,513,153, June 27.
Safety device for broaching machines. M. V. Waters, W. P. McDonald, and H. P. Baecker. 2,507,581, May 16.
Safety device for clothes wringers, Nonwind. H. W. Williams. 2,498,975, Feb. 28.
Safety device for dies. H. J. Guzewicz. 2,502,718, Apr. 4.
Safety device for elevators. A. J. Lucas. 2,518,699–700, Aug. 15.
Safety device for firearms. H. P. Hansen. 2,534,514, Dec. 19.
Safety device for firearms. L. F. Mulno. 2,495,383, Jan. 24.
Safety device for furnaces. A. Willett. 2,493,608, Jan. 3.
Safety device for hand-carried articles. S. E. Johnson. 2,522,719, Sept. 19.
Safety device for money counting machines. T. E. Hayes. 2,530,057, Nov. 14.
Safety device for motor vehicles. C. G. Mahring. 2,522,129, Sept. 12.
Safety device for oil-burning furnaces, Door operated. F. B. Scanlon and G. A. Isaac. 2,502,064, Mar. 28.

Safety device for pressure vessels. J. F. Andrews. 2,526,794, Oct. 24.
Safety device for pressurized aircraft. J. J. Draney. 2,515,639, July 18.
Safety device for prime movers, Dual pressure-responsive. H. A. Mayor and D. M. Burgess. 2,523,039, Sept. 19.
Safety device for railway car door operating mechanism. A. E. Zimmer. 2,494,604, Jan. 17.
Safety device for railway switches. S. R. Granche. 2,510,815, June 6.
Safety device for thermally controlled battery chargers. L. A. Medlar. 2,499,663, Mar. 7.
Safety device for tractor implements. J. W. Orendorff. 2,524,206, Oct. 3.
Safety device for vaporizer systems. S. P. Jones. 2,526,363, Oct. 17.
Safety device for vehicle brakes. H. P. Sparkes. 2,494,269, Jan. 10.
Safety device, Hydraulic brake. L. Morris. 2,529,306, Nov. 7.
Safety drive, Rotary. S. Konikoff. 2,531,573, Nov. 28.
Safety driving light mounting. T. L. and H. K. Hancock. 2,498,620, Feb. 21.
Safety for firearms. L. B. Fraser. 2,525,886, Oct. 17.
Safety for firing mechanisms for cannon using separate loading ammunition. W. Sommerbell, L. J. Rhein, and O. D. Hoopes. 2,531,483, Nov. 28.
Safety fuse tool. R. J. Wright and J. Lytle. 2,513,128, June 27.
Safety gaff hook. J. C. Rowan. 2,517,507, Aug. 1.
Safety gas burner. L. J. Pellerin. 2,534,474, Dec. 19.
Safety gate. J. D. Jordan. 2,516,323, July 25.
Safety guard screen. C. P. Majkrzak. 2,523,383, Sept. 26.
Safety head. R. L. Simpson and R. S. Coffman. 2,523,068, Sept. 19.
Safety hook. W. D. Herndon. 2,516,989, Aug. 1.
Safety inner tube. H. K. Chandley. 2,514,183, July 4.
Safety joint. W. L. Church. 2,500,276, Mar. 14.
Safety joint. C. Ware. 2,532,686, Dec. 5.
Safety latch. C. C. Hempfling. 2,513,483, July 4.
Safety means for cotton harvesters. J. D. Rust. 2,533,630, Dec. 12.
Safety means for internal-combustion engines. L. D. Thompson. 2,518,400, Aug. 8.
Safety means for treadle operated machinery. H. T. Chisolm and J. A. Harris. 2,525,865, Oct. 17.
Safety mechanism to prevent over voting in voting machines. R. F. Shoup. 2,498,380, Feb. 21.
Safety pin. E. C. Autenrieth. 2,503,087, Apr. 4.
Safety pin. V. E. Babcock. 2,505,875, May 2.
Safety pin. E. E. Dexter. 2,502,931, Apr. 4.
Safety pin. I. Glasband. 2,529,383, Nov. 7.
Safety pin. C. H. Hartley. 2,526,818, Oct. 24.
Safety pin. B. Mezzadri. 2,493,988, Jan. 10.
Safety pipe joint. F. M. Thurston and G. E. Justice. 2,508,306, May 16.
Safety plug. J. F. Tatum. 2,514,911, July 11.
Safety release for blasting shells. H. V. Williamson. 2,502,193, Mar. 28.
Safety starter. I. S. Jacobsen. 2,527,423, Oct. 24.
Safety stop for die closures, Pneumatic. L. H. Morin. 2,533,035, Dec. 5.
Safety switch. H. Bauer. 2,516,362, July 25.
Safety switch. R. T. Gund. 2,530,461, Nov. 21.
Safety switch. H. J. Hammerly. 2,506,147–8, May 2.
Safety switch. C. E. and Z. E. Hook. 2,535,207, Dec. 26.
Safety switch. R. O. Huertas. 2,500,182, Mar. 14.
Safety switch. J. D. Jordan. 2,515,043, July 11.
Safety system for electric discharge tubes, Overheating. H. I. Stanback. 2,520,476, Aug. 29.
Safety system for mine hoists. R. H. Stewart, Jr., and H. T. Stewart. 2,510,151, June 6.
Safety thread cutter. A. C. Silverman. 2,527,201, Oct. 24.
Safety trip mechanism. K. E. Reese. 2,518,492, Aug. 15.
Safety valve. R. L. Brown. 2,523,192, Sept. 19.
Safety valve. Louis, Leonard, and A. Brutocao. 2,505,321, Apr. 25.
Safety valve. V. W. Farris. 2,517,858, Aug. 8.
Sagger and batch for making the same. M. W. Caton. 2,531,397, Nov. 28.
Saggers, Making. C. Wentworth. 2,496,078, Jan. 31.
Sail construction. J. A. Maurer and W. R. Lindemann. 2,499,598, Mar. 7.
Sales book holder. B. K. Slonneger. 2,526,909, Oct. 24.
Salesbook holder. B. K. and C. S. Slonneger. 2,526,090, Oct. 17.
Salicylic acid derivatives and making same. D. T. Mowry. 2,518,922, Aug. 15.
Saliva ejecting device. L. B. Older. 2,519,595, Aug. 22.
Saliva ejector. B. Jankelson. 2,529,499, Nov. 14.
Salt and making same, Stabilized iodized. P. V. Imes and C. W. Jobes. 2,506,568, May 9.
Salt bath quenching furnace. A. F. Holden. 2,516,516, July 25.
Saltcellar. G. D. Kolb. 2,495,899, Jan. 31.
Salt compositions, Preparing basic. J. A. Porvasnik. 2,493,262, Jan. 3.
Salt dispenser. E. F. Wilkinson. 2,513,539, July 4.
Salt glazing apparatus. J. T. Robson. 2,514,143, July 4.
Salt tablet dispenser. P. C. Perrin and W. J. Sharbaugh. 2,494,141, Jan. 10.
Salt-type combinations of p-amino-methyl-benzene-sulfonamides and substituted p-amino-benzene-sulfonamides. W. A. Lott and K. A. Losee. 2,493,632, Jan. 3.
Salts of alkyl phenol sulfides and making same, Heavy metal. J. G. McNab and W. T. Watkins, Jr. 2,493,986, Jan. 10.
Salts of alkylated phenol sulfides, Aluminum. P. Miller and E. Lieber. 2,493,987, Jan. 10.
Salts of aromatic dithiocarboxylic acids as fungicides. P. T. Paul and J. B. Bjorn Skaptason. 2,494,355, Jan. 10.
Salts of benzothiazyl sulfinic acids. W. F. Russell. 2,509,454, May 30.
Salts of condensates of rosin with unsaturated acyclic hydrocarbons. A. L. Rummelsburg. 2,527,577, Oct. 31.
Salts of condensates of rosin with unsaturated cyclic hydrocarbons. A. L. Rummelsburg. 2,527,578, Oct. 31.
Salts of dihydroergocristine, Water-soluble. A. Stoll and A. Hofmann. 2,507,832, May 16.
Salts of phosvitin from egg yolk and producing the same. D. K. Mecham. 2,526,680, Oct. 24.
Salts of phthalocyanine pigments, Preparation of. H. Z. Lecher, R. E. Brouillard, and V. A. Giambalvo. 2,524,672, Oct. 3.
Salts of 2:1-hydroxynaphthoic acid, Manufacture of. E. B. Higgins. 2,534,022, Dec. 12.
Salvage valve. C. R. Nance. 2,495,754, Jan. 31.
Sample extracting tool. H. T. Parsons and S. P. Martin. 2,515,567, July 18.
Sample taker, Side wall. N. B. Brimble. 2,495,439, Jan. 24.
Sample taker, Side wall. M. P. Lebourg. 2,511,408, June 13.
Sample taking device. R. S. Bylin, H. H. Covington, and F. F. Heydenfeldt. 2,498,601, Feb. 21.
Sampler of liquid and gas phase streams, Automatic. L. A. Webber and O. W. Kiphart. 2,534,489, Dec. 19.
Sampler, Weight checking. G. D. Alvord. 2,523,179, Sept. 19.
Sampling apparatus, Milk. N. C. Kottkamp, P. J. Bailey, J. M. Trimble, and R. M. Langsenkamp. 2,529,397, Nov. 7.
Sampling apparatus, more particularly for use in vessels under pressure. F. H. Rogers. 2,532,946, Dec. 5.
Sampling device. C. W. Cox. 2,509,264, May 30.
Sampling device. B. Whitehouse. 2,519,303, Aug. 15.
Sampling device, Liquid. O. E. McClusky. 2,515,882, July 18.
Sandblasting. S. Backer. 2,532,655, Dec. 5.
Sand drier. B. R. Smith. 2,535,605, Dec. 26.
Sand feed for core blowers. J. S. Judell. 2,524,447 Oct. 3.
Sand flusher. J. O. Sanders. 2,526,086, Oct. 17.
Sand mold composition. S. M. Vincent. 2,534,743, Dec. 19.
Sand recovery apparatus. A. C. Christensen. 2,530,651, Nov. 21.
Sand recovery, Method of and apparatus for. A. C. Christensen. 2,515,194, July 18.
Sand separator. C. R. Clayton. 2,498,913, Feb. 28.
Sand trap. W. H. White. 2,529,751, Nov. 14.
Sander. F. Harris. 2,496,718, Feb. 7.
Sander, Auto road. R. L. Taylor. 2,531,654, Nov. 28.
Sander, Automatic automobile wheel. H. F. Spatz. 2,507,738, May 16.
Sander block. O. Stucker. 2,531,588, Nov. 28.
Sander, Vehicle. D. A. Kelly. 2,522,677, Sept. 19.
Sander, Wall. H. R. Swenson. 2,523,884, Sept. 26.
Sanding block. T. L. Bonkowski. 2,493,852, Jan. 10.
Sanding device. F. A. Dobson. 2,517,548, Aug. 8.
Sanding device. H. Pokras. 2,533,619, Dec. 12.
Sanding device. C. Rogers. 2,529,105, Nov. 7.
Sanding device. S. G. Storberg. 2,529,197, Nov. 7.
Sanding device for vehicles. R. Hunziker. 2,498,164, Feb. 21.
Sanding device, Rail. F. E. Saari and G. V. W. Roth. 2,499,114, Feb. 28.
Sanding machine. W. L. Petersen. 2,497,791, Feb. 14.
Sanding machine, Road. C. E. Sullivan. 2,529,889, Nov. 14.
Sandal, Spiked. A. E. McDonnell. 2,525,308, Oct. 10.
Sandal with a quickly detachable closure strap. M. A. West and L. Aurich. 2,505,076, Apr. 25.
Sandal with hinged wooden sole with spacer rivets therein. R. W. Fathauer. 2,517,472, Aug. 1.
Sandal with integral retaining straps. J. Di Guglielmo. 2,530,004, Nov. 14.
Sandal with notched sole element to receive strap ends. J. J. de Voos. 2,505,032, Apr. 25.
Sandal with overlapping side and end panels. N. Crawford. 2,513,005, June 27.
Sandal with strap-receiving, channeled sole. J. Fello. 2,526,940, Oct. 24.
Sandwich making machine. H. P. Curlee. 2,520,493, Aug. 29.
Sanitary attachment for disinfecting telephone mouthpieces. R. L. Lewis. 2,520,417, Aug. 29.
Sanitary butter cutter. D. C. Lutz. 2,499,660, Mar. 7.
Sanitary container. A. Beauchemin. 2,533,757, Dec. 12.
Sanitary equipment chiefly for the preparation of carbonic gas baths. P. Derome. 2,512,091, June 20.
Sanitary napkin. B. Kasoff. 2,525,910, Oct. 17.

Sanitary napkins, Method and apparatus for making loop-equipped. G. E. Klock. 2,510,638, June 6.
Sanitary pump. R. W. Hood. 2,513,175, June 27.
Sanitary receptacle. S. Poole and N. R. Kolansky. 2,527,449, Oct. 24.
Sanitary toothbrush holder. J. Vrotacoe, E. S. and J. L. Desaulniers. 2,520,819, Aug. 29.
Sanitary unit for telephone transmitters, Insertable. R. L. Lewis. 2,520,416, Aug. 29.
Sanitation device. J. Monaghan. 2,494,894, Jan. 17.
Sash adjuster and lock. T. B. Saner. 2,509,844, May 30.
Sash and screen, Combined. J. Bardega. 2,514,438, July 11.
Sash and screen, Combined window. J. Tondora. 2,494,844, Jan. 17.
Sash balance. D. J. Dinsmore. 2,517,851, Aug. 8.
Sash balance. D. M. Steele. 2,497,279, Feb. 14.
Sash balance, Spring. G. B. Haas. 2,534,968, Dec. 19.
Sash construction. E. J. Grunwald. 2,509,268, May 30.
Sash construction, Combination storm and screen. W. L. Bonnell. 2,512,298, June 20.
Sash for windows, Slip. G. C. Hayman. 2,521,292, Sept. 5.
Sash hanger. O. H. Bonner. 2,498,978, Feb. 28.
Sash holder. C. K. Eppler. 2,530,192, Nov. 14.
Sash holder. J. Ressa. 2,501,691, Mar. 28.
Sash holder. R. J. Riley. 2,527,032, Oct. 24.
Sash lock. C. B. Clasen. 2,531,256, Nov. 21.
Sash operator, Hotbed. F. Puleo. 2,496,892, Feb. 7.
Sash, Storm. M. R. Theilman. 2,495,877, Jan. 31.
Sash, Storm. R. S. Woodard. 2,518,969, Aug. 15.
Saucer, Flowerpot. E. M. Manning. 2,504,031, Apr. 11.
Saucer pad. E. W. Lersch. 2,499,762, Mar. 7.
Sausage. J. J. Frank and J. C. Macy. 2,493,063, Jan. 3.
Sausage link and tie forming means. H. C. Noe. 2,510,997, June 13.
Saw and making same, Circular. V. H. Hildebrant. 2,528,226, Oct. 31.
Saw attachment, Broken blade hack. K. W. Horton. 2,520,145, Aug. 29.
Saw, Automatic intermittent feed-and-cut swing frame wood. G. W. Cashwell. 2,497,488, Feb. 14.
Saw blade mounting. W. A. Waldherr. 2,517,814, Aug. 8.
Saw blade tension mechanism for frame saws. A. A., and F. F. Hendricksen. 2,519,904, Aug. 22.
Saw, Chain. J. J. Ciba. 2,515,550, July 18.
Saw, Chain. W. L. Gorden. 2,527,251, Oct. 24.
Saw device, Two-blade reciprocating. K. W. Couse. 2,534,001, Dec. 12.
Saw, Duplex bench. H. M. Harris. 2,518,684, Aug. 15.
Sawdust removing attachment for handsaws. J. A. Laudien. 2,522,182, Sept. 12.
Saw filing gauge. L. J. Blish. 2,506,565, May 9.
Saw, Flying. L. J. Gould. 2,512,204, June 20.
Saw for cable sheaths. L. K. Hayford. 2,519,835, Aug. 22.
Saw for cutting plaster of Paris casts, Portable circular. W. G. Ross. 2,518,939, Aug. 15.
Saw for cutting various sections of wood, Under bench. M. F. Horton. 2,513,873, July 4.
Saw frame. D. E. Priest. 2,520,890, Aug. 29.
Saw gauge. L. C. Hammond. 2,520,837, Aug. 29.
Saw guide with adjustable work clamp. J. McCrink. 2,519,269, Aug. 15.
Saw handle, square, and miter, Combined. M. E. Peeples. 2,506,102, May 2.
Sawhorse bracket. E. W. Samuelson. 2,506,389, May 2.
Sawhorse clamp. J. E. Anderson. 2,501,656, Mar. 28.
Saw, Hot. H. Kling. 2,527,014, Oct. 24.
Saw lubricant holder. E. L. Flood. 2,529,249, Nov. 7.
Saw, Masonry. E. A. Zuzelo. 2,514,826, July 11.
Saw, Meat. E. A. Anderson and L. C. Roberts. 2,535,714, Dec. 26.
Saw mechanism, Tractor supported and driven. R. J. Faulkner. 2,509,092, May 23.
Sawmill arrangement. W. F. Mitchell. 2,527,024, Oct. 24.
Saw, Musical. C. G. Carter. 2,510,957, June 13.
Saw or the like, Hack. G. H. Mansfield. 2,532,506, Dec. 5.
Saw, Portable power-driven. A. L. Wilber. 2,519,526, Aug. 22.
Saw, Portable power-operated splitting band. H. G. Hayes. 2,515,345, July 18.
Saw, Power-operated. F. Gaviola and F. Anacabe. 2,498,160, Feb. 21.
Saw proof grating bar. J. A. Youngblood. 2,503,537, Apr. 11.
Saw, Radial arm power. L. A. Epplin. 2,535,908, Dec. 26.
Saw raker tooth gauge. J. H. Anderson. 2,523,086, Sept. 19.
Saw, Rotary pruning. O. Jenkins. 2,520,411, Aug. 29.
Saw scabbard. K. Kuemmerling. 2,524,110, Oct. 3.
Saw set. K. Blackmon. 2,493,850, Jan. 10.
Saw set. M. Daderko, Sr., R. A. Lisella, and J. Daderko. 2,519,744, Aug. 22.
Saw set. J. A. Jensen and C. A. Russell. 2,494,762, Jan. 17.
Saw set. J. G. Kirk, Sr. 2,514,700, July 11.
Saw setter. C. C. Herring. 2,501,125, Mar. 21.
Saw setting device. H. Christensen. 2,502,706, Apr. 4.
Saw setting machine, Circular. J. H. Yoos. 2,506,406, May 2.
Saw setting tool. R. W. and D. B. Ingalls. 2,525,411, Oct. 10.
Saw setting tool. E. Platter. 2,500,862, Mar. 14.
Saw, Stroke. P. C. Felton. 2,535,491, Dec. 26.
Saw-supporting log clamp. D. P. Andrews and B. D. Heeger. 2,504,373, Apr. 18.
Saw, Swinging frame portable. J. W. Hanna. 2,496,716, Feb. 7.
Saw, Swinging hot. F. E. Kling. 2,534,977, Dec. 19.
Saw, Swinging power. J. O. Grierson. 2,505,958, May 2.
Sawtooth current generator. R. R. Gannaway and S. Zurakov. 2,521,158, Sept. 5.
Saw-tooth oscillation generator. A. M. Spooner. 2,527,462, Oct. 24.
Saw-tooth setting machine, Automatic hand and band. V. C. Lorenz. 2,498,167, Feb. 21.
Saw-tooth voltage generator. R. M. Crooker. 2,509,761, May 30.
Saw-tooth voltage generator. G. W. Flyer. Re. 23,206, Mar. 14.
Saw-tooth wave generator. R. Lee. 2,504,849, Apr. 18.
Saw, Two-position mobile power. L. Underwood. 2,497,639, Feb. 14.
Saw with line-of-cut indicator, Cutoff. J. M. Humphrey. 2,515,008, July 11.
Saw with tiltable and vertically adjustable arbor, Table. J. G. Collins. 2,530,290, Nov. 14.
Sawing machine for block trimming. S. W. Mann. 2,512,164, June 20.
Sawing machine with adjustable angle of cut, Band. V. A. Nardi. 2,511,989, June 20.
Sawing stones and a device for carrying out the same. G. O. A. Dahlström. 2,522,999, Sept. 19.
Saws, Method and apparatus for making. C. Christenson. 2,510,462, June 6.
Scaffold. J. M. Benson. 2,524,302, Oct. 3.
Scaffold clamp. C. E. Wood. 2,495,359, Jan. 24.
Scaffold or trestle header. R. Falcone. 2,496,526, Feb. 7.
Scaffold structure. W. Ashenfelter. 2,496,082, Jan. 31.
Scaffold supporting bracket. A. J. Nelson. 2,496,556, Feb. 7.
Scaffold, Traveling. S. Dimon. 2,506,860, May 9.
Scaffolding clamp. A. H. Hawes. 2,506,640, May 9.
Scale attachment. N. E. Cousineau. 2,516,046, July 18.
Scale, Changeable graduated. E. D. Coleman. 2,528,640, Nov. 7.
Scale device, Postage. T. G. and L. L. Thurstone. 2,523,342, Sept. 26.
Scale-distribution control for measuring devices. A. J. Petzinger. 2,534,925, Dec. 19.
Scale for the determination of the moisture content of solid bodies. F. Haab. 2,527,187, Oct. 24.
Scale, Hydraulic weighing. L. S. Williams. 2,501,248, Mar. 21.
Scale, Hydrostatic. F. S. Saunders. 2,529,194, Nov. 7.
Scale illumination means for projection lenses. C. J. De Grave, Jr. 2,504,254, Apr. 18.
Scale, Letter. H. P. Stewart. 2,502,680, Apr. 4.
Scale, Letter. P. W. White. 2,507,073, May 9.
Scale-light switch. C. M. Wolf. 2,495,562, Jan. 24.
Scale, Log. W. S. Lindsey. 2,503,398, Apr. 11.
Scale, Pendulum. R. M. Bowman. 2,508,011, May 16.
Scale, Pendulum. F. van de Laar and O. A. Robberts. 2,527,042, Oct. 24.
Scale, Pendulum. L. S. Williams. 2,533,862, Dec. 12.
Scale poise, Weighing. L. S. Williams. 2,494,150, Jan. 10.
Scale projection means for weighing balances. S. R. Green. 2,493,133, Jan. 3.
Scale, Proportional mixing. P. Marienthal. 2,497,618, Feb. 14.
Scale, Spiral focusing. F. T. Powers, F. T. Powers, Jr., and J. M. Powers. 2,508,649, May 23.
Scale, Spring. H. D. Benson. 2,529,759, Nov. 14.
Scale, Spring. L. von Cseh. 2,512,187, June 20.
Scale, Spring postal. F. S. Stickney. 2,518,197, Aug. 8.
Scale, Spring-type postal. W. L. Berry. 2,523,492, Sept. 26.
Scale, Weighing. L. S. Williams. 2,501,247, Mar. 21.
Scaler, Fish. L. F. Blatt. 2,510,371, June 6.
Scaler, Fish. H. C. Young. 2,519,095, Aug. 15.
Scaler with hood, Fish. J. J. Pilliod. 2,516,414, July 25.
Scales. N. A. Hallwood. 2,502,090, Mar. 28.
Scales, Duplex express. C. O. Marshall, Jr. 2,523,437, Sept. 26.
Scales, Hydraulic weighing. R. S. Bohannan. 2,523,413, Sept. 26.
Scaling circuit. W. H. Bradley. 2,524,692, Oct. 3.
Scalp massaging tool. A. Reiter. 2,505,005, Apr. 25.
Scan magnitude control for cathode-ray tubes. B. S. Trott. 2,510,670, June 6.
Scanner. G. E. White and D. Clegg. 2,518,511, Aug. 15.
Scanning current generator. M. Cawein. 2,495,696, Jan. 31.
Scanning system, Automatic frequency. J. E. Benson. 2,515,850, July 18.
Scanning system for television receivers. G. Valensi. 2,495,790, Jan. 31.
Scanning system, Television. M. Cawein. 2,510,070, June 6.
Scarf, Automatic neck fitting. D. A. Pinnere. 2,496,953, Feb. 7.
Scarf joint gluing press. H. H. Payzant. 2,532,419, Dec. 5.

Scarf, Necktie. G. E. Lewis. 2,530,975, Nov. 21.
Scarf or muffler. P. Siegel. 2,510,720, June 6.
Scarf, Stay-put adjustable. R. W. Loven. 2,494,250, Jan. 10.
Scarfing billets and the like, Method and apparatus for thermochemically. J. F. Kierman. 2,532,103, Nov. 28.
Scarfing machine, Automatic. E. Meincke. 2,528,770, Nov. 7.
Scarifier for bulldozers. D. Way. 2,510,445, June 6.
Scavenge pump. M. L. Edwards. 2,511,150, June 13.
Scavenging of cylinders, Two-cycle engine axial. N. Macy and G. F. Schafer. 2,516,228, July 25.
Scavenging system for rocket motors utilizing liquid nitrogen. R. H. Goddard. 2,532,708, Dec. 5.
School companion. J. E. Brown. 2,506,918, May 9.
School to home system. A. C. Bernstein. 2,529,069, Nov. 7.
Scissors. B. O. Corley. 2,497,587, Feb. 14.
Scissors, Hair-trimming. M. H. Kashian. 2,532,921, Dec. 5.
Scissors jack. A. A. Miller. 2,523,706, Sept. 26.
Scissors, Thread clip. M. Ingwer. 2,512,862, June 27.
Sclerosing composition. L. Reiner. 2,497,742, Feb. 14.
Scoop. R. Linsky. 2,519,260, Aug. 15.
Scoop. L. M. Smoot. 2,515,429, July 18.
Scoop. H. A. Somers. 2,501,588, Mar. 21.
Scoop, Distributing. A. A. Bechmann. 2,511,560, June 13.
Scoop, Dump. B. F. Arps. 2,517,163, Aug. 1.
Scoop for separable fastener stringers. L. H. Morin. 2,493,308, Jan. 3.
Scoop, Furnace. L. C. Handley. 2,505,113, Apr. 25.
Scoop, Irrigation. R. L. Wold. 2,527,046, Oct. 24.
Scoop, Irrigation. R. L. Wold. 2,527,048, Oct. 24.
Scoop machine, Coreless. L. H. Morin. 2,497,010, Feb. 7.
Scoop reset mechanism. V. H. Borgelt. 2,503,577, Apr. 11.
Scoop, Weighing. M. S. Martin. 2,531,575, Nov. 28.
Scoop, Weighing. C. Peckham. 2,497,271, Feb. 14.
Scoop with check and latch assembly, Material handling truck. R. L. Allen and C. L. Harbeck. 2,508,482, May 23.
Scoops or interlocking elements, Slide fastener. H. M. Frank. 2,497,122, Feb. 14.
Scooter. L. Budd. 2,522,744, Sept. 19.
Scooter. M. L. Hatfield. 2,493,287, Jan. 3.
Scooter. G. J. Ohlhaver. 2,513,199, June 27.
Scooter and sled, Combination. P. Julie. 2,497,995, Feb. 21.
Score and/or statistical keeper. O. H. Welch. 2,521,104, Sept. 5.
Scoreboard. P. Cusano. 2,512,197, June 20.
Scoreboard. C. Decepoli. 2,527,621, Oct. 31.
Scoreboard, Portable baseball, softball. L. L. Bray. 2,513,623, July 4.
Scoreboard, Shuffleboard. F. H. Bertelsmeyer. 2,529,535, Nov. 14.
Score card holder. T. King. 2,528,695, Nov. 7.
Score counting device for ball games. S. E. Carlson. 2,506,825, May 9.
Scorekeeper. H. D. Clarke. 2,494,330, Jan. 10.
Scorekeeping device. E. B. Bridges. 2,505,382, Apr. 25.
Scoring aid, Target. H. G. Paulus. 2,521,087, Sept. 5.
Scoring and cutting cardboard, Method and apparatus for. G. H. Dalsemer. 2,524,962, Oct. 10.
Scoring device. W. S. Zimmerman. 2,509,405, May 30.
Scoring device, Psychological test. L. N. Vernon and C. A. Olson. 2,527,469, Oct. 24.
Scoring tool. D. Terry. 2,507,187. May 9.
Scotch block apparatus. N. G. Kershaw. 2,496,916, Feb. 7.
Scotometer, Diaphragm shutter. J. H. Korb. 2,495,263, Jan. 24.
Scourer-aspirator and method. R. B. Dodds. 2,529,679, Nov. 14.
Scouring apparatus, Continuous wool. G. C. Weinpel. 2,509,464, May 30.
Scouring pad. R. W. Gefeldt. 2,518,984, Aug. 15.
Scouring pad. M. S. Steiner. 2,500,715, Mar. 14.
Scouring pad holder. D. Eisenberg and I. Tornberg. 2,518,873, Aug. 15.
Scrambling speech signals. G. Guanella. 2,510,338, June 6.
Scraper. H. Guibor. 2,502,217, Mar. 28.
Scraper. E. R. Hollander. 2,506,083, May 2.
Scraper. A. Soldani. 2,494,455, Jan. 10.
Scraper. E. G. Tidwell. 2,514,169, July 4.
Scraper. E. M. Voelker and J. W. Sabbagh. 2,519,946, Aug. 22.
Scraper and cleaner, Butcher block. H. E. Burgoon. 2,504,643, Apr. 18.
Scraper and ejector, Crumb. A. M. Young. 2,494,373, Jan. 10.
Scraper and emptier mechanism for wet pan mixing machines, Combined. W. E. McMurray. 2,518,428, Aug. 8.
Scraper and loader. E. Wommer. 2,506,759, May 9.
Scraper and steel wool holder, Combined. G. MacMartin. 2,512,952, June 27.
Scraper, Beater. L. K. Elcher. 2,525,341, Oct. 10.
Scraper, Drag. M. A. Clark. 2,528,741, Nov. 7.
Scraper, Earthworking. R. G. Le Tourneau. 2,495,336, Jan. 24.
Scraper for cleaning interior surfaces of water mains and other pipes, Plowlike. L. R. and K. I. Robinson, E. O. Berger, and W. S. Lang. 2,504,730, Apr. 18
Scraper for containers, Brush. G. E. Marrier. 2,531,982, Nov. 28.
Scraper for freezing apparatus. C. Erickson and E. Spellman. Re. 23,267, Sept. 12.
Scraper for gun bores, Multisector. F. S. Webb. 2,495,793, Jan. 31.
Scraper, including a pair of separably connected arms for cleaning the inside surfaces of a deep fat fryer. L. J. Moore. 2,521,018, Sept. 5.
Scraper, Intermittently loading. G. W. Mork. 2,511,866, June 20.
Scraper, Mixing bowl. J. L. Rein. 2,524,116, Oct. 3.
Scraper or grader. H. H. Washbond. 2,503,929, Apr. 11.
Scraper, Pot well. H. O. Morrison. 2,499,521, Mar. 7.
Scraper, Rectal. T. H. Weller. 2,495,794, Jan. 31.
Scraper, Rotary. E. G. Spieth. 2,514,810, July 11.
Scraper, Rotary boiler hand-hole seat. O. F. Hoelzel. 2,495,256, Jan. 24.
Scraper, Self-contained power. J. F. Robb. 2,528,550, Nov. 7.
Scraper, Self-powered. O. R. Peterson. 2,505,202, Apr. 25.
Scraper, Sidewalk and floor. W. M. Anderson. 2,535,253, Dec. 26.
Scraper, Wagon box unloading. O. G. Wengert. 2,495,358, Jan. 24.
Scraper, Wheeled earth. M. R. Miskin. 2,514,782, July 11.
Scraping and cleaning device for windshields or the like, Combined. S. C. Seley. 2,517,247, Aug. 1.
Scraping device for film splicers, Film. H. C. Noe. 2,502,475, Apr. 4.
Scraping device, Groove. L. B. Miller. 2,497,228, Feb. 14.
Scraping machine having spring pressed supporting wheels, Meat block. J. Bongiorni. 2,534,101, Dec. 12.
Scraping machine, Roof. J. Katz. 2,519,138, Aug. 15.
Scraping unit, Kettle. R. J. and R. E. Savage. 2,512,254, June 27.
Scratcher for wells, Wall. K. A. Wright. 2,506,405, May 2.
Screen: *See*—

Antiicing screen.
Automatic ventilator screen.
Collapsible screen.
Diaphragm type acoustic screen.
Extension roller screen.
Fire screen.
Floating screen.
Frameless window screen.
Heating screen.
Household screen.
Metal window screen.
Mill screen.
Optical projection screen.
Ornamental screen.
Projection screen.
Pulp screen.
Rear projection viewing screen.
Revolving cement mixer screen.
Roll-a-way window screen.
Safety guard screen.
Traveling water intake screen.
Vertical axis gyratory screen.
Viewing screen.
Window screen.
X-ray sensitive screen.

Screen and carrying case, Combination portable projection. A. R. Herlache. 2,527,816, Oct. 31.
Screen and making the same, Photographic stencil. T. D. Sharples. 2,500,877, Mar. 14.
Screen and manufacture, Luminescent. B. S. Ellefson. 2,511,572, June 13.
Screen and screen mounting. M. E. and M. Arenwald, and J. W. Flucker. 2,519,168, Aug. 15.
Screen and storm window, Combination. S. M. Bailey and S. G. Kellogg. 2,508,781, May 23.
Screen arrangement for cooperable indicators movable in parallel planes, Parallax correction lenticular. J. W. Crownover. 2,520,758, Aug. 20.
Screen assembly for wells. T. A. Huber. 2,500,754, Mar. 14.
Screen assembly, Rollable type. V. Di Marzo. 2,519,638, Aug. 22.
Screen clearer for gyratory sifters. H. H. Moyer. 2,497,902, Feb. 21.
Screen door. J. F. Walsh. 2,517,514, Aug. 1.
Screen fastener. G. O. Carper. 2,508,662, May 23.
Screen for cathode-ray tubes, Mosaic. H. Cassman. 2,507,958, May 16.
Screen for confectionery machines. G. S. Perkins. 2,507,930, May 16.
Screen for fireplaces, Auxiliary spark-arresting. C. A. Gustafson and F. R. Swan. 2,518,005, Aug. 8.
Screen for motor car windows, Insect. L. C. Roberts. 2,528,786, Nov. 7.
Screen for optical comparators, Shadow. L. E. Bliss. 2,507,138, May 9.
Screen for paint guns. J. D. Yarnell. 2,529,827, Nov. 14.
Screen for welders, grinders, or furnacemen. S. Fitch. 2,505,640, Apr. 25.
Screen leveling device. E. W. Bozarth. 2,500,448, Mar. 14.
Screen structure. P. P. Bianchi. 2,532,886, Dec. 5.
Screen suspension, Detention. M. Selde. 2,498,716, Feb. 28.
Screen ventilator for windows, Adjustable. G. J. Martin. 2,524,230, Oct. 3.
Screen with baked enamel coating. F. J. Geyer. 2,533,788, Dec. 12.
Screening ball mill. F. M. Cornell. 2,530,862, Nov. 21.

Screening paper pulp, Method of and apparatus for. F. W. Young and S. A. Fahlgren. 2,505,513, Apr. 25.
Screens, Making fine mesh. H. B. Law. 2,529,086, Nov. 7.
Screens, Making picture projection. W. E. Bradley. 2,508,058, May 16.
Screens, Producing fluorescent. J. B. Johnson. 2,527,134, Oct. 24.
Screw. B. Bereza. 2,520,232, Aug. 29.
Screw. H. W. Hacker. 2,502,648, Apr. 4.
Screw adjustment for pivoted calipers, Tangent. A. E. Bernard. 2,514,024, July 4.
Screw and bolt device, Combined die and headless. R. Goldberg. 2,521,910, Sept. 12.
Screw and nut, Ball-bearing. S. B. Tanner. 2,502,066, Mar. 28.
Screw, Ash disposal. W. M. Schweickart and F. G. Julyan. 2,533,329, Dec. 12.
Screw, Calibrated lead. I. T. Wedin. 2,494,846, Jan. 17.
Screw, Cap. F. E. Frost. 2,517,476, Aug. 1.
Screw cap friction wrench. C. W. Ensminger. 2,519,447, Aug. 22.
Screw connection, Binding. R. F. Kieser. 2,532,625, Dec. 5.
Screw device, Antifriction. D. W. Hosler. 2,508,261, May 16.
Screw driver. J. H. Cone. 2,522,996, Sept. 19.
Screw driver. H. H. McKenzie. 2,523,041, Sept. 19.
Screw driver. C. N. Morts. 2,513,509, July 4.
Screw driver. M. R. Price. Re. 23,201, Feb. 28.
Screw driver. P. L. Robertson. 2,515,839, July 18.
Screw driver, Base-mounted screw-actuated. G. T. Chase. 2,524,767, Oct. 10.
Screw driver, Detachable handle. G. Madsen. 2,522,388, Sept. 12.
Screw driver having angularly adjustable bit. H. W. Clay. 2,501,561, Mar. 21.
Screw driver having cruciform shaped bit. J. J. Tomalis. 2,507,231, May 9.
Screw driver, Nonslip. P. D. Clough. 2,522,164, Sept. 12.
Screw driver or the like, Torque. F. P. Kruse. 2,535,293, Dec. 26.
Screw driver, Pneumatic. K. C. Mosier. 2,518,049, Aug. 8.
Screw driver, Power. S. V. Jones. 2,517,113, Aug. 1.
Screw driver, Reversible ratchet. E. D. Brubeck. 2,531,722, Nov. 28.
Screw driver, Reversible ratchet. I. T. Hart. 2,512,232, June 20.
Screw driver, Rotary impact type. G. W. Allen. 2,524,155, Oct. 3.
Screw driver, Rotary impact type. E. Turgeon. 2,514,732, July 11.
Screw driver, Screw gripping. R. E. Gearhart. 2,530,763, Nov. 21.
Screw driver, Screw holding. R. H. Alexander. 2,519,811, Aug. 22.
Screw driver, Screw-holding. H. Erickson. 2,526,211, Oct. 17.
Screw driver, Screw holding. A. Fogel. 2,516,457, July 25.
Screw driver, Screw holding. B. J. Johnson. 2,531,515, Nov. 28.
Screw driver, Screw holding. R. J. Lohr. 2,534,719, Dec. 19.
Screw driver, Screw retaining. A. W. Carson. 2,523,557, Sept. 26.
Screw driver with element-gripping jaws. D. D. Williams. 2,524,095, Oct. 3.
Screw driver with expanding bit, Screw holding. R. S. Hansen. 2,506,922, May 9.
Screw driver with screw holder. F. Grande. 2,524,167, Oct. 3.
Screw, Dust protected. H. S. Gray. 2,509,818, May 30.
Screw-eye wrench. J. W. Simmons. 2,530,914, Nov. 21.
Screw fan, pump, or other cased or uncased screw wheel. M. T. Adamtchik. 2,524,870, Oct. 10.
Screw feeding hopper. W. C. Anderson. 2,531,099, Nov. 21.
Screw holder. A. H. Carlson. 2,497,256, Feb. 14.
Screw operated clutch. D. C. Gibson and W. E. Lemp. 2,504,018, Apr. 11.
Screw operated clutch. C. E. Rohn. 2,521,607, Sept. 5.
Screw-operated pivoted-jaw bolt holder. A. Stacey. 2,519,157, Aug. 15.
Screw propeller. T. E. Godden, J. L. H. Bishop, and B. V. Holberton. 2,501,720, Mar. 28.
Screw pump. G. Rathman. 2,511,878, June 20.
Screw, Self-tapping. B. Z. Berman. 2,507,882, May 16.
Screw setter with screw feeding means, Portable power-driven. J. P. Johnson. 2,506,835, May 9.
Screw-thread die. H. J. Haycock and H. G. C. Wilson. 2,513,864, July 4.
Screw thread for high strength bolting. W. R. Penman. 2,514,589, July 11.
Screw threaded fastener. R. W. Bainbridge and R. L. Jordan. 2,512,082, June 20.
Screw type oil pump. C. F. Ormsby. 2,523,588, Sept. 26.
Scribing device, Typewriter line. F. Postma. 2,494,056, Jan. 10.
Scribing tool. H. V. Neiss. 2,509,876, May 30.
Scroll, Autograph. G. Shockey. 2,497,019, Feb. 7.
Scrubber or cleaner, Tooth. S. F. Nathan. 2,517,912, Aug. 8.
Scrubbing apparatus, Ore. A. J. Weinig. 2,493,049, Jan. 3.
Scrubbing apparatus, Rotary wiper floor. W. C. Renne. 2,518,183, Aug. 8.
Scudding hides. F. W. Henning. 2,520,599, Aug. 29.
Scuff plate luggage rack. W. J. Cerny. 2,494,690, Jan. 17.
Scum breaker. W. H. Green. 2,520,540, Aug. 29.
Sea food trap. L. E. Stelly. 2,516,658, July 25.
Sea marker, Message forming. J. De Ment. 2,519,825, Aug. 22.
Seal. E. B. Anderson. 2,510,362, June 6.
Seal. W. M. Brooks. 2,496,905, Feb. 7.
Seal. L. G. Krug. 2,505,189, Apr. 25.
Seal. E. D. Laas. 2,515,410, July 18.
Seal. W. W. Meyer. 2,525,365–6, Oct. 10.
Seal. T. M. Ulseth. 2,509,461, May 30.
Seal. R. J. Vedovell. 2,521,102, Sept. 5.
Seal. R. J. Vedovell. 2,521,137, Sept. 5.
Seal. R. J. Vedovell. 2,523,604, Sept. 26.
Seal and bearing for rotary shafts of gas compressors. A. E. Voysey. 2,526,594, Oct. 17.
Seal arrangement. I. B. Bensen. 2,498,479, Feb. 21.
Seal assembly and casing head combination. M. T. Works. 2,508,003, May 16.
Seal between bowls of vacuum type coffee makers. E. C. Sullivan. 2,528,253, Oct. 31.
Seal, Cable. B. A. Rose. 2,517,717, Aug. 8.
Seal, Car. B. Borland. 2,497,434, Feb. 14.
Seal, Car door. L. A. Buell. 2,508,660, May 23.
Seal, Coffee maker. I. Jepson. 2,522,372, Sept. 12.
Seal, Cooled and lubricated rotary. F. E. Payne. 2,531,079, Nov. 21.
Seal device for containers. T. N. Bourke. 2,526,630, Oct. 24.
Seal device, Unitary. O. Brummer. 2,499,353, Mar. 7.
Seal, Door. C. G. Bauer. 2,493,566, Jan. 3.
Seal, Door. J. C. Dudley. 2,513,789, July 4.
Seal, Electric discharge device. W. J. Scott. 2,518,944, Aug. 15.
Seal, Floating roof. F. L. Goldsby and C. M. Orr. 2,523,292, Sept. 26.
Seal, Fluid. S. M. Lillis. 2,493,255, Jan. 3.
Seal for augmenting the flushing capacity of toilet tanks in unstopping sewers, Toilet. H. U. Bates and J. T. Perkins. 2,529,587, Nov. 14.
Seal for bathtub bases. D. La Barre. 2,526,883, Oct. 24.
Seal for centrifugal machines. F. H. Fletcher, Jr 2,505,391, Apr. 25.
Seal for centrifugal pumps. D. Murphy. 2,505,868 May 2.
Seal for collets, Chip. W. B. Retz. 2,527,079, Oct. 24.
Seal for conveying apparatus. H. S. Lenhart. 2,494,887, Jan. 17.
Seal for cowlings, Rotatable. L. Avondoglio. 2,522,083, Sept. 12.
Seal for driers. J. R. Coffey. 2,522,993, Sept. 19.
Seal for electrical circuit control, Shaft. O. V. Hadley and E. E. Schwarzenbach. 2,519,756, Aug. 22.
Seal for filter cartridges. W. V. Kennedy. 2,533,192, Dec. 5.
Seal for flanged pipes, Pressure. E. Anderson. 2,533,868, Dec. 12.
Seal for floating roof tanks. J. W. Allen. 2,497,850, Feb. 21.
Seal for floating roof tanks. F. L. Goldsby and C. M. Orr. 2,531,424, Nov. 28.
Seal for floating roof tanks. C. M. Orr and F. L. Goldsby. 2,495,755, Jan. 31.
Seal for floating roofs, Liquid. I. E. Boberg. 2,516,101, July 25.
Seal for fluid pumps. T. H. Holmes. 2,509,973, May 30.
Seal for glass furnaces, Electrode. P. H. La Burthe, and R. E. Lambert. 2,526,241, Oct. 17.
Seal for high-frequency electric discharge tubes, Glass to metal. T. P. Tromp. 2,520,663, Aug. 29.
Seal for pressure cookers. O. M. Burkhardt. 2,524,558, Oct. 3.
Seal for pressure responsive devices, Diaphragm. A. J. Weatherhead, Jr., and J. N. Paquin. 2,517,745, Aug. 8.
Seal for propeller spinners, Blade. G. A. Dean. 2,498,072, Feb. 21.
Seal for pulp refining mills, Hydraulic. C. E. Roberson. 2,533,199, Dec. 5.
Seal for refrigerator cars, Water. R. E. Powers. 2,508,294, May 16.
Seal for rotary driers or coolers. J. L. Erisman. 2,517,470, Aug. 1.
Seal for rotary drum reactors, Pressure. J. E. Peirce. 2,500,295, Mar. 14.
Seal for rotary heat exchangers, Flexible circumferential. A. J. Tigges and G. D. Braddon. 2,517,512, Aug. 1.
Seal for rotary pumps and the like, Fluid pressure. H. J. Sadler and E. E. Cook. 2,533,399, Dec. 12.
Seal for rotatable closure plate on transit type concrete mixers. A. J. Pasquariello. 2,504,223, Apr. 18.
Seal for spindles of vacuum valves. V. T. Malcolm. 2,493,152, Jan. 3.
Seal for submersible motors, Liquid. T. W. Moore. 2,510,130, June 6.
Seal for swivel joints. D. C. Warren. 2,511,386, June 13.
Seal for vulcanizing apparatus, Protective. A. N. Gray. 2,534,865, Dec. 19.
Seal, Gasket. V. W. Peterson and O. J. Maha. 2,528,665, Nov. 7.

Seal, Glass-to-metal. J. E. Clark and V. L. Ronci. 2,509,906, May 30.
Seal, Graded. M. E. Nordberg. 2,517,019, Aug. 1.
Seal, Graded glass. R. V. Lukes. 2,522,523, Sept. 19.
Seal, Gun blast. Q. C. Johnson. 2,514,495, July 11.
Seal, Hose reel. R. Hannay. 2,506,830, May 9.
Seal, Lock. A. H. Swett, Jr., and E. C. Marshall. 2,511,751, June 13.
Seal, Lubricant. H. F. Minnis. 2,507,804, May 16.
Seal, Mechanical. F. B. Porges. Re. 23,189, Jan. 10.
Seal or strand coating apparatus. J. E. Lodge. 2,507,310, May 9.
Seal, Pipe-cleaning. L. R. and K. I. Robinson, E. O. Berger and W. S. Lang. 2,514,339, July 4.
Seal, Pneumatically operated furnace door. L. E. Wicks. 2,507,360, May 9.
Seal, Pressure. E. G. Honkanen. 2,535,288, Dec. 26.
Seal, Quartz-to-metal. A. Greiner. 2,504,521–2, Apr. 18.
Seal ring. B. W. Hubbard. 2,535,634, Dec. 26.
Seal ring. K. L. Mathews. 2,528,895, Nov. 7.
Seal, Roll neck. S. A. Hastings. 2,500,898, Mar. 14.
Seal, Rotary shaft. J. R. Albright. 2,503,086, Apr. 4.
Seal, Rotating vacuum. J. J. Vlach. 2,497,479, Feb. 14.
Seal, Self-contained. C. F. Voytech. 2,497,704, Feb. 14.
Seal, Shaft. L. H. Browne. Re. 23,283, Oct. 17.
Seal, Shaft. O. Jacobsen. 2,511,337, June 13.
Seal, Shaft. C. S. Jewett. 2,500,359, Mar. 14.
Seal, Shothole water. A. J. Abrams. 2,516,041, July 18.
Seal slot for catalyst bed screens in catalyst chambers. P. P. Briggs. 2,505,850, May 2.
Seal structure for controlling flow of liquids. T. N. Bourke. 2,526,629, Oct. 24.
Seal structure, Shock absorber. R. H. Whisler, Jr. 2,522,323, Sept. 12.
Seal, Tag. W. W. Artzt and M. Rubinoff. 2,517,376, Aug. 1.
Seal unit for flush valve actuators. J. J. Delany. 2,506,140, May 2.
Seal, Vacuum tube. W. A. Roovers. 2,522,062, Sept. 12.
Seal, Valve stem. C. Melidoni. 2,497,008, Feb. 7.
Seal, Valve stem oil. E. S. MacPherson. 2,505,128, Apr. 25.
Seal, Vulcanizing. H. E. Thompson. 2,517,054, Aug. 1.
Seal with "O" ring, Self-contained mechanical. F. E. Payne. 2,504,937, Apr. 18.
Sealed container. W. Rabak. 2,522,961, Sept. 19.
Sealed housing for an electrical condenser and sealing the condenser in the housing. D. H. J. Rhodes. 2,535,517, Dec. 26.
Sealed photoelectric tube. R. D. Moore. 2,518,048, Aug. 8.
Sealed receptacle. H. Lombard. 2,513,575, July 4.
Sealed sleeve bearing. J. W. Samzelius. 2,516,021, July 18.
Sealed sleeve type bearing. E. A. Lampe. 2,518,338, Aug. 8.
Sealed wet end for paper machines. J. E. Goodwillie. 2,535,732, Dec. 26.
Sealed wheel. F. E. Gaines. 2,512,148, June 20.
Sealer, Jar. W. M. Cassidy. 2,493,225, Jan. 3.
Sealer, Pipe. C. A. Butler, Jr. 2,500,601, Mar. 14.
Sealing and leveling means for lifter roof tanks. E. S. Fraser. 2,497,878, Feb. 21.
Sealing and testing wellhead connections. H. Allen and M. T. Works. 2,531,596, Nov. 28.
Sealing apparatus, Container. E. M. Enkur. 2,522,437, Sept. 12.
Sealing apparatus for hydraulic systems, Automatic. E. J. Wales. 2,501,800, Mar. 28.
Sealing appliance, Oxygen tent. J. R. Greene. 2,503,725, Apr. 11.
Sealing arrangement, Wellhead. M. T. Works. 2,496,190, Jan. 31.
Sealing assembly, High-pressure fluid. L. Hornbostel. 2,406,471, Feb. 7.
Sealing closure. C. P. Krupp. 2,494,249, Jan. 10.
Sealing closure. C. P. Krupp. 2,496,878, Feb. 7.
Sealing composition. J. B. De Coste. 2,532,699, Dec. 5.
Sealing composition. P. Sussenbach. 2,510,727, June 6.
Sealing composition for optical assemblies. M. Petronio. 2,524,076, Oct. 3.
Sealing composition for storage batteries, Preparing. L. J. Thomas. 2,504,605, Apr. 18.
Sealing compositions and forming container seals, Container. A. B. Foye. 2,528,506, Nov. 7.
Sealing compositions and making same. B. Gross. 2,494,336, Jan. 10.
Sealing compositions, Ceramic. L. E. Thiess. 2,511,679, June 13.
Sealing compositions, Container. A. B. Foye. 2,528,507, Nov. 7.
Sealing compositions, Oil-well. R. P. Courtney. 2,512,716, June 27.
Sealing compound. A. C. Fischer and W. H. Walker. 2,511,830, June 20.
Sealing compound, Thiourea impregnated. J. L. Schneider and R. J. Evans. 2,535,869, Dec. 26.
Sealing contact terminals to electron tubes. S. J. Koch. 2,511,164, June 13.
Sealing containers, Method and apparatus for. W. D. Bell. 2,518,856, Aug. 15.
Sealing containers, Method and apparatus for. S. Bergstein. 2,519,102, Aug. 15.
Sealing containers, Method and apparatus for. J. M. Sharf. 2,534,305, Dec. 19.
Sealing containers, Method of and apparatus for. F. W. Krueger. 2,496,877, Feb. 7.
Sealing device. N. A. Christensen. 2,509,672, May 30.
Sealing device. G. O. Eliasson. 2,509,912, May 30.
Sealing device. H. F. Greiner. 2,506,447, May 2.
Sealing device. C. E. Wuensch. 2,518,415, Aug. 8.
Sealing device, Bag. C. Miller. 2,514,453, July 11.
Sealing device, Bottle. J. R. L. Martin. 2,526,622, Oct. 24.
Sealing device, Crown. J. Waldman. 2,511,757, June 13.
Sealing device, Fluid. J. H. F. Stewart. 2,495,871, Jan. 31.
Sealing device, Fluid. J. H. F. Stewart. 2,533,201, Dec. 5.
Sealing device for shafts. O. B. Summers. 2,494,971, Jan. 17.
Sealing electrical apparatus. W. B. Ellwood. 2,508,018, May 16.
Sealing fixture. V. G. Jarman. 2,522,949, Sept. 19.
Sealing-in apparatus. H. W. Jacobsen. 2,512,276, June 20.
Sealing-in method and apparatus. R. H. Stuart. 2,531,008, Nov. 21.
Sealing machine. F. J. Cozzoli. 2,500,521–2, Mar. 14.
Sealing machine, Box. C. Christiansen. 2,499,461, Mar. 7.
Sealing machine, Carton. F. M. Willbrandt. 2,515,620, July 18.
Sealing machine, Vacuum. O. Bjering. 2,510,457, June 6.
Sealing means. D. L. Foxtow. 2,507,895, May 16.
Sealing means for fluid pressure apparatus. P. W. Thornhill. 2,518,097, Aug. 8.
Sealing means for liquid storage tanks. F. B. Booz. 2,492,963, Jan. 3.
Sealing means for mixers or the like. G. Jaeger and C. I. Bohmer. 2,501,944, Mar. 28.
Sealing means for moving shafts. H. J. Loftis. 2,522,231, Sept. 12.
Sealing means for rotary intaglio printing press ink fountains. J. E. Meyer. 2,495,017, Jan. 17.
Sealing mechanism. F. Feldmeier. 2,526,013, Oct. 17.
Sealing mechanism. C. Z. Monroe. 2,533,832, Dec. 12.
Sear mechanism. W. R. Weeks. 2,535,709, Dec. 26.
Sealing mechanism, Paper winding machine. G. M. Kwitek. 2,512,900, June 27.
Sealing metal to glass. A. Greiner and E. Q. Adams. 2,515,706, July 18.
Sealing method. B. S. Ellefson. 2,499,854, Mar. 7.
Sealing method and apparatus therefor including rotary sealing head, rotary head spacer, and conveyer mechanism, Container. F. Z. Fouse. 2,510,568, June 6.
Sealing method for cartons. L. Back. 2,524,032, Oct. 3.
Sealing method for wiped joints. G. M. Bouton and G. S. Phipps. 2,508,488, May 23.
Sealing of vessels of electronic discharge devices. J. Stivin. 2,514,976, July 11.
Sealing packing. J. L. Gratzmuller. 2,512,098, June 20.
Sealing porous structures. R. A. Barkhuff, Jr. 2,513,614, July 4.
Sealing sheet metal boxes. T. Baron and R. Weinberger. 2,528,296, Oct. 31.
Sealing threaded members. N. D. Hartley. 2,512,426, June 20.
Seam construction for garments. E. Stanley. 2,515,321, July 18.
Seam, Corded. C. A. Smith. 2,496,820, Feb. 7.
Seam, Corded. C. A. Smith. 2,518,392, Aug. 8.
Seam for stitched articles. D. G. Smith. 2,518,949, Aug. 15.
Seam for woven wire fabric. A. G. Hose and D. C. Dilley. 2,496,052, Jan. 31.
Seam ripper, Sewed. R. M. Lawrence. 2,520,769, Aug. 29.
Seamer, Double. W. E. Rooney. 2,522,301, Sept. 12.
Seaming head for containers. S. Birkland. 2,502,413, Apr. 4.
Searchlight, Combination deck and hand. A. P. Sauer. 2,510,320, June 6.
Searchlight, Dirigible. A. P. Sauer. 2,510,319, June 6
Searchlight support. H. W. Phillips. 2,503,065, Apr. 4.
Seat: *See*—

Adjustable boat seat.
Adjustable seat.
Adjustably mounted seat.
Aircraft seat.
Automobile seat.
Auxiliary collapsible seat.
Auxiliary raisable chair seat.
Baby's automobile seat.
Child's seat.
Child's toilet seat.
Collapsible auxiliary seat.
Convertible nursery seat.
Counter-balanced sanitary toilet seat.
Fishing reel seat.
Foldable auxiliary baby seat.
Foldable seat.
Folding seat.
Hydraulic seat.
Pilot seat.
Portable folding seat.
Portable toilet seat.
Privy seat.
Reclining seat.
Reversible or berthable seat.
Rotatable seat.
Sportsman's pocket - size collapsible tree seat.
Spring seat.
Spring supported tractor seat.
Stool seat.
Swing seat.
Toilet seat.
Upending tractor seat.
Valve seat.
Vehicle seat.
Vertically adjustable link supported seat.
Wall mounted collapsible seat.
Wearing seat.

Seat and back structure, Spring. C. F. Benson. 2,532,884, Dec. 5.
Seat and bed structure. W. E. Burnett. 2,504,645, Apr. 18.
Seat and equalizer lifting means, Spring. M. P. Blomberg. 2,499,293, Feb. 28.
Seat and swing, Child's combination car. H. P. Prigg. 2,494,581, Jan. 17.
Seat and table assembly, Convertible. C. E. McCaw. 2,506,606, May 9.
Seat assembly, Vehicle. J. M. Nickelsen, C. E. Read, R. G. Spiess, and A. Boor. 2,500,496, Mar. 14.
Seat attachment, Collapsible. H. W. Zillig. 2,518,971, Aug. 15.
Seat back and washbasin unit, Folding. O. Kuhler. 2,532,237, Nov. 28.
Seat construction and vehicle seating arrangement. C. P. Liljengren and E. R. McGregor. 2,523,960, Sept. 26.
Seat construction for stools and the like. H. A. Gelman. 2,498,837, Feb. 28.
Seat construction, Spring. B. D. McIntyre. 2,534,047, Dec. 12.
Seat cushion adjusting means. J. S. Osinski. 2,510,517, June 6.
Seat for aircraft, Ejection. J. Martin. 2,527,020, Oct. 24.
Seat for automobiles, Portable auxiliary. W. L. Dumas. 2,493,806, Jan. 10.
Seat for barber and similar chairs, Roving. C. M. Boles. 2,524,187, Oct. 3.
Seat for beauty parlor chairs and the like, Auxiliary. S. H Abbott and J. F. Hutchinson. 2,529,532, Nov. 14.
Seat for beds, Collapsible toilet. C. R. Carroll. 2,521,341, Sept. 5.
Seat for chairs, Booster. J. E. Robinson. 2,515,527, July 18.
Seat for chairs or stools. B. F. Hamilton. 2,525,670, Oct. 10.
Seat for side wall sampling tools. J. McClinton. 2,511,508, June 13.
Seat for store carts, Baby. S. N. Goldman. 2,508,670, May 23.
Seat for strollers, Auxiliary. G. H. Goldstein. 2,517,785, Aug. 8.
Seat for washing windows, Safety. A. Anastasi. 2,532,590, Dec. 5.
Seat having spring mounting, Tractor. C. Gabel. 2,533,573, Dec. 12.
Seat slide structure. H. E. Nofz. Re. 23,197, Feb. 14.
Seat structure for automobiles, Convertible. W. H. McGee. 2,534,612, Dec. 19.
Seat structure, Resilient. H. C. Flint. 2,514,182, July 4.
Seat structure, Temperature controlled. E. G. Pophal. 2,521,091, Sept. 5.
Seat structure, Toilet. R. Hughes. 2,494,813, Jan. 17.
Seat supporting structure, Adjustable. R. C. Angell and G. H. Browne. 2,529,861, Nov. 14.
Seat track construction. C. F. Kramer. 2,500,316, Mar. 14.
Seats, tables, and the like. G. F. Reed and W. H. Gould. 2,510,293, June 6.
Secondary-electron emission. J. Bramley. 2,527,981, Oct. 31.
Secondary electron emitter. L. E. Cheesman and H. E. Mendenhall. 2,530,947, Nov. 21.
Secondary emission amplifying tube circuit. A. van Weel. 2,497,640. Feb. 14.
Secondary emission tube ring circuit. R. B. Trousdale. 2,512,984, June 27.
Secondary emissive electric discharge tube. C. F. Veenemans. 2,530,743, Nov. 21.
Secrecy system. J. E. Smith and R. E. Mathes. 2,534,535, Dec. 19.
Secretarial reminder, Automatic. J. A. Albers. 2,533,751, Dec. 12.
Section for a house form assembly, Inner form. R. G. Le Tourneau. 2,524,981, Oct. 10.
Section for stator cores for induction motors. L. E. Aske. 2,495,218, Jan. 24.
Section model of meat animals. H. A. Howard. 2,501,520, Mar. 21.
Sectional casing gear pump. R. B. Wilson. 2,511,660, June 13.
Sectional display box. B. Kennedy. 2,522,620, Sept. 19.
Sectional self-supporting golf bag. L. T. Martin. 2,502,627, Apr. 4.
Sectional tool cabinet. R. Clink. 2,525,208, Oct. 10.
Sectional top knockdown table. P. Y. Johnson, 2,504,531, Apr. 18.
Sectional wall cabinet. O. Mankki. 2,520,506, Aug. 29.
Sector, Citrus fruit. M. L. Foerster. 2,503,475, Apr. 11.
Sector scan circuit. M. A. Starr. 2,521,878, Sept. 12.
Sector scan control for antenna systems. M. D. McFarlane. 2,502,975, Apr. 4.
Sector scanning unit. A. A. Macdonald. 2,519,265, Aug. 15.
Securing a fabric cover over an enclosure. E. H. Daniels. 2,510,307, June 6.
Securing a semicylindrical liner in a pump bore. W. B. Hook. 2,496,292, Feb. 7.
Securing and decorative means for the edge portions of a flexible-walled container, Combined. W. Tamoschat. 2,527,339, Oct. 24.
Securing device. H. F. Oliver. Re. 23,286, Oct. 17.
Securing even distribution of heated pebbles in the product heating chamber of a pebble furnace. L. J. Weber. 2,518,842, Aug. 15.
Securing means, Hose. W. G. Mitchell. 2,522,684, Sept. 19.
Securing paper rolls to roll shafts. M. De Marinis. 2,498,486, Feb. 21.
Securing soles to uppers of footwear. J. Latham. 2,521,464, Sept. 5.
Sedimentation apparatus. F. L. Graner. 2,528,051, Oct. 31.
Seed ejector for rotary trap chamber type seed planters. P. E. Milton. 2,535,222, Dec. 26.
Seed feeder. H. C. Rassmann. 2,510,658, June 6.
Seed feeding device. C. A. Loucks. 2,515,351, July 18.
Seed for production of titanium dioxide and making same. M. J. Mayer. 2,519,389, Aug. 22.
Seed gatherer, Moving comb type. T. E. Kirk. 2,508,401, May 23.
Seed planting machine. J. Powell. 2,532,192, Nov. 28.
Seed potato cutter. A. J. Troyer. 2,503,976, Apr. 11.
Seed treating machine. B. F. Gustafson. 2,519,649, Aug. 22.
Seeder, Vibratory. E. F. Bouska. 2,525,641, Oct. 10.
Seeding and cap stemming raisins. T. W. W. Forrest. 2,498,949, Feb. 28.
Seeding apparatus. G. A. Dunn. 2,529,727, Nov. 14.
Seeding apparatus. M. G. Fuller. 2,523,208, Sept. 19.
Seesaw, Rotary one-person. J. D. Smith. 2,527,460, Oct. 24.
Seesaw, Rotating. A. E. Probst. 2,527,763, Oct. 31.
Seesaw, Swinging. E. C. Bailey. 2,509,796, May 30.
Segmental piston ring. V. F. Zahodiakin. 2,504,914, Apr. 18.
Seismic exploration by means of periodic excitation. S. A. Scherbatskoy. 2,521,130, Sept. 5.
Seismic exploration system for determination of strata dips. A. Wolf. 2,496,648, Feb. 7.
Seismic detector. R. L. Henson, Jr. 2,533,249, Dec. 12.
Seismograph compositing system. R. W. Olson. 2,509,651, May 30.
Seismograph gain control system. E. J. Shimek. 2,495,390, Jan. 24.
Selecting apparatus, Card. J. W. Whitson. 2,495,491, Jan. 24.
Selecting mechanism, Gear. N. E. Wahlberg. 2,522,321, Sept. 12.
Selection of first interruption pulse for synchronization of vertical sweep generators. J. Kuperus. 2,519,911, Aug. 22.
Selective calling system. L. F. Mayle. 2,527,561, Oct. 31.
Selective carburization. R. J. Peters. 2,520,334, Aug. 29.
Selective condition control. J. Eaton. 2,497,663, Feb. 14.
Selective, continuous spectrum, spectral polarizing color device. A. E. K. Stadler. 2,527,593, Oct. 31.
Selective delivery filing cabinet. E. Bertello and B. S. Dalmazzo. 2,504,629, Apr. 18.
Selective detector circuit. M. L. Alexander. 2,512,595, June 27.
Selective dispensing cabinet. F. A. Roberts. 2,526,422, Oct. 17.
Selective grain growth of silicon steel. C. G. Dunn and B. L. Johnson, Jr. 2,528,216, Oct. 31.
Selective mechanism. M. B. McDavitt and D. Mitchell. 2,503,402, Apr. 11.
Selective output saturable reactor amplifier circuit. P. Glass. 2,493,130, Jan. 3.
Selective register for meter control, Key operated. M. J. Stevens. 2,522,845, Sept. 19.
Selective sectional money bag. A. G. Burnett. 2,500,341, Mar. 14.
Selective separation by flotation of phosphatic titanium-oxide mixtures. L. L. McMurray and S. P. Moyer. 2,525,146, Oct. 10.
Selective shaft positioning control. R. S. Pyle. 2,533,398, Dec. 12.
Selective signaling system and apparatus. G. G. Keyes. 2,522,453, Sept. 12.
Selective system. R. B. Dome. 2,519,029, Aug. 15.
Selective system for use with thin strips or sheets of paper and using the same. F. S. Crane. 2,503,658, Apr. 11.
Selective valve. G. D. Beyette. 2,500,239, Mar. 14.
Selective variable condition control. J. Eaton. 2,505,388, Apr. 25.
Selector. E. A. Wiberg. 2,499,553, Mar. 7.
Selector, Adjustable band-pass. H. J. Lipkin. 2,498,561, Feb. 21.
Selector and price-setting unit, Article. M. Caruso. 2,529,374, Nov. 7.
Selector apparatus for alarm signals. L. Chauveau. 2,533,765, Dec. 12.
Selector apparatus for color and other combinations. O. A. Bergman. 2,499,450, Mar. 7.
Selector, Channel. D. R. De Tar and M. J. Kirk. 2,521,968, Sept. 12.
Selector cock. O. M. Burkhardt. 2,503,612, Apr. 11.
Selector, Color. O. Vetterli. 2,494,072, Jan. 10.
Selector for automatic firearms, Fire control. A. F. Gaidos. 2,512,638, June 27.
Selector for radio apparatus, Station. R. W. Ritzert. 2,501,853, Mar. 28.
Selector for signal seeking tuning systems. M. J. Pifer. 2,495,020, Jan. 17.

Selector mechanism, Automatic. F. G. Eskuchen. 2,493,622, Jan. 3.
Selector mechanism, Automatic. S. W. McKellip. 2,493,635, Jan. 3.
Selector mechanism for automatic phonographs. L. J. Andres. 2,530,347, Nov. 14.
Selector mechanism for automatic phonographs. E. F. Andrews. 2,531,374, Nov. 21.
Selector mechanism for printing telegraph receivers. R. D. Salmon. 2,521,750, Sept. 12.
Selector switch. G. Deakin. 2,502,438, Apr. 4.
Selector switch. C. E. Nygren. 2,503,885, Apr. 11.
Selector switch metering circuit. C. E. Lomax. 2,525,417, Oct. 10.
Selector system, Cathode-ray tube. T. I. Ress. 2,534,369, Dec. 19.
Selector valve. T. O. Holm. 2,503,618, Apr. 11.
Selector valve. J. R. Snyder. 2,503,639, Apr. 11.
Selenomercaptans, Production of. W. T. Stewart. 2,510,765, June 6.
Self-acting closure. C. G. Berquist. 2,528,332, Oct. 31.
Self-adjusting pneumatic pressure switch. B. Stoudt. 2,499,262, Feb. 28.
Self-advancing winding reel. R. Hellbach. 2,512,645, June 27.
Self-aligning bearing. J. E. Kennedy. 2,521,731, Sept. 12.
Self-aligning bearing mounting. W. Boyd. 2,530,323, Nov. 14.
Self-aligning journal bearing. J. M. and F. H. Towler. 2,509,177, May 23.
Self-cleaning capillary tube type flow-meter. E. R. Woodward. 2,532,218, Nov. 28.
Self-cleaning lint trap. W. G. Sullivan. 2,512,394, June 20.
Self-cleaning mixer gate. O. A. Mallory. 2,512,163, June 20.
Self-cleaning wet wheel. W. W. Stuart. 2,503,523, Apr. 11.
Self-clinching fastener. R. L. McPherson. 2,502,267, Mar. 28.
Self-closing automobile gas cap. D. Davidson. 2,503,031, Apr. 4.
Self-closing powder can. R. Nyden and H. K. Dickerman. 2,501,735, Mar. 28.
Self-closing safety pin. J. A. Benditt. 2,514,464, July 11.
Self-controlled aircraft landing gear. E. S. Hoobler. 2,502,522, Apr. 4.
Self-disinfecting arrangement. R. Pagel. 2,527,955, Oct. 31.
Self-flaring pipe coupling. S. Guarnaschelli. 2,534,198, Dec. 12.
Self-locking centrifugal mold. A. B. Hemstreet. 2,506,216, May 2.
Self-locking device, Threaded. A. H. Lamb. 2,529,343, Nov. 7.
Self-locking electrical connector. L. Theriault. 2,498,743, Feb. 28.
Self-locking snap hook. F. G. Manson. 2,514,656, July 11.
Self-locking stand. R. A. Knaus. 2,524,450, Oct. 3.
Self-locking structure. B. L. Leeper. 2,526,246, Oct. 17.
Self-locking wrench. J. S. Collison. 2,533,436, Dec. 12.
Self-locking wrench. A. A. Westman. 2,524,689, Oct. 3.
Self-lubricating, self-aligning bearing. R. L. Whiteley. 2,500,592, Mar. 14.
Self-opening closure. N. B. Wales. 2,517,064, Aug. 1.
Self-packing pipe joint. A. C. Fischer. 2,517,778, Aug. 8.
Self-perforating ink container. E. G. Shelton. 2,501,102, Mar. 21.
Self-piloted rotary drill bit. O. Phipps. 2,532,783, Dec. 5.
Self-priming pump. A. J. Granberg. 2,496,870, Feb. 7.
Self-punching and retaining paper holder. A. M. Ste. Marie. 2,512,447, June 20.
Self-regulating stock tank. A. E. Langenbahn. 2,511,721, June 13.
Self-releasing hook. C. E. Sonnenburg. 2,513,256, June 27.
Self-sealing coupling. F. E. Payne. 2,535,694, Dec. 26.
Self-sealing spherical mixing valve. H. H. Kersten. 2,535,580, Dec. 26.
Self-separating electrical connector. H. H. Burtt, C. E. Soderstrom, and W. W. Koenig. 2,532,538, Dec. 5.
Self-service refrigerated food case. A. J. Maas. 2,502,163, Mar. 28.
Self-starter for vehicle engines. H. G. Ferguson and J. M. Chambers. 2,511,054, June 13.
Self-starting and stopping system for arc welding installations, Automatic. R. G. Ferguson. 2,499,635, Mar. 7.
Self-synchronous positional control system. E. J. Isbister and F. L. Moseley. Re. 23,290, Oct. 31.
Self-synchronous system. H. H. Curry. 2,515,495, July 18.
Self-tuning filter circuit. E. G. Hills. 2,503,046, Apr. 4.
Self-view finder for photography. J. T. Foufounis. 2,504,949, Apr. 25.
Self-unloading vehicle. M. C. Ottenbacher. 2,534,558, Dec. 19.
Self-washing cream separator. W. H. Harstick. 2,504,261, Apr. 18.
Self-watering reservoir type plant holder. J. C. Sommer. 2,499,885, Mar. 7.
Selvage motion. H. Cooper. 2,533,094, Dec. 5.
Semiautomatic apparatus for spraying oil on articles. E. L. Malhiot. 2,518,559, Aug. 15.
Semiconductive resistance provided with metal contacts. P. W. Haayman and H. Bruining. 2,496,346, Feb. 7.
Semihydrogenation of tertiary acetylenic monohydric alcohols, Catalytic. E. F. Smith. 2,516,826, July 25.
Semirimless spectacle mounting. F. H. Soden. 2,509,655, May 30.
Sending unit for indicators, Pressure responsive. G. E. Coxon and T. Paul. 2,525,095, Oct. 10.
Sensing and translating device, Record. H. Hansen. 2,523,904, Sept. 26.
Sensing device for reading perforated records repetitively, Pneumatic. F. M. Carroll and O. L. Hibbard. 2,524,029, Oct. 3.
Sensing device for tabulators, Successive. H. P. Mixer. 2,516,013, July 18.
Sensing mechanism for record cards and the like. W. T. Gollwitzer. 2,508,603, May 23.
Sensing system for magnetically recorded signals. R. E. Cheney, J. L. Wagner, and R. E. Lawhead. 2,496,579, Feb. 7.
Sensitive flip-flop circuit. G. J. Scoles. 2,530,033, Nov. 14.
Sensitizing latex applicable to the manufacture of articles by molding at normal temperatures. P. Compagnon. 2,505,229, Apr. 25.
Sensitometric device. A. Simmon. 2,528,977, Nov. 7.
Sensitometric device for color photography using scanning, recording, and comparing means. A. Simmon. 2,499,039, Feb. 28.
Sensor for aircraft, Glide path. J. L. Anast. 2,524,746, Oct. 10.
Separable fastener. M. Winterhalter. 2,496,925–6, Feb. 7.
Separable moving picture film reel. N. E. and J. M. Goldberg. 2,494,612, Jan. 17.
Separable slide fastener. L. J. Lukas and T. D. Fine. 2,511,926, June 20.
Separating a diolefin from a monoolefin. L. K. Beach. 2,500,736, Mar. 14.
Separating a mixture of isomeric xylenes. H. P. Hetzner and R. J. Miller. 2,511,711, June 13.
Separating a mixture of normally gaseous components, Fractionally. J. E. Gantt. 2,500,353, Mar. 14.
Separating aliphatic nitriles, water, ammonia, and hydrogenation-inhibiting impurities. R. H. Potts. 2,504,045, Apr. 11.
Separating and recovering globulins from blood plasmas. J. W. Williams and H. F. Deutsch. 2,520,076, Aug. 22.
Separating apparatus. F. B. Schilling. 2,530,181, Nov. 14.
Separating apparatus, Liquid. G. A. Auer. 2,513,836, July 4.
Separating basic organic compounds. W. Swietoslawski. 2,519,412, Aug. 22.
Separating by liquefaction gaseous mixtures into their constituents. A. Etienne. 2,534,903, Dec. 19.
Separating carotene fractions and tocopherol-sterol fractions from green plant materials. M. E. Wall. 2,527,602, Oct. 31.
Separating chemical compounds. C. A. Hampel and W. L. Norem. 2,496,287, Feb. 7.
Separating constituents of coke oven gases. P. E. Haynes. 2,503,265, Apr. 11.
Separating cooking liquor from pulp. P. G. von Hildebrandt. 2,534,324, Dec. 19.
Separating device, Finger supported hair lock. W. C. Grant. 2,526,128, Oct. 17.
Separating device for removing from a gaseous fluid another fluid in liquid phase. A. A. Furczyk. 2,513,556, July 4.
Separating device, Jack type tire bead and rim. J. H. Reitz. 2,523,448, Sept. 26.
Separating device with plural prism for dividing the light beam for colored photography and cinematography, Optical image. A. H. J. Thirard and J. R. Dicop. 2,527,896, Oct. 31.
Separating enantiomers of racemic amino acids. C. Neuberg and I. Mandl. 2,511,867, June 20.
Separating fibers, Method and apparatus for. R. A. Fairbairn. 2,513,300, July 4.
Separating fine granular materials according to specific gravity. E. M. Baroody. 2,525,390, Oct. 10.
Separating fluids by thermal diffusion, Method and apparatus for. J. W. Beams. 2,521,112, Sept. 5.
Separating foreign material from fine fibers, Method and apparatus for. R. A. Fairbairn. 2,513,297–8, July 4.
Separating gas mixtures, Process and apparatus for. E. F. Yendall. 2,514,921, July 11.
Separating gas mixtures, Process of and apparatus for. P. K. Rice. 2,517,134, Aug. 1.
Separating gas mixtures, Process of and apparatus for. E. F. Yendall and G. H. Zenner. 2,518,652, Aug. 15.
Separating glycerides. V. J. Muckerheide. 2,514,608, July 11.
Separating higher fatty acids. N. V. Feldpush. 2,510,015, May 30.
Separating higher molecular alcohols from soaps obtained in the preparation of the same. V. Blinoff. 2,530,042, Nov. 14.
Separating hydrocarbon liquids and water from high-pressure gas streams. A. F. Barry. 2,528,028, Oct. 31.
Separating hydrogen from hydrogen containing gases. A. B. Welty, Jr. 2,526,524, Oct. 17.

Separating isomers of amidone intermediates. K. Pfister, III. 2,497,739, Feb. 14.
Separating isotopes, Method and apparatus for. G. Simmons, Jr. 2,533,966, Dec. 12.
Separating live viruses from nonviral protein matter. H. R. Cox and S. Aiston. 2,506,345, May 2.
Separating machine, Potato. P. La Pointe. 2,535,801, Dec. 26.
Separating metal halide vapors. I. J. Krchma. 2,533,021, Dec. 5.
Separating mixed gases, Method and apparatus for. D. B. Crawford. 2,526,996, Oct. 24.
Separating mixtures of tocopherols. M. L. Quaife. 2,499,778, Mar. 7.
Separating 1,3,4-xylenol and 1,4,2-xylenol from mixtures containing the same and organic base complexes derived therefrom. F. E. Cislak and M. M. Otto. 2,526,807, Oct. 24.
Separating organic compounds by forming solid complexes. L. C. Fetterly. 2,520,716, Aug. 29.
Separating organic compounds by means of urea and thiourea. L. C. Fetterly. 2,520,715, Aug. 29.
Separating powdered catalysts from exothermically reactive gases. P. W. Garbo. 2,526,651, Oct. 24.
Separating progesterone from cholesterol. L. Velluz and G. Rousseau. 2,494,678, Jan. 17.
Separating rosin acids from mixed materials. N. L. Kalman. 2,532,101, Nov. 28.
Separating solid matter from hot wort. F. W. Benedict. 2,530,594, Nov. 21.
Separating sprues from molded articles. L. W. Vinal. 2,520,263, Aug. 29.
Separating starch from gluten, Method and apparatus for. A. K. Kilander and L. B. Edsall. 2,530,823, Nov. 21.
Separating the constituents of gaseous mixtures. A. J. and I. F. Fausek. 2,521,157, Sept. 5.
Separating the constituents of gaseous mixtures. A. J. and I. F. Fausek. 2,527,301, Oct. 24.
Separating the constituents of gaseous mixtures. A. J. and I. F. Fausek. 2,527,623, Oct. 31.
Separating the spring fingers of feed chucks. A. J. Daddona. 2,530,569, Nov. 21.
Separating titanium from its ores. E. G. Judd. 2,527,257, Oct. 24.
Separation and recovery of the constituents of air. W. Dennis. 2,497,589, Feb. 14.
Separation by adsorption. P. L. Brandt. 2,493,911, Jan. 10.
Separation device for rolling mills. A. F. Kritscher. 2,525,687, Oct. 10.
Separation of alcohols and acids from Fischer-Tropsch synthesis product. B. Heinze and J. A. King. 2,523,248, Sept. 19.
Separation of aluminum chloride and ferric chloride. I. J. Krchma and H. H. Schaumann. 2,502,327, Mar. 28.
Separation of aromatic and sulfur compounds. A. P. Lien and B. L. Evering. 2,501,064, Mar. 21.
Separation of aromatic hydrocarbons. A. E. Hirschler. 2,518,236, Aug. 8.
Separation of butadiene from hydrocarbon gases with cuprous chloride. E. V. Murphree. 2,515,134, July 11.
Separation of C8 H10 aromatic hydrocarbons by extractive distillation. A. C. Nixon, C. H. Deal, Jr., and R. J. Evans. 2,532,031, Nov. 28.
Separation of crystals from solutions containing HCN. W. J. Rosenbloom. 2,516,832, July 25.
Separation of cyclopentane-neohexane mixtures by azeotropic distillation with methyl formate. G. C. Ray. 2,498,928, Feb. 28.
Separation of cylinders from spheres. K. L. Nance and L. R. Chance. 2,494,939, Jan. 17.
Separation of dialkyl benzenes. L. K. Beach and C. E. Morrell. 2,519,336, Aug. 22.
Separation of dienes. D. B. Luten, Jr., K. W. Hedberg, and A. De Benedictis. 2,508,922, May 23.
Separation of fatty acids. H. T. Spannuth. 2,505,012, Apr. 25.
Separation of fibers suspended in a liquid. L. E. Pentén. 2,518,814, Aug. 15.
Separation of 4-(4′-cyano-4′,4′-diphenylbutyl-2′)-morphaline from its isomer. E. H. Wilson. 2,508,322, May 16.
Separation of gamma and beta-picolines. L. J. Cracas. 2,516,370, July 25.
Separation of gamma-valerolactone from water, The. G. E. Ham. 2,503,200, Apr. 4.
Separation of gases. S. P. Robinson. 2,527,964, Oct. 31.
Separation of hydrazobenzenes from zinc sludge. H. Z. Lecher and G. S. Watson. 2,519,673, Aug. 22.
Separation of hydrocarbon gases at low-temperature. M. Ruhemann. 2,522,640, Sept. 19.
Separation of hydrocarbon synthesis products. P. C. White. 2,501,115, Mar. 21.
Separation of hydrocarbons. J. D. Danforth. 2,509,486, May 30.
Separation of hydrocarbons. A. E. Hirschler. 2,514,580, July 11.
Separation of hydrocarbons. B. J. Mayland and F. N. Ruehlen and E. E. White. 2,508,723, May 23.
Separation of hydrocarbons. G. C. Ray and E. O. Box, Jr. 2,522,059, Sept. 12.
Separation of hydrocarbons using urea complexes. P. J. Garner, L. N. Goldsbrough, and T. B. Buyers. 2,518,677, Aug. 15.
Separation of isomers, The. L. K. Beach, J. F. Nelson, and J. Stewart. 2,506,289, May 2.
Separation of low molecular weight hydrocarbons from petroleum mixtures. J. A. Patterson. 2,509,044, May 23.
Separation of neutral phthalic acid esters, The. P. J. Garner and G. Watson. 2,508,911, May 23.
Separation of normal paraffins. A. E. Hirschler. 2,530,300, Nov. 14.
Separation of olefins. E. V. Fasce. 2,494,546, Jan. 17.
Separation of olefins. E. V. Fasce. 2,497,159, Feb. 14.
Separation of organic compounds. W. P. Burton. 2,505,752, May 2.
Separation of organic compounds. G. G. Lauer and H. J. Passino. 2,516,127, July 25.
Separation of organic compounds. G. G. Lauer, H. J. Passino and J. R. Segesser. 2,516,126, July 25.
Separation of organic oxygenated compounds from hydrocarbons. E. A. Johnson. 2,535,069, Dec. 26.
Separation of organic oxygenated compounds from hydrocarbons. S. W. Walker. 2,535,071, Dec. 26.
Separation of organic oxygenated compounds from hydrocarbons. S. W. Walker and J. E. Latta. 2,535,070, Dec. 26.
Separation of phenols. H. A. Basterfield. 2,497,971, Feb. 21.
Separation of preferred fractions from apparently homogeneous gel particles. L. D. Rampino. 2,508,867, May 23.
Separation of pure methionine from methionine nitrile hydrolyzates. R. D. Kralovec. 2,504,425, Apr. 18.
Separation of saponified and unsaponifiable portions of fats and oils. M. Freiman. 2,516,112, July 25.
Separation of solids in a medium. C. B. Schneible. 2,507,461, May 9.
Separation of starch from wheat flour. E. M. Burdick. 2,504,962, Apr. 25.
Separation of ternary gaseous mixtures containing hydrogen and methane. I. Roberts. 2,495,549, Jan. 24.
Separation of tertiary monohexenes and preparation of 2-methylpentanol-2. B. E. Hudson, Jr. 2,530,332, Nov. 14.
Separation of the constituents of air. J. L. Schlitt. 2,502,282, Mar. 28.
Separation of the starch and gluten constituents of flour. C. G. Harrel, J. T. Haigh and R. O. Brown. 2,516,117, July 25.
Separation of unsaponifiable materials from free fatty acids. H. A. Vogel. 2,523,794, Sept. 26.
Separation of unsaponifiable matter from tall oil residue. R. M. Christenson and S. W. Gloyer. 2,530,810, Nov. 21.
Separation process for assorting solids, Heavy-media. C. Marsh. 2,496,590, Feb. 7.
Separator: *See*—
- Baled hay separator.
- Battery separator.
- Centrifugal bowl separator.
- Centrifugal cyclone separator.
- Centrifugal separator.
- Chaff separator.
- Clutch disk separator.
- Coin separator.
- Cotton separator.
- Cream separator.
- Cyclone dust separator.
- Cyclone separator.
- Egg separator.
- Egg yolk and white separator.
- Foam separator.
- Gas and liquid separator.
- Gas and oil separator.
- Gas separator.
- Grain separator.
- Inclined current fluid suspension ore separator.
- Ionized particle separator.
- Liquid and gas separator.
- Liquid separator.
- Liquid-solids separator.
- Livestock separator.
- Magnetic separator.
- Oil and gas separator.
- Paramagnetic coin separator.
- Particle separator.
- Pneumatic separator.
- Sand separator.
- Self-washing cream separator.
- Steam, gas, and air separator.
- Synchronizing pulse separator.
- Weasand separator.

Separator. W. H. Rowand. 2,532,332, Dec. 5.
Separator. E. M. Van Dornick. 2,533,977, Dec. 12.
Separator and extractor, Flotation. L. B. Berg and J. E. Martin. 2,530,676, Nov. 21.
Separator and sustainer, Load. C. K. Steins. 2,501,420, Mar. 21.
Separator blowoff valve. F. A. Dexter. 2,508,015, May 16.
Separator for crankcase vapors, Oil. H. A. Chubbuck. 2,493,617, Jan. 3.
Separator for electric storage batteries. E. R. Dillehay and R. D. Schuetz. 2,531,504, Nov. 28.
Separator for grain chutes, Magnetic. J. Kotilinek. 2,502,096, Mar. 28.
Separator for paper pulp, Vortex. F. W. Vickery. 2,521,103, Sept. 5.
Separator for paper pulp, Vortex type. A. C. Bergès. 2,532,885, Dec. 5.
Separator for removing entrained liquid particles from a flowing gaseous medium. A. M. Goodloe. 2,521,785, Sept. 12.
Separator for use with high-pressure oil or gas-distillate wells. J. C. Schultz. 2,507,273, May 9.

Separator for wells, Oil-water. W. A. Bruce. 2,523,091, Sept. 19.
Separator having a pivoted yolk retainer, Egg. L. A. Minton. 2,519,392, Aug. 22.
Separator mechanism, Adjustable sheet. E. W. and F. R. Belluche. 2,506,628, May 9.
Separators for lead-acid electric accumulators, Making wood. H. J. Hampton. 2,529,389, Nov. 7.
Separators, Making battery. J. F. Schaefer. 2,508,043, May 16.
Separators, Preparing wooden battery. E. Farber and M. Sciascia. 2,529,006, Nov. 7.
Septic tank treatment of sewage. M. H. West. 2,528,403, Oct. 31.
Sequence grounding device. V. W. Spears. 2,508,778, May 23.
Sequence switch. W. P. Gallagher. 2,527,249, Oct. 24.
Sequence tuner, Radio receiver. E. J. Sperber. 2,511,602, June 13.
Series capacitor protection. R. E. Marbury. 2,504,860, Apr. 18.
Series of compressors, Starting. D. E. Meitzler. 2,496,805, Feb. 7.
Series parallel control system. L. G. Riley. 2,512,381, June 20.
Serine synthesis. J. A. King. 2,530,065, Nov. 14.
Serpentine spring. C. V. Wolfe. 2,517,269, Aug. 1.
Serrating machine, Band groove. M. S. Evans, A. O. Kleckner, and E. A. Watson. 2,532,397, Dec. 5.
Serums for therapeutic use, Preparation of. A. J. Harms. 2,516,206, July 25.
Server device. J. F. Barnes. 2,507,951, May 16.
Service indicator. P. A. Bucky. 2,520,198, Aug. 29.
Service line coupling. A. H. Kirksey. 2,513,651, July 4.
Service station mounted on a vehicle, Portable. J. H. Adler. 2,498,229, Feb. 21.
Service table. E. B. Morgan and A. J. Plachecki. 2,499,668, Mar. 7.
Service unit, Ranch and farm. P. R. Davis. 2,524,963, Oct. 10.
Servicing device for fluorescent lighting fixtures. L. F. Smith and H. J. Sandstrom. 2,507,549, May 16.
Servicing machine for building tires. E. C. Kastner. 2,521,728, Sept. 12.
Serving apparatus, Food. F. Hecht. 2,516,985, Aug. 1.
Serving-bar unit, Beverage. A. M. Pohl and P. H. Herber. 2,497,688, Feb. 14.
Serving device. A. W. Doux. 2,496,908, Feb. 7.
Serving device having removable inner receptacle. J. A. Heard and T. C. McCourry. 2,515,709, July 18.
Servo control device for brakes and the like. G. P. Piganeau. 2,499,775, Mar. 7.
Servo mechanism. N. L. Cohen. 2,534,106, Dec. 12.
Servo mechanism. A. C. Hall. 2,496,391, Feb. 7.
Servo mechanism. C.-G. Hård af Segerstad. 2,500,407, Mar. 14.
Servo mechanism, Electric motor. L. S. Williams. 2,510,536, June 6.
Servomotor. R. S. Curry, Jr. 2,535,046, Dec. 26.
Servomotor and control, Pressure differential. G. R. Elliott. 2,532,801, Dec. 5.
Servomotor and system controlled thereby, Electric. F. W. Meredith. 2,499,664, Mar. 7.
Servomotor and system having improved torque characteristics. G. C. Newton, Jr. 2,534,293, Dec. 19.
Servomotor and valve therefor, Portable pressure fluid. H. W. Darr. 2,497,813, Feb. 14.
Servomotor apparatus, Antihunt electrical. T. R. Harrison. 2,528,054, Oct. 31.
Servomotor circuit. W. A. Knoop. 2,532,723, Dec. 5.
Servomotor control. A. Warsher. 2,493,605, Jan. 3.
Servomotor, Follow-up pressure fluid. E. Säll. 2,517,718, Aug. 8.
Servomotor, Follow-up type pressure fluid. W. H. Newell, 2,513,888, July 4.
Servomotor for aircraft controls. L. D. Cahill, W. T. Buhl, and A. S. Horwitz. 2,520,115, Aug. 29.
Servomotor, Governor-controlled. A. F. Schwendner. 2,507,353, May 9.
Servomotor having feel means, Pressure fluid. W. G. Lisle and C. R. Churn. 2,503,956, Apr. 11.
Servomotor mechanism for machine tools, Hydraulic. O. E. Schurr. 2,527,458, Oct. 24.
Servomotor, Pressure fluid. L. E. Daubenmeyer. 2,531,907, Nov. 28.
Servomotor, Pressure fluid follow-up. J. Le Valley. 2,503,397, Apr. 11.
Servomotor system. R. D. McCoy. 2,515,228–9, July 18.
Servo-system. G. Agins. 2,529,065, Nov. 7.
Servo-system control. W. C. Anderson. 2,501,300, Mar. 21.
Servo system, Damped. J. D. Peterson. 2,493,593, Jan. 3.
Servo system derivative generator. M. L. Greenough. 2,497,216, Feb. 14.
Servo system testing. R. A. Carpenter and D. M. Lowe. 2,497,069, Feb. 14.
Servo unit and motor. W. L. Hansen and I. N. Hurst. 2,505,961, May 2.
Sesquicyanines. D. W. Stammers. 2,519,797, Aug. 22.
Setback switch. J. D. Jordan and R. G. Ferris. 2,498,040, Feb. 21.
Set indicator aid for micrometers. G. E. Clauser. 2,527,058, Oct. 24.
Set-off device. H. H. Talboys. 2,530,588, Nov. 21.
Setscrew, Self-locking. E. W. Weissert. 2,533,748, Dec. 12.
Set shift device. H. van Doorne and W. G. Sanders. 2,510,439, June 6.
Setwork. L. J. Peters. 2,518,369, Aug. 8.
Setter for saws, Automatic tooth. B. N. and J. B. Engle. 2,504,399.
Setting and expanding agents for resins. W. A. La Lande, Jr., and H. Green. 2,493,075, Jan. 3.
Setting apparatus for textile fabrics. H. Richter. 2,520,062, Aug. 22.
Setting equipment, Pegged door jamb. C. J. Roos. 2,523,063, Sept. 19.
Setting for jewelry, Detachable. A. Piotrowski. 2,519,152, Aug. 15.
Setting machine, Saw tooth. B. N. and J. B. Engle. 2,504,398, Apr. 18.
Setting mechanism for printing machines, Differential. R. A. Christian. 2,503,865, Apr. 11.
Setting mechanism, Seconds. W. O. Bennett, Jr. 2,496,690, Feb. 7.
Settler. S. J. H. Breukel. 2,497,392, Feb. 14.
7-chloro-4-aminoquinolines, Production of. W. A. Fisher. 2,494,801, Jan. 17.
7-dehydrocholesteryl esters, Preparation of. S. Bernstein and K. J. Sax. 2,498,390, Feb. 21.
7-dehydrosterol esters, Production of. D. H. Gould. 2,503,385, Apr. 11.
7-dehydrosterols, Production of. W. L. Ruigh. 2,500,576, Mar. 14.
7-hydroxy-8-methylisoquinoline and its preparation. R. B. Woodward and W. von E. Doering. 2,520,672, Aug. 29.
7-hydroxysterols and esters, Preparing. J. A. K. Buisman. 2,520,234, Aug. 29.
7-methyl homolog of folic acid. G. J. Martin and L. L. Tolman. 2,502,869, Apr. 4.
17-ketosteroids, Preparing. A. G. Wilson. 2,515,482, July 18.
17-monobenzoate ester of androstene diol, Production of the. J. Levy and R. Kapp. 2,521,586, Sept. 5.
Severing and clamping means, Web. O. Cooksey. 2,492,968, Jan. 3.
Severing and fusing machine, Thermoplastic. H. Gaibel. 2,526,650, Oct. 24.
Severing apparatus, Glass. C. W. Craig. 2,518,871, Aug. 15.
Severing apparatus, Glass. S. M. Dockerty, D. E. Gray, J. W. Romig, and W. R. Wisner. 2,521,352, Sept. 5.
Severing device. E. I. Stephenson. 2,528,455, Oct. 31.
Severing device, Strand. C. D. Rinehart and M. Kocsuta. 2,494,490, Jan. 10.
Severing of connected tampons. H. C. A. Behr. 2,532,438, Dec. 5.
Severing sprues from a molded part and simultaneously molding a second plastic to the part. F. J. Dofsen and E. L. Danielson. 2,510,091, June 6.
Severing the heads from the bodies of shrimp. C. A. and E. F. Greiner. 2,534,767, Dec. 19.
Sewage and the like, Purifying. F. G. Kiekhoefel and L. J. Nemecsek. 2,528,887, Nov. 7.
Sewage disposal system. M. De Anglis. 2,518,292, Aug. 8.
Sewage treatment process. A. L. Genter and C. C. Kennedy. 2,528,649, Nov. 7.
Sewerage system. V. Wachta. 2,514,916, July 11.
Sewing cabinet. C. B. Wilhoite and F. R. Shields. 2,504,479, Apr. 18.
Sewing machine. A. Austlid. 2,497,651, Feb. 14.
Sewing machine. J. E. Bishop and F. W. Williams. 2,522,811, Sept. 19.
Sewing machine. M. Buono. 2,514,837, July 11.
Sewing machine. N. V. Christensen and C. F. Rubel. 2,530,860, Nov. 21.
Sewing machine. N. E. Colegrove. 2,515,338, July 18.
Sewing machine. C. R. Fox. 2,509,491, May 30.
Sewing machine. T. G. Frankert. 2,505,036, Apr. 25.
Sewing machine. H. Hacklander. 2,518,987, Aug. 15.
Sewing machine. C. L. Knott. 2,498,041, Feb. 21.
Sewing machine. H. J. Le Vesconte and A. M. Schweda. Re. 23,224, May 2.
Sewing machine. H. J. Le Vesconte, A. M. Schweda, and C. C. Smith. 2,494,888, Jan. 17.
Sewing machine. L. Mawbey. 2,526,760, Oct. 24.
Sewing machine. T. E. Monroe. 2,497,231, Feb. 14.
Sewing machine. C. F. Rubel. 2,494,901, Jan. 17.
Sewing machine. G. Sauer. 2,502,346, Mar. 28.
Sewing machine. G. Sauer. 2,533,400, Dec. 12.
Sewing machine. V. J. Sigoda. 2,500,211, Mar. 14.
Sewing machine. C. C. Smith. 2,502,350, Mar. 28.
Sewing machine. B. A. Schmitt. 2,532,790, Dec. 5.
Sewing machine. B. Zahler. 2,494,790, Jan. 17.
Sewing machine and means for automatically producing recurring operations. L. Roseman. 2,505,579, Apr. 25.
Sewing-machine attachment. E. T. Johnson. 2,533,467, Dec. 12.
Sewing machine attachment. R. B. Myers and D. E. Craven. 2,523,586, Sept. 26.
Sewing machine, Button. G. W. Nelson. 2,511,367, June 13.
Sewing machine, Buttonhole. L. R. Bradford, W. W. Dunnell, Jr., and F. J. McAvinney. 2,529,072, Nov. 7.
Sewing machine control mechanism. G. Hill and H. C. De Witt. 2,517,567, Aug. 8.

Sewing machine, Electric blanket. C. E. Johnson and E. E. Woller. 2,518,147, Aug. 8.
Sewing machine, Embroidery. E. Prazak and A. Kierner. 2,525,312, Oct. 10.
Sewing-machine feed mechanism. R. K. Hohmann. 2,526,480, Oct. 17.
Sewing machine for blind stitching. V. J. Sigoda. 2,527,582, Oct. 31.
Sewing machine for elastic seams. H. Diamond. 2,534,701, Dec. 19.
Sewing machine for making tubular trimmings. L. W. Senter. 2,534,534, Dec. 19.
Sewing-machine frame. R. K. Hohmann. 2,526,481, Oct. 17.
Sewing machine guard and spool support. G. Mangiaracina. 2,527,192, Oct. 24.
Sewing-machine guide. D. Le Bovit. 2,520,415, Aug. 29.
Sewing machine, Hand. A. W. Rantanen. 2,507,814, May 16.
Sewing machine lubrication. J. D. Karle. 2,505,330, Apr. 25.
Sewing-machine mechanism. R. K. Hohmann. 2,526,479, Oct. 17.
Sewing machine mounting. B. F. Williams. 2,528,935, Nov. 7.
Sewing machine, Shoe. H. Boothroyd. 2,525,858, Oct. 17.
Sewing machine, Shoe. L. T. James. 2,520,211, Aug. 29.
Sewing machine, Shoe. A. R. Morrill. 2,502,058, Mar. 28.
Sewing machine take-up. G. A. Holland. 2,516,874, Aug. 1.
Sewing machine, Welt shoe. O. R. Haas. 2,520,140, Aug. 29.
Sewing machine, Zig-zag. J. Galkin. 2,519,452, Aug. 22.
Sewing machines for making fabric tubes. R. J. Sailer. 2,529,575, Nov. 14.
Sewing neckties. E. M. Kaupke. 2,502,462, Apr. 4.
Sewing shoes. J. P. Fredericksen. 2,517,103, Aug. 1.
Sewing unit. N. V. Christensen and G. Sauer. 2,511,047, June 13.
Shackle, particularly for ship and anchor chains. K. W. Sköld. 2,524,935, Oct. 10.
Shackle, Poultry. G. W. Johnson. 2,533,941, Dec. 12.
Shackle, Releasable. T. J. Henderson. 2,518,889, Aug. 15.
Shackle, Safety. L. D. Brown. 2,527,350, Oct. 24.
Shackling apparatus, Animal. L. E. Kahn and H. Noble. 2,513,877, July 4.
Shade, Beach. G. H. Krumwiede. 2,515,454, July 18.
Shade bracket. A. C. Barr. 2,525,513, Oct. 10.
Shade, deformable reflector, and lens assembly, Unitary. W. O. Langille. 2,534,037, Dec. 12.
Shade roller. W. S. Gwin. 2,530,462, Nov. 21.
Shade roller operating device. F. H. Toms. 2,532,867, Dec. 5.
Shaded pole motor. J. Youhouse. 2,509,583, May 30.
Shading elimination in electron multiplier pickup tube. P. K. Weimer. 2,525,105, Oct. 10.
Shading or screening unit, Thermally controlled liquid. J. D. W. Snowden, Jr. 2,501,418, Mar. 21.
Shadow box display, Conical. E. M. Roach. 2,526,580, Oct. 17.
Shaft bearing. T. H. Woodfield and C. J. Morton. 2,506,404, May 2.
Shaft closing for lifts. J. H. Helling. 2,514,058, July 4.
Shaft concentricity testing and assorting machine. H. N. Baney, L. A. C. Slentz, A. A. Kirkpatrick, and C. E. Brickley. 2,531,317, Nov. 21.
Shaft coupling. R. H. Shenk. 2,513,684, July 4.
Shaft, Drill. J. J. Scheppe. 2,496,412, Feb. 7.
Shaft, Expansible. L. L. Collard. 2,520,126, Aug. 29.
Shaft extension for electric motors. W. C. Heath. 2,493,140, Jan. 3.
Shaft for looms, Picking. V. F. Sepavich. 2,518,945, Aug. 15.
Shaft furnace. M. G. H. M. Lepersonne. 2,523,835, Sept. 26.
Shaft mounting means, Adjustable. D. W. Aabel. 2,518,263, Aug. 8.
Shaft mucking machine. G. S. Gluck. 2,519,041, Aug. 15.
Shaft positioning apparatus. R. W. May. 2,504,998, Apr. 25.
Shaft positioning apparatus. R. W. May. 2,512,664, June 27.
Shaft puller. G. A. Nelson and L. C. Chappelle. 2,521,991, Sept. 12.
Shaft seal. L. D. Alward. 2,501,984, Mar. 28.
Shaft seal. O. B. Summers. 2,526,590, Oct. 17.
Shaft seal and effecting the seal. D. E. Jack. 2,505,698, May 2.
Shaft seal, Rotary. E. A. Sprigg. 2,517,730, Aug. 8.
Shaftless butterfly valve. C. A. Brown. 2,493,736, Jan. 10.
Shaker. W. E. Law. 2,519,671, Aug. 22.
Shaker, Automatic anticlog salt. M. A. Adams. 2,525,331, Oct. 10.
Shaker, Cocktail. P. Schlumbohm. 2,532,373, Dec. 5.
Shaker, Combined salt and pepper. N. A. Toney. 2,504,905, Apr. 18.
Shaker, Condiment. F. W. Galvin and L. J. Koch. 2,535,913, Dec. 26.
Shaker, Condiment. C. E. Somers. 2,528,093, Oct. 31.
Shaker conveyer clamp. L. D. Hagenbook. 2,523,293, Sept. 26.
Shaker dispenser. R. W. Hoag. 2,499,313, Feb. 28.
Shaker, Dual-purpose. W. L. Garberding. 2,502,449, Apr. 4.
Shaker, Salt. M. D. Singletary. 2,530,406, Nov. 21.
Shaker, Salt. A. J. Wyman and R. G. Ziegler. 2,521,662, Sept. 5.
Shaker, Salt and pepper. E. B. Coleman. 2,493,109, Jan. 3.
Shaker, Salt and pepper. K. K. Leong. 2,501,061, Mar. 21.
Shampoo, Lotion. J. J. Miskel and L. Rassner. 2,519,062, Aug. 15.
Shank coil cover. E. V. Bailey. 2,499,449, Mar. 7.
Shank connection for the presser foot of a sewing machine and producing same. F. Vanadia. 2,526,304, Oct. 17.
Shanking machine, Button. B. C. Eisenberg. 2,530,514, Nov. 21.
Shape-forming device. J. A. Chyba. 2,507,194, May 9.
Shaper blade holder. E. A. Christenson. 2,520,116, Aug. 29.
Shaper, Piecrust. A. A. Klingbiel. 2,506,928, May 9.
Shaper, Vertical. J. R. Whitenack. 2,507,129, May 9.
Shaping and setting strap shoes. M. L. Dodge. 2,517,293, Aug. 1.
Shaping and sizing hatbrims, Method of and apparatus for. G. Cipriano. 2,505,460, Apr. 25.
Shaping die. M. Steder. 2,523,527, Sept. 26.
Shaping machine. H. C. Bramel. 2,493,103, Jan. 3.
Shaping machine. E. Wodetzky. 2,505,815, May 2.
Shaping plastic sheet material. H. E. Smith. 2,531,540, Nov. 28.
Shaping plastics, Process of and apparatus for. E. F. Middleton. 2,522,956, Sept. 19.
Shaping tool. M. D. Gersh. 2,531,728, Nov. 28.
Sharpener and cutting tool, Pipe wrench tooth. A. G. Jung. 2,518,018, Aug. 8.
Sharpener, Blade. R. R. Spencer. 2,507,826, May 16.
Sharpener, Chain saw. B. F. Pitcher. 2,522,799, Sept. 19.
Sharpener, Convertible knife. W. F. Thompson. 2,498,018, Feb. 21.
Sharpener, Crayon pencil. J. J. Sigman. 2,502,177, Mar. 28.
Sharpener, Disk. H. Pater. 2,510,601, June 6.
Sharpener, Disk. R. H. Weirich. 2,517,950, Aug. 8.
Sharpener, Dustproof pencil. L. Becker. 2,525,854, Oct. 17.
Sharpener, Electric knife. G. A. Gillen. 2,522,942, Sept. 19.
Sharpener for meat block scrapers. C. S. Van Loon. 2,534,486, Dec. 19.
Sharpener for mechanical pencils. J. L. Worden. 2,532,384, Dec. 5.
Sharpener for shears. M. H. and W. H. Johnson. 2,504,423, Apr. 18.
Sharpener, Knife. A. E. Anheuser. 2,495,361, Jan. 24.
Sharpener, Knife. A. S. Calkins. 2,513,841, July 4.
Sharpener, Knife. B. L. Chapin, N. L. Davis, and T. H. Cabot, Jr. 2,496,578, Feb. 7.
Sharpener, Knife. J. J. Fiechter. 2,495,839, Jan. 31.
Sharpener, Knife. J. Gallo. 2,520,279, Aug. 29.
Sharpener, Knife. C. W. Goldstein. 2,509,636, May 30.
Sharpener, Knife. D. L. Marcantonio. 2,495,814, Jan. 31.
Sharpener, Knife. J. May. 2,527,021, Oct. 24.
Sharpener, Knife. F. S. McCabe. 2,515,247, July 18.
Sharpener, Knife. H. R. Ranson. 2,505,911, May 2.
Sharpener, Lawn mower. L. Bentley. 2,498,938, Feb. 28.
Sharpener, Lawn mower. A. Silfen. 2,513,591, July 4.
Sharpener, Lawn-mower. B. L. Walker. 2,517,947, Aug. 8.
Sharpener, Machine-sickle. I. Hunter. 2,529,805, Nov. 14.
Sharpener or cutter, Electric. A. Sollosy and I. Mendelsohn. 2,520,020, Aug. 22.
Sharpener, Pencil. V. R. Abrams. 2,515,174, July 18.
Sharpener, Pencil. N. Arant. 2,513,704, July 4.
Sharpener, Pencil. H. Becker. 2,519,625, Aug. 22.
Sharpener, Pencil. O. E. Hammond. 2,495,631, Jan. 24.
Sharpener, Pencil. H. M. Heath. 2,521,165, Sept. 5.
Sharpener, Pencil. I. G. A. Ljunggren. 2,523,382, Sept. 26.
Sharpener, Pencil. J. S. Milne. 2,523,663, Sept. 26.
Sharpener, Pencil. F. Schär. 2,519,854, Aug. 22.
Sharpener, Pencil. G. E. Wimmer. 2,505,452, Apr. 25.
Sharpener, Portable pencil. I. S. Peightel. 2,510,248, June 6.
Sharpener, Razor blade. A. M. Eichorn. 2,519,033, Aug. 15.
Sharpener, Razor blade. H. Millard, Jr. 2,505,908, May 2.
Sharpener, Safety razor blade. A. Malewski. 2,528,894, Nov. 7.
Sharpener, Saw. E. Eklund. 2,507,371, May 9.
Sharpener, Saw. J. McEwan. 2,535,439, Dec. 26.
Sharpener, Single-edge razor blade. W. W. Syfert. 2,495,910, Jan. 31.
Sharpener, Wet grinding knife. E. W. Vars. 2,496,139, Jan. 31.
Sharpening device for clipper blades. S. W. Clark. 2,503,322, Apr. 11.
Sharpening device for saw teeth, Side. J. M. Jonsson. 2,526,364, Oct. 17.

Sharpening device for scissors. T. A. Calabrese. 2,528,943, Nov. 7.
Sharpening device, Scissors. M. J. Robitaille. 2,499,331, Feb. 28.
Sharpening machine, Automatic saw. M. Collis. 2,521,777, Sept. 12.
Sharpening machine, Automatic saw. E. J. Duquette. 2,519,748, Aug. 22.
Sharpening machine, Circular saw. W. T. Harrell. 2,517,873, Aug. 8.
Sharpening machine, Knife. G. M. Calvert. 2,519,351, Aug. 22.
Sharpening machine, Saw. A. J. Boutin. 2,519,735, Aug. 22.
Shaver, Electric. E. E. Dietrich. 2,502,036, Mar. 28.
Shaver, Electric. C. H. and J. L. Quackenbush. 2,500,378, Mar. 14.
Shaver, Multihead dry. H. E. Page. 2,526,153, Oct. 17.
Shaver, Rotary dry. W. L. L. Vivie and A. van de Lee. 2,494,464, Jan. 10.
Shaver with blade sharpener, Electric. J. Van H. Whipple. 2,511,188, June 13.
Shaver with hair receiving receptacle, Dry. I. Lonne. 2,520,885, Aug. 29.
Shaving brush, Reservoir-handled, measured-feed fountain. J. A. Loewinsohn. 2,529,036, Nov. 7.
Shaving machine, Internal gear. H. Pelphrey. 2,504,578, Apr. 18.
Shaving mechanism. W. J. Neidig. 2,524,822, Oct. 10.
Shear. O. H. Pearson. 2,496,018, Jan. 31.
Shear, Electrically driven rotary. E. S. Murrah. 2,500,999, Mar. 21.
Shear press. R. F. Dehn. 2,525,401, Oct. 10.
Shear press back gauge. R. F. Dehn. 2,520,495, Aug. 29.
Shear, Rotary. F. E. Davis. 2,497,155, Feb. 14.
Shear, Scrap cutting. E. Reed. 2,500,772, Mar. 14.
Shearing apparatus. H. H. Crafton. 2,509,760, May 30.
Shearing fins from ingots, Method of and apparatus for. W. E. Black. 2,499,292, Feb. 28.
Shearing machine. J. J. Smith. 2,505,801, May 2.
Shearing mechanism, Pipe and tube. J. F. Daukus. 2,516,451, July 25.
Shears. E. F. Borrelli. 2,520,905, Sept. 5.
Shears. H. N. Boyer. 2,528,815, Nov. 7.
Shears. J. Ewart. 2,517,471, Aug. 1.
Shears. J. Polincovsky. 2,504,447, Apr. 18.
Shears. P. S. and T. S. Vosbikian. 2,503,978, Apr. 11.
Shears. P. S. and T. S. Vosbikian. 2,528,326, Oct. 31.
Shears. C. W. Weidauer. 2,511,187, June 13.
Shears, Air operated. G. Potstada. 2,493,696, Jan. 3.
Shears, Garden. O. F. Borg. 2,532,220, Nov. 28.
Shears, Grass. F. Dostal. 2,511,571, June 13.
Shears, Hand actuated pruning. C. J. Johnson. 2,512,334, June 20.
Shears, Hedge. H. N. Boyer. 2,528,816, Nov. 7.
Shears, Hedge trimming. M. J. Barone. 2,516,946, Aug. 1.
Shears, Lawn. T. J. Caves. 2,519,174–6, Aug. 15.
Shears, Metal bar. A. Sachs. 2,517,447, Aug. 1.
Shears, Metal-cutting. H. E. Menser. 2,529,171, Nov. 7.
Shears, Pinking. M. L. Cohn. 2,508,706, May 23.
Shears, Pinking. E. C. Gillette. 2,501,718, Mar. 28.
Shears, Power-operated pruning. J. Carnesecca, Jr. 2,505,385, Apr. 25.
Shears, Power-operating pruning. L. D. Fletcher. 2,504,405, Apr. 18.
Shears, Pruning. H. N. Boyer. 2,495,677, Jan. 24.
Shears, Pruning. S. A. Drmic. 2,532,359, Dec. 5.
Shears, Rotary. M. Morgan. 2,504,035, Apr. 11.
Shears, Wheeled grass. E. L. Hunt and O. A. Neuman. 2,521,293, Sept. 5.
Sheath and nail file, Combination. R. G. Lyle. 2,511,278, June 13.
Sheath for hunting knives. P. W. Davis. 2,528,501, Nov. 7.
Sheath for explosives. I. C. Wood. 2,499,440, Mar. 7.
Sheath, Knife. C. De Buigne. 2,500,525, Mar. 14.
Sheave, Cable laying. P. B. Benner. 2,501,837, Mar. 28.
Sheave, Demountable. D. L. Kessler. 2,495,459, Jan. 24.
Sheet assemblies, especially for books, Making. W. B. Hildmann. 2,524,259, Oct. 3.
Sheet, Crib or the like. A. N. Spanel, F. W. Andrews, and H. A. Owen. 2,533,971, Dec. 12.
Sheet delivering means in rotary presses. E. J. Janke. 2,531,629, Nov. 28.
Sheet, Composite transparent. W. A. Hermanson. 2,496,665, Feb. 7.
Sheet conveying, stacking, and delivering apparatus. H. S. Morrison. 2,506,550, May 2.
Sheet cutting apparatus for printing presses. H. B. Donning. 2,506,445, May 2.
Sheet detecting means in printing machines. W. T. Gollwitzer. 2,511,670, June 13.
Sheet feeding and separating device. W. P. Winters. 2,499,439, Mar. 7.
Sheet feeding device. F. M. Carroll and J. H. Bakelaar. 2,528,420, Oct. 31.
Sheet feeding machine. R. Aberle. 2,497,849, Feb. 21.
Sheet feeding mechanism. M. H. Loughridge. 2,511,596, June 13.
Sheet feeding mechanism. J. Magnusson. 2,494,186, Jan. 10.
Sheet feeding mechanism for billing machines. W. A. Eagan. 2,530,156, Nov. 14.
Sheet finishing apparatus. H. T. Battin. 2,526,318, Oct. 17.
Sheet, Foldable. A. O. Palm. 2,525,937, Oct. 17.
Sheet for albums, Display. F. N. Sayre. 2,505,506, Apr. 25.
Sheet for manufacturing receptacles, Producing ferrous. R. R. Tanner. 2,500,915, Mar. 14.
Sheet handling mechanism for printing machines. F. Spence and J. W. Jakeman. 2,508,844, May 23.
Sheet holder. B. K. Slonneger. 2,524,118, Oct. 3.
Sheet holder. B. K. Slonneger. 2,526,091, Oct. 17.
Sheet holding mechanism for facsimile recorders and the like. J. Schauer. 2,514,974, July 11.
Sheetlike light-polarizing complex of iodine and a polyvinyl compound with protective surface boric acid-polyvinyl compound complex. M. Hyman, Jr., and C. D. West. Re. 23,297, Nov. 28.
Sheet material. Process and apparatus for manufacturing multiply. J. C. Nicholson. 2,523,966, Sept. 26.
Sheet material and compositions, Laminated. P. E. Hardy and W. J. Sparks. 2,525,071, Oct. 10.
Sheet material and luminaire made therefrom, Foraminous. L. C. Doane. 2,506,951, May 9.
Sheet material coated with plasticized organosilicon condensate, Siliceous. F. J. Sowa. 2,530,635, Nov. 21.
Sheet material delivery means. F. O. Trump. 2,533,184 Dec. 5.
Sheet material from rubber, Production of. B. R. Billmeyer. 2,535,034, Dec. 26.
Sheet material, Glass fiber. R. C. Sproull and P. L. Staats. 2,504,744, Apr. 18.
Sheet material handling. H. W. Daves. 2,517,388, Aug. 1.
Sheet material, Manifolding. D. A. Newman. 2,503,680, Apr. 11.
Sheet material, method and apparatus, Flexible corrugated. C. Q. Ives. 2,503,874, Apr. 11.
Sheet material, Production of clay coated. A. D. Wilson. 2,500,972, Mar. 21.
Sheet material, Splicing. J. C. Platt. 2,495,761, Jan. 31.
Sheet material, Water impermeable. H. A. De Phillips. 2,527,299, Oct. 24.
Sheet, Mattress covering. W. L. Kessler. 2,528,313, Oct. 31.
Sheet metal cutting tool. C. B. Gray. 2,535,631, Dec. 26.
Sheet-metal gas burner. A. H. Berger. 2,532,439, Dec. 5
Sheet metal internal-combustion heater. G. W. Allen and V. N. Tramontini. 2,507,081, May 9.
Sheet metal lock nut wrench. B. A. Baker. 2,520,269, Aug. 29.
Sheet metal machine. W. O. Hartup. 2,521,974, Sept. 12.
Sheet metal, Method of ornamenting. E. C. V. Oldofredi. 2,528,540, Nov. 7.
Sheet metal open-hearth heater. H. H. Walters. 2,494,527, Jan. 10.
Sheet metal reel. F. R. Schaefer. 2,494,522, Jan. 10.
Sheet metal straightening tool. F. J. Hauschild. 2,528,361, Oct. 31.
Sheet metal surfacing material. E. F. Moos. 2,504,566, Apr. 18.
Sheet metal trimming machine. W. O. Hartup. 2,521,975, Sept. 12.
Sheet metal working press. J. N. Weiland. 2,494,921, Jan. 17.
Sheet packing and manufacture. H. J. Palumbo. 2,530,906, Nov. 21.
Sheet piling, Magnetic. D. Buccicone. 2,527,911, Oct. 31.
Sheet positioning device for duplicating machines. J. J. Camphouse. 2,518,221, Aug. 8.
Sheet product, Stitched. R. S. Owens. 2,514,412, July 11.
Sheet registering mechanism. A. J. Albrecht. 2,528,106, Oct. 31.
Sheet structures and composition, Laminated. C. H. Hofrichter, Jr. 2,504,417, Apr. 18.
Sheet thickness gauge. B. C. Muzzey. 2,502,059, Mar. 28.
Sheet turner, Music. R. E. Allenbach. 2,493,610, Jan. 3.
Sheet wrapping material and making same, Coated, nonfibrous regenerated cellulose. A. F. Chapman. 2,533,557, Dec. 12.
Sheeting and producing the same, Ruffled. T. W. Winstead. 2,502,772, Apr. 4.
Sheeting materials, Daylight fluorescent resinous. J. L. and R. C. Switzer. 2,498,593, Feb. 21.
Sheetings of a water-soluble film-forming material, Producing. F. J. Kaszuba. 2,514,131, July 4.
Sheets, Method and apparatus for making batt-covered. C. Hepner. 2,493,968, Jan. 10.
Sheets or webs of fibrous textile materials, Manufacture of. F. Happey and J. H. Grimes. 2,535,919, Dec. 26.
Sheets or webs of fibrous textile materials, Manufacture of. J. H. MacGregor and F. Happey. 2,522,627, Sept. 19.
Shelf. H. S. Overman. 2,527,228, Oct. 24.
Shelf, Adjustable rotatable. E. H. Boddy. 2,519,880, Aug. 22.
Shelf and dispenser, Combined lavatory. W. J. Dobkin. 2,517,988, Aug. 8.
Shelf and divider assembly and spring clip anchoring means therefor. T. M. Dunham. 2,500,309, Mar. 14.
Shelf assembly. O. Muller. 2,505,299, Apr. 25.
Shelf bracket. C. G. Comer. 2,534,952, Dec. 19.

Shelf bracket. R. T. Hedfield and E. A. Hill. 2,527,253, Oct. 24.
Shelf construction. C. A. Laystrom and H. R. Sigler. 2,506,602, May 9.
Shelf construction. R. W. Mohring. 2,510,243, June 6.
Shelf construction for merchandise display cases, Tiltable. M. K. Teach. 2,517,735, Aug. 8.
Shelf construction, Multiple. C. J. Claude. 2,522,748, Sept. 19.
Shelf, Deep recess. G. V. Calvert. 2,517,284, Aug. 1.
Shelf, Demountable corner. M. A. Garris. 2,522,442, Sept. 12.
Shelf, Folding. W. J. Dobkin. 2,494,798, Jan. 17.
Shelf for automobile instrument panels, Detachable. H. Zuckerman. 2,494,980, Jan. 17.
Shelf for filing cabinets, Utility. W. C. Mitchell. 2,504,343, Apr. 18.
Shelf for refrigerator cabinets, Edge illuminated. R. L. Benson. 2,515,584, July 18.
Shelf for refrigerators or the like, Fold-away. A. R. Clark. 2,517,385, Aug. 1.
Shelf mechanism for refrigerated display cases. E. F. Brill. 2,521,036, Sept. 5.
Shelf, Portable. A. U. Peterson. 2,502,746, Apr. 4.
Shelf, Rolling. J. Wojakowski. 2,494,221, Jan. 10.
Shelf support. H. T. Jackson and F. J. Hill. 2,527,132, Oct. 24.
Shelf, Weight. E. J. O'Bryan and D. Bell. 2,518,053, Aug. 8.
Shelving. F. H. Whitney. 2,528,807, Nov. 7.
Shelving, Bookcase and like. H. Irwin. 2,502,261, Mar. 28.
Shelving, Refrigerated. C. B. Shreve. 2,528,916, Nov. 7.
Shelving, Sectional. G. Coplen. 2,529,649, Nov. 14.
Shell and feed therefor, Base. W. Makenny. 2,515,881, July 18.
Shell and tube heat exchanger having zig-zag tubes. R. H. Tull. 2,519,084, Aug. 15.
Shell-banding machine. A. F. Rehnberg and J. Nelson. 2,517,598, Aug. 8.
Shell, Resilient. A. Rava. 2,522,401, Sept. 12.
Shell, Spherical tank. J. O. Jackson. 2,496,626, Feb. 7.
Sheller, Egg. G. B. Brustolon and J. E. Hoey. 2,497,342, Feb. 14.
Sheller, Egg. M. J. Duzmal. 2,506,073, May 2.
Sheller, Hard boiled egg. G. G. Hyatt. 2,498,811, Feb. 28.
Sheller, Nut. W. E. Turner. 2,506,848, May 9.
Shelling apparatus of the pneumatic type, Nut. B. B. Lenhart and M. W. McGrath. 2,512,107, June 20.
Shelling machine having cooperating rotary cracking members, Nut. A. S. Blankenship and F. F. Blankenship. 2,512,411, June 20.
Shellac, Process and apparatus for manufacture of. N. N. Spier, and E. Phillips. 2,525,970, Oct. 17.
Shelter, Portable. P. T. Cline. 2,531,501, Nov. 28.
Shelter, Portable rig. E. W. Brockman and C. D. Wagner. 2,528,721, Nov. 7.
Shelter, Portable sun. W. A. Winquist. 2,499,897, Mar. 7.
Shelter, Sun. J. Mintz. 2,518,167, Aug. 8.
Shield, Adjustable. G. O. Hoffstetter. 2,500,682, Mar. 14.
Shield and clip therefor, Underarm garment. A. R. Seaquist. 2,520,694, Aug. 29.
Shield and method, Base. C. E. Schell. 2,500,384, Mar. 14.
Shield and seat arrangement. F. L. Murphy and C. H. Apel. 2,505,687, Apr. 25.
Shield and ventilator for window screens, Storm. C. R. Risney. 2,498,095, Feb. 21.
Shield, Antiglare. D. E. MacLeod. 2,501,398, Mar. 21.
Shield, Antisplash. E. M. Warman. 2,508,808, May 23.
Shield, Breast. M. Abramson. 2,495,307, Jan. 24.
Shield can with spring attachment means. E. L. Johnson. 2,531,911, Nov. 28.
Shield, Collimating. R. D. Watt and W. N. Watson. 2,533,701, Dec. 12.
Shield, Combined dust-ridding and sand-reclaiming. A. A. Dick. 2,520,627, Aug. 29.
Shield construction, Dress. L. H. Rand. 2,516,800, July 25.
Shield, Cultivator. D. T. Wright. 2,513,543, July 4.
Shield, Detachable auxiliary lens. W. C. Ehlert and F. J. Schneider, Jr. 2,516,764, July 25.
Shield disconnect, Ignition. E. Medvetz. 2,494,666, Jan. 17.
Shield, Dress. L. D. Berle. 2,497,843, Feb. 21.
Shield, Electrical. W. L. Carlson. 2,512,737, June 27.
Shield, Face and eye. W. Evans. 2,509,680, May 30.
Shield, Fender. G. W. Schatzman. 2,530,402, Nov. 21.
Shield, Finger. J. J. Smidl. 2,514,975, July 11.
Shield, Fingernail. L. A. Cummings. 2,501,211, Mar. 21.
Shield, Fireplace. J. T. Viggiano. 2,515,576, July 18.
Shield, Foot. J. J. Boughey. 2,523,494–5, Sept. 26.
Shield for agricultural implements. B. M. Surratt. 2,503,079, Apr. 4.
Shield for C-clamps, Spatter. O. F. Potts. 2,528,666, Nov. 7.
Shield for camera lenses and filters, Extensible and retractable. J. H. Rogers. 2,498,581, Feb. 21.
Shield for electric outlets, Safety. H. W. Hooser. 2,516,464, July 25.
Shield for electromagnets. R. F. Willis. 2,529,440, Nov. 7.
Shield for electron discharge devices, Leakage minimizing. G. F. Devine. 2,497,660, Feb. 14.
Shield for frying pans and the like, Splatter. V. R. Drum. 2,498,534, Feb. 21.
Shield for hearing aids, Noise. G. A. Mitchell. 2,504,342, Apr. 18.
Shield for ironing machines. Y. T. Kee. 2,496,544, Feb. 7.
Shield for men's undergarments, Waterproof. J. J. Paige. 2,495,863, Jan. 31.
Shield for metal backed television tubes, Insulated. R. A. Fisch. 2,503,813, Apr. 11.
Shield for microphones, Noise. C. T. Morrow. 2,508,581, May 23.
Shield for oscilloscopes, television receivers, and the like, Light. J. K. Rose. 2,496,752, Feb. 7.
Shield for protecting stockings, Splash. A. J. Ralenkotter. 2,503,766, Apr. 11.
Shield for skillets and the like, Grease. H. E. De Ment and H. L. Wisnasky. 2,496,121, Jan. 31.
Shield for spectacles, sunglasses, or the like, Nose. S. N. Gillman and J. Dee. 2,519,561, Aug. 22.
Shield for stepladders, Shin. T. D. Wilson. 2,518,107, Aug. 8.
Shield for switchgear enclosures. G. L. Claybourn and G. G. Gernhardt. 2,523,095, Sept. 19.
Shield for trouble lamp guards, Adjustable light. C. E. Van Duzer. 2,510,001, May 30.
Shield for well logging instruments. D. Silverman. 2,495,781, Jan. 31.
Shield, Garment collar lining. R. M. Johnson. 2,514,646, July 11.
Shield, Garment hanger. W. R. Kohl and A. L. Iverson. 2,535,685, Dec. 26.
Shield, Glare. K. M. Keck. 2,511,590, June 13.
Shield, Gutter. E. Probst. 2,526,271, Oct. 17.
Shield, Hand and finger. J. Wagner. 2,497,749, Feb. 14.
Shield, Lens. E. Craig. 2,511,329, June 13.
Shield, Lighter. F. A. Ward. 2,494,322, Jan. 10.
Shield or guard, Bosom. J. Peiser and M. Cooper-Smith. 2,505,720, Apr. 25.
Shield, Painting. E. Belschner. 2,497,715, Feb. 14.
Shield, Power shaft. D. L. Punsky. 2,514,089, July 4.
Shield, Spark plug. A. H. Cadman. 2,522,019, Sept. 12.
Shield structure, Fender. G. W. Schatzman. 2,500,207, Mar. 14
Shield, Sun. P. H. Houston. 2,530,881, Nov. 21.
Shield, Swimming pool. H. Law. 2,517,393, Aug. 1.
Shield, Ventilator drip. L. A. Werner. 2,507,287, May 9.
Shield, Warning light. J. D. Kennelly. 2,509,438, May 30.
Shield with slide fastener, Electrical. S. Tierney, Jr. 2,522,072, Sept. 12.
Shielded high-frequency cable. E. A. J. Mol. 2,503,834, Apr. 11.
Shielded ignition cable. L. M. Wittlinger. 2,520,705, Aug. 29.
Shielded ultra high frequency cathode-ray tube. S. J. Koch and R. E. Rutherford. 2,531,278, Nov. 21.
Shielding arrangement. C. Butt. 2,512,138, June 20.
Shielding arrangement for magnetic sound apparatus. O. K. Kolb and E. O. Smith. 2,518,556, Aug. 15.
Shielding for electric discharge tubes. F. Prakke. 2,517,023, Aug. 1.
Shift control for automatic changespeed transmissions. O. H. Banker. 2,518,269, Aug. 8.
Shift keying channeling, Frequency. H. E. Goldstine. 2,511,204, June 13.
Shift mechanism. B. W. Keese. 2,521,730, Sept. 12.
Shift mechanism for accordions. T. Bugari. 2,527,912. Oct. 31.
Shifter attachment, Kick. F. G. Correll. 2,498,914, Feb. 28.
Shifter, Automobile gear. D. V. Abey. 2,512,907, June 27.
Shifter, Belt. M. Leach. 2,499,273, Feb. 28.
Shifting device for numbering machines. C. A. Johansson. 2,523,765, Sept. 26.
Shifting device, Knee operated. W. A. Andres. 2,529,442, Nov. 7.
Shifting mechanism for belt drives. J. Doiron. 2,525,257, Oct. 10.
Shingle and strip, Metal. A. Alvarez, Jr. 2,535,620, Dec. 26.
Shingle, Composition. H. W. Greider and W. V. Leibrook. 2,533,364, Dec. 12.
Shingling and rock lathing tool. A. J. Crookston. 2,500,629, Mar. 14.
Ship-retarding system or device. A. P. Jackson. 2,511,065, June 13.
Ship salvaging apparatus. J. A. Ryberg. 2,526,973, Oct. 24.
Shipment of calcium chloride in tank cars. H. D. Loss. 2,505,194, Apr. 25.
Shipper mechanism. E. A. Mastriani. 2,533,130, Dec. 5.
Shipping and display box. R. J. Cody. 2,517,767, Aug. 8.
Shipping and display box. R. J. Cody. 2,524,516, Oct. 3.
Shipping and display box. R. J. Cody. 2,529,595, Nov. 14.
Shipping and display device, Combined bottle. G. C. Hilton. 2,505,399, Apr. 25.

Shipping case. P. Baar and A. J. Boeve, Sr. 2,512,819, June 27.
Shipping case. A. B. Brenner. 2,532,083, Nov. 28.
Shipping case. A. Ross. 2,535,233, Dec. 26.
Shipping caustic soda liquors. O. Kay. 2,526,878, Oct. 24.
Shipping container. W. L. Morrison. 2,516,405, July 25.
Shipping container. R. A. Norbom. 2,513,737, July 4.
Shipping container. S. H. Robinson. 2,523,145, Sept. 19.
Shipping container. R. B. Smith. 2,531,792, Nov. 28.
Ship's cargo loading gear. T. D. Bowes. 2,512,477, June 20.
Ship's compass mounting. E. E. Stipsky. 2,493,043, Jan. 3.
Ship's log. E. S. Cole. 2,533,998, Dec. 12.
Shirt. G. Augusto. 2,517,271, Aug. 1.
Shirt. J. Werber. 2,526,785, Oct. 24.
Shirt collar support. F. G. Duggan. 2,521,970, Sept. 12.
Shirt collar support. W. R. Kohl and A. L. Iverson. 2,519,380, Aug. 22.
Shirt construction. M. D. Taylor. 2,494,496, Jan. 10.
Shirt or jacket, Sport. F. W. Bryant. 2,502,921, Apr. 4.
Shirt package and making the same. R. Adams. 2,522,979, Sept. 19.
Shirt, Sport. E. G. Amsler, Jr. 2,506,850, May 9.
Shirts for men, Construction of. E. M. Roseen. 2,497,630, Feb. 14.
Shoal water indicator. R. Liss. 2,507,986, May 16.
Shock absorbent coupling. M. W. Gredell. 2,514,051, July 4.
Shock absorber. F. E. Bachman. 2,527,980, Oct. 31.
Shock absorber. A. E. Dentler. 2,524,893, Oct. 10.
Shock absorber. J. E. Fleming. 2,493,739, Jan. 10.
Shock absorber. M. Funkhouser. 2,498,802, Feb. 28.
Shock absorber. M. H. Hollingsworth. 2,520,406, Aug. 29.
Shock absorber. J. H. Link. 2,494,768, Jan. 17.
Shock absorber. J. Mercier. 2,496,952, Feb. 7.
Shock absorber. W. G. Patriquin. 2,507,266–8, May 9.
Shock absorber. E. F. Rossman. 2,500,708, Mar. 14.
Shock absorber. E. F. Rossman. 2,519,605, Aug. 22.
Shock absorber. E. F. Rossman. 2,527,034, Oct. 24.
Shock absorber. W. J. Schupner. 2,525,317, Oct. 10.
Shock absorber. C. E. Tack and F. E. Bachman. 2,531,368, Nov. 21.
Shock absorber. W. K. Wasdell. 2,503,143, Apr. 4.
Shock absorber and accelerator. A. A. Danielsen and A. P. Schleret. 2,534,248, Dec. 19.
Shock absorber, Compensating. R. Cortés. 2,523,819, Sept. 26.
Shock absorber construction. E. L. Beecher. 2,497,972, Feb. 21.
Shock absorber, Door. V. A. Kresheck. 2,524,980, Oct. 10.
Shock absorber for railway car truck springs, Friction. S. B. Haseltine. 2,512,016, June 20.
Shock absorber for railway car trucks. G. E. Dath. 2,534,418–19, Dec. 19.
Shock absorber for railway car trucks. H. Fuchs. 2,534,433, Dec. 19.
Shock absorber for railway car trucks, Friction. G. E. Dath. 2,535,198, Dec. 26.
Shock absorber for railway car trucks, Friction. R. J. Olander. 2,511,173, June 13.
Shock absorber for wheel pullers. C. K. Cook. 2,504,393, Apr. 18.
Shock absorber, Friction. G. E. Dath. 2,507,760, May 16.
Shock absorber, Friction. A. E. Dentler. 2,495,920–2, Jan. 31.
Shock absorber, Friction. S. B. Haseltine. 2,514,574, July 11.
Shock absorber, Hydraulic. G. E. Ezbelent. 2,512,269, June 20.
Shock absorber, Liquid. A. Kraak 2,504,424, Apr. 18.
Shock absorber, Oil well. G. A. Alviset. 2,506,188, May 2.
Shock absorber structure, Hydraulic. G. M. Magrum and B. E. O'Connor. 2,516,781, July 25.
Shock-absorbing bearing. H. Colomb. 2,525,525, Oct. 10.
Shock absorbing device. R. Iredell, Jr. 2,502,322, Mar. 28.
Shock absorbing device, Pistol. R. Ferda. 2,497,350, Feb. 14.
Shock absorbing dolly block. F. T. Sargent. 2,518,073, Aug. 8.
Shock absorbing mechanism for railway draft riggings. G. E. Dath. 2,535,197, Dec. 26.
Shock absorbing mechanism, Friction. G. E. Dath. 2,506,707–08, May 9.
Shock absorbing mechanism, Friction. G. E. Dath. 2,510,277–8, June 6.
Shock absorbing mechanism, Friction. E. H. Lehman. 2,524,914, Oct. 10.
Shock absorbing method and apparatus for air pickup systems and the like. R. C. du Pont. 2,505,707, Apr. 25.
Shock-absorbing or fluid-pressure relieving apparatus. J. L. Cloudsley. 2,521,202, Sept. 5.
Shock absorbing strut. R. C. Bateman and M. M. Pflug. 2,511,237, June 13.
Shock absorbing unit. H. Siesholtz. 2,521,546, Sept. 5.
Shock absorbing webbing. E. A. Neff. 2,526,264, Oct. 17.
Shock and sway resisting overload spring. R. Tuck, T. E. Hughes, and A. U. Rigby. 2,493,172, Jan. 3.
Shockmount, Electrically bonded. R. J. Witkowski. 2,523,083, Sept. 19.
Shockproof dial indicator. E. M. Boat. 2,527,173, Oct. 24.
Shockproof holding device. C. D. Hayward. 2,495,633, Jan. 24.
Shock-resisting thermally-responsive device. J. Toth and G. J. Freese. 2,501,363, Mar. 21.
Shock strut. F. E. Bachman. 2,516,667, July 25.
Shock testing apparatus. G. Mackas. 2,496,298, Feb. 7.
Shoe. S. Israel. 2,501,522, Mar. 21.
Shoe. G. H. Mavrakis. 2,493,154, Jan. 3.
Shoe, Athletic. G. L. Pierce and N. H. Thorkelson. 2,506,559, May 2.
Shoe anchoring means, Brake. H. Porter. 2,528,707, Nov 7.
Shoe and making the same. F. L. Ayers. 2,520,301, Aug. 29.
Shoe and making the same. J. J. Walsh. 2,533,337, Dec. 12.
Shoe, Baby. H. G. Ferris. 2,522,505, Sept. 19.
Shoe bag. S. Scherba. 2,497,325, Feb. 14.
Shoe bag. D. B. Schwartzman and W. Jindella. 2,532,517, Dec. 5.
Shoe, Carbon graphite. R. O. Monroe and J. W. Hieronymus. 2,514,551, July 11.
Shoe-cleaning machine with reciprocating cleaning elements. P. L. Drake. 2,500,530, Mar. 14.
Shoe construction. J. P. Mantos. 2,497,175, Feb. 14.
Shoe construction. J. Meltzer. 2,495,590, Jan. 24.
Shoe construction. Y. Peretti and G. Caccivio. 2,495,820, Jan. 31.
Shoe construction and shank therefor, Platform. G. M. Damon. 2,505,706, Apr. 25.
Shoe construction, Welt-type wedge-heel. J. J. Hickey. 2,505,672, Apr. 25.
Shoe, Cushioned. N. Alianiello. 2,502,774, Apr. 4.
Shoe fitting device. H. M. Legg, Jr. 2,518,798, Aug. 15.
Shoe for blowtorch scarfing head. L. N. Herring. 2,493,820, Jan. 10.
Shoe for elevators, Roller guide. L. R. Rissler. 2,498,299, Feb. 21.
Shoe for hunting dogs. H. B. Davis. 2,535,394, Dec. 26.
Shoe for ladder legs, Extension. V. De Stefano. 2,517,771, Aug. 8.
Shoe for motor vehicle wheels, Nonskid emergency. E. Tower. 2,513,691, July 4.
Shoe for plaster casts, Half-. R. A. Holstrom. 2,509,821, May 30.
Shoe for reciprocating mowers, Inner. S. E. Hilblom. 2,513,938, July 4.
Shoe for rubbing machines, Abrasive. C. D. McCarthy. 2,505,683, Apr. 25.
Shoe form. D. Newhouse. 2,521,246, Sept. 5.
Shoe, Furniture leg. R. E. Miller. 2,513,193, June 27.
Shoe having detachable upper. F. V. Bryant, H. C. Bryant, and H. H. Harvey. 2,519,108, Aug. 15.
Shoe heel. J. W. Taylor. 2,535,102, Dec. 26.
Shoe jack. J. Checchia. 2,501,810, Mar. 28.
Shoelace package. F. A. Ryan. 2,519,706, Aug. 22.
Shoe last. W. H. Doherty. 2,507,505, May 16.
Shoe last. H. T. Michals and O. N. Eisendrath. 2,534,048, Dec. 12.
Shoe machine. A. R. Morrill. 2,503,166, Apr. 4.
Shoe machine. A. R. Morrill. 2,512,436, June 20.
Shoe machine. A. R. Morrill. 2,529,095, Nov. 7.
Shoemaking. V. L. Kneeland. 2,499,510, Mar. 7.
Shoemaking apparatus. R. W. Bradley and C. Juhola. 2,528,492, Nov. 7.
Shoemaking apparatus. R. W. Bradley and R. C. Wildman. 2,528,491, Nov. 7.
Shoemaking apparatus. I. Galper. 2,498,541, Feb. 21.
Shoe molded to shape of foot. F. Sherwin and A. A. Benson. 2,530,737, Nov. 21.
Shoe, Open heel. G. V. Leonard. 2,522,681, Sept. 19.
Shoe, Orthopedic. O. J. Howe. 2,505,773, May 2.
Shoe part blank and making, Leather. G. F. Ryan. 2,529,818, Nov. 14.
Shoe press. S. J. Finn. 2,497,161, Feb. 14.
Shoe press. S. J. Finn. 2,502,620, Apr. 4.
Shoe, Propeller blade deicing. G. B. Speir and D. Wehrle. 2,503,457, Apr. 11.
Shoe rack. A. S. Darby. 2,509,336, May 30.
Shoe, Rod weeder bearing. C. C. Calkins. 2,514,442, July 11.
Shoe, Rubbing. R. J. Champayne. 2,521,689, Sept. 12.
Shoe shaper. E. E. Shurtz. 2,513,372, July 4.
Shoe shaping machine. K. Engel. 2,502,513, Apr. 4.
Shoe, Sheet metal downspout. M. Rachlin. 2,504,448, Apr. 18.
Shoe shiner with movable shoe polish applying receptacle, Electric. V. E. Taylor. 2,493,426, Jan. 3.
Shoe shining machine. H. J. Robers. 2,523,522, Sept. 26.
Shoe skate and stop assembly. E. J. Wall. 2,508,980, May 23.
Shoe sling back strap support. R. W. Floro. 2,497,720, Feb. 14.
Shoe sole conditioning cutter. J. H. Kelly and H. H. Teal. 2,503,951, Apr. 11.
Shoe straightening device. M. Goldsberry. 2,519,244, Aug. 15.

Shoe structure. H. L. Pierson. 2,521,252, Sept. 5.
Shoe structure for kinetographs, Pressure. L. W. Jedeka. 2,500,358, Mar. 14.
Shoe support. W. G. Persinger. 2,530,537, Nov. 21.
Shoe tree. O. J. Britton. 2,517,967, Aug. 8.
Shoe tree. V. H. Minton. 2,501,285, Mar. 21.
Shoe tree. J. B. Mutch. 2,513,664, July 4.
Shoe tree. H. C. Vining. 2,503,227, Apr. 4.
Shoe tree. H. C. Vining. 2,518,261, Aug. 8.
Shoe-vamp blank. A. C. Engel. 2,496,783, Feb. 7.
Shoe vamp, Prepared molded. A. C. Engel. 2,496,782, Feb. 7.
Shoe, Ventilated ironing. D. A. Lundy. 2,507,029, May 9.
Shoe, Wedge heel. C. A. Cramer. 2,509,423, May 30.
Shoe, Wedgie type. T. E. Neal. 2,507,991, May 16.
Shoe with a filler. E. I. La Chapelle. 2,523,702, Sept. 26.
Shoe with adjustable foot-retaining means, Sandal type shower. A. L. Niccoli. 2,532,638, Dec. 5.
Shoe with binding having elastic and inelastic sections. M. E. Duckoff. 2,500,668, Mar. 14.
Shoe with channel members embedded in sole. H. A. Dadisman. 2,509,335, May 30.
Shoe with folded striated upper edge. K. A. Stritter. 2,522,646, Sept. 19.
Shoe with foxing strip. J. Glassman. 2,528,357, Oct. 31.
Shoe with inclined edge-stitching and making the same. D. E. Levin. 2,500,613, Mar. 14.
Shoe with interlaced vamp elements. H. H. Johnson. 2,534,975, Dec. 19.
Shoe with marginally-downturned sole. R. I. Barr. 2,535,560, Dec. 26.
Shoe with movable thonged upper. M. Shapiro. 2,507,120, May 9.
Shoe with sectional outsole and flexible insole. R. Hill. 2,522,515, Sept. 19.
Shoes, Making. A. M. Del Vecchio. 2,500,526, Mar. 14.
Shoes, Making slip-lasted. J. J. Walsh. 2,533,336, Dec. 12.
Shoes, Making track. C. W. Sinclair. 2,494,108, Jan. 10.
Shoes, Manufacture of. J. J. Brophy. 2,520,995, Sept. 5.
Shoes, Manufacture of. J. A. Hill. 2,518,547, Aug. 15.
Shoes, Manufacture of California type. W. F. Herlihy. 2,514,057, July 4.
Shoes, Manufacture of flexible sole. H. S. Lyness. 2,513,501, July 4.
Shoes, Manufacturing. A. Atlas. 2,526,926, Oct. 24.
Shoes to be used on skis. J. Lehmkuhl. 2,498,085, Feb. 21.
Shoes with a counter cover element, Making slip-lasted. J. Meltzer. 2,493,497, Jan. 3.
Shooting apparatus, Practice. E. L. Dale. 2,510,382, June 6.
Shopping bag. J. Jura. 2,523,217, Sept. 19.
Shopping bag. V. J. Marsico and J. R. Protomastro. 2,510,186, June 6.
Shopping bag. L. Mintzes. 2,532,778, Dec. 5.
Shopping bag. J. F. Spahr. 2,531,954, Nov. 28.
Shopping bag carrier. H. E. Herbert and F. A. Notterman. 2,519,186, Aug. 15.
Shore. A. Negovan. 2,533,174, Dec. 5.
Shore, Adjustable. W. H. Kenney and F. C. Newburg. 2,535,141, Dec. 26.
Short circuiter for repulsion-induction electric motors. J. Leflar. 2,502,463, Apr. 4.
Shortstopping of synthetic rubber latex polymerization. W. E. Messer, V. C. Neklutin, and J. A. Reynolds. 2,521,077, Sept. 5.
Shortener. B. Livingston. 2,521,589, Sept. 5.
Shortening. E. B. Jaeger. 2,508,393, May 23.
Shortening. G. C. North, A. J. Alton, and W. C. Brown. 2,520,954, Sept. 5.
Shortening agent. G. Barsky. 2,509,414, May 30.
Shorting system for radio coils. J. L. Bowden. 2,493,746, Jan. 10.
Shorts, Men's. T. Formichella. 2,494,169, Jan. 10.
Shoulder pad. A. M. Dee. 2,532,059, Nov. 28.
Shoulder pad. I. S. Jacques. 2,497,992, Feb. 21.
Shoulder pad. H. Lopato. 2,530,392–3, Nov. 21.
Shoulder pad. R. G. Mack. 2,509,159, May 23.
Shoulder pad. H. A. Owen. 2,527,844, Oct. 31.
Shoulder pad. R. B. Perry. 2,522,688, Sept. 19.
Shoulder pad. W. Riedler and B. Mechur. 2,523,720, Sept. 26.
Shoulder pad. A. N. Spanel. 2,495,028, Jan. 17.
Shoulder pad. F. B. Zacks. 2,497,808, Feb. 14.
Shoulder pad construction. E. D. Gerry. 2,534,513, Dec. 19.
Shoulder pad for garments. R. D. Cohen. 2,526,808, Oct. 24.
Shoulder-supported flashlight holder. S. P. Sadloski and P. Checkowitz. 2,506,685, May 9.
Shovel and fork attachment for tractors, Power. F. F. Werth. 2,518,105, Aug. 8.
Shovel and loader, Power. R. Heath. 2,527,928, Oct. 31.
Shovel attachment for tractors, Side-delivery. R. E. Boulton. 2,514,622, July 11.
Shovel, Cleanout. C. L. Anderson. 2,495,802, Jan. 31.
Shovel, Hydraulic snow. P. Thomas. 2,498,144, Feb. 21.
Shovel loader, Hydraulic power. H. M. Stueland. 2,534,886, Dec. 19.
Shovel, Portable. A. J. McLoughlin. 2,520,606, Aug. 29.
Shovel, Snow. E. H. Bickley. 2,521,441, Sept. 5.
Shovel toy, Foot pedal operated. A. S. Byrne. 2,523,093, Sept. 19.
Shovel with auxiliary handle. R. G. Lubins. 2,531,227, Nov. 21.
Shoveling machine, Mechanical. M. W. Sherwood. 2,507,548, May 16.
Showcase having means for preventing condensation, Refrigerated. Adriano and Adolfo Tortorelli. 2,506,977, May 9.
Show stand display container. A. Hurndell. 2,512,546, June 20.
Shower, Adjustable. G. W. Daniel. 2,496,520, Feb. 7.
Shower and bathtub, Combined. N. S. Richardson. 2,508,970, May 23.
Shower and tub construction. E. D. Neely. 2,499,966, Mar. 7.
Shower bath flow control. C. Rinehimer. 2,527,852, Oct. 31.
Shower curtain holder. J. H. Jobe. 2,505,899, May 2.
Shower head. A. M. Moen. 2,529,223, Nov. 7.
Shower head. W. R. Thornton. 2,493,840, Jan. 10.
Shower head, Adjustable spray. J. Fraser. 2,534,549, Dec. 19.
Shower inclosure means, Portable. O. Endres. 2,500,350, Mar. 14.
Shredded metal holder. A. W. Walker. 2,529,434, Nov. 7.
Shredder and grater, Metal combined. N. K. Morris. 2,500,560, Mar. 14.
Shredder and grater, Rotary food. F. J. Stollsteimer. 2,504,900, Apr. 18.
Shredder for both leafy and stalky vegetables, Kitchen. C. R. de Nardis and J. J. Albin. 2,496,780, Feb. 7.
Shredder having stationary blades, Corn. A. H. Calkins. 2,521,115, Sept. 5.
Shredder, Vegetable. P. S. Moyer. 2,501,687, Mar. 28.
Shrinkproofing baths containing butadiene copolymers and their utilization, Wool. J. B. Rust. 2,514,517, July 11.
Shrink-proofing wool and woolen fabrics. E. N. Angus, J. W. Creely and R. M. Fischer. 2,522,338, Sept. 12.
Shrinking stretched cellulose acetate fibers with diethyl ketone. D. Finlayson and A. W. M. Cooke. 2,515,402, July 18.
Shuffleboard bowling pin. F. L. Lynn. 2,495,465, Jan. 24.
Shuffleboard weight position indicator. M. J. Harbeck. 2,498,547, Feb. 21.
Shutdown system for oil burners. R. B. Plass. 2,494,778, Jan. 17.
Shutoff control for plural pilot gaseous fuel burner systems, Safety. E. Witzel. 2,527,286, Oct. 24.
Shutoff device, Emergency. R. Sheppard. 2,497,695, Feb. 14.
Shutoff for automatic sprinklers. A. O. Wells and V. F. Kirchoff. 2,520,588, Aug. 29.
Shutoff for oil treaters, Safety. E. R. Williams. 2,520,820, Aug. 29.
Shutter and lens system for high-speed color cameras. R. Thomas. 2,530,793, Nov. 21.
Shutter, Automatic window. A. Hamilton. 2,506,829, May 9.
Shutter cam driving means and control therefor. F. P. Willcox. 2,527,780, Oct. 31.
Shutter closure, Transparent. G. K. Smith. 2,505,155, Apr. 25.
Shutter dissolve in slide projectors. S. Johanson. 2,519,251, Aug. 15.
Shutter for attachment to motion-picture cameras, Fade-out. A. G. Bak. 2,533,909, Dec. 12.
Shutter for cameras, Direct-acting. C. C. Fuerst. 2,524,786, Oct. 10.
Shutter for high-pressure metal vapor lamps, Simmering. J. B. S. Smyth. 2,531,924, Nov. 28.
Shutter for motion-picture apparatus. L. T. Askren. 2,529,896, Nov. 14.
Shutter for moving picture projectors, Film controlled automatic safety. L. Mannon. 2,512,030, June 20.
Shutter for picture projectors, Safety. A. S. Dearborn. 2,504,966, Apr. 25.
Shutter for use in building constructions. B. A. Fama. 2,535,277, Dec. 26.
Shutter having a pivoted blade and cover blind, Photographic. J. A. Henne. 2,493,195, Jan. 3.
Shutter-leaf control, Two-blade. H. T. Hodges. 2,525,549, Oct. 10.
Shutter mechanism. J. F. Jordan. 2,506,599, May 9.
Shutter mechanism, Camera. M. N. Fairbank and S. B. Whittier. 2,531,936, Nov. 28.
Shutter, Multiple blade light interrupting. D. R. Andrews. 2,513,702, July 4.
Shutter, Two-blade setting type. C. C. Fuerst. 2,507,149, May 9.
Shutter, Window. F. W. and E. O. Bopp. 2,524,372–3, Oct. 3.
Shutters of curtain type, Focal-plane. A. P. Svensson. 2,526,432, Oct. 17.
Shuttle. T. B. Mortimer. 2,535,806, Dec. 26.
Shuttle binder box. W. R. Taylor, Jr. 2,498,970, Feb. 28.
Shuttle binder for looms. J. T. Kennedy. 2,527,066, Oct. 24.
Shuttle box mechanism for weft replenishing looms. C. R. Kronoff. 2,528,150, Oct. 31.
Shuttle car. A. L. Lee. 2,507,341, May 9.

Shuttle changing means for weaving looms, Automatic. E. A. Butin. 2,493,570, Jan. 3.
Shuttle check, picking mechanism, and parallel motion for looms. G. Crompton, Jr. 2,525,776, Oct. 17.
Shuttle checking device for looms. A. Zarn. 2,498,022, Feb. 21.
Shuttle drive mechanism. B. J. Goldsmith. 2,511,773, June 13.
Shuttle eye block. A. P. Gavriluk. 2,520,311, Aug. 29.
Shuttle feeler mechanism. J. C. Todd. 2,508,807, May 23.
Shuttle-holding and mounting mechanism for sewing and quilting machines. K. Schlegel. 2,529,969, Nov. 14.
Shuttle loom, Continuous path gripper. V. Werner and K. Kubelka. 2,493,515, Jan. 3.
Shuttle, Narrow ware. G. D. Johnson. 2,515,653, July 18.
Shuttle position detector mechanism. J. M. Tuten. 2,497,281, Feb. 14.
Shuttle, Rug. H. E. Kanehl. 2,507,907, May 16.
Shuttle, Self-threading. S. I. Bright. 2,493,568, Jan. 3.
Shuttle, Weft detecting. F. Daniels. 2,493,114, Jan. 3.
Sickle bar attachment. W. C. Haefner. Re. 23,269, Sept. 19.
Sickle bar lifter. J. H. Walling. 2,505,445, Apr. 25.
Sickle mower, Power-operated. B. F. Gravely. 2,515,343, July 18.
Sickle mower, Rotary. G. W. Davis. 2,530,684, Nov. 21.
Side bearing. E. H. Blattner. 2,515,853, July 18.
Sidecar for bicycles. G. B. Hill. 2,494,707, Jan. 17.
Side delivery rake mounting. H. L. Crose. 2,531,934, Nov. 28.
Side delivery truck tank. S. D. Hopper. 2,530,613, Nov. 21.
Side for folding cribs, Drop. H. M. Shealey. 2,524,483, Oct. 3.
Side frame bracket. J. E. Flesch and E. G. Opsahl. 2,508,020, May 16.
Side plate and post for railway cars. J. S. Swann. 2,509,995, May 30.
Side rest iron. M. H. Graham and J. N. Polivka. 2,499,915, Mar. 7.
Side take-off for air conveyers. H. A. Browne and C. W. Shea. 2,527,394, Oct. 24.
Sidetone correction winding in telephone receiver. G. Dal Monte. 2,535,903, Dec. 26.
Sidewall coring tool. C. O. Denning and J. R. Yancey. 2,494,932, Jan. 17.
Side wall coring tool. C. O. Denning and J. R. Yancey. 2,510,386, June 6.
Siding. H. Abraham. 2,519,950, Aug. 22.
Siding and the like and its manufacture, Insulating. M. G. O'Reilly. 2,512,371, June 20.
Siding form. P. L. Furst. 2,510,810, June 6.
Sieve or grid for kitchen sinks. I. Vinokor. 2,518,205, Aug. 8.
Sifter. F. R. Chester. 2,507,960, May 16.
Sifter attachment for electric motors, Flour. O. C. Bond. 2,521,034, Sept. 5.
Sifter closure for powder boxes. R. Nyden, and H. K. Dickerman. 2,526,397, Oct. 17.
Sifter, Flour. W. C. Sweet. 2,525,734, Oct. 10.
Sifter, Gyratory. P. M. Thompson. 2,511,885, June 20.
Sifter, High-speed. P. M. Thompson. 2,500,966, Mar. 21.
Sifter, Two-position bench. C. A. Schroeder. 2,517,508, Aug. 1.
Sifter with reciprocating agitator, Flour. F. R. Chester. 2,507,500, May 16.
Sight for firearms. L. J. Pease. 2,498,706, Feb. 28.
Sight for firearms, Adjustable rear. J. C. Garand. 2,531,421, Nov. 28.
Sight for moving targets. L. Mackta. 2,526,677, Oct. 24.
Sighting device, Instructional target. R. E. Paige. 2,510,413, June 6.
Sign: *See*—
- Adhesive display sign.
- Alternately operated changeable sign.
- Animated sign.
- Changeable sign.
- Display sign.
- Edge lighted sign.
- Electric sign.
- High-frequency activated neon sign.
- Illuminated sign.
- Interchangeable illuminated letter sign.
- Luminant sign.
- Luminous sign.
- Mirror display sign.
- Multiangular reflector sign.
- Phosphorescent panel sign.
- Stop sign.

Sign. W. C. Craver. 2,501,759, Mar. 28.
Sign and burglar alarm signal, Combined. J. R. Davidson. 2,518,979, Aug. 15.
Sign apparatus, Illuminated. H. C. Hammer. 2,499,063, Feb. 28.
Signboard, Illuminated. B. L. Padgett. 2,515,664, July 18.
Sign construction. J. A. Howenstine. 2,505,673, Apr. 25.
Sign device, Illuminated changeable. G. L. Castillon. 2,530,044, Nov. 14.
Sign display frame. W. A. Eckhardt. 2,533,778, Dec. 12.
Sign display, Tire. E. J. Kies. 2,517,884, Aug. 8.
Sign elements and circuit, Neon. M. Weincord. 2,519,302, Aug. 15.
Sign for elevator cars, Directory. D. Merker and M. J. Brounn. 2,518,920, Aug. 15.
Sign for house numbers and the like. T. J. Bennett. 2,515,818, July 18.
Sign for stacked merchandise, Display. M. D. S. Johnson. 2,498,956, Feb. 28.
Sign head. H. C. Pfaff, Jr. 2,519,928, Aug. 22.
Sign holder for vehicles, Advertising. G. J. Bruns. 2,504,639, Apr. 18.
Sign letter. A. H. Marsh. 2,524,294, Oct. 3.
Sign letter. J. T. Miller. 2,534,467, Dec. 19.
Sign structure. J. A. Howenstine. 2,530,525, Nov. 21.
Sign with edge-illuminated letters, Illuminated. R. V. Dixon. 2,517,095, Aug. 1.
Sign with interchangeable sign elements, Illuminated. L. R. Tschopp. 2,532,651, Dec. 5.
Signal: *See*—
- Bendable film spool signal.
- Customer's signal.
- Fast acting stop signal.
- Flasher type traffic signal.
- Gas-operated sound signal.
- Illuminated football down signal.
- Model railroad signal.
- Polychrome beam light signal.
- Portable electrical highway signal.
- Subscriber telephone set double connection signal.
- Traffic signal.
- Vehicle direction signal.
- Vehicle turn indicator signal.

Signal actuating means, Vehicle. M. McMahon. 2,506,374, May 2.
Signal and advertising device, Combined pedestrian traffic. J. S. Allen. 2,503,574, Apr. 11.
Signal and extensible flag, Classification. L. G. Buckner, Jr. 2,518,280, Aug. 8.
Signal and guard, Combined traffic. J. E. Hawley. 2,498,270, Feb. 21.
Signal and trouble lamp, Combination warning. W. M. and D. W. F. Cox. 2,496,618, Feb. 7.
Signal and utility box, Combined road. J. E. Le Duc. 2,517,119, Aug. 1.
Signal code translator. H. A. Miloche. 2,528,161, Oct. 31.
Signal comparing system. J. I. Heller. 2,525,675, Oct. 10.
Signal comparison system. H. G. Busignies. 2,509,207, May 30.
Signal compression circuit. W. W. Moe. 2,517,586, Aug. 8.
Signal control structure. F. C. Williams. 2,506,983, May 9.
Signal control system, Error. R. D. McCoy. 2,511,863, June 20.
Signal control system, Traffic. W. C. Pennell. 2,531,153, Nov. 21.
Signal converter for multisignal transmission systems. J. F. Brinster and J. Larsen. 2,533,552, Dec. 12.
Signal correction system, Amplitude modulation. J. H. Hammond, Jr. 2,501,330, Mar. 21.
Signal device. H. L. Berry. 2,493,437, Jan. 3.
Signal device. M. B. Bowman, Jr. 2,521,280, Sept. 5.
Signal device, Clogged filter. E. M. Greer. 2,499,494, Mar. 7.
Signal device for game pieces. W. A. Braun. 2,511,147, June 13.
Signal device for telephones, Sound actuated. H. C. Rowe. 2,506,279, May 2.
Signal device for vehicles. R. A. Rodrick. 2,526,611, Oct. 17.
Signal device for vehicles, Safety. M. A. Blasingame. 2,517,173, Aug. 1.
Signal device, Road. A. P. Sauer. 2,525,728, Oct. 10.
Signal device, Voice frequency. W. M. Barker and R. H. Bechtold. 2,516,361, July 25.
Signal-equipped container. O. E. Hotzler and W. E. Schultz. 2,494,944, Jan. 17.
Signal expansion or compression. G. K. Graham. 2,495,809, Jan. 31.
Signal for counters, Shielded service. K. S. Trenholm. 2,496,073, Jan. 31.
Signal for crowning machines, Warning. J. E. Anglo. 2,498,193, Feb. 21.
Signal for hydraulic brakes, Warning. E. J. Cleary. 2,520,237, Aug. 29.
Signal for mailboxes. B. J. Fabis. 2,498,260, Feb. 21.
Signal for motor vehicles, Safety. C. O. Badgett. 2,506,330, May 2.
Signal for newspaper delivery boxes. W. S. Shaw. 2,496,962, Feb. 7.
Signal for railways, Torpedo. W. R. Gracey, Jr. 2,507,004, May 9.
Signal for telephone substations, Delayed audible call. S. B. Kent. 2,531,221, Nov. 21.
Signal for vehicle radiators, Overheating warning. G. A. Bremeier. 2,509,474, May 30.
Signal for vehicles, Traffic. E. D. Hines. 2,503,336, Apr. 11.
Signal gating system. R. E. Schock. 2,504,884, Apr. 18.
Signal generator. R. B. Haner. 2,498,809, Feb. 28.
Signal generator. B. D. Loughlin. 2,495,938, Jan. 31.
Signal generator. W. J. O'Brien. 2,524,677, Oct. 3.
Signal intensity responsive gaseous discharge device gate. W. Lyons. 2,503,958, Apr. 11.
Signal light projection device. H. Porter. 2,500,201, Mar. 14.
Signal maintaining circuit. A. P. Montgomery. 2,503,835, Apr. 11.
Signal manifesting and/or repeating equipment common to a group of code signal originating circuits. C. E. Beach. 2,498,639, Feb. 28.

Signal mechanism, Motion-picture reel end. L. Cohen and S. R. Rahn. 2,493,340, Jan. 3.
Signal operator, Directional. J. R. Hollins. 2,525,033, Oct. 10.
Signal program system, Visual. T. R. Welch. 2,507,744, May 16.
Signal provision for locks. J. L. Smith and D. L. Harding. 2,519,940, Aug. 22.
Signal pulse responsive facsimile receiving system. N. H. Young, Jr. 2,516,936, Aug. 1.
Signal receiving apparatus. E. H. Weber, Jr. 2,494,323, Jan. 10.
Signal receiving system, Panoramic. E. I. Green. 2,530,693, Nov. 21.
Signal reflecting prism and altitude ring suppressor, Supersonic radar trainer. W. H. Baker. 2,510,947, June 13.
Signal relay switch. J. Mevorach. 2,525,930, Oct. 17.
Signal responsive system. G. C. Hess. 2,532,307, Dec. 5.
Signal responsive to current-passage time. E. G. Krakauer. 2,518,909, Aug. 15.
Signal-seeking receiver. R. A. Gull. 2,499,858, Mar. 7.
Signal-seeking receiver. R. A. Gull. 2,506,869, May 9.
Signal storage circuit. G. L. Bush. 2,534,544, Dec. 19.
Signal system, Automobile. P. J. Kolich. 2,515,717, July 18.
Signal system, Carrier current. M. Morrison. 2,501,574, Mar. 21.
Signal system, Carrier wave. L. Katchatouroff and M. A. Lalande. 2,510,117, June 6.
Signal system, Carrier wave. A. L. Matte. 2,502,971, Apr. 4.
Signal system, Elevator control. H. A. Deibele. 2,523,359, Sept. 26.
Signal system, Motorcar. R. S. Coombs. 2,513,712, July 4.
Signal translating apparatus. H. P. Kalmus and R. L. Price. 2,516,392, July 25.
Signal transmission system. R. D. Kell and G. C. Sziklai. 2,506,672, May 9.
Signal transmitting apparatus with coding wheels. G. Beccio. 2,512,734, June 27.
Signal transmitting station, Variable. C. E. Beach. 2,533,344, Dec. 12.
Signal unit for telephone conversation recorders. E. S. Peterson. 2,530,075, Nov. 14.
Signaling and elimination of defective circuits. L. Heidmann. 2,519,467, Aug. 22.
Signaling apparatus, Coded. B. E. O'Hagan and P. N. Martin. 2,505,988, May 2.
Signaling apparatus, Coded. C. E. Staples. 2,496,607, Feb. 7.
Signaling apparatus, Coded. H. A. Thompson. 2,499,202, Feb. 28.
Signaling apparatus for automobiles. M. N. Stollery. 2,498,307, Feb. 21.
Signaling apparatus, Submarine. J. T. Beechlyn. 2,511,689, June 13.
Signaling device. H. N. Carver. 2,520,236, Aug. 29.
Signaling device. L. E. Chilson. 2,495,698, Jan. 31.
Signaling device. L. Christopher. 2,493,112, Jan. 3.
Signaling device. J. H. McDowell. 2,520,219, Aug. 29.
Signaling device. A. J. Parissi. 2,512,775, June 27.
Signaling device, Acoustic. B. Molteni and L. Gerletti. 2,527,371, Oct. 24.
Signaling device, Code. R. L. M. Le Quéau. 2,517,578, Aug. 8.
Signaling device covered with waterproof vibration damping shield, Submarine. C. W. Mell, E. C. Ballentine, and J. V. O'Neill. 2,496,060, Jan. 31.
Signaling device for automobiles. C. R. and H. F. Holcomb. 2,517,314, Aug. 1.
Signaling device for double track railway systems, Safety. S. L. Conrad. 2,533,768, Dec. 12.
Signaling device for fishing lines. E. Evans. 2,530,050, Nov. 14.
Signaling device for sound powered telephone systems. L. A. Cleaveland and F. H. Tooker. 2,502,824, Apr. 4.
Signaling device, Turn. L. R. Kubias. 2,521,857, Sept. 12.
Signaling device, Vibratory reed. W. J. Muldoon. 2,533,136, Dec. 5.
Signaling equipment only operative by two-voice frequencies, Selective. S. Van Mierlo. 2,535,104, Dec. 26.
Signaling means for electric irons. C. R. Schmidt. 2,527,767, Oct. 31.
Signaling means for telephone recording apparatus. R. M. Somers. 2,503,176, Apr. 4.
Signaling means for training devices. G. A. Decker. 2,493,228, Jan. 3.
Signaling means for typewriters, billing machines, and the like, Page end. F. S. Hassell, Jr. 2,505,769, May 2.
Signaling mechanism for drinking vessels. A. T. White. 2,509,851, May 30.
Signaling medium, Brake indicator. J. R. Hollins. 2,503,553, Apr. 11.
Signaling method and system, Secret carrier. K. L. King. 2,530,824, Nov. 21.
Signaling system. D. R. Goddard. 2,502,647, Apr. 4.
Signaling system. D. Mitchell. 2,505,566, Apr. 25.
Signaling system. J. A. Rankin, W. R. Alexander, and H. B. Deal. 2,505,574, Apr. 25.
Signaling system. W. L. Shafer. 2,535,872, Dec. 26.
Signaling system, Alternating current. T. F. S. Hargreaves. 2,498,680, Feb. 28.
Signaling system and apparatus, Selective. G. G. Keyes. 2,502,654, Apr. 4.
Signaling system and apparatus, Selective. W. J. Zenner. 2,505,728, Apr. 25.
Signaling system, Carrier current. L. G. Erickson. 2,497,593, Feb. 14.
Signaling system, Coded track circuit railway. A. L. Jerome. 2,507,717, May 16.
Signaling system, Combined facsimile and code. G. H. Ridings. 2,529,264, Nov. 7.
Signaling system, Electric. E. M. S. McWhirter, R. H. Dunn, and P. W. Lennox. 2,504,999, Apr. 25.
Signaling system, Electrical. W. Saville and P. N. Roseby. 2,498,899, Feb. 28.
Signaling system for drive-in theaters. D. G. Chakiris. 2,522,930, Sept. 19.
Signaling system for railroads, Coded track circuit. J. W. Curran. 2,499,728, Mar. 7.
Signaling system for railroads, Coded track circuit. N. D. Preston. 2,519,979, Aug. 22.
Signaling system for railroads, Coded track circuit. N. D. Preston. 2,522,892, Sept. 19.
Signaling system for single-track railroads. W. V. Grosjean. 2,503,728, Apr. 11.
Signaling system for special railway vehicles, Supplemental. W. V. Grosjean. 2,528,052, Oct. 31.
Signaling system for use in mine shafts. R. L. Rutherford. 2,505,144, Apr. 25.
Signaling system, Manually controllable coded track circuit. R. M. Gilson. 2,494,940, Jan. 17.
Signaling system, Multichannel. M. M. Levy. 2,513,947, July 4.
Signaling system, Multichannel. N. E. Lindenblad. 2,530,580, Nov. 21.
Signaling system, Multiplex high-frequency electrical pulse. P. K. Chatterjea and L. W. Houghton. 2,523,279, Sept. 26.
Signaling system, Pulse. M. G. Kaufman. 2,515,452, July 18.
Signaling system, Radio-wire. A. Ellett, G. E. Gustafson, and A. Cotsworth, III. 2,510,046, May 30.
Signaling system, Secrecy preserving. G. R. Clark. 2,521,690, Sept. 12.
Signaling system, Secret. C. E. Atkins. 2,530,140, Nov. 14.
Signaling system, Secret. C. E. Atkins. 2,530,142, Nov. 14.
Signaling system, Selective. A. E. Bachelet. 2,503,371, Apr. 11.
Signaling system, Selective. C. D. Hanscom. 2,531,624, Nov. 28.
Signaling system, Selective. J. M. Melick. 2,506,429, May 2.
Signaling system, Selective remote. L. Joly and L. C. Andrés. 2,512,652, June 27.
Signaling system, Station selector. C. A. Levin. 2,501,063, Mar. 21.
Signaling system, Vehicle speed and path. T. M. Ferrill, Jr. 2,493,755, Jan. 10.
Signaling unit construction, Liquid level. F. P. Scully. 2,531,950, Nov. 28.
Signals for automobiles, Directional. W. M. Wepfer, Jr. 2,508,630, May 23.
Signs, Forming. J. S. Harrison. 2,528,827, Nov. 7.
Signature hopper mechanism. P. E. Kleineberg. 2,532,626, Dec. 5.
Signature opening and depositing mechanism. A. A. Spisak. 2,507,281, May 9.
Silahydrocarbons and their preparation. L. H. Sommer. 2,507,551, May 16.
Silahydrocarbons, Difunctional. J. T. Goodwin, Jr. 2,507,520, May 16.
Silanes, Production of. D. B. Hatcher. 2,532,493, Dec. 5.
Silencer. E. H. Fundom. 2,514,998, July 11.
Silencer, Accordion keyboard. R. C. Entwistle and A. Chariott. 2,498,604, Feb. 21.
Silencer, Electric impulse transmitter pawl. W. T. Weidenman. 2,522,004, Sept. 12.
Silencer for internal-combustion engines, Air intake and exhaust. A. Blundell. 2,512,823, June 27.
Silencer for internal-combustion engines, Exhaust. E. E. Bryant. 2,520,756, Aug. 29.
Silencer for printing telegraph apparatus. R. F. Vee. 2,517,147, Aug. 1.
Silencer, including side branch chamber, Gun. R. Janz. 2,503,491, Apr. 11.
Silencer, Water-cooled. R. B. Bourne. 2,516,948, Aug. 1.
Silencer, Water separator. R. B. Bourne. 2,498,979, Feb. 28.
Silencer with elongated pipe connecting plural chambers. F. M. Stephens. 2,501,794, Mar. 28.
Silencer with flat semicylindrical expansion chamber. P. E. Bessière. 2,501,306, Mar. 21.
Silencer with plural lateral inlets and outlets, Manifold. R. B. Bourne and A. E. Chase. 2,513,229, June 27.
Silencer with plural passages, Air-cooled. E. Wynn. 2,535,660, Dec. 26.
Silencing diaphragms on cylinder covers for fluid motor mechanisms. E. E. Sivacek. 2,511,181, June 13.
Silent electric switch. L. Mannon. 2,531,452, Nov. 28.

Silica-alumina catalyst, Preparation of. W. A. Pardee and G. E. Elliott, Jr. 2,493,896, Jan. 10.
Silica-alumina-magnesia catalyst, Preparation of a. E. S. Corner and K. K. Kearby. 2,529,283, Nov. 7.
Silica-alumina-nickel dehydrogenation catalyst. B. B. Corson and G. A. Webb. 2,495,700, Jan. 31.
Silica films and preparation of solutions therefor, Depositing. S. M. Thomsen and F. H. Nicoll. 2,505,629, Apr. 25.
Silica, Manufacture of finely divided. D. B. Broughton. 2,535,036, Dec. 26.
Silica, Manufacture of precipitated. W. T. Maloney. 2,496,736, Feb. 7.
Silica sol catalyst in the emulsion polymerization of butadiene-1,3 hydrocarbons. A. J. Green. 2,497,447, Feb. 14.
Silica sols, Producing. M. D. Marshall. 2,515,960–1, July 18.
Silica-vanadia catalyst, Preparation of. G. C. Connolly. 2,504,001, Apr. 11.
Silicate phosphors, including firing in the presence of steam, Preparation of. H. C. Froelich. 2,525,028, Oct. 10.
Siliceous products, Making. J. F. White. 2,509,026, May 23.
Silicon-containing polymer preparation. L. W. Tyran. 2,532,583, Dec. 5.
Silicon ester resins, Making. J. R. Myles and N. H. Ray. 2,529,956, Nov. 14.
Silicon oxide resins and making same. J. B. Rust and H. V. Joy. 2,505,431, Apr. 25.
Silicon steel of high-directional permeability, Producing. J. M. Jackson. 2,535,420, Dec. 26.
Silicon steel sheet stock having the property of high surface resistivity, Production of. C. E. Gifford. 2,501,846, Mar. 28.
Silicone resin medicament coating. E. C. Yen and F. E. Stirn. 2,512,192, June 20.
Silicones and their preparation, Liquid alkyl. R. K. Iler. 2,499,865, Mar. 7.
Siliconizing processes. A. S. Henderson, E. E. Slowter, and B. W. Gonser. 2,501,051, Mar. 21.
Silo apparatus. N. Cordis. 2,518,601, Aug. 15.
Silo unloading device. A. C. Radtke. 2,500,043, Mar. 7.
Siloxane polymers. M. P. Seidel, J. Swiss, and C. E. Arntzen. 2,508,196, May 16.
Siloxane resins. H. N. Fenn and L. A. Rauner. 2,517,777, Aug. 8.
Silver cleaner. H. Linkletter and W. Van Kirk. 2,513,187, June 27.
Silver halide developer compositions containing polyoxyalkylene ethers of hexitol ring dehydration products. R. K. Blake. 2,533,990, Dec. 12.
Silver halide developers containing polyethylene glycols. W. A. Stanton. 2,531,832, Nov. 28.
Silver halide developers for the production of azine dyestuff images. W. A. Schmidt and R. C. Gunther. 2,527,379, Oct. 24.
Silver mono-fluoride, Manufacture of. W. J. Shenk. 2,526,584, Oct. 17.
Silver recovery. S. C. Pool. 2,507,175, May 9.
Silver solder, Low-melting point. W. Soller and G. Kraus. 2,496,564, Feb. 7.
Silver strike electrolyte and plating. W. M. Tucker and R. L. Flint. 2,525,567, Oct. 10.
Simulated draft pot-type oil burner. C. A. Miller and J. Thomson. 2,524,068, Oct. 3.
Simulated log serving bar. F. L. Erickson. 2,530,120, Nov. 14.
Simulating device for grounded aircraft pilot trainers, Power-plant. J. J. Lukacs. 2,494,479, Jan. 10.
Simulating means for grounded aviation trainers, Weathercocking. K. A. Kail. 2,510,579, June 6.
Simulator, Atmospheric static. R. L. Wallace, Jr., and S. S. Stevens. 2,505,594, Apr. 25.
Simulator, Gun fire director. H. K. Weiss. 2,504,167, Apr. 18.
Sine bar. D. E. Mathews. 2,494,715, Jan. 17.
Single-acting two-stroke cycle internal-combustion engine. G. J. Lugt. 2,516,708, July 25.
Single air line operated sediment sampler. A. M. Lang. 2,519,056, Aug. 15.
Single cavity type motor-driven pump. L. R. Peters. 2,517,233, Aug. 1.
Single conductor locking connector. H. Hubbell and J. F. Healy, Jr. 2,521,722, Sept. 12.
Single dose dispenser. W. C. Mende. 2,518,486, Aug. 15.
Single edge percussion bit. O. Phipps. 2,507,221, May 9.
Single-frequency carrier current control system. D. R. Price and A. Grayson. 2,534,144, Dec. 12.
Single-leaf vehicle spring. F. T. Rowland and M. B. Hammond. 2,533,511, Dec. 12.
Single or multiple key lock. M. E. Julliard. 2,493,630, Jan. 3.
Single phase electric motor. J. C. Burdett. 2,508,143, May 16.
Single side-band system. B. E. Lenehan. Re. 23,258, Aug. 22.
Single standing wave radio circuit. J. W. Mann and G. F. Russell. 2,506,158, May 2.
Single whole fruit feeder. J. M. Hait. 2,500,030, Mar. 7.
Sink and cabinet combined, Kitchen. J. M. Houpt. 2,532,769, Dec. 5.
Sink and drainboard structure. H. Lindgren. 2,495,853, Jan. 31.
Sink and float process for the separation of coal from its impurities. R. L. P. Pauvrasseau. 2,497,790, Feb. 14.
Sink assembly. A. P. Ball. 2,502,553, Apr. 4.
Sink assembly. A. C. Kerby. 2,503,910, Apr. 11.
Sink mounting. L. B. Willis. 2,503,982, Apr. 11.
Sink dishwasher bearing. W. N. Harris. 2,497,168, Feb. 14.
Sink drain valve. W. J. Gleason. 2,500,674, Mar. 14.
Sink enclosure. S. S. Smith. 2,515,099, July 11.
Sink, lavatory, and commode cleaner. F. S. Rettinger. 2,535,092, Dec. 26.
Sink rim. J. F. Brown. 2,514,740, July 11.
Sink rim. F. J. Fox. 2,505,828, May 2.
Sink rim. C. West. 2,525,161, Oct. 10.
Sink top construction. J. M. Callaghan. 2,506,541, May 2.
Sink trap plug. T. L. Lavere. 2,528,660, Nov. 7.
Sink with garbage disposal means. V. R. O'Brien. 2,498,502, Feb. 21.
Sink with garbage disposal means. V. R. O'Brien. 2,524,204, Oct. 3.
Sinker control means for circular knitting machines. R. H. Lawson and M. P. Dodds. 2,534,460, Dec. 19.
Sinker control mechanism for circular knitting machines. E. F. Miller. 2,531,073, Nov. 21.
Sinker for fishing lines, Nonsnag. C. E. Blomgren. 2,519,104, Aug. 15.
Sinker, Jiffy slip fishing. W. H. Deutsch. 2,495,572, Jan. 24.
Sinks, Making stainless steel double. F. E. Zeigler and G. R. Harris. 2,520,486, Aug. 29.
Sintering a catalyst. R. W. Krebs. 2,510,823, June 6.
Sintering apparatus, Rotating. O. Rolfsen. 2,493,421, Jan. 3.
Sintering machine. C. E. Agnew. 2,506,569, May 9.
Sintering machine. W. M. Duncan. 2,519,179, Aug. 15.
Sintering machine, Gravity flow. W. Kelsey. 2,527,309, Oct. 24.
Siphon and syringe, Bellows type. C. L. Hawks. 2,511,469, June 13.
Siren. H. E. Heigis. 2,528,515, Nov. 7.
Siren control. J. W. Waddell and B. R. Stoltz. 2,522,414, Sept. 12.
Siren, Electric. W. O. Crane. 2,500,063, Mar. 7.
Siren giving sharp tones of short duration, Air. E. S. Russell. 2,535,520, Dec. 26.
Siren, High-frequency. C. H. Allen and I. Rudnick. 2,528,026, Oct. 31.
Sirup and beverage, Stabilized chocolate. B. S. Whittingham. 2,493,732, Jan. 3.
Sirup and the like and its manufacture, Brewer's. J. F. Walsh, D. M. Levitt and A. H. Goodman. 2,517,148, Aug. 1.
Sirup cooler. W. E. Doughty. 2,517,773, Aug. 8.
Sirup dispensing pump. S. T. Echols, Sr., and S. T. Echols, Jr. 2,519,640, Aug. 22.
Sirup valve assembly for beverage dispensers. F. E. Sanborn. 2,522,898, Sept. 19.
Sirups, Producing light-colored. L. M. Christensen. 2,503,241, Apr. 11.
6-methyldihydrocodeine, Making. A. H. Homeyer and J. A. Caughlan. 2,510,732, June 6.
6,7-phthaloylquinazoline vat dyestuffs and making same. P. Sutter and W. Kern. 2,525,380, Oct. 10.
16-keto-estrogens. M. N. Huffman. 2,522,178, Sept. 12.
Size controlling apparatus. T. A. Jagen. 2,521,979, Sept. 12.
Sizing and/or lubricating means, Bullet. W. G. Stevens, Jr. 2,510,430, June 6.
Sizing compositions. F. Fortess and M. Duke. 2,532,400, Dec. 5.
Sizing exploded fibers. R. M. Boehm. 2,516,847, Aug. 1.
Sizing materials, Method of and apparatus for preparation and distribution of. G. J. Kyame. 2,516,884, Aug. 1.
Sizing roll, Plate glass. R. J. Price. 2,531,988, Nov. 28.
Sizing textiles and composition therefor. R. R. Sitzler and R. H. Balch. 2,516,267, July 25.
Skate clamp. G. Walton. 2,524,580, Oct. 3.
Skate construction. L. A. Woolley. 2,512,906, June 27.
Skate, Ice. E. M. Jack. 2,520,548, Aug. 29.
Skate light. G. L. Hooley. 2,502,566, Apr. 4.
Skate, Roller. R. L. Biddle. 2,535,887, Dec. 26.
Skate, Roller. M. Collier. 2,535,566, Dec. 26.
Skate, Roller. N. M. Foulds. 2,531,357, Nov. 21.
Skate, Roller. E. M. Jack. 2,502,153, Mar. 28.
Skate, Roller. M. K. Kahle. 2,517,322, Aug. 1.
Skate, Roller. C. W. Snyder. 2,510,722, June 6.
Skate, Snow. O. Sandstedt. 2,524,994, Oct. 10.
Skeet trap. N. S. McEwen. 2,504,437, Apr. 18.
Sketching set, Pocket. J. E. Lindberg, Jr. 2,528,765, Nov. 7.
Skew arch support. H. L. McFeaters. 2,518,352, Aug. 8.
Skewback and tile for open hearth furnaces. P. Antill. 2,509,029, May 23.
Ski. E. M. Hunt. 2,526,137, Oct. 17.
Ski, Aircraft. R. T. Call. 2,514,470, July 11.
Ski, Aircraft. F. J. Ditter. 2,532,610 11, Dec. 5.
Ski bike. G. F. Stof. 2,528,397, Oct. 31.

Ski binding. V. M. Hewett. 2,517,486, Aug. 1.
Ski binding. J. O. Jordell. 2,528,228, Oct. 31.
Ski binding. L. A. Majneri. 2,517,795, Aug. 8.
Ski binding. M. Pennybacker. 2,517,919, Aug. 8.
Ski binding. A. Schlytter. 2,522,303, Sept. 12.
Ski binding, Safety. A. B. Lanz. 2,534,038, Dec. 12.
Ski carrier and waist belt. F. R. H. Helmert. 2,530,695, Nov. 21.
Ski having concave sides. L. Beerli. 2,510,794, June 6.
Ski, Landing. J. R. Carr. 2,492,965, Jan. 3.
Ski of laminated construction. W. M. Pierce, Jr. 2,525,618, Oct. 10.
Ski pole, Extensible. H. A. Jensen. 2,533,733, Dec. 12.
Ski positioning means for airplanes. H. G. Huger. 2,517,481, Aug. 1.
Ski stick, Adjustable. O. W. Jensen. 2,494,878, Jan. 17.
Skis, Making. H. L. Pettersson and S. I. Selånger. 2,500,564, Mar. 14.
Skid chain applying clamp. H. J. Klein. 2,507,376, May 9.
Skid, Trussed. G. M. Turner. 2,500,718, Mar. 14.
Skillet and kettle combination. D. C. Marquez. 2,501,572, Mar. 21.
Skillet for simultaneously and uniformly cooking articles on top and bottom. K. B. Walker. 2,506,754, May 9.
Skimmer, Crucible. V. H. Todd. 2,494,270, Jan. 10.
Skimmer, Differential gravity. J. H. McClintock and G. D. Priestman. 2,497,177, Feb. 14.
Skimmer, Foam. H. A. Schmitz, Jr. 2,493,166, Jan. 3.
Skin dressings with fugitive colors. M. A. Coler. 2,496,270, Feb. 7.
Skinning machine. R. T. Townsend. Re. 23,222, Apr. 25.
Skinning machine. R. T. Townsend. 2,522,728, Sept. 19.
Skinning machine and method. L. De Moss. 2,494,138, Jan. 10.
Skinning meat. W. F. Weber. 2,493,707, Jan. 3.
Skip lift mechanism for concrete mixing machines. E. G. Smith and H. R. McDermott. 2,498,117, Feb. 21.
Skirt. A. E. Thurston. 2,514,613, July 11.
Skirt, Adjustable maternity. P. Richony. 2,521,409, Sept. 5.
Skirt and panty, Combination. D. H. Millman. 2,515,608, July 18.
Skirt, Collapsible hoop. M. C. Clayton. 2,528,639, Nov. 7.
Skirt, Convertible. L. M. Sever. 2,498,184, Feb. 21.
Skirt for safes. F. J. Bremer. 2,529,761, Nov. 14.
Skirt hanger. W. C. Artley. 2,515,544, July 18.
Skirt hanger. J. V. Rowan. 2,528,788, Nov. 7.
Skirt marker. S. R. Goldstein. 2,532,298, Dec. 5.
Skirt marker. G. M. MacFarlane. 2,533,127, Dec. 5.
Skirt, Reversible. R. Kamhi. 2,515,089, July 11.
Skiving machine or splitter, Leather. R. W. Hall. 2,524,013–16, Sept. 26.
Skiving machine or splitter, Leather. R. W. Hall. 2,527,811, Oct. 31.
Skull clamp. F. A. Bloom. 2,494,792, Jan. 17.
Slab gripping device. J. E. Frame. 2,535,911, Dec. 26.
Slack adjuster and stay attachment for finger rings. J. H. Bratman. 2,532,354, Dec. 5.
Slack adjuster for brakes. C. R. Busch. 2,518,120, Aug. 8.
Slack-eliminating mechanism for traction power lifts. A. E. Young. 2,526,058, Oct. 17.
Slack take-up means for sleeve presses. G. W. Johnson. 2,521,374, Sept. 5.
Slag and producing it, Granulated. C. W. Schott. 2,533,633, Dec. 12.
Slasher. A. E. Silcox. 2,515,902, July 18.
Slat and making same, Venetian blind. R. H. Wright. 2,518,846, Aug. 15.
Slat for Venetian blinds, Removable. A. N. Smalley. 2,497,803, Feb. 14.
Slat operating mechanism. L. G. Brown. 2,531,499, Nov. 28.
Slat, Venetian blind. J. J. Gregory. 2,521,363, Sept. 5.
Slat, Venetian blind. J. W. Holland. 2,534,673, Dec. 19.
Slaughtering device, Fowl. L. K. Fudge. 2,518,231, Aug. 8.
Sled construction. B. J. Bor. 2,532,887, Dec. 5.
Sled construction. R. S. Stone. 2,520,861, Aug. 29.
Sled, Hand. B. E. Weirick. 2,526,100, Oct. 17.
Sled, Resilient coasting. G. O. Forseth. 2,499,639, Mar. 7.
Sled, Steerable. R. F. Pauly. 2,520,779, Aug. 29.
Sled, Trawl net. O. M. Sorensen. 2,523,925, Sept. 26.
Sleeping bag. H. S. Guyol. 2,497,167, Feb. 14.
Sleeping bag. L. Waterworth. 2,503,427, Apr. 11.
Sleeping bag for infants. M. E. Haman. 2,530,464, Nov. 21.
Sleeping compartment, Car top. D. T. Cast. 2,530,450, Nov. 21.
Sleet-melting on high-voltage lines. C. F. Wagner. 2,534,935, Dec. 19.
Sleeve bearing. S. S. Brown. 2,501,931, Mar. 28.
Sleeve construction. W. W. Berman. 2,514,276, July 4.
Sleeve construction, Coat. J. Goodman. 2,534,551, Dec. 19.
Sleeve for mechanical pencils, Variable lead grip. M. E. Savoie. 2,533,513, Dec. 12.
Sleeve for pressure-type gas burners and the like, Self-aligning. C. M. Guy. 2,529,768, Nov. 14.
Sleeve layer. D. W. Sessions. 2,499,931, Mar. 7.
Sleeve layer. D. W. Sessions. 2,507,054, May 9.
Sleeve or bushing for holding bobbins firmly on the pins of pin trays. G. McGee. 2,532,114, Nov. 28.
Sleeve, Self-soldering. W. E. Esslie. 2,504,512, Apr. 18.
Sleeve type tube coupling. D. F. Stranberg. 2,511,134, June 13.
Sleeve valve. R. B. Laws. 2,495,900, Jan. 31.
Sleigh brake. C. J. Schwartz 2,512,812, June 27.
Slice roll assembly for paper machine presses. G. F. Hrubecky. 2,535,738, Dec. 26.
Slicer. F. B. Pedersen. 2,503,839, Apr. 11.
Slicer, Food. A. B. McLauchlan. 2,510,291, June 6.
Slicer for cored fruit, Radially arranged rotary disk. L. Vanderhoofven, Sr. 2,518,962, Aug. 15.
Slicer having a stationary cutter. W. L. Wheelwright. 2,508,320, May 16.
Slicer, Vegetable. L. T. Hein and E. G. von Gonten. 2,502,379, Mar. 28.
Slicer, Vegetable. N. K. Morris. 2,501,076, Mar. 21.
Slicer, Vegetable. C. O. Sipe. 2,533,843, Dec. 12.
Slicer, Vegetable and fruit. E. J. Toman. 2,510,435, June 6.
Slicer with stationary knives and reciprocating plunger, Fruit. V. Marasco. 2,513,341, July 4.
Slicing and dispensing machine, Butter. W. R. Scharsch. 2,529,850, Nov. 14.
Slicing device, Lemon. H. P. Rivet. 2,495,770, Jan. 31.
Slicing machine. C. Ackerman. 2,500,973, Mar. 21.
Slicing machine. R. A. Perry. 2,504,724, Apr. 18.
Slicing machine. J. A. Pinaud. 2,513,741, July 4.
Slicing machine. T. W. Winberg and R. A. Ames. 2,497,646, Feb. 14.
Slicing machine, Bun. L. Sammy. 2,497,187, Feb. 14.
Slicing machine, Endless band blade cake. E. L. Copenhaver. 2,498,615, Feb. 21.
Slicing machine food carriage. A. van Duyn. 2,520,110, Aug. 22.
Slicing machine having cutter disk with planetary movement. A. and J. Roest. 2,528,914, Nov. 7.
Slicing machine having endless band knives, Bread. H. J. Criner. 2,524,310, Oct. 3.
Slicing machine, including spaced disk cutters and rotary feeder. H. P. Arnt. 2,506,985, May 9.
Slicing machine, Multiple reciprocating blade bread. M. Brustowsky. 2,528,853, Nov. 7.
Slicing machine, Roll, biscuit, and bun. R. V. Billfaldt. 2,509,799, May 30.
Slicing machine, Rotary food. A. Sporket. 2,505,921, May 2.
Slicing machine with swinging knife with stacking device. C. Klingens. 2,534,172, Dec. 12.
Slicing machine, Wood. W. S. Corey, A. B. and R. B. Watt. 2,493,914, Jan. 10.
Slidable jaw pipe wrench. W. A. Sparks. 2,526,167, Oct. 17.
Slide binder apparatus. P. E. Patrick. 2,496,406, Feb. 7
Slide carrier. H. W. French, Jr. 2,521,709, Sept. 12.
Slide carrier. J. J. Host. 2,496,724, Feb. 7.
Slide changer for projectors. J. E. Leonard. 2,532,775, Dec. 5.
Slide changing device. C. B. Estes. 2,533,441, Dec. 12.
Slide-changing device. A. B. Simmons. 2,525,564, Oct. 10.
Slide contactor switch. E. G. Lodge. 2,521,468, Sept. 5.
Slide, Drawer. M. M. and L. K. Miller. 2,514,664, July 11.
Slide fastener. G. A. Babcock. 2,519,012, Aug. 15.
Slide fastener. J. H. Kohler. 2,497,821, Feb. 14.
Slide fastener. H. J. Murphy. 2,504,078, Apr. 11.
Slide fastener. N. J. Poux. 2,511,414, June 13.
Slide fastener lock. H. J. Modrey. 2,530,438, Nov. 21.
Slide fastener slider. J. M. R. Lyeth. 2,532,367, Dec. 5.
Slide fastener stop blank. A. E. Carlile. 2,526,802, Oct. 24.
Slide for film-pack adapters, Reminder. S. A. Crowe. 2,503,547, Apr. 11.
Slide for firearms, Action. C. G. Swebilius. 2,530,363, Nov. 14.
Slide for firearms, Retracting. A. H. Jobert. 2,503,272, Apr. 11.
Slide for linotype machines, Delivery. E. Szubzda. 2,512,842, June 27.
Slide for power presses. C. J. Rhodes. 2,523,393, Sept. 26.
Slide for shade cloths used in tobacco growing. E. H. Wade. 2,505,700, Apr. 25.
Slide for slide fasteners, Locking. N. N. Negrich. 2,519,494, Aug. 22.
Slide joint. H. Harrs. 2,517,308, Aug. 1.
Slide loop. C. E. Anderson. 2,505,846, May 2.
Slide loop. G. H. Elwell. 2,497,401, Feb. 14.
Slide positioning mechanism for projectors. F. J. Perillo. 2,506,170, May 2.
Slide valve. B. N. Ashton. 2,506,129, May 2.
Slide valve. N. A. Christensen. 2,509,671, May 30.
Slide viewing device or the like and slide magazine therefor. A. C. Mueller. 2,516,793, July 25.
Slider, Automatic lock. L. H. Morin. 2,512,213, June 20.
Slider check for separable fasteners. L. H. Morin. 2,506,965, May 9.
Slider fastener. J. F. Sullivan. 2,495,033, Jan. 17.
Slider for adjustable fasteners. F. R. Taberlet. 2,502,901, Apr. 4.
Slider for propelling pencils with several leads. Y. Zuber. 2,517,522, Aug. 1.
Slider for separable fasteners, Automatic lock. I. Marinsky. 2,501,399, Mar. 21.

Slider for separable slide fasteners. E. E. Bogenberger. 2,510,736, June 6.
Slider for slide fasteners. C. K. Deutsch. 2,520,496, Aug. 29.
Slider for slide fasteners. I. Gerstman. 2,526,653, Oct. 24.
Slider for slide fasteners. H. Haidegger. 2,496,664,
Slider for slide fasteners. N. J. Poux. 2,521,651, Sept. 5. Feb. 7.
Slider for slide fasteners. E. Ryser. 2,524,574, Oct. 3.
Slider for slide fasteners. M. Segre. 2,503,301, Apr. 11.
Slider for slide fasteners, Automatic lock. A. M. Brown. 2,511,491, June 13.
Slider for slide fasteners, Automatic lock. C. Disinger and F. Ulrich. 2,521,453, Sept. 5.
Slider for slide fasteners, Reversible. H. G. Nissen. 2,495,176, Jan. 17.
Slider, Interlock. L. H. Morin. 2,517,403, Aug. 1.
Slider necking machine. B. P. Lawson. 2,523,380, Sept. 26.
Slides for slide fasteners, Automatic lock. F. Ulrich and C. Disinger. 2,523,740, Sept. 26.
Sliding ball and socket coupling. O. F. Quartullo. 2,512,380, June 20.
Sliding contact system for conducting electric currents. D. Sciaky. 2,529,634, Nov. 14.
Sliding door lock. A. H. Groeger. 2,530,330, Nov. 14.
Sliding door lock. A. Vanderveld. 2,512,217, June 20.
Sliding door mechanism. J. J. Frueh. 2,532,491, Dec. 5.
Sliding door mounting. P. G. Austin. 2,523,935, Sept. 26.
Sliding door mounting. E. E. Martin. 2,525,143, Oct. 10.
Sliding door support. G. B. Kurtzon. 2,527,740, Oct. 31.
Sliding jaw end wrench. O. M. Gross. 2,509,637, May 30.
Sliding vane pump. De F. C. Inman. 2,493,197, Jan. 3.
Sliding vane pump. E. G. Seastrom. 2,498,715, Feb. 28.
Sliding vane pump. E. G. Seastrom. 2,498,929, Feb. 28.
Sliding vane rotary pump. A. E. McManus. 2,521,592, Sept. 5.
Sling and end fitting. F. W. von Wehrden. 2,495,951, Jan. 31.
Sling, Arm. A. R. Baldeschwieler. 2,512,474, June 20.
Sling clamp. R. W. Siler. 2,515,571, July 10.
Sling protector. H. Andersen. 2,510,674, June 6.
Slingshot. D. C. Wright. 2,532,798, Dec. 5.
Slip. W. Friedman. 2,497,938, Feb. 21.
Slip covering for armchairs. R. Siebelist. 2,522,404, Sept. 12.
Slip mechanism for well tools. J. S. Page. 2,534,529, Dec. 19.
Slip, Pipe holding. W. L. Pearce. 2,496,172, Jan. 31.
Slip, Woman's. L. B. Cooley. 2,528,117, Oct. 31.
Slipper bearing. T. C. Fraser. 2,526,072, Oct. 17.
Slipper with rubber and leather sole, Bedroom. J. Hoza. 2,499,751, Mar. 7.
Slitting machine. A. J. Casagrande. 2,506,343, May 2.
Slitting machine, Fabric. R. J. Clarkson. 2,533,996, Dec. 12.
Slot holder. R. B. James. 2,506,219, May 2.
Slot machine for testing hand steadiness, Amusement. S. D'Elia. 2,508,146, May 16.
Slotting machine. J. B. Armitage and J. N. Flannery. 2,532,591, Dec. 5.
Slotting machine. T. F. Eserkaln and C. A. Parske. 2,529,680, Nov. 14.
Sludge blanket clarifier with outward and upward recirculation of sludge. L. W. Bicker and F. D. Prager. 2,527,788, Oct. 31.
Sludge drain for airbrake systems, Automatic. O. R. Sherman and S. Jacovelli. 2,535,760, Dec. 26.
Sludges, Decomposing emulsified waste. G. A. Wallerstedt and M. Lintz. 2,501,977, Mar. 28.
Slurry feeding apparatus. G. M. Booth. 2,508,987, May 23.
Slurry handling. R. W. Krebs. 2,518,337, Aug. 8.
Slush pump valve. A. R. Steirly. 2,516,927, Aug 1.
Slush pump valve. A. S. Volpin. 2,495,880, Jan. 31.
Slush pump valve cover. A. R. Maier and C. L. Mohnkern. 2,527,949, Oct. 31.
Small synchronous electric motor. J. Riley. 2,493,999, Jan. 10.
Small turbine generator. C. V. Litton. 2,495,745, Jan. 31.
Smear for screwworm control. C. A. Littler. 2,504,207, Apr. 18.
Smelter and smelting frit. F. L. Meacham and J. H. Greenberg. 2,527,144, Oct. 24.
Smelting furnace. L. S. Longenecker. 2,534,825, Dec. 19.
Smelting furnace. F. J. Zvanut, C. C. Kreager, and C. A. Thomas, Jr. 2,501,119, Mar. 21.
Smelting iron ore. E. S. Harman and F. H. Loftus. 2,526,658, Oct. 24.
Smelting metals. W. Bonsack and W. M. Weil. 2,528,208, Oct. 31.
Smelting of metals. E. R. Gilliland. 2,526,472, Oct. 17.
Smelting process, Continuous. E. S. Harman. 2,526,659, Oct. 24.
Smelting process of recovering chemicals from the black liquor derived in pulp mills. E. A. J. Gagliardi, C. Mellor, and A. L. Hamm. 2,495,248, Jan. 24.
Smelting sulfide bearing raw materials. P. B. Bryk and J. W. Ryselin. 2,506,557, May 2.
Smoke consumer for locomotives. M. J. Pekich. 2,495,864, Jan. 31.
Smoke control. J. Gadzuk. 2,529,491, Nov. 14.
Smoke-cooling pipe. E. J. Cornett. 2,519,823, Aug. 22.
Smoke detector. J. C. Hesson. 2,509,497, May 30.
Smoke detector, Photoelectric convection. C. N. Cabusac and D. A. Dieni. 2,513,283, July 4.
Smokehouse. J. A. Julian. 2,505,973, May 2.
Smoke treatment and control for smoke houses. S. L. Gershel. 2,533,926, Dec. 12.
Smoke tree. J. Krauss. 2,512,340, June 20.
Smoker, Compact. W. M. Sewald, Jr. 2,504,597, Apr. 18.
Smoker's accessory. C. V. Lutz. 2,503,501, Apr. 11.
Smoker's appliance. J. Schuelein. 2,510,909, June 6.
Smoker's article. J. Graham. 2,506,666, May 9.
Smoker's device. O. E. Weser. 2,516,437, July 25.
Smoker's pipe. E. R. Schwinn. 2,517,137, Aug. 1.
Smoking and freezing meat, fish, and poultry. L. S. Thompson. 2,506,908, May 9.
Smoking article holder. J. A. Banoczi. 2,527,516, Oct. 31.
Smoking device. E. R. Schwinn. 2,534,799, Dec. 19.
Smoking pipe. F. P., J. P., and P. P. Catalano. 2,528,858, Nov. 7.
Smoking pipe. W. W. Hull. 2,499,504, Mar. 7.
Smoking pipe. G. W. Kowalsky. 2,528,961, Nov. 7.
Smoking pipe. J. D. Pelt. 2,532,820, Dec. 5.
Smoking pipe. M. Plesh. 2,534,476, Dec. 19.
Smoking pipe. T. W. Slutz. 2,494,268, Jan. 10.
Smoking pipe saddle. H. W. Pinckney. 2,528,173, Oct. 31.
Smoking pipe stem joint. O. M. Lerch. 2,497,225, Feb. 14.
Smoking set, Combination. J. M. Roamer. 2,506,385, May 2.
Smoking stand. F. T. Paden. 2,511,001, June 13.
Snap acting device. F. B. Aubert. 2,521,277, Sept. 5.
Snap acting device. R. D. Rohr. 2,495,349, Jan. 24.
Snap acting electric switch. O. O. Oaks. 2,509,311, May 30.
Snap acting mechanism. R. D. Arbogast. 2,519,334, Aug. 22.
Snap acting mechanism. S. G. Ransome. 2,508,040, May 16.
Snap-action control mechanism. V. F. Davis. 2,530,652, Nov. 21.
Snap action electric switch. W. Sharp. 2,533,743, Dec. 12.
Snap action mechanism. O. H. Kaminky. 2,510,021, May 30.
Snap-action pilot valve. F. W. Schneck. 2,507,384, May 9.
Snap action suction valve. E. F. Kounovsky and J. E. Lube. 2,520,216, Aug. 29.
Snap action switch. L. M. Persons. 2,529,785, Nov. 14.
Snap action switch. G. O. Puerner. 2,525,044, Oct. 10.
Snap fastener. J. M. Scanlon and R. L. Zitrick. 2,507,224, May 9.
Snap fit interlocking checker. W. S. Peterson. 2,534,055, Dec. 12.
Snap for fishing tackle, Safety. F. H. Caldwell. 2,523,679, Sept. 26.
Snap-in spring fastener. H. W. Kost. 2,504,986, Apr. 25.
Snap-lock wrench. B. Burns. 2,532,659, Dec. 5.
Snap-on-cover. J. D. Reifsnyder. 2,493,086, Jan. 3.
Snap operating means for actuating detachable switches. H. J. Hammerly. 2,515,449, July 18.
Snap ring tool. L. R. Barkan and M. L. Anderson. 2,510,206, June 6.
Snap spring operated switch. J. F. O'Brien and E. S. Boynton. 2,535,090, Dec. 26.
Snap switch. E. P. Bugge. 2,511,526, June 13.
Snap switch. A. P. Charbonneau. 2,526,850, Oct. 24.
Snap switch. C. F. Coake. 2,505,605, Apr. 25.
Snap switch. A. E. Franks and M. B. Arisman. 2,524,784, Oct. 10.
Snap switch. E. D. Lilja. 2,518,480, Aug. 15.
Snap switch. R. E. Moore. 2,509,835, May 30.
Snap switch. H. W. Price. 2,513,674, July 4.
Snap switch. E. R. Roswell. 2,513,053, June 27.
Snap switch. J. O. Thorsheim. 2,509,194, May 23.
Snap switch. A. J. Vaksvik and M. B. Arisman. 2,529,716, Nov. 14.
Snap-on drawer lock. W. A. Poe. 2,528,910, Nov. 7.
Snap switch. W. Von Stoeser. 2,500,476, Mar. 14.
Snare structure for drums. W. F. Ludwig and F. F. Kiemle. 2,517,124, Aug. 1.
Snipping machine, Bean. B. I. Buck. 2,518,598, Aug. 15.
Snow and ice remover for motor vehicles. W. Vinnick. 2,505,311, Apr. 25.
Snowplow. H. D. Callahan. 2,530,856, Nov. 21.
Snowplow. H. A. Genthe. 2,493,667, Jan. 3.
Snowplow. O. A. Ingersoll. 2,518,622, Aug. 15.
Snowplow. I. R. Wenner. 2,498,470, Feb. 21.
Snowplow. A. O. Williamson. 2,504,774, Apr. 18.
Snowplow, Rotary. E. G. Berg and A. Voorderman. 2,498,522, Feb. 21.
Snowplow, Sidewalk. R. B. Bourne and L. E. Knapp. 2,513,230, June 27.
Snow removing device. S. H. Kimbler. 2,508,612, May 23.
Snowshoe or ring fastening means for ski sticks. N. J. Gille. 2,504,260, Apr. 18.

Snowshoe or swampshoe. D. F. Anderson. 2,515,070, July 11.
Snow sweeper railway car. C. W. Shipley and H. C. Van Eck. 2,516,600, July 25.
Snubber. W. H. Baselt. 2,497,829, Feb. 14.
Snubber. W. L. Schlegel, Jr. 2,496,254, Jan. 31.
Snubber. W. L. Schlegel, Jr., and F. E. Bachman. 2,510,259, June 6.
Snubber and spark arrester, Engine exhaust. R. L. Hoyle, A. P. Gallagher, and A. S. Chipley. 2,511,713, June 13.
Snubbing means for catapult carriages. L. J. Maxson. 2,514,406, July 11.
Snuffer assembly for lighter wicks. J. S. Greene. 2,511,434, June 13.
Soap bar. T. J. Verbsky. 2,505,444, Apr. 25.
Soap bar, Continuous process for making a composite. D. E. Marshall. 2,528,531, Nov. 7.
Soap cakes, Method of and apparatus for making. I. M. Hoglin. 2,495,005, Jan. 17.
Soap chipper. C. L. Lang. 2,527,557, Oct. 31.
Soap dispenser. J. O. Pumphrey. 2,524,137, Oct. 3.
Soap holder. W. Merry. 2,494,305, Jan. 10.
Soap, Making floating. A. L. Schulerud. 2,525,081, Oct. 10.
Soap manufacture. M. H. Ittner. 2,501,467, Mar. 21.
Soap, Manufacture of. R. V. Owen. 2,525,936, Oct. 17.
Soap, Process and apparatus for making floating. D. E. Marshall. 2,494,891, Jan. 17.
Soap, Producing toilet. J. K. O. H. Holmberg. 2,494,127, Jan. 10.
Soap supplying system for automatic clothes-washing machines. T. T. Woodson. 2,523,799, Sept. 26.
Soap treating apparatus. A. L. Schulerud. 2,524,999, Oct. 10.
Soaps containing halogenated dihydroxy diphenyl methanes, Germicidal. E. C. Kunz and W. S. Gump. 2,535,077, Dec. 26.
Soaps, Preparation of metallic. G. G. Unkefer. 2,528,803, Nov. 7.
Soaps, Stabilized metallic. H. Packer. 2,531,460, Nov. 28.
Sock. S. S. Holland. 2,526,663, Oct. 24.
Socket. C. J. Adams. 2,509,406, May 30.
Socket and by-pass condenser, Combined tube. H. E. Kallmann. 2,496,095, Jan. 31.
Socket and contacts therefor, Electrical. S. M. Del Camp. 2,519,121, Aug. 15.
Socket and printed circuit panel, Integral. I. L. Stephan and D. D. Evers. 2,524,939, Oct. 10.
Socket and switch assembly for electric light bulbs and the like, Safety. R. A. Anderson. 2,525,577, Oct. 10.
Socket assembly. B. E. Ricks and D. P. Marquis. 2,511,788, June 13.
Socket assembly, Tie rod. M. H. Alldredge. 2,499,346, Mar. 7.
Socket assembly tool. T. Maxwell. 2,496,591, Feb. 7.
Socket construction, Fluorescent light. W. L. Kelman. 2,505,864, May 2.
Socket contact. S. M. Del Camp. 2,525,210, Oct. 10.
Socket, Electric bulb. P. Villeplé. 2,524,280, Oct. 3.
Socket, Electric lamp. G. Wagstaff. 2,494,845, Jan. 17.
Socket, Electric light. A. Tiscione. 2,534,804, Dec. 19.
Socket, Electrical. C. W. Heath. 2,533,933, Dec. 12.
Socket, Electrical connector. J. M. Fetherolf, G. E. Forrest, and F. W. See. 2,493,756, Jan. 10.
Socket, Fluorescent lamp. B. Fox. 2,530,607, Nov. 21.
Socket, Fluorescent light. W. L. Kelman. 2,522,044, Sept. 12.
Socket, Fluorescent light. W. L. Kelman. 2,533,734, Dec. 12.
Socket, Fluorescent tube. B. T. Jordon. 2,499,507, Mar. 7.
Socket for bowling balls, Vented finger. B. J. Klinkosh. 2,518,335, Aug. 8.
Socket for devices in series connection, Indicator. M. L. and N. L. McHenry. 2,503,677, Apr. 11.
Socket for electric lamps. A. A. F. Bedoiseau. 2,511,037, June 13.
Socket for fluorescent lamps, One-piece resilient. G. Shaw. 2,531,533, Nov. 28.
Socket for holding a crystal. L. R. Wanner. 2,494,919, Jan. 17.
Socket for pit props. G. Allimann. 2,498,060, Feb. 21.
Socket for radio tubes. R. J. Streb. 2,522,907, Sept. 19.
Socket for receiving electric igniter plugs. A. J. Kroll and H. W. Bilger. 2,495,657, Jan. 24.
Socket for thermionic tubes. F. S. Stickney. 2,514,562, July 11.
Socket for tubular fluorescent lamps, Lamp. H. L. Goebel. 2,510,628, June 6.
Socket holder assembly, Flashlight lamp. J. T. Shackel. 2,530,913, Nov. 21.
Socket, Illuminated switch. J. F. Courtney. 2,498,943, Feb. 28.
Socket joint. A. A. Abramoska. 2,496,839, Feb. 7.
Socket, Key lamp. G. B. Benander. 2,505,518, Apr. 25.
Socket, Lamp. H.-E. Johansson. 2,531,686, Nov. 28.
Socket, lamp, and adapter therefor, Incandescent electric lamp. A. S. Howell. 2,504,419, Apr. 18.
Socket, Nonmicrophonic. L. R. Wanner. 2,505,163, Apr. 25.
Socket, Oarlock. P. M. Griffin. 2,533,190, Dec. 5.
Socket pipes of asbestos-cement, Manufacture of. A. Magnani. 2,528,155, Oct. 31.
Socket, Quick disconnect. L. V. Grover. 2,494,755, Jan. 17.
Socket, Radio tube. B. J. Johanson. 2,535,578, Dec. 26.
Socket receptacle having body and closure member therefor. C. E. Gilbert. 2,535,356, Dec. 26.
Socket, Slotted wrench. W. Viets. 2,503,364, Apr. 11.
Socket, Switch. F. Gradischnig, Jr. 2,503,040, Apr. 4.
Socket, Switch controlled electric light. A. Tiscione. 2,524,496, Oct. 3.
Socket, Vacuum tube. R. C. Larson. 2,495,267, Jan. 24.
Socket with floating contacts, Miniature acorn-tube. E. Toth. 2,536,011, Dec. 26.
Socket with test lamp, Photoflash lamp. M. Schwartz. 2,496,680, Feb. 7.
Socket wrench. J. M. Brunstad. 2,522,428, Sept. 12.
Socket wrench cabinet. G. A. Minnich. 2,532,636, Dec. 5.
Sod cutter. M. Lint. 2,506,371, May 2.
Sod cutter. S. T. Wall. 2,534,838, Dec. 19.
Soda fountain, Toy. S. P. Midouhas. 2,529,407, Nov. 7.
Soda water dispenser. L. Gottlieb. 2,517,301, Aug. 1.
Sodium bicarbonate production. J. R. Taylor. 2,527,340, Oct. 24.
Sodium carbonate, Production of. L. Rosenstein. 2,534,298, Dec. 19.
Sodium chlorate, Making. J. C. Schumacher. 2,511,516, June 13.
Sodium chloride brine, Preparing. R. M. Hunter, R. D. Blue, and M. P. Neipert. 2,521,459, Sept. 5.
Sodium chlorite, Preparation of. G. L. Cunningham and F. Pretka. 2,520,915, Sept. 5.
Sodium dithionite composition, Dry, stabilized. L. C. Hurd and G. C. Riley. 2,516,321, July 25.
Sodium-free flavoring compositions. F. J. Cahn. 2,500,919, Mar. 21.
Sodium hydroxide, Production of. W. P. Dooley. 2,518,530, Aug. 15.
Sodium nitrate, Production of. L. A. Stengel. 2,535,990, Dec. 26.
Sodium 1-ascorbate, Preparing. H. H. Fox and M. M. Creighton. 2,495,246, Jan. 24.
Sodium potassium pyrophosphates and producing same. C. B. Durgin and R. N. Foster. 2,511,249, June 13.
Sodium silicate cement composition. H. J. Kahn. 2,533,118, Dec. 5.
Sodium sulfate, Producing anhydrous. J. V. Wiseman, L. A. Blackmun, and H. D. Hellmers. 2,504,097, Apr. 11.
Sofa. S. Kris 2,495,849, Jan. 31.
Sofa-bed with forward turning back. A. Lorenz. 2,534,175, Dec. 12.
Sofa having angularly adjustable ends. A. H. Hoffman. 2,531,045, Nov. 21.
Soft drink mixer. B. A. Jody. 2,524,628, Oct. 3.
Soft seat and bed, Combined. A. Lorenz. 2,534,176, Dec. 12.
Soft seat and bed, Combined. A. Lorenz and H. Nock. 2,534,177, Dec. 12.
Soft-seat relief valve. A. A. Rood. 2,502,279, Mar. 28.
Softening butadiene-styrene copolymer with propylene-diolefin copolymer. D. W. Young and H. D. Hineline. 2,521,437, Sept. 5.
Soil road and producing same, Stabilized. G. E. Martin. 2,535,644, Dec. 26.
Solar attachment for theodolites. R. Roelofs. 2,506,037, May 2.
Solar attachment for transits. H. R. Larsen and J. C. Thoma. 2,517,687, Aug. 8.
Solar evaporation of brines. S. D. Lesesne. 2,532,924, Dec. 5.
Solarium, Portable. A. Wandyak. 2,493,328, Jan. 3.
Solder analyzer. F. L. Kurek. 2,535,855, Dec. 26.
Solder, Body. D. L. Jones, W. M. Stark, and H. B. Underwood. 2,523,625, Sept. 26.
Solder carrier finding. F. A. Ballou, Jr. 2,493,940, Jan. 10.
Solder, Lead-base. F. Davis. 2,506,348, May 2.
Soldering compositions. H. T. Reeve. 2,503,564, Apr. 11.
Soldering device for commutators, Electric. J. B. Williams. 2,495,044, Jan. 17.
Soldering iron. A. F. Flournoy. 2,534,257, Dec. 19.
Soldering iron. J. Handley. 2,517,561, Aug. 8.
Soldering iron. C. L. Ludwig. 2,519,972, Aug. 22.
Soldering iron. W. McGruer. 2,515,462, July 18.
Soldering iron. F. A. Schmidt. 2,524,997, Oct. 10.
Soldering iron. R. Scholler. 2,501,192, Mar. 21.
Soldering iron. R. S. Tice. 2,523,638, Sept. 26.
Soldering iron. J. J. Zana and A. J. Demarco. 2,514,736, July 11.
Soldering method for positioning strip material. W. B. Stoddard, Jr. 2,530,552, Nov. 21.
Soldering the side seams of can bodies, Method of and apparatus for. A. M. Cameron and S. R. Johnson. 2,535,836, Dec. 26.
Soldering tool. J. H. Faudree and F. C. Dupre. 2,516,194, July 25.
Solderless connector. B. F. Larsen. 2,532,068, Nov. 28.
Sole attaching machine. P. W. Senfleben. 2,501,789, Mar. 28.
Sole-cutting machine and dies. J. F. Barron. 2,523,675, Sept. 26.
Sole fitting machine. L. Mawbey. 2,498,762, Feb. 28.
Sole fitting machine. E. W. Stacey. 2,498,771, Feb. 28.
Sole for footwear, Rubber. K. S. Hallgren. 2,527,414, Oct. 24.

Sole for shoes, Wooden. R. M. L. Issaly. 2,508,392, May 23.
Sole straightener. R. P. Pohlmann. 2,522,636, Sept. 19.
Sole with detachable upper. E. M. Roy. 2,495,984, Jan. 31.
Soling apparatus, Boot. W. E. Dewey. 2,522,021, Sept. 12.
Solenoid, Double-acting. J. R. Cataldo and K. E. Vroom. 2,533,187, Dec. 5.
Solenoid operated switch. W. C. Jackson and L. T. Clemens. 2,528,520, Nov. 7.
Solenoid, Rotary. G. W. Carpenter. 2,531,905, Nov. 28.
Solenoid tractive means, Retarded. E. A. Brass. 2,528,734, Nov. 7.
Solenoid unit. E. M. Claytor. 2,531,500, Nov. 28.
Solenoid with shock absorbing, coil retaining element. E. M. Soreng and H. Y. Fisher. 2,516,603, July 25.
Soleplate for irons and making the same. R. L. Trimble. 2,524,944, Oct. 10.
Solids concentrate from fruit and vegetable juices as well as other solutions, Producing. R. E. Webb and F. W. Bedford. 2,503,695, Apr. 11.
Solids concentrating method and apparatus. M. Cox and A. L. Foell. 2,499,057, Feb. 28.
Sols, Producing. V. Di Maio. 2,515,949, July 18.
Solubilizing allyl starch. R. M. Hamilton and E. Yanovsky. 2,524,792, Oct. 10.
Solubilizing tanning bark extracts with waste sulfite liquors. K. T. Williams and E. F. Potter. 2,505,818, May 2.
Soluble and fusible formalization products of urea-formaldehyde resinous condensates. Emil E. Novotny, G. K. Vogelsang, and Ernest E. Novotny. 2,512,672, June 27.
Solution concentrating apparatus. R. B. P. Crawford. 2,535,008, Dec. 19.
Solution concentration indicator. A. L. Kohl. 2,528,889, Nov. 7.
Solution for anodic polishing of steel and iron articles. M. B. Hammond and G. B. Bowman. 2,493,579, Jan. 3.
Solution for plating metals with gold. R. W. Porter, Jr., and C. M. Jones. 2,501,737, Mar. 28.
Solution of acrylonitrile polymers. D. W. Chaney. 2,496,267, Feb. 7.
Solution strength control device. E. G. Nutting, Jr., and D. M. Peppard. 2,500,042, Mar. 7.
Solutions for use in enbalming. J. S. Williams. 2,521,108, Sept. 5.
Solutions of acrylonitrile polymers. H. W. Coover, T. E. Stanin, and J. B. Dickey. 2,503,244–5, Apr. 11.
Solutions of acrylonitrile polymers containing a color-free acidic compound. R. A. Scheiderbauer. 2,502,030, Mar. 28.
Solutions of mixtures of siloxane resin and polyvinyl acetal resin, wherein cresylic acid is used as one of the solvents, Preparing. J. H. Vail. 2,506,320, May 2.
Solutions of polymerized styrene compounds, Manufacture of. J. P. C. E. Corbiere. 2,497,259, Feb. 14.
Solutions of polymers of crotyl, methallyl, and allyl polyesters of polybasic organic acids containing cerium salts and process of making films therefrom. A. G. Chenicek. 2,522,254, Sept. 12.
Solutions of polyvinyl chloride in a mixture of acetone and perchloroethylene. P. Salé. 2,517,356, Aug. 1.
Solutions of saccharide derivatives of the suprarenal cortical hormone series and making same, Stable, supersaturated aqueous. K. Miescher and C. Meystre. 2.497.509, Feb. 14.
Solutions of solid vulcanized oils, Preparing. K. W. Posnansky. 2,523,446, Sept. 26.
Solvent-cleaning finely divided solids, Method and apparatus for. F. T. Barr. 2,500,056, Mar. 7.
Solvent extraction. A. C. McKinnis. 2,503,119, Apr. 4.
Solvent extraction apparatus. H. R. Davis and F. Kraus. 2,528,426, Oct. 31.
Solvent extraction apparatus and process. O. R. Sweeney and L. K. Arnold. 2,501,880, Mar. 28.
Solvent extraction of unsaturated hydrocarbons. R. M. Cole. 2,523,681, Sept. 26.
Solvent extraction process. K. H. Hachmuth. 2,515,217, July 18.
Solvent fractionation of fatty material. W. M. Leaders and F. A. Norris. 2,521,234, Sept. 5.
Solvent or disinfectant dispenser. R. S. Turner. 2,527,975, Oct. 31.
Solvent recovery by distillation. O. R. Sweeney, L. K. Arnold, and E. G. Hollowell. 2,504,053, Apr. 11.
Solvent refining of light oils. D. K. Beavon. 2,526,722, Oct. 24.
Solvent separation of unsaturated hydrocarbons, Selective. C. P. Strand. 2,515,140, July 11.
Solving mathematical problems, Method and apparatus for. F. J. Murray. 2,515,888, July 18.
Sonic air-speed and stall indicator. I. B. Bensen. 2,519,015, Aug. 15.
Sonic apparatus, Underwater. G. C. Evans. 2,504,118, Apr. 18.
Sonic method for control of air in ice cream. R. Friedman. 2,508,152, May 16.
Sorbic acid esters, Making. R. I. Hoaglin and D. H. Hirsh. 2,531,512, Nov. 28.
Sorting apparatus. K. W. Dean, H. S. Beattie, and R. E. Page. 2,531,874, Nov. 28.
Sorting apparatus. C. F. Robinson. 2,532,644, Dec. 5.
Sorting device, Card. C. A. Bergsten and L. C. Jones. 2,501,492, Mar. 21.
Sorting metallic articles. D. E. Bovey. 2,495,627, Jan. 24.
Sorting reel hook. D. A. Freeman. 2,499,188, Feb. 28.
Sorting table pad. F. W. Oxley and R. L. Holmes. 2,518,171, Aug. 8.
Sound absorber covered by a membrane, Diffraction type. H. F. Olson. 2,502,018, Mar. 28.
Sound absorber, Diffraction type. H. F. Olson. 2,502,016, Mar. 28.
Sound absorber with complementary fitting portions, Diffraction type. H. F. Olson. 2,502,019. Mar. 28.
Sound absorber with fiber glass walls, Diffraction type. H. F. Olson. 2,502,020, Mar. 28.
Sound absorption. C. Mannal. 2,494,343, Jan. 10.
Sound amplifier muting means. E. F. McDonald, Jr. 2,520,732, Aug. 29.
Sound and picture mechanism, Combination. R. M. Like. 2,512,724, June 27.
Sound and picture system with manual and electrical advance of the film in response to a film deformation. M. C. Supitilov. 2,526,516, Oct. 17.
Sound apparatus and record, Spectral photographic. L. Greenberg. 2,517,659, Aug. 8.
Sound control system. H. Schwartzberg. 2,495,426, Jan. 24.
Sound detector, Directional. J. Auscher. 2,534,847, Dec. 19.
Sound detector system, Dual microphone. L. J. Anderson and A. H. Kettler. 2,496,031, Jan. 31.
Sound device, Variable. R. R. Rundell. 2,504,457, Apr. 18.
Sound equalization in dictating machines, Method of and apparatus for. R. L. Stone and A. L. Anderson. 2,528,457, Oct. 31.
Sound film scanning apparatus with automatic light variation compensation. M. R. Hutchison, Jr. 2,496,943, Feb. 7.
Sound generator. G. C. Seavey and C. B. Horsley. 2,534,833, Dec. 19.
Sound head for thin films. J. A. Haringx. 2,513,721, July 4.
Sound head mounting. W. R. Dow. 2,519,360, Aug. 22.
Sound improving device. P. D. Jackson. 2,504,264, Apr. 18.
Sound intensifier. S. B. Rubinstein. 2,520,172, Aug. 29.
Sound locating equipment. R. R. Howard and R. N. Himmel. 2,535,134, Dec. 26.
Sound operator trainer, Shipboard. H. L. Saxton, P. L. Smith, and M. S. Wilson. 2,522,541, Sept. 19.
Sound producing device. C. L. Fleener. 2,511,403, June 13.
Sound producing device. R. C. Kucera. 2,497,457, Feb. 14.
Sound producing device. R. R. Rundell. 2,504,456, Apr. 18.
Sound-producing toy pin wheel. I. Cohn. 2,532,835, Dec. 5.
Sound ranging. E. W. Smith. 2,505,587, Apr. 25.
Sound receiving method and system. R. H. Rines. 2,528,728, Nov. 7.
Sound recording and reproducing apparatus. R. H. Dicke. 2,508,451, May 23.
Sound recording and reproducing, Magnetic. J. Neufeld. 2,520,050, Aug. 22.
Sound recording, monitoring system. L. T. Sachtleben. 2,504,590, Apr. 18.
Sound recording system. R. M. Somers. 2,535,657, Dec. 26.
Sound recording system, Variable area, push-pull. J. G. Frayne. 2,511,199, June 13.
Sound reproducer, Disk record and film record. F. H. Owens. 2,521,476, Sept. 5.
Sound reproducer, Electrodynamic. H. C. Willson. 2,526,836, Oct. 24.
Sound reproducer, Electrostatic. J. W. Acosta. 2,519,810, Aug. 22.
Sound reproducer, Photoelectric web controlled. W. E. Horton. 2,534,715, Dec. 19.
Sound reproducing apparatus. F. H. Owens. 2,510,599, June 6.
Sound reproducing apparatus. S. Rey. 2,504,587, Apr. 18.
Sound reproducing device. S. Zuerker. 2,534,157, Dec. 12.
Sound reproduction, Plural track. W. V. Wolfe. 2,499,618, Mar. 7.
Sound system, Selectable loudspeaker-earphone. A. P. Hornor. 2,511,917, June 20.
Sound track on a wire record, Method and apparatus for producing a helical magnetic. H. E. Tompkins and W E. Bradley. 2,511,606, June 13.
Sound translating device, Electrical. L. B. Cornwell and J. F. Nielsen. 2,508,783, May 23.
Source transfer switch. R. N. Rowe. 2,494,313, Jan. 10.
Souvenir, Place marker. L. Cardillo. 2,510,551, June 6.
Soybean meal, Preparing. H. O. Renner. 2,524,991, Oct. 10.
Soy protein, Preparation of modified. L. Sair and R. Rathman. 2,502,029, Mar. 28.
Soy protein, Preparation of modified. L. Sair and R. Rathman. 2,502,482, Apr. 4.
Space-charge tube. W. S. Brian. 2,506,265, May 2.
Space discharge device. J. C. Ferguson. 2,535,055, Dec. 26.

Space heater. A. C. Borzner. 2,520,830, Aug. 29.
Space heater. E. R. Edwards. 2,518,982, Aug. 15.
Space heater. A. Fodor. 2,501,812, Mar. 28.
Space heater. F. C. Strebe and M. C. Eliason. 2,517,255, Aug. 1.
Space-heating control system. P. B. Sagar. 2,510,481, June 6.
Space heating system. G. A. Mussen. 2,509,607, May 30.
Space miser clothes rack. B. P. Hermes. 2,505,671, Apr. 25.
Spacer and support for rotatable pipe cleaning machine brushes, Combination brush. M. P. Laurent. 2,499,655, Mar. 7.
Spacer, Carload. H. J. Goff. 2,498,804, Feb. 28.
Spacer, Disk. R. G. Taylor. 2,527,234, Oct. 24.
Spacer for universal chucks, Banking. G. Capellazzi. 2,524,006, Sept. 26.
Spacer for ventilated die cast rotors, Laminated. G. E. Meyer and V. B. Honsinger. 2,504,825, Apr. 18.
Spacer for winding rolls, Roll. M. C. Wooley. 2,504,240, Apr. 18.
Spacer, Furniture. R. F. Sharrow. 2,499,230, Feb. 28.
Spacer or mold surface for the vulcanization of rubber. B. J. Babbitt and G. R. Simmons. 2,501,859, Mar. 28.
Spacer, Variable typewriter. M. R. Chambers. 2,512,825, June 27.
Spacing form for soil pipes. A. L. Seddon. 2,508,044, May 16.
Spacing mechanism for typewriting or like machines, Variable. W. Graepel. 2,527,213, Oct. 24.
Spade attachment, Lawn edging. S. R. Christiansen.. 2,532,147, Nov. 28.
Spader and agitator device for concrete block machines. T. B. Sansbury. 2,498,452, Feb. 21.
Spanner wrench. T. M. Holt. 2,525,222, Oct. 10.
Spark arrester. C. E. Bechtel. 2,524,588, Oct. 3.
Spark arrester and exhaust silencer. F. E. Beckett. 2,526,627, Oct. 24.
Spark gap apparatus. G. H. Gordon and E. C. Hilker. 2,528,050, Oct. 31.
Spark gap mechanism. G. P. Goode and C. K. Gieringer. 2,519,647, Aug. 22.
Spark ignition system for internal-combustion prime movers. J. A. Laird. 2,503,054, Apr. 4.
Spark plug. C. Cipriani, K. I. Robinson, and C. J. Eaton. 2,503,194, Apr. 4.
Spark plug. R. J. L. Dutterer. 2,497,158, Feb. 14.
Spark plug. F. I. McCarthy and C. Schandler. 2,501,826, Mar. 28.
Spark plug. E. W. Mitchel. 2,519,273, Aug. 15.
Spark plug. T. Operhall. 2,521,647, Sept. 5.
Spark plug. G. H. Palmer. 2,498,822, Feb. 28.
Spark plug. G. F. Wetzel. 2,518,844, Aug. 15.
Spark plug cable. E. J. Rennie. 2,515,897, July 18.
Spark plug construction. C. Cipriani and C. J. Eaton. 2,516,754, July 25.
Spark plug construction. E. D. Faatz and M. G. Weatherly. 2,525,536, Oct. 10.
Spark plug for controlling heat ranges. N. Chuy. 2,497,862, Feb. 21.
Spark plug gap tester. J. M. Porter. 2,517,237, Aug. 1.
Spark plug or the like. H. A. Brinson. 2,508,354, May 23.
Spark plug with auxiliary gap. K. Schwartzwalder and R. W. Smith. 2,505,150, Apr. 25.
Spark producing mechanism. M. O'Keeffe. 2,526,151, Oct. 17.
Spatterproof frying pan cover. R. J. Gomez. 2,506,957, May 9.
Spatula, Modeling. A. M. Barroso. 2,511,192, June 13.
Speaker's stand. F. V. Collins. 2,512,828, June 27.
Spear. G. Koscher. 2,510,641, June 6.
Spear, Fishing. W. I. Sweet. 2,509,113, May 23.
Spearing machine, Tobacco. E. J. Stula. 2,495,874, Jan. 31.
Special package. J. F. Terry. 2,512,001, June 20.
Specimen molding. E. F. Champaygne. 2,512,575, June 20.
Spectacle case. R. E. Dingman. 2,498,202, Feb. 21.
Spectacle construction, Split endpiece. J. E. Hansen. 2,521,632, Sept. 5.
Spectacle frame. J. A. Lauber. 2,516,006, July 18.
Spectacle mounting. J. J. Gullen. 2,530,959, Nov. 21.
Spectacle, Semirimless. R. F. E. Stegeman. 2,513,214, June 27.
Spectacle sweat bar. W. Wentworth. 2,496,969, Feb. 7.
Spectacles, Periscope. L. E. Thomas. 2,523,975, Sept. 26.
Spectacles with ornamental chain for holding them in place. B. Fornicoia. 2,494,750, Jan. 17.
Spectrographic treatment of organic materials. D. P. Norman. 2,509,649, May 30.
Spectrometer, Radio-frequency mass. W. H. Bennett. 2,535,032, Dec. 26.
Spectrometer, Vibration. R. M. Langer. 2,496,295, Feb. 7.
Spectrophotometer apparatus having a rotating slotted wheel to decrease light intensity. H. E. Haynes. 2,494,440, Jan. 10.
Spectrophotometer, Automatic. M. D. Liston. 2,517,121, Aug. 1.
Spectroscope, Electronic. A. C. Schroeder and G. C. Szikiai. 2,519,154, Aug. 15.
Speculum, Mouth. V. J. Messine. 2,505,056, Apr. 25.
Speech inverter. L. Körös. 2,530,579, Nov. 21.
Speech privacy apparatus. D. F. Hoth. 2,531,435, Nov. 28.
Speech privacy apparatus. H. P. Hutchinson. 2,495,727, Jan. 31.
Speed and power geared hand wrench. L. S. Schnepel and E. C. Spear. 2,510,483, June 6.
Speedboat. J. S. Mason. 2,495,588, Jan. 24.
Speed change power transmission. J. Schlaepfer. 2,531,992, Nov. 28.
Speed changer, Centrifugal. U. Ranzi. 2,512,438, June 20.
Speed changer, Mechanical. W. R. Isom. 2,504,529, Apr. 18.
Speed changer V-belt pulley. R. H. Carmean. 2,535,668, Dec. 26.
Speed changing apparatus. H. E. Edwards. 2,496,937, Feb. 7.
Speed changing mechanism. W. M. Shibles. 2,511,548, June 13.
Speed control. H. N. Fairbanks and V. H. Eisler. 2,534,430, Dec. 19.
Speed control. A. Garde. 2,524,222, Oct. 3.
Speed control device for resisting operation of the accelerator. R. R. Teetor. 2,519,859, Aug. 22.
Speed control for axial flow fans. B. T. Howes. 2,503,822, Apr. 11
Speed control, Gas hammer. C. S. Weyandt. 2,522,550, Sept. 19.
Speed control means for hydraulic mechanisms. E. F. Jirsa and C. W. Bopp. 2,532,552, Dec. 5.
Speed control mechanism. L. S. Brown. 2,526,726, Oct. 24.
Speed control, Precision. A. F. Fairbanks. 2,523,503, Sept. 26.
Speed control system. R. M. Buckeridge. 2,532,287, Dec. 5.
Speed control system for alternating current motors. L. J. Bulliet. 2,528,467, Oct. 31.
Speed controlled coupling. G. E. Bange. 2,533,755, Dec. 12.
Speed controlling apparatus. A. T. Robertson. 2,502,027, Mar. 28.
Speed controlling mechanism for mail treating machines. R. A. Dohl and E. G. Ziegelhoefer. 2,519,894, Aug. 22.
Speed controlling mechanism for revolving doors. L. E. Telbizoff. 2,511,793, June 13.
Speed governing system for dirigible craft. S. Kellogg, 2nd. 2,496,294, Feb. 7.
Speed indicator. H. L. Burkhardt. 2,511,694, June 13.
Speed limit indicator. G. Greenberg. 2,511,503, June 13.
Speednut holder. M. M. Yourglich and H. M. Bowe. 2,498,324, Feb. 21.
Speed reducer. I. L. Elder. 2,528,470, Oct. 31.
Speed regulator. R. Lee. 2,500,190, Mar. 14.
Speed responsive device. G. T. Randol. 2,534,733, Dec. 19.
Speed responsive hydraulic control means. C. S. J. MacNeil, J. F. Haines, R. E. Moore, F. Mack, and H. Carson. 2,512,803, June 27.
Speed responsive switch. J. L. Petz and C. G. Balliett. 2,493,897, Jan. 10.
Speed responsive valve. M. Mallory. 2,521,736, Sept. 12.
Speed-torque control for wound-rotor induction motors. O. L. Taylor. 2,501,361, Mar. 21.
Speed transmission, Automatic variable. F. H. Wuetig. 2,520,352, Aug. 29.
Speed variator. J. Arter. 2,535,028, Dec. 26.
Speed variator. E. Deletaille. 2,532,762, Dec. 5.
Speed varying transmission. W. A. Duffield. 2,498,797, Feb. 28.
Speedometer, Boat. H. K. Bluhm. 2,525,639, Oct. 10.
Speedometer for automotive vehicles, Electrically operated. H. B. Jaynes. 2,529,082, Nov. 7.
Spheroidal desiccant, Preparation of. C. J. Plank. 2,499,680, Mar. 7.
Spheroidal Fischer-Tropsch catalyst, Preparation of a. R. N. Watts. 2,530,345, Nov. 14.
Spice product and making the same. H. R. Ansel. 2,507,084, May 9.
Spike. B. Omoto. 2,513,513, July 4.
Spike for shoes. A. B. MacNeill. 2,506,801, May 9.
Spike, Railroad. H. H. Clark. 2,530,229, Nov. 14.
Spike, Railroad. C. L. Sharp. 2,533,901, Dec. 12.
Spin curler. J. H. Warrington and J. C. Williams. 2,515,751, July 18.
Spindle. W. S. Pierce, Jr. 2,510,292, June 6.
Spindle. A. F. Victor. 2,521,427, Sept. 5.
Spindle and bearing assembly. C. D. Paul. 2,517,231, Aug. 1.
Spindle and bearing assembly. E. V. Schneider. 2,503,971, Apr. 11.
Spindle and bolster and lubrication means therefor. E. B. Robinson and J. C. Costner. 2,499,075, Feb. 28.
Spindle and mounting, Textile. L. E. Keene, and F. G. De Santis. 2,525,911, Oct. 17.
Spindle bearing. L. Gamet. 2,499,640, Mar. 7.
Spindle brake. F. D. Boyden. 2,533,162, Dec. 5.
Spindle, Cotton picker. C. A. Kallgren. 2,497,776, Feb. 14.

Spindle, Cotton picker. L. A. Paradise. 2,504,723, Apr. 18.
Spindle, Cotton picker. T. M. Searles. 2,508,842, May 23.
Spindle, Double twist. V. M. J. Ancet. 2,524,217, Oct. 3.
Spindle driving mechanism for spinning frames. J. A. Kooistra. 2,519,769, Aug. 22.
Spindle for twisting machines and the like, Creel. S. W. Burlingame. 2,509,333, May 30.
Spindle for yarn packages, Supporting. A. Robertson. 2,497,796, Feb. 14.
Spindle, guard, and punch, Combined filing. G. L. Gilbert. 2,520,361, Aug. 29.
Spindle, High-speed spinning or twisting. K. Beerli. 2,529,904, Nov. 14.
Spindle machine for molding dough. D. Brander and H. Hamill. 2,522,599, Sept. 19.
Spindle, Machine tool. H. N. Stephan. 2,501,421, Mar. 21.
Spindle moistener mechanism. J. D. Rust. 2,525,184, Oct. 10.
Spindle, Phonograph. E. C. Guedon. 2,514,949, July 11.
Spindle, Phonograph record holding. W. Faulkner. 2,498,333, Feb. 21.
Spindle, Phonograph turntable. B. R. Carson. 2,501,312, Mar. 21.
Spindle, Phonograph turntable. B. R. Carson. 2,517,630, Aug. 8.
Spindle, Picker. D. B. Baker and C. R. Hagen. 2,497,777, Feb. 14.
Spindle, Pneumatic cotton-picking. C. O. Arneson. 2,493,564, Jan. 3.
Spindle, Record changer. H. E. F. C. Lingenbrink. 2,530,435, Nov. 21.
Spindle, Record changer. W. Miller and J. L. D. Morrison. 2,523,045, Sept. 19.
Spindle, Removable axle. R. W. Pointer. 2,501,579, Mar. 21.
Spindle, Reversible. H. G. Swanson. 2,509,791, May 30.
Spindle, Roller-bearing. J. L. Hilton. 2,514,157, July 4.
Spindle structure, Spinning and twisting. J. A. Kennedy. 2,497,834, Feb. 14.
Spindle, Twister. E. Koella. 2,511,638–9, June 13.
Spindle with eccentric work support, Work. C. E. Miller. 2,517,908, Aug. 8.
Spinner. J. H. Arff. 2,503,607, Apr. 11.
Spinner. F. G. Swan. 2,516,434, July 25.
Spinner mounting. T. B. Martin and H. R. Williams. 2,520,687, Aug. 29.
Spinner, Trolling. T. A. Wood. 2,497,807, Feb. 14.
Spinnerette and mounting therefor. R. H. de Lacotte and E. Colombu. 2,512,488, June 20.
Spinning and twisting mechanism, Strand. J. A. McCann. Re. 23,232, May 23.
Spinning apparatus, Rod. R. A. McCallum and E. M. Luce. 2,531,821, Nov. 28.
Spinning artificial filaments. J. W. Pedlow, W. L. Webb, and I. S. Roberts. 2,510,135, June 6.
Spinning artificial filaments. R. W. Stanley. 2,532,465, Dec. 5.
Spinning artificial materials. J. W. Fisher, E. W. Wheatley, and H. Bates. 2,512,891, June 27.
Spinning control, Automatic. E. F. Culbreath. 2,503,099, Apr. 4.
Spinning device. O. M. Gahagan. 2,493,129, Jan. 3.
Spinning device. C. Hatfield. 2,497,082, Feb. 14.
Spinning device for airplane landing wheels. C. T. Sands, Jr. 2,500,577, Mar. 14.
Spinning gun for the production of filaments. F. W. Manning. 2,522,526, Sept. 19.
Spinning gun for the production of filaments and making nonwoven fabrics. F. W. Manning. 2,522,527, Sept. 19.
Spinning-in the ends of tubes. E. A. Blampin. 2,524,420, Oct. 3.
Spinning machine and method, Direct. C. E. Neisler, Jr. 2,497,511, Feb. 14.
Spinning machinery. H. C. Bechtler. 2,522,250, Sept. 12.
Spinning machines, Spindle of yarn. R. G. Peeples. 2,517,920, Aug. 8.
Spinning of textile fibers, Wet. E. V. Painter, Jr. 2,493,359, Jan. 3.
Spinning of viscose. N. L. Cox. 2,535,044–5, Dec. 26.
Spinning of viscose. N. L. Cox. 2,536,014, Dec. 26.
Spinning process and compositions. T. G. Finzel and G. F. D'Alelio. 2,515,206, July 18.
Spinning top with attached flexible ball chain member. J. T. Radovan. 2,535,157, Dec. 26.
Spinning, twisting, and analogous machine, Centrifugal. F. Wright. 2,520,078, Aug. 22.
Spinning type casting reel. C. F. Dunn. 2,525,289, Oct. 10.
Spinning viscose. N. Drisch and R. Priou. 2,511,699, June 13.
Spinograph method and apparatus. J. C. Thompson. 2,532,967, Dec. 5.
Spiral bevel gears and hypoid gears, Making. G. E. Soper. 2,510,528, June 6.
Spiral bobby pin. B. Adler. 2,523,548, Sept. 26.
Spiral broaches, Method and apparatus for producing. W. O. Nixon. 2,510,830, June 6.
Spiral centralizer, Double bow reverse. J. G. Willhoit. 2,515,149, July 11.

Spiral flame gas burner. M. W. Kirk and H. O. Sherwood. 2,530,617, Nov. 21.
Spiral thermostatic switch. W. Orvedahl. 2,495,819, Jan. 31.
Spiral wound tension springs, Method and device for making biased. A. and L. de Vries. 2,495,212, Jan. 24.
Spirit level. J. and V. Schultes. 2,502,235, Mar. 28.
Spirit level. H. Stahlin. 2,506,115, May 2.
Spirit level. A. Wood. 2,505,166, Apr. 25.
Spirometer apparatus for determining the characteristic of metabolism. A. Fleisch. 2,527,716, Oct. 31.
Spit, Foldable roasting. C. W. Porter. 2,535,548, Dec. 26.
Splash shield closing means for acetylene generators. C. M. Johnson. 2,533,117, Dec. 5.
Splicer and viewer, Film. H. B. Corsaw. 2,495,957, Jan. 31.
Splicer, Tube. M. Engler. 2,534,252, Dec. 19.
Splicer, Wire. A. E. Aune. 2,498,062, Feb. 21.
Splicing apparatus, Film. H. C. Foster. 2,508,243, May 16.
Splicing device, Strand. P. Nielsen. 2,500,004, Mar. 7.
Splicing machine, Curing bag. H. S. Peterson and H. A. Anderson. 2,510,715, June 6.
Splicing thermoplastic monofilaments. F. J. Groten and W. J. Nanfeldt. 2,514,197, July 4.
Splicing thermoplastic monofilaments. J. H. Lower 2,514,184, July 4.
Splicing threads. E. J. Abbott. 2,515,172, July 18.
Splint, Forearm. F. C. Shaw. 2,529,786, Nov. 14.
Splint, Intramedullary. J. T. Kane. 2,518,019, Aug. 8.
Splint, Metacarpal. D. Goldberg. 2,520,035, Aug. 22.
Splint, Nasal septum. R. R. Lind. 2,509,157, May 23.
Splint, Surgical. R. Persall. 2,497,626, Feb. 14.
Splint, Surgical. L. A. Wilson. 2,511,659, June 13.
Splitter using rotating holder and yieldable knife, Apricot. J. C. Stroeve. 2,525,245, Oct. 10.
Spoke tightener having spring-closed nut-engaging jaws spaced from spoke-receiving notch. J. Accola. 2,525,253, Oct. 10.
Sponge-forming compositions, Making. A. C. Petiton. 2,495,237, Jan. 24.
Sponge, Pressure fountain cleaning. M. F. Orndorff. 2,501,289, Mar. 21.
Sponge products, Production of latex foam. G. T. Bau. 2,512,475, June 20.
Sponges, Preparing artificial. R. L. Saint-Denis. 2,512,506, June 20.
Spool. F. J. Lenox. 2,519,840, Aug. 22.
Spool. F. J. Lenox. 2,525,415, Oct. 10.
Spool and rod supporting structure for fishing reels. E. J. Von Pein. 2,502,608, Apr. 4.
Spool and scissors holder. H. A. Zierold and M. J. West. 2,532,654, Dec. 5.
Spool axminster carpet loom. I. B. Bassindale. 2,494,983, Jan. 17.
Spool, Collapsible take-up. H. G. Proctor. 2,529,185, Nov. 7.
Spool for flexible binders. D. P. Mullaney. 2,527,842, Oct. 31.
Spool for holding fishline leaders. W. A. Ellis. 2,514,697, July 11.
Spool release for spinning frames. R. N. Moody. 2,505,567, Apr. 25.
Spool, Winding. A. P. D. Belanger. 2,532,658, Dec. 5.
Spooler, Sand line. L. F. Tuel. 2,495,039, Jan. 17.
Spoon, Electric. B. and R. Lipnicki. 2,533,947, Dec. 12.
Spoonmaking machine. B. J. Grasberger. 2,509,915, May 30.
Spoon, Measuring. W. R. Chadwick. 2,521,343, Sept. 5.
Spoon, Medical. E. S. Comstock. 2,532,696, Dec. 5.
Spoons or the like, Manufacturing. J. N. Gehred. 2,535,406, Dec. 26.
Sport garment. I. E. Yates. 2,523,175, Sept. 19.
Sportsman's pocket-size collapsible tree seat. W. O. Roeder. 2,512,174, June 20.
Sports net support. D. L. Malcolm, Jr. 2,518,702, Aug. 15.
Spotlight, Automobile. R. Daon. 2,494,288, Jan. 10.
Spotlight switch. G. E. Roedding. 2,497,034, Feb. 7.
Spot welding apparatus, Electric resistance. H. A. Mullen. 2,502,876, Apr. 4.
Spotter mechanism. S. Rappaport and B. G. Proctor, Jr. 2,528,912, Nov. 7.
Spotting device, Bowling pin. J. J. West and E. L. Freeman. 2,499,081, Feb. 28.
Spout attachment for cans, Slidable. J. B. Violette. 2,498,318, Feb. 21.
Spout, Carton pouring. R. M. Dunning. 2,509,289, May 30.
Spout for cans, Drinking. J. Maged and C. M. Kramer. 2,530,253, Nov. 14.
Spout for ice cream machines, Package filling. R. J. H. Lane. 2,502,329, Mar. 28.
Spout for resilient walled dispensers, Discharge. H. B. Lermer. 2,500,639, Mar. 14.
Spout for water outlets, Drinking. R. G. Shoemaker. 2,533,636, Dec. 12.
Spout, including a split circular channel-shaped attaching band. H. E. Jacobsen. 2,520,549, Aug. 29.
Spout, Liquid level controlled filling. O. F. Rhodes. 2,504,450, Apr. 18.

Spout magnet assemblage. W. M. Bradley. 2,517,174, Aug. 1.
Spout, Oilcan, structure and attaching the spout. J. Coyle. 2,535,837, Dec. 26.
Spout or faucet for containers, Pouring. S. M. Roberts. 2,498,222, Feb. 21.
Spout, Package. W. F. Telschow. 2,510,530, June 6.
Spout, Retractable pouring. F. R. Ruther. 2,519,705, Aug. 22.
Spout structure for liquid containers, Flexible pouring. L. J. Wells. 2,533,305, Dec. 12.
Sprag type overrunning clutch. J. T. Gondek. 2,520,004, Aug. 22.
Spray and washing device, Pressure. D. S. Whisenhunt. 2,528,566, Nov. 7.
Spray apparatus, Paint. T. R. Magowan. 2,495,587, Jan. 24.
Spray apparatus with oscillatory discharge means. J. N. Welch. 2,532,211, Nov. 28.
Spray application of dyestuff and other materials. F. C. Wedler. 2,532,471, Dec. 5.
Spray, Bath. C. T. Manville and P. S. Madsen. 2,520,770, Aug. 29.
Spray, Bathroom. D. W. Du-For. 2,504,506, Apr. 18.
Spray booth. W. W. Loney. 2,527,139, Oct. 24.
Spray coating electrode structure. R. H. Stone. 2,531,542, Nov. 28.
Spray collector, Waste. A. Di Stefano. 2,514,748, July 11.
Spray, Cooling tower. J. A. Coy. 2,530,002, Nov. 14.
Spray device. J. T. Kremer. 2,511,474, June 13.
Spray drier. T. R. Komline. 2,506,646, May 9.
Spray drying device. O. T. Pieper. 2,515,665, July 18.
Spray for dental engines, Air and water. R. J. Broussard and J. G. Tilly. 2,532,054, Nov. 28.
Spray gun. D. J. Peeps. 2,533,953, Dec. 12.
Spray gun attachment. B. C. Amore. 2,511,684, June 13.
Spray gun for fire apparatus and the like. B. D. Barton. 2,520,824, Aug. 29.
Spray gun handle. A. R. Lofstrand, Jr. 2,512,281, June 20.
Spray gun, Internal mix. W. P. Dalrymple. 2,518,759, Aug. 15.
Spray head. C. J. Nulph. 2,526,265, Oct. 17.
Spray head. D. J. Peeps. 2,526,405, Oct. 17.
Spray head. N. C. Stearns. 2,526,778, Oct. 24.
Spray head for fire sprinkler systems. F. J. Lee. 2,493,982, Jan. 10.
Spray head for lawn sprinkler systems. H. D. Maness. 2,527,950, Oct. 31.
Spray head, Pop-up. M. E. Snoddy. 2,514,346, July 4.
Spray head, Rotatable. N. M. Rieger. 2,493,595, Jan. 3.
Spray head, Trigger actuated portable. F. H. Ellinger. 2,532,270, Nov. 28.
Spray particle collector. L. M. Cooper. 2,509,861, May 30.
Spray, Pump. S. A. Hayes. 2,521,164, Sept. 5.
Spray pump. G. C. Pharo. 2,515,568, July 18.
Spray residue removal composition and method. R. H. Larsen and F. Bresee, Jr. 2,493,460, Jan. 3.
Sprayer. R. R. Root. 2,512,778, June 27.
Sprayer. W. M. Vogel. 2,530,557, Nov. 21.
Sprayer. K. G. Wanke. 2,535,469, Dec. 26.
Sprayer actuated by supersonic waves, Jet. C. W. Hansell. 2,512,743, June 27.
Sprayer, Animal. G. B. Suttles, Jr. 2,524,641, Oct. 3.
Sprayer, Cattle. S. L. Evans. 2,498,946, Feb. 28.
Sprayer, Dry powder. E. Gustafsson, J. W. Baur, and T. Kern. 2,501,047, Mar. 21.
Sprayer, Gun type garden. P. Adragna. 2,523,084, Sept. 19.
Sprayer, Livestock. W. and W. H. Abildgaard. 2,529,530, Nov. 14.
Sprayer or atomizer. F. A. Simmons. 2,494,837, Jan. 17.
Sprayer, Portable lawn. N. Gol. 2,518,771, Aug. 15.
Sprayer, Powder. F. R. Chester. 2,515,193, July 18.
Sprayer, Powder. J. W. Cimbura and E. C. Ives. 2,518,522–3, Aug. 15.
Sprayer regulator. J. Kailenta. 2,529,341, Nov. 7.
Sprayer, Revolving. G. R. Chapin. 2,511,969, June 20.
Spraying. D. F. Starr. 2,497,101, Feb. 14.
Spraying and compressor unit, Combined. A. C. Sproat. 2,521,313, Sept. 5.
Spraying apparatus. A. Lishman. 2,495,375, Jan. 24.
Spraying apparatus. C. R. Strickland. 2,512,782, June 27.
Spraying apparatus. J. Winks and L. Fletcher. 2,529,645, Nov. 14.
Spraying apparatus, Aerial. R. Pierson. 2,504,580, Apr 18.
Spraying apparatus, Automatic. E. L. Malhiot. 2,518,038, Aug. 8.
Spraying apparatus for internally coating pipes. M. C. Green. 2,520,397, Aug. 29.
Spraying apparatus for molten materials, Portable. E. L. Trimm and N. Arnow. 2,530,186, Nov. 14.
Spraying apparatus for treating livestock. H. E. Whitmire and R. J. Knepper. 2,532,251, Nov. 28.
Spraying apparatus, Multichromatic. E. M. Clark and F. E. Ledecq. 2,513,081, June 27.
Spraying apparatus, Road. I. E. Gunnison. 2,525,128, Oct. 10.
Spraying apparatus support. W. L. and W. K. Hamilton. 2,507,668, May 16.
Spraying device. H. G. Hansen. 2,515,598, July 18.
Spraying device. A. B. Hughes. 2,507,524, May 16.
Spraying device. J. A. Marcuse. 2,516,401, July 25.
Spraying device. H. R. Stagner. 2,531,650, Nov. 28.
Spraying device for liquids. E. W. Vose. 2,528,927, Nov. 7.
Spraying device for spraying and fusing powdered material. M. A. Sandora and C. E. Freeman. 2,510,143, June 6.
Spraying device for use in sprayers of the articulated boom type, Dirigible. Erwin D., and Elmer C. Schlaphoff. 2,514,725, July 11.
Spraying equipment. W. P. Dalrymple. 2,508,597, May 23.
Spraying machine. F. W. Ofeldt. 2,515,792, July 18.
Spraying machine for containers, Selective. D. J. Palermo. 2,505,063, Apr. 25.
Spraying mechanism. L. B. Goda. 2,512,542, June 20.
Spraying multicolored coatings. A. H. Downs. 2,504,117, Apr. 18.
Spraying or projecting powder. C. L. Kark. 2,501,279 Mar. 21.
Spreader. C. L. Carelock. 2,521,565, Sept. 5.
Spreader, Aggregate. N. Harris. 2,525,646, Oct. 10.
Spreader and applicator, Bobby-pin. J. L. Guss. 2,529,385, Nov. 7.
Spreader and dispenser, Bobby pin. A. H. Carlson. 2,511,768, June 13.
Spreader and guide for electric selector switches, Contact brush. G. Deakin. 2,495,701, Jan. 31.
Spreader, Bag. H. D. Haslett. 2,505,289, Apr. 25.
Spreader, Bobby pin. W. A. and M. Williams. 2,509,897, May 30.
Spreader device, Portable. J. McElhatton. 2,514,962, July 11.
Spreader, Fertilizer. R. D. Acton. 2,532,050, Nov. 28.
Spreader, Fertilizer. M. J. Gjertson. 2,519,243, Aug. 15.
Spreader, Fertilizer. E. L. Masters. 2,513,810, July 4.
Spreader, Fertilizer. E. L. Masters. 2,533,386, Dec. 12.
Spreader, Fluid. S. Goldspiel and J. Meisler. 2,496,712, Feb. 7.
Spreader for fabric treating machines, Braced. H. Stubblebine. 2,503,524, Apr. 11.
Spreader for hide and skin treating machines, Work. A. R. Le Blanc. 2,501,182, Mar. 21.
Spreader, Hand carried seed and fertilizer. W. E. Porter. 2,495,906, Jan. 31.
Spreader hopper and mounting attachment. F. K. Tarrant. 2,496,504, Feb. 7.
Spreader, Lateral. G. O. Hoffstetter. 2,500,681, Mar. 14.
Spreader, Lime. J. M. Markel. 2,518,802, Aug. 15.
Spreader machine, Fertilizer. W. H. Stiteler. 2,522,693, Sept. 19.
Spreader, Manure. E. McCloy. 2,523,994, Sept. 26.
Spreader, Material. H. J. Seaman and H. J. Ascherin. 2,508,195, May 16.
Spreader, Powdered material. C. L. Rosselot. 2,511,514, June 13.
Spreader, Sand. E. A. Martin. 2,512,955, June 27.
Spreader, Tire casing. B. Goodman. 2,496,389, Feb. 7.
Spreader, Tubular fabric. G. A. Johnson. 2,507,599, May 16.
Spreader, Upholstery. A. D. Human. 2,516,320, July 25.
Spreaders for circular saw wood cutting machines. C. Galanga. 2,530,867, Nov. 21.
Spreading attachment, Auxiliary. R. A. Shaw. 2,515,269, July 18.
Spreading machine, Fertilizer. H. J. Weyer. 2,498,833, Feb. 28.
Spreading machine, Sheet material. H. W. Gilbert, F. H. Dexter, and W. Deichmann. 2,520,895, Aug. 29.
Spring: *See*—
- Arc box holding spring.
- Bed spring.
- Clutch spring.
- Double-spiral spring.
- Garter spring.
- Leaf spring.
- Protection rod spring.
- Serpentine spring.
- Shock and sway resisting overload spring.
- Single-leaf vehicle spring.
- Tension spring.
- Tube and bourdon spring.
- Vehicle spring.
- Window movement control spring.

Spring. J. C. Collette. 2,514,475, July 11.
Spring aligned universal joint socket wrench. R. F. Cooley. 2,499,569, Mar. 7.
Spring anchoring means, Clock. F. Fengler. 2,522,107, Sept. 12.
Spring-anchoring means, Detachable. F. Fengler. 2,501,384, Mar. 21.
Spring and axle assembly, Vehicle. C. C. Stuart. 2,517,940, Aug. 8.
Spring and mattress, Adjustable bed. J. Alexander. 2,519,729, Aug. 22.
Spring and method. F. K. Bloom. 2,527,521, Oct. 31.
Spring and shock absorbing device, Adjustable pneumatic suspension. S. A. Nilsson. 2,523,714, Sept. 26.
Spring and snubber for railway car trucks, Combined. R. G. Tillou. 2,525,976, Oct. 17.
Spring and vibration damper therefor. D. C. Kennard, Jr. 2,520,937, Sept. 5.
Spring-applied electromagnetic released brake. E. E. Hallander. 2,512,565, June 20.
Spring applied electromagnetically released brake. R. G. Le Tourneau. 2,506,028, May 2.

Spring applied vacuum released brake. M. E. Nielsen. 2,499,154. Feb. 28.
Spring assembly for automatic firearms, Buffer. R. E. Botts and L. F. Young. 2,504,958, Apr. 25.
Spring bar. J. S. Feiner and L. L. Stone. 2,507,701, May 16.
Spring biased pivoted fuse terminal clip. D. F. Daly. 2,526,201, Oct. 17.
Spring bracer. R. Cover. 2,525,065, Oct. 10.
Spring clamp. S. J. Baril. 2,515,849, July 18.
Spring clip. B. F. Kiesel. 2,495,848, Jan. 31.
Spring clip type snap fastener. W. A. Bedford, Jr. 2,526,532, Oct. 17.
Spring clutch device. W. C. Starkey. 2,516,269, July 25.
Spring dampener. J. L. Sjolander. 2,530,034, Nov. 14.
Spring device. A. F. O'Connor. 2,523,479, Sept. 26.
Spring device. A. F. O'Connor. 2,530,072, Nov. 14.
Spring device for drop end doors of gondola cars. O. Ingram. 2,506,218, May 2.
Spring device for use with vehicles, Damped. G. Chausson. 2,520,528, Aug. 29.
Spring disk wheel. G. Orbin. 2,524,824, Oct. 10.
Spring ejected toy vehicle. C. T. Borchers. 2,522,160, Sept. 12.
Spring ejecting tool. W. D. Whitney. 2,508,555, May 23.
Spring fastening means. G. L. Beckstrom. 2,526,320, Oct. 17.
Spring for magazine type firearms, Carrier. D. M. Williams. 2,506,982 May 9.
Spring for press recoil mechanisms, Compression. A. L. Nugey. 2,509,274, May 30.
Spring for slidable windows, Counterbalanced. F. Roth. 2,505,142, Apr. 25.
Spring-frame supporting bracket. H. G. Wickman. 2,530,640, Nov. 21.
Spring group. R. B. Cottrell. 2,527,356, Oct. 24.
Spring guide means for pipe lining machines. N. L. Scott. 2,527,083, Oct. 24.
Spring hinge. R. Vogel. 2,509,462, May 30.
Spring hinged clip. J. M. Oldak. 2,503,167, Apr. 4.
Spring-hinged two-part receptacle. J. J. Lynch. 2,531,066, Nov. 21.
Spring hook. R. K. Hertel and G. F. Nicolson. 2,506,593, May 9.
Spring loaded tool joint dressing tool. S. C. Moore. 2,528,474, Oct. 31.
Spring loop forming device. J. S. Burgé, H. J. McKee, and W. M. Rider. 2,505,942, May 2.
Spring microbalance. J. H. Cahn. 2,525,587, Oct. 10.
Spring motor. B. P. Middlestetter. 2,493,989, Jan. 10.
Spring mounting for seats. P. Sterzer. 2,529,639, Nov. 14.
Spring mounting means for vehicle wheels. H. Neidhart-Locher. 2,518,809, Aug. 15.
Spring nut lock. L. Lachatre. 2,534,035, Dec. 12.
Spring packing. G. Schulein. 2,499,333, Feb. 28.
Spring pivot for relay armatures, Adjustable. P. Cibie. 2,509,724, May 30.
Spring plug for watch band attachments. B. Milner. 2,536,007, Dec. 26.
Spring plunger switch. H. W. Batcheller. 2,526,061, Oct. 17.
Spring powered electric generator. G. Boe. 2,524,005, Sept. 26.
Spring retainer for spring actuated poppet valves. G. G. Holdsworth. 2,523,570, Sept. 26.
Spring seat. B. R. Jones and G. L. Goebel. 2,523,375, Sept. 26.
Spring seat support. C. F. Bruhn. 2,503,796, Apr. 11.
Spring shackle of C type construction. H. M. Gray. 2,496,713, Feb. 7.
Spring shackle tool. H. A. Mearns and J. G. Nelson. 2,494,252, Jan. 10.
Spring structure. V. Asaro. 2,532,875, Dec. 5.
Spring support. A. J. Loepsinger. 2,535,305, Dec. 26.
Spring supported tractor seat. S. Adkins. 2,512,219, June 20.
Spring supported tractor seat. C. H. Gillespie. 2,526,552, Oct. 17.
Spring suspension. W. F. Benning. 2,509,625, May 30.
Spring suspension. M. R. Famiglietti. 2,505,733, Apr. 25.
Spring suspension for automotive vehicles. J. D. Fowler. 2,512,057, June 20.
Spring suspension for motor vehicle. N. C. Stull. 2,507,424, May 9.
Spring suspension, Locomotive. B. F. Langer. 2,501,342, Mar. 21.
Spring suspension, Tandem axle. V. Frazier. Re. 23,252, Aug. 1.
Spring suspension, Vehicle. A. W. Aspin. 2,494,683, Jan. 17.
Spring suspension, Vehicle. J. Roehrig. 2,510,418, June 6.
Spring suspension, Vehicle. E. T. Yonamine. 2,524,505, Oct. 3.
Spring system. R. Saulnier. 2,520,017, Aug. 22.
Spring tine mounting. C. J. Scranton. 2,514,560, July 11.
Spring-tooth harrow. F. C. Hall. 2,516,463, July 25.
Spring unraveler. J. L. Maheu. 2,527,751, Oct. 31.
Springless electric push-button switch. N. A. Matheis. 2,523,438, Sept. 26.
Springs and the like, Stringing. J. F. Campbell and H. E. Riggs. 2,494,227, Jan. 10.
Sprinkler. P. C. Crowder. 2,493,528, Jan. 3.
Sprinkler. H. B. Parker. 2,501,912, Mar. 28.
Sprinkler. M. D. Morgan. 2,509,576, May 30.
Sprinkler. D. E. Ratliff. 2,529,262, Nov. 7.
Sprinkler. J. A. Royer. 2,509,076, May 23.
Sprinkler, Automatic. A. J. Loepsinger. 2,528,063, Oct. 31.
Sprinkler, Disappearing. A. C. Oughton. 2,501,910, Mar. 28.
Sprinkler, Disappearing lawn. J. J. Pfeiffer. 2,513,047, June 27.
Sprinkler, Dome-shaped lawn. G. L. Butler. 2,519,738, Aug. 22.
Sprinkler head. C. H. Ramsdell. 2,495,346, Jan. 24.
Sprinkler head. A. C. Rowley. 2,502,754, Apr. 4.
Sprinkler head and mounting therefor. A. C. Rowley. 2,534,066, Dec. 12.
Sprinkler head assembly. A. C. Rowley. 2,531,790, Nov. 28.
Sprinkler head, Atomizing. A. C. Rowley. 2,531,789, Nov. 28.
Sprinkler head, Automatic. A. C. Rowley. 2,526,159, Oct. 17.
Sprinkler head, Tamper proof. A. C. Rowley. 2,519,704, Aug. 22.
Sprinkler, Hydro jet. F. H. Smith. 2,531,923, Nov. 28.
Sprinkler, Lawn. R. Brown and H. E. Metcalf. 2,532,356, Dec. 5.
Sprinkler, Lawn. F. C. Coombs. 2,535,723, Dec. 26.
Sprinkler, Lawn. E. H. Dammeyer. 2,509,762, May 30.
Sprinkler, Lawn. W. F. Ginsberg. 2,525,540, Oct. 10.
Sprinkler, Lawn. T. H. McKinley. 2,506,032, May 2.
Sprinkler, Lawn. A. C. Schleh. 2,524,930, Oct. 10.
Sprinkler, Lawn and garden. C. H. Landis. 2,526,958, Oct. 24.
Sprinkler, Pattern. H. H. Owbridge. 2,530,779, Nov. 21.
Sprinkler system, Fire protection automatic. R. W. Gieseler. 2,505,761, May 2.
Sprinkler system for piers. H. N. Rider. 2,515,473, July 18.
Sprinkler, Turbine. H. F. Unger. 2,505,582, Apr. 25.
Sprinkling apparatus, Field. D. C. Mansur. 2,516,711, July 25.
Sprinkling device operated by the sun's rays. R. V. Higgins. 2,524,796, Oct. 10.
Sprouted legumes, Production of. B. B. Stoller. 2,522,409, Sept. 12.
Spud for flush tank levers. B. R. Crampton. 2,497,396, Feb. 14.
Spur for bass drums. F. Sikora. 2,503,135, Apr. 4.
Square, Roofing and calculating. G. R. Anderson. 2,528,633, Nov. 7.
Squeezer with rotating and reciprocating cup, Citrus fruit. B. F. Wissner. 2,497,335, Feb. 14.
Squelch or muting of amplifiers. H. A. Bass. 2,507,432, May 9.
Squirrel-cage armature of induction motor with bridge resistance. V. Klima. 2,528,960, Nov. 7.
Squirrel-call sound box. S. S. Thomson and C. A. Hendrix. 2,515,023, July 11.
Stabilization. L. I. Hansen and G. E. P. Smith, Jr. 2,514,198, July 4.
Stabilization of crops. J. A. Chenicek. 2,513,002, June 27.
Stabilization of dichlorobutadiene resins. E. P. Steil and L. O. Bentz. 2,514,216, July 4.
Stabilization of directional devices. C. L. Norden. 2,499,228, Feb. 28.
Stabilization of edible fats, oils, and foods containing fats and oils. F. D. Tollenaar. 2,502,109, Mar. 28.
Stabilization of eggs. C. Hale and P. Schauert. 2,497,817, Feb. 14.
Stabilization of fatty materials. H. C. Black. 2,494,114, Jan. 10.
Stabilization of halogenated organic compounds. R. M. Thomas. 2,493,427, Jan. 3.
Stabilization of hydroperoxides. E. J. Lorand and J. E. Reese. 2,527,640, Oct. 31.
Stabilization of low unsaturation isoolefinic copolymers. C. F. Van Gilder. 2,500,780, Mar. 14.
Stabilization of monomeric 1,1-dicyano ethylene. F. F. Miller. 2,535,861, Dec. 26.
Stabilization of nickel catalysts, Liquid. J. E. Ahlberg and C. F. Hiskey. 2,495,497, Jan. 24.
Stabilization of nuclear chlorostyrenes by 2,6-dinitrophenols. S. S. Drake, and J. L. Lang. 2,526,567, Oct. 17.
Stabilization of organic compounds. L. Schmerling, 2,521,415, Sept. 5.
Stabilization of organic compounds. R. B. Thompson and J. A. Chenicek. 2,518,577, Aug. 15.
Stabilization of organo-siloxanes. J. A. Chenicek. 2,517,536, Aug. 8.
Stabilization of perfluoro oils. W. B. Burford, III, and C. E. Weber. 2,496,115, Jan. 31.
Stabilization of peroxide solutions. A. A. Elston. 2,497,814, Feb. 14.
Stabilization of phenylene diamines and aminophenols with amine-sulfur dioxide reaction products. R. B. Thompson. 2,521,425, Sept. 5.
Stabilization of polymeric organic compounds. C. J. Chaban. 2,507,142, May 9.
Stabilization of polymerizable mixtures. H. L. Gerhart. 2,493,343, Jan. 3.

Stabilization of polymerization products. C. J. Chaban. 2,507,143, May 9.
Stabilization of polymers with an inorganic peroxide and an ester of an oxyacid of phosphorus. C. J. Chaban. 2,493,390, Jan. 3.
Stabilization of regenerated cellulose. E. C. Pfeffer, Jr., and J. Epelberg. 2,530,175, Nov. 14.
Stabilization of rubbery copolymers with stannous phenylcatecholates. H. E. Albert. 2,514,221, July 4.
Stabilization of sensitivity of metallic titanate piezoelectric elements. G. N. Howatt. 2,507,253, May 9.
Stabilization of soft roes of fish and product obtained thereby. L. Bénard. 2,522,560, Sept. 19.
Stabilization of sulfolanyl ethers. D. W. Elam, R. C. Morris, and J. L. Van Winkle. 2,502,934, Apr. 4.
Stabilization of synthetic and natural rubber with antimony salts of phenol sulfides. H. E. Albert. 2,514,193, July 4.
Stabilization of synthetic elastomers. E. P. Rittershausen and P. D. Sharpe. 2,502,391, Mar. 28.
Stabilization of synthetic rubbers. H. E. Albert. 2,514,210, July 4.
Stabilization of tetrahydrofuran. W. S. Hinegardner. 2,525,410, Oct. 10.
Stabilization of 3,4-dihydro-1,2-pyran-2-carboxaldehyde. R. R. Whetstone. 2,514,688, July 11.
Stabilization of viscous dispersions of cottonseed proteins. J. C. Arthur, Jr. 2,531,383, Nov. 28.
Stabilization of xylidine. J. C. Munday. 2,493,544, Jan. 3.
Stabilization of xylidene. D. T. Rogers. 2,512,504, June 20.
Stabilization process. W. K. T. Gleim and J. A. Chenicek. 2,535,058, Dec. 26.
Stabilization system, Automatic frequency. G. Guanella and W. Steinmann. 2,522,371, Sept. 12.
Stabilized ammonium mahogany sulfonates. M. P. Kleinholz and T. A. Hack. 2,522,518–19, Sept. 19.
Stabilized composition. B. B. McHan. 2,529,405, Nov. 7.
Stabilized dispersions and shaped articles made therefrom. P. M. Travis. 2,517,737, Aug. 8.
Stabilized frequency divider circuit. A. H. Frederick. 2,530,427, Nov. 21.
Stabilized high-frequency amplifier. W. R. Koch. 2,510,640, June 6.
Stabilized lubricating grease composition. H. G. Smith and T. L. Cantrell. 2,506,906, May 9.
Stabilized system for controlling a condition. P. Glass. 2,509,295, May 30.
Stabilized thermoplastic cellulose ether composition. W. Koch and G. H. Pyle. 2,535,361, Dec. 26.
Stabilizer, Boat. J. H. Jacobs. 2,509,974, May 30.
Stabilizer, Filament current. E. B. Graves. 2,518,539, Aug. 15.
Stabilizer for airplanes, Automatic. J. Marques. 2,496,100, Jan. 31.
Stabilizer for DDT petroleum solutions, Lecithin. C. W. Moberly. 2,516,477, July 25.
Stabilizer for helicopters, Automatic. M. F. Bates. 2,529,479, Nov. 14.
Stabilizer for inner spring units. J. Martin. 2,509,831, May 30.
Stabilizer for instruments on ships, Aperiodic. W. K. H. Panofsky. 2,514,290, July 4.
Stabilizer for weighing scale pivotal connections. N. E. Hart and W. A. Guss. 2,523,429, Sept. 26.
Stabilizer mechanism for vehicle drive shafts. C. D. Wicks. 2,507,656, May 16.
Stabilizer, Milliamperage. C. T. Zavales. 2,512,193, June 20.
Stabilizer, Pressure gauge. A. Clarkson. 2,515,394, July 18.
Stabilizer, Ship. H. P. Lasseter. 2,508,068, May 16.
Stabilizer, Trailer coupling. L. L. Stephens. 2,523,733, Sept. 26.
Stabilizer with condenser modulator. L. L. Weisglass. 2,494,218, Jan. 10.
Stabilizers. H. E. Albert. 2,514,220, July 4.
Stabilizing apparatus. R. F. Hays, Jr. 2,524,793, Oct. 10.
Stabilizing apparatus for aircraft. G. L. Borell. 2,498,064, Feb. 21.
Stabilizing aromatic amines. J. C. Zimmer and A. J. Morway. 2,510,849, June 6.
Stabilizing cellulosic textile materials against shrinkage employing glyoxal and a metal silicofluoride as a catalyst. L. Beer. 2,521,328, Sept. 5.
Stabilizing device. F. Skwaryk. 2,507,276, May 9.
Stabilizing device for articulated vehicles. R. Q. Armington and W. F. Double. 2,518,742, Aug. 15.
Stabilizing dried starch sirup. T. Nordenskjöld and E. A. Jönsson. 2,501,406, Mar. 21.
Stabilizing edible fatty oil. F. A. Lindsey, Jr., and W. T. Maxwell. 2,513,948, July 4.
Stabilizing frequency of oscillator circuit, Crystal-controlled means for. M. S. Mead, Jr. 2,496,300, Feb. 7.
Stabilizing gasoline. B. R. Strickland and E. H. Lewis. 2,525,152, Oct. 10.
Stabilizing hydrocarbons. L. C. Morris. 2,526,963, Oct. 24.
Stabilizing mechanism. G. Agins and E. D. Gittens. 2,511,614, June 13.
Stabilizing mechanism for wheeled vehicles. C. R. Hanna, L. B. Lynn, and S. J. Mikina. 2,523,113, Sept. 19.
Stabilizing oriented vinylidene chloride polymer articles, Dimensionally. C. R. Irons. 2,517,570, Aug. 8.
Stabilizing oriented vinylidene chloride polymer film, Dimensionally. R. D. Lowry and H. L. Schaefer. 2,517,581, Aug. 8.
Stabilizing phosphors. H. C. Froelich. 2,523,005, Sept. 19.
Stabilizing rayon-containing textile fabrics. F. G. La Piana. 2,524,113, Oct. 3.
Stabilizing rayon type fabric. A. S. Stevenson and L. Beer. 2,497,519, Feb. 14.
Stabilizing rosin. T. Hasselstrom and E. A. Brennan. 2,503,268, Apr. 11.
Stabilizing slide areas. R. R. O'Neal. 2,514,509, July 11.
Stabilizing sulfated products. J. R. Clark and J. D. Malkemus. 2,493,444, Jan. 3.
Stabilizing sulfated products. J. R. Clark, J. D. Malkemus, and J. Ross. 2,493,445, Jan. 3.
Stabilizing system. C. R. Hanna. 2,492,990, Jan. 3.
Stabilizing xylidene. C. E. Starr, Jr., and F. T. Ratliff. 2,509,891, May 30.
Stable vertical. A. D. Fialkow. 2,497,594, Feb. 14.
Stable vertical. D. L. Herr. 2,497,607, Feb. 14.
Stable vertical. E. E. Libman. 2,497,614, Feb. 14.
Stable vertical element. A. P. Davis. 2,530,154, Nov. 14.
Stacked disk filter. W. J. Ewbank. 2,495,095, Jan. 17.
Stacker and loader, Hay. H. R. Watson. 2,530,496, Nov. 21.
Stacker, Bean. C. Vander Schuur and J. Hoogerhyde. 2,500,441, Mar. 14.
Stacker mechanism for coil springs. C. G. Corser. 2,498,850, Feb. 28.
Stacker, Peanut. J. H. Foriest. 2,514,854, July 11.
Stacking and bundling machine, Bag. B. Gilowitz. 2,502,374, Mar. 28.
Stacking apparatus, Lumber. C. T. Bost. 2,522,813, Sept. 19.
Stacking articles into layers. W. Dalziel and J. W. Gray. 2,498,071, Feb. 21.
Stacking box handle. L. D. Best. 2,494,503, Jan. 10.
Stacking device. J. R. Brandt. 2,496,438, Feb. 7.
Stacking machine. G. C. Monaco. 2,519,491, Aug. 22.
Stacking or tiering machine. R. D. Von Beren. 2,508,698, May 23.
Stage for electron optical instruments, Rod-type specimen. J. H. Reisner. 2,510,349, June 6.
Stage for microscopes, Mechanical. B. G. Gallasch. 2,535,128, Dec. 26.
Stage setting and mounting and operating the same. E. Gilbert. 2,504,926, Apr. 18.
Staging rack. R. L. Fitzsimmons. 2,501,443, Mar. 21.
Staining method of detecting hidden weevil infestation in grains. J. C. Frankenfeld. 2,525,789, Oct. 17.
Stainless steel and method. G. N. Goller. 2,506,558, May 2.
Staircase, Illusory. J. P. Cahn. 2,513,914, July 4.
Stair layout tool. E. Van Winkle. 2,494,462, Jan. 10.
Stair structure, Demountable. L. J. Brune, Sr. 2,520,452, Aug. 29.
Stairway, Foldaway. J. P. Myers. 2,506,380, May 2.
Stairway, Folding. B. D. Brown. 2,496,773, Feb. 7.
Stake for trucks, Log. F. G. Busenius. 2,518,974, Aug. 15.
Stake, Trap anchoring and animal drowning. H. L. Arnest. 2,513,130, June 27.
Stake, Truck body. E. S. Grumbache. 2,525,542, Oct. 10.
Staking machine. J. F. Amelunxen. 2,504,917, Apr 18.
Stalk cutter. S. C. Winbourne. 2,513,223, June 27.
Stall for vehicles, Revolving. J. R. Long. 2,527,485, Oct. 24.
Stall relief for forging presses and the like. W. W. Criley. 2,535,842, Dec. 26.
Stall warning device for airplanes. L. Greene. Re. 23,302, Dec. 5.
Stamp affixing machine. T. Sano. 2,505,433, Apr. 25.
Stamp forming apparatus. S. Diuk. 2,529,543, Nov. 14.
Stamp, Hand. M. Mann. 2,513,419, July 4.
Stamp, Stencil. S. G. Collins. 2,530,378, Nov. 21.
Stamper, Automatic billet. L. A. Dailey and E. A. Erickson. 2,532,540, Dec. 5.
Stamper, Slab. H. E. Meyer. 2,503,504. Apr. 11.
Stamping device. P. E. Morin. 2,506,729, May 9.
Stamping machine. C. G. Peterson. 2,527,448. Oct. 24.
Stamping machine, Wire. L. A. Kingsley. 2,517,493, Aug. 1.
Stanchion. W. Joyal. 2,501,774, Mar. 28.
Stanchion. B. Simonson. 2,506,112, May 2.
Stanchion. R. V. Wells. 2,523,459, Sept. 26.
Stanchion, Cattle. H. A. Dumford. 2,499,819, Mar. 7.
Stanchion, Cattle. V. E. Marr. 2,515,458, July 18.
Stanchion, Dairy. B. J. Miller and T. Sifferman. 2,522,188, Sept. 12.
Stand: *See*—
Adding machine stand.
Adjustable article stand.
Adjustable stand.
Adjustable supporting stand.
Air-conditioned article display stand.
Barrel stand.
Bass viol stand.
Bicycle stand
Braiding stand.
Buffing stand.
Bus stand.
Cabinet smoke stand.
Canape decorating and retaining stand.
Christmas tree stand.
Collapsible Christmas tree stand.
Collapsible flower stand.

Stand: *See*—Continued.
Collapsible music stand.
Combination lamp and display stand.
Combination stand.
Display stand.
Electrically vibrated retouching stand.
Equipment stand.
Flatiron stand.
Infant's folding bath stand.
Instrument supporting stand.
Knockdown display stand.
Microphone stand.
Mill roll stand.
Music stand.
Nested ash tray stand.
Photographic retouching stand.
Portable screen stand.
Portable tray stand.
Rotary display stand.
Rotatable telephone stand.
Self-locking stand.
Smoking stand.
Speaker's stand.
Steerable motion-picture camera stand.
Supporting stand.
Track switch stand.
Train order stand.
Tree stand.
Visible index tray stand.
Wire bundling stand.

Stand. R. J. Campagna 2,504,800, Apr. 18.
Stand and dressing table, Infant's folding bath. C. T. De Puy and W. C. Baxter. 2,494,164, Jan. 10.
Stand and tray, Adjustable bedside. R. B. Woody. 2,535,112, Dec. 26.
Stand for bicycles, Exercising. H. W. Hapman. 2,534,967, Dec. 19.
Stand for bumper jacks, Collapsible. A. M. Kromer. 2,493,978, Jan. 10.
Stand for cycles, Retractable O. T. Olson. 2,510,412, June 6.
Stand for musical instruments. T. Cashiopp. 2,522,345, Sept. 12.
Stand for operating lasts. H. F. Loewer 2,504,138, Apr. 18.
Stand for ophthalmic instruments, Unit. E. A. Forshey and R. A. Copeland. 2,510,624, June 6.
Stand for outboard motors, Carrier. F. J. Vickery. 2,507,234, May 9.
Stand for photographic cameras, Telescopic. M. Dupeyron. 2,496,165, Jan. 31.
Stand for show windows, Dress. W. Fehlbaum. 2,501,864, Mar. 28.
Stand for spools. H. J. Isabelle, Sr. 2,497,359, Feb. 14.
Stand for tables, basins, and the like, Supporting. T. E. Cooke. 2,522,096, Sept. 12.
Stand for tierable stock boxes. P. F. Nydegger and J. L. Huey. 2,503,208, Apr. 4.
Stand or rack, Portable. P. Hopp. 2,520,881, Aug. 29.
Stand with a rotatable tool supporting shaft, Tire-changing. G. E. Coats. 2,505,172, Apr. 25.
Stand with suction base, Christmas tree or antenna. A. O. Zedler. 2,534,894, Dec. 19.
Stannous catecholate. G. E. P. Smith, Jr. 2,514,199, July 4.
Stannous catecholates, Preparing. E. L. Carr. 2,514,180, July 4.
Stannous diphenol sulfoxides. H. E. Albert. 2,514,188, July 4.
Stannous phenylcatecholates. H. E. Albert. 2,514,179, July 4.
Staple R. A. Percoco. 2,521,019, Sept. 5.
Staple driving machine. R. E. Peterson. 2,493,640, Jan. 3.
Staple driving machine. R. E. Peterson. 2,511,003, June 13.
Staple extractor. A. H. Maynard. 2,518,485, Aug. 15.
Staple feed mechanism for fastener applying implements. H. W. Marano. 2,528,444, Oct. 31.
Staple feed mechanism for stapling machines. N. M. Olney. 2,512,172, June 20.
Staple fiber cutter. H. E. New. 2,532,458, Dec. 5.
Staple having a closed loop and making the same. L. B. Cook. 2,530,811, Nov. 21.
Staple, Insulating. N. C. Rublee. 2,526,902, Oct. 24.
Staple nail. E. J. Spink. 2,533,062, Dec. 5.
Staple pin attaching means. J. B. Frazelle and W. D. Chewning. 2,532,704, Dec. 5.
Staple, Self-locking wire. L. A. Brown. 2,528,685, Nov. 7.
Stapler. J. F. Cavanagh. 2,520,909, Sept. 5.
Stapler, Hand. F. S. Boroughs. 2,535,482, Dec. 26.
Stapling machine. G. Berger. 2,499,843, Mar. 7.
Stapling machine. D. D. Corwin. 2,530,152, Nov. 14.
Stapling machine. J. H. Klasey, J. W. Wiegner, and B. E. Barnes. 2,523,830, Sept. 26.
Stapling machine. J. R. Mackey. 2,535,306, Dec. 26.
Stapling machine. C. Z. Monroe. 2,521,935, Sept. 12.
Stapling machine. F. J. Taylor, Jr. 2,500,217, Mar. 14.
Stapling machine. E. W. Van Dijk. 2,500,721, Mar. 14.
Stapling machine. L. von Cseh. 2,499,432, Mar. 7.
Stapling machine and process. C. R. Funk. 2,508,942, May 23.
Stapling machine, Carton. O. E. Larsson. 2,509,870, May 30.
Stapling machine, Pocket. C. M. Palmer. 2,495,385, Jan. 24.
Stapling tool. W. E. Wember. 2,501,703, Mar. 28.
Star finder. H. B. Curtis. 2,495,211, Jan. 24.
Starplate mechanism. E. S. Hall. 2,498,679, Feb. 28.
Starchaldehyde compositions, Preparation of cold swelling. J. Lolkema and W. A. van der Meer. 2,510,748, June 6.
Starch ethers in original granule form. C. C. Kesler and E. T. Hjermstad. 2,516,632, July 25.
Starch ethers in original granule form, Cold-water swelling. C. C. Kesler and E. T. Hjermstad. 2,516,634, July 25.
Starch ethers in original granule form, Preparation of. C. C. Kesler and E. T. Hjermstad. 2,516,633.
Starch degradation process. S. Neumann. 2,494,191, Jan. 10.
Starch modification process. D. W. Hansen. 2,514,055, July 4.
Starch treatment. J. M. Newton and L. D. Ough. 2,497,838, Feb. 14.
Starches, Chemically modified. D. L. Schoene and V. S. Chambers. 2,524,400, Oct. 3.
Starching composition, Resinous. J. B. Beck. 2,500,144, Mar. 14.
Starter. J. R. McCreary. 2,509,361, May 30.
Starter booster. E. Davolt. 2,529,921, Nov. 14.
Starter, Engine. C. R. Roche. 2,528,711, Nov. 7.
Starter, Fluorescent lamp. G. W. Pearce. 2,499,677, Mar. 7.
Starter for aircraft engines, Mechanical. W. H. Righter. 2,526,578, Oct. 17.
Starter for burners, Automatic electric. P. Jakob. 2,512,250, June 20.
Starter for electric gaseous discharge devices. G. W. Pearce. 2,508,337, May 16.
Starter for heavy-oil engines. L. Saives. 2,521,024, Sept. 5.
Starter for internal-combustion engines. G. J. Armstrong. 2,521,319, Sept. 5.
Starter for internal-combustion engines. D. L. Miller. 2,511,814, June 13.
Starter for motors, Ratchet. A. A. Honeyman. 2,500,076, Mar. 7.
Starter jaw holding means, Releasable. C. S. Metsger. 2,505,563, Apr. 25.
Starter jaw meshing mechanism. R. M. Heintz. 2,509,767, May 30.
Starter, Time delay magnetic. T. W. Frech. 2,497,542, Feb. 14.
Starter unit, Automatic. R. L. Appleton. 2,535,007, Dec. 19.
Starting apparatus for race tracks. H. A. Pierce. 2,507,994, May 16.
Starting arrangement for electric discharge devices. D. D. Hinman. 2,523,021, Sept. 19.
Starting block. C. J. Brouwer and I. J. Drake. 2,534,159, Dec. 12.
Starting block. E. M. Miller. 2,505,784, May 2.
Starting device. S. Ysskin. 2,515,543, July 18.
Starting device, Permanent magnet hot-wire. S. Eros and H. E. Hermanson. 2,512,268, June 20.
Starting gate. H. C. Dressel. 2,522,932, Sept. 19.
Starting mechanism for internal-combustion engines. H. R. Richardo. 2,531,788, Nov. 28.
Starting of internal-combustion engines. C. J. Moody. 2,516,787, July 25.
Starting structure. H. C. Puett. 2,516,073, July 18.
Static charge eliminator. W. C. Herbert and W. C. Herbert, Jr. 2,514,864, July 11.
Static impedance and phase changing circuit. W. C. Hall. 2,505,288, Apr. 25.
Station plunger switch. H. W. Batcheller. 2,521,560, Sept. 5.
Station selection apparatus for Loran receivers. G. D. Hulst, Jr. 2,533,887, Dec. 12.
Stationary safety jack. C. L. Genesen. 2,535,407, Dec. 26.
Statistical machine, Record card controlled. A. Thomas and A. H. Gausden. 2,496,138, Jan. 31.
Stator assembly for electric motors, Two-part sheet metal. P. H. J. Brouwer. 2,512,848, June 27.
Stator for electric machines. A. H. V. van Lijf. 2,528,023, Oct. 31.
Stator for universal electric motors. L. R. Beard. 2,502,121, Mar. 28.
Stator for universal electric motors. C. A. Thomas. 2,502,185, Mar. 28.
Stator for universal electric motors. G. D. Willits. 2,535,004, Dec. 19.
Statuette, Illuminated. J. Elvan and A. Masillo. 2,506,295, May 2.
Stave making machine, Concrete. P. D. Nelson. 2,496,016, Jan. 31.
Steak treating machine. J. D. Brown. 2,531,105, Nov. 21.
Steam bath cabinet. A. Hjelm. 2,526,357, Oct. 17.
Steam bath cabinet. J. Shumaker. 2,501,194, Mar. 21.
Steam boiler. E. R. Cole. 2,496,985, Feb. 7.
Steam boiler. J. H. Oberholtzer. 2,529,044, Nov. 7.
Steam connection between railway cars. S. Guarnaschelli. 2,511,335, June 13.
Steam electric iron. H. G. Sutton. 2,515,100, July 11.
Steam electric pressing iron. C. M. Chapin. 2,533,995, Dec. 12.
Steam flow control system. F. H. Schaub. 2,532,951, Dec. 5.
Steam, gas, and air separator. G. D. Bradshaw. 2,527,392, Oct. 24.
Steam generating apparatus. I. and L. Burnstein. 2,505,170, Apr. 25.
Steam generating boiler. J. Marini. 2,493,678, Jan. 3.

Steam generating electric pressing iron. F. E. Finlayson. 2,499,184, Feb. 28.
Steam generator. J. P. Badenhausen. 2,502,637, Apr. 4.
Steam generator. J. I. Cantrell. 2,524,307, Oct. 3.
Steam generator. J. H. Jacobs. 2,513,328, July 4.
Steam generator. A. E. Raynor. 2,512,677, June 27.
Steam heater. M. M. Marks. 2,535,941, Dec. 26.
Steam heating exchange, Electrically heated. S. B. Warden, Sr. 2,508,736, May 23.
Steam hose coupling. F. E. Hansen. 2,518,542, Aug. 15.
Steam iron. E. Rakos. 2,499,835, Mar. 7.
Steam iron. R. J. Scott. 2,506,941, May 9.
Steam joint R. Carpenter. 2,526,328, Oct. 17.
Steam production from cooling liquid in combustion chambers. R. H. Goddard. 2,526,219, Oct. 17.
Steam purifier. G. A. Rehm. 2,527,450, Oct. 24.
Steam retort and sterilizer, Continuous high pressure. J. M. Bourland. 2,517,833, Aug. 8.
Steam spraying. S. Hochberg. 2,511,797, June 13.
Steam system. O. A. Hunt and L. Tiller. 2,515,649, July 18.
Steam system, Clear channel. O. A. Hunt and L. Tiller. 2,515,647, July 18.
Steam system control. O. A. Hunt and L. Tiller. 2,515,648, July 18.
Steam system control unit. O. A. Hunt and L. Tiller. 2,515,652, July 18.
Steam vacuum cleaner. L. Branneman. 2,497,435, Feb. 14.
Steamer, Asparagus. E. M. Wilson. 2,522,152, Sept. 12.
Steamer, Yarn. R. Harris. 2,525,797, Oct. 17.
Steaming and pressing machine. B. G. Forman. 2,493,864, Jan. 10.
Steaming unit for umbrellas, Circular. A. F. Polan. 2,534,831, Dec. 19.
Steaming vegetables, Method of and apparatus for. P. C. Wilbur. 2,534,648, Dec. 19.
Steel, Alloy. W. C. Clarke, Jr. 2,528,497, Nov. 7.
Steel, Alloy. W. C. Clarke, Jr. 2,528,637–8, Nov. 7.
Steel, Alloy. I. R. Kramer, S. L. Toleman and W. T. Haswell. 2,516,125, July 25.
Steel alloy containing columbium. W. H. Norris. 2,506,518, May 2.
Steel and method, Stainless. G. N. Goller. 2,505,762–4, May 2.
Steel article, Light-colored enameled. G. F. Comstock and L. J. Frost. 2,495,835, Jan. 31.
Steel, Boron-treated molybdenum. W. E. Bardgett. 2,513,395, July 4.
Steel catalyst for hydrocarbon synthesis, Stainless. E. T. Layng. 2,506,226, May 2.
Steel finish, Stainless. L. C. Heinse. 2,516,986, Aug. 1.
Steel, Guitar. A. M. Zipperstein and B. Vitto. 2,496,191, Jan. 31.
Steel immune to intercrystalline corrosion, Producing stainless. F. J. Phillips. 2,531,154, Nov. 21.
Steel jaw game trap. W. J. Bruske. 2,502,035, Mar. 28.
Steel, Knife. Y. H. Shain. 2,499,786, Mar. 7.
Steel, Manufacture of open-hearth. G. V. Slottman and P. M. Hulme. 2,515,670, July 18.
Steel of controllable hardenability and article made therefrom, Graphitic. F. R. Bonte. 2,519,627, Aug. 22.
Steel, Processing stainless. P. G. Mabus. 2,499,764, Mar. 7.
Steel, Producing Bessemer. T. R. Haglund. 2,529,387, Nov. 7.
Steel product, Black oxide coated nitrided stainless. A. L. Feild. 2,513,302, July 4.
Steel products, Making rubber-coated cold reduced. V. W. Bihlman. 2,510,857, June 6.
Steel resistant to leaded fuels at high temperatures, Stainless. F. A. Jennings. 2,495,731, Jan. 31.
Steel square. S. Shaler. 2,512,177, June 20.
Steel, Stainless. F. J. Phillips. 2,531,155, Nov. 21.
Steel tie and splice bar construction, Combination. T. W. Rorrer, Sr. 2,514,724, July 11.
Steel, Treating silicon. C. H. Campbell, D. S. Ferito, and C. W. Stoker. 2,529,373, Nov. 7.
Steel wire and making the same, Fatigue resistant. A. F. Ilacqua and H. H. Smith. 2,527,731, Oct. 31.
Steel wire, Cold-drawing. A. W. Harris. 2,535,284, Dec. 26.
Steel wool holder. W. A. Baker. 2,496,371, Feb. 7.
Steels, Alloy. G. T. Harris. 2,513,935, July 4.
Steels and irons, Electroplating stainless. C. Batcheller. 2,528,717, Nov. 7.
Steels, Chromium stainless. M. Baeyertz and W. M. Lindsey. 2,531,720, Nov. 28.
Steeping press. L. Kohorn. 2,507,720, May 16.
Steer bar construction. G. E. Kershaw. 2,502,625, Apr. 4.
Steerable and full swiveling tail wheel. B. D. Maule. 2,494,482, Jan. 10.
Steerable motion-picture camera stand. A. C. Coutant. 2,518,288, Aug. 8.
Steering and propulsion mechanism, Motorboat. B. B. Wright. 2,507,844, May 16.
Steering and throttle control apparatus for outboard motors, Synchronized. L. C. Black. 2,514,467, July 11.
Steering apparatus, Auxiliary ship. A. R. Stone and A. G. Winchester. 2,512,119, June 20.
Steering apparatus, Foot. E. W. Dorn, Jr., and W. E. James. 2,507,894, May 16.
Steering apparatus for automobiles. J. C. Bartho. 2,496,263, Feb. 7.
Steering apparatus for nose wheels, Power. S. I. MacDuff. 2,506,093, May 2.
Steering apparatus for ships. W. G. Rommel. 2,498,223, Feb. 21.
Steering apparatus, Hydraulic. F. E. Steinmeyer. 2,494,839, Jan. 17.
Steering apparatus, Motor vehicle. P. L. Rozwood. 2,529,967, Nov. 14.
Steering apparatus, Tractor. A. D. Hill. 2,513,868, July 4.
Steering assembly for loaded trucks and trailers. A. S. Page. 2,520,776, Aug. 29.
Steering-by-driving mechanism and electric control therefor. D. F. Toot and V. E. Matulaitis. 2,525,190, Oct. 10.
Steering column assembly, Collapsible vehicle. K. E. Lyman. 2,511,165, June 13.
Steering column support and instrument panel, Combination. K. E. Lyman. 2,535,744, Dec. 26.
Steering control with pneumatic pickup. M. G. Leonard. 2,498,284–5, Feb. 21.
Steering device, Automatic. E. Goodwine, Jr. 2,509,914, May 30.
Steering device for boats and planes, Automatic. E. D. Dunning. 2,499,471, Mar. 7.
Steering for motor-powdered vehicles, Hydraulic actuated. J. E. Richter. 2,532,785–6, Dec. 5.
Steering gear. J. H. Booth. 2,494,738, Jan. 17.
Steering gear. H. W. Pierce. 2,525,240, Oct. 10.
Steering head for motorcycles. B. Benson. 2,511,320, June 13.
Steering means for manually propelled devices. F. Maisel. 2,530,886, Nov. 21.
Steering mechanism. C. P. Pinardi. 2,518,175, Aug. 8.
Steering mechanism. H. W. Rockwell. 2,521,652, Sept. 5.
Steering mechanism and switch control mounting therefor, Two-speed power. R. G. Le Tourneau. 2,531,061, Nov. 21.
Steering mechanism, Dual. A. L. Rice. 2,508,686, May 23.
Steering mechanism for trailers. G. F. Dibert and E. C. Holst. 2,532,151, Nov. 28.
Steering mechanism for vehicles. E. H. Remde. 2,516,074, July 18.
Steering system for vehicles, Four-wheel. R. L. J. B. Sanmori. 2,526,282, Oct. 17.
Steering mechanism, Land vehicle. G. Hunt. 2,497,357, Feb. 14.
Steering mechanism, Power-operated. C. P. Baldwin. 2,509,953, May 30.
Steering mechanism, Single-wheel W. H. Cahill. 2,510,798, June 6.
Steering mechanism, Trailer. G. A. Burns. 2,533,553, Dec. 12.
Steering of portable reaction motors. M. Marin. 2,509,603, May 30.
Steering post bearing. W. K. Creson. 2,509,587, May 30.
Steering system. B. O. Strother. 2,512,979, June 27.
Steering system. A. R. Vogel. 2,522,694, Sept. 19.
Steering system for rudders, Mechanical and electrical dual. M. L. Levy. 2,505,555, Apr. 25.
Steering wheel lock. W. A. Wilson. 2,500,593, Mar. 14.
Stem making method and apparatus. E. Niles. 2,518,924, Aug. 15.
Stemming and decapping machine, Fruit. J. D. Gaddie. 2,527,182, Oct. 24.
Stencil blank, Electrosensitive. R. J. Meigs. 2,500,617, Mar. 14.
Stencil cutting gauge. D. D. Moore. 2,522,886, Sept. 19.
Stencil, Dielectric. A. R. Lindsay. 2,512,347, June 20.
Stencil feeding attachment, Circular. H. W. Hempel and W. C. Marsh. 2,506,423, May 2.
Stencil machine, Powered. H. W. Hempel and W. C. Marsh. 2,518,778, Aug. 15.
Stencil, Sign fabricating. E. H. Schleif. 2,520,567, Aug. 29.
Stenciling apparatus. H. R. Farwell. 2,532,802, Dec. 5.
Stenciling apparatus. H. A. Gattuso. 2,498,917, Feb. 28.
Stenciling machine. G. E. Dyal. 2,499,472, Mar. 7.
Stencils, Making dielectric. A. R. Lindsay. 2,512,348, June 20.
Stenographic machine. M. den Outer. 2,501,264, Mar. 21.
Step, Adjustable stilt. M. Heller. 2,503,733, Apr. 11.
Step and trapdoor arrangement, Folding. F. C. Heyerdahl. 2,522,674, Sept. 19.
Step display, Collapsible. E. M. Roach. 2,535,160, Dec. 26.
Stepladder. N. E. Anderson. 2,522,336, Sept. 12.
Stepladder. V. J. Buckner. 2,509,206, May 30.
Stepladder. H. G. Mason. 2,521,386, Sept. 5.
Stepladder. J. L. McGlothlen. 2,527,834, Oct. 31.
Stepladder, Combination. L. St. Cyr. 2,525,104, Oct. 10.
Step, Preformed concrete. E. J. Dettling. 2,515,823, July 18.
Step, Retractable. F. I. Steele and J. M. Heath. 2,494,367, Jan. 10.
Stepping device. H. Hansen. 2,530,961, Nov. 21.
Stepping trip, Electromagnetic. C. Schindler. 2,515,530, July 18.
Steps, Bedside. A. M. M. Gray. 2,524,971, Oct. 10.

Stereoscopic plotting machine. P. B. Kail. 2,535,213, Dec. 26.
Sterile medicament insufflator cartridge and insufflator. M. R. Fields. 2,519,555, Aug. 22.
Sterile sifter package for pharmaceuticals which may be injured by heat. M. R. Fields. 2,522,708, Sept. 19.
Sterilizer. G. E. Lewis. 2,512,747, June 27.
Steriliser. C. Marshall. 2,535,365, Dec. 26.
Sterilizer. E. R. Schipanski. 2,497,326, Feb. 14.
Sterilizer. D. A. Wagner. 2,499,891, Mar. 7.
Sterilizer and lamp, Air. I. B. Polevitzky. 2,500,007, Mar. 7.
Sterilizer, Radiant. C. G. Partlo and H. R. Hair. 2,504,576, Apr. 18.
Sterilizing. A. D. Singh. 2,529,710, Nov. 14.
Sterilizing and dehydrating apparatus for oxygen tents, Air. C. A. Lewis. 2,502,263, Mar. 28.
Sterilizing and preserving. A. Brasch. Re. No. 23,195, Feb. 7.
Sterilizing apparatus and method. L. C. Cartwright. 2,501,496, Mar. 21.
Sterilizing corn products. C. O. Ball. 2,502,197, Mar. 28.
Sterilizing food products. C. O. Ball. 2,502,196, Mar. 28.
Sterilizing products. H. J. Wing. 2,509,258, May 30.
Sterilizing small quantities of water. H. C. Marks and F. B. Strandskov. 2,512,566, June 20.
Steroid aldehydes, Preparation of. R. H. Levin, A. V. McIntosh, Jr., and G. B. Spero. 2,533,124, Dec. 5.
Sterols from oils, fats, and fatty acids, The production of. O. Böhm. 2,516,834, Aug. 1.
Sterols of high purity, Obtaining. H. A. Vogel and R. M. Christenson. 2,499,430, Mar. 7.
Stethoscope with logarithmically variable passage, Valved. E. W. Lepeschkin. 2,505,124, Apr. 25.
Stethoscope with rotatable bell. W. J. Ratzan. 2,515,471, July 18.
Stethoscope with valved sound passage. J. J. Tynan. 2,513,827, July 4.
Stick, Beach. G. Reiley. 2,509,074, May 23.
Stick dispenser. N. J. Simpkins and D. H. Fischer. 2,530,086, Nov. 14.
Stick, Extensible ski. G. Tveten. 2,512,985, June 27.
Stick for airplanes, Controlling. C. Kesses. 2,506,222, May 2.
Stick, Hockey. J. R. Yerger. 2,504,242, Apr. 18.
Stick holder and stick feeder, Tobacco. T. B. Kreeger. 2,511,473, June 13.
Stiffener for centrifugal molds. F. G. Carrington. 2,500,799, Mar. 14.
Stiffener, Shirt collar. C. A. Magney. 2,494,185, Jan. 10.
Stiffening for garments. C. M. Durey and F. Maynard. 2,531,843, Nov. 28.
Stiffening paper match splints, Methods and materials for. H. Ellern. 2,495,575, Jan. 24.
Stiffening portions of the uppers of shoes. W. H. Wedger. 2,512,003, June 20.
Stilbene disulfonic acid derivatives. H. Hausermann. 2,521,665, Sept. 5.
Stilbene disulfonic acid derivatives. E. Keller and R. Zweidler. 2,527,427, Oct. 24.
Stilbene disulfonic acid products. E. Keller and R. Zweidler. 2,527,425, Oct. 24.
Still, Double effect salt-water. W. H. Thompson. 2,513,901, July 4.
Stilt. J. T. Dowell. 2,504,922, Apr. 18.
Stilt, Adjustable. C. Bruno. 2,531,251, Nov. 21.
Stilt, Adjustable. L. T. Price. 2,493,027, Jan. 3.
Stirrer, Induction. L. Dreyfus. 2,513,082, June 27.
Stirring apparatus, Magnetic. G. B. Cook. 2,518,758, Aug. 15.
Stirring device. H. A. Verbrugge. 2,503,643, Apr. 11.
Stitch and stiching. T. E. Monroe. 2,497,230, Feb. 14.
Stitch-forming mechanism for sewing machines. D. G. Smith and H. C. Faulkner. 2,515,740, July 18.
Stitch-length control. A. Austlid. 2,525,578, Oct. 10.
Stitch regulating mechanism. E. St. Pierre. 2,510,916, June 6.
Stitch regulating mechanism. E. St. Pierre and J. Wawzonek. 2,524,578, Oct. 3.
Stitcher, Tread splice. W. J. Breth. 2,500,273, Mar. 14.
Stitching. T. E. Monroe. 2,497,232, Feb. 14.
Stitching machine. F. M. Schwartz. 201,239–40, Mar. 21.
Stitching mechanism, Multiple needle. V. J. Sigoda. 2,533,292, Dec. 12.
Stitching mechanism, Wire. J. I. Nasmith. 2,531,985, Nov. 28.
Stockcar. L. G. Burnam. 2,498,647, Feb. 28.
Stock, Confection. M. P. Annarilli. 2,495,217, Jan. 24.
Stock feeding appliance. J. A. Powell. 2,512,260, June 20.
Stock for picture frames, Flexible. L. Rado. 2,516,417, July 25.
Stock handling apparatus. C. E. Fuller. 2,522,170, Sept. 12.
Stock inlet. L. Hornbostel. 2,509,822, May 30.
Stock line repairing, Blast furnace. P. B. Tonnar. 2,513,068, June 27.
Stock, Razor blade. E. N. Hibbert. 2,531,731, Nov. 28.
Stock take-off apparatus. C. W. Apgar. 2,498,061, Feb. 21.
Stocking. H. R. Hinkley. 2,494,174, Jan. 10.
Stocking. J. Largman. 2,500,759, Mar. 14.
Stocking. A. E. Page. 2,501,353, Mar. 21.
Stocking. S. I. Burd. 2,505,941, May 2.
Stocking and foot protector. V. Pinkard and K. Gaston. 2,505,339, Apr. 25.
Stocking and producing the same, Full fashioned. E. Doura. 2,500,631, Mar. 14.
Stocking and sewing same. W. M. Camp. 2,531,839, Nov. 28.
Stocking, Full-fashioned. P. Schmidt. 2,503,221, Apr. 4.
Stocking having a contrasting seam and producing same. S. L. Dills. 2,512,489, June 20.
Stocking manufacture. C. P. Kaler. 2,528,371, Oct. 31.
Stocking, Runproof. D. H. Powers and W. J. Harrison. 2,526,684, Oct. 24.
Stocking size gauge. H. Gilbert. 2,515,824, July 18.
Stocking structure and manufacture. S. J. Haddad. 2,522,265, Sept. 12.
Stocking wear. M. Goodman. 2,513,639, July 4.
Stoker apparatus including a uniformly increasing pitch feed screw. A. O. Dady. 2,507,245, May 9.
Stoker, Automatic cradle type. H. A. Ellis. 2,499,735, Mar. 7.
Stoker fan, Freewheeling. E. C. Webb. 2,531,796, Nov. 28.
Stoker having means for equalizing the distribution of fuel upwardly in the retort, Crushed-fuel. C. Quist. 2,497,628, Feb. 14.
Stoker, including a peep sight, Locomotive. W. T. Hanna. 2,518,887, Aug. 15.
Stoker, including a rotatable burner head, Underfeed. R. W. Suman. 2,527,594, Oct. 31.
Stoker, including auxiliary air feed means, Solid fuel. R. E. Mayo. 2,510,240, June 6.
Stoker, including gas feedback prevention means. P. C. Malmsten. 2,535,939, Dec. 26.
Stoker, including grate bar retaining means, Traveling grate. E. L. Midgette and J. E. Beck. 2,511,935, June 20.
Stoker smoking pipe. T. Robertson. 2,533,956, Dec. 12.
Stoker, Spreader. E. L. Midgette and R. W. Reid. 2,531,779, Nov. 28.
Stoker system, including fuel and air feed controls. W. M. Schweickart and F. G. Julyan. 2,533,330, Dec. 12.
Stoma receiver. M. Perry. 2,496,175, Jan. 31.
Stomach-binder and legging combination garment, Infant's. E. Borowick. 2,529,277, Nov. 7.
Stonecutting machine. L. I. Garrison. 2,506,076, May 2.
Stone digger. J. A. Anderson. 2,523,263, Sept. 26.
Stone setting tool. W. F. Bayer. 2,533,870, Dec. 12.
Stoning-sorting machine, Automatic. A. Garrigue and F. Sarrahy. 2,519,643, Aug. 22.
Stool, Adjustable. A. C. and T. J. Conley. 2,523,817, Sept. 26.
Stool, Adjustable. R. R. Cramer. 2,505,100, Apr. 25.
Stool and waste receptacle, Combination kitchen. M. S. Parker. 2,526,767, Oct. 24.
Stool, Attendant's. W. D. Alspaugh. 2,521,031, Sept. 5.
Stool construction. W. H. Scott. 2,519,709, Aug. 22.
Stool, Exercising. W. G. Horstman. 2,494,094, Jan. 10.
Stool, Folding. R. G. Cudini. 2,531,259, Nov. 21.
Stool, Folding. J. Lang. 2,513,880, July 4.
Stool, Folding bathroom. M. S. Mumford and E. H. Cowles. 2,493,925, Jan. 10.
Stool having a rotatable seat. H. W. Miller. 2,529,780, Nov. 14.
Stool having revolving seat. C. J. Engstrom. 2,528,949, Nov. 7.
Stool, Horizontally swingable. J. J. Donohoe and E. A. Glasser. 2,533,363, Dec. 12.
Stool, Saddle. C. A. Turner. 2,508,932, May 23.
Stool seat. W. H. Scott. 2,511,447, June 13.
Stool, Step. D. Greene. 2,523,466, Sept. 26.
Stop, Adjustable. E. Felleson. 2,514,600, July 11.
Stop control mechanism. J. C. Bodansky. 2,534,896, Dec. 19.
Stop device for preventing reverse drive. F. O. Luenberger. 2,518,701, Aug. 15.
Stop device for tripod legs, Automatically adjustable. P. J. Ries. 2,526,046, Oct. 17.
Stop for awnings, Safety. E. Mahaffey. 2,505,416, Apr. 25.
Stop for cameras, Focusing control. B. A. Golkoski. 2,494,237, Jan. 10.
Stop for cameras, Selectively active infinity. J. A. Sprague. 2,499,691, Mar. 7.
Stop for drum travel, Safety. D. M. Duncan. 2,502,710, Apr. 4.
Stop for looms, Automatic. W. V. D. Poindexter. 2,501,915, Mar. 28.
Stop for railroad rolling stock, Automatic. L. C. Brothers and W. A. Sheetz. 2,510,954, June 13.
Stop for slide fasteners, Top. C. D. Gould. 2,501,169, Mar. 21.
Stop for solid die headers, Movable work. R. L. Wilcox. 2,499,341, Feb. 28.
Stop for toilet flush valve arms, Positioning. P. Dysart. 2,512,924, June 27.
Stop for tubular barn door tracks, End. R. G. Ferris. 2,513,089, June 27.
Stop for turret lathes, Mechanical automatic. J. G. Madson. 2,503,283, Apr. 11.
Stop, Limit. E. D. Lilja. 2,523,509, Sept. 26.
Stop mechanism for fly frames. M. Carrette. 2,500,343, Mar. 14.

Stop mechanism for knitting machines. H. C. Grant. 2,506,078, May 2.
Stop mechanism for recording pencils, Intermittent. L. R. Philpott. 2,515,893, July 18.
Stop mechanism for rotary containers. A. Traube. 2,527,041, Oct. 24.
Stop mechanism for shifting shuttle box looms. C. Darwin. 2,523,648, Sept. 26.
Stop mechanism for sliding clasp fasteners, Separable bottom. J. Bolten, Jr. 2,526,599, Oct. 17.
Stop mechanism for spinning frames. M. Carrette. 2,533,310, Dec. 12.
Stop mechanism for typewriters, Lower margin. C. H Castleberry. 2,511,045, June 13.
Stop mechanism, Warp. E. A. Mastriani. 2,522,629, Sept. 19.
Stop meter. A. N. Milster. 2,495,340, Jan. 24.
Stop, Meter. L. W. Mueller. 2,495,593–5, Jan. 24.
Stop motion for braiding machines. J. Robideau. 2,497,560, Feb. 14.
Stop motion for double feed mechanism on knitting machines, Electric. R. Hill. 2,531,681, Nov. 28.
Stop motion for knitting machines. R. H. Lawson. 2,495,067, Jan. 17.
Stop motion for knitting machines with full range adjustment. E. Vossen. 2,515,479, July 18.
Stop motion for warp knitting machines. D. Quick and L. F. Turnbull. 2,514,719, July 11.
Stop-recorder, Automatic. R. H. Roughsedge and H. G. Lustig. 2,495,825, Jan. 31.
Stop, Safety. W. J. Campbell. 2,512,609, June 27.
Stop sign. H. D. Manly. 2,519,145, Aug. 15.
Stop signal apparatus. J. Phillips and F. Sullivan. 2,507,420, May 9.
Stop, Valve. P. Young. 2,512,987, June 27.
Stope drill column. R. W. Neyman. 2,518,362, Aug. 8.
Stopper and heat maintainer, Hot-water bottle. G. W. Barlow. 2,507,750, May 16.
Stopper and measuring device, Combined bottle. L. Koukal. 2,519,479, Aug. 22.
Stopper, Bottle. A. A. Rheude. 2,507,680, May 16.
Stopper, Door. B. B. Kaminski. 2,500,416, Mar. 14.
Stopping movement of electrically operated cloth laying machines. H. W. Gilbert. 2,495,249, Jan. 24.
Storage device, Strand material. E. W. Ertner. 2,518,534, Aug. 15.
Storage device with grid control action, Electron. J. A. Rajchman. 2,513,743, July 4.
Storage of liquefied gas. C. T. Lane, S. C. Marsh, and W. M. Haessler. 2,525,807, Oct. 17.
Storage of provisions. K. Krebser. 2,522,829, Sept. 19.
Storage tube. R. E. Graham. 2,527,632, Oct. 31.
Storage tube. A. S. Jensen and L. E. Flory. 2,503,949, Apr. 11.
Storage tube. J. R. Pierce. 2,527,652, Oct. 31.
Storage unit, Refrigerating. G. B. Wagner. 2,493,647, Jan. 3.
Store front. C. A. Patterson. 2,510,832, June 6.
Storing and feeding structure for stock. W. A. Major. 2,520,555, Aug. 29.
Storing carbon dioxide. A. W. Rausch. 2,510,140, June 6.
Storing, handling, and transporting motor vehicles. A. W. Hutson. 2,524,260, Oct. 3.
Storing natural gas. H. A. Martin, A. R. Young, and H. M. Nelly, Jr. 2,535,148, Dec. 26.
Storm sash. C. H. Hucke. 2,516,575, July 25.
Storm window. T. L. Smalley. 2,515,572, July 18.
Storm window and awning, Combination. A. R. Sorenson. 2,521,263, Sept. 5.
Storm window and screen assembly. W. W. Moore. 2,535,314, Dec. 26.
Storm window frame. W. M. Krantz. 2,504,700, Apr. 18.
Stove. E. C. Creitz. 2,502,434, Apr. 4.
Stove. R. H. Jones. 2,497,994, Feb. 21.
Stove. R. Scoville. 2,494,061, Jan. 10.
Stove and chair, Combined camp. W. A. Doppelheuer. 2,498,984, Feb. 28.
Stove attachment. C. T. Stevens. 2,530,095, Nov. 14.
Stove burner chamber construction. J. M. Cook and S. C. Salter. 2,507,661, May 16.
Stove, Camp heating and cooking. C. T. Steele. 2,517,254, Aug. 1.
Stove, Camper's. P. Loffredo. 2,515,521, July 18.
Stove, Cook pot. C. C. H. Rasmussen. 2,526,686, Oct. 24.
Stove, Cooking. A. G. Sherman. 2,520,816, Aug. 29.
Stove, Double-acting electric. D. Kossovitch. 2,533,672, Dec. 12.
Stove, Electric. J. W. Alsdorf. 2,496,654, Feb. 7.
Stove, Electric. M. Kaplan. 2,510,116, June 6.
Stove feed plate. W. P. Biddle and C. C. Bond. 2,528,333, Oct. 31.
Stove, Folding camp. F. W. Schmitt. 2,511,515, June 13.
Stove for curing tobacco, Liquid fuel. N. C. White and H. M. Dickens. 2,501,116, Mar. 21.
Stove for heating and cooking, Electric. J. S. and W. S. Thimblethorpe. 2,494,843, Jan. 17.
Stove frame. A. J. Snow. 2,512,118, June 20.
Stove having J-shaped baffles therein, Oil heating. A. Kozak. 2,516,469, July 25.
Stove, Hot-blast. F. E. Kling. 2,494,816, Jan. 17.
Stove, Incandescent vapor tube. J. I. Stein. 2,506,690, May 9.
Stove, including an air and gas mixing manifold, Magazine. W. H. Martin, Jr. 2,509,308, May 30.
Stove, Magazine heating. E. A. Jones. 2,508,028, May 16.
Stove, Portable army. J. L. Breese and B. Hayter. 2,500,658, Mar. 14.
Stove, Portable electric. M. L. Jeffrey. 2,518,015, Aug. 8.
Stove, Portable gasoline. S. T. Howard. 2,498,682, Feb. 28.
Stove protective system, Pressure cooking. R. S. Goldthwaite. 2,507,666, May 16.
Stove top assembly. J. M. Cook and S. C. Salter. 2,507,660, May 16.
Stove with simultaneous fuel and air control, Liquid fuel. L. G. McKenzie and A. R. Kingsley. 2,511,932, June 20.
Stove with transparent air chimney, Radiant gas. D. H. Wyatt. 2,517,071, Aug. 1.
Stove with wick-type liquid fuel burner. W. B. Engh and C. W. Davis. 2,513,925, July 4.
Straightener and method, Tubular fabric. L. G. Blumenbaum and R. E. Langlois. 2,503,705, Apr. 11.
Straightening and coating wire. J. Kramer. 2,511,274, June 13.
Straightening machine. J. B. Picton and E. L. Tinley. 2,501,087, Mar. 21.
Straightening machine. J. B. Picton and E. L. Tinley. 2,517,343, Aug. 1.
Straightening pull-threads in nylon hose. R. D. Hutchison. 2,493,876, Jan. 10.
Strain detector. W. Ramberg. 2,508,419, May 23.
Strain reducer, Wagon box. C. Straub. 2,506,395, May 2.
Strain relief. C. M. Huth. 2,494,814, Jan. 17.
Strainer. F. Berman. 2,532,052, Nov. 28.
Strainer. G. E. Gliss. 2,513,795, July 4.
Strainer. J. E. Lodge. 2,507,311, May 9.
Strainer. L. Margolis. 2,521,013, Sept. 5.
Strainer. H. H. Walker. 2,526,784, Oct. 24.
Strainer and support therefor, Combined. B. J. Howard. 2,509,098, May 23.
Strainer and trap, Sink. T. H. Schaefer. 2,505,305, Apr. 25.
Strainer basket and drain valve for sinks, Combined. K. R. Marcussen. 2,512,867, June 27.
Strainer, Downspout. W. B. Schmidt. 2,494,780, Jan. 17.
Strainer, Duplex fluid. J. C. Wohlfarth. 2,505,375, Apr. 25.
Strainer for coffee makers and making same. M. T. Cahenzli, Jr. 2,532,146, Nov. 28.
Strainer for paint spray guns. A. Rein. 2,521,094, Sept. 5.
Strainer, Fruit. J. B. Orrell. 2,496,636, Feb. 7.
Strainer, Fruit juice extractor oscillatory. H. Fromm. 2,510,809, June 6.
Strainer, Hop. C. F. Mittman. 2,529,882, Nov. 14.
Strainer, Liquid. G. M. Walton. 2,529,580, Nov. 14.
Strainer, Milk. D. O. Brant. 2,516,102, July 25.
Strainer or drum snare tensioning mechanism. C. H. Strupe. 2,517,144, Aug. 1.
Strainer, Pot. R. M. Buckley. 2,499,016, Feb. 28.
Strainer, Pot. E. V. Conrad and B. G. Worth. 2,520,382, Aug. 29.
Strand distributing apparatus. E. D. Hanson. 2,519,461, Aug. 22.
Strand drying apparatus. P. L. Pendleton. 2,507,678, May 16.
Strand feeding mechanism. R. H. Lawson. 2,534,459, Dec. 19.
Strand starting mechanism, Automatic. R. R. Bastian. 2,535,561, Dec. 26.
Strand tensioning apparatus. E. D. Hanson. 2,504,020, Apr. 11.
Strand twisting device. A. C. Nystrom and W. J. Volckhausen. 2,493,825, Jan. 10.
Stranding machine. C. O. Bruestle. 2,534,696, Dec. 19.
Stranding machine, A. G. Harmon. 2,499,246, Feb. 28.
Stranding machine, Ribbon type. S. C. Hall. 2,495,251, Jan. 24.
Strap accessory, Cinch. R. M. Smith. 2,519,857, Aug. 22.
Strap assembling apparatus. H. Alfandre. 2,526,187, Oct. 17.
Strap construction. E. S. Mix. 2,513,886, July 4.
Strap construction, Wearing-apparel. J. Bayon. 2,521,327, Sept. 5.
Strap, Cushion lug. J. E. Moe. 2,495,198, Jan. 17.
Strap cutting means for Venetian blinds. J. J. Fine. 2,521,509, Sept. 5.
Strap end attaching device. A. H. Crapsey, Jr., and K. A. Van Dyck. 2,521,903, Sept. 12.
Strap fastening means. M. J. McAneny. 2,533,275, Dec. 12.
Strap, Loom bumper. S. D. Lesesne. 2,499,596, Mar. 7.
Strap, Mounting. G. P. Wakefield. 2,509,895, May 30.
Strap or belt structure. H. Spengler. 2,495,029, Jan. 17.
Strap, Paper. J. D. Crary. 2,499,463, Mar. 7.
Strap, Reinforced fabric. I. Shames. 2,495,187, Jan. 17.
Strap, Wrist watch. C. Berkeley. 2,513,782, July 4.
Strap, Wrist watch. J. C. White. 2,514,818, July 11.
Stratifier, Movable bed pneumatic. A. H. Utley. 2,513,603, July 4.
Stratifier. Pneumatic. G. A. Bastanchury. 2,497,339, Feb. 14.

Strato-refrigeration. H. Waters. 2,521,814, Sept. 12.
Straw cutter. R. J. Totten. 2,522,320, Sept. 12.
Straw cutter. R. H. Watson. 2,502,032, Mar. 28.
Straw line puller. R. H. Snyder. 2,526,092, Oct. 17.
Straw, Sipping. A. M. Loptson. 2,531,855, Nov. 28.
Street car grab handle. D. E. Johnson. 2,500,415, Mar. 14.
Streptomycin on medium containing whole yeast, Producing. L. E. McDaniel. 2,515,461, July 18.
Streptomycin, Producing. R. Donovick, W. L. Koerber and G. W. Rake. 2,516,682, July 25.
Streptomycin using fermentation solubles, Production of. D. R. Colingsworth. 2,504,067, Apr. 11.
Stretch bending apparatus having a reciprocating die and pivoted side shaping and work gripping means. L. B. Green. 2,527,412, Oct. 24.
Stretcher. A. E. Atwood. 2,503,314, Apr. 11.
Stretcher. G. W. Gilleland. 2,528,048, Oct. 31.
Stretcher. R. C. Hughes. 2,511,061, June 13.
Stretcher. C. C. Rhodes and H. L. Seiden. 2,517,443, Aug. 1.
Stretcher and pleat holder, Pants. C. McCauley. 2,517,331, Aug. 1.
Stretcher, Bale tie. S. D. Russell. 2,505,209, Apr. 25.
Stretcher, Boot. E. Galterio. 2,501,216, Mar. 21.
Stretcher, Combined basket and field. W. Glover. 2,512,931, June 27.
Stretcher, Curtain. J. Miele. 2,508,681, May 23.
Stretcher, Curtain. H. F. Yustin. 2,521,889, Sept. 12.
Stretcher, Cushion and carpet. G. S. Vnak. 2,507,179, May 9.
Stretcher float. B. E. Jennings. 2,519,376, Aug. 22.
Stretcher for seriously wounded. J. Gomelski. 2,514,128, July 4.
Stretcher, Garment. H. L. Needles and E. B. O'Toole. 2,519,276, Aug. 15.
Stretcher, Pants. C. L. Bader and C. C. Stone. 2,531,599, Nov. 28.
Stretcher press. W. A. Weightman. 2,515,752, July 18.
Stretcher, Shoe. F. W. Nathan. 2,500,917, Mar. 14.
Stretcher, Shoe or boot. T. R. Muzinich. 2,511,366, June 13.
Stretcher, Wire. W. J. Greutman. 2,519,832, Aug. 22.
Stretcher, Wire. B. Smith. 2,504,599, Apr. 18.
Stretching and contour forming machine, Metal. C. J. Bath. 2,514,830, July 11.
Stretching and drying device for fabric material. S. J. and J. Brewczynski. 2,508,353, May 23.
Stretching continuous sheet materials, Process and apparatus for. W. H. Ryan. 2,505,146, Apr. 25.
Stretching machine, Pelt. J. J. Mowad. 2,493,924, Jan. 10.
Strickling machine. O. G. J. Meunier. 2,532,634, Dec. 5.
Striking and damping mechanism for pianos. H. G. Linderoth. 2,502,861, Apr. 4.
Striking device. H. K. Ullman. 2,497,244, Feb. 14.
String for musical instruments. J. Kosmis, Jr. 2,535,143, Dec. 26.
Stringer fish snap. C. A. Boyer. 2,517,761, Aug. 8.
Stringer, Separable fastener. L. H. Morin. 2,493,309, Jan. 3.
Stringer, Side coupling separable fastener. L. H. Morin. 2,517,402, Aug. 1.
Stringer, Slider fastener. W. M. Camp. 2,525,284, Oct. 10.
Stringing device. J. F. Carlile. 2,517,461, Aug. 1.
Stringing machine, Bag. B. C. Golden. 2,504,974, Apr. 25.
Stringing machine, Bag. E. E. West. 2,511,658, June 13.
Strip and frame, Laminated tacking. V. H. Hoehn. 2,531,271, Nov. 21.
Strip annealing. J. French. 2,535,983, Dec. 26.
Strip assembly for highways and the like, Parting. J. H. Jacobson. 2,535,135, Dec. 26.
Strip assembly, Wireway or light. C. Krauss. 2,503,876, Apr. 11.
Strip casting machine. A. H. Narrow. 2,531,290, Nov. 21.
Strip coiling apparatus. E. H. Edstrom. 2,526,010, Oct. 17.
Strip feed mechanism for paper cup making machines or the like. L. M. Harvey. 2,500,408, Mar. 14.
Strip feeding and severing machine. L. F. Hageman. 2,513,093, June 27.
Strip feeding apparatus. S. L. Nowelsky. 2,514,554, July 11.
Strip feeding device. R. Kryeske. 2,528,374, Oct. 31.
Strip, Folded. A. Unger. 2,493,559, Jan. 3.
Strip for doors, Weather. A. R. Klnish. 2,494,247, Jan. 10.
Strip for electric discharge devices, Starting. E. Lemmers. 2,508,118, May 16.
Strip for film printing, Diaphragm. A. V. L. C. Debrie. 2,504,813, Apr. 18.
Strip for metal shingles, Joining. C. F. Sperry. 2,522,067, Sept. 12.
Strip for panel members, Sealing. G. B. Haas. 2,505,893, May 2.
Strip-forming and feeding apparatus. P. S. Smith. 2,514,611, July 11.
Strip guide attachment. S. J. Ketterer. 2,506,506, May 2.
Strip guiding apparatus. G. R. Markle. 2,532,563, Dec. 5.

Strip member for interior wall decoration, Structural. A. E. Fridolph. 2,496,910, Feb. 7.
Strip, Price tag supporting. F. J. Gerbes. 2,514,046, July 4.
Strip uncoiler, Metal. R. T. Todd. 2,508,977, May 23.
Stripper. E. L. Winkler. 2,508,083, May 16.
Stripper and splitter, Bark. J. T. B. Cline. 2,520,274, Aug. 29.
Stripper, Cable and wire. H. E. Charles. 2,502,245, Mar. 28.
Stripper feet for buttonhole attachments. J. P. Enos. 2,504,069, Apr. 11.
Stripper, Grass seed. M. Wilkins. 2,499,047, Feb. 28.
Stripper having auxiliary pneumatic means, Cotton. H. Sartin. 2,493,422, Jan. 3.
Stripper, Metal drawing. R. T. Catlin and G. R. Eckstein. 2,528,577, Nov. 7.
Stripper plate construction for conveyer furnaces. F. T. Cope. 2,525,286, Oct. 10.
Stripping articles from molds, Method and apparatus for. E. C. Kastner. 2,508,522, May 23.
Stripping assembly, Tail-hide. W. J. Hincks. 2,496,394, Feb. 7.
Stripping fluidized solids, Method and apparatus for. P. Ostergaard. 2,519,150, Aug. 15.
Stripping mechanism for carton forming machines. F. M. Willbrandt. 2,515,621, July 18.
Stripping multilayer film, Method and apparatus for. J. G. Capstaff. 2,533,424, Dec. 12.
Stripping of mirror backing and composition of matter useful in such process. K. E. Brown, F. E. Clark, and C. E. Jackson. 2,525,166, Oct. 10.
Stripping solvents from oils. A. C. Beckel and P. A. Belter. 2,511,833, June 20.
Strips for insoles, Making ribbed. A. S. Clark. 2,528,719, Nov. 7.
Striping machine. C. G. Sohmer. 2,518,952, Aug. 15.
Striping tool. W. A. Bihary. 2,494,160, Jan. 10.
Stroboscopic device. W. A. Anderson. 2,514,619, July 11.
Stroboscopic projection of intermittent film on television cameras. W. I. McCord. 2,496,102, Jan. 31.
Stroller. O. T. Topper. 2,534,539, Dec. 19.
Stroller. V. R. Trabucco. 2,517,736, Aug. 8.
Stroller having removable chair. J. Berger. 2,512,995, June 27.
Stroller having spring supported seat, Child's. R. P. Muffley. 2,527,953, Oct. 31.
Structural element, Built-up. H. C. Fischer and A. H. W. Higgins. 2,500,940, Mar. 21.
Structural elements, Manufacturing curved. A. V. Pedersen. 2,510,602, June 6.
Structural units of gridlike construction providing supports for walls, floors, or the like. A. M. Butts. 2,534,852, Dec. 19.
Structure and adhesive therefor, Laminated. T. P. Camp and C. N. Kolmodin. 2,518,281, Aug. 8.
Structure and producing it, Twisted yarn-like. W. L. Thompson, Jr. 2,535,376, Dec. 26.
Structure and producing same, Composite. J. Compton. 2,499,724, Mar. 7.
Structure, Atomizing. K. V. Smith. 2,494,590, Jan. 17.
Structure, Corrugated. B. P. Kunz. 2,501,180, Mar. 21.
Structure for airplanes, Frame. G. H. Tweney and R. J. Miller. 2,500,015, Mar. 7.
Structure for and method of transfer, exchange, control regulation, and storage of heat and cold. F. E. Hazard. 2,512,545, June 20.
Structure for controlling a radio receiving set and a clock, Combined. M. Brener. 2,511,963, June 20.
Structure for dielectric heating, Manual and self-adjusting heating-electrode. W. H. Anderson and D. S. Shingler. 2,498,632, Feb. 28.
Structure for doors, Handle retaining. F. M. Lambert. 2,493,980, Jan. 10.
Structure for dynamic loudspeakers and the like, Magnetic field. D. H. Cunningham. 2,501,031, Mar. 21.
Structure for electrical units, Supporting. J. Markowitz. 2,495,339, Jan. 24.
Structure for garment cylinders, Unloading. O. E. Kling. 2,508,034, May 16.
Structure for power lifting attachments for vehicles, Framework. W. W. Simmonds. 2,495,144, Jan. 17.
Structure for sextants or the like, Bearing. T. O. Brandon. 2,504,960, Apr. 25.
Structure for space discharge tubes, Electrode. G. W. Warren. 2,495,618, Jan. 24.
Structure for the supporting assembly of motor vehicles, Supporting. R. D. Smith. 2,524,576, Oct. 3.
Structure for varying the configuration of an aircraft surface, Extensible. T. C. Harper. 2,504,684, Apr. 18.
Structure of window shades. C. D. Carver. 2,509,033, May 23.
Strut, Hydraulic. J. W. Coursen and E. J. Schweitzer. 2,497,489, Feb. 14.
Strut or stay. N. Straussler. 2,525,244, Oct. 10.
Stub line device, Wide band. H. K. Clark. 2,516,505, July 25.
Stud extractor tool. W. F. Dreyer. 2,497,214, Feb. 14.
Stud fastened molding clip. O. J. Poupitch. 2,500,377, Mar. 14.

Stud or valve setting tool. G. F. Freer. 2,522,817, Sept. 19.
Stud removing tool. R. E. Jones. 2,535,638, Dec. 26.
Stud setting device. B. A. McKean. 2,531,456, Nov. 28.
Stud wrench. J. Keiser. 2,516,394, July 25.
Study aid for trigonometry, Visual. J. E. Henry, Sr. 2,509,301, May 30.
Stuffing apparatus, Sausage. A. G. Weier. 2,502,611, Apr. 4.
Stuffing box. C. G. Haskell. 2,511,109, June 13.
Stuffing box. A. W. Meynig. 2,502,977, Apr. 4.
Stuffing box and expansion joint. M. E. Johnson. 2,528,436, Oct. 31.
Stuffing oil filter elements, Method of and apparatus for. L. T. Barrickman. 2,501,652, Mar. 28.
Stump eliminator. J. A. Pilgrim. 2,530,399, Nov. 21.
Stump dozer. T. W. Peacock. 2,528,170, Oct. 31.
Stylus. H. E. Schumacher. 2,496,023, Jan. 31.
Stylus, Guarded. F. W. Roberts and S. Yerkovich. 2,534,735, Dec. 19.
Stylus holder. H. A. Stamper. 2,530,739, Nov. 21.
Stylus, Phonograph. L. J. Andres. 2,502,242, Mar. 28.
Stylus, Phonograph. G. M. Mencke. 2,501,872, Mar. 28.
Stylus, Phonograph. M. A. Miller. 2,502,661, Apr. 4.
Stylus protection mechanism. C. W. Dann. 2,524,561, Oct. 3.
Stylus, Recording. I. L. Capps and E. G. Cook. 2,530,284, Nov. 14.
Stylus, Sound reproducing. E. L. Mack. 2,519,488, Aug. 22.
Styrene and halogenated styrene, Production of. H. A. Dutcher. 2,501,382, Mar. 21.
Styrene interpolymers, Preparing modified. A. H. Gleason, P. K. Frolich, and W. J. Sparks. 2,526,654, Oct. 24.
Styrene-substituted benzalacetophenone copolymers. E. C. Chapin. 2,496,697, Feb. 7.
Styrene-tall oil modified polyester composition, Polymerizable. S. E. Glick. 2,514,389, July 11.
Styryl dyes. L. G. S. Brooker and F. L. White. 2,494,032, Jan. 10.
Sub and grand total printing, resetting, and amount transfer mechanisms. E. J. Rabenda, R. E. Page, and H. S. Beattie. 2,518,063, Aug. 8.
Subject matter for blueprinting purposes, Production of. H. T. Story. 2,509,847, May 30.
Subjecting fluid matter to a high-frequency electric field, Method of and apparatus for. R. A. Bierwirth. 2,508,365, May 23.
Submarine detecting device. E. A. Johnson. 2,535,068, Dec. 26.
Submerged flame burner. N. Swindin. 2,530,271, Nov. 14.
Submerged resistor induction furnace. L. W. Bahney and A. H. Horswell. 2,494,501, Jan. 10.
Subscriber telephone set double connection signal. O. A. Shann. 2,496,642, Feb. 7.
Subsoiler. C. L. Cook and A. E. Young. 2,533,435, Dec. 12.
Substation apparatus for local and common battery service, Telephone. H. C. Pye. 2,529,418, Nov. 7.
Substituted 3,1-benz-2,3,4,5-tetrahydroazepines. L. A. Walter. 2,520,264, Aug. 29.
Subtilin, Preparing. R. E. Feeney and J. A. Garibaldi. 2,508,378, May 23.
Subtilin, Producing. J. J. Stubbs, R. E. Feeney, J. A. Garibaldi, and I. C. Feustel. 2,524,089, Oct. 3.
Succinic acid, Production of. O. L. Polly. 2,533,620, Dec. 12.
Suckling device for calf feeders. P. O. Stevens. 2,501,146, Mar. 21.
Suckling device for calves. P. O. Stevens. 2,516,730, July 25.
Suction attachment. G. T. Ellis. 2,523,201, Sept. 19.
Suction box. C. L. Clark. 2,503,436, Apr. 11.
Suction box. J. W. Stewart. 2,533,697, Dec. 12.
Suction cleaner. L. K. Acheson. 2,494,981, Jan. 17.
Suction cleaner. J. J. Bevington, Jr., and E. Boros. 2,534,808, Dec. 19.
Suction cleaner. E. C. Binggely. 2,498,063, Feb. 21.
Suction cleaner. G. A. Brace. 2,525,282–3, Oct. 10.
Suction cleaner. H. A. Consor. 2,502,641, Apr. 4.
Suction cleaner. N. C. Cuddeback. 2,520,531, Aug. 29.
Suction cleaner. D. C. Gerber and E. L. Snyder. 2,522,709, Sept. 19.
Suction cleaner. K. M. Hammell. 2,514,280, July 4.
Suction cleaner. R. C. Osborn. 2,507,043, May 9.
Suction cleaner. L. E. Segesman. 2,498,098, Feb. 21.
Suction cleaner. H. B. White. 2,498,102, Feb. 21.
Suction cleaner. H. B. White. 2,520,589, Aug. 29.
Suction cleaning means for loopers. W. R. Bennett, Sr. 2,501,838, Mar. 28.
Suction cup placement. O. W. Hueter. 2,501,942, Mar. 28.
Suction filter. J. C. F. C. Richter. 2,510,254, June 6.
Suction head. H. P. Wheeler. 2,527,110, Oct. 24.
Suction head. E. M. Woock. 2,502,612, Apr. 4.
Suction holding apparatus. E. A. Hawk. 2,512,274, June 20.
Suction operated windshield wiper motor. N. Nordenstam. 2,499,671, Mar. 7.
Sudsing device for an aspirating apparatus. W. Trostler. 2,514,107, July 4.
Sugar and edible sirup and preparing same from sugar bearing fluids. J. P. Bartz. 2,525,761, Oct. 17.
Sugar bell mold. C. Sundstrom. 2,498,187, Feb. 21.
Sugar cane cleaning method and apparatus. F. T. Crawford. 2,533,357, Dec. 12.
Sugar carbamates and resinous condensation products therefrom. P. D. Morton. 2,527,839, Oct. 31.
Sugar dispenser. A. Hansen. 2,527,813, Oct. 31.
Sugar from colored sugar bearing fluids without molasses as a by-product, Production of white. J. P. Bartz. 2,526,111, Oct. 17.
Sugar, Manufacturing. H. Schreiber. 2,509,111, May 23.
Sugar purification, Ion exchange. F. L. Gayle. 2,496,244, Jan. 31.
Sugar purification process. W. W. Durant and W. A. Blann. 2,522,022, Sept. 12.
Sugar solutions, Refining. W. A. La Lande, Jr. 2,495,334, Jan. 24.
Sugar sulfitation apparatus. D. A. Bernaldes. 2,515,690, July 18.
Sugars in vinasse to fermentable sugars, Converting unfermentable. F. Boinot and P. Gautier. 2,529,131, Nov. 7.
Suitcase having pivotal frame for mounting garment-hanger supporting bars, Wardrobe. M. P. Koch. 2,526,142, Oct. 17.
Suitcase sections having embedded-hinge and meeting-edge gasket, Plastic. A. L. Long. 2,510,643, June 6.
Suit, Child's. J. Astrove. 2,520,300, Aug. 29.
Suit form pad. G. Tanzer. 2,528,021, Oct. 31.
Suit hanger. K. H. Hustede. 2,509,346, May 30.
Suit, Snow. J. Werber. 2,502,296, Mar. 28.
Suit, Sun. H. Prescott. 2,521,020, Sept. 5.
Suit, Ventilator. J. D. Akerman. 2,512,990, June 27.
Sulfa derivatives of 2-amino-5-alkenyl-1,3,4-thiadiazoles. L. P. Kyrides, F. B. Zienty, and R. W. Stephenson. 2,511,371, June 13.
Sulfadiazene-alkali salicylate composition, Soluble. F. Meyer and C. Neuberg. 2,510,993, June 13.
Sulfaguanidine, The Manufacture of. H. H. Richmond. 2,508,929, May 23.
Sulfamates, Manufacture of. J. Kamlet. 2,514,955, July 11.
Sulfanilyl piperazines and preparing same. S. Kushner and V. K. Smith, Jr. 2,535,934, Dec. 26.
Sulfenamides, Preparation of. G. Alliger. 2,495,085, Jan. 17.
Sulfenamides, Production of. C. M. Himel and L. O. Edmonds. 2,520,400, Aug. 29.
Sulfhydryl derivatives of chloromethyl dihydrosafrol. H. Wachs. 2,521,813, Sept. 12.
Sulfide phosphors, Infrared strontium. N. F. Miller. 2,521,124, Sept. 5.
Sulfides containing acylated amino groups and preparing same, Water soluble. R. Sallmann. 2,494,966, Jan. 17.
Sulfidic pigments, Preparing. J. J. O'Brien. 2,500,958, Mar. 21.
Sulfite solutions, Stabilized. L. De Mytt and R. E. Reed. 2,506,492, May 2.
Sulfoaryl-amides of aromatic carboxylic acids, Manufacture of. H. A. Lubs, W. V. Wirth, J. A. Bridgman, and L. Spiegler. 2,497,131, Feb. 14.
Sulfoaryl-amides of aromatic carboxylic acids, Manufacture of. H. A. Lubs, W. V. Wirth, L. Spiegler, and J. A. Bridgman. 2,497,130, Feb. 14.
Sulfolanyl ethers of heterocyclic alcohols, Asymmetrical. R. C. Morris and J. L. Van Winkle. 2,504,098, Apr. 18.
Sulfomethyl dicyandiamide. J. M. Smith, Jr. 2,502,897, Apr. 4.
Sulfonamide, Iodinated. R. de Montaner. 2,494,930, Jan. 17.
Sulfonamide wax emulsions. D. Aelony. 2,505,931, May 2.
Sulfonates and making and using, Organic. E. E. Gilbert and J. A. Otto. 2,506,417, May 2.
Sulfonating polystyrene. M. Baer. 2,533,211, Dec. 12.
Sulfonation method. M. J. Vold and R. W. Mertes. 2,514,733, July 11.
Sulfonation of allyl esters. J. S. Brod. 2,529,537, Nov. 14.
Sulfonation of olefins. R. A. Henry and J. S. Brod. 2,529,538, Nov. 14.
Sulfonation of polystyrene. M. Baer. 2,533,210, Dec. 12.
Sulfonation of unsaturated esters. J. S. Brod and R. A. Henry. 2,529,539, Nov. 14.
Sulfonation process. R. W. Mattson. 2,523,582, Sept. 26.
Sulfonhydrazides, Aromatic. J. A. Sprung and W. A. Schmidt. 2,513,826, July 4.
Sulfonyl derivatives of di-tertiary-alkyl peroxides and their production. F. F. Rust, A. R. Stiles, and W. E. Vaughan. 2,519,403, Aug. 22.
Sulfoselenide reactants, Preparation of cadmium. G. C. Marcot. 2,496,587, Feb. 7.
Sulfosuccinate esters of 4-alkylphenoxyethanols. K. L. Lynch. 2,507,030, May 9.
Sulfoxidation process. H. W. Bradley. 2,507,088, May 9.
Sulfur colors of novel shades and preparing the same. G. B. Robbins. 2,504,153, Apr. 18.
Sulfur-containing carboxylic acid esters. J. D. Kendall and H. D. Edwards. 2,493,071, Jan. 3.
Sulfur-containing liquids. S. J. Lukasiewicz and W. I. Denton. 2,515,928, July 18.

Sulfur containing molding compositions, sulfur containing consolidated products, and making the same. J. G. Meiler and K. B. Bollerslev. 2,505,782, May 2.
Sulfur dioxide-olefin resins, Production of. H. D. Noether and E. P. Irany. 2,505,833, May 2.
Sulfur from oils, Removing. H. M. Unschuld and J. G. Alther. 2,504,058, Apr. 11.
Sulfur, Manufacture of insoluble. E. T. Ross and C. B. Wilde. 2,534,063, Dec. 12.
Sulfur, Producing insoluble. A. Schallis. 2,513,524, July 4.
Sulfur spone iron, Production of low. R. C. Buehl, J. P. Riott, and E. P. Shoub. 2,495,225, Jan. 24.
Sulfur-substituted mercaptodihydrosafroles. E. A. Prill. 2,523,233, Sept. 19.
Sulfur suspension, Producing a stable. A. Schallis and J. Hurley. 2,516,095, July 18.
Sulfur trioxide compounds of 4-alkyl morpholines, Preparing. W. B. Hardy. 2,502,839, Apr. 4.
Sulfur trioxide, Production of dry. B. M. Carter. 2,520,454, Aug. 29.
Sulfur trioxide stabilization. H. G. McCann. 2,511,072, June 13.
Sulfur trioxide, The manufacture of. J. Cathala. 2,510,684, June 6.
Sulfur vaporization. C. A. Porter and M. M. Marisic. 2,508,292, May 16.
Sulfuric acid and hydraulic cement from gypsum, Producing. R. M. Willson. 2,528,103, Oct. 31.
Sulfuric acid and sodium chloride from sodium sulfate solutions, Preparation of. O. Laubi and M. Gerber. 2,531,137, Nov. 21.
Sulfuric acid recovery. M. C. Fuqua. 2,530,953, Nov. 21.
Sulfuric acid recovery. T. P. Hawes and A. P. Giraitis. 2,512,327, June 20.
Sulfuric esters of leuco vat dyes, Preparation of. J. Taras. 2,507,944. May 16.
Sulfuric esters of leuco vat dyestuffs, Manufacture of. S. Coffey, G. W. Driver, D. A. W. Fairweather, and F. Irving. 2,506,580, May 9.
Sulphamic acid product and preparing the same, Stabilized. J. R. Clark and J. D. Malkemus. 2,513,549, July 4.
Sulphonation of copolymers of monovinyl- and polyvinyl-aromatic compounds. R. F. Boyer. 2,500,149, Mar. 14.
Sunglasses. T. A. Willson. 2,534,748, Dec. 19.
Sunshade. M. Adams. 2,521,768, Sept. 12.
Sunshade. A. D. Balsam. 2,517,827, Aug. 8.
Sunshade, Auto. A. C. Engelheart. 2,496,085, Jan. 31.
Sunshade, Camera. C. M. Wilkinson. 2,519,989, Aug. 22.
Sunshade, Vehicle. C. L. McComb. 2,526,889, Oct. 24.
Sun switch. S. Wilcox. 2,508,700, May 23.
Supercharged cathode follower circuit. P. S. Veneklasen. 2,508,586, May 23.
Supercharger. P. Brevard. 2,529,864, Nov. 14.
Supercharger control. R. J. Coar. 2,533,714, Dec. 12.
Supercharger control. M. J. Kittler. 2,511,348, June 13.
Supercharger control means and system, Cabin. W. D. Teague, Jr. 2,507,945, May 16.
Supercharger driving mechanism. C. J. Lucia. 2,505,713, Apr. 25.
Supercharger for automotive vehicles, Exhaust driven. S. M. Udale. 2,508,311. May 16.
Superheater elements with groups of trifurcated tubes. A. P. J. Huet. 2,517,489, Aug. 1.
Superheater for chemical recovery units. A. L. Hamm. 2,519,566, Aug. 22.
Superheterodyne circuit. E. E. Combs. 2,505,754, May 2.
Superheterodyne receiver for unmodulated telegraphic signals. D. Koffyberg. 2,509,977, May 30.
Superphosphate manufacture. E. H. Wight and T. O. Tongue. 2,504,546, Apr. 18.
Superphosphate, Manufacture of. S. A. Harvey and G. L. Bridger. 2,528,514, Nov. 7.
Superphosphate manufacturing plant. E. A. Werner. 2,531,798, Nov. 28.
Superregenerative circuit. L. A. Mayberry. 2,511,409, June 13.
Superregenerative receiver. R. C. Emerson. 2,535,401, Dec. 26.
Superregenerative receiver. T. M. Ferrill, Jr., and B. F. Spencer. 2,533,237, Dec. 12.
Superregenerative receiver. J. C. Tellier and H. H. Wilson, Jr. 2,511,086, June 13.
Superregenerative receiver. H. T. Winchel and E. R. Robuck. 2,508,982, May 23.
Superregenerative receiver circuit. W. E. Bradley. 2,504,636, Apr. 18.
Superregenerator. L. Riebman. 2,513,428, July 4.
Superregenerator. L. Riebman. 2,513,968, July 4.
Supersensitization of meso-aryl carbocyanine dyes. B. H. Carroll. 2,533,427, Dec. 12.
Supersonic inspection device. R. B. De Lano, Jr. and E. M. Williams. 2,534,006, Dec. 12.
Supersonic reflector mounting. R. P. Blanchard. 2,519,345, Aug. 22.
Supersonic testing. B. Carlin. 2,527,986, Oct. 31.
Supersonic testing apparatus. T. M. Berry and R. W. Samsel. 2,527,208, Oct. 24.
Supervisory control system. E. von Mülinen. 2,509,850, May 30.
Supplemental apron for center extension table. G. N. Kelly. 2,533,119, Dec. 5.
Supplemental lining. E. T. Roe. 2,514,515, July 11.
Supply system for film and filament film-forming machines. C. E. Hendrixson, Jr. 2,507,594, May 16.
Supply system, Liquid fuel. R. J. Ifield. 2,523,214, Sept. 19.
Supplying coolant to grinding wheels, Method and apparatus for. J. C. Wilson. 2,535,184, Dec. 26.
Supplying tempering steam and regeneration gas to a catalyst. D. J. Wormith. 2,509,900, May 30.
Supplying water to internal-combustion engines. W. R. Schwindler. 2,495,485, Jan. 24.

Support: *See*—
Abdominal support.
Abrasive disk support.
Adjustable article support.
Adjustable bearing support.
Adjustable clothesline support.
Adjustable reflector support.
Adjustable support.
Adjustable typewriter support.
Air translating apparatus support.
Arc electrode support.
Arch support.
Arm support.
Automobile clothes hanger support.
Automobile support.
Ball and socket type support.
Barbecue and campfire cooking apparatus support.
Basketball backboard goal support.
Battery support.
Bedcover support.
Bed or body support.
Bicycle handle bar support.
Book support.
Booth table support.
Brake beam safety support.
Brake beam support.
Brake cylinder support.
Brush support.
Burial trouser support.
Bust support.
Camera and lighting support.
Camera support.
Can opener support.
Christmas tree support.
Cloth roll support.
Clothesline support.
Coil support.
Collar support.
Commodity extruding collapsible tube support.
Compensating center support.
Concealed antenna support.
Container support.
Cord support.
Costume flower support.
Counterbalancing lid support.
Cup and saucer support.
Damped bearing support.
Decorative candle support.
Display support.
Doll support.
Drawing board support.
Drum support.
Dump truck chute support.
Electric furnace resistor support.
Electric iron cord support.
Electrode support.
Fire hose support.
Fishing rod support.
Folding hammock support.
Folding shelf support.
Folding support.
Form clamping support.
Form support.
Furnace refractory support.
Garbage can support.
Garment hanger support.
Garment support.
Gauge support.
Grinding wheel support.
Gun support.
Hanger support.
Hearing aid support.
Heddle bar support.
Hose support.
Indexing center work support.
Insulator support.
Invalid support.
Island strip support.
Jack support.
Jaw support.
Lathe tool support.
Longitudinal road joint support.
Magnetic support.
Manikin support.
Motorcycle hand support.
Motor support.
Mount support.
Musical instrument support.
Outboard motor support.
Outlet box support.
Phonograph-shock and vibration absorbing support.
Pipe support.
Plastic knuckle support.
Plate support.
Pontoon bridge support.
Portable ladder support.
Portable projection picture screen support.
Radio and record player chassis support.
Railway car coupler support.
Receptacle support.
Reel support.
Resilient seat support.
Resistor support.
Rod support.
Rotor support.
Safety clothesline support.
Searchlight support.
Shelf support.
Shirt collar support.
Shoe sling back strap support.
Shoe support.
Skew arch support.
Sliding door support.
Sports net support.
Spraying apparatus support.
Spring seat support.
Spring support.
Swing motion emergency coupler support.
Swing support.
Table support.
Tank truck support.
Telephone hand-piece shoulder support.
Telephone support.
Telescopic and adjustable building support.
Tool support.
Tractor seat support.
Trailer mounted boat support.
Tree support.
Trolley conductor support.
Vacuum cleaner support.
Vacuum tube support.
Vehicle operator's leg support.
Vehicle support.
Vibration absorbing support.
Vibrator support.
Wearing apparel support.
Window safety belt support.
Window sash support.
Wire support.
Workpiece support.
Work support.
Yarn ball support.

Support. J. S. Daniels. 2,526,009, Oct. 17.
Support. W. J. Gamin. 2,525,538, Oct. 10.
Support. W. R. Gunderson. 2,532,021, Nov. 28.
Support. L. N. Jarry. 2,515,348, July 18.
Support. R. L. Mann. 2,514,134, July 4.
Support and centering arrangement for the electrodes of electric discharge tubes, Resilient. G. H. P. Alma. 2,494,853, Jan. 17.
Support and cord assembly for hand telephones. W. G. Turnbull, Jr. 2,530,556, Nov. 21.
Support and drive for receiver parabola stabilization, Semicircular type. F. V. Flynt. 2,512,636, June 27.
Support and extinguisher, Combined cigarette. C. F. Block. 2,498,330, Feb. 21.
Support and extinguisher for candles, Shade. J. A. McHollan. 2,528,604, Nov. 7.
Support and flame shield, Comb. A. Rucker. 2,531,298, Nov. 21.
Support and inductive pick-up for telephone signal amplifying system, Handset. M. L. M. Souget. 2,500,264, Mar. 14.
Support and inspection light, Tire. H. W. Darr. 2,505,233, Apr. 25.
Support and ironing board, Combined work. S. Zelzer. 2,506,479, May 2.
Support and lawn ornament, Combination clothesline. G. E. Nitschke. 2,515,661, July 18.
Support and package, Outboard motor. C. E. Scott and G. W. Gerber. 2,515,428, July 18.
Support and positioning device, Car coupler. V. E. Sisson. 2,504,890, Apr. 18.
Support and positioning device, Cushioned car coupler. K. E. Zeidler. 2,513,834, July 4.
Support and release, Magazine. L. Frankel. 2,504,317, Apr. 18.
Support and sign, Mailbox. W. L. Enghauser. 2,534,163, Dec. 12.
Support and vertical margin indicator, Typewriter sheet. J. W. Jambura. 2,503,825, Apr. 11.
Support apparatus. H. D. Lathrop. 2,526,245, Oct. 17.
Support bearing and gear assembly. G. K. Richardson. 2,531,587, Nov. 28.
Support clamp. F. Szabo. 2,533,974, Dec. 12.
Support comprising a ring having a plurality of fingers extending forwardly and rearwardly of the ring, Light bulb. E. A. Price. 2,530,360, Nov. 14.
Support comprising identical coacting wedges, Adjustable leveling. R. Cramer, Jr. 2,524,961, Oct. 10.
Support construction and fastening device therefor. C. H. Judd. 2,520,725, Aug. 29.
Support for a pipe within a conduit. J. F. Walsh. 2,531,658, Nov. 28.
Support for a sanitary attachment of sink or basin type, Pressure-operated adjustable. R. R. Freund, J. M. Royal, and L. F. Schoelkopf. 2,514,540, July 11.
Support for artificial legs, Adjustable stump. J. Aho. 2,500,622, Mar. 14.
Support for automobiles, Clothes hanger. J. W. Hess and C. W. Bishop. 2,510,175, June 6.
Support for automobiles, Garment hanger. M. L. Hermsmeyer. 2,522,174, Sept. 12.
Support for automobile seats and the like, Curtain wall. E. V. Allers. 2,531,096, Nov. 21.
Support for bathroom curtains. B. Siff. 2,525,048, Oct. 10.
Support for bedsprings, Demountable. J. Shapiro. 2,501,878, Mar. 28.
Support for box loads, Resilient. C. M. Ellis. 2,524,378, Oct. 3.
Support for brake beams, Safety. A. M. Nelsen. 2,496,015, Jan. 31.
Support for burettes and the like. F. G. Dresser. 2,516,965, Aug. 1.
Support for bus bars, Insulation. H. Jensen. 2,532,845, Dec. 5.
Support for cameras, Filter and sunshade. L. J. Sherry. 2,497,018, Feb. 7.
Support for casket lowering equipment, Mobile. H. H. Campbell. 2,499,458, Mar. 7.
Support for cathode-ray tubes, Adjustable. F. E. Radman. 2,528,973, Nov. 7.
Support for centering device. A. I. Zumwalt. 2,531,799, Nov. 28.
Support for chair irons, Adjustable back. G. D. Sickert. 2,518,946, Aug. 15.
Support for chairs, stools, and the like, Adjustable. C. Vitek. 2,501,976, Mar. 28.
Support for clothes hangers, Bracket type. C. J. Patt. 2,531,151, Nov. 21.
Support for coaxial fluid conduits. W. J. Whatley. 2,504,478, Apr. 18.
Support for containers. H. C. Boardman. 2,523,274, Sept. 26.
Support for containers, Lock. L. Peters. 2,523,969, Sept. 26.
Support for containers, Resilient. J. L. Gibbs. 2,527,541, Oct. 31.
Support for conveyer rollers. K. W. Gass. 2,529,684, Nov. 14.
Support for counters and the like, Retractable shelf. B. W. Schwindt. 2,508,804, May 23.
Support for corpses, Skirt. G. F. McLoughlin, Jr. 2,504,210, Apr. 18.
Support for corrugated paperboard machines, Web roll. F. H. Benjamin. 2,501,985, Mar. 28.
Support for curtains, draperies, and the like. L. Abrams. 2,522,918, Sept. 19.
Support for desk drawers, Business machine. C. M. Abrahamson. 2,531,381, Nov. 28.
Support for desks, Insertable typewriter. J. R. Jones and F. H. Bloomstran. 2,511,919, June 20.
Support for drums. L. M. Able. 2,511,451, June 13.
Support for dynamoelectric machines, Bearing. H. M. Martin. 2,518,159, Aug. 8.
Support for electric food mixers or the like. R. S. and I. D. Wallach. 2,529,120, Nov. 7.
Support for electric heating apparatus. L. Marano. 2,493,541, Jan. 3.
Support for electrical machines. R. J. Reek and F. O. Wisman. 2,531,702, Nov. 28.
Support for electron guns. A. L. Buttino. 2,529,134, Nov. 7.
Support for electron-optical instruments, Adjustable specimen. E. G. Dornfeld. 2,499,019, Feb. 28.
Support for filling machines, Bag. W. R. Peterson. 2,500,768, Mar. 14
Support for fishing rods. M. Geisheimer. 2,499,821, Mar. 7.
Support for floating roof tanks, Seal. M. N. Lebedeff. 2,495,742, Jan. 31.
Support for food storage receptacles. E. H. Boddy. 2,499,179, Feb. 28.
Support for garment hangers. M. A. Du Lude. 2,498,400, Feb. 21.
Support for garment hangers. M. A. Ostrow. 2,514,790, July 11.
Support for gas burner ignition flash tubes. C. C. Lamar. 2,518,911, Aug. 15.
Support for gas cookstoves, Lighter tube. H. M. Reeves. 2,524,210, Oct. 3.
Support for goggles, Brow-bar. F. W. Lindblom. 2,507,474, May 9.
Support for growing plants, Floating. P. H. Eve. 2,531,562, Nov. 28.
Support for hearing aid tubes, Earring. C. H. Starkey. 2,506,116, May 2.
Support for hollow articles providing means to control the cooling of the material within the article. E. E. Franz. 2,530,238, Nov. 14.
Support for household utility devices. H. F. Schmidt, G. T. Gerlach, and J. C. Squiers. 2,534,683, Dec. 19.
Support for indicators, Universal. J. J. Borrup. 2,529,071, Nov. 7.
Support for individuals while harvesting crops. C. P. Sivertson. 2,524,181, Oct. 3.
Support for ironers, Shiftable. L. M. Kahn. 2,528,595, Nov. 7.
Support for lids, covers, and the like. G. V. Jakeway. 2,527,933, Oct. 31.
Support for lift trucks, Hose. J. A. Frischmann. 2,513,928, July 4.
Support for lighting fixtures employing elongated tubular lamps. C. E. Barker. 2,529,990, Nov. 14.
Support for machine tools, Work. R. E. Jones. 2,517,112, Aug. 1.
Support for machines, Stock. M. Kholos. 2,512,335, June 20.
Support for meters and the like. F. H. Mueller. 2,510,512. June 6.
Support for motor vehicles, Front end. L. D. Thostenson. 2,499,936, Mar. 7.
Support for multiple flame tubes. G. B. R. Feilden. 2,511,432, June 13.
Support for office machines. R. E. Annerén. 2,529,475, Nov. 14.
Support for outlet boxes, Adjustable mounting. C. C. Buckels. 2,528,418, Oct. 31.
Support for patients in face-down position, Surgical. E. A. Naclerio. 2,507,172, May 9.
Support for pendant fixtures. K. Versen. 2,516,661, July 25.
Support for portable conveyers, Sectional. G. Manierre. 2,525,555, Oct. 10.
Support for radio speakers, Magnet. D. G. Munson. 2,533,498, Dec. 12.
Support for rear axle differentials. A. G. Herreshoff. 2,529,392, Nov. 7.
Support for receptacles. J. A. Davis, Jr. 2,505,885, May 2.
Support for semitrailers. C. G. Seyferth. 2,523,152, Sept. 19.
Support for shaving brushes and other articles. E. A. Neugass. 2,523,539, Sept. 26.
Support for shower heads and curtains. T. G. McMillan. 2,504,561, Apr. 18.
Support for substances or particles to be formed or treated, Rotary. S. J. Moore. 2,503,678, Apr. 11.
Support for suspending garments in automobiles. J. F. Moltrup. 2,510,244, June 6.
Support for telephone handset bases. Article holding. N. and M. Sloane. 2,498,770, Feb. 28.
Support for telephones, Head. W. R. Cole. 2,535,269, Dec. 26.
Support for tension type frameless window screens, End bar. D. J. Rust and J. H. Jensen. 2,525,149, Oct. 10.

Support for the firing control mechanism of a marine mine, Resilient. J. D. Turlay. 2,493,788, Jan. 10.
Support for the opening of vacuum cleaner bags or the like, Edge. F. S. Howard. 2,516,121, July 25.
Support for use in bathtubs, Baby. M. I. Davis, Jr. 2,503,938, Apr. 11.
Support for toilet paper, Fixture. C. O. Coon. 2,494,376, Jan. 10.
Support for umbrellas, shoes, and the like, Collapsible. D. Eisenberg. 2,533,725, Dec. 12.
Support for vehicle running gears, Spring. C. A. Gustafson. 2,531,621, Nov. 28.
Support for violon-cellos. J. Schroetter. 2,498,459, Feb. 21.
Support for wall receptacles. A. G. Lampe. 2,518,912, Aug. 15.
Support for window frames, Temporary. M. Joyce. 2,514,397, July 11.
Support for women's wear, Bust. L. P. Edelman. 2,510,012, May 30.
Support for writing instruments, Rolling. R. A. Schroeder, Jr. 2,497,418, Feb. 14.
Support having universal joint locked by pair of nut-actuated wedges, Vise. S. P. Hull. 2,495,065, Jan. 17.
Support means for drums and drum accessories. J. Somerville. 2,525,623, Oct. 10.
Support mechanism, Flatiron. P. Cureton. 2,528,821, Nov. 7.
Support shield for hangers. H. A. Tomarin. 2,534,081, Dec. 12.
Support structure, Adjustable. A. L. Johnson. 2,526,666, Oct. 24.
Supporter, Adjustable athletic. S. C. Nelson. 2,524,327, Oct. 3.
Supporter, Bust. V. S. Johnson. 2,509,353, May 30.
Supporter, Collar. R. A. Carlisle. 2,510,030, May 30.
Supporter for soft collars, Shape. R. Sato. 2,515,802, July 18.
Supporter, Garment. E. S. Cushman. 2,503,804, Apr. 11.
Supporter or shield, Strapless. F. Viniegra. 2,534,934, Dec. 19.
Supporter, Woman's hose. L. B. Cooley. 2,529,074, Nov. 7.
Supporting and adjusting movable shuttering for use in the construction of walls or the like from concrete or similar material. A. H. Hawes. 2,516,318, July 25.
Supporting and bracing ironing boards, Pivotally. A. P. Lantz. 2,498,557, Feb. 21.
Supporting and driving mixer drums. C. I. Bohmer and E. Barker. 2,511,240, June 13.
Supporting and positioning device for car couplers. V. E. Sisson. 2,504,891, Apr. 18.
Supporting and sealing member. A. L. Stone. 2,493,556, Jan. 3.
Supporting arrangement for printing press beds. F. W. Hill. 2,505,184, Apr. 25.
Supporting bracket. O. Valasek. 2,527,899, Oct. 31.
Supporting construction, Skirt and curtain. S. J. Weinzimmer. 2,528,848, Nov. 7.
Supporting device, Article. A. L. Howard. 2,506,596, May 9.
Supporting device for bottles and other receptacles on filling, stoppering, capsuling, and the like machines. R. Détrez. 2,535,272, Dec. 26.
Supporting device, Lamp fixture. E. G. Anderson. 2,523,180, Sept. 19.
Supporting detail for flexible conductors. B. H. Carmer, Jr., and F. A. Dutra. 2,530,812, Nov. 21.
Supporting four-in-hand neckties, Means for. C. H. West. 2,502,297, Mar. 28.
Supporting gas-turbine power plants. F. M. Owner and A. G. Henstridge. 2,529,958, Nov. 14.
Supporting means for milking apparatus. S. Daily. 2,497,299, Feb. 14.
Supporting means for press platens. S. N. Baldwin. 2,500,791, Mar. 14.
Supporting means for sewing machines. L. C. Marsac. 2,527,319, Oct. 24.
Supporting railway cars on their trucks. A. G. Dean. 2,514,034, July 4.
Supporting stand. P. C. Daugert. 2,502,510, Apr. 4.
Supporting stand. E. G. Onsrud. 2,513,959, July 4.
Supporting structure. T. H. Woodfield and C. J. Morton. 2,504,776, Apr. 18.
Supporting structure for machines. H. C. Bradley. 2,522,985, Sept. 19.
Supporting the nozzles of the combustion chambers of internal-combustion turbines. A. A. Lombard. 2,494,821, Jan. 17.
Suppression of corrosion. E. Q. Camp. 2,522,430, Sept. 12.
Suppression of noise in communication systems. S. T. Fisher. 2,504,971, Apr. 25.
Suppressor for cavity resonator devices, Parasitic. S. G. McNees. 2,516,522, July 25.
Surfboard. G. B. D. Parker. 2,531,946, Nov. 28.
Surfboard, Pneumatic. C. W. Friedrich. 2,513,857, July 4.
Surface active composition and making. J. M. Johnson, F. L. Mark, and M. Jelling. 2,514,954, July 11.
Surface active compositions. H. B. Goldstein and A. S. Waldman. 2,528,136, Oct. 31.
Surface-bonding fibrous batts. C. Dreyfus. 2,497,117, Feb. 14.
Surface coating apparatus. H. W. Mackey. 2,525,920, Oct. 17.
Surface conditioning metal bodies, Method and apparatus for. E. A. Doyle. 2,500,245, Mar. 14.
Surface control system. C. Schultz. 2,494,208, Jan. 10.
Surface finishing machine. A. P. Robinson. 2,507,052, May 9.
Surface gauge. H. Fink. 2,495,841, Jan. 31.
Surface hardening, High-frequency. H. Grumel. 2,512,718, June 27.
Surface hardening of ferrous metals. H. I. Schlesinger and G. W. Schaeffer. 2,494,267, Jan. 10.
Surface mounted jar holder. T. L. Kehoe. 2,531,052, Nov. 21.
Surface treating apparatus. W. H. Mead and A. C. Buchan. 2,494,773, Jan. 17.
Surface treating device. K. H. Barnes. 2,493,215, Jan. 3.
Surface treating glass containers. N. J. Rodman. 2,525,725, Oct. 10.
Surface treating method and apparatus. W. H. Mead. Re. 23,186, Jan. 3.
Surface treatment means support arrangement. S. P. Chappen. 2,500,660, Mar. 14.
Surface working machine. C. Hauser. 2,534,969, Dec. 19.
Surfacer for concrete blocks, Roller. W. R. George. 2,495,960, Jan. 31.
Surfaces during cold-working, Lubricating metal. A. G. Rocchini and R. J. Neely. 2,529,188–90, Nov. 7.
Surfacing cylindrical objects, Method and apparatus for. D. A. Wallace. 2,498,903, Feb. 28.
Surfacing material. C. W. Winkler. 2,515,847, July 18.
Surge chamber. E. K. Carver. 2,530,190, Nov. 14.
Surge check and release valve for hydraulic press-operating circuits, Combination. R. W. Brehm and W. R. Tucker. 2,526,800, Oct. 24.
Surge protected alternating-current vacuum tube meter. J. Deketh. 2,505,465, Apr. 25.
Surgery, Bone. J. G. Collison. 2,494,229, Jan. 10.
Surgical appliance for use with draining wounds. M. J. Bellinger. 2,524,750, Oct. 10.
Surgical clamp. M. Wolf. 2,535,559, Dec. 26.
Surprise gift box. M. M. Holtzman and L. Alten. 2,516,003, July 18.
Surveyor and coordinator, Dental. V. Stoll. 2,510,152, June 6.
Suspender. H. J. Bayon. 2,521,326, Sept. 5.
Suspenders. H. P. Garren and B. J. Stepp. 2,514,756, July 11.
Suspending device, Hosiery. W. C. Wagener. 2,506,910, May 9.
Suspensible child's chair. A. G. Goldberg. 2,508,822, May 23.
Suspension and stabilizing systems, Combined. C. W. Willson. 2,525,988, Oct. 17.
Suspension arch. H. W. Weber and D. W. Williamson. 2,524,722, Oct. 3.
Suspension arch, including ceramic suspension tile. H. W. Weber and D. W. Williamson. 2,524,721, Oct. 3.
Suspension device. G. C. Wilhide. 2,496,612, Feb. 7.
Suspension device for the shafts of rotary crushers. M. P. Barrot. 2,508,089, May 16.
Suspension device for vehicles. C. W. Hull. 2,506,217, May 2.
Suspension device for vehicles, aircraft, and the like, Fluid actuated. W. W. Marston. 2,521,074, Sept. 5.
Suspension device, Paddle or oar. F. E. Spiehler. 2,504,461, Apr. 18.
Suspension for aircraft, Undercarriage. H. Davies. 2,529,377, Nov. 7.
Suspension for driven wheels. J. Pezzano. 2,504,725, Apr. 18.
Suspension for musical resonant bars. P. H. Rowe. 2,499,113. Feb. 28.
Suspension for vehicles, Beam. R. W. Pointer. 2,493,025, Jan. 3.
Suspension for vehicles, Resilient. R. W. Pointer. 2,493,026, Jan. 3.
Suspension for vehicles, Spring. H. E. Churchill. 2,496,906, Feb. 7.
Suspension hook. E. J. Lux. 2,497,615, Feb. 14.
Suspension means. R. E. Rawlins. 2,526,413, Oct. 17.
Suspension means between a supporting wheel and the chassis-frame of a vehicle. R. Greaves. 2,527,411, Oct. 24.
Suspension means for acoustical absorbers. G. L. Beers. 2,502,017, Mar. 28.
Suspension means for seats. T. P. Rossi. 2,508,688, May 23.
Suspension means, Pneumatic. A. F. Smith. 2,496,893, Feb. 7.
Suspension of axle-hung electric traction motors. E. A. Binney. 2,501,307, Mar. 21.
Suspension polymerization of vinyl compounds. W. P. Hohenstein. 2,524,627, Oct. 3.
Suspension system for tractors and like vehicles. A. C. Howard. 2,534,772, Dec. 19.
Suspension system for vehicles, Axle. F. W. Avila. 2,496,428, Feb. 7.
Suspension system, Vehicle. K. B. Kier. 2,529,162, Nov. 7.
Suspension type spectacle mounting. G. Lissac. 2,518,914, Aug. 15.

Suspensions of chlorinated materials and making the same. H. S. Olson. 2,496,745, Feb. 7.
Suspensions of solid triglyceride and liquid oil, Preparing. G. W. Holman and O. T. Quimby. 2,521,219, Sept. 5.
Sustaining and aligning means, Endless track. S. O. Rarick. 2,511,736, June 13.
Suture and method, Surgical. J. O. Bower. 2,493,943, Jan. 10.
Suture or tourniquet, Automatic. R. A. Middaugh. 2,518,921, Aug. 15.
Sutures. H. L. Davis and M. L. Tringali. 2,524,772, Oct. 10.
Sutures. H. J. Rynkiewicz. 2,519,404, Aug. 22.
Suturing means. J. T. Carr. 2,523,812, Sept. 26.
Swab apparatus for applying acid to can body blanks. W. H. Puschel, T. E. Smith, and H. W. Garrett. 2,500,568, Mar. 14.
Swab for tapered casing or tubing. G. G. Hebard. 2,527,929, Oct. 31.
Swab, Well. H. E. Bowerman. 2,518,275, Aug. 8.
Swath turner. R. H. and E. H. Schempp. 2,529,577, Nov. 14.
Swather, Push-type full vision. P. R. Ufer. 2,501,424, Mar. 21.
Swather, Self-propelled. J. R. Munter. 2,510,245, June 6.
Swatter, Fly. W. W. Sharpe. 2,496,415, Feb. 7.
Sweat-preventing means for freezing cases. D. J. Greiling. 2,504,520, Apr. 18.
Sweater construction. W. J. Kuehnel. 2,493,675, Jan. 3.
Sweater frame. M. Mayer. 2,506,513, May 2.
Sweep circuit. C. R. Seaward. 2,493,600, Jan. 3.
Sweep generator. D. M. Jacob. 2,523,763, Sept. 26.
Sweep or basket for tractor attachments, Hinged. T. J. Young, J. B. Rambo, and H. N. Young. 2,497,385, Feb. 14.
Sweep voltage generator. H. I. Zagor. 2,508,879, May 23.
Sweep-voltage generator circuit. P. R. Bell, Jr. 2,532,534, Dec. 5.
Sweeper, Carpet. P. Heftler. 2,497,885–6, Feb. 21.
Sweeper for land mines. W. H. Taylor. 2,496,423, Feb. 7.
Sweeper, Suction street. B. B. Boyce and W. B. Powell. 2,529,993, Nov. 14.
Sweeping mechanism for bowling alleys. I. J. Snyder. 2,498,587, Feb. 21.
Sweetening gasoline. G. W. Ayers and E. E. Harton. 2,529,670, Nov. 14.
Sweetening light hydrocarbon oils. L. T. Devol and W. J. Ayers. 2,508,817, May 23.
Swing. R. A. Gazella. 2,516,975, Aug. 1.
Swing, A. M. Towe. 2,516,275, July 25.
Swing. H. R. Wheeler. 2,509,547, May 30.
Swing and exercising device, Combination. R. V. Harrold. 2,513,021, June 27.
Swing and table assembly, Combination baby. B. V. Ketcham. 2,533,019, Dec. 5.
Swing, Child's. J. T. McCarty. 2,531,069, Nov. 21.
Swing, Door jamb. J. A. Huth. 2,521,977, Sept. 12.
Swing hammer mill. D. W. Jackson. 2,506,455, May 2.
Swing jig. A. H. Bowlzer. 2,512,787, June 27.
Swing joint. F. N. Bard. 2,531,021, Nov. 21.
Swing joint. R. O. Monroe. Re. 23,298, Nov. 28.
Swing joint. R. O. Monroe. 2,497,183, Feb. 14.
Swing motion emergency coupler support. V. E. Sisson. 2,504,889, Apr. 18.
Swing mounting. F. J. Malloy. 2,514,713, July 11.
Swing, Playground. C. Germana. 2,532,444, Dec. 5.
Swing, Portable push-pull. E. Ellis. 2,524,967, Oct. 10.
Swing seat. B. Schrougham. 2,520,377, Aug. 29.
Swing support. F. W. Kaiser. 2,523,574, Sept. 26.
Swing suspension, Four point. J. F. Benson. 2,517,278, Aug. 1.
Swing, Twin glider. F. W. Hart. 2,510,223, June 6.
Swing, Twin seat lawn. C. J. Kliss. 2,535,800, Dec. 26.
Swing valve. F. C. Fantz. 2,516,510, July 25.
Swinging lawn chair. R. Z. Snell. 2,520,741, Aug. 29.
Swinging slide valve. F. C. Fantz. 2,530,295, Nov. 14.
Swinging telephone bracket. W. B. Stone. 2,535,330, Dec. 26.
Switch: *See*—
Adjustable centrifugal switch.
Adjustable gauge warning signal switch.
Air-Break switch.
Air flow interlock switch.
Air pressure responsive switch.
All relay telephone selector switch.
Altitude switch.
Auto safety switch.
Automatic control switch.
Automatic electric switch.
Automatic fire alarm switch.
Automatic starter switch.
Automatic switch.
Automatic water control switch.
Baffled time delay mercury switch.
Battery master switch.
Bowling alley signal switch.
Burglar alarm switch.
Centrifugal cutout switch.
Centrifugal switch.
Centrifugally operated switch.
Circuit control switch.
Circuit selector switch.
Clamp tight switch.
Clock selector switch.
Coaxial switch.
Column spring snap switch.
Column spring switch.
Combined ignition and starter switch.
Connection actuated receptacle switch.
Control switch.
Conveyer switch.
Conveyer track switch.
Cord-type electric switch.
Cover operated switch.
Cross-wire switch.
Cushioned magnetic switch.
Delayed-action switch.
Direction signal switch.
Disconnect switch.
Door sensitive edge actuated switch.
Double-acting snap switch.
Electric control switch.
Electric momentary switch.
Electric push-button switch.
Electric regulation operated switch.
Electric snap switch.
Electric switch.
Electrical panel board switch.
Electrical probe switch.
Electrical switch.
Electrolytic switch.
Electromagnetic latch trip switch.
Electromagnetic step-by-step switch.
Electromagnetic switch.
Electromagnetically actuated switch.
Electronic switch.
Engine safety switch.
Engine starter control switch
Expulsion fuse switch.
Feed-through switch.
Fire-detecting switch.
Five position lever switch.
Flashlight switch.
Flat tire detector switch.
Fluid pressure operated switch.
Fluid pressure switch.
Foot switch.
Fuse switch.
Glow switch.
Hand switch.
Heat responsive switch.
Hermetically sealed thermostatic switch.
Hospital signaling switch.
Illuminated toggle switch.
Insulated thermostatic switch.
Interlock switch.
Limit switch.
Load-break fuse switch.
Low-voltage attachment switch.
Magnet-operated switch.
Magnetic snap action switch.
Magnetic switch.
Magnetically controlled switch.
Magnetically operated oscillatory switch.
Magnetically operated switch.
Mailbox switch.
Make and break or change-over electric switch.
Mercury safety switch.
Mercury switch.
Momentary contact impulse switch.
Motor controller switch.
Multiple contact switch.
Multiple pole switch.
Multiple step switch.
Multiple switch.
Multipole electric switch.
Multiway electric switch.
Nonsparking switch.
Oscillating railway switch.
Overload indicating safety switch.
Permutation electric switch.
Phase changer switch.
Plunger type photoflash switch.
Positive "off" thermostatic switch.
Power disconnect switch.
Pressure control switch.
Pressure controlled switch.
Pressure operated switch.
Pressure responsive switch.
Pressure switch.
Protective switch.
Push-button switch.
Radio frequency shielded switch.
Radio-frequency switch.
Railroad switch.
Railway switch.
Reciprocating contact switch.
Resistance switch.
Rheostat switch.
Rocker-arm snap switch.
Rotary electric switch.
Rotary snap switch.
Rotary switch.
Safety switch.
Scale-light switch.
Selector switch.
Self-adjusting pneumatic pressure switch.
Sequence switch.
Setback switch.
Signal relay switch.
Silent electric switch.
Slide contactor switch.
Snap acting electric switch.
Snap action electric switch.
Snap action switch.
Snap spring operated switch.
Snap switch.
Solenoid operated switch.
Source transfer switch.
Speed responsive switch.
Spiral thermostatic switch.
Spotlight switch.
Spring plunger switch.
Springless electric push-button switch.
Station plunger switch.
Sun switch.
Tabulation paper runout warning switch.
Tachometer switch.
Temperature indicator switch.
Thermal responsive switch.
Thermal safety pilot switch.
Thermal switch.
Thermally actuated switch.
Thermally controlled electric switch.
Thermally operated electric switch.
Thermocouple safety pilot switch.
Thermostat switch.
Thermostatic control switch.
Thermostatic electrical switch.
Thermostatic switch.
Time-controlled electric switch.
Time switch.
Timing switch.
Tire pressure alarm switch.
Tire pressure switch.
Toggle-lever switch.
Treadle switch.
Trolley frog switch.
Trolley section switch.
Tuning fork type periodic switch.
Two-button switch.
Vibration-proof thermostatic switch.
Warm air limit control switch.
Switch. G. H. Allgeyer. 2,503,862, Apr. 11.
Switch. J. K. Asder. 2,507,949, May 16.
Switch. C. V. Bates. 2,527,475, Oct. 24.
Switch. W. E. Brown and J. W. Lawson. 2,512,788, June 27.
Switch. H. H. Clayton. 2,528,035, Oct. 31.
Switch. H. Gesswein. 2,503,383, Apr. 11.
Switch. C. F. Gibson. 2,506,208, May 2.

Switch. M. L. Jeffrey. 2,506,505, May 2.
Switch. J. W. Lawson and W. E. Brown. 2,511,069, June 13.
Switch. G. S. Ley. 2,523,125, Sept. 19.
Switch. F. C. Schwaneke. 2,520,441, Aug. 29.
Switch. J. P. Smith, Jr. 2,501,195, Mar. 21.
Switch. M. O. Souza. 2,508,692, May 23.
Switch actuator, Electric. O. H. Kaminky and S. G. Ransome. 2,511,271, June 13.
Switch actuator, Material responsive. T. L. Lane. 2,494,819, Jan. 17.
Switch adjustment, Railroad. A. F. Huber. 2,497,502, Feb. 14.
Switch and contacts therefor, Snap. J. J. Cooper. 2,517,845, Aug. 8.
Switch and resetting mechanism therefor, Safety. G. H. Brown. 2,519,432, Aug. 22.
Switch and snap-acting element therefor, Snap. J. O. Moorhead and T. M. Gunn. 2,516,236, July 25.
Switch and switch stand for model railroads. C. A. Erickson. 2,522,608, Sept. 19.
Switch and the like, Volume control. R. P. Mork. 2,498,569, Feb. 21.
Switch and tuning device for radio transceivers. D. R. Goddard. 2,513,796, July 4.
Switch and variable resistor for miniature electrical apparatus, Electrical. R. L. Wolff and H. J. Glueckstein. 2,499,711, Mar. 7.
Switch apparatus, Antitheft. E. J. Mead. 2,535,366, Dec. 26.
Switch arranged for testing two or more lines of a selected group simultaneously, Two-motion type automatic telephone. R. Taylor and G. T. Baker. 2,504,755. Apr. 18.
Switch arranged in multiple rows, Push-button. E. S. McLarn. 2,531,457, Nov. 28.
Switch arrangement, Decentralized line. R. E. Hersey. 2,532,097, Nov. 28.
Switch arrangement for money counting machines. T. E. Hayes. 2,494,615, Jan. 17.
Switch arrangement, Gang relay. A. F. Horlacher. 2,500,413, Mar. 14.
Switch assemblage, Cam type limit. N. H. Koertge, G. Ellyn, and E. L. Rucks. 2,522,278, Sept. 12.
Switch assembly, Electromagnetic. H. L. Hawthorn and E. M. Germond. 2,503,484, Apr. 11.
Switch assembly, Fluid operated. H. M. Sylvester and E. I. Rusk. 2,494,213, Jan. 10.
Switch assembly, Manually operable thermostatic. F. R. Bean. 2,520,873–4, Aug. 29.
Switch attachment, Safety electrical. J. T. Choppa. 2,523,943, Sept. 26.
Switch bank contact cleaner. B. D. Lorimer. 2,504,709, Apr. 18.
Switchboard, Hinged-panel. M. A. Pringle. 2,498,296, Feb. 21.
Switch box. T. E. Murray. 2,511,365, June 13.
Switch box bracket. N. C. Gardner. 2,514,755, July 11.
Switch chamber for alternating currents. A. Latour. 2,519,772, Aug. 22.
Switch cleaning tool. O. S. A. Mesch. 2,503,558, Apr. 11.
Switch construction. T. Fjellstedt and S. C. Killian. 2,527,924, Oct. 31.
Switch construction. M. Sorensen. 2,521,489, Sept. 5.
Switch construction, Electric. G. L. Thiry. 2,519,205, Aug. 15.
Switch construction, Rotary. G. S. Ellithorpe. 2,530,006, Nov. 14.
Switch construction, Signaling. C. Miller. 2,514,083, July 4.
Switch contact, Cam operated. H. E. W. West. 2,532,000, Nov. 28.
Switch contact construction. W. H. Lindae. 2,511,354, June 13.
Switch contact device. F. H. Cole. 2,498,250, Feb. 21.
Switch contact mounting detail, Electric. S. Minneci. 2,513,952, July 4.
Switch control and indication system. P. M. Brannen. 2,495,204, Jan. 24.
Switch control for automatic telephone systems, Selector. D. K. Du Bois. 2,528,269, Oct. 31.
Switch control for centralized traffic control systems of the coded track circuit type, Outlying track. H. A. Talbert. 2,510,324, June 6.
Switch control for flashlights, Rotary. A. H. Moore. 2,503,287, Apr. 11.
Switch control, Series. P. H. Williams. 2,506,623, May 9.
Switch controlling apparatus, Railway track. E. M. Allen. 2,511,760, June 13.
Switch device. H. A. Cowardin. 2,515,078, July 11.
Switch device, Electrical. H. C. Harrison. 2,499,581, Mar. 7.
Switch device, Inertia-controlled. C. L. Eksergian. 2,519,124, Aug. 15.
Switch device, Sequence. D. W. Johnson. 2,496,164, Jan. 31.
Switch device, Ultra high frequency ionic discharge. A. L. Samuel. 2,533,512, Dec. 12.
Switch enclosed in a receptacle, Thermostatic. H. Szabó. 2,527,108, Oct. 24.
Switch for alarm systems. L. R. Ballinger. 2,509,667, May 30.
Switch for automatic telephone systems, Cross-rod. G. B. Knös. 2,517,679, Aug. 8.
Switch for automatic telephone systems, Selector. H. N. Newstedt. 2,529,409, Nov. 7.
Switch for belt conveyer systems, Load. C. O. Wood. 2,525,847, Oct. 17.
Switch for boats, Ignition. D. Zurit and F. H. Holmes. 2,526,446, Oct. 17.
Switch for box-making machines, Target operated. A. Bascetta. 2,532,005, Nov. 28.
Switch for burglar alarm systems, Door. T. J. Gundlach. 2,521,005, Sept. 5.
Switch for burglar alarms. R. H. Levy. 2,521,858, Sept. 12.
Switch for cable operated machinery. M. Wright. 2,507,078, May 9.
Switch for clearance indicators. F. Eliassen. 2,508,149, May 16.
Switch for clothes driers, Thermostatic. T. E. Graves. 2,524,438, Oct. 3.
Switch for control compasses, Mercury. C. H. Bolin. 2,524,340, Oct. 3.
Switch for domestic appliances. G. C. Pearce. 2,496,889, Feb. 7.
Switch for electric alarm clocks, Auxiliary bed controlled. D. E. Belich. 2,496,373, Feb. 7.
Switch for electric applications and notably for signaling circuits, Automatic time. J. Husson. 2,515,407, July 18.
Switch for electric heaters, Interlocking. A. J. Huck. 2,526,234, Oct. 17.
Switch for electric hot plates. L. T. Akeley. 2,524,506, Oct. 3.
Switch for engine cooling systems, Safety. F. W. Murphy. 2,532,182, Nov. 28.
Switch for engine-driven generators. L. M. Kern. 2,508,719, May 23.
Switch for flash attachments. J. P. Castellano. 2,495,443, Jan. 24.
Switch for floor lamps. J. M. Puffer. 2,493,419, Jan. 3.
Switch for fluorescent lamps, Starter. M. H. Kruger. 2,495,266, Jan. 24.
Switch for hydraulic brakes, Low level. J. E. Fox. 2,494,802, Jan. 17.
Switch for hydraulic brakes, Safety. E. C. Malvin. 2,535,940, Dec. 26.
Switch for indicating failure of lubricating systems. R. H. Moth. 2,523,666, Sept. 26.
Switch for indicators, Pressure responsive. K. L. McGuire. 2,511,509, June 13.
Switch for motor vehicle batteries, Ground. J. E. Digman. 2,521,837, Sept. 12.
Switch for motor vehicles, Caution signal. A. Hanson, Jr. 2,520,681, Aug. 29.
Switch for motor vehicles, Electrical. J. F. Hassay. 2,513,172, June 27.
Switch for overhead tracks. S. Le Fiell. 2,535,541, Dec. 26.
Switch for race totalizator ticket issuers, Selector. A. F. and G. A. Julius. 2,514,070, July 4.
Switch for speed regulators. W. R. Goss and H. C. Roemke. 2,518,138, Aug. 8.
Switch for split phase motors, Starter. C. V. Portella. 2,511,799, June 13.
Switch for starting-motors on automobiles, Automatic. L. F. Jezek. 2,497,222, Feb. 14.
Switch for stranding machines, Safety. C. O. Bruestle and H. Wilken. 2,495,886, Jan. 31.
Switch for the electrical system of an automobile, Controlling. H. L. Stauffer. 2,507,942, May 16.
Switch for the light systems of vehicles, Safety. R. E. Denslow. 2,535,271, Dec. 26.
Switch for turn indicators in motor vehicles, Control. C. H. H. Rodanet. 2,518,722, Aug. 15.
Switch for use in telephone systems, Selecting. D. P. Long. 2,504,708, Apr. 18.
Switch for use in telephone systems, Selecting. D. P. Long. 2,513,949, July 4.
Switch for vehicle lighting circuits, Direction. J. R. Hollins. 2,514,604, July 11.
Switch for vehicles, curb indicator. J. A. Campbell. 2,520,305, Aug. 29.
Switch for vehicles, Inertia cutoff. K. R. Batt. 2,535,384, Dec. 26.
Switch for ventilating systems. J. H. Allen, and E. S. Ramsey. 2,526,315, Oct. 17.
Switchgear, Electric. D. A. J. Oxley. 2,493,689, Jan. 3.
Switchgear, Metal-clad. J. B. MacNeill and B. I. Hayford. 2,501,345, Mar. 21.
Switchgear, Metal-enclosed. M. A. Pringle. 2,504,876, Apr. 18.
Switchgear with adjustable panel, Enclosed. B. Volgovskoy. 2,533,645, Dec. 12.
Switch having a blade torsionally mounted, Snap. E. A. Miller. 2,529,881, Nov. 14.
Switch heater. W. A. Lebus. 2,530,473, Nov. 21.
Switch holding and release mechanism. J. A. Rugh. 2,534,797, Dec. 19.
Switch in automatic telephone systems, Selector. C. E. Lomax. 2,529,402, Nov. 7.
Switch lever detent, Electromagnetic actuated. J. C. Wilson. 2,525,846, Oct. 17.

Switch locking means for portable electric tools. E. P. Turner and R. Happe. 2,503,226, Apr. 4.
Switch lockout mechanism. I. F. Peckham. 2,497,416, Feb. 14.
Switch means. S. C. Killian. 2,527,269, Oct. 24.
Switch means for clothes-washing machines, Control. K. Clark. 2,502,823, Apr. 4.
Switch means for indicating time intervals. R. Telford. 2,523,602, Sept. 26.
Switch mechanism. G. Morse. 2,507,381, May 9.
Switch mechanism. E. J. Schaefer. 2,516,922, Aug. 1.
Switch mechanism adapted for use in a high-frequency heating system. C. C. Fisher. 2,515,152, July 11.
Switch mechanism, Commutating. G. H. Leland. 2,501,950, Mar. 28.
Switch mechanism comprising a latch carried by a thrust-transmitting cam, Trip-free. R. F. Kidd. 2,506,270, May 2.
Switch mechanism, Electric. C. J. Ambrose. 2,526,107, Oct. 17.
Switch mechanism, Electrical. R. C. Russell. 2,499,166, Feb. 28.
Switch mechanism, Remotely-controlled selector. R. T. Weaver and C. E. Hundstad. 2,516,606, July 25.
Switch mechanism, Snap over toggle. P. J. McLaren and C. O. Benson. 2,521,015, Sept. 5.
Switch mechanism with wire armature. C. C. Rennecamp. 2,500,704, Mar. 14.
Switch of the crossbar type. J. Wicks. 2,535,769, Dec. 26.
Switch of the push-and-pull type, Electric. H. W. Batcheller. 2,521,561, Sept. 5.
Switch-operating means for bin alarms. C. Gray. 2,520,500, Aug. 29.
Switch operating mechanism and fan. C. R. Aben. 2,514,114, July 4.
Switch operating mechanism with positive kickoff. W. L. Dietrich. 2,534,007, Dec. 12.
Switch operator and cover interlock means. W. Robertson. 2,527,451, Oct. 24.
Switch operator for storage bin indicators. M. Barker. 2,526,191, Oct. 17.
Switch operator, Wall. R. A. Stang and J. L. Rector. 2,515,932, July 18.
Switch or deflector device for directing the products of printing machines. G. Turrall. 2,526,916, Oct. 24.
Switch-over system. M. N. Yardeny and A. Razdowitz. 2,531,187, Nov. 21.
Switch position indication. T. G. A. Sillers. 2,532,647, Dec. 5.
Switch positioning device, Automatic. E. Lohse. 2,511,727, June 13.
Switch resetting mechanism, A. G. Forsberg. 2,510,690, June 6.
Switch rod connection to switch point. G. Arnold, H. A. Schultz, and H. I. Prentice. 2,512,131, June 20.
Switch seasoning and testing apparatus, Starter. L. H. Zyta. 2,497,525, Feb. 14.
Switch structure. E. P. Thias and W. W. White. 2,501,456, Mar. 21.
Switch structure, Automobile. M. H. Murray. 2,503,449, Apr. 11.
Switch structure, Snap. J. J. Rothwell. 2,515,528, July 18.
Switch system, Resonant. H. Reifel. 2,529,814, Nov. 14.
Switch to be built into a heating pad or similar device. G. C. Crowley. 2,508,101, May 16.
Switch unit and ornament, Combination multiple. B. E. Cook. 2,509,809, May 30.
Switch unit, Electric. R. N. Rowe. 2,494,315, Jan. 10.
Switch unit for overhead tracks. S. Le Fiell. 2,517,326, Aug. 1.
Switch unit for universal use, Demountable time. R. D. Smith. 2,508,896, May 23.
Switch unit, Tire pressure. L. Geraci and A. Pablovich. 2,520,241, Aug. 29.
Switch whose blade swings and twists, Electric. F. G. Schmidt. 2,521,484, Sept. 5.
Switch with flexible lead deformed by torsion, Electric. C. R. Peter. 2,533,397, Dec. 12.
Switch with key locking arrangement, Push-pull selector. D. W. Johnson. 2,508,067, May 16.
Switch with magnetic biasing, Electric. B. P. Baker, R. G. Shriver, and R. C. Van Sickle. 2,499,622, Mar. 7.
Switch with multiple manual and automatic controls, Time. O. O. Prophet. 2,505,573, Apr. 25.
Switch with pendulum arrester, Limit. L. B. Petrak. 2,533,040, Dec. 5.
Switch with plurality of contacting fingers, Coaxial. F. C. Blancha. 2,505,939, May 2.
Switch with position indicator, Electric appliance. J. Youhouse. 2,522,423, Sept. 12.
Switch with snap action, Electric. R. N. Rowe. 2,494,314, Jan. 10.
Switches operated in hunting operations on both incoming and outgoing calls to complete connections, Telephone subscriber's individual. C. Marble. 2,508,646, May 23.
Switching arrangement, Automatic. P. H. E. Claesson and I. W. Grundin. 2,534,500, Dec. 19.
Switching device. M. A. Clement. 2,529,375, Nov. 7.
Switching device. R. E. Mumma. 2,495,075, Jan. 17.
Switching device. M. N. Yardeny and R. Bernas. 2,531,186, Nov. 21.
Switching device, Automatic. B. A. Harvey and F. O. Peterson. 2,497,671, Feb. 14.
Switching device, Automatic. F. J. Perillo. 2,506,171, May 2.
Switching device, Electric. P. Hutt. 2,505,548, Apr. 25.
Switching device, Electrical circuit. . W. R. Aiken. 2,529,323, Nov. 7.
Switching device, Thermally responsive. C. W. Kuhn. 2,498,127, Feb. 21.
Switching, Electronic. D. H. Ransom. 2,512,676, June 27.
Switching for private automatic branch exchanges, Night. G. Deakin. 2,520,130, Aug. 29.
Switching means, Electromagnetic. L. M. Persons. 2,528,777, Nov. 7.
Switching mechanism, Motor-driven. J. F. Toomey and R. L. Cordell. 2,506,621, May 9.
Switching system applicable to telegraphy, Automatic. H. L. Lesigne. 2,529,166, Nov. 7.
Switching system, Automatic. W. H. Cuttino. 2,534,902, Dec. 19.
Switching system, Automatic telegraph. W. B. Blanton and R. C. Ayers. 2,520,903, Sept. 5.
Switching system, Conductor. R. P. Hanna. 2,515,999, July 18.
Switching system, Electric time. G. D. Olsson. 2,510,713, June 6.
Switching system, Multidigit all-electronic. D. H. Ransom. 2,506,613, May 9.
Switching system, Tandem. R. C. Avery. 2,533,342, Dec. 12.
Switching system, Telegraph. E. J. Agnew. 2,511,832, June 20.
Switching system, Telegraph. W. B. Blanton and E. J. Agnew. 2,512,605, June 27.
Switching system, Telegraph. L. C. Roberts. 2,503,414, Apr. 11.
Switching system, Teletypewriter. C. R. Walker. 2,522,003, Sept. 12.
Swivel. J. C. Bland. 2,507,849, May 16.
Swivel and internal expander, Combined. W. A. Flumerfelt. 2,528,221, Oct. 31.
Swivel attachment, Stirrup. F. C. Borst. 2,532,082, Nov. 28.
Swivel, Butt-rigging. A. E. Hansen. 2,519,460, Aug. 22.
Swivel chair. A. Abramson and H. T. Futrell. 2,532,873, Dec. 5.
Swivel Connection. D. C. Warren. 2,509,118, May 23.
Swivel connection, Ball type. G. M. Bagnard. 2,512,006, June 20.
Swivel connection, Packed antifriction. A. L. Faccou. 2,509,090, May 23.
Swivel for diamond drills, Water. M. L. Tucker. 2,496,830, Feb. 7.
Swivel for drilling apparatus, Fluid. R. A. McCallum. 2,502,972, Apr. 4.
Swivel for folding wing aircraft, Restrictor. A. C. Newman and J. W. Woodward. 2,508,647, May 23.
Swivel joint. E. Barker. 2,518,216, Aug. 8.
Swivel joint. H. R. Cuningham. 2,525,652, Oct. 10.
Swivel joint. E. L. Hinkson. 2,518,318, Aug. 8.
Swivel joint. H. J. Lynch and M. G. Bystrom. 2,503,281, Apr. 11.
Swivel joint. E. C. C. Miller. 2,519,147, Aug. 15.
Swivel joint. E. L. Roofe. 2,514,417, July 11.
Swivel-joint assembly. M. Tropper. 2,511,308, June 13.
Swivel, Rotary. W. E. King. 2,501,680, Mar. 28.
Swivel suspension means. G. R. Tremolada. 2,506,655, May 9.
Swivel, Triple. S. Charles. 2,514,840, July 11.
Swiveled iron cord protector. L. Reichold and L. V. Lucia. 2,530,540, Nov. 21.
Swiveled stepped bobbin fishing reel. J. E. Mitchell. 2,535,746, Dec. 26.
Symmetrical and unsymmetrical tetranuclear cyanine dyes and preparing the same. T. R. Thompson. 2,518,731, Aug. 15.
Synchromesh coupling. F. H. Tarlton. 2,532,648, Dec. 5.
Synchrometric system, Dual. M. Wallace. 2,534,842, Dec. 19.
Synchrometric system, Gated dual. M. Wallace. 2,534,843, Dec. 19.
Synchrometric system, Gated triple. M. Wallace. 2,534,844, Dec. 19.
Synchronization of pulse transmission systems. E. Peterson. 2,527,649–50, Oct. 31.
Synchronized and adjustable safety clutch. J. Linahan. 2,497,893, Feb. 21.
Synchronized pulse generator. R. E. Moe. 2,513,954, July 4.
Synchronizer. M. S. Brockman. 2,528,684, Nov. 7.
Synchronizer. E. E. Eaton. 2,519,032, Aug. 15.
Synchronizer. F. F. Kishline. 2,515,010, July 11.
Synchronizer and shock absorber, Drill motion. G. R. Watson. 2,494,020, Jan. 10.
Synchronizer circuit. J. R. Wilkerson. 2,534,329, Dec. 19.
Synchronizer, Electromagnetic camera shutter. N. S. Hulstein. 2,523,660, Sept. 26.
Synchronizer for cameras, Including shutter trip safety switch, Flash. N. S. Hulstein. 2,520,638, Aug. 29.

Synchronizer for curtain shutter cameras, Flash. P. J. Nilsen. 2,517,407, Aug. 1.
Synchronizer for multiple set radar systems. C. W. Brown. 2,516,296, July 25.
Synchronizer for setting type photographic shutters, Built-in flash. F. P. Willcox. 2,514,919. July 11.
Synchronizer having automatic resetting means, Spring operated flashlamp. J. A. van Lammeren. 2,502,541, Apr. 4.
Synchronizer having inertia switch, Camera flash. N. A. Nelson. 2,513,665–6, July 4.
Synchronizer, Photographic light. W. A. Steenbergen. 2,504,898, Apr. 18.
Synchronizing and speed control device. J. A. Chilman, A. G. Mapp, and E. H. Morris. 2,514,178, July 4.
Synchronizing apparatus. J. W. Light. 2,501,228, Mar. 21.
Synchronizing apparatus. F. F. Offner. 2,517,703, Aug. 8.
Synchronizing circuit. F. A. Hester. 2,512,647, June 27.
Synchronizing circuit. F. A. Lindley. 2,497,413, Feb. 14.
Synchronizing circuit. E. L. C. White and E. A. Newman. 2,535,247, Dec. 26.
Synchronizing corrector circuit. R. G. Schuler. 2,495,946, Jan. 31.
Synchronizing detection and interrogation systems. D. Barchok. 2,515,178, July 18.
Synchronizing device. V. V. Weyant. 2,530,796, Nov. 21.
Synchronizing device for compounded internal-combustion engines, Vacuum operated. D. Ellis. 2,521,053, Sept. 5.
Synchronizing device for stepping mechanisms. O. Tschumi. 2,532,582, Dec. 5.
Synchronizing oscillators, Method and apparatus for. R. C. Moore. 2,507,317, May 9.
Synchronizing pulse separator. A. V. Lord. 2,500,839, Mar. 14.
Synchronizing signal separating circuit. J. Kuperus. 2,493,353, Jan. 3.
Synchronizing system. R. B. Dome. 2,509,729–30, May 30.
Synchronizing system. W. R. Koch. 2,531,691, Nov. 28.
Synchronizing system. R. S. Mautner. 2,508,923, May 23.
Synchronizing system. C. E. Torsch. 2,504,235, Apr. 18.
Synchronizing system. R. F. Wood. 2,502,195, Mar. 28.
Synchronizing system for rotary elements, Remote. E. H. B. Bartelink. 2,506,766, May 9.
Synchronizing system, High-speed facsimile. W. G. H. Finch. 2,506,268–9, May 2.
Synchronizing system, High-speed facsimile. W. G. H. Finch. 2,530,516, Nov. 21.
Synchronizing unit. L. M. Potts. 2,505,722, Apr. 25.
Synchronous bed motion for printing presses and the like. A. J. Jenner. 2,517,210, Aug. 1.
Synchronous filter. G. R. Clark. 2,535,040, Dec. 26.
Synchronous motor. J. H. Kuhlmann. 2,531,518, Nov. 28.
Synchronous motor. W. J. Reid. 2,531,530, Nov. 28.
Synchronous motor. F. W. Schultz. 2,497,141, Feb. 14.
Synergistic antioxidants and preparing the same. L. A. Hall. 2,493,288, Jan. 3.
Synthesis catalyst. F. J. Buchmann. 2,512,608, June 27.
Synthesis gas, Forming. B. G. Gillespie. 2,496,342, Feb. 7.
Synthesis gas, Manufacture of. P. W. Garbo. 2,526,652, Oct. 24.
Synthesis gas, Production of. D. D. Davidson. 2,513,994, July 4.
Synthesis gas, Production of. W. M. Smith. 2,522,468, Sept. 12.
Synthesis gases, Manufacture of. E. H. Reichl. 2,529,630, Nov. 14.
Synthesis of a 2-substituted-5-oxopyrrolidine. H. W. Jacobson. 2,496,163, Jan. 31.
Synthesis of amines. A. T. Larson. 2,497,310, Feb. 14.
Synthesis of amino acids. W. F. Gresham and C. E. Schweitzer. 2,520,312, Aug. 29.
Synthesis of aspartic acid. D. T. Warner and O. A. Moe. 2,523,744, Sept. 26.
Synthesis of β-ionylidene acetaldehyde. C. D. Robeson and C. C. Eddinger. 2,507,647, May 16.
Synthesis of beta-substituted propionaldehydes. O. A. Moe and D. T. Warner. 2,527,837, Oct. 31.
Synthesis of cyanotricarboxylate compounds. D. T. Warner and O. A. Moe. 2,506,050, May 2.
Synthesis of cystathionine and intermediate condensation products. J. A. Stekol. 2,506,975, May 9.
Synthesis of disulfides. F. M. Smith. 2,501,792, Mar. 28.
Synthesis of fluoranthene and its derivatives. M. Orchin and L. Reggel. 2,503,292, Apr. 11.
Synthesis of hydrocarbons. H. V. Atwell. 2,534,395, Dec. 19.
Synthesis of hydrocarbons. A. Clark. 2,497,761, Feb. 14.
Synthesis of hydrocarbons. J. H. Grahame. 2,503,724, Apr. 11.
Synthesis of hydrocarbons. L. I. Griffin. 2,498,838, Feb. 28.
Synthesis of hydrocarbons. C. E. Hemminger. 2,518,315, Aug. 8.
Synthesis of hydrocarbons. W. G. Scharmann. 2,530,998, Nov. 21.
Synthesis of hydrocarbons. S. D. Sumerford. 2,497,964, Feb. 21.
Synthesis of hydrocarbons and oxygenated hydrocarbons. W. G. Frankenburg and E. T. Layng. 2,510,096, June 6.
Synthesis of hydrocarbons and oxygenated organic compounds. J. C. Schiller. 2,525,080, Oct. 10.
Synthesis of hydrocarbons and the like. H. V. Rees. 2,521,538, Sept. 5.
Synthesis of hydrocarbons in the presence of an iron type catalyst. H. G. Vesterdal and H. J. Sykes. 2,533,071, Dec. 5.
Synthesis of hydrocarbons, Process and apparatus for the. A. Clark. 2,500,519, Mar. 14.
Synthesis of iminodiacetonitrile. H. T. Thompson. 2,511,487, June 13.
Synthesis of lysine intermediate. D. T. Warner and O. A. Moe. 2,523,745, Sept. 26.
Synthesis of N-carboanhydrides of alpha-amino acids. W. W. Prichard. 2,516.145, July 25.
Synthesis of oxygenated organic compounds. P. T. Parker. 2,530,989, Nov. 21.
Synthesis of s-triazines, High-pressure. T. L. Cairns, A. W. Larchar, and B. C. McKusick. 2,503,999, Apr. 11.
Synthesis of substituted pteridines. C. W. Waller and J. H. Mowat. 2,500,296, Mar. 14.
Synthesis of thioethers. R. T. Bell. 2,535,831, Dec. 26.
Synthesis of thiolactones. J. D. Surmatis and W. Kimel. 2,519,720, Aug. 22.
Synthesis of tryptophane and related compounds. O. A. Moe and D. T. Warner. 2,516,332, July 25.
Synthesis of vinyl esters of carboxylic acids. F. F. A. Braconier and J. Dawance. 2,521,113, Sept. 5.
Synthesis of vinyl fluorides. L. F. Salisbury. 2,519,199, Aug. 15.
Synthesized stereoscopic vision. W. A. Ayres. 2,514,828, July 11.
Synthesizer, Electrooptical function. H.-G. Doll. 2,497,042, Feb. 7.
Synthesizing aliphatic amines. A. Clark. 2,518,754, Aug. 15.
Synthesizing gasoline and the like. H. V. Atwell. 2,535,343, Dec. 26.
Synthesizing hydrocarbons and the like. E. E. Sensel, A. J. Millendorf, and R. A. Beck. 2,503,356, Apr. 11.
Synthesizing syringaldehyde. I. A. Pearl. 2,516,412, July 25.
Synthetic astromimetic agents. O. H. Bloom. 2,504,633, Apr. 18.
Synthetic drying compositions. S. O. Greenlee and J. D. Zech. 2,502,518, Apr. 4.
Synthetic fibers, Continuous production of. B. Borzykowski. 2,494,468, Jan. 10.
Synthetic filaments and the like, Manufacturing. H. A. Kuljian. 2,519,382, Aug. 22.
Synthetic filaments for wig making purposes and for making wigs therefrom, Preparing. M. Jacoby. 2,531,685, Nov. 28.
Synthetic foundry sands. B. P. Wallace. 2,501,297, Mar. 21.
Synthetic hydrocarbon resins. C. S. Rowland. 2,521,022, Sept. 5.
Synthetic lubricant, Preparation of. D. Harman and W. E. Vaughan. 2,522,512, Sept. 19.
Synthetic lubricants from normal aliphatic mercaptans and aliphatic ketones. F. C. Frank. 2,522,669, Sept. 19.
Synthetic process for manufacturing oily products. A. Gislon. 2,499,488, Mar. 7.
Synthetic products, Making shaped. N. Drisch and R. Fays. 2,524,625, Oct. 3.
Synthetic resinous material for mounting microscopic specimens, Producing. W. D. Fleming. 2,502,446, Apr. 4.
Synthetic resins based on inorganic constituents. I. and W. Kreidl. 2,512,063, June 20.
Synthetic resins from a dichloroalkane and a hydrocarbon fraction containing chloro-aromatic hydrocarbons, Preparation of. H. S. Bloch. 2,529,591, Nov. 14.
Synthetic resins prepared from ketone condensation products. J. R. Dudley. 2,522,668, Sept. 19.
Synthetic rubber composition containing a fatty acid nitrile or polymer thereof and making the same. A. W. Ralston and H. M. Corley. 2,520,735, Aug. 29.
Synthetic rubber copolymer of a butadiene hydrocarbon and ortho-n-acrylyl or methacrylyl amino biphenyl. A. B. Craig and W. H. Yanko. 2,503,195, Apr. 4.
Synthetic rubber, Manufacture of. F. H. Amon and F. S. Thornhill. 2,509,664, May 30.
Synthetic rubberlike materials. W. C. Mast and C. H. Fisher. 2,509,513, May 30.
Synthetic staple fibers, Method and apparatus for the manufacture of. W. R. Marshall. 2,508,462, May 23.
Synthetic tricarboxylic acid and preparation. G. C. Harris. 2,517,563, Aug. 8.
Synthetic wax. H. G. Smith and T. L. Cantrell. 2,506,903–4, May 4.
Synthetic waxlike materials. J. C. Patrick and F. O. Davis. 2,532,369, Dec. 5.
Syringe. F. E. Bronk and G. K. Cameron. 2,523,809, Sept. 26.
Syringe. C. J. Greenberg. 2,515,956, July 18.
Syringe. E. R. and R. E. Mellinger. 2,525,119, Oct. 10.
Syringe. A. E. Smith. 2,495,027, Jan. 17.
Syringe, Ampoule. A. E. Smith. 2,497,563, Feb. 14.
Syringe and process, Medical. N. Steinberg. 2,523,850, Sept. 26.
Syringe construction. A. E. Smith. 2,505,307, Apr. 25.
Syringe construction, Hypodermic. L. P. Resnick and E. C. Gordon. 2,523,330, Sept. 26.

Syringe, Disposable. A. E. Smith. 2,497,562, Feb. 14.
Syringe, Disposable. A. E. Smith. 2,524,363, Oct. 3.
Springe, Disposable ampoule. A. E. Smith. 2,524,362, Oct. 3.
Syringe for applying heat-fluent impression composition to dental inlay preparations and the like, and impression-material cartridge for use therein. H. F. Boeger. 2,505,028, Apr. 25.
Syringe having lettering embedded flush therein, Glass. S. Kolodny and N. Micci. 2,505,411, Apr. 25.
Syringe holder and guide, Hypodermic. A. L. Collins. 2,525,398, Oct. 10.
Syringe, Hygienic. S. Sulek. 2,531,793, Nov. 28.
Syringe, Hypodermic. M. A. Blake. 2,502,639, Apr. 4.
Syringe, Hypodermic. N. B. Jorgensen. 2,526,365, Oct. 17.
Syringe, Hypodermic. M. L. Lockhart. 2,514,883, July 11.
Syringe, Hypodermic. Z. M. Roehr. 2,531,893, Nov. 28.
Syringe, Hypodermic. A. E. Smith. 2,495,025–6, Jan. 17.
Springe, Hypodermic ampoule. A. E. Smith. 2,524,367, Oct. 3.
Syringe, Introversion. G. N. Hein. 2,514,575, July 11.
Syringe operating device, Hypodermic. F. Harnisch. 2,531,267, Nov. 21.
Syringe, Resilient bulb. George N. Hein and George N. Hein, Jr. 2,514,566, July 11.
Syringe, Vaginal. R. L. Medley. 2,507,214, May 9.
Syringes, Surgical and medical. A. Piechaczek. 2,496,559, Feb. 7.
System and apparatus for solvent extraction. M. W. Pascal. 2,505,139, Apr. 25.
System electrically responsive to change in level of material in a receptacle. H. J. Monnik and H. H. Eickhoff. 2,528,537, Nov. 7.
System for automatic telephone exchanges with crossbar switches and private branch exchange trunk lines. N. E. Nilsson and K. G. Johnson. 2,504,274, Apr. 18.
System for automatically ticketing telephone calls. J. B. Retallack. 2,520,962, Sept. 5.
System for burner cutoff and signaling means upon tank leakage. W. G. Rowell. 2,531,159, Nov. 21.
System for calking boats. A. J. Higgins. 2,505,544, Apr. 25.
System for conducting conversions in the presence of a contact mass. T. P. Simpson, J. W. Payne, and J. A. Crowley, Jr. 2,531,365, Nov. 21.
System for controlling automatic signaling for telephone lines. H. W. Balzer. 2,529,364, Nov. 7.
System for controlling coin receptacles of pay station telephones. H. N. Newstedt. 2,529,410, Nov. 7.
System for controlling refrigeration. H. J. Matteson. 2,504,435, Apr. 18.
System for controlling the charging of storage batteries. G. A. V. J. Génin and W. Albrand. 2,514,235, July 4.
System for controlling the operation of refrigeration units. F. M. Jones. 2,509,099, May 23.
System for converting a variable direct-current potential to an alternating current of controlled phase and amplitude. S. Wald. 2,525,466, Oct. 10.
System for determining distance and direction by electromagnetic wave energy. E. M. Deloraine. 2,531,412, Nov. 28.
System for determining the listening habits of wave signal receiver users. H. A. Rahmel. 2,513,360, July 4.
System for dispensing measured quantities of liquefied gas. O. A. Hansen. 2,530,521, Nov. 21.
System for distilling decomposable liquids. B. Ormont. 2,505,571, Apr. 25.
System for drying paste-like material. H. A. Shabaker. 2,513,368, July 4.
System for ground speed determination. A. C. Omberg. 2,496,674, Feb. 7.
System for magnetically recording a modulated carrier in push-pull. S. J. Begun. 2,497,654, Feb. 14.
System for maintaining liquid level and gas pressure in receptacles. E. R. Williams. 2,500,304, Mar. 14.
System for matching conductor cables. G. J. G. Nicholson, Jr. 2,513,583, July 4.
System for measuring and eliminating impedance variations. G. H. Baker and E. E. Crump. 2,500,625, Mar. 14.
System for measuring limited current changes. K. G. MacLeish. 2,510,930, June 6.
System for microwave generators, Frequency modulation. R. L. Sproull. 2,510,026, May 30.
System for obtaining and maintaining operating temperatures of internal-combustion engines. O. O. Oaks. 2,507,643, May 16.
System for obtaining successive operation of the selecting magnets in crossbar switches. K. H. Thunell and S. D. Vigren. 2,499,542, Mar. 7.
System for providing reheat in bus air conditioning. J. Swinburne. 2,515,842. July 18.
System for railroads, Crossover protection. S. W. Freeman. 2,494,435, Jan. 10.
System for separation of oxygen from air. P. E. Haynes. 2,514,391, July 11.
System for supplying heated air for use on aircraft. E. P. Palmatier. 2,499,832, Mar. 7.
System for synchronizing the supplying of demodulation carrier currents. K. L. King. 2,530,825, Nov. 21.
System for testing hearing. B. M. Harrison. 2,533,667, Dec. 12.
System for the protection of transmission lines using alternating currents. L. M. Van Daele and J. J. Ballet. 2,495,791, Jan. 31.
System for transmitting positional data. J. I. Herzlinger. 2,528,142, Oct. 31.
System for transmitting signal modulated pulses. J. Larsen and R. B. Blizard. 2,523,703, Sept. 26.
System of and machine for fabricating basket webs. J. O. Farmer, R. C. Carroll, and C. Tillery. 2,522,571, Sept 19.
System of furnishing air conditioning, communication, and entertainment to parked vehicles. T. D. Sharp. 2,529,425, Nov. 7.
System of hinged members. C. E. D. Varela. 2,505,509, Apr. 25.
System of polarizing relays. A. J. McConnell. 2,531,146, Nov. 21.
System of radio aids for aerial navigation. R. G. Lloyd. 2,525,815, Oct. 17.
System of regulation. H. G. Mah. 2,503,880, Apr. 11.
System of setting paper positioning parts on a printing machine. H. F. Bray. 2,516,613, July 25.
System of speed control for electric motors. W. Jaggi and L. Blunschi. 2,517,881, Aug. 8.
System of transcribing for the blind. E. R. Diago. 2,503,941, Apr. 11.
System responsive to failure of receivers. H. T. Winchel. 2,508,983, May 23.
Tab, Index. C. F. Wolters. 2,513,127, June 27.
Tab, Phonograph record identification. E. L. Brownsey. 2,535,262, Dec. 26.
Tab pulling machine. H. H. Hyde. 2,525,904, Oct. 17.
Tab strip feed and applying device. A. J. Stanley. 2,505,802, May 2.
Table: *See*—
Adjustable center reflex table.
Adjustable folding table.
Adjustable height ironing table.
Adjustable rotary table.
Baker's dump table.
Battery-charging table.
Body manipulating table.
Chair arm table.
Chiropractic portable table.
Coin controlled game table.
Collapsible table.
Convertible table.
Drafting table.
Drop-leaf extension table.
Folding leg table.
Folding table.
Glass cutting table.
Hog and cattle skinner table.
Ironing table.
Knockdown metal table.
Knockdown table.
Livestock operating table.
Miniature golf game table.
Paper hanger's folding table.
Physical therapeutic table.
Picnic and utility table.
Picnic table.
Plate and dish warming dining table.
Portable pedestal table.
Portable resuscitating table.
Printer's line-up table.
Sectional top knockdown table.
Service table.
Tiltable packing table.
Tracing table.
Vertically adjustable table.
Vertically and tiltably movable X-ray table.
Vibrating table.
Table adjustable and portable, Serving. A. Kruse. 2,498,428, Feb. 21.
Table adjustable vertically and tiltably, Bed. J. M. Allan. 2,531,762, Nov. 28.
Table and actuator means, Folding leg. B. E. Hood. 2,514,061, July 4.
Table and bench, Combined. G. Rosenbaum. 2,494,900, Jan. 17.
Table and bench, Folding. R. A. Barcus. 2,506,852, May 9.
Table and bench, Folding. R. R. Erickson. 2,514,319, July 4.
Table and bench structure and teeter-totter, Combination. P. Schladermundt. 2,510,199, June 6.
Table and case, Combination. J. P. Kauffman. 2,515,876, July 18.
Table and chair. B. J. Greenbaum. 2,529,687, Nov. 14.
Table and desk, Combination. G. W. Byars. 2,509,806, May 30.
Table and holding device, Blood testing. W. Miller. 2,507,922, May 16.
Table and relatively foldable seating therefor. B. Green. 2,521,160, Sept. 5.
Table and runway apparatus, Pocketed game. B. C. H. Park and J. L. Baldwin. 2,535,595, Dec. 26.
Table and seat assembly, Foldable. A. A. Schmidt. 2,522,642, Sept. 19.
Table and seat, Combination. J. Infranca and J. Cucchiara. 2,516,773, July 25.
Table and the like, Calculating. J. H. Starr. 2,523,453, Sept. 26.
Table and tray, Combination coffee. P. F. Loewen. 2,502,526, Apr. 4.
Table attached infant's chair. F. E. Ducey. 2,493,187, Jan. 3.
Table construction. A. J. Kizaur. 2,526,879, Oct. 24.
Table for attachment to vehicle doors, Folding. A. S. Sparks. 2,533,147, Dec. 5.
Table for bed and cylinder printing presses, Support. I. Kantor. 2,505,495, Apr. 25.
Table for center insertion, Extension. E. C. Booth. 2,496,195, Jan. 31.

Table for furniture, Adjustable reading and writing. L. L. Anthes. 2,533,416, Dec. 12.
Table for infant's bath stand, Dressing. C. T. De Puy. 2,532,837, Dec. 5.
Table for network calculators, Recording. L. B. Le Vesconte. 2,504,851, Apr. 18.
Table for textiles, Inspection and cleaning. D. O. Wylie. 2,530,038, Nov. 14.
Table for transfer of metallic stock, Approach. E. T. Peterson. 2,498,448, Feb. 21.
Table for transfer of metallic stock, Double approach. E. T. Peterson. 2,498,449, Feb. 21.
Table leg attaching means. J. Flicker. 2,533,313, Dec. 12.
Table leg structure, Folding. A. Taylor. 2,500,389, Mar. 14.
Table legs with actuator mechanism, Folding. N. M. Hiser. 2,518,783, Aug. 15.
Table structure, Folding. M. Hollander. 2,500,035, Mar. 7.
Table top, Adjustable. D. Greene. 2,500,542, Mar. 14.
Table top and supporting frame. L. M. Greenway. 2,532,902, Dec. 5.
Table top, Auxiliary. E. A. Sherman. 2,529,051, Nov. 7.
Table top for a drafting table or the like, Metal. A. S. Murray. 2,535,593, Dec. 26.
Table top for power-driven tools, Adjustable supplemental. H. F. Christie. 2,523,680, Sept. 26.
Table top, Perforate ironing. R. W. Nelson and H. L. McAtee. 2,498,176, Feb. 21.
Table, trolley, or the like. L. G. Hawkins. 2,520,543, Aug. 29.
Table type radio cabinet. H. Rieth. 2,498,898, Feb. 28.
Table with actuator mechanism, Folding leg. H. A. Mitchell. 2,533,173, Dec. 5.
Table with adjustable section top, Therapeutic. K. G. Palmer. 2,516,482, July 25.
Table with center elevating leaf, Extension. E. C. Booth. 2,508,352, May 23.
Table with control mechanism therefor, Combination press and index. C. E. Adams. 2,512,731, June 27.
Table with flexible top, Folding. J. F. Hart. 2,535,921, Dec. 26.
Table with foldable and detachable legs. M. A. and P. Goldblatt. 2,503,199, Apr. 4.
Table with foldable legs, Ironing. J. B. O'Connor. 2,493,018, Jan. 3.
Table with folding seats, Children's. F. J. Bennett. 2,502,502, Apr. 4.
Table with hydraulic adjusting system, Surgical. J. S. Clachko. 2,520,455, Aug. 29.
Table with lock means, Folding card. C. Flagstad. 2,521,707, Sept. 12.
Table with mechanism whereby its top may be increased or decreased. V. M. Theis. 2,522,202, Sept. 12.
Table with vertically adjustable circular saw, Saw. R. B. Dergance. 2,512,419, June 20.
Table with vertically adjustable mechanism, Convertible. P. F. Galleret. 2,532,766, Dec. 5.
Tablet dispenser. R. Bedaux. 2,526,615, Oct. 24.
Tablet jellies, Manufacture of. G. L. Baker and M. Olliver. 2,524,416, Oct. 3.
Tabulation paper runout warning switch. J. T. Jones, Sr. 2,512,158, June 20.
Tabulator and summary punch, and especially the controls therefor, Combined. F. A. Lopez. 2,512,865, June 27.
Tabulator for typewriters. G. Prezioso. 2,506,104, May 2.
Tabulator for typewriters or the like. K.-A. Gustavsson, E. Munch and O. H. I. Tängeberg. 2,517,306, Aug. 1.
Tabulator with program controls, Alphabet printing. F. M. Carroll and A. F. Smith. 2,493,858, Jan. 10.
Tachometer. H. A. Straus. 2,531,833, Nov. 28.
Tachometer, Electrical. F. K. Floyd. 2,502,712, Apr. 4.
Tachometer switch. P. W. Pugh. 2,498,927, Feb. 28.
Tachometer, Precision aircraft. A. P. Dinsmore. 2,516,189, July 25.
Tachometer, Recording. L. C. Parker, E. B. Hackett, and P. G. Pecoraro. 2,513,668, July 4.
Tackle box. R. E. Glahn. 2,517,867, Aug. 8.
Tackle box. R. Janz. 2,503,490, Apr. 11.
Tackle box. B. I. Nowaczek. 2,517,914, Aug. 8.
Tackle, Multiple hook fishing. S. Lando. 2,523,833, Sept. 26.
Tag applying method and machine. H. W. Eastman. 2,503,809, Apr. 11.
Tag, Coin carrying identification. T. R. Schlitz. 2,511,651, June 13.
Tag, Detachable marking. N. I. Fleischer. 2,514,127, July 4.
Tag fastener. F. Magidson. 2,521,927, Sept. 12.
Tag forming and printing mechanism. T. A. Carothers, and C. H. Burkhard. 2,526,004, Oct. 17.
Tagline device. R. W. Westfall. 2,532,828, Dec. 5.
Tagging and listing machine. T. A. Carothers, C. B. Des Jardins, and E. J. Utz. 2,528,740, Nov. 7.
Tail gate actuating mechanism. W. A. Wolf. 2,530,346, Nov. 14.
Tail gate latch. E. A. Schonrock. 2,514,726, July 11.
Tail or bridle for rockets. C. D., A. J., and C. Schermuly. 2,521,655, Sept. 5.
Tail set. R. T. Lavery, Sr. 2,508,117, May 16.
Tailstock for lathes. A. Gruen and J. D. Kirwan. 2,507,155, May 9.
Tail wheel actuated arresting hook. E. J. Schweitzer and C. Jordan. 2,505,652, Apr. 25.
Tail wheel mounting. B. D. Maule. 2,498,112, Feb. 21.
Take-off for air conveyers, Bottom. H. A. Browne and H. D. Hillman. 2,517,837, Aug. 8.
Take-off for vehicles, Power. C. L. Fox. 2,496,787, Feb. 7.
Take-off mechanism. H. W. Protzeller. 2,530,589, Nov. 21.
Take-off, Power. L. R. Hussa. 2,496,538, Feb. 7.
Take-up and folding mechanism. C. F. Miller. 2,497,786, Feb. 14.
Take-up for sewing machines, Rotary. G. A. Holland. 2,516,875, Aug. 1.
Take-up for sewing machines, Rotary. R. E. Johnson. 2,509,600, May 30.
Take-up means for friction clutches, Wear. D. Kelleher. 2,501,057, Mar. 21.
Take-up mechanism. J. Rinne, E. H. Ashton, R. G. Mallard, and F. G. Lake. 2,518,185, Aug. 8.
Take-up mechanism for looms. C. F. Libby. 2,501,777, Mar. 28.
Take-up of electric cords. E. Applegate. Re. 23,280, Oct. 10.
Taking off power from the drive transmission of motor vehicles, Means for. J. C. Haefeli. Re. 23,213, Mar. 28.
Talking machine with record changer. L. Thévenaz. 2,512,121, June 20.
Tall oil esters. S. O. Greenlee. 2,493,486, Jan. 3.
Tall oil esters and making them. J. B. Rust. 2,503,772, Apr. 11.
Tall oil treatment. R. Rosher. 2,509,884, May 30.
Tally device, Gin rummy. H. L. Feldblet. 2,508,239, May 16.
Tamale forming machine. G. Van Voorst. 2,532,131, Nov. 28.
Tamper and equalizer, Railroad ballast. W. H. Mertz. 2,497,682, Feb. 14.
Tamping device for semiplastic pumps. K. S. Clapp. 2,507,888, May 16.
Tamping machine. J. Stuart, II. 2,515,323, July 18.
Tamping waste in filter cartridges, Method of and apparatus for. H. Dahl. 2,521,833, Sept. 12.
Tampon. H. Laun. 2,519,912, Aug. 22.
Tampon. M. E. Rabell. 2,499,414, Mar. 7.
Tampon for control of intractable nasal hemorrhages. J. H. Trinder. 2,493,326, Jan. 3.
Tampon, Unequal length fold. F. P. Parish. 2,529,183, Nov. 7.
Tampons, Making. P. Kramer. 2,512,833, June 27.
Tandem axle vehicle. E. J. Ziegler. 2,508,634, May 23.
Tandem rotary expanding mill. H. E. Gross. 2,528,651, Nov. 7.
Tandem variable resistor control. W. H. Budd, M. B. Arisman, and R. R. Thompson. 2,493,184, Jan. 3.
Tangent bender and expansible die combination. C. J. Bath. 2,515,326, July 18.
Tank: *See*—

Adjustable daylight film developing tank.
Collapsible fuel tank.
Compost tank.
Cooling tank.
Droppable wing-tip tank.
Dust receiving tank.
Elevated tank.
Emergency gasoline tank.
Flow-energy mixing tank.
Fluid storage tank.
Flushing tank.
Fruit mixing tank.
Fuel tank.
Gasoline fuel reserve tank.
Heatable water tank.
Lifter roof storage tank.
Photographic film developing tank.
Plastic dip tank.
Portable collapsible water tank.
Rotary developing tank.
Self-regulating stock tank.
Side delivery truck tank.
Underground storage tank.

Tank and bowl combination, flush. H. F. Smith. 2,520,575, Aug. 29.
Tank and discharge fitting therefor, Double-walled. E. A. Swenson. 2,520,346, Aug. 29.
Tank and the like, Acid storage. P. J. Weber, Jr. 2,534,188, Dec. 12.
Tank arranged for suppression of reflected compressional waves, Testing. W. P. Mason. 2,503,400, Apr. 11.
Tank attachment, Electric hot-water. D. C. O'Brien. 2,497,184, Feb. 14.
Tank bottom for beds of granular material, Liquid-permeable. L. E. Lances. 2,528,062, Oct. 31.
Tank bottom for beds of granular material, Liquid-permeable. H. E. Lundberg. 2,528,065, Oct. 31.
Tank carrier and positioning device. S. Greening. 2,517,304, Aug. 1.
Tank cleaner. R. C. Osborn. 2,507,042, May 9.
Tank closure, Safety. J. H. De Frees. 2,529,329, Nov. 7.
Tank construction. C. B. Fulton. 2,513,636, July 4.
Tank construction, Electrolytic. W. L. Brytczuk. 2,535,780, Dec. 26.
Tank construction, Fuel. R. E. Froom. 2,500,535, Mar. 14.
Tank filling means. J. E. Browning. 2,504,638, Apr. 18.
Tank fitting and making the same. F. W. Person, Jr. 2,509,782, May 30.
Tank for aircraft, Detachable auxiliary fuel. H. F. Vincent. 2,507,069, May 9.
Tank for airplanes and similar applications. G. Chausson. 2,533,431, Dec. 12.
Tank for aqueous electrolysis. J. André. 2,511,686, June 13.
Tank for coating articles, Dipping. F. L. Gerin. 2,501,672, Mar. 28.

Tank for concrete mixer, with mixing-water and flushing-water compartments and a discharge valve for each compartment, Water. H. C. Von Saspe. 2,526,520, Oct. 17.
Tank for motor boats, Auxiliary fuel. E. S. Anderson. 2,534,394, Dec. 19.
Tank for motor vehicles, Saddle. B. Hamlin. 2,530,819, Nov. 21.
Tank for steam irons. W. E. Ellinwood and H. V. Ekstedt. 2,527,409, Oct. 24.
Tank for tractor-implement combination, Auxiliary fuel. R. G. Le Tourneau. 2,535,301, Dec. 26.
Tank fuel system, Continuous flow multiple. D. Samiran. 2,535,094, Dec. 26.
Tank gauge. W. R. Battles, and F. R. Wade. 2,526,192, Oct. 17.
Tank gauge. C. Fanshier. 2,522,258, Sept. 12.
Tank gauge. L. W. Schuessler. 2,510,663, June 6.
Tank gauge. S. Shakin. 2,497,694, Feb. 14.
Tank hanger. C. J. Fuller. 2,505,955, May 2.
Tank heater. B. B. Bosworth. 2,527,115, Oct. 24.
Tank heater. E. M. Martin. 2,509,690, May 30.
Tank heater. N. J. Stookey. 2,520,576, Aug. 29.
Tank installation, Aircraft wing tip fuel. D. L. McFarland. 2,514,888, July 11.
Tank level control. P. W. Robinson. 2,503,770, Apr. 11.
Tank lining material. A. J. Jennings and V. E. Luzena. 2,508,262, May 16.
Tank or cell, Bladder type. H. Noyes. 2,519,393, Aug. 22.
Tank, preferably with electric heating, for a plurality of tapping places, without floating valve cistern, Overflow hot-water. P. O. G. Araldsen. 2,515,974, July 18.
Tank reinforcement, Radiator. F. M. Young. 2,525,087, Oct. 10.
Tank transmission. J. M. Simpson. 2,519,080, Aug. 15.
Tank truck support. J. H. De Frees. 2,497,115, Feb. 14.
Tank turret control. H. T. Marcy. 2,520,420, Aug. 29.
Tank type suction cleaner. R. C. Osborn and C. F. Foley. 2,503,918, Apr. 11.
Tank type vacuum cleaner. A. E. Smith. 2,532,264, Nov. 28.
Tank with breather opening in fill pipe. F. P. Scully. 2,493,699, Jan. 3.
Tank with rotatable film carrier, Film developing. R. I. Salzman. 2,530,734, Nov. 21.
Tank with temperature control for continuous films, Dark. F. C. Arthur. 2,495,049, Jan. 17.
Tannin and soft-grit blasting material from nutshells, Production of. E. C. Lathrop. 2,510,119, June 6.
Tanning in a nonaqueous medium. R. C. Putnam. 2,523,325, Sept. 26.
Tanning with esters of chloroformic acid in a nonaqueous medium. R. C. Putnam. 2,523,324, Sept. 26.
Tanning with organic isocyanates in a nonaqueous medium. R. C. Putnam. 2,523,326, Sept. 26.
Tantalum, columbium, and compounds thereof, Producing. D. Gardner. 2,516,863.
Tap and valve, Combined. A. H. Pichler. 2,515,260, July 18.
Tap for making screw threads. L. W. Kaszolka. 2,518,898, Aug. 15.
Tap grinding machine. H. P. Boggis. 2,526,844, Oct. 24.
Tap reconditioner. S. B. Hellstrom. 2,527,882, Oct. 31.
Tappet, Mechanical silent. C. L. Stancliff. 2,493,783, Jan. 10.
Tappet, Mechanical silent. C. L. Stancliff. 2,532,346, Dec. 5.
Tapping apparatus. A. J. Schaid. 2,530,268, Nov. 14.
Tapping box. M. Pégard. 2,509,696, May 30.
Tapping machine. F. Gartner. 2,509,056, May 23.
Tapping machine. A. S. Ginsburg. 2,533,451, Dec. 12.
Tapping machine. M. Graves. 2,500,540, Mar. 14.
Tape, Adhesive. C. M. Keaton. 2,495,008, Jan. 17.
Tape and carpet joined therewith. A. T. Dildilian. 2,523,865, Sept. 26.
Tape and mastic applicator, Combined. R. G. Ames. 2,502,499, Apr. 4.
Tape and pencil, Combination measuring. J. G. Harmon. 2,493,345, Jan. 3.
Tape applier and dispenser. S. E. Sorenson. 2,527,588, Oct. 31.
Tape applier, Gummed. W. C. Renne. 2,518,184, Aug. 8.
Tape condenser. J. T. Drennen. 2,513,405, July 4.
Tape construction. N. H. Shillman. 2,497,471, Feb. 14.
Tape container. W. M. Scholl. 2,515,669, July 18.
Tape control device. W. J. Hanson. 2,533,317, Dec. 12.
Tape, Curtain heading. G. F. and R. French and B. J. Brown. 2,518,301, Aug. 8.
Tape cylinder mounting. C. M. Gentry and F. G. Parrott. 2,496,464, Feb. 7.
Tape dispenser. J. D. Johnson. 2,528,958, Nov. 7.
Tape dispenser. H. P. Sammann. 2,495,389, Jan. 24.
Tape-dispensing machine. A. P. Krueger and O. P. Erhardt. 2,522,047, Sept. 12.
Tape-dispensing mechanism. J. W. Aldrich. 2,525,755, Oct. 17.
Tape-dispensing mechanism. A. P. Krueger. 2,507,446, May 9.
Tape, Elastic. R. Weinberg. 2,518,407, Aug. 8.
Tape holder. J. E. Wynn. 2,525,992, Oct. 17.
Tape or strip for beverage bottles, Measuring. W. C. Smith. 2,507,684, May 16.
Tape, Pressure sensitive adhesive. J. B. Martin. 2,498,338, Feb. 21.
Tape printing and projecting device. H. H. Stockfeld. 2,519,004, Aug. 15.
Tape serving and applying device. T. H. Krueger. 2,501,341, Mar. 21.
Tape-serving device. A. P. Krueger and O. P. Erhardt, 2,522,282, Sept. 12.
Tape-serving mechanism. A. P. Krueger. 2,507,445, May 9.
Tape, Venetian blind. R. Vogel. 2,534,642, Dec. 19.
Tape with adhesive and nonadhesive areas. K. J. Ptasnik. 2,515,423, July 18.
Tape with stop, Measuring. C. E. Johanningmeier. 2,503,440, Apr. 11.
Tape with tearing facilities, Adhesive. C. H. Brown. 2,508,855, May 23.
Taping machine. F. J. Haas. 2,495,003, Jan. 17.
Taping machine. E. L. Hoffmann and J. W. Utecht. 2,516,212, July 25.
Taping machine, Shank. R. C. Sadler. 2,518,189, Aug. 8.
Taping means for carton folders. R. R. Hundley. 2,513,647, July 4.
Tapioca process. A. G. Olsen. 2,508,533, May 23.
Target and making the same, Electron. M. J. Zunick. 2,521,663, Sept. 5.
Target-angle trainer. G. E. Watson. 2,523,345, Sept. 28.
Target apparatus, Dropping. D. Lenzi. 2,508,955, May 23.
Target carrying and target turning device. J. L. Murphy, Jr. 2,504,273, Apr. 18.
Target, Casting. P. Colaluca. 2,511,430, June 13.
Target, Cyclotron. A. F. Reid. 2,504,585, Apr. 18.
Target elimination, Ground. R. F. Mozley. 2,495,753, Jan. 31.
Target, Folding peg. R. L. Neilson. 2,504,570, Apr. 18.
Target for pickup tubes. H. B. Law. 2,493,539, Jan. 3.
Target for pin ball game apparatus, Rotatable. J. Firestone. 2,523,257, Sept. 19.
Target for simulated projectors, Indicating. F. M. New. 2,527,326, Oct. 24.
Target indicating system, Moving. G. D. Forbes. 2,532,546, Dec. 5.
Target making machine, Archery. B. Pearson. 2,523,632, Sept. 26.
Target, Pivoted token releasing. J. Kellinger and J. A. Conaty. 2,516,997, Aug. 1.
Target, Progressive. R. E. Reardon. 2,500,960, Mar. 21.
Target, Projectile return. J. D. Lucero. 2,504,030, Apr. 11.
Target, Renewable dart. E. Traub. 2,506,475, May 2.
Target, Reversible. A. W. Smith. 2,494,210, Jan. 10.
Target simulating apparatus for ordnance training, Maneuverable. E. Odin. 2,501,350, Mar. 21.
Target simulator for ground trainers, Diving and climbing. Z. Takats. 2,510,529, June 6.
Target-throwing machine. G. H. Darrell. 2,531,613, Nov. 28.
Target with hit indicator. H. Derbyshire. 2,525,211, Oct. 10.
Target with indicator, Dart. T. C. Metzger. 2,523,773, Sept. 26.
Tarnish prevention, Silver. L. D. and J. W. Robertson. 2,503,843, Apr. 11.
Tea cutting and feeding mechanism. L. F. Blackwell. 2,533,550, Dec. 12.
Teakettle. J. H. Reichart. 2,501,142, Mar. 21.
Teakettle and cover assembly, Electric. G. H. Brown. 2,519,431, Aug. 22.
Teakettle, Cordless electric. G. H. Brown. 2,519,433, Aug. 22.
Teaching apparatus, Visual arithmetic. R. A. Glaze. 2,514,636, July 11.
Teaching device. J. O. Edwards. 2,505,608, Apr. 25.
Teaching device, Time. B. H. Hathaway. 2,493,138, Jan. 3.
Teaching manual skills. C. H. Robertson. 2,494,000, Jan. 10.
Tearing machine, Fabric. H. W. Beall. 2,523,183, Sept. 19.
Teat cup claw. W. H. Harstick. 2,524,193, Oct. 3.
Teats, feeding appliances, comforters, or the like, Babies'. F. A. Middleton. 2,503,505, Apr. 11.
Teeing device, Golf ball. J. Mozel. 2,520,952, Sept. 5.
Teeter, Child's gliding. A. F. Hugueny. 2,517,207, Aug. 1.
Teeter-totter and merry-go-round. E. E. Franz. 2,533,005, Dec. 5.
Teeth, Anterior bridge plastic. V. V. Ushanoff. 2,514,592, July 11.
Teeth from synthetic resins by injection molding, Making. E. B. Kelly. 2,514,076, July 4.
Teeth setting machine. B. N. and J. B. Engle. 2,530,690, Nov. 21.
Teething ring. E. Cohen. 2,514,844, July 11.
Telautograph control system. G. R. Clark. 2,498,649, Feb. 28.
Telautograph system. K. W. Miller. 2,527,835, Oct. 31.
Telecommunication system. G. Deakin. 2,502,439, Apr. 4.
Telecontrol system. P. F. M. Gloess. 2,509,226, May 30.
Telefacsimile communication. A. G. Cooley. 2,513,402, July 4.
Telegraph apparatus. W. C. Spencer and W. A. Manty. 2,498,588, Feb. 21.

Telegraph apparatus, Printing. H. Angel. 2,529,238, Nov. 7.
Telegraph apparatus, Printing. C. J. Fitch. 2,517,995, Aug. 8.
Telegraph apparatus, Printing. A. E. Thompson. 2,502,491, Apr. 4.
Telegraph apparatus, Printing. W. J. Zenner. 2,505,729, Apr. 25.
Telegraph hub repeater. J. R. Davey. 2,528,120, Oct. 31.
Telegraph receiver. E. M. S. McWhirter, R. H. Dunn and P. W. Lennox. 2,498,695, Feb. 28.
Telegraph receiver, Printing. R. D. Salmon. 2,524,854, Oct. 10.
Telegraph repeater. J. A. Krecek. 2,518,027, Aug. 8.
Telegraph signal distortion indicating device. G. L. Erickson. 2,516,860, Aug. 1.
Telegraph system. H. Chireix. 2,512,768, June 27.
Telegraph system, Alternating current. L. C. Roberts. 2,495,773, Jan. 31.
Telegraph system, Carrier. A. Wilson. 2,523,748, Sept. 26.
Telegraph system, Duplex. P. Y. M. Le Calvez. 2,509,829, May 30.
Telegraph system, Frequency diversity. J. E. Boughtwood and A. E. Michon. 2,497,859, Feb. 21.
Telegraph system, Multiple frequency. L. Devaux. 2,495,705, Jan. 31.
Telegraph system, Multiplex. W. H. Bliss. 2,513,910, July 4.
Telegraph system, Signal storing and code converting radio. H. C. A. van Duuren. 2,518,405, Aug. 8.
Telegraph system, Synchronous. A. E. Canfora and L. A. Thomas. 2,534,337, Dec. 19.
Telegraph system, Two-way polar. S. A. Barrett. 2,496,372, Feb. 7.
Telegraphic apparatus of the starting-stopping type. J. Estoup. 2,494,232, Jan. 10.
Telegraphic selecting apparatus. G. Sim. 2,505,153, Apr. 25.
Telegraphone. T. M. Shrader. 2,526,051, Oct. 17.
Telegraphy, Carrier. R. B. Shanck. 2,503,000, Apr. 4.
Telemeter, Pressure. W. S. Tandler and D. S. Walker. 2,511,752, June 13.
Telemeter system with variable-rate valve shutoff unit, Hydraulic. C. A. Hubert. 2,524,055, Oct. 3.
Telemetering apparatus, Stroboscopic. J. C. Ferguson and A. S. Harris. 2,510,093, June 6.
Telemetering device, Electric. C. A. de Giers. 2,505,350, Apr. 25.
Telemetering device for testing surfaces. A. F. Eckel. 2,509,185, May 23.
Telemetering of compass indication. L. E. Hayslett. 2,502,786, Apr. 4.
Telemetering system. P. F. M. Gloess. 2,525,893, Oct. 17.
Telemetering system. W. J. Poch. 2,535,547, Dec. 26.
Telemetering system for radio links. F. C. Wallace and M. Rogoff. 2,524,861, Oct. 10.
Telemetering system, Meteorological. M. Kline. 2,500,186, Mar. 14.
Telemetering system, Pulse-time. M. C. Poylo. 2,524,832, Oct. 10.
Telemetering system, Rebalancing. C. E. Roessler, Jr. 2,516,092, July 18.
Telemetering system with identical band-pass filters, Multichannel. K. D. Swartzel and C. L. Frederick. 2,494,370, Jan. 10.
Telemetric apparatus. G. M. Thynell. 2,493,508, Jan. 3.
Telemetric system. A. J. Hornfeck. 2,524,665, Oct. 3.
Telemetric system. R. F. Pearson. 2,496,105, Jan. 31.
Telemetric system, Bolometer type. S. Bousky. 2,496,575, Feb. 7.
Telemetry system. C. A. E. Beurtheret. 2,494,327, Jan. 10.
Telephone accessory. M. E. Butler. 2,503,095, Apr. 4.
Telephone and paging system, Combined. F. R. Lamberty and F. D. Nitterauer. 2,496,629, Feb. 7.
Telephone and telegraph system, Combined. L. M. Potts. 2,522,462, Sept. 12.
Telephone answering apparatus. W. C. Edwards. 2,533,234, Dec. 12.
Telephone attachment for holding receiver switch. R. L. Kirby and E. E. McCombs. 2,518,554, Aug. 15.
Telephone call-box system. E. F. Bates. 2,516,845, Aug. 1.
Telephone call intercepting system. R. W. Jones. 2,508,644, May 23.
Telephone coin collector with pile-up leveling means. O. A. Shann. 2,502,999, Apr. 4.
Telephone connecting block. C. E. Erickson. 2,517,992, Aug. 8.
Telephone dial and ringing circuit, Illuminated. C. A. Bostany. 2,522,701, Sept. 19.
Telephone dial operating device. M. L. Wormington. 2,510,920, June 6.
Telephone ejector, Automatic. F. G. Holmes. 2,495,006, Jan. 17.
Telephone, Hand. J. F. Dalton. 2,504,307, Apr. 18.
Telephone hand piece shoulder support. J. Maldonado. 2,525,699, Oct. 10.
Telephone handset, Folding. S. G. Sears. 2,508,654, May 23.
Telephone holder. S. J. Citso. 2,521,043, Sept. 5.
Telephone lookout relay control circuit. K. R. Sterrett, and D. S. Baker. 2,525,840, Oct. 17.
Telephone pencil holder. S. Le Vine. 2,500,838, Mar. 14.
Telephone-phonograph system. H. R. Van Deventer. 2,501,486, Mar. 21.
Telephone pickup, Combination acoustic and electrical. L. S. Scher. 2,505,210, Apr. 25.
Telephone receiver. C. A. Maynard. 2,515,414, July 18.
Telephone receiver, Ring armature. E. E. Mott. 2,506,609, May 9.
Telephone ringing apparatus with vibratory reed of magnetic material. J. M. Blackhall and F. J. Hickman. 2,524,510, Oct. 3.
Telephone selector, All relay. R. W. Jones. 2,512,942, June 27.
Telephone set. O. A. Shann. 2,503,846, Apr. 11.
Telephone set, Voice-controlled two-way. J. N. Walter. 2,496,186, Jan. 31.
Telephone set with means for adjusting its antisidetone circuit. J. F. Houdek, Jr. 2,524,350, Oct. 3.
Telephone station set with separate acoustic passages to the receiver and transmitter, Loud-speaking. C. F. Ffolliott. 2,506,715, May 9.
Telephone subscriber set with a speech current transformer and a polarized alternating current alarm. J. Patry and R. Strub. 2,502,273, Mar. 28.
Telephone substation apparatus. S. T. Curran and W. J. Thayer. 2,511,622, June 13.
Telephone substation coupler for conversation recording. R. R. Galbreath. 2,531,203, Nov. 21.
Telephone support. M. W. De Hart and W. I. White. 2,519,746, Aug. 22.
Telephone support. A. G. Harris. 2,521,162, Sept. 5.
Telephone supporting base stand index cabinet. W. T. Hill. 2,522,361, Sept. 12.
Telephone switching system, Operator register-sender controlled. H. W. Balzer. 2,511,145, June 13.
Telephone system. H. Bussierès. 2,498,153, Feb. 21.
Telephone system. G. Deakin. 2,524,774, Oct. 10.
Telephone system. E. L. Erwin. 2,531,615, Nov. 28.
Telephone system. H. H. Hagens. 2,496,159, Jan. 31.
Telephone system. I. Molnar. 2,516,788, July 25.
Telephone system. J. E. Ostline. 2,535,511–12, Dec. 26.
Telephone system. O. A. Pearce and G. T. Baker. 2,513,964, July 4.
Telephone system. J. Wicks and O. D. Grandstaff. 2,517,516–17, Aug. 1.
Telephone system. S. B. Williams. 2,528,101, Oct. 31.
Telephone system, Automatic. J. M. Blackhall. 2,509,416, May 30.
Telephone system, Automatic. J. E. Ostline. 2,519,849, Aug. 22.
Telephone system employing connecting switches having automatic impulsing means local to the connecting switches and controlled by the calling lines. G. T. Baker. 2,508,636, May 23.
Telephone system employing finder switches for connecting calling lines to numerical switches. G. T. Baker. 2,530,802, Nov. 21.
Telephone system having butt-in and alarm features, All-relay automatic and manual. W. T. Powell. 2,516,645, July 25.
Telephone system having preset transmitter. L. J. Bowne. 2,534,850, Dec. 19.
Telephone system having transfer and night service, Automatic private branch exchange. R. F. Stehlik. 2,501,546, Mar. 21.
Telephone system including a line finder allotter. C. E. Lomax. 2,513,426, July 4.
Telephone system incorporating mixed service connectors, Automatic. I. Molnar. 2,524,131, Oct. 3.
Telephone system, Intercommunicating. G. H. Duhnkrack. 2,530,943, Nov. 21.
Telephone system, Intercommunicating. A. W. Vincent. 2,493,174, Jan. 3.
Telephone system, Multiexchange. K. E. Lundkvist. 2,493,256, Jan. 3.
Telephone system of the passing call type, Private automatic. J. H. Voss. 2,496,902, Feb. 7.
Telephone system, Power line carrier. M. L. Almquist. 2,510,271, June 6.
Telephone system, Power line carrier. H. R. Moore. 2,507,116, May 9.
Telephone system, Power line carrier frequency. J. M. Barstow and A. G. Lang. 2,510,273, June 6.
Telephone system, Power line carrier frequency. J. M. Barstow and A. G. Lang. 2,511,615–16, June 13.
Telephone system, Power line carrier frequency. J. M. Barstow. 2,511,617, June 13.
Telephone system, Power line carrier frequency. R. C. Edson and L. Hochgraf. 2,516,763, July 22.
Telephone system providing for music transmission at carrier frequencies, Multichannel carrier. J. C. Stewart. 2,522,846, Sept. 19.
Telephone system, Pulse intercommunication. S. Van Mierlo. 2,520,185, Aug. 29.
Telephone system, Recording. J. O. Shepherd. 2,522,000, Sept. 12.
Telephone system, Relay automatic. J. H. Voss. 2,530,104, Nov. 14.
Telephone system, Relay automatic. J. H. Voss and R. W. Jones. 2,530,845, Nov. 21.

Telephone system, Relay automatic. J. H. Voss and R. W. Jones. 2,535,764, Dec. 26.
Telephone system, Repeater switching. C. E. Lomax. 2,520,644, Aug. 29.
Telephone system, Repeater switching. J. Wicks. 2,500,392, Mar. 14.
Telephone system, Restricted service. J. Wicks. 2,519,867, Aug. 22.
Telephone system, Restricted service automatic. J. Wicks. 2,518,210, Aug. 8.
Telephone system, String-of-exchanges. B. A. Wallace. 2,495,191, Jan. 17.
Telephone systems involving prepayment telephone lines, Automatic. F. R. Lamberty, A. S. Martins, and W. T. Wichman. 2,533,476, Dec. 12.
Telephone test set with line resistor. A. L. Wronke. 2,520,592, Aug. 29.
Telephone unit, Combination receiver-transmitter. A. N. Epstein. 2,493,954, Jan. 10.
Telephone unit, Pressure-compensated. L. L. Beranek. 2,505,519, Apr. 25.
Telephonic line identification, Audible. L. M. Potts. 2,499,776, Mar. 7.
Teleprinter exchange system. L. S. Munck. 2,498,700, Feb. 28.
Teleprinter exchange system. L. S. Munck. 2,527,567, Oct. 31.
Telescope, Dual power split-field antitank. J. L. Greenstein and L. G. Henyey. 2,527,719, Oct. 31.
Telescope gun sight mount, Hinged. G. D. Fisk. 2,529,801, 2,529,801, Nov. 14.
Telescope having a spherical mirror, Reflecting type. A. Bouwers, J. Becker, and A. H. van Gorcum. 2,504,383, Apr. 18.
Telescope objectives and systems including same, Apochromatic. F. E. Altman. 2,500,017, Mar. 7.
Telescope sight mount for firearms, Detachable. R. R. Hardgrove. 2,526,816, Oct. 24.
Telescope, Split-field dual-power. L. G. Henyey and J. L. Greenstein. 2,512,153, June 20.
Telescopic and adjustable building support. S. W. Alderfer. 2,504,291, Apr. 18.
Telescopic container. J. C. Waldo. 2,506,256, May 2.
Telescopic joint. E. A. Odin. 2,517,700, Aug. 8.
Telescopic protector. S. S. Roberts. 2,514,721, July 11.
Telescopic sight. T. L. Ford. 2,496,045, Jan. 31.
Telescopic sight lens cover. A. P. Rogers. 2,534,061, Dec. 12.
Telescopic sight mounting. F. C. Baker and E. G. Spencer. 2,517,274, Aug. 1.
Telescopic standard or arm. F. H. Maack. 2,535,803, Dec. 26.
Telescoping structure. G. O. Benson. 2,496,264, Feb. 7.
Telescoping vernier gauge. C. Hubeck. 2,523,469, Sept. 26.
Teletypewriter system, Intercommunicating. W. M. Bacon. 2,501,592, Mar. 21.
Television. F. Okolicsanyi. 2,532,511, Dec. 5.
Television and frequency modulation receiver, Combination. R. F. Foster. 2,528,222, Oct. 31.
Television and sound multiplex system. J. H. Homrighous. 2,521,008, Sept. 5.
Television apparatus, Color. A. N. Goldsmith. 2,516,314, July 25.
Television apparatus, Color. A. C. Schroeder. 2,535,552, Dec. 26.
Television camera circuits, Frequency-compensated. J. F. Wiggin. 2,535,711, Dec. 26.
Television, Color. E. W. Engstrom and G. C. Sziklai. 2,514,043, July 4.
Television, Color. P. C. Goldmark. 2,528,510, Nov. 7.
Television, Color. H. Kasperowicz. 2,508,267, May 16.
Television device for recording motion-pictures thereof. H. G. de France and R. Bocquel. 2,531,031, Nov. 21.
Television echo suppression system. F. J. Bingley and N. F. Smith, Jr. 2,498,391, Feb. 21.
Television, Electronic color. L. W. Parker. 2,498,705, Feb. 28.
Television horizontal deflection. K. R. Wendt. 2,512,400, June 20.
Television in natural color. G. C. Sziklai. 2,518,199, Aug. 8.
Television in natural color. K. R. Wendt. 2,531,544, Nov. 28.
Television intercarrier or sound receiver circuit. G. W. Fyler. 2,498,488, Feb. 21.
Television pickup tube. H. A. Iams. 2,520,244, Aug. 29.
Television receiver. H. E. Kallmann. 2,505,862, May 2.
Television receiver. D. B. Smith. 2,505,843, May 2.
Television receiver. P. K. Weimer. 2,512,123, June 20.
Television receiver antenna input circuit. G. F. Fyler. 2,530,329, Nov. 14.
Television receiver brightness and contrast control. H. R. Shaw. 2,505,367, Apr. 25.
Television receiver, Color. L. W. Parker. 2,524,828, Oct. 10.
Television receiver synchronizing. H. E. Beste. 2,511,146, June 13.
Television receiving device. G. Wikkenhauser. 2,510,846, June 6.
Television receiving system. J. D. Reid. 2,507,995, May 16.
Television receiving system, Color. R. C. Webb. 2,530,107, Nov. 14.
Television synchronizing signal generator. O. H. Schade. 2,525,102, Oct. 10.
Television synchronizing system. R. B. Dome. 2,521,504, Sept. 5.
Television system. A. N. Goldsmith. 2,509,038, May 23.
Television system. J. H. Homrighous. 2,521,009–10, Sept. 5.
Television system. J. H. Homrighous. 2,524,349, Oct. 3.
Television system. R. D. Kell. 2,508,920, May 23.
Television system. J. Phillips. 2,511,413, June 13.
Television system. G. C. Sziklai and A. C. Schroeder. 2,518,200, Aug. 8.
Television system, Color. G. L. Fredendall. 2,513,159, June 27.
Television system, Color. F. J. Somers. 2,505,589, Apr. 25.
Television system for simultaneously modulating and projecting a plurality of light lines. G. W. Walton. 2,509,545, May 30.
Television system, Multichannel. G. Wald. 2,517,265, Aug. 1.
Television system, Multiple. T. D. Winters. 2,523,173, Sept. 19.
Television system, Observer-controlled. R. C. Newhouse and F. W. Reynolds. 2,516,069, July 18.
Television system, Stereoscopic. J. H. Homrighous. 2,513,176, June 27.
Television transmitter switching apparatus. E. L. C. White and F. R. Trott. 2,535,471, Dec. 26.
Television transmitting tube. A. Rose. 2,506,741, May 9.
Television tuner. E. L. Hall. 2,534,768, Dec. 19.
Telomers of monoolefins and saturated halogenated carboxylic acids, esters, and anhydrides. W. E. Hanford and R. M. Joyce, Jr. 2,507,568, May 16.
Temperature and flow regulator. W. L. Vinson. 2,526,099, Oct. 17.
Temperature and pressure operated valve. J. O. Moorhead. 2,501,185, Mar. 21.
Temperature calibrated metal vapor discharge lamp. R. W. Samer. 2,532,463, Dec. 5.
Temperature compensated control rod. E. L. Moyer. 2,534,791, Dec. 19.
Temperature compensated regulator. W. G. Nelld. 2,496,742, Feb. 7.
Temperature compensating means. R. C. Griffith. 2,513,476, July 4.
Temperature compensating means for lens mounts. C. M. Lee and G. L. Barringer. 2,533,478, Dec. 12.
Temperature compensation for hysteresis clutch drives. H. G. Wilcox, Jr. 2,527,237, Oct. 24.
Temperature conditioning and lubricating system and apparatus, Bearing. S. M. Mercier. 2,512,361, June 20.
Temperature control, Aircraft. H. T. Sparrow. 2,505,157, Apr. 25.
Temperature control apparatus. R. C. Main. 2,519,266, Aug. 15.
Temperature control apparatus. J. A. McLean, Jr. 2,530,338, Nov. 14.
Temperature control apparatus, Automatic. T. J. Lehane. 2,494,624, Jan. 17.
Temperature control device. C. F. Alsing. 2,527,386, Oct. 24.
Temperature control device. C. A. Cobb. 2,502,556, Apr. 4.
Temperature control device. J. H. Lewis. 2,494,299, Jan. 10.
Temperature control for fluid mixtures, Selective automatic. W. J. Kreske. 2,519,381, Aug. 22.
Temperature control for liquids. F. J. Marchak. 2,502,054, Mar. 28.
Temperature control, Freezing. G. V. Calabrese. 2,506,775, May 9.
Temperature control in nitration of hydrocarbons. L. A. Stengel. 2,512,587, June 20.
Temperature control, Multiple-zone. J. W. Peckham. 2,518,996, Aug. 15.
Temperature control of chemical reactions. W. L. Kubie and M. Mattikow. 2,519,481, Aug. 22.
Temperature control of electric resistance furnaces. E. C. Hartwig and J. L. Reed. 2,516,570, July 25.
Temperature control of electrovibratory systems. R. Colander and M. L. Doelz. 2,524,886, Oct. 10.
Temperature control of power for heated enclosures. E. M. Callender. 2,519,109, Aug. 15.
Temperature control, Space. J. W. Norris. 2,498,571, Feb. 21.
Temperature control system. C. F. Birchler and W. L. Paulison, Jr. 2,526,843, Oct. 24.
Temperature control system, F. W. Hottenroth. 2,500,414, Mar. 14.
Temperature control system for heating units. E. J. Zeitlin. 2,531,593, Nov. 28.
Temperature controlling apparatus. H. T. Kucera. 2,508,275, May 16.
Temperature controlling apparatus. W. J. Willenborg. 2,524,244, Oct. 3.
Temperature device, Carbon pile. P. P. Stockinger. 2,523,788, Sept. 26.
Temperature indicating device. C. C. Whittaker. 2,508,205, May 16.
Temperature indicator switch. A. T. McCary. 2,526,679, Oct. 24.

Temperature maintenance system, Constant. E. G. White. 2,532,382, Dec. 5.
Temperature operated valve. E. J. Dillman. 2,532,896, Dec. 5.
Temperature refrigeration, Process and apparatus for variable low. W. L. De Baufre. 2,506,350, May 2.
Temperature regulating system. E. F. Weiser. 2,505,597, Apr. 25.
Temperature regulation. J. J. Root. 2,498,864, Feb. 28.
Temperature regulation, Electrode. C. E. Fay. 2,522,259, Sept. 12.
Temperature regulator. C. D. Branson. 2,511,042, June 13.
Temperature regulator. C. D. Branson. 2,524,284, Oct. 3.
Temperature responsive control. E. K. Clark. 2,500,061, Mar. 7.
Temperature responsive control. C. A. Cobb. 2,527,117, Oct. 24.
Temperature responsive device. R. R. Bottoms. 2,517,628, Aug. 8.
Temperature responsive switch. L. Boddy. 2,507,365, May 9.
Temperature responsive switch. B. H. Clason. 2,497,025, Feb. 7.
Temperature sensing device, Electric. M. P. Odell. 2,493,311, Jan. 3.
Temperature sensitive control for electric blankets. R. A. York and H. J. Woll. 2,518,108, Aug. 8.
Temperature stabilization. O. H. Schmitt. 2,533,288, Dec. 12.
Temperature testing chamber. L. A. Brewster. 2,510,952, June 13.
Tempering unit. J. T. Midyette, Jr. 2,515,885, July 18.
Template device for cropping dog's ears. J. M. MacAllan. 2,509,441, May 30.
Template for electrical accounting machines, Mark sensing. J. I. Simplair. 2,525,837, Oct. 17.
Template for marking the location of latch boreholes. J. D. Carroll. 2,511,461, June 13.
Template holder. C. P. Ager. 2,494,532, Jan. 17.
Template strip, Lettering. E. A. Smith. 2,499,838, Mar. 7.
Temple connection, Eyeshield. W. C. Moeller. 2,513,507, July 4.
Templet for buildings, Foundation. R. W. Rumble. 2,518,186, Aug. 8.
Templets, Making. H. E. Renaud. 2,516,091, July 18.
Tendering machine, Meat. H. Stukart. 2,527,038, Oct. 24.
Tenderization of meat. W. Reiman, C. L. Arnold, and W. A. Tschirgi. 2,528,079, Oct. 31.
Tenderizer, Meat. A. L. Jackson. 2,513,025, June 27.
Tenderizer, Meat. S. A. Slauson. 2,495,989, Jan. 31.
Tenderizer, Meat. R. Sybenga. 2,533,849, Dec. 12.
Tenderizer, Steak. A. C. Faehnel. 2,506,862, May 9.
Tenderizing machine, Meat. R. B. Estes. 2,520,032, Aug. 22.
Tenderizing machine, Meat. C. O. Marshall, Jr., and M. C. Yeasting. 2,494,136, Jan. 10.
Tenderizing machine, Meat. W. F. Spang. 2,497,038, Feb. 7.
Tenderizing meats. H. L. Roschen, B. J. Ortscheid, and J. M. Ramsbottom. 2,519,931, Aug. 22.
Tennis racket press. J. H. Weingarten. 2,533,338, Dec. 12.
Tens-transfer device. F. Q. Rast. 2,528,781, Nov. 7.
Tens transfer mechanism for totalizers. R. A. Christian. 2,503,800, Apr. 11.
Tensile machinery, High velocity. A. Nadai. 2,498,291, Feb. 21.
Tension catch. H. B. Roysher. 2,499,077, Feb. 28.
Tension control, Automatic. C. E. Wyrick. 2,501,981, Mar. 28.
Tension control device. L. Hornbostel. 2,525,600, Oct. 10.
Tension control for galvanometer suspension. A. D. Richardson. 2,503,298, Apr. 11.
Tension control for winding machines. I. S. Roberts. 2,509,250, May 30.
Tension control means for cables. D. A. Caputo. 2,512,010, June 20.
Tension control mechanism for use in material serving heads. Y. A. Bouget. 2,507,296, May 9.
Tension control system. E. Frisch. 2,508,154, May 16.
Tension control system. E. Frisch and W. O. Osbon. 2,508,153, May 16.
Tension device. L. C. Marsac. 2,518,703, Aug. 15.
Tension device for feeding strips such as film, Constant. H. N. Fairbanks. 2,513,085, June 27.
Tension device for looms, Filling thread. S. T. Bradley and R. A. Jones. 2,515,626, July 18.
Tension equalizing apparatus. Y. A. Bouget. 2,507,297, May 9.
Tension for loom shuttles. R. G. Turner. 2,518,961, Aug. 15.
Tension for shuttles, Take-up. J. E. Segee and W. J. Gosselin. 2,528,915, Nov. 7.
Tension frame. B. A. Langdahl. 2,494,949, Jan. 17.
Tension means for wire stitching machines. A. F. Fischer. 2,533,782, Dec. 12.
Tension measuring means for tong arms. W. F. Schmeling. 2,527,456, Oct. 24.
Tension-released coupling. A. P. Hart. 2,509,598, May 30.
Tension spring. T. Lindstrom. 2,524,293, Oct. 3.
Tension test device for human hair. J. E. Hope. 2,496,053, Jan. 31.
Tension testing apparatus. N. B. Weyand. 2,518,408, Aug. 8.
Tension testing apparatus for electric sockets and wire connections. J. Sakirsky. 2,535,988, Dec. 26.
Tensioning device, Binding band. R. J. Gartner. 2,526,216, Oct. 17.
Tensioning device, Chain. K. B. Weber. 2,522,150, Sept. 12.
Tensioning device for articulating conveyers. F. Cartlidge. 2,506,579, May 9.
Tensioning device for hacksaw blades. W. H. Shortell. 2,516,079, July 18.
Tensioning device for single column band saws. M. W. Martignone. 2,525,557, Oct. 10.
Tensioning device for step ladders. S. Jasper. 2,525,412, Oct. 10.
Tensioning device, Yard goods. K. Dodds. 2,513,851, July 4.
Tensioning means, String. J. Ferriera. 2,534,431, Dec. 19.
Tensioning textile strands, Method and apparatus for. T. J. Rhodes. 2,504,047, Apr. 11.
Tent. S. D. Church. 2,509,759, May 30.
Tent. T. J. Comber. 2,523,195, Sept. 19.
Tent. L. P. Frieder and W. S. Finken. 2,497,596, Feb. 14.
Tent. R. T. Greenup. 2,530,765, Nov. 21.
Tent. J. F. Hoff. 2,527,729, Oct. 31.
Tent, Chapel. C. W. Lemen. 2,513,729, July 4.
Tent, Collapsible. P. W. Harris. 2,516,869, Aug. 1.
Tent, Hangar. W. S. Finken and L. P. Frieder. 2,511,974, June 20.
Tent or cabaña structure, Portable. P. V. Williams. 2,535,618, Dec. 26.
Tent pole connector. C. A. Rogers. 2,495,423, Jan. 24.
Tent pole lock. H. F. Guenzl. 2,512,099, June 20.
Tent, Sectional hospital. W. R. Brown, R. E. Lushbaugh, and J. W. Cull. 2,493,749, Jan. 10.
Tent suspension apparatus. W. P. McClellan and F. A. Sciples. 2,508,679, May 23.
Tent, Trailer. T. Heil. 2,513,411, July 4.
Tenter. J. Dungler. 2,530,118, Nov. 14.
Tenter clip. F. C. Jerauld and H. A. MacKnight. 2,496,475, Feb. 7.
Tentering machine. J. Dungler. 2,530,119, Nov. 14.
Tentering or like machine for drying cloth or other material. J. Dungler. 2,495,163, Jan. 17.
Terephthalic acid, Preparation of. W. G. Toland, Jr. 2,531,173, Nov. 21.
Terminal and seal construction for electric lamps and similar devices. J. Yoder. 2,535,773, Dec. 26.
Terminal arrangement for compound-sealed posts. R. Gray and H. C. Jones. 2,509,298, May 30.
Terminal, Battery cable. J. B. Casey. 2,493,389, Jan. 3.
Terminal box assembly for polyphase electric motors with changeable connections. C. H. Bost. 2,507,242, May 9.
Terminal, Cable. W. W. Fengler and M. J. Skehan. 2,522,572, Sept. 19.
Terminal clip. E. F. Hubacker. 2,526,869, Oct. 24.
Terminal connector. W. S. Thomas. 2,531,309, Nov. 21.
Terminal construction for electron discharge devices. H. R. Jacobus. 2,522,517, Sept. 19.
Terminal construction for primary cells. M. Friedman. 2,495,247, Jan. 24.
Terminal device, Electrical. H. Heiss. 2,510,339, June 6.
Terminal, Disconnector blade. M. A. Graham. 2,522,672, Sept. 19.
Terminal, Double-ended. G. F. Bahr. 2,533,987, Dec. 12.
Terminal, Electrical. E. W. Breisch. 2,514,440, July 11.
Terminal, Electrical. H. A. Miloche. 2,503,559, Apr. 11.
Terminal, Electrical. F. A. Wood. 2,497,484, Feb. 14.
Terminal equipment, Carrier. L. G. Erickson. 2,497,592, Feb. 14.
Terminal for electric motors, Contact. B. J. Merkle. 2,501,686, Mar. 28.
Terminal for electric power cable systems. C. E. Bennett. 2,532,477, Dec. 5.
Terminal for electrical conductors. E. L. Malhiot. 2,501,870, Mar. 28.
Terminal, Fuse tube. C. E. Schultheiss. 2,531,949, Nov. 28.
Terminal, High-voltage insulator. S. Wald. 2,496,075, Jan. 31.
Terminal, Magnetron output. E. C. Okress. 2,530,171, Nov. 14.
Terminal panel. J. P. Smith, Jr. 2,509,701, May 30.
Terminal, Partially insulated electrical. J. Rogoff. 2,533,200, Dec. 5.
Terminal, Pole cable. J. S. Baker. 2,507,363, May 9.
Terminal seal, Shockproof. R. A. Sykes. 2,508,551, May 23.
Terminal, Solderless type. H. E. Heller. 2,516,572, July 25.
Terminal, Solderless wire. S. M. Weisberg. 2,523,797, Sept. 26.
Terminal strip for electrical interconnections. M. Fritts. 2,534,864, Dec. 19.
Terminal strip for electromagnets. H. E. Epstein. 2,529,653, Nov. 14.
Terminal strip repair unit. L. Green. 2,522,673, Sept. 19.
Terminal structure for electric cable systems. C. E. Bennett. 2,520,111, Aug. 29.

Terminating polymerization reactions. J. O. White. 2,512,472, June 20.
Termination for coaxial lines. E. W. Hunt. 2,498,335, Feb. 21.
Terpene sulfone and insecticidal composition containing same, Chlorinated. G. A. Buntin. 2,514,564, July 11.
Terpineol, Preparation of. S. G. Norton. 2,521,399, Sept. 5.
Terrace display. E. M. Roach. 2,506,237, May 2.
Terracer and ditcher, Rotary. J. E. Hancock. 2,510,779, June 6.
Terracing machine. W. L. Dodson and J. E. Wilson. 2,498,156, Feb. 21.
Terracing machine. J. E. Hancock. 2,527,415, Oct. 24.
Terracing machine, Side disk. J. H. Payne. 2,525,369, Oct. 10.
Terramycin and its production. B. A. Sobin, A. C. Finlay, and J. H. Kane. 2.516,080. July 18.
Terrazzo base grinding and polishing machine. J. G. Fargo. 2,510,689, June 6.
Terry product, Tufted. E. D. Miller. 2,499.406, Mar. 7.
Tertiary arylamines and making same. K. Miescher and W. Klarer. 2,505,133, Apr. 25.
Test apparatus for piezoelectric crystals, Dynamic. D. W. Cole, R. A. Gull, J. C. Pontius, and J. P. Rug. 2,517,977, Aug. 8.
Test device. O. E. Zuercher. 2,496,767, Feb. 7.
Test prod, Self-piercing and self-holding. R. Webster. 2,529,270, Nov. 7.
Test reagent composition. A. H. Free. 2,509,140, May 23.
Tester, Compartment. A. U. Bryant. 2,531,607, Nov. 28.
Tester, Continuity. J. R. Kadilak. 2,534,450, Dec. 19.
Tester, Dynamic balance. T. Carrigan. 2,532,056, Nov. 28.
Tester, Fabric. H. A. Seyboth. 2,522,544, Sept. 19.
Tester for self-synchronous systems. K. A. Simons. 2,499,116, Feb. 28.
Tester, Hardness. F. L. Rupley. 2,498,136, Feb. 21.
Tester, Ignition coil. J. M. Walker. 2,501,802, Mar. 28.
Tester, Ignition system. F. L. Strauss. 2,496,823, Feb. 7.
Tester, Inner tube. A. H. Becker. 2,503,992, Apr. 11.
Tester, Mercury switch. C. F. Brown. 2,498,026, Feb. 21.
Tester, Photographic flash bulb. A. B. Street. 2,501,548, Mar. 21.
Tester, Radio receiver ignition interference. W. D. Nupp. 2,499,410, Mar. 7.
Tester, Tooth pulp. J. J. and R. B. Logan. 2,522,052, Sept. 12.
Tester, Torque. H. W. Zimmerman. 2,503,649, Apr. 11.
Tester, Trigger pull. R. T. Milburn. 2,494,571, Jan. 17.
Tester, Wire. D. W. White, Jr., and R. M. Zabel. 2,496,029, Jan. 31
Tester with corner transformer, Multiple. J. H. Miller. 2,507,803, May 16.
Tester with tone indication, Dial speed. J. W. Kent. 2,500,287, Mar. 14.
Tester, Yield strength. G. R. Eckstein. 2,499,135, Feb. 28.
Testing apparatus, Cable splice. C. E. Lewis. 2,493,077, Jan. 3.
Testing apparatus, Compartment. D. H. Annin. 2,534,-158, Dec. 12.
Testing apparatus, Corrosion. I. Kirschenbaum and D. A. McCaulay. 2,532,257, Nov. 28.
Testing apparatus, Electrical. W. D. Boynton and J. E. Schober. 2,501,482, Mar. 21.
Testing apparatus, Electrical. S. E. Frisbie and G. E. Weeks. 2,507,565–6, May 16.
Testing apparatus, Electrically controlled flicker fusion. R. H. Draeger and H. Friedman. 2,495,708, Jan. 31.
Testing apparatus, Engine. M. C. Patterson and J. A. Baker. 2,513,816, July 4.
Testing apparatus, Explosive. P. De Jarlais. 2,525,020, Oct. 10.
Testing apparatus, Flexure. G. Stanius. 2,528,918, Nov. 7.
Testing apparatus, Fog resistance. A. J. Berger. 2,533,214, Dec. 12.
Testing apparatus for fluid meters. R. Bennett. 2,510,327, June 6.
Testing apparatus for generator winding insulation. J. S. Johnson. 2,525,413, Oct. 10.
Testing apparatus for voltage regulator tubes. G. D. Hanchett, Jr. 2,524,225, Oct. 3.
Testing apparatus, Formation. J. C. Stokes. 2,528,981, Nov. 7.
Testing apparatus, Heat-distortion. D. H. Kallas, S. A. Eller, and E. Di Liberti. 2,504,985, Apr. 25.
Testing apparatus, Piezoelectric crystal. S. X. Shore. 2,499,788, Mar. 7.
Testing apparatus, Soil. J. W. Black. 2,531,388, Nov. 28.
Testing apparatus, Tensile. J. D. Lubahn. 2,534,980, Dec. 19.
Testing apparatus, Vibration. B. J. Lazan. 2,496,632, Feb. 7.
Testing apparatus with sound absorbing panels forming air passages. T. T. Tucker. 2.519.160, Aug. 15.
Testing device. S. Bloom. 2,508,367, May 23.
Testing device and method, Carburetor. J. L. Edelen. 2,494,936, Jan. 17.
Testing device, Drill stem. C. E. Reistle, Jr. 2,497.185, Feb. 14.
Testing device, Electric. E. B. Huff. 2,511,918, June 20.
Testing device, Electrical. W. H. Haupt. 2,515,004, July 11.
Testing device for blood, Clinical. M. S. Rosen. 2,514,260, July 4.
Testing device for line identifying equipment. J. E. Ostline. 2,535,513, Dec. 26.
Testing device for radio object detection systems. V. A. Counter, W. M. Fairbank, and J. Halpern. 2,532,539, Dec. 5.
Testing device for seismic signal apparatus. J. E. Hawkins. 2,493,534, Jan. 3.
Testing device for thermocouple type temperature recorders. H. A. Hulsberg. 2,502,568, Apr. 4.
Testing device for wringers. L. D. Meiser. 2,528,382, Oct. 31.
Testing device, Ground. J. D. Wood. 2,504,775, Apr. 18.
Testing device, Pedal. T. J. Scuttish. 2,524,298, Oct. 3.
Testing device, Radiator. F. J. Miller and M. J. Graham. 2,534,615, Dec. 19.
Testing device, Shock. A. J. Berger. 2,534,218, Dec. 19.
Testing device, Terminal air brake time. E. E. Andrews. 2,510,538, June 6.
Testing device, Tube. R. G. Stillinger. 2,507,124, May 9.
Testing device, Yarn. L. G. Smith. 2,524,936, Oct. 10.
Testing electric cables. R. D. Gambrill. 2,513,794, July 4.
Testing electrical conductors. A. J. Meyerhoff and J. H. Sulzer. 2,526,891, Oct. 24.
Testing equipment for electrical apparatus. G. C. Buck. 2,496,197, Jan. 31.
Testing fuel performance. J. J. Baadte. 2,521,322, Sept. 5.
Testing gas evolution characteristics of molding sand, Process and apparatus for. W. H. Moore. 2,504,143, Apr. 18.
Testing hearing. H. B. Shaper. 2,511,482, June 13.
Testing instrument, Allergy. F. A. Simon. 2,522,309, Sept. 12.
Testing insulating walls. C. Q. Ives. 2,501,676, Mar. 28.
Testing insulation, Method of and apparatus for. W. D. Boynton. 2,499,720, Mar. 7.
Testing machine, Abrasion. R. L. Fish. 2,519,556, Aug. 22.
Testing machine for rupturing specimens. R. E. Getchell. 2,509,142, May 23.
Testing machine for the pulsatory testing of test specimens, Hydraulic. M. Russenberger. 2.530.483, Nov. 21.
Testing machine, Hardness. E. H. Shaff. 2,522,307, Sept. 12.
Testing machine, Hydraulic. S. Webb. 2,497.193, Feb. 14.
Testing machine, Hydraulic pipe. J. U. Devine, G. T. Radford, and M. S. Gettig. 2,493.061, Jan. 3.
Testing machine, Impact. R. C. McKendry. 2,506.607, May 9.
Testing metal bars, Method and apparatus for. C. W. Schott. 2,518,943, Aug. 15.
Testing method by transmitting pulses of different rates of propagation, Cable. J. J. Gilbert. 2,522,362, Sept. 12.
Testing moisture content of materials. C. N. Kimball, W. R. Lewis, and H. A. Strecker. 2,499,069, Feb. 28.
Testing nonmagnetic materials, Method and apparatus for. J. J. Delaney. 2,534,420, Dec. 19.
Testing objects made of insulating material, Method of and apparatus for. F. Cremer, S. Steinitz, and J. R. Manheimer. 2,503,803, Apr. 11.
Testing of materials by impact. J. M. McCormick. 2,518,350, Aug. 8.
Testing of reactances, Method and apparatus for the. M. L. Scheiner. 2,509,401, May 30.
Testing radio receivers to determine the number of turns of the loop antenna. M. Glaser. 2,497,027, Feb. 7.
Testing slide fastener. C. F. Schwarz. 2,493,782, Jan. 10.
Testing structure, including sound absorbing panels, Acoustic. T. T. Tucker. 2,519,161–2, Aug. 15.
Testing system for cathode-ray telephone switching apparatus. L. Gross. 2,523,365, Sept. 26.
Testing system, Magnetic head. D. L. Blaney. 2,528,682, Nov. 7.
Testing system, Microwave electrical. W. A. Edson and I. G. Wilson. 2,498,073, Feb. 21.
Testing the inflammability of fluids, Method of and apparatus for. M. V. Sullivan and J. K. Wolfe. 2,500,964, Mar. 21.
Testing tire tread cracking, Method and apparatus for. I. B. Prettyman and H. G. Hager. 2,514,202, July 4.
Testing unit for wire sparkers. J. L. Entwistle. 2,510,743, June 6.
Testing unit, Leak. W. H. Hendricks. 2,493,967, Jan. 10.
Testing vibration translating devices by means of an oscilloscope pattern, Method and apparatus for. C. L. Warren. 2,534,565, Dec. 19.
Testing well tubing. A. H. Brandon. 2,502,775, Apr. 4.
Tether, Animal. W. Schiel and N. Zacher. 2,507,38? May 9.
Tethering device. C. F. Gage. 2,525,890, Oct. 17.
Tetraalkyllead, Manufacture of. H. Shapiro. 2,535,235, Dec. 26.
Tetraalkyllead, Preparation of. H. Shapiro. 2,535,236–7, Dec. 26.
Tetra-alkyl thiuram disulfides, Coated. C. D. Stanley. 2,528,186, Oct. 31.

Tetraazaporphine pigments containing styrene groups, polymers thereof, and their production. E. L. Kropa and J. J. Roemer. 2,513,098, June 27.
Tetra-(carboxyalkyl)-1 :2-diaminocyclohexanes and making same. H. Schläpfer and J. Bindler. 2,519,708, Aug. 22.
Tetrachlorethyl ethers of phenols and products obtainable therefrom and the use of the latter products, New. E. Usteri and C. Graenacher. 2,502,355, Mar. 28.
Tetrachlorophthalic acid and anhydride curing of aminoplasts. E. F. Morfit. 2,520,100, Aug. 22.
Tetraethyl lead, Manufacturing. W. J. Clem and R. J. Plunkett. 2,515,821, July 18.
Tetraethyl pyrophosphate, Manufacture of. M. N. Dvornikoff and H. L. Morrill. 2,523,613, Sept. 26.
Tetraethyl pyrophosphate, Manufacture of. N. E. Willis. 2,523,243. Sept. 19.
Tetraethyl pyrophosphate, Producing. A. D. F. Toy. 2,504,165, Apr. 18.
Tetrafluorosuccinic acid derivatives and their preparation. J. J. Padbury and E. L. Kropa. 2,502,478, Apr. 4.
Tetrahydroanthraquinones, Production of. L. H. Dawsey, R. R. Umhoefer, and C. K. Muehlhausser. 2,495,229, Jan. 24.
Tetrahydrofurfuryl ester solutions of halogenated fluoresceins. S. Gottfried. 2,506,921, May 9.
Tetrahydropyran-2-methanol, Preparation of. J. D. C. Wilson, II. 2,524,503, Oct. 3.
Tetrahydropyranyl-malonic esters. J. G. Schudel and R. V. Rice. 2,522,966, Sept. 19.
Tetrahydropyrimidine compounds and their preparation. V. E. Haury. 2,516,626 ,July 25.
Tetrahydrothiophenes. L. C. Cheney and J. R. Piening. 2,502,421, Apr. 4.
Tetrahydroxy etiocholanic acid and esters thereof. M. R. Ehrenstein. 2,518,672, Aug. 15.
Tetralin oxidation and recovery of hydroperoxide from the oxidation product. J. E. Wicklatz and T. J. Kennedy. 2,511,957, June 20.
Tetramethylolcyclopentanone, Production of. G. C. Ray. 2,500,570, Mar. 14.
Tetrasubstituted piperazines, Producing. P. L. Barrick, C. T. Handy and R. S. Schreiber. 2,516,289, July 25.
Textile apparatus. B. G. B. Slocombe and S. M. Fulton. 2,493,902, Jan. 10.
Textile decorating. N. S. Cassel and A. T. Clifford. 2,527,530. Oct. 31.
Textile drafting and spinning. E. G. Whittaker. 2,532,275, Nov. 28.
Textile fabric. B. H. Foster. 2,521,055, Sept. 5.
Textile fiber opening apparatus. J. H. Senior and H. B. Riehl. 2,505,690, Apr. 25.
Textile-finishing composition, treating wool-containing textile material therewith and product thereof. R. H. Kienle and C. A. Amick. 2,514,132, July 4.
Textile flexing and abrasion tester. R. C. Cross and W. Krauss. 2,519,551, Aug. 22.
Textile machine. A. G. B. Metcalf. 2,531,944, Nov. 28.
Textile materials, Antistatic. A. L. Fox. 2,498,408, Feb. 21.
Textile materials made mildew resistant with di-(4-hydroxychlorophenyl) dimethyl methane. W. D. Stewart and J. H. Standen. 2,530,792, Nov. 21.
Textile materials, Producing slip-resistant. D. H. Powers and W. J. Harrison. 2,527,329, Oct. 24.
Textile materials, Production of. T. Jackson. 2,531,513, Nov. 28.
Textile printing paste comprising a diazoamino compound and a substituted benzothiazole. P. Petitcolas and R. F. M. Sureau. 2,500,093, Mar. 7.
Textile product. C. S. Francis, Jr. 2,528,129, Oct. 31.
Textile sizing composition. G. D. Jefferson and R. D. Fine. 2,495,845, Jan. 31.
Textile spindle mounting. H. Gleitz and C. E. Miller. 2,497,881, Feb. 21.
Textile spindle slide mounting. J. K. Cochran. 2,497,866, Feb. 21.
Textile treating apparatus. G. J. Schlesinger. 2,504,882, Apr. 18.
Textile treating products and making. J. B. Rust. 2,510,522, June 6.
Textiles and making same, Water-repellent. J. B. Rust. 2,528,554, Nov. 7.
Textiles, Crease-proofing. L. Balassa. 2,493,381, Jan. 3.
Textiles, Production of water-repellent. F. K. Signaigo. 2,505,259, Apr. 25.
Thawer for pipes, Electric. J. A. Nordström. 2,523,876, Sept. 26.
Theater chair. G. C. Jones. 2,522,180, Sept. 12.
Theater chair. S. B. McDonald. 2,509,739, May 30.
Thenaldimines. H. D. Hartough and J. W. Schick. 2,500,822, Mar. 14.
Thenoylaminoanthraquinones. H. R. Lee and C. F. Belcher. 2,505,253, Apr. 25.
Thenylamines. H. D. Hartough and E. Koft, Jr. 2,528,306, Oct. 31.
Thenyl esters and miticide compositions containing the same. L. P. Kyrides and F. B. Zienty. 2,519,383, Aug. 22.
Theophylline-monoaminobenzoic acid-alkali metal hydroxide reaction product. I. W. Grote and J. W. Le Maistre. 2,519,450, Aug. 22.
Therapeutic agents, Micropulverized. G. V. Taplin and F. A. Bryan. 2,533,065, Dec. 5.
Therapeutic apparatus. H. J. Poor. 2,533,504, Dec. 12.
Therapeutic apparatus. R. B. Wiprud. 2,507,393, May 9.
Therapeutic compositions. H. P. Brown. 2,510,495, June 6.
Therapeutic compositions, Micropulverized. G. V. Taplin and F. A. Bryan. 2,533,066, Dec. 5.
Therapeutic compositions, Stable injectable oil-pectin. H. Welch. 2,518,510, Aug. 15.
Therapeutic device, Electrical. F. J. Hart. 2,503,668, Apr. 11.
Therapeutic device, Electrical. F. J. Hart, 2,522,269, Sept. 12.
Therapeutic device, Portable. N. H. Pitts. 2,533,955, Dec. 12.
Therapeutic preparations for intramuscular and subcutaneous injection and making the same. G. P. Pitkin. 2,530,480, Nov. 21.
Therapeutic product. D. C. Shrontz. 2,501,544, Mar. 21.
Therapeutic unit. H. R. Swanson. 2,527,039, Oct. 24.
Therapy appliance, Heat. G. C. Tong. 2,495,356, Jan. 24.
Thermal chlorinolysis and brominolysis of fluorocarbons to produce fluorocarbon chlorides and bromides. J. H. Simons, W. H. Pearlson, and T. J. Brice. 2,506,652, May 9.
Thermal conversion of hydrocarbons. R. B. Ewell. 2,532,615, Dec. 5.
Thermal cutout for flatirons or the like. A. G. Swenson. 2,528,254, Oct. 31.
Thermal expansion and vesiculation process for siliceous materials. G. Stecker. 2,501,698, Mar. 28.
Thermal fuel expansion unit. R. Goldberg. 2,518,305, Aug. 8.
Thermal hydrogenolysis of fluorocarbons to produce fluorocarbon hydrides. J. H. Simons, W. H. Pearlson, and W. R. James. 2,494,064, Jan. 10.
Thermal insulated pipe. T. F. M. Williamson. 2,532,587, Dec. 5.
Thermal limit valve. G. D. Bower. 2,508,010, May 16.
Thermal locking radiator cap. R. H. Kellogg. 2,528,372, Oct. 31.
Thermal process for producing the carbides of tantalum and columbium. D. Gardner. 2,532,295, Dec. 5.
Thermal processing apparatus. H. C. Schutt. 2,523,971, Sept. 26.
Thermal protective device for electronic devices. A. P. Bock. 2,530,935, Nov. 21.
Thermal responsive switch. P. G. Hughes. 2,512,331, June 20.
Thermal retarder. C. M. Osterheld. 2,510,478, June 6.
Thermal retarder. C. M. Osterheld. 2,533,614, Dec. 12.
Thermal safety pilot switch. S. R. Hood. 2,530,059, Nov. 14.
Thermal shaping of corundum and spinel crystals. T. F. Hart. 2,517,661, Aug. 8.
Thermal switch. J. T. Alger. 2,504,370, Apr. 18.
Thermal switch. M. K. Parkhurst. 2,496,229, Jan. 31.
Thermal treatment of solids, Process and apparatus for. P. H. Royster. 2,522,639, Sept. 19.
Thermal valve. J. E. Dube. 2,506,413, May 2.
Thermal vesiculation and treating process for volcanic glasses. G. Stecker. 2,501,699, Mar. 28.
Thermally actuated friction clutch. S. A. Kane. 2,502,461, Apr. 4.
Thermally actuated switch. J. S. Zimmer. 2,499,208, Feb. 28.
Thermally controlled electric switch. E. H. Taylor. 2,503,008, Apr. 4.
Thermally operated electric switch. F. L. Best. 2,524,954, Oct. 10.
Thermally responsive impedance unit. L. A. Medlar. 2,526,251, Oct. 17.
Thermally responsive indicator. R. D. Nelson. 2,532,510, Dec. 5.
Thermionic amplifier circuit. H. P. Williams. 2,498,730, Feb. 28.
Thermionic cathode. D. C. Phipps. 2,507,812, May 16.
Thermionic tube. P. M. Cupido, B. O. M. Gall, J. L. H. Jonker, and A. J. W. M. van Overbeek. 2,532,836, Dec. 5.
Thermionic valve circuits. J. J. Antalek. 2,500,504, Mar. 14.
Thermionic valve holder. S. T. Deakin. 2,493,658, Jan. 3.
Thermionic-valve system. M. K. Taylor and F. C. Williams. 2,495,949, Jan. 31.
Thermistor system. O. H. Schmitt. 2,533,287, Dec. 12.
Thermochemical method of branding blank steel bands or wires. L. R. Maleyre. 2,530,436, Nov. 21.
Thermochemical severing of reentrant sections of metal, Powder assisted. E. Meincke. 2,511,410, June 13.
Thermocontrol device for electric discharge devices, Protective. A. M. Gurewitsch. 2,516,564, July 25.
Thermocouple. R. W. Abbott. 2,525,439, Oct. 10.
Thermocouple connector. V. Guillemin, Jr. 2,518,464, Aug. 15.
Thermocouple for gas or oil burners. W. A. Ray. 2,535,602, Dec. 26.
Thermocouple safety pilot switch. R. K. Engholdt. 2,515,992, July 18.
Thermocouple structure. J. L. Russell. 2,517,033, Aug. 1.
Thermocouple utilizing an anodized surface, Insulated. A. I. Thompson. 2,517,053, Aug. 1.
Thermocouple with metallic coating, Insluated. F. B. Bristol. 2,516,952, Aug. 1.

Thermocouple with wire insulation. J. P. Vollrath. 2,504,764, Apr. 18.
Thermoelectric device. P. L. Betz. 2,505,730, Apr. 25.
Thermoelectric feedback system. W. G. Keck. 2,511,855, June 20.
Thermoelectric generator. M. Greeff. 2,502,399, Mar. 28.
Thermoelectric generator. S. K. Malek. 2,530,255–6, Nov. 14.
Thermoelectric generator. H. G. Pack. 2,516,719, July 25.
Thermoelectric generator. H. G. Pack. 2,530,907, Nov. 21.
Thermometer, Adjustable-angle. E. P. Dobrin. 2,524,894, Oct. 10.
Thermometer and sampling unit, Combined. B. F. Fitch. 2,523,691, Sept. 26.
Thermometer, Clinical. L. Eisele. 2,530,235, Nov. 14.
Thermometer, Contact making. A. H. Lamb and E. N. Eadie, Jr. 2,502,159, Mar. 28.
Thermometer, Floating. L. F. Chaney. 2,520,911, Sept. 5.
Thermometer, Free air. A. H. Lamb. 2,525,361, Oct. 10.
Thermometer, Submersible electrical resistance. W. B. Eddison and A. W. Jacobson. 2,499,575, Mar. 7.
Thermometer tube. C. O. Fairchild. 2,535,628, Dec. 26.
Thermometer tube. C. O. Fairchild. 2,535,629, Dec. 26.
Thermometer, Wet bulb. C. A. Mabey. 2,494,769, Jan. 17.
Thermopile. M. D. Liston, and K. W. Opperman. 2,526,491–2, Oct. 17.
Thermopile. F. Okolicsanyi. 2,519,785, Aug. 22.
Thermopile and pilot burner. W. R. Ray. 2,494,833, Jan. 17.
Thermopile construction. S. K. Malek. 2,530,254, Nov. 14.
Thermopile structure. L. C. Biggle. 2,526,112, Oct. 17.
Thermoplastic articles, Making. R. C. Feagin. 2,528,219, Oct. 31.
Thermoplastic composition. W. Rowe. 2,532,197, Nov. 28.
Thermoplastic compositions plasticized with an ester of 3,5,5-trimethyl-1-hexanol. H. G. Reid. 2,517,350–1, Aug. 1.
Thermoplastic compositions plasticized with esters of 3,5,5-trimethyl-1-hexanol. H. G. Reid. 2,517,352, Aug. 1.
Thermoplastic compositions, Production of dry powdery. W. F. Bixby. 2,530,852, Nov. 21.
Thermoplastic compositions with reduced flow viscosity. E. D. Serdynsky. 2,532,245, Nov. 28.
Thermoplastic material, Preparing. C. D. Orsini. 2,531,739, Nov. 28.
Thermoplastic materials, Manufacture of expanded. S. Booth. 2,531,665, Nov. 28.
Thermoplastic tube assemblies, Method and apparatus for making hard. C. T. Bowen. 2,529,863, Nov. 14.
Thermoregulator. W. D. Laverell, T. M. Walton, and F. H. Mumberg. 2,498,212, Feb. 21.
Thermos lunch box. C. Parker. 2,499,254, Feb. 28.
Thermoset laminated member. F. J. Nagel and B. C. Nash. 2,534,923, Dec. 19.
Thermosetting aminoplast compositions, Preparing. C. H. Parker, Jr. 2,524,472, Oct. 3.
Thermosetting and thermoset compositions comprising monoolefin/carbon monoxide polymers and obtaining same. P. S. Pinkney. 2,495,282, Jan. 24.
Thermosetting compositions having improved electrical properties. R. Lindenfelser and J. Grabowski. 2,526,885, Oct. 24.
Thermosetting resin from a diphenol and a diglycidyl ether of a diphenol. H. L. Bender, A. G. Farnham, and J. W. Guyer. 2,506,486, May 2.
Thermosetting synthetic resins, Production of. J. K. Simons. 2,510,935, June 6.
Thermostat. G. C. Fairbairn. 2,506,352, May 2.
Thermostat. R. T. Keating. 2,503,554, Apr. 11.
Thermostat. E. H. Schultz. 2,514,803, July 11.
Thermostat. L. A. Williams, Jr. 2,505,599, Apr. 25.
Thermostat, Electronic. G. D. Hanchett, Jr. 2,511,981, June 20.
Thermostat for gas heating devices, Control. J. E. Sherlock. 2,502,283, Mar. 28.
Thermostat, Hermetically-sealed. B. F. Parr. 2,516,584, July 25.
Thermostat, Reversible. A. J. Hilgert. 2,506,503, May 2.
Thermostat switch. G. F. Dales. 2,497,397, Feb. 14.
Thermostatic compensating unit. W. J. Rady and L. A. Rice. 2,519,601, Aug. 22.
Thermostatic control. W. B. Eddison and T. E. King. 2,519,239, Aug. 15.
Thermostatic control. W. E. Jenkins and T. H. Thiele. 2,524,667, Oct. 3.
Thermostatic control. W. T. Rossell. 2,519,853, Aug. 22.
Thermostatic control device. J. E. Woods. 2,520,894, Aug. 29.
Thermostatic control device for gas-burning appliances. V. Weber and R. F. Garner. 2,533,982, Dec. 12.
Thermostatic control for air motors. W. M. Smith. 2,522,313, Sept. 12.
Thermostatic control for refrigerating apparatus. W. M. Keller. 2,507,911, May 16.
Thermostatic control means for bottle coolers. H. W. Whitmore. 2,509,404, May 30.
Thermostatic control mechanism. W. C. Eden and C. W. Bondurant. 2,498,988, Feb. 28.
Thermostatic control mechanism. K. M. Hammell. 2,496,715, Feb. 7.
Thermostatic control mechanism. R. O. Warner. 2,507,071, May 9.
Thermostatic control switch. R. A. Graden. 2,511,256, June 13.
Thermostatic control valve. W. A. Kysor. 2,512,548, June 20.
Thermostatic device. N. B. Wales. 2,500,390, Mar. 14.
Thermostatic electrical switch. B. Altman and P. Stiller. 2,516,501–02, July 25.
Thermostatic element, Bimetallic. V. E. Matulaitis and P. M. Byam. 2,533,274, Dec. 12.
Thermostatic mixer. R. Trubert. 2,517,056, Aug. 1.
Thermostatic mixing valve. F. C. Binnall and M. T. Miller. 2,507,954, May 16.
Thermostatic mixing valve. L. and H. J. Grimes. 2,499,496, Mar. 7.
Thermostatic mixing valve. M. T. Miller, F. C. Binnall, and C. H. Krause. 2,508,074, May 16.
Thermostatic mixing valve. V. C. Miller. 2,527,836, Oct. 31.
Thermostatic mixing valve. H. A. Thrush. 2,520,446, Aug. 29.
Thermostatic steam trap. H. L. Johnson. 2,513,875, July 4.
Thermostatic temperature and flow control valve. R. W. Jensen. 2,516,390, July 25.
Thermostatic switch. W. A. Biermann and L. V. McCarty. 2,505,938, May 2.
Thermostatic switch. W. A. Biermann and E. R. Rack. 2,526,992, Oct. 24.
Thermostatic switch. J. H. and L. W. Bruhn. 2,527,875, Oct. 31.
Thermostatic switch. J. T. Carlson. 2,522,431, Sept. 12.
Thermostatic switch. T. N. Flight, W. H. Wilson, and A. J. Chinn. 2,519,558, Aug. 22.
Thermostatic switch. F. L. Hollister. 2,529,941, Nov. 14.
Thermostatic switch. A. J. Kercher. 2,512,529, June 20.
Thermostatic switch. P. R. Lee. 2,500,760, Mar. 14.
Thermostatic switch. H. G. Leupold. 2,514,881, July 11.
Thermostatic switch. E. J. Poitras. 2,496,917, Feb. 7.
Thermostatic switch. W. A. Ray. 2,499,779, Mar. 7.
Thermostatic switch. J. O. Rosche. 2,532,859, Dec. 5.
Thermostatic switch. J. P. Stefan. 2,506,748, May 9.
Thermostatic valve. G. W. Crise. 2,509,482, May 30.
Thermostatic valve. G. Sperling. 2,521,612, Sept. 5.
Thiamin, Stabilized. M. D. Bray. 2,498,200, Feb. 21.
Thianaphthenylmethyl benzoate. F. F. Blicke. 2,533,087, Dec. 5.
Thiazolidone compounds. J. D. Kendall and G. F. Duffin. 2,527,265, Oct. 24.
Thiazolone cyanine dye intermediates. T. R. Thompson. 2,535,992, Dec. 26.
Thiazolyl and thiazolinyl dithiocarbamates, Preparation of. E. J. Ritter and C. N. Robinson. 2,524,082, Oct. 3.
Thienyl ethylene compounds. I. C. Beatty, III. 2,526,319, Oct. 17.
Thickness measurement. G. Herzog. 2,509,344, May 30.
Thimble, Thread-cutting. E. D. Gorka and M. B. Gideon. 2,494,439, Jan. 10.
Thimble, Sewing. E. L. Schiavone. 2,528,976, Nov. 7.
Thin paper insulated electric cable. L. Domenach and L. Macardier. 2,532,152, Nov. 28.
Thinner, Plant. W. H. and C. R. Mayberry. 2,505,560, Apr. 25.
Thinning machine, Electrically controlled plant. A. M. A. Ferté. 2,507,001, May 9.
Thioacetal products. J. C. Patrick. 2,527,377, Oct. 24.
Thioacetamides, Preparation of. C. L. Levesque. 2,531,283, Nov. 21.
Thioamides, Preparation of. C. L. Levesque. 2,525,075, Oct. 10.
Thiocyanated ether of 4-vinylcyclohexene and its preparation. H. L. Johnson and A. P. Stuart. 2,507,471, May 9.
Thiocyanoacetate derivative of 4-vinylcyclohexene. H. L. Johnson and A. P. Stuart. 2,507,472, May 9.
Thio derivatives of alpha alkylidene cyanoacetic esters, Certain. H. D. Edwards. 2,534,112, Dec. 12.
Thiodipropionates-polythene antioxidants. M. F. Gribbins. 2,519,755, Aug. 22.
Thio-ether substituted thiazoles and selenazoles and preparing the same. G. A. Wiesehahn. 2,500,142, Mar. 7.
Thio ethers and making same, Sulfonated. D. Frazier. 2,499,377, Mar. 7.
Thioethers and/or mercaptans, Production of. R. T. Bell. 2,531,602, Nov. 28.
Thio ethers of adiponitrile. C. M. Langkammerer and B. C. Pratt. 2,501,226, Mar. 21.
Thioethers of polyalkylated cyclic sulfones. R. C. Morris and J. L. Van Winkle. 2,495,467, Jan. 24.
Thio-ethers, Preparation of unsaturated. T. F. Doumani. 2,532,612, Dec. 5.
Thioindigo pigments, Production of improved. D. B. Killian. 2,493,072. Jan. 3.
Thioketones. G. H. Keyes. 2,500,126, Mar. 7.
Thiolesters, Production of. W. W. Crouch. 2,509,483, May 30.
Thiophanthraquinone, Preparation of. V. Weinmayr. 2,497,334, Feb. 14.

Thiophene acylation with catalyst of sulfuric acid-carboxylic acid complex. T. F. Doumani and J. F. Cuneo. 2,522,752, Sept. 19.
Thiophene condensation products. C. F. Feasley. 2,522,355, Sept. 12.
Thiophene derivatives. W. S. Emerson and T. M. Patrick, Jr. 2,522,436, Sept. 12.
Thiophene production from diolefin, hydrogen sulfide, and alumina. E. F. Wadley. 2,521,429, Sept. 5.
Thiophenethiol, Making. S. J. Lukasiewicz. 2,515,242, July 18.
Thiophenes from sulfur dioxide and hydrocarbons. K. L. Kreuz. 2,531,279, Nov. 21.
Thiophenols, Manufacture of. E. E. Gilbert and E. J. Levin. 2,506,416, May 2.
Thiophosphates, Making. T. F. Cleary, Jr. 2,506,344, May 2.
Thiosulfenamides, Production of. C. M. Himel and L. O. Edmonds. 2,520,401, Aug. 29.
Thiourea-hydrocarbon complexes and preparing same. L. C. Fetterly. 2,499,820, Mar. 7.
Thiourea, Preparation of. A. J. Courtier. 2,521,778, Sept. 12.
13-monomethyl cyclopentanopolyhydrophenanthrenes and process. M. R. Ehrenstein. 2,530,816, Nov. 21.
13-monomethyl steroids. M. R. Ehrenstein. 2,530,817, Nov. 21.
Thiuram monosulfides, Preparation of. E. J. Ritter. 2,524,081, Oct. 3.
Thixotropic gels, Stabilized. H. J. Schneiderwirth. 2,511,740, June 13.
Thixotropic investment material. E. E. Ensign. 2,532,155, Nov. 28.
Thread anvil. C. Russell and H. R. Kiel. 2,530,267, Nov. 14.
Thread-chaser gauge. C. E. Campbell. 2,523,277, Sept. 26.
Thread-chasing tool. P. G. Lambrakos. 2,504,539, Apr. 18.
Thread clearer, Electronic. T. J. Price. 2,506,174, May 2.
Thread coating apparatus. D. K. Alpern, H. M. Freydberg, and W. H. Hawkins. 2,509,407, May 30.
Thread control for loom thread cutters. R. G. Turner. 2,509,378, May 30.
Thread control for weft replenishing looms. G. N. Peterson. 2,510,603, June 6.
Thread control for weft replenishing looms. R. G. Turner. 2,531,176, Nov. 21.
Thread controlling and defect detecting device. E. Doll. 2,522,751, Sept. 19.
Thread controlling device for sewing machines. W. C. Boyer. 2,496,116–17, Jan. 31.
Thread cutter. M. L. Cohn. 2,505,705, Apr 25.
Thread cutter. W. B. Johnson. Re. 23,210, Mar. 21.
Thread cutter. W. B. Johnson. 2,511,470, June 13.
Thread cutter. G. N. Kumbera. 2,535,294, Dec. 26.
Thread cutter and register means for book sewing machines, Automatic. W. B. Hildmann. 2,496,211, Jan. 31.
Thread-cutting and clamping mechanism. E. L. Kielczewski and R. G. Mallard. 2,515,045, July 11.
Thread extracting, clamping, and cutting device for looms. G. F. Bahan. 2,529,758, Nov. 14.
Thread gauge. H. Greenberg. 2,528,431, Oct. 31.
Thread guide roller, Fluid circulating. H. O. Naumann. 2,532,326, Dec. 5.
Thread holder. G. Chase. 2,499,130, Feb. 28.
Thread holder for weft replenishing looms. R. G. Turner. 2,531,177, Nov. 21.
Thread insert, Locking screw. E. H. Eckener. 2,512,316, June 20.
Thread letoff mechanism. G. O. Young. 2,514,824, July 11.
Thread package, Rubber. G. S. Van Voorhis. 2,511,655, June 13.
Thread protector. H. A. Unke. 2,523,930, Sept. 26.
Thread pulling tool. E. M. Franklin. 2,504,676, Apr. 18.
Thread remover for looms, Pneumatic. G. N. Peterson. 2,526,269, Oct. 17.
Thread remover for weft replenishing looms, Pneumatic. R. G. Turner. 2,520,579, Aug. 29.
Thread retainer and saver. A. H. Johnson. 2,496,945, Feb. 7.
Thread rolling machine. D. M. Watkins and W. E. Dilke. 2,519,164, Aug. 15.
Thread tightening device for sewing machines. A. Austlid. 2,501,807, Mar. 28.
Thread treating apparatus. H. K. Martin. 2,499,405, Mar. 7.
Thread-trimming and pull-off mechanism for sewing machines. E. P. Spaine. 2,499,335, Feb. 28.
Thread twisting device. F. Planet. 2,521,601, Sept. 5.
Threadedly adjustable flexible-strap wrench. F. J. Mouser. 2,522,190, Sept. 12.
Threader for winder machines, Web. C. M. Pearson. 2,529,184, Nov. 7.
Threader, Needle. A. E. Edwards. 2,507,370, May 9.
Threader, Needle. J. Hickey. 2,530,768, Nov. 21.
Threader, Needle. J. N. Jamo. 2,525,034, Oct. 10.
Threader, Sewing machine needle. W. S. Lyle. 2,494,444, Jan. 10.
Threading apparatus for automatic lathes. G. E. Cuttat. 2,511,196, June 13.
Threading device. S. Adler. 2,516,171, July 25.
Threading device for curtain rods, Curtain. H. C. Laub. 2,517,217, Aug. 1.
Threading device, Needle. J. H. Oldham. 2,506,275, May 2.
Threading device, Needle. F. A. Warner, L. Engleman, and C. Angel. 2,501,244, Mar. 21.
Threading-die holder. F. H. Warren. 2,522,655, Sept. 19.
Threading machine, Tape. A. W. Biesen. 2,532,535, Dec. 5.
Threading mechanism, Multidiameter. C. A. Reimschissel. 2,514,258, July 4.
Threadless coupling. J. M. Hopwood. 2,496,667, Feb. 7.
Threadless tube coupling. S. Guarnaschelli. 2,534,199, Dec. 12.
3-acyl amino-4-carboalkoxyamino thiophenes. L. C. Cheney and J. R. Piening. 2,502,427, Apr. 4.
3-acylamino-4-carboalkoxy-2-ω-r-alkyl-thiophenes. L. C. Cheney and J. R. Piening. 2,502,424, Apr. 4.
3-acylamino-2-ω-r-alkyl-4-thiophene-carboxylic acid azides. L. C. Cheney and J. R. Piening. 2,502,426, Apr. 4.
3-acylamino-2-ω-r-alkyl-4-thiophene-carboxylic acid hydrazides. L. C. Cheney and J. R. Piening. 2,502,425, Apr. 4.
3-amino-1,2 diphenyl-propanol-1. J. J. Denton and V. A. Lawson. 2,515,700, July 18.
3-arylbenzothiazolium quaternary salts and preparing the same. J. J. Jennen and W. Michaelis. 2,495,260, Jan. 24.
3-chloro-9-[2-(2-hydroxyethylamino)-ethylamino] acridine and its production. A. R. Surrey. 2,531,011, Nov. 21.
3 chloro, 2,2 dimethyl propylamine and preparing. O. W. Cass. 2,499,847, Mar. 7.
3-dialkylamino-2-hydroxypropyl amines. W. D. Gross. 2,520,093, Aug. 22.
Three-dimensional model. L. A. Ledgett. 2,523,508, Sept. 26.
3,11-diketo-17,20-dihydroxy-pregnanes and process. L. H. Sarett. 2,493,780, Jan. 10.
3,11-diketo-20,21-dioxypregnanes and process. L. H. Sarett. 2,516,258, July 25.
3,5-dihalogen-2-cyanodiphenyls. S. R. Buc. 2,497,060, Feb. 14.
3,5-diiodochelidamic acid, Preparing. H. G. Morren. 2,523,712, Sept. 26.
3,5-dimethylphenyl ethers, Quaternated. P. L. de Benneville, L. J. Armstrong, and L. H. Bock. 2,499,213, Feb. 28.
3,5-substituted 4,6-dimethyl-2-pyridones. W. F. Bruce. 2,516,673, July 25.
3,4-bis-(m-methyl-p-hydroxyphenyl)-hexane. V. Niederl and A. Bloom. 2,520,052, Aug. 22.
3,4-dicarboxy-2-furan-alkanols and derivatives thereof. K. Hofmann. 2,527,421, Oct. 24.
3,4-thiolanedithione. S. J. Lukasiewicz. 2,515,927, July 18.
3-halo-2-methylquinoline, Making a. J. B. Dickey and F. C. Dunnebier. 2,507,146, May 9.
3-keto-4-acylamido-tetrahydrothiophene. S. A. Harris. 2,508,457, May 23.
3-(lower acyl)amino-3-carbalkoxy-2-piperidones, Production of a. N. F. Albertson and S. Archer. 2,496,326, Feb. 7.
3-methyl-hexen(2)-yne(5) derivatives. A. Businger. 2,529,482, Nov. 14.
3-monocarboxylic acids, -2-thiono-thiazines and their production. R. A. Mathes and F. D. Stewart. 2,514,004, July 4.
Three-phase product-responsive relay. A. C. Mehring. 2,501,346, Mar. 21.
3-phenyl-2-piperidones. L. A. Walter and R. H. Barry. 2,524,643, Oct. 3.
3-phosphonopropane-1,1,-dicarboxylic acid esters and preparation. P. O. Tawney. 2,535,173, Dec. 26.
3'-bromo-4'-methyl-2-benzoylbenzoic acid, Preparation of. R. C. Franklin. 2,519,037, Aug. 15.
Three-side lock snap fastener. H. S. van Buren, Jr. 2,523,241, Sept. 19.
3,6-bis dichloroethyl-2,5-diketopiperazine derivatives and hydrolysis products thereof. J. A. Stekol. 2,501,455, Mar. 21.
3,6-epoxy-1,2,3,6-tetrahydrophthalonitriles. D. T. Mowry. 2,503,206, Apr. 4.
3-sulfanilamido-benzotriazines-1,2,4 and their preparation. F. J. Wolf and K. Pfister, III. 2,496,364, Feb. 7.
3-thienylacetic acid. E. E. Campaigne and W. M. Le Suer. 2,513,140, June 27.
3-vinylpyrene and preparing the same. R. G. Flowers. 2,496,867, Feb. 7.
Thresher with leveling platform, Harvester. H. L. Waterman. 2,504,289, Apr. 18.
Threshhold device for indicating changes in the oxygen content of air, Visibility. J. C. Hartley. 2,506,591, May 9.
Throatplate for sewing machines. F. F. Zeier. 2,500,731, Mar. 14.
Thrombin, Preparation of. A. Szent-Gyorgyi, K. Laki, and M. Gerendás. 2,495,298, Jan. 24.
Thromboplastin as testing agent. L. A. Kazal. 2,516,216, July 25.
Throttle and propeller pitch changing control for aircraft, Interlocking. A. G. Forsyth. 2,500,811, Mar. 14.
Throttle control. N. E. Wahlberg and J. F. Sladky. 2,504,286, Apr. 18.

Throttle control, Automatic. L. Sobie. 2,533,967–8, Dec. 12.
Throttle control device. P. Siever. 2,532,861, Dec. 5.
Throttle control for a plurality of engines. M. Mallory. 2,521,299, Sept. 5.
Throttle control, Locomotive. S. G. Down. 2,515,951, July 18.
Throttle control system, Automatic. E. L. Krieg. 2,509,358, May 30.
Throttle device. B. Cyr. 2,515,948, July 18.
Throttle, Flexible trigger. C. E. Fitch. 2,493,957, Jan. 10.
Throttle operating mechanism. J. H. Patterson. 2,533,836, Dec. 12.
Throwoff mechanism, Automatic safety. E. M. and C. E. Barnes. 2,504,624, Apr. 18.
Thrust arrangement for railway journal boxes. W. Blackmore. 2,498,521, Feb. 21.
Thrust bearing. L. D. Jennings and J. Naymik. 2,534,910, Dec. 19.
Thrust bearing. A. B. Lakey. 2,507,021, May 9.
Thrust meter. H. M. Conway, Jr. 2,516,855, Aug. 1.
Thrust reversing and speed control for jet propulsion engines. A. W. Martin. 2,509,238, May 30.
Thrust washer. E. S. Russey. 2,523,847, Sept. 26.
Thumbtack. L. Veyret and P. Vanet. 2,495,238, Jan. 24.
Thymyl N-isoamylcarbamate. O. Zima and F. V. Werder. 2,524,185, Oct. 3.
TiO_2 batches color-uniform, Rendering. D. R. Goetchius and E. J. Kelly. 2,514,856, July 11.
Ticket. B. H. Freedman. 2,532,664, Dec. 5.
Ticket and making and applying the same, Strip. F. H. Ogden. 2,532,459, Dec. 5.
Ticket device, Admission. I. Dashkin and H. Randel 2,511,431, June 13.
Ticket issuing device. E. M. Boegner. 2,507,395, May 9.
Ticket issuing machine. N. E. Bowden and K. O. Bundy. 2,511,041, June 13.
Ticket machine. R. I. N. Weingart. 2,529,750, Nov. 14.
Ticket pad. M. H. London. 2,525,918, Oct. 17.
Ticket-printing and issuing machine. J. Handley. 2,527,996, Oct. 31.
Ticket stacking machine. R. I. N. Weingart. 2,504,770, Apr. 18.
Tie and connector, Combination bale. A. S. Mackenzie. 2,528,376, Oct. 31.
Tieback, Curtain. S. A. Lind. 2,498,925, Feb. 28.
Tie, Drop wire. W. A. Daniels. 2,521,452, Sept. 5.
Tie for wall forms. A. H. Symons. 2,507,061, May 9.
Tie form. L. Zussman. 2,522,977, Sept. 19.
Tie knot former. V. M. Newman. 2,529,957, Nov. 14.
Tiepin. M. F. Grabowska. 2,514,237, July 4.
Tie plate and rail retaining structure, Combined. L. Spencer. 2,522,314, Sept. 12.
Tie rack. S. N. Chaika. 2,528,859, Nov. 7.
Tie rack. J. L. Mack, Sr. 2,529,403, Nov. 7.
Tie rack. W. G. Williams. 2,493,936, Jan. 10.
Tie stay. S. Gugino. 2,501,046, Mar. 21
Tie wire twisting and tightening tool. R. W. Piper. 2,494,832, Jan. 17.
Tieless concrete mold. W. E. Mortrude, Jr. 2,523,713, Sept. 26.
Tier for balers, Automatic wire. R. R. Raney and J. H. Bornzin. 2,513,967, July 4.
Tying flies. H. W. Steen. 2,532,961, Dec. 5.
Tying mechanism, Bale. J. L. Barnhill. 2,516,445, July 25.
Tying neckties, Method of and apparatus for. H. C. Riordan and L. Bethke. 2,512,113, June 20.
Tier-lift mechanism, Hydraulically operated. E. J. Abbe. 2,527,384, Oct. 24.
Tight threaded joint. H. L. Willke. 2,505,747, Apr. 25.
Tightener, Belt. S. D. Russell. 2,494,360, Jan. 10.
Tightener, Clothesline. D. G. Chandler. 2,494,085, Jan. 10.
Tightener for clotheslines. G. Carlson. 2,529,327, Nov. 7.
Tightening device for pipe wrenches, Grip. G. H. Clark. 2,495,699, Jan. 31.
Tile and binder for the same. P. O. Powers. 2,529,260–1, Nov. 7.
Tile attached by tape, Wall covering. R. C. Beck. 2,494,157, Jan. 10.
Tile, Electrically heated. W. H. Ross. 2,522,841, Sept. 19.
Tile furnace. E. Blaha. 2,530,595, Nov. 21.
Tile handling and cutoff mechanism. E. Dear. 2,494,037, Jan. 10.
Tilemaking machine. C. M., C. O., and O Lee. 2,497,174, Feb. 14.
Tile, Ornamental. R. H. Stitt. 2,513,972, July 4.
Tile, Plywood floor. W. M. Maxey. 2,516,329, July 25.
Tile, Roofing. C. N. Pretty. 2,510,416, June 6.
Tile setting apparatus. P. Schneider. 2,531,862, Nov. 28.
Tiller, Rotary spiral. C. M. Leaman. 2,513,186, June 27.
Tilling apparatus, Rotary land. H. G. Traver. 2,501,364, Mar. 21.
Tilt compensator for typewriters. H. G. Hartman. 2,533,111, Dec. 5.
Tilt-out mechanism, Radio cabinet. F. M. Shea. 2,522,467, Sept. 12.
Tiltable packing table. F. F. Sutherland. 2,522,588, Sept. 19.
Tiltably mounted waste receptacle. J. G. Winborne. 2,506,533, May 2.
Tilting device, Venetian blind. D. S. Powers. 2,533,505, Dec. 12.
Tilting head press. S. Bolling. 2,496,771, Feb. 7.
Tilting induction furnace. L. L. Johnson. 2,504,840, Apr. 18.
Tilting mechanism for Venetian blinds. J. L. Hunter. 2,498,079, Feb. 21.
Tilting type electric induction furnace. I. Harter, Jr., and S. O. Evans. 2,520,598, Aug. 29.
Tiltometer system. W. C. Anderson. 2,520,297, Aug. 29.
Timber drag. A. K. Hovey-King and J. H. Lockhart. 2,518,322, Aug. 8.
Timber joint. F. J. Horatschke and R. W. Hering. 2,524,911, Oct. 10.
Timber, Mine. M. J. Mechling. 2,510,593, June 6.
Timber-sawing machine, Self-propelled two-wheel. R. F. Moss and F. J. Miller. 2,524,466, Oct. 3.
Time announcing system. E. S. Peterson. 2,530,076, Nov. 14.
Time control device. L. G. Hamilton. 2,501,274, Mar. 21.
Time-controlled electric switch. D. Morrison and J. J. Everard. 2,528,841, Nov. 7.
Time-controlled means for automatic radio tuning. J. La Via, Jr. 2,495,530, Jan. 24.
Time-controlled mechanism, Automatic electric. W. L. Jacke. 2,505,119, Apr. 25.
Time-delay circuit. S. H. Dike. 2,509,910, May 30.
Time-delay device, Magnetostrictive. E. Labin and D. D. Grieg. 2,495,740, Jan. 31.
Time-delay device, Mechanical. G. W. Norris. 2,512,369, June 20.
Time delay for circuit breaker trip mechanisms, Escapement type. H. C. Graves, Jr. 2,503,154, Apr. 4.
Time delay mechanism, Mechanical. H. R. Evans and D. L. Schubert. 2,497,874, Feb. 21.
Time-delay mechanism, Series. J. D. Wood. 2,499,082, Feb. 28.
Time delay network, Elongated coil. H. A. Wheeler. 2,522,731, Sept. 19.
Time-delay relay. C. L. Mershon. 2,500,956, Mar. 21.
Time-delay system, Multiple-reflecting. M. J. Di Toro. 2,522,706, Sept. 19.
Time determining device. R. G. Sagebeer. 2,513,110, June 27.
Time difference indicating system, Relative. M. E. Buehler. 2,514,369, July 11.
Time division multiplex system. W. D. Houghton. 2,518,013, Aug. 8.
Time division system for modulated pulse transmission. G. W. Gilman. 2,530,957, Nov. 21.
Timekeeping apparatus, Secondary. R. B. Johnson and E. F. Geiger. 2,510,583, June 6.
Timepiece regulator. O. E. Dubois. 2,508,940, May 23.
Timepiece regulator. F. Fengler. 2,524,902, Oct. 10.
Timepiece with electromagnetic winding device. E. Steinmann. 2,519,713, Aug. 22.
Timepiece with oil shield, Electromagnetic. J. Berge. 2,531,966, Nov. 28.
Time switch. K. J. Ylinen. 2,524,338, Oct. 3.
Time switch rider. F. W. Truesdell. 2,535,001, Dec. 19.
Timetable and the like. S. S. Lucas. 2,500,001, Mar. 7.
Timer. J. H. Booth. 2,529,480, Nov. 14.
Timer. E. C. Hartwig. 2,533,318, Dec. 12.
Timer. R. G. Olson. 2,497,466, Feb. 14.
Timer-actuator. W. H. Kuntz. 2,525,607, Oct. 10.
Timer, Adjustable automatic interval. J. B. Marls. 2,530,622, Nov. 21.
Timer and synchronizing signal generator. E. H. Schoenfeld. 2,515,613, July 18.
Timer, Automatic valve. J. M. Walling. 2,511,184, June 13.
Timer, Clock. H. C. Wintle. 2,534,155, Dec. 12.
Timer, Coin-operated. R. R. Goebel. 2,522,755, Sept. 19.
Timer, Electric. L. P. Benjamin. 2,529,371, Nov. 7.
Timer, Electronic. T. K. Riggen. 2,494,520, Jan. 10.
Timer, Electronic. A. J. Ruiz and E. J. Kupjack. 2,534,299, Dec. 19.
Timer, Electronic. B. F. Tellkamp. 2,515,477, July 18.
Timer, Electronic interval. E. E. Moyer and J. S. Quill. 2,494,352, Jan. 10.
Timer, Electronic sequence. E. C. Hartwig. 2,533,369, Dec. 12.
Timer for automatically defrosting refrigerators. D. Morrison. 2,530,985, Nov. 21.
Timer for protection of X-ray tubes, Limit. R. H. Morgan and P. C. Hodges. 2,504,865, Apr. 18.
Timer, Interval. G. W. Carmichael. 2,497,584, Feb. 14.
Timer, Low-frequency seam. J. R. Parsons and E. C. Hartwig. 2,508,467, May 23.
Timer, Manually preset. D. Morrison. 2,521,301, Sept. 5.
Timer, Milker. W. H. Harstick. 2,524,194, Oct. 3.
Timer, Milking. L. J. Schilling. 2,534,927, Dec. 19.
Timer, Process. L. T. Akeley. 2,525,440, Oct. 10.
Timer, Process. G. W. Sprenger. 2,510,666, June 6.
Timer, Sequence weld. E. C. Hartwig. 2,498,269, Feb. 21.
Timer, Snap-action rotary. C. H. MacIntyre. 2,518,628, Aug. 15.
Timer, Stoker. S. Crum. 2,504,002, Apr. 11.
Timer, Weld. J. Kurtz and J. D. Waldie. 2,528,835, Nov. 7.
Timing and recycling apparatus, Automatic. M. L. Riggs. 2,526,421, Oct. 17.
Timing and signaling system for soup heating cups. D. Morrison. 2,509,693, May 30.

Timing apparatus. R. H. Lehde. 2,531,138, Nov. 21.
Timing apparatus, Electronic. H. T. Gittings, Jr. 2,502,450, Apr. 4.
Timing apparatus, Flight. H. Batt. 2,511,763, June 13.
Timing apparatus, Sequence. C. W. Thomas and C. E. Smith. 2,493,839, Jan. 10.
Timing chain. N. C. Bremer. 2,498,788, Feb. 28.
Timing circuit. W. H. T. Holden. 2,519,247, Aug. 15.
Timing control, Electrical. H. I. Stanback and E. G. Anger. 2,534,385, Dec. 19.
Timing control for internal-combustion engines, Ignition. M. Mallory. 2,532,069, Nov. 28.
Timing control system. C. Boger. 2,496,574, Feb. 7.
Timing control system. G. E. Undy. Re. 23,208, Mar. 14.
Timing device. R. J. Kinney. 2,511,347, June 13.
Timing device. J. F. Merkel. 2,507,989, May 16.
Timing device. O. H. Niendorff. 2,535,809, Dec. 26.
Timing device. V. Trad. 2,533,410, Dec. 12.
Timing device, Engine. A. B. Rauscher. 2,495,765, Jan. 31.
Timing device for feeding articles from multiple to single rows. R. M. McPherson. 2,535,859, Dec. 26.
Timing device for folding machines. T. J. Doran. 2,516,454, July 25.
Timing device for internal-combustion engines. A. K. Wihanto. 2,521,887, Sept. 12.
Timing device for washing machines. T. R. Smith. 2,535,168, Dec. 26.
Timing device, Thermal. P. J. McCullough. 2,508,464, May 23.
Timing light. R. Graves. 2,517,302, Aug. 1.
Timing mechanism. P. H. Conradson. 2,530,599, Nov. 21.
Timing mechanism. R. L. Coultrip. 2,521,693, Sept. 12.
Timing mechanism. M. H. Kaefer and E. S. Bassett. 2,502,220, Mar. 28.
Timing mechanism. T. Rapp. 2,535,371, Dec. 26.
Timing mechanism, Electrically synchronized. J. J. Kennedy and R. Olinger. 2,535,214, Dec. 26.
Timing mechanism, Electrically synchronized. J. J. Kennedy and E. A. Treager. 2,499,223, Feb. 28.
Timing mechanism, Exposure. J. Bolsey. 2,508,935, May 23.
Timing mechanism for automatic folders. H. D. and H. E. Abell. 2,524,415, Oct. 3.
Timing mechanism for fluid applying windshield wipers. T. J. Smulski. 2,502,180, Mar. 28.
Timing modulation. M. H. Mesner. 2,507,170, May 9.
Timing, Photographic exposure. L. E. Varden. 2,501,365, Mar. 21.
Timing relay. C. W. Kuhn and T. F. Rosing. 2,506,225, May 2.
Timing switch. O. J. Alvarez. 2,531,491, Nov. 28.
Timing system, Electrical. A. W. Haydon. 2,506,784, May 9.
Timing system, Electronic. H. F. Mayer. 2,497,681, Feb. 14.
Timing system, Electronic synchronous. W. H. Elliot. 2,511,628, June 13.
Timing system, Race. J. B. Ferrara. 2,497,541, Feb. 14.
Timing the holding period of pasteurizers, Method of and apparatus for. R. E. Olson. 2,501,960, Mar. 28.
Tin plate, Manufacture of. N. C. George and R. C. Haab. 2,497,164, Feb. 14.
Tinning a steel shell bearing. J. H. Clawson. 2,498,485, Feb. 21.
Tinning copper wire. C. J. Snyder and W. G. MacLelland. 2,515,022, July 11.
Tinning machine. G. W. Lathem and H. C. Rodgers. 2,527,744, Oct. 31.
Tine, Self-cleaning. C. W. Kelsey. 2,502,094, Mar. 28.
Tip assembly for parachute projectiles. A. L. Ruthven. 2,523,064, Sept. 19.
Tip for cutting blowtorches. E. H. Smith. 2,531,006, Nov. 21.
Tip for cutting torches. D. A. Marra. 2,514,777, July 11.
Tip for dividers, Extensible. E. B. Dewey. 2,510,805, June 6.
Tipover device. H. W. Hedburg. 2,499,499, Mar. 7.
Tipproof bottleholder. T. J. Braham. 2,510,545, June 6.
Tip structure for gas torches. J. D. Walters and J. T. Muenzmay. 2,496,923, Feb. 7.
Tip-up for ice fishing. L. E. Easterday. 2,530,864. Nov. 21.
Tipup, Ice fishing. J. W. Grohs. 2,496,090, Jan. 31.
Tipping device for containers. E. T. Walton. 2,499,338, Feb. 28.
Tipping-off operation and product. R. O. Morse and J. W. Nuttall. 2,496,303, Feb. 7.
Tire. S. Khalil. 2,525,752, Oct. 10.
Tire. E. T. Lessig. 2,498,859, Feb. 28.
Tire. L. B. Miller. 2,523,583, Sept. 26.
Tire and mounting the same. R. B. Calcutt and H. Steiner. 2,500,342, Mar. 14.
Tire and tread therefor, Vehicle. C. L. Beward. 2,501,493, Mar. 21.
Tire and wheel, Pneumatic. E. P. Zere. 2,517,521, Aug. 1.
Tire, Antiskid pneumatic. C. J. Burkley. 2,496,932, Feb. 7.
Tire applying device. J. M. Miller. 2,514,781, July 11.
Tire, Automobile. H. A. Hewitt. 2,515,958, July 18.
Tire bead and rim separating hand tool. J. P. Streeh and L. M. Gish. 2,509,945, May 30.
Tire bead breaking device, Axially collapsing type. M. D. Butterfield and L. W. Mullins. 2,534,950, Dec. 19.
Tire bead loosener, Portable lever operated. H. C. Kuhlmann. 2,501,225, Mar. 21.
Tire bead loosening device, Collapsible. E., and H. Weeks. 2,523,979, Sept. 26.
Tire bead loosening device, Fluid pressure actuated. R. W. Winstead. 2,506,007, May 2.
Tire building and material used therein. H. Dreyfus. 2,494,649, Jan. 17.
Tire building machine. F. S. Sternad and J. P. Sapp. 2,496,137, Jan. 31.
Tire carrier. H. E. Simi. 2,494,411, Jan. 10.
Tire casing, Wire fabric. A. E. Benson. 2,501,372, Mar. 21.
Tire chain. P. E. Bergen. 2,498,523, Feb. 21.
Tire chain. F. E. Miller. 2,507,037, May 9.
Tire chain and attachment means therefor. H. Prehn. 2,493,263, Jan. 3.
Tire chain applying device. A. L. Bozzelli. 2,497,975, Feb. 21.
Tire chain installer and car mover. L. E. Cone. 2,532,149, Nov. 28.
Tire chain release device. M. B. Herbrick. Re. 23,289, Oct. 31.
Tire-changing apparatus, Circumferentially traveling type. S. S. Watkins. 2,497,644, Feb. 14.
Tire construction, Pneumatic rubber. R. G. Olson. 2,521,305, Sept. 5.
Tire, Cushion. H. E. Drennan. 2,506,861, May 9.
Tire deflation indicator. A. R. Murat. 2,499,669, Mar. 7.
Tire deflation indicator. P. Siever. 2,532,199, Nov. 28.
Tire handling device. E. I. Butler, W. N. Madsen, and K. H. Tidrick. 2,521,149, Sept. 5.
Tire, Industrial truck. H. M. Bacon. 2,525,196, Oct. 10.
Tire inflation device. R. S. Wallach. 2,498,596, Feb. 21.
Tire inflation indicator. L. Eriksen and C. Young. 2,524,968, Oct. 10.
Tire inverter. C. E. Branick. 2,525,114, Oct. 10.
Tire iron with antifriction bearings. G. W. Lowry. 2,508,069, May 16.
Tire, Liquid-filled. C. O. Slemmons. 2,526,164, Oct. 17.
Tire loosening tool. S. Boger and D. V. Davis. 2,535,562, Dec. 26.
Tire loosening tool. K. L. Northrup and R. T. Hedfield. 2,520,330, Aug. 29.
Tire making machine. C. E. Powers. 2,529,739, Nov. 14.
Tire making machine, Pneumatic. A. Fröhlich. 2,503,815, Apr. 11.
Tire, Motor vehicle. B. G. Jones. 2,534,869, Dec. 19.
Tire mounting and demounting device, Axially shifting type hydraulic. E. T. Haecker. 2,534,594, Dec. 19.
Tire mounting apparatus, Circumferentially traveling support mounted. R. D. Henderson. 2,534,515, Dec. 19.
Tire, Pneumatic. P. M. Bourdon. 2,493,614, Jan. 3.
Tire, Pneumatic. S. Khalil. 2,524,808, Oct. 10.
Tire, Pneumatic. J. W. Waber. 2,493,047, Jan. 3.
Tire, Pneumatic. M. Watter. 2,493,731, Jan. 3.
Tire pressure alarm switch. A. Fernandez-Yañez y Martinez del Campo and J. Fernandez-Yañez y Ozores. 2,520,353, Aug. 29.
Tire pressure gauge. C. P. Potts. 2,529,813, Nov. 14.
Tire pressure indicator. W. J. and W. H. Flanery. 2,502,515, Apr. 4.
Tire pressure switch. W. G. Phelps. 2,494,831, Jan. 17.
Tire, Puncture resisting pneumatic vehicle. O. Puma. 2,516,415, July 25.
Tire relief valve. E. Payne. 2,510,192, June 6.
Tire relief valve. E. Payne. 2,517,917, Aug. 8.
Tire remover and applier, Axially shifting type, fluid pressure operated. J. B. Compton. 2,519,114, Aug. 15.
Tire remover, Axially shifting type jack operated. P. C. Johnson. 2,508,520, May 23.
Tire removing apparatus, Central screw operated multiple arm. W. H. McCollister. 2,495,118, Jan. 17.
Tire removing apparatus, Circumferentially distributed thrust type. R. F. Daw and H. R. Fletcher. 2,518,126, Aug. 8.
Tire removing device. J. I. Larman. 2,532,412, Dec. 5.
Tire removing device, Axially shifting type. V. E. Hauta. 2,528,362, Oct. 31.
Tire removing device, Axially shifting type pedestal mounted. G. C. Horton and C. Kitchens. 2,500,285, Mar. 14.
Tire removing device, Axially shifting type screw actuated. F. A. Koester. 2,512,864, June 27.
Tire removing machine, Axially shifting type adjustable. J. H. Tillotson. 2,504,760, Apr. 18.
Tire removing machine, Axially shifting type fluid pressure operated. J. A. Smyser. 2,513,756, July 4.
Tire removing tool. R. O. Barnett. 2,513,707, July 4.
Tire removing tool. C. R. Miess. 2,527,102, Oct. 24.
Tire repair unit. C. A. Cornell. 2,512,309, June 20.
Tire rim, Separable. L. J. Ebert. 2,532,764, Dec. 5.
Tire, Steelflex. R. Battaglia. 2,523,182, Sept. 19.
Tire strap puller. R. M. Owen, Jr. 2,497,956, Feb. 21
Tire traction cover. A. and J. Leach. 2,535,299, Dec. 26.
Tire tread. P. E. Bergen. 2,511,690, June 13.
Tire tread. P. E. Hawkinson. 2,502,521, Apr. 4.
Tire tread. P. E. Hawkinson. 2,526,746, Oct. 24.
Tire tread. E. A. Saley. 2,497,518, Feb. 14.
Tire tread, Antiskid. J. Solomon and D. Black. 2,513,064, June 27.

Tire tread applying machine. E. A. Glynn. 2,498,953, Feb. 28.
Tire tread, Pneumatic. M. C. Overman. 2,501,828, Mar. 28.
Tire tube holder. G. M. Anderson. 2,509,328, May 30.
Tire, Tubeless. R. R. Sutton. 2,530,213, Nov. 14.
Tire, Vehicle. I. Greene. 2,523,695, Sept. 26.
Tire, Vehicle. A. H. Nellen. 2,505,137, Apr. 25.
Tires, Making pneumatic. G. K. McNeill. 2,497,226, Feb. 14.
Tires, Making vaned. R. W. Hursh. 2,497,774, Feb. 14.
Tissue container. A. Lorrance. 2,519,261, Aug. 15.
Tissues and dispenser therefor, Folded. D. C. Taggart. 2,529,853, Nov. 14.
Titanate composition. E. Wainer. 2,525,627, Oct. 10.
Titanation of polyvinyl alcohol. F. K. Signaigo. 2,518,193, Aug. 8.
Titanium carbide article. H. R. Montgomery. 2,496,671, Feb. 7.
Titanium carbide, Making. P. M. McKenna. 2,515,463, July 18.
Titanium dioxide pigment from high titanium dioxide content slags, Production of. S. P. Todd, M. L. Myers, and W. J. Cauwenberg. 2,531,926, Nov. 28.
Titanium dioxide pigments, Preparation of. C. A. Tanner, Jr. 2,503,692, Apr. 11.
Titanium dioxide, Preparation of. L. Merker and H. Espenschied. 2,521,392, Sept. 5.
Titanium dioxide, Production of. H. H. Schaumann. 2,502,347, Mar. 28.
Titanium dioxide, Production of. C. A. Tanner, Jr. 2,505,344, Apr. 25.
Titanium dioxide, Production of rutile. L. E. Ross and C. A. Tanner, Jr. 2,494,492, Jan. 10.
Titanium oxide pigment production. R. M. McKinney. 2,507,729, May 16.
Titanium oxide pigment production. C. M. Olson and J. E. Booge. 2,511,218, June 13.
Titanium oxide pigments, Production of. A. J. Werner. 2,512,079, June 20.
Titanium tetraiodide, Production of. A. C. Loonam. 2,519,385, Aug. 22.
Toaster. J. Themascus, Sr. 2,526,437, Oct. 17.
Toaster and control or timing mechanism. G. Molmans. 2,517,697, Aug. 8.
Toaster and the like, Automatic electric. A. B. Poole and P. H. Morganson. 2,532,569, Dec. 5.
Toaster, Automatic electric barbecue and bread. G. P. Andrews. 2,499,558, Mar. 7.
Toaster, Bread. A. T. Scott. 2,512,388, June 20.
Toaster, Electric. G. P. Daiger. 2,527,708, Oct. 31.
Toaster, Electric. E. J. Fitzgerald. 2,515,866, July 18.
Toaster, Electric. W. H. Kitto. 2,502,655, Apr. 4.
Toaster, Electric. B. F. Parr. 2,500,767, Mar. 14.
Toaster, Electric bread. C. L. Robinson and R. H. Lillyblad. 2,512,503, June 20.
Toaster, Sausage. F. S. Lopes. 2,506,931, May 9.
Toaster structure. J. Pavelka. 2,503,967, Apr. 11.
Toaster unit for electric ranges, Built-in. J. F. Pavnica. 2,504,445, Apr. 18.
Tobacco can. J. Henchert. 2,511,634, June 13.
Tobacco cartridge for smoking pipes. L. Beiser. 2,529,902, Nov. 14.
Tobacco container. J. Krohn. 2,522,952, Sept. 19.
Tobacco curing apparatus. J. E. Chestnutt. 2,533,092, Dec. 5.
Tobacco package, Sealed. T. E. Piazze. 2,528,778, Nov. 7.
Tobacco pipe. J. Davey. 2,503,713, Apr. 11.
Tobacco press. S. Hathaway and H. A. Bost. 2,499,310, Feb. 28.
Tobacco smoke conditioning device. W. J. Heiland. 2,503,110, Apr. 4.
Tobacco stemming. L. N. Dibrell, Jr. 2,509,488, May 30.
Toe protector. I. Kiwad. 2,531,851, Nov. 28.
Toe separating device. S. Maynier. 2,506,308, May 2.
Toe terminus indicator. R. S. Wehler. 2,527,168, Oct. 24.
Toggle actuated and adjustably mounted pivoted jaw wrench. V. S. Ward and G. K. Hurlbut. 2,500,590, Mar. 14.
Toggle actuated and adjustably mounted pivoted jaw wrench. V. S. Ward and G. K. Hurlbut. 2,503,783, Apr. 11.
Toggle-actuated plier-type wrench. D. R. Albrecht. 2,525,630, Oct. 10.
Toggle actuated slidable jaw wrench. A. A. Koskinen. 2,533,817, Dec. 12.
Toggle block adjusting device for jaw crushers. H. J. Shelton. 2,532,678, Dec. 5.
Toggle-lever switch. A. Käser. 2,528,756, Nov. 7.
Toggle means for jaw crushers. D. H. Young. 2,500,109, Mar. 7.
Toggle mechanism for water control valves for toilet flush boxes. W. M. Hohner. 2,504,022, Apr. 11.
Toggle mechanism, Spring. A. G. Stimson. 2,496,896, Feb. 7.
Toggle operating mechanism for valves. E. P. De Craene, R. Fennema, and F. J. Cantalupo. 2,515,498, July 18.
Toggle, Self-breaking. O. H. May. 2,532,850, Dec. 5.
Toilet. M. F. Moen. 2,503,962, Apr. 11.
Toilet and bedpan, Combination flush-type. I. Levin. 2,527,270, Oct. 24.
Toilet article. I. Florman. 2,521,630, Sept. 5.
Toilet bowl cleaner. J. W. Pape and G. S. Santmyers. 2,497,057, Feb. 7.
Toilet case. L. C. Davis. 2,525,209, Oct. 10.
Toilet, Marine. A. R. Gross, Jr. 2,501,510, Mar. 21.
Toilet paper container. S. Moskowitz. 2,534,290, Dec. 19.
Toilet paper dispenser. E. Lankford, Jr. 2,500,254, Mar. 14.
Toilet paper holder. A. F. Carlin. 2,499,815, Mar. 7.
Toilet paper holder. G. Janonis. 2,518,328, Aug. 8.
Toilet paper holder. S. M. Kandarian. 2,533,018, Dec. 5.
Toilet paper roll holder. S. J. Miller. 2,493,893, Jan. 10.
Toilet powder dispenser. J. M. Smith. 2,500,500, Mar. 14.
Toilet seat. E. Rocker. 2,493,362, Jan. 3.
Toilet tissue holder. C. E. and H. W. Hartley. 2,528,055, Oct. 31.
Toilet, Vented. C. C. Roselle. 2,526,278, Oct. 17.
Toilet, Ventilated. A. P. Riedele. 2,519,286, Aug. 15.
Token-actuated mechanism. W. E. Snell, H. E. Frantz, Jr., and F. A. Hignutt. 2,531,236, Nov. 21.
Tolerance-limit comparator gauge. C. W. Warren and H. J. Landay. 2,508,051, May 16.
Toller, Church bell. A. C. J. Roy. 2,523,970, Sept. 26.
Tone arm. J. R. Carris. 2,529,676, Nov. 14.
Tone arm actuator. J. F. Kimball. 2,514,548, July 11.
Tone arm carriage. E. R. De Weese. 2,532,293, Dec. 5.
Tone arm control mechanism. C. B. Dale. 2,509,811, May 30.
Tone arm for multispeed record players, Universal. L. J. Andres. 2,526,188, Oct. 17.
Tone arm mounting. C. B. Dale. 2,496,382, Feb. 7.
Tone-arm mounting. W. J. Faulkner. 2,513,555, July 4.
Tone arm, Phonograph. F. Raffles. 2,499,343, Feb. 28.
Tone arm protecting mechanism. B. R. Kamler. 2,532,555, Dec. 5.
Tone arm restoring mechanism for different sized records. A. E. Scriven and B. Van Every. 2,504,596, Apr. 18.
Tone arm return mechanism. S. G. Falk. 2,508,019, May 16.
Tone control and feedback circuits for audio frequency amplifiers. E. Watkinson. 2,514,267, July 4.
Tone control circuit. C. D. Knight. 2,506,365, May 2.
Tone control circuit. M. H. Mesner. 2,505,254, Apr. 25.
Tone control, Studio. P. F. G. Holst. 2,500,493, Mar. 14.
Tone keyer control circuit. W. H. Bliss. 2,495,805, Jan. 31.
Tone mellower. W. F. Holland. 2,501,388, Mar. 21.
Tone modifier for drums. W. D. Gladstone. 2,495,451, Jan. 24.
Tone modifier, Musical. W. D. Gladstone. 2,495,450, Jan. 24.
Tone volume range control device for reed instruments. L. E. Gamble. 2,499,855, Mar. 7.
Toner manufacture. A. F. Schmutzler, and D. F. Othmer. 2,525,834, Oct. 17.
Tong and guide, Diamond cutter's. J. Spira. 2,527,592, Oct. 31.
Tong tool. J. E. Bartrug. 2,517,275, Aug. 1.
Tongs. H. R. Hansen, Jr. 2,533,795, Dec. 12.
Tongs, Casing. O. Colquitt. 2,495,834, Jan. 31.
Tongs for concrete blocks, Lifting. G. Carlson. 2,507,368, May 9.
Tongs for forehearth skimmer blocks and the like. F. N. Dailey. 2,533,770, Dec. 12.
Tongs for suspending a paint can or the like. R. C. Morris. 2,507,675, May 16.
Tongs, Hoisting. R. W. Weeks and R. L. Black. 2,515,918, July 18.
Tongs, Lifting. E. Y. Shaboo. 2,520,815, Aug. 29.
Tongs, Locomotive tire. J. P. Curley. 2,509,484, May 30.
Tongs, Package lifting. J. F. Baribault. 2,503,430, Apr. 11.
Tongs, Pipe rotating. W. E. Gean. 2,510,813, June 6.
Tongs, Poultry. J. D. Bennek. 2,517,168, Aug. 1.
Tongs, Wire. J. J. Habeck. 2,508,823, May 23.
Tongue and groove interfitting brush holder clamp, Transversely adjustable. A. W. Fry. 2,514,371, July 11.
Tonometer. E. J. Sovatkin. 2,520,223, Aug. 29.
Tonometer head. M. Mages. 2,519,681, Aug. 22.
Tool: *See*—
Abrasive tool.
Adjustable tolerance measuring tool.
Arm supported universal portable power tool.
Automatic machine tool.
Automatic undercutting and grooving tool.
Automobile tool.
Bead loosening tire tool.
Belt installing tool.
Board removing tool.
Body and fender tool.
Bolt placing tool.
Bore finishing tool.
Boring tool.
Bottle cap lifting and retaining tool.
Box strapping tool.
Brake pin tool.
Brake spring tool.
Broaching tool.
Brush grinder tool.
Bucker tool.
Camber adjusting tool.
Can opening and spout forming tool.
Clockmaker's tool.
Combination chain saw servicing tool.
Combination hand tool.
Combination siding, wrecking, and nail extracting tool.
Combination well tool.
Combination wire-stretching tool.
Combined tool.
Compass tool.
Connecting rod tool.
Corner truing tool.
Countersinking tool.

Tool: *See*—Continued.
Crankpin turning tool.
Crankpin working machine tool.
Crankshaft refinishing tool
Cutting tool.
Deburring tool.
Dovetail tool.
Drilling tool.
Dual-purpose, wand actuated suction cleaner tool.
Dual spindle machine tool.
Earth boring tool.
Edge tool.
Electric heating tool.
Electrically heated tool.
Electromagnetic fishing tool.
Enamel insulation stripping tool.
Engine lifting tool.
Eviscerating tool.
Expansion and contraction tool.
Eye-screw driving tool.
Facing tool.
Fastener removal tool.
Faucet valve seat dressing tool.
Fin peening tool.
Flaring tool.
Fluid actuated reciprocating tool.
Fluid control and by-pass tool.
Flywheel rotating tool.
Formation testing tool.
Forming tool.
Fowl cleaning tool.
Frost removing tool.
Garden tool.
Gauging tool.
Glass breaking hand tool.
Grab tool.
Gripping or cutting hand tool.
Gripping tool.
Groove cutting tool.
Grooving tool.
Hairspring overcoil raising tool.
Hammer tool.
Hand abrading tool.
Hand cultivating tool.
Heated forming tool.
Hole-drifting and tube-expanding tool.
Hose clamping tool.
Hydraulic machine tool.
Illuminated electromagnetic valve keeper tool.
Illuminated hand held motor tool.
Insulation removing tool.
Internally applied expanding gripping tool.
Jar and tumbler cap lifting and removing tool.
Jewel-setting tool.
Kitchen tool.
Lathe tool.
Leather-cutting tool.
Lens-adjusting tool.
Lifter tool.
Litter handling tool.
Machine tool.
Magazine tool.
Magnetic fishing tool.
Mechanic's tool.
Metal-working tool.
Milling tool.
Motor-driven hand tool.
Motor tool.
Multiple use household tool.
Nut and washer placing tool.
Oil well fishing tool.
Package binding tool.
Paper hanger's tool.
Paper smoothing tool.
Pedal depressor tool.
Percussive type fender and body shaping hand tool.
Photograph negative etching tool.
Pickup tool.
Pinfeather tool.
Pipe aligning tool.
Pipe-cutting tool.
Pipe layout tool.
Piston ring tool.
Plasterer's tool.
Poising and balancing tool.
Portable bucking tool.
Portable machine tool.
Portable power tool.
Portable vibrator-type tool.
Poultry eviscerating tool.
Power-driven rotary hand guided cutting tool.
Power-operated hand tool.
Pulling tool.
Radius tool.
Rail-handling tool.
Razing tool.
Reaming tool.
Rethreading tool.
Retrieving tool.
Ridge grinding tool.
Ripper tool.
Ripping tool.
Rotary cylinder abrading tool.
Rotary drilling tool.
Rotary impact tool.
Rotary impact type turning tool.
Routing tool.
Rubber ring expanding tool.
Safety fuse tool.
Sample extracting tool.
Saw setting tool.
Scalp massaging tool.
Scoring tool.
Scribing tool.
Shaping tool.
Sheet metal cutting tool.
Sheet metal straightening tool.
Shingling and rock lathing tool.
Side wall coring tool.
Snap ring tool.
Socket assembly tool.
Soldering tool.
Spring ejecting tool.
Spring loaded tool joint dressing tool.
Spring shackle tool.
Stair layout tool.
Stapling tool.
Stone setting tool.
Striping tool.
Stud extractor tool.
Stud or valve setting tool.
Stud removing tool.
Switch cleaning tool.
Thread-chasing tool.
Thread pulling tool.
Tie wire twisting and tightening tool.
Tire bead and rim separating hand tool.
Tire loosening tool.
Tire removing tool.
Tong tool.
Torch-guiding tool.
Torque tool.
Tracer controlled machine tool.
Trim strip applicator tool.
Trimming tool.
Troweling tool.
Tubing and rod handling tool.
Tubular type oil well fishing tool.
Unitary flaring tool.
Universal machine tool.
Valve grinding tool.
Valve stem dislodging tool.
Valve tool.
Visible precision bearing testing tool.
Vulcanizing tool.
Washover, cutter and fish removing tool.
Weather strip installation tool.
Well drilling guide tool.
Well tool.
Wheel changing tool.
Wire-cutting tool.
Wire stretching tool.
Yielding torque indicating tool.
Tool. J. A. Bradner. 2,512,241, June 20.
Tool. H. M. Curl. 2,514,121, July 4.
Tool. A. R. Hite. 2,497,170, Feb. 14.
Tool. S. Low. 2,513,881, July 4.
Tool. C. G. Pardee. 2,494,829, Jan. 17.
Tool. I. C. Ross. 2,520,342, Aug. 29.
Tool. J. W. Slayton, Jr. 2,505,726, Apr. 25.
Tool. S. A. Temple. 2,533,851, Dec. 12.
Tool. J. Toth, Sr. 2,504,093, Apr. 11.
Tool. E. A. Zempel. 2,529,988, Nov. 14.
Tool and cutter holder. R. Kennedy. 2,509,152, May 23.
Tool and detachable handle therefor. W. J. Cleary and H. J. Cook. 2,527,492, Oct. 24.
Tool and driving member. D. H. Proctor. 2,503,685, Apr. 11.
Tool and handle attaching means therefor. C. D. Budelman. 2,497,437, Feb. 14.
Tool and holder therefor. J. M. Redinger. 2,533,179, Dec. 5.
Tool and surface-hardening apparatus and method, Combination machine. P. J. Eytalis. 2,513,263, June 27.
Tool and wheel drive control thereby, Vehicle supported. E. P. du Pont. 2,500,168, Mar. 14.
Tool appliance, Percussive. W. H. Moorhead. 2,518,429, Aug. 8.
Tool assemblage, Portable impact. S. Mandl and E. M. Pfauser. 2,499,962, Mar. 7.
Tool attachment, Fishing. W. A. Dickson. 2,504,397, Apr. 18.
Tool bar mount. E. G. Briscoe. 2,530,565, Nov. 21.
Tool box and locking handle. J. M. Miller. 2,519,490, Aug. 22.
Toolbox arrangement in motorcycles and similar vehicles. J. Jozif. 2,504,265, Apr. 18.
Tool chuck, Machine. W. H. Weimer. 2,529,205, Nov. 7.
Tool controlling device for glass cutting machines. E. Brichard. 2,515,076, July 11.
Tool feeding mechanism, Automatic. P. S. Claus and E. J. Readman. 2,518,599, Aug. 15.
Tool for agricultural implements, Hand. L. G. Copeman. 2,528,947, Nov. 7.
Tool for aiding in the removal of fasteners, Dimpling. E. E. Cavallin. 2,508,373, May 23.
Tool for applying connectors to energized transmission lines and the like. D. C. Hubbard. 2,505,186, Apr. 25.
Tool for applying sheet metal nuts to screws or studs. E. S. Snyder and R. A. Johnson. 2,527,157, Oct. 24.
Tool for applying traction devices on wheels. M. H. Doebert. 2,503,473, Apr. 11.
Tool for assembling inserts in hose ends. L. B. Courtot. 2,499,056, Feb. 28.
Tool for attaching tangs to belts. M. Kiessling. 2,495,009, Jan. 17.
Tool for blind rivets, Cutting. H. W. Kugler. 2,526,955, Oct. 24.
Tool for boring and countersinking wood. E. V. Eriksson. 2,529,143, Nov. 7.
Tool for breaking loose tire casing from its rim, Hand. J. H. Fishback. 2,498,075, Feb. 21.
Tool for corner tape, Finishing. R. G. Ames. 2,533,209, Dec. 12.
Tool for crimping tube ends, Hand. F. V. Wood. 2,531,489, Nov. 28.
Tool for cutoff and threading operations and the like. W. A. St. Jean. 2,514,146, July 4.
Tool for dressing or cutting rotating bodies, Preloaded load limiting. F. M. Bley. 2,501,374, Mar. 21.
Tool for emptying shells, Cutting. D. W. Hamlin. 2,517,106, Aug. 1.
Tool for expanding and sizing the ends of metallic tubes. G. E. Franck. 2,493,127, Jan. 3.
Tool for forming end loops on helical springs, Bench. J. L. Smith. 2,500,327, Mar. 14.
Tool for gardening, Hand. A. H. P. Kent. 2,520,413, Aug. 29.
Tool for handling snap rings. S. O. Huntington. 2,518,142, Aug. 8.
Tool for holding abrasive media. R. C. Harrington, Jr. 2,523,697, Sept. 26.
Tool for holding plastic temples while shaping same, Optician's. E. B. Fitler. 2,516,512, July 25.
Tool for holding two pipes in alignment, Plumber's. C. H. Reeves. 2,523,519, Sept. 26.
Tool for inserting and extracting wire coil inserts in and from tapped holes. J. O. Forster. 2,513,792, July 4.
Tool for inserting and removing flexible window sashes, Flexing. C. J. Roos. 2,502,280, Mar. 28.
Tool for insulation, Cutting. J. B. Cataldo and F. J. Dolan. 2,521,688, Sept. 12.
Tool for leveling protuberances in sheet metal. A. L. Mathews. 2,526,380, Oct. 17.
Tool for making and applying wire hose clamps, Hand grip. C. W. Ray. 2,494,963, Jan. 17.
Tool for making cloth-covered buttons, Hand. G. Wolff. 2,520,351, Aug. 29.
Tool for measuring and setting out angles. S. E. Worby. 2,505,928, May 2.
Tool for meat blocks or the like, Rotary scraping. E. B. Hobson. 2,497,941, Feb. 21.
Tool for oil wells, Overshot grab fishing. C. M. Howard. 2,502,567, Apr. 4.
Tool for perforating glass tile. J. F. Iselin. 2,495,971, Jan. 31.
Tool for pipe cleaning, Cutting. A. A. O'Leary. 2,517,227, Aug. 1.

Tool for pulling anchor rods in concrete forms. R. P. Saffioti. 2,525,950, Oct. 17.
Tool for removing and sealing containers. J. D. Byers. 2,521,629, Sept. 5.
Tool for removing lamp bases. J. and M. Shapiro. 2,516,651, July 25.
Tool for removing lamp bases, Expansible. J. and M. Shapiro. 2,516,650, July 25.
Tool for removing tubes from tube sheets. C. O. Evans. 2,507,201, May 9.
Tool for scraping and feathering, Power-operated hand. R. J. Aspeek. 2,503,539, Apr. 11.
Tool for sheet metal workers. W. J. Daly. 2,498,397, Feb. 21.
Tool for spinning over ends of tubular rivets. R. J. Novy. 2,501,576, Mar. 21.
Tool for splicing piano strings. J. A. Hoke. 2,518,617, Aug. 15.
Tool for the fitting of tires to the rims of the wheels of motor vehicles. J. J. Malachowski. 2,521,383, Sept. 5.
Tool for the insertion of studs. J. M. Bagoon. 2,516,288, July 25.
Tool for tightening cannon pinions on watches. M. D. Muxen. 2,514,784, July 11.
Tool for upsetting tubular rivets, Explosively actuated power. G. A. Tincler and R. H. Gill. 2,507,740, May 16.
Tool for use in cleaning fish. R. H. Lindsey. 2,506,227, May 2.
Tool for use in replacing insulators in switch banks. F. W. Clayden and R. E. Coleman, Jr. 2,528,424, Oct. 31.
Tool for vacuum jar caps, Removing. E. G. Boucher. 2,501,205, Mar. 21.
Tool for wells, Fishing. B. R. Schabarum. 2,525,954, Oct. 17.
Tool for wells, Percussion. R. Bassinger. 2,507,585, May 16.
Tool gripping element, Oil well. W. A. Abegg. 2,520,448, Aug. 29.
Tool handle. A. C. Ferguson. 2,498,107, Feb. 21.
Tool handle. C. S. Gates. 2,530,297, Nov. 14.
Toolholder. H. F. Bakewell. 2,527,871, Oct. 31.
Toolholder. J. Berritta. 2,498,148, Feb. 21.
Toolholder. C. I. Bosket. 2,510,544, June 6.
Toolholder. R. Burns. 2,529,372, Nov. 7.
Toolholder. R. A. Garrand. 2,525,216, Oct. 10.
Toolholder. H. N. Girardin. 2,520,205, Aug. 29.
Toolholder. W. T. Howald. 2,517,668, Aug. 8.
Toolholder. F. H. McClernon. 2,505,684–5, Apr. 25.
Toolholder. J. E. Power. 2,515,469, July 18.
Toolholder. E. Reaney. 2,520,655, Aug. 29.
Toolholder. C. E. Rundorff. 2,511,416, June 13.
Toolholder. A. Seafield. 2,516,595, July 25.
Toolholder. W. L. Sitton. 2,519,938, Aug. 22.
Toolholder. L. J. Stibits. 2,505,013, Apr. 25.
Toolholder. H. C. Wilson. 2,496,426, Feb. 7.
Toolholder, Adjustable. F. A. Maxwell. 2,499,151, Feb. 28.
Toolholder, Adjustable. A. Thomas. 2,511,884, June 20.
Tool holder and work stabilizer, Combined lathe. H Guerin. 2,493,286, Jan. 3.
Toolholder, Concave. E. J. Schwab. 2,524,401, Oct. 3.
Toolholder, Flexible. F. Burg. 2,525,646, Oct. 10.
Toolholder for circular thread forming tools. R. Rossetti. 2,523,450, Sept. 26.
Toolholder for drill presses and the like. E. M. Kurtz and J. B. Houston. 2,521,585, Sept. 5.
Toolholder for the saddle of machine tools. C. Rebmann. 2,513,586, July 4.
Toolholder head, Combination. C. L., and C. F. Waite. 2,516,493, July 25.
Toolholder, Light equipped. J. P. Williams. 2,493,796, Jan. 10.
Toolholder, Multiple. F. T. Colsen. 2,526,617, Oct. 24.
Toolholder, Releasing. G. H. Cote. 2,505,030, Apr. 25.
Toolholder, Releasing threading. R. Beacom. 2,528,107, Oct. 31.
Toolholder, Self-releasing. J. R. Miller. 2,505,335, Apr. 25.
Toolholder, Thread-cutting. K. Egli. 2,495,368, Jan. 24.
Toolholder, Threading. E. Frommer. 2,530,162, Nov. 14
Toolholder with adjustable limit stop, Threading. T. R Christopher. 2,532,148, Nov. 28.
Tool joint. J. R. Richardson. 2,535,320, Dec. 26.
Tool joint wear collar. E. G. Boice. 2,513,621, July 4.
Tool kit. S. Doniger. 2,522,213, Sept. 12.
Tool kit, Vacuum cleaner attachment. M. W. Stoops. 2,497,477, Feb. 14.
Tool lift for an agricultural implement. F. N. Sharp. 2,518,386, Aug. 8.
Tool-locating gauge. W. A. St. Germain. 2,495,487, Jan. 24.
Tool mechanism. L. J. Bouchard. 2,493,473, Jan. 3.
Tool mount requiring single operating handle, Universally adjustable. P. F. Carlson. 2,506,440, May 2.
Tool mounting for agricultural implements. W. G. Charley. 2,522,702, Sept. 19.
Tool package. W. S. Moody. 2,530,024, Nov. 14.
Tool post. A. F. Feaster. 2,496,583, Feb. 7.
Tool reciprocating movement. W. E. Stachowlak and L. L. Humble. 2,502,761, Apr. 4.
Tool setting gauge. R. L. Mealey. 2,513,345, July 4.
Tool sharpening machine, Engraver's. S. H. Springman. 2,511,449, June 13.
Tool slide. A. A. Kirkpatrick. 2,525,805, Oct. 17.
Tool spacing device. F. Marbury, Jr. 2,527,019, Oct. 24.
Tool support. R. E. Hunt. 2,529,396, Nov. 7.
Tool to check centrality and alignment of keyways in shafts. W. W. Ablett. 2,494,152, Jan. 10.
Tool to determine angle and length of lips of twist drills. S. M. Goodrich. 2,506,868, May 9.
Tool turret. R. E. Frushour. 2,534,432, Dec. 19.
Tool with electric lock, Explosively actuated driving. R. Temple. 2,501,362, Mar. 21.
Tool with swivel head, Portable. M. Trapet. 2,496,027, Jan. 31.
Tooling machine, Metal foil. E. Farkas and A. Sternberg. 2,508,753, May 23.
Tools, Making. W. F. Georse. 2,511,912, June 20.
Tooth. S. E. Lynn. 2,510,184, June 6.
Toothbrush. R. E. Barr. 2,528,992, Nov. 7.
Toothbrush, Adjustable. W. B. Schroeder. 2,503,134, Apr. 4.
Toothbrush and container therefor, Folding. T. R. Stacey and R. H. Lesner. 2,503,924, Apr. 11.
Toothbrush and dentifrice holder. F. A. Fair. 2,509,339, May 30.
Toothbrush and paste holder, Combination. R. R. Eastin. 2,507,250, May 9.
Toothbrush and powdered dentifrice dispenser, Combined foldable. F. B. Howard. 2,505,547, Apr. 25.
Toothbrush, Dentifrice-dispensing. J. A. Mitchell. 2,503,349, Apr. 11.
Toothbrush, Folding. T. R. Stacey and R. H. Lesner. 2,523,073, Sept. 19.
Toothbrush, Fountain. C. H. Finton. 2,516,195, July 25.
Toothbrush having built-in air pump for feeding dentifrice from reservoir to bristles, Fountain. L. F. Perwas. 2,507,419, May 9.
Toothbrush having powder pickup grooves. J. E. Bennett. 2,533,345, Dec. 12.
Toothbrush holder. V. and A. F. Licari. 2,507,342, May 9.
Toothbrush holder. C. W. Tideman. 2,522,470, Sept. 12.
Toothbrush, Power driven. J. F. Cannon. 2,532,480, Dec. 5.
Toothbrush rack. N. B. Boone. 2,513,077, June 27.
Toothbrush, Reservoir. F. E. Weber. 2,522,415, Sept. 12.
Toothbrush, Rotary. J. L. Ckola. 2,492,966, Jan. 3.
Toothbrush, Telescopic. G. S. Ridner, Sr. 2,517,029, Aug. 1.
Tooth brush with creasable handle. H. Iskoe. 2,527,931, Oct. 31.
Toothbrush with lip guard, Rotary. D. P. Grover. 2,533,106, Dec. 5.
Toothbrush with lip guard, Rotary. D. P. Grover. 2,533,108, Dec. 5.
Toothbrush with movable lip guard, Rotary. D. P. Grover. 2,533,107, Dec. 5.
Toothbrush with removable head. C. E. Soule. 2,517,045, Aug. 1.
Tooth cleaner. S. Victor. 2,524,412, Oct. 3.
Tooth comb, Combination conventional and ball point. G. R. Call. 2,519,740, Aug. 22.
Tooth composition, Prosthetic. J. De Ment. 2,508,816, May 23.
Tooth matrix retainer. R. B. Lewis. 2,521,467, Sept. 5.
Toothpaste ejector. A. D. Robinson. 2,533,839, Dec. 12.
Toothpick dispenser. W. G. Dlugas. 2,500,529, Mar. 14.
Toothpick dispenser. J. J. Solomon. 2,511,951, June 20.
Tooth positioning appliance. H. D. Kesling. 2,531,222 Nov. 21.
Tooth, Scarifier. H. T. Corbell. 2,521,045, Sept. 5.
Top. A. H. Ragsdale. 2,502,534, Apr. 4.
Top and spinning device therefor. O. Thoresen. 2,534,538, Dec. 19.
Top bar spectacle mounting. E. J. Stukenborg. 2,499,795, Mar. 7.
Top burner electric range automatic cooking. L. T. Akeley. 2,534,097, Dec. 12.
Top for baby beds, Safety. J. E. Ream. 2,530,728, Nov 21.
Top for boats, Portable folding. K. L. Vonder Ahe. 2,513,764, July 4.
Top for car bodies, Removable rigid. D. E. Cancelli and B. P. Silvestri. 2,511,460, June 13.
Top for electrolytic cells of the tank type. D. W. Kent. 2,500,949, Mar. 21.
Top for vehicle bodies, Convertible. T. Vigmostad. 2,498,868, Feb. 28.
Top roll for textile drafting mechanisms. L. M. Cotchett. 2,525,591–2, Oct. 10.
Top stop attaching machine. A. G. Natzke, J. Willetts, and J. Frykberg. 2,523,388, Sept. 26.
Top structure for motor vehicles, Collapsible. J. H. Orr 2,529,458, Nov. 7.
Top with folding seats, Auxiliary. C. C. Stuart. 2,535,242, Dec. 26.
Topper, Pants. F. F. Littell. 2,521,297, Sept. 5.
Topping attachment for tractors, Beet. T. W. Jones and G. M. Loveland. 2,528,886, Nov. 7.
Topping mechanism for beets and the like. J. W. Orendorff. 2,527,843, Oct. 31.
Torch. H. Schrader. 2,518,257, Aug. 8.
Torch, Adjustable-electrode arc welding. G. G. Landis and N. J. Hoenle. 2,520,151, Aug. 29.

Torch and method, Binozzle gouging. C. R. Moore and J. Villoresi. 2,534,365, Dec. 19.
Torch, Arc-oxygen underwater cutting. Z. A. Mackiewicz 2,531,450, Nov. 28.
Torch, Arc-welding. D. C. Girard and F. T. Roach. 2,532,807, Dec. 5.
Torch beveling apparatus. J. H. Rountree. 2,521,669, Sept. 5.
Torch construction for electric lighters. N. N. Stern. 2,529,746, Nov. 14.
Torch, Cutting. E. H. Smith. 2,519,939, Aug. 22.
Torch, Cutting or scarfing. H. G. Hughey. 2,509,270, May 30.
Torch, Electric welding. F. Gruszecki. 2,503,729, Apr. 11.
Torch, Electric welding. C. W. Steward and M. R. Rivenburgh. 2,512,509, June 20.
Torch, Electromagnetic cutting. H. B. Osborn, Jr. 2,521,740, Sept. 12.
Torch, Fluid-cooled gas-blanketed arc welding. N. E. Anderson and G. R. Turbett. 2,512,705, June 27.
Torch for internal-combustion prime movers, Ignition. J. S. Clarke and A. Huyton. 2,525,207, Oct. 10.
Torch for the subaqueous cutting of metals. W. T. P. Kirkham. 2,511,718, June 13.
Torch, Gas. H. G. Hughey. 2,515,301, July 18.
Torch, Gas-shielded arc welding. N. E. Anderson. 2,512,707, June 27.
Torch-guiding tool. W. Richardson. 2,523,237, Sept. 19.
Torch, Heating. L. V. Tanner. 2,502,604, Apr. 4.
Torch, Light-producing. C. N. Mari. 2,503,754, Apr. 11.
Torch machine, Double rectilinear. O. Thurman, Jr. 2,496,110, Jan. 31.
Torch, Marine. C. Linhardt, Jr. 2,528,837, Nov. 7.
Torch, Oxygen-acetylene. J. E. Smith. 2,535,873, Dec. 26.
Torch tip, Cutting. C. M. Eicher. 2,520,001, Aug. 22.
Torch tip, Hole burning. E. A. Tomlin. 2,531,174, Nov. 21.
Torch, Water-cooled gas-blanketed arc welding. N. E. Anderson. 2,512,706, June 27.
Toroidal transmission. R. Chilton. 2,493,571, Jan. 3.
Torpedo. J. L. Bisch. 2,509,205, May 30.
Torpedo, Aerial. A. A. Stuart, Jr. 2,498,772, Feb. 28.
Torque and speed indicator. A. M. Feller. 2,521,905, Sept. 12.
Torque arm quick disconnect assembly. W. G. Wood. 2,499,619, Mar. 7.
Torque control system for electric reel motors. W. R. Harding and B. J. Auburn. 2,516,001, July 18.
Torque controlling mechanism. M. J. Burger and G. F. Clement. 2,535,667, Dec. 26.
Torque converter. A. B. Bolender. 2,503,025, Apr. 4.
Torque converter. A. M. Rossman. 2,509,842, May 30.
Torque converter control. R. Brunken. 2,499,128, Feb. 28.
Torque converter, Reversible hydraulic. F. O. Gray. 2,501,771, Mar. 28.
Torque converter, Torus chamber hydraulic. E. E. Wemp. Re. 23,242, June 13.
Torque device, Constant. R. O. Bullard and R. J. Parker. 2,519,882, Aug. 22.
Torque equalizing means for aircraft landing gear brakes. C. B. V. Neilson and R. G. Hoare. 2,533,607, Dec. 12.
Torque indicator. F. W. Livermont. 2,506,091, May 2.
Torque induction mechanism. E. G. Boice. 2,516,748, July 25.
Torque limiting device. H. L. McCormick. 2,510,644, June 6.
Torque limiting device. W. C. Starkey. 2,533,973, Dec. 12.
Torque limiting means for torque transmitting mechanisms. H. Sinclair. 2,527,658, Oct. 31.
Torque measuring system. W. D. Macgeorge. 2,531,228, Nov. 21.
Torque measuring wrench. H. R. Billeter. 2,497,756, Feb. 14.
Torque release device, Overload. W. C. Starkey. 2,510,667, June 6.
Torque responsive device. G. E. Frost. 2,509,222, May 30.
Torque-restoring device for electrical instruments. F. G. Kelly. 2,515,375, July 18.
Torque tool. S. Smilansky. 2,525,379, Oct. 10.
Torque transmitting coupling. A. Y. Dodge. 2,514,227, July 4.
Torque transmitting shaft coupling. E. W. Winans. 2,532,829, Dec. 5.
Torque winding means for slitting machines, Constant. S. E. Amos and D. C. Jeffrey, Jr. 2,533,307, Dec. 12.
Torque wrench. F. W. Livermont. 2,503,499, Apr. 11.
Torsion bearing fifth wheel. J. Stephen. 2,513,117, June 27.
Torsion bearing type fifth wheel. J. Stephen. 2,507,616, May 16.
Torsion producing apparatus. H. Schaevitz. 2,494,671, Jan. 17.
Torsional high-pass mechanical filter. R. V. L. Hartley. 2,518,311, Aug. 8.
Totalizator. R. E. Wells. 2,494,419, Jan. 10.
Totalizator registering means for "doubles" tickets. A. F. Julius. 2,534,602, Dec. 19.
Totalizer, Electronic. J. T. Potter. 2,523,516, Sept. 26.
Totalizer sensing mechanism. E. O. Roggenstein. 2,518,378, Aug. 8.

Totally enclosed motor. W. D. Abbott. 2,515,973, July 18.
Touch latch. B. E. Van Every. 2,517,059, Aug. 1.
Tour system and tour station, Watchman's. E. A. Schachinger. 2,508,425, May 23.
Tourniquet. N. V. Jones. 2,511,269, June 13.
Towbar. D. Flowers. 2,512,635, June 27.
Tow bar. S. Mylie. 2,497,234, Feb. 14.
Tow bar. F. L. Powers. 2,518,816, Aug. 15.
Towbar, Automobile. R. L. Patton. 2,507,265, May 9.
Tow cable cutter. L. R. S. Jessen. 2,495,732, Jan. 31.
Tow glider release. N. D. Ashwood. 2,520,620, Aug. 29.
Tow or anchorage cable. R. W. Moore. 2,520,325, Aug. 29.
Tow skiff. J. E. Christie. 2,524,188, Oct. 3.
Tow target carrier. C. G. Trimbach. 2,523,738, Sept. 26.
Tow target carrier. J. P. Welsh and J. L. Jewett. 2,499,012, Feb. 28.
Towing apparatus. P. N. Erickson. 2,517,775, Aug. 8.
Towing device. R. F. Symonds and M. Magnusson. 2,533,972, Dec. 12.
Towing device. G. Tungett, T. R. Helms, and O. Morris. 2,494,526, Jan. 10.
Towing device, Automobile. A. J. Roth. 2,518,641, Aug. 15.
Towing means for two-wheeled vehicles. E. H. Lichtenberg. 2,499,148, Feb. 28.
Towel bar. P. F. Simpson. 2,504,741, Apr. 18.
Towel dispensing cabinet. W. H. West. 2,534,645, Dec. 19.
Towel grip. I. J. London. 2,526,376, Oct. 17.
Towel holder. D. H. Collins. 2,513,846, July 4.
Towel or clothes hanger. A. Provost. 2,521,604, Sept. 5.
Tower, Bubble. M. I. Dorfan. 2,495,512, Jan. 24.
Tower, Hoisting. R. V. Payne. 2,493,695, Jan. 3.
Tower, Hydrolysis. A. Héreng. 2,508,884, May 23.
Tower reactor. A. S. Brunjes and M. J. P. Bogart. 2,532,756, Dec. 5.
Tower, Water-cooling. N. P. Green. 2,512,271, June 20.
Toy. L. M. Stevens, Jr. 2,499,794, Mar. 7
Toy aircraft. E. W. Strong. 2,513,688, July 4.
Toy aircraft, Sheet material. R. B. Turnbull. 2,529,979, Nov. 14.
Toy, Airplane. R. C. Caler. 2,510,169, June 6.
Toy airplane headband. E. O. Bacon. 2,497,527, Feb. 14.
Toy, Air pressure operated revolving figure. P. Wagner. 2,499,892, Mar. 7.
Toy and bank, Combination candy-filled musical. J. H. Millstein. 2,529,661, Nov. 14.
Toy and launching means therefor, Flying. R. L. McMullen and K. C. Gordon. 2,511,360, June 13.
Toy animal. E. W. Baggott. 2,510,791, June 6.
Toy, Animated. J. S. Looney. 2,504,432, Apr. 18.
Toy, Animated. G. A. Purdum. 2,535,230, Dec. 26.
Toy, Animated figure. W. E. Davenport. 2,531,260, Nov. 21.
Toy, Animated figure. H. Gamache. 2,526,619, Oct. 24.
Toy, Animated pull. M. Simon. 2,522,405, Sept. 12.
Toy, Aquatic. M. Soss. 2,500,098, Mar. 7.
Toy, Articulated aquatic. C. Garland. 2,511,154, June 13.
Toy automatic spring pistol. S. E. J. Hjelm. 2,527,254, Oct. 24.
Toy automobile. E. R. Doak and N. E. Grace. 2,501,035, Mar. 21.
Toy ball. J. D. Chessrown. 2,504,650, Apr. 18.
Toy, Ball juggling. E. J. Krupp. 2,510,403, June 6.
Toy, Ball operated climbing. G. H. Porter. 2,495,982, Jan. 31.
Toy, Ball runway. H. Wagner. 2,519,207, Aug. 15.
Toy ball, Transparent hollow. M. C. Abel. 2,515,171, July 18.
Toy ball with rotatably mounted figure therein. B. Hulbert. 2,519,248, Aug. 15.
Toy bank. E. L. Hayden. 2,520,683, Aug. 29.
Toy bank and jack-in-the-box, Combination. W. C. Sloane. 2,521,131, Sept. 5.
Toy bank and music box, Combination. E. W. Baggott. 2,531,495, Nov. 28.
Toy baseball game device. G. Geller. 2,522,262, Sept. 12.
Toy, Basketball. C. L. Oczkowski. 2,535,225, Dec. 26.
Toy bathtub. T. E. Tellefsen. 2,533,534, Dec. 12.
Toy blowgun and sounding device. A. Dritz. 2,512,313, June 20.
Toy boat construction, Fabricated. J. K. Weddell. 2,524,742, Oct. 3.
Toy boat, Jet propelled. Q. L. Briggs and R. A. Voyls. 2,511,323, June 13.
Toy bomb. C. A. Kidder. 2,534,976, Dec. 19.
Toy bomb, Explosive. T. S. Stephenson. 2,503,360, Apr. 11.
Toy bridge. N. B. Spunberg. 2,507,354, May 9.
Toy cannon. B. Wagman. 2,493,429, Jan. 3.
Toy cannon. J. I. White and R. B. Mossman. 2,527,284, Oct. 24.
Toy, Cartoon. J. M. Talcott. 2,520,347, Aug. 29.
Toy, Catapult propelled vehicle. R. N. Carver. 2,517,084, Aug. 1.
Toy, Climbing. F. F. Marschalk. 2,518,041, Aug. 8.
Toy, Climbing. H. C. Tunstall. 2,518,840, Aug. 15.
Toy cock, Crowing. S. Krakowski. 2,528,759, Nov. 7.
Toy, Construction. D. E. Cole. 2,497,657, Feb. 14.
Toy, Convertible. W. T. Braman. 2,503,707, Apr. 11.

Toy, Convertible container. C. A. Nitsch. 2,500,904, Mar. 14.
Toy, Convertible rocker or wheel borne. M. and J. Leit. 2,497,265, Feb. 14.
Toy, Cord actuated spinning. C. M. Herzog. 2,533,935, Dec. 12.
Toy cycle. R. A. Moroney. 2,527,684, Oct. 31.
Toy, Dancing figure. E. Briggs. 2,509,805, May 30.
Toy device. H. R. Robbins. 2,508,423, May 23.
Toy, Diving. R. H. Seaman. 2,509,112, May 23.
Toy, Eccentrically mounted wheeled figure. F. Veress. 2,522,076, Sept. 12.
Toy, Educational. M. F. Booth. 2,494,469, Jan. 10.
Toy, Educational. F. R. Composto. 2,505,230, Apr. 25.
Toy, Educational. M. E. Daly. 2,513,290, July 4.
Toy, Educational. J. B. Howell. 2,501,902, Mar. 28.
Toy, Educational. J. C. Shields. 2,496,498, Feb. 7.
Toy, Educational. J. H. Wright. 2,535,619, Dec. 26.
Toy, Elastically supported oscillating. V. R. Kimple. 2,500,253, Mar. 14.
Toy electric locomotive. C. O. Applegate. 2,518,853, Aug. 15.
Toy electric vehicle and track. J. J. Miller. 2,510,241, June 6.
Toy, Exploding. T. J. Kuemmerlein and E. F. Wendt. 2,503,877, Apr. 11.
Toy explosive. E. Storey. 2,530,317, Nov. 14.
Toy, Figure wheeled. E. S. Savage. 2,512,533, June 20.
Toy, Figured. W. H. Stover. 2,528,920, Nov. 7.
Toy, Figured wheeled. J. Otreba. 2,514,510, July 11.
Toy firearm. O. A. Albrecht. 2,494,605, Jan. 17.
Toy fish. H. Rubin. 2,509,785, May 30.
Toy, Flapping. J. Goodman. 2,510,627, June 6.
Toy flatiron. M. Sorkin. 2,497,744, Feb. 14.
Toy frame for stuffed toys. A. Menzin. 2,496,951, Feb. 7.
Toy, Goat and man wheeled. A. Vogini. 2,527,470, Oct. 24.
Toy gun. M. A. Beathan. 2,534,398, Dec. 19.
Toy gun. J. A. Sigg. 2,529,709, Nov. 14.
Toy gun and cocking mechanism therefor. R. Nasello. 2,521,083, Sept. 5.
Toy gun, Arrow projecting. G. Hane. 2,528,723, Nov. 7.
Toy gun, Continuous firing. H. Gilgoff. 2,497,723, Feb. 14.
Toy gun having a rotatable magazine. J. Wolf. 2,509,552, May 30.
Toy gun, Trigger-actuated, noise-producing. D. R. Slauson. 2,518,390, Aug. 8.
Toy, Gyro. P. Amato. 2,508,880, May 23.
Toy, Gyroscopic. E. T. Stahl. 2,513,066, June 27.
Toy, Hammer. J. Morrison. 2,530,898, Nov. 21.
Toy handweaving frame. C. S. Raizen. 2,527,333, Oct. 24.
Toy having mechanical boxing figures and operating means therefor. M. Land. 2,499,147, Feb. 28.
Toy horse. E. McMellon. 2,501,531, Mar. 21.
Toy horse. A. J. Middler. 2,505,058, Apr. 25.
Toy, Horse and wagon. V. B. Nigoghosian. 2,502,230, Mar. 28.
Toy horse swing. E. J. Schwartz. 2,525,377, Oct. 10.
Toy, Infant's teething. F. Monaco. 2,532,116, Nov. 28.
Toy, Inflatable. M. Shufer. 2,515,804, July 18.
Toy, Jet operated spinning. O. H. Bennett. 2,516,541, July 25
Toy, Jumping. E. Wilbik. 2,498,974, Feb. 28.
Toy, Jumping frog. R. Q. Roberts. 2,535,868, Dec. 26.
Toy, Kicking man. L. M. Yaggy. 2,506,260, May 2.
Toy, Knockdown wheeled. L. M. Holmes. 2,529,692, Nov. 14.
Toy loading truck. F. Bristol. 2,522,925, Sept. 19.
Toy locomotive construction. R. E. Goode, Jr. 2,501,719, Mar. 28.
Toy loom. S. Wallach. 2,504,940, Apr. 18.
Toy machine gun. S. I. Berger. 2,530,803, Nov. 21.
Toy, Magnetic. F. G. Hanback. 2,530,013, Nov. 14.
Toy, Magnetic figure. A. O. Bustanoby. 2,519,883–4, Aug. 22.
Toy, Magnetically actuated. H. R. Staaf. 2,500,475, Mar. 14.
Toy, Marble actuated rotary wheel. W. A. Garbe. 2,531,564. Nov. 28.
Toy, Marble cage push. E. R. Biggs. 2,521,331, Sept. 5.
Toy, Mechanical. L. M. Cokins. 2,503,655, Apr. 11.
Toy, Mechanical. P. Kopf. 2,514,450, July 11.
Toy, Mechanical arrow-projecting. H. A. Kieselhorst. 2,526,369, Oct. 17.
Toy, Mechanical educational. H. J. Kipper. 2,503,340, Apr. 11.
Toy, Mechanical mobile. J. W. Brookshier. 2,528,494, Nov. 7.
Toy, Motion-art mechanical. J. R. Alfonso. 2,498,476, Feb. 21.
Toy motor vehicle simulated steering wheel. J. F. Alter. 2,529,755, Nov. 14.
Toy, Moving and sounding figure. O. L. Ritter. 2,529,631, Nov. 14.
Toy, Moving figure. A. Peden. 2,501,632, Mar. 21.
Toy mowing device. E. W. Baggott. 2,524,249, Oct. 3.
Toy, Musical. S. V. Lippman. 2,508,831, May 23.
Toy, Musical. T. L. and J. C. O'Sullivan. 2,519,499, Aug. 22.
Toy, Musical. T. and J. Rest. 2,512,777, June 27.
Toy, Musical. M. Sivitz. 2,506,039, May 2.
Toy object, Waddling. R. C. Requa. 2,506,036, May 2.
Toy or ornament, Candle illuminated. B. Murphy. 2,503,587, Apr. 11.
Toy ornithopter. H. B. Morgan. 2,504,567, Apr. 18.
Toy, Paddle. H. Singer. 2,512,239, June 20.
Toy, Paper optical illusion. C. C. Cloud. 2,516,367, July 25.
Toy parachute. O. S. Annable. 2,509,182, May 23.
Toy phonograph, Wheeled. L. H. Ottofy. 2,504,042, Apr. 11.
Toy pin wheel. J. P. Donahue. 2,510,336, June 6.
Toy piano. H. Zimmerman. 2,519,306, Aug. 15.
Toy pistol. M. Fleishman. 2,535,402, Dec. 26.
Toy pistol. H. Milstein. 2,513,041, June 27.
Toy pistol. E. J. Willis. 2,531,591, Nov. 28.
Toy, Pivoted low center of gravity animated. 2,520,572, Aug. 29.
Toy, Play. J. Frechtmann. 2,534,550, Dec. 19.
Toy power shovel. F. D. Merrill. 2,512,166, June 20.
Toy punching bag. D. Goldberg. 2,510,883, June 6.
Toy projector. D. Levi. 2,518,913, Aug. 15.
Toy, Propelled sound producing. H. T. Hansen. 2,523,991, Sept. 26.
Toy puffing locomotive. J. Dasenbrock. 2,520,916, Sept. 5.
Toy puffing locomotive apparatus. J. Dasenbrock. 2,525,288, Oct. 10.
Toy puzzle. B. E. Radcliffe. 2,512,873, June 27.
Toy, Rack actuated roundabout. C. J. Slatrow. 2,519,710, Aug. 22.
Toy railroad. R. G. Smith. 2,509,788, May 30.
Toy railroad car truck. J. L. Bonanno. 2,526,452, Oct. 17.
Toy railroad track. M. Leithold. 2,514,652, July 11.
Toy, Remote-control bomb release. F. J. Fay. 2,512,421, June 20.
Toy revolver. E. W. Baggott. 2,523,087, Sept. 19.
Toy rocket. M. R. Stark and G. S. Koester. 2,521,135, Sept. 5.
Toy, Rocking. W. Bowker. 2,518,747, Aug. 15.
Toy, Roller. E. L. Schwanengel. 2,496,603, Feb. 7.
Toy, Rolling. V. J. Grither. 2,525,482, Oct. 10.
Toy, Rolling and rocking. R. B. Bennett. 2,526,927, Oct. 24
Toy, Rolling ball and track. R. L. Stair. 2,532,521, Dec. 5.
Toy roundabout. R. G. Reeves. 2,532,571, Dec. 5.
Toy roundabout. W. L. and J. F. West. 2,521,620, Sept. 5.
Toy rubber band gun. A. Miller. 2,497,555, Feb. 14.
Toy rubber band pistol. E. E. Dunnegan. 2,508,235, May 16.
Toy rubber band projecting gun. A. E. Stone. 2,505,591, Apr. 25.
Toy scale. V. D. and A. O. Ballard. 2,507,950. May 16.
Toy, Self-righting. L. A. Goodman. 2,499,743, Mar. 7.
Toy, Scooter. A. Pierce. 2,508,189, May 16.
Toy, Simulated boxing. I. Hotcaveg. 2,496,725, Feb. 7.
Toy, Sound-producing. R. F. McDevitt. 2,519,489, Aug. 22.
Toy, Sounding. H. Singer. 2,534,996, Dec. 19.
Toy, Sounding figure wheel. W. Wisoff. 2,494,681, Jan. 17.
Toy spring pistol. J. Gricar. 2,530,658, Nov. 21.
Toy steering wheel. J. E. Anderson. 2,522,205, Sept. 12.
Toy, Submarine motor-driven. W. L. Hansen. 2,515,511, July 18.
Toy submarine, Self-propelled. F. Sabini. 2,506,281, May 2.
Toy swing. C. E. Liesner. 2,533,482, Dec. 12.
Toy, Teeter-type material handling. F. H. Stevens. 2,506,522, May 2.
Toy telephone. F. A. Richards and C. R. Arliss. 2,533,327, Dec. 12.
Toy telephone, Phonographic. N. C. Heyman. 2,496,666, Feb. 7.
Toy tenpin game. F. Voges. 2,535,973, Dec. 26.
Toy, Tethered ring. P. S. Hinkle and R. A. Hammer. 2,506,453, May 2.
Toy top. F. A. Pickett. 2,510,136, June 6.
Toy torpedo. H. T. Hand. 2,517,427, Aug. 1.
Toy, Throwing. J. Santiago. 2,498,509, Feb. 21.
Toy, Tilt-turn. G. S. Brackett, Jr. 2,501,206, Mar. 21.
Toy track connecting means. M. H. Larrabee. 2,534,458, Dec. 19.
Toy track system and toy vehicle. E. Fields. 2,512,890, June 27.
Toy tractor having improved track guiding means. E. D. Cayce. 2,533,556, Dec. 12.
Toy train controller. J. L. Bonanno. 2,526,456, Oct. 17.
Toy, Tumble men. L. C. Tullgren and J. S. Bonkiewicz, Jr. 2,503,142, Apr. 4.
Toy typewriter. S. I. Berger. 2,534,399, Dec. 19.
Toy, Varicolored ring spinning. C. J. Vasquez. 2,527,109, Oct. 24.
Toy vehicle. A. W. Francis. 2,510,310. June 6.
Toy vehicle. C. B. Franklin. 2,498,409. Feb. 21.
Toy vehicle. T. K. Hillard. 2,502,843, Apr. 4.
Toy vehicle. A. J. Middler. 2,505,057, Apr. 25.
Toy vehicle. R. Parke. 2,494,354, Jan. 10.
Toy vehicle having severable individual attachments. G. W. Daugherty. 2,524,695, Oct. 3.
Toy, Vibration actuated. H. Y. Armstrong. 2,512,760, June 27.
Toy wagon. W. Jaffa. 2,509,736, May 30.

Toy water-borne projectile. A. Thorp. 2,519,298, Aug. 15.
Toy wheel mount construction. E. R. Foster. 2,505,855, May 2.
Toy, Wheeled. A. J. Dube. 2,535,396, Dec. 26.
Toy, Wheeled animal walking. B. D. Wood. 2,496,766, Feb. 7.
Toy, Wheeled figure. W. R. Braund. 2,525,859, Oct. 17.
Toy, Wheeled figure. V. C. Brown. 2,523,417, Sept. 26.
Toy, Wheeled figure. T. E. McAvoy. 2,511,169, June 13.
Toy whip airplane. N. E. Dickinson. 2,528,268, Oct. 31.
Toy, Whirling sounding. R. C. Hinsen. 2,525,221, Oct. 10.
Toy, Whistling windmill. S. Kalisz. 2,522,376, Sept. 12.
Toy with movable figures. N. Borresen. 2,514,356, July 11.
Toy, X-ray simulating. C. S. Raizen. 2,527,332, Oct. 24.
Toys, Making inflatable. J. L. Clark and M. E. Horton. 2,516,552, July 25.
Toys, Manufacturing figure. L. M. Opel. 2,516,479, July 25.
Tracer. T. Miller. 2,500,850, Mar. 14.
Tracer, Automatically steered. J. M. Tyrner. 2,522,851, Sept 19.
Tracer controlled machine tool. T. A. Wetzel. 2,511,956, June 20.
Tracer head, Adjustable. J. E. Puderbach. 2,515,356, July 18.
Tracing system, Electronic. J. R. Pierce. 2,515,057, July 11.
Tracing table. H. R. McKinney. 2,510,124, June 6.
Track-aligning device. D. Rich. 2,502,750, Apr. 4.
Track, Belt type vehicle. M. Lammertse. 2,515,128, July 11.
Track bond, Railway. H. H. Seifert. 2,513,590, July 4.
Track cleaning car. R. N. Miller and W. H. Grindall. 2,505,501, Apr. 25.
Track for hanging doors, conveyers and the like. R. G. Ferris. 2,534,195, Dec. 12.
Track for machine tools, Rolling. M. Bardet. 2,519,101, Aug. 15.
Track for portable chicken coops. R. G. Clark. 2,524,959. Oct. 10.
Track, Garment hanger. C. Dahlberg. 2,507,853, May 16.
Track layout for loading and unloading. W. E. McDonald 2,493,010, Jan. 3.
Track manufacture, Method and equipment for. H. R. Miller and R. W. Sohl. 2,514,964, July 11.
Track, Self-laying. C. O. Slemmons. 2,494,066, Jan. 10.
Track, Self-locking, sliding door. A. M. Olds. 2,493,162, Jan. 3.
Track shifting device. J. L. McMillan. 2,498,046, Feb. 21.
Track shoe connector. C. W. Sinclair. 2,532,824, Dec. 5.
Track, Skip carriage. M. W. Goldberg. 2,499,060, Feb. 28.
Track switch stand. J. E. Trosper. 2,520,289, Aug. 29.
Track tensioning apparatus for crawler tractor. W. W. Henning. 2,506,360, May 2.
Track without articulations for universal vehicles, Endless. A. Kegrésse. 2,495,331, Jan. 24.
Tracking and/or ranging, Automatic. M. H. Gross. 2,508,384, May 23.
Tracking and smoothing device, Regenerative. H. K. Weiss. 2,531,957, Nov. 28.
Tracking apparatus. J. H. Lancor, Jr. 2,533,267, Dec. 12.
Tracking apparatus, Radiant energy. L. B. Scott. 2,513,367, July 4.
Tracking control. E. B. Ferrell. 2,516,765, July 25.
Tracking mechanism for reflex velocity for modulated tubes. E. W. Ernst. 2,515,203. July 18.
Traction cleat, Nonskid. G. Miller. 2,530,897, Nov. 21.
Traction device. J. F. Ernst. 2,504,511, Apr. 18.
Traction device. G. E. Krider. 2,527,939, Oct. 31.
Traction device. T. F. Whichard, Sr., C. E. and O. B. Flodquist. 2,530,108, Nov. 14.
Traction device for automotive vehicles. F. Cesen. 2,496,119, Jan. 31.
Traction device for power-driven vehicles. R. H. Weeks. 2,496,924, Feb. 7.
Traction device for vehicle wheels, Emergency. I. L. Robblee. 2,520,260, Aug. 29.
Traction grip. H. J. Tschohl and E. M. Hanson. 2,532,380. Dec. 5.
Tractor. B. E. Carlson. 2,503,096, Apr. 4.
Tractor. F. N. G. Kranick. 2,531,818, Nov. 28.
Tractor. H. Willey. 2,523,171, Sept. 19.
Tractor and drive control therefor, Harvesting. B. C. England. 2,520,835, Aug. 29.
Tractor and implement coupling for soil preparing machinery. L. H. Dooley and H. H. Parris. 2,515,637, July 18.
Tractor and means for detachably mounting agricultural implements thereon. M. Ronning. 2,524,083, Oct. 3.
Tractor and steerable support therefor. T. Brown. 2,511,692, June 13.
Tractor attachment. G. L. and E. L. Robinson. 2,512,114, June 20.
Tractor cab, Detachable. H. Sanden. 2,532,948. Dec. 5.
Tractor control mechanism. A. C. Boock and D. W. Erskine. 2,533,872, Dec. 12.
Tractor, Endless tread garden. S. A. Beachy. 2,529,369, Nov. 7.
Tractor, Garden. J. F. Attwell. 2,535,254, Dec. 26.
Tractor, Garden. V. A. Danielson and L. B. Neasham. 2,519,745, Aug. 22.
Tractor, Garden. S. W. Shaw. 2,535,701, Dec. 26.
Tractor, Garden. O. W. Shelor. 2,512,443, June 20.
Tractor, Garden. C. Van Ausdall. 2,535,614–15, Dec. 26.
Tractor hitch. C. E. De Witt. 2,534,109, Dec. 12.
Tractor hitch. J. W. Potter. 2,523,591, Sept. 26.
Tractor hitch. F. von Schlegell. 2,514,614, July 11.
Tractor hitch. C. T. Wilson. 2,527,343, Oct. 24.
Tractor hitch control. J. T. Jackson. 2,525,357, Oct. 10.
Tractor-implement supporting cradle. G. W. Mork. 2,519,974, Aug. 22.
Tractor lubrication. J. M. Davies and J. L. Deffenbaugh. 2,515,552, July 18.
Tractor mounted spring tooth harrow. C. L. Cook and A. E. Young. 2,527,355, Oct. 24.
Tractor mower connection. J. E. Tom. 2,523,166, Sept. 19.
Tractor mower, Front mount. H. H. Jahde. 2,519,659, Aug. 22.
Tractor mower, Front-mounted. S. E. Hilblom. 2,496,469, Feb. 7.
Tractor operated wire winding and unwinding reel. M. U. Rosendahl. 2,507,272, May 9.
Tractor, Power garden. J. E. Tom. 2,532,580, Dec. 5.
Tractor seat support. R. E. Knoedler. 2,531,572, Nov. 28.
Tractor-semitrailer coupling. J. N. Apgar. 2,494,982, Jan. 17.
Tractor, Snow. R. A. Lawrence. 2,528,890, Nov. 7.
Tractor steering gear. R. E. Farmer. 2,507,000, May 9.
Tractor tire chain. E. W. Carr. 2,510,682, June 6.
Tractor tread for disintegrating cornstalks. G. L. Miller. 2,534,675, Dec. 19.
Traffic control system. E. M. Deloraine and P. R. Adams. 2,521,697, Sept. 12.
Traffic control system for railroads, Centralized. F. T. Pascoe. 2,526,404, Oct. 17.
Traffic counting apparatus. G. A. Nagel. 2,525,824, Oct. 17.
Traffic detection apparatus. J. L. Barker. 2,521,683, Sept. 12.
Traffic detector. K. W. Jarvis. 2,532,231, Nov. 28.
Traffic direction control apparatus for use in centralized traffic control systems for single-track railroads. F. T. Pascoe and A. L. Jerome. 2,528.073, Oct. 31.
Traffic protection apparatus. F. H. Nicholson. 2,514,454, July 11.
Traffic signal. W. F. Freeman. 2,535,200, Dec. 26.
Traffic signal. E. A. Lieutard. 2,528,962, Nov. 7.
Trailer. J. W. Byrd. 2,506,699, May 9.
Trailer. J. A. Chisholm. 2,512,142, June 20.
Trailer. C. L. Daniels. 2,514,746, July 11.
Trailer. C. S. Fogwell. 2,513,855, July 4.
Trailer. D. W. McMurtrie. 2,505,421, Apr. 25.
Trailer. H. G. Nixon. 2,494,404, Jan. 10.
Trailer. F. J. Vandemark. 2,513,604, July 4.
Trailer. E. L. Wiedman. 2,525,506, Oct. 10.
Trailer, All purpose. J. M. Poché. 2,502,024, Mar. 28.
Trailer, Automotive. D. R. Wittke. 2,494,421, Jan. 10.
Trailer axle and spring suspension. D. L. Chipps. 2,511,046, June 13.
Trailer, Boat. B. J. Leach. 2,509,067, May 23.
Trailer, Boat. J. G. Reading. 2,531,947, Nov. 28.
Trailer, Boat. W. Rivers. 2,496,599, Feb. 7.
Trailer, Boat. B. J. Spencer, Jr., and L. G. Brinson. 2,498,014, Feb. 21.
Trailer, Boat. T. M. Yarbrough. 2,503,535, Apr. 11.
Trailer, Cable dump. E. A. Schonrock. 2,517,933, Aug. 8.
Trailer, Camp. T. Hamilton. 2,503,482, Apr. 11.
Trailer camp car. G. W. Fletcher. 2,523,205, Sept. 19.
Trailer, Camping. Q. P. Massare. 2,493,258, Jan. 3.
Trailer, Collapsible. H. C. Brumbaugh. 2,518,278, Aug. 8.
Trailer convertible to two-wheel trailer, Four-wheel. W. Orjala. 2,524,633. Oct. 3.
Trailer coupling. W. Bennett. 2,522,740, Sept. 19.
Trailer coupling. W. H. Duvall and A. L. Barnard. 2,494,799, Jan. 17.
Trailer coupling. F. R. Kleiman. 2,520,039, Aug. 22.
Trailer dolly. L. C. Hagg. 2,519,564, Aug. 22.
Trailer dolly. W. R. Jontz. 2,500,686, Mar. 14.
Trailer dolly, Retractable. C. W. Bayes. 2,496,515, Feb. 7.
Trailer dolly, Self-guiding. F. L. Winchester. 2,498,779, Feb. 28.
Trailer, Dump. W. M. Crosley. 2,506,139, May 2.
Trailer dump. V. Lundell. 2,496,350, Feb. 7.
Trailer, Dump. L. N. Spearing and W. Hyvari. 2,495,354, Jan. 24.
Trailer dump body. V. Lundell. 2,507,169, May 9.
Trailer, Expansible. J. Van Tassel. 2,519,517, Aug. 22.
Trailer fifth wheel. G. A. Kendall. 2,508,610, May 23.
Trailer for boat handling. E. W. Oeth. 2,529,849, Nov. 14.
Trailer for boat handling. E. W. Oeth. 2,525,715, Oct. 10.
Trailer for hauling automobiles. W. Sniezyk. 2,520,698, Aug. 29.
Trailer for hauling boats. L. Holly. 2,516,574, July 25.
Trailer for transporting automobiles. E. V. Garnett. 2,492,980, Jan. 3.

Trailer for semitrailer type vehicles, Dump. L. F. De Saussure. 2,494,472, Jan. 10.
Trailer handling device. G. K. Van Langen. 2,515,575, July 18.
Trailer, Harrow elevating and transporting. J. Eaves, Jr., and J. C. Jones. 2,496,153, Jan. 31.
Trailer heater. R. N. Harvey. 2,523,569, Sept. 26.
Trailer hitch. D. D. Arehart. 2,507,189, May 9.
Trailer hitch. G. R. Brougher. 2,515,856, July 18.
Trailer hitch. J. De Lanne. 2,516,506, July 25.
Trailer hitch. S. C. French and S. M. Causley. 2,516,459, July 25.
Trailer hitch. V. G. Garnett. 2,524,312, Oct. 3.
Trailer hitch. H. C. Hagenah. 2,501,721, Mar. 28.
Trailer hitch. H. R. Lee. 2,506,090, May 2.
Trailer hitch. A. J. Meents. 2,521,391, Sept. 5.
Trailer hitch. E. J. Mock. 2,531,859, Nov. 28.
Trailer hitch. A. Murat. 2,531,289, Nov. 21.
Trailer hitch. G. A. Shaieb. 2,532,676, Dec. 5.
Trailer hitch. W. N. Smith. 2,521,132, Sept. 5.
Trailer hitch. K. Summers. 2,516,028, July 18.
Trailer hitch. E. L. Wiedman. 2,525,505, Oct. 10.
Trailer hitch and bumper combined. M. L. Frederick. 2,521,356, Sept. 5.
Trailer hitch ball cover. J. L. Brock. 2,512,222, June 20.
Trailer hitch ball cover. J. L. Brock. 2,517,176, Aug. 1.
Trailer hitch device, Load equalizing. H. Spitler. 2,517,047, Aug. 1.
Trailer hitch, Dolly type. H. B. Grant. 2,506,718, May 9.
Trailer hitch, Safety. E. Schule. 2,519,856, Aug. 22.
Trailer hitching device. C. F. Black. 2,506,194, May 2.
Trailer, Housekeeping, turtleback. W. R. King. 2,496,055, Jan. 31.
Trailer jack. H. M. Fredholm. 2,519,364, Aug. 22.
Trailer mounted boat support. R. H. Stiller. 2,494,110, Jan. 10.
Trailer, Self-contained boat. V. Christensen. 2,500,602, Mar. 14.
Trailer, Self-locking chain hoist. K. O. Huff. 2,496,537, Feb. 7.
Trailer, Self-unloading. M. R. Ortmeier. 2,496,305, Feb. 7.
Trailer, Side dump. R. D. MacDonald. 2,523,035, Sept. 19.
Trailer step. D. Runyen. 2,533,050, Dec. 5.
Trailer structure, Side dump. R. D. MacDonald. 2,513,658, July 4.
Trailer supporting vehicle. T. R. Gardiner. 2,515,705, July 18.
Trailer suspension unit. M. D. Sullivan. 2,501,974, Mar. 28.
Trailer, Tank. L. F. Larsen. 2,531,694, Nov. 28.
Trailer unit. W. Fischer. 2,534,256, Dec. 19.
Trailer, Vertically adjustable. E. L. Stemen, F. L. Enslen, and O. Springer. 2,519,002, Aug. 15.
Trailer, Windrower. O. Johnson. 2,509,824, May 30.
Train, Aerial. J. W. P. Fleming. 2,496,087, Jan. 31.
Train control and cab signaling system, Continuous inductive. J. D. Hughson. 2,503,671, Apr. 11.
Train fusee discharger. H. E. Temple. 2,535,820, Dec. 26.
Train, Gear. T. F. I. Tomlines. 2,513,217, June 27.
Train order stand. H. S. Loeffler, and G. V. Guerin, Jr. 2,526,145, Oct. 17.
Trainer for aircraft flight personnel, Ground. R. O. Rippere. 2,516,803, July 25.
Trainer for aircraft personnel. J. J. Lukacs and W. B. Strickler. 2,533,484, Dec. 12.
Trainer for enabling the giving of radio instruction. A. Ludwig. 2,516,780, July 25.
Trainer for training aircraft crew members, Ground. F. M. Burelbach and J. J. Lukacs. 2,506,949, May 9.
Trainer, Plotting. C. H. Fraser. 2,520,924, Sept. 5.
Trainer, Radar. G. A. Bunyan. 2,505,094, Apr. 25.
Training apparatus, Flight. R. C. Dehmel. 2,510,385, June 6.
Training apparatus for simulating radio range signals. P. E. Grandmont. 2,514,602, July 11.
Training device, Animal. E. E. Howschultz. 2,534,516, Dec. 19.
Training device, Athletic. M. J. Gilman. 2,526,217, Oct. 17.
Training device, Eye. J. Poslusny. 2,505,340, Apr. 25.
Training device, Supersonic. P. Rosenberg. 2,518,938, Aug. 15.
Training model, Weight and balance. C. F. Drown, N. H. Zimmerman, and W. C. Ross. 2,495,709, Jan. 31.
Trammel bar. L. F. Sosdian. 2,525,186, Oct. 10.
Transceiver for multichannel radio communication system. T. A. O. Gross and K. A. Young. 2,505,670, Apr. 25.
Transceiver for transmission and reception of sound, Electrodynamic. H. C. Hayes. 2,517,565, Aug. 8.
Transceiver for two-way communication. D. J. Braak. 2,512,300, June 20.
Transceiver having switch controlled frequency compensator. P. F. G. Holst and L. R. Kirkwood. 2,515,225, July 18.
Transceiver, Signal-seeking. W. I. Wu. 2,532,589, Dec. 5.
Transcribing device. H. H. Valpey. 2,528,325, Oct. 31.
Transducer. C. H. Lanphier. 2,515,154, July 11.
Transducer and enclosure, Moving coil. C. L. Richards. 2,498,825, Feb. 28.
Transducer and system. F. Massa. 2,529,658, Nov. 14.
Transducer carriage feed and control mechanism therefor. C. W. Dann and R. M. Somers. 2,533,359, Dec. 12.
Transducer device, Electroacoustic. H. B. Shaper. 2,508,544, May 23.
Transducer, Electrical. G. R. Mezger. 2,494,570, Jan. 17.
Transducer, Electroacoustic. R. R. Kreisel. 2,520,640, Aug. 29.
Transducer, Electroacoustic. F. Massa. 2,518,993, Aug. 15.
Transducer, Electroacoustic. E. E. Mott. 2,520,646, Aug. 29.
Transducer, Electroacoustic. R. E. Wirsching. 2,506,624, May 9.
Transducer, Electroacoustical. M. L. Gayford. 2,509,224, May 30.
Transducer, Electromagnetic. W. J. Muldoon. 2,523,775, Sept. 26.
Transducer, Electromechanical. C. K. Gravley. 2,515,446, July 18.
Transducer, Electromechanical. C. R. Holden. 2,498,737, Feb. 28.
Transducer, Electromechanical. A. L. W. Williams. 2,497,108, Feb. 14.
Transducer for ultrasonic waves. H. H. Claassen. 2,507,770, May 16.
Transducer having a pair of levers coupling the driving member to the translating element. B. B. Bauer. 2,513,269, July 4.
Transducer head, Electromagnetic. H. A. Howell. 2,532,100, Nov. 28.
Transducer holder. W. S. Erwin. 2,494,433, Jan. 10.
Transducer, Magnetic recording-reproducing. E. E. Masterson. 2,524,063, Oct. 3.
Transducer, Magnetostriction. L. W. Camp. 2,530,224, Nov. 14.
Transducer means. F. Massa. 2,521,642, Sept. 5.
Transducer, Peripherally driven electroacoustical. J. J. Root. 2,535,757, Dec. 26.
Transducer, Piezoelectric. K. W. McLoad. 2,506,608, May 9.
Transducer supporting structure. R. Snepvangers. 2,516,534, July 25.
Transducer system, Repolarized. S. J. Begun. 2,521,329, Sept. 5.
Transducer, Tourmaline crystal. E. Klein. 2,520,938, Sept. 5.
Transducing apparatus, Magnetic. F. H. Owens. 2,513,423, July 4.
Transducing device, Inertia-type electromechanical sound. E. H. Greibach. 2,500,541, Mar. 14.
Transducing head, Magnetic. H. F. Porter. 2,523,515, Sept. 26.
Transducing system, Magnetic. R. K. Potter. 2,531,642, Nov. 28.
Transetherification of β-ether-substituted esters. W. J. Croxall and J. O. Van Hook. 2,535,010, Dec. 19.
Transfer. C. Wittgren. 2,496,325, Feb. 7.
Transfer apparatus for loading conveyers. J. R. Frederick. 2,493,807, Jan. 10.
Transfer device. M. Hallead. 2,497,767, Feb. 14.
Transfer device, Load. W. J. Parrott. 2,500,262, Mar. 14.
Transfer device, Load. R. C. Yeoman. 2,498,472, Feb. 21.
Transfer device, Reciprocating pusher. L. O. McCullough. 2,513,662, July 4.
Transfer for rotary sheet feeding mechanisms, Reciprocating. W. W. Jones. 2,499,068, Feb. 28.
Transfer line connection. R. V. Lockwood. 2,511,813, June 13.
Transfer machine for bottles and like articles. C. D. Keith, J. F. O'Brien and S. Madsen. 2,520,727, Aug. 29.
Transfer mechanism. W. C. Hodges. 2,512,798, June 27.
Transfer mechanism for cylindrical articles. G. Bardet. 2,512,083, June 20.
Transfer medium. D. A. Newman. 2,508,725, May 23.
Transfer ribbon manufacture. D. A. Newman. 2,503,681, Apr. 11.
Transfer ring. W. J. Kuehnel. 2,495,585, Jan. 24.
Transfer-tripping carrier-current relaying system. J. L. Blackburn. 2,525,393, Oct. 10.
Transferrer arm for weft replenishing looms. C. P. Bergstrom. 2,519,817, Aug. 22.
Transferring apparatus, Liquid. C. N. Pogue. 2,495,905, Jan. 31.
Transferring device. G. S. Boone. 2,520,196, Aug. 29.
Transferring fluidized solid particles. J. F. Skelly. 2,517,042, Aug. 1.
Transferring heat by a hydrocarbon medium. K. Cohen and E. H. McArdle. 2,497,929, Feb. 21.
Transferring labels from a supply to an article to be labeled. S. T. Carter. 2,521,827, Sept. 12.
Transferring ultra high frequency energy. R. Kirkman and M. Kline. 2,513,334, July 4.
Transformer. P. Berger. 2,515,109, July 11.
Transformer. A. E. Feinberg. 2,509,187–8, May 23.
Transformer. E. H. Freeman. 2,518,767, Aug. 15.
Transformer. C. F. Frey, Jr. 2,509,427, May 30.
Transformer. A. W. Friend. 2,513,160, June 27.
Transformer. H. Hartmann. 2,503,483, Apr. 11.
Transformer. C. N. Hoyler and R. A. Bierwirth. 2,515,874, July 18.
Transformer. A. Meyerhans. 2,531,697, Nov. 28.

Transformer. R. Schärli and A. Meyerhans. 2,498,183, Feb. 21.
Transformer and protective system therefor, Grounding. R. P. Randall. 2,523,778, Sept. 26.
Transformer and repeating circuit breaker, Combined. C. W. Brown. 2,519,021, Aug. 15.
Transformer, Close-coupled electrical. W. H. Thurston. 2,535,554, Dec. 26.
Transformer connection and phase-angle indicator, Three-phase. E. S. Warner. 2,535,767, Dec. 26.
Transformer construction, High-frequency. E. I. Guthman. 2,535,203, Dec. 26.
Transformer control device, Differential. G. H. Caine. 2,507,763, May 16.
Transformer, Current. T. Specht. 2,534,931, Dec. 19.
Transformer, Differential. W. D. Macgeorge. 2,507,344, May 9.
Transformer, Differential. H. Schaevitz. 2,494,493, Jan. 10.
Transformer differential relay. W. C. Morris. 2,528,240, Oct. 31.
Transformer, Electrical. J. H. Chiles, Jr., and H. C. Hood. 2,519,224, Aug. 15.
Transformer, Electrical. M. J. Obert and E. L. Clark. 2,500,766, Mar. 14.
Transformer, Electrical. H. Smith. 2,526,706, Oct. 24.
Transformer for coaxial lines, Impedance. A. W. Gent and P. J. Wallis. 2,533,239, Dec. 12.
Transformer for transmission lines, High-frequency impedance. J. Collard. 2,507,692, May 16.
Transformer, High-frequency. W. A. MacDonald. 2,503,879, Apr. 11.
Transformer, High-frequency coupling. J. O. Silvey. 2,532,263, Nov. 28.
Transformer, High reactance. W. Foerste. 2,502,082–3, Mar. 28.
Transformer, Impedance matching. D. C. Rogers. 2,512,681, June 27.
Transformer, Instrument. H. Hartmann. 2,527,881, Oct. 31.
Transformer, Peaking. L. D. Drugmand and E. M. Hampe. 2,498,119, Feb. 21.
Transformer, Power-factor corrected. W. Foerste. 2,502,084, Mar. 28.
Transformer pick-off, Variable. F. P. Strother and B. A. Coss. 2,507,836, May 16.
Transformer, Radio frequency current. R. R. Freas, Jr., and H. C. Lawrence, Jr. 2,526,549, Oct. 17.
Transformer, Regulating. G. U. Olsson. 2,506,276, May 2.
Transformer relay. P. G. Hughes. 2,527,220, Oct. 24.
Transformer system. A. E. Feinberg. 2,518,874, Aug. 15.
Transformer system, Regulating. L. K. Hedding. 2,497,499, Feb. 14.
Transformer system, Regulating. F. H. John and R. S. Quimby. 2,505,620, Apr. 25.
Transformer, Triple tuned high-frequency. J. O. Silvey. 2,503,923, Apr. 11.
Transformer, Variable. F. G. Logan. 2,515,782, July 18.
Transformer, Variable-current. M. Olthof. 2,513,512, July 4.
Transformer, Variable impedance wave guide matching. H. C. Hey. 2,527,817, Oct. 31.
Transformer, Variable output. S. Oestreicher. 2,535,154, Dec. 26.
Transformer, Voltage. N. E. Lindenblad. 2,531,820, Nov. 28.
Transformer, Wave guide impedance. M. H. Johnson and W. W. Hansen. 2,531,437, Nov. 28.
Transformer, Welding. W. J. Oesterlein. 2,519,784, Aug. 22.
Transformer with regulating choke coils. A. Meyerhans. 2,493,683, Jan. 3.
Transient compensation of potential-device burdens. E. L. Harder. 2,510,631, June 6.
Transistor-microphone. R. L. Hanson. 2,497,770, Feb. 14.
Transit, Carpenter's. C. E. Devers. 2,497,933, Feb. 21.
Transitory electroresponsive switching control. J. A. Favre. 2,534,115, Dec. 12.
Translater, Code. J. A. Herbst. 2,520,142, Aug. 29.
Translating device and method. T. N. Ross. 2,501,788, Mar. 28.
Translating device, Electrical. R. S. Ohl. 2,503,837, Apr. 11.
Translating device, Electronic. J. C. O'Brien. 2,522,055, Sept. 12.
Translating device, Fluid energy. H. F. Vickers. 2,525,979, Oct. 17.
Translating means and variable-inductor transducer therefor, Electrical. H. P. Kalmus. 2,531,689, Nov. 28.
Translating system, Balanced electronic. G. E. Mueller. 2,511,120, June 13.
Translating system, Selective frequency. G. Guanella. 2,522,369, Sept. 12.
Translating system, Signal. V. J. Duke. 2,505,732, Apr. 25.
Translation system. J. R. Zeckman. 2,535,341, Dec. 26.
Translator. W. Keister. 2,518,022, Aug. 8.
Translator, Signal code. D. Mitchell. 2,519,688, Aug. 22.
Transload device. A. E. Brickman. 2,531,552, Nov. 28.
Transmission. P. Altman and M. S. Baker. 2,525,575, Oct. 10.
Transmission. J. T. Barron. 2,518,516, Aug. 15.
Transmission. H. E. Churchill, P. V. Haigh, and H. O. Zander. 2,505,171, Apr. 25.
Transmission. P. Fisk. 2,512,856, June 27.
Transmission. C. B. Godwin. 2,497,598, Feb. 14.
Transmission. W. J. Grace. 2,498,036, Feb. 21.
Transmission. H. R. Greenlee. 2,510,469, June 6.
Transmission. H. R. Greenlee and W. A. Hasbany. 2,516,203, July 25.
Transmission. H. F. Hobbs. 2,530,200, Nov. 14.
Transmission. T. T. Hodge. 2,516,385, July 25.
Transmission. D. W. Kelbel and P. Orr. 2,513,331, July 4.
Transmission. B. B. Le May. 2,503,497, Apr. 11.
Transmission. P. Orr. 2,512,036, June 20.
Transmission. A. C. Ripke. 2,495,824, Jan. 31.
Transmission. F. W. Seybold. 2,524,867, Oct. 10.
Transmission. H. W. Simpson. 2,518,824–5, Aug. 15.
Transmission. E. E. Wemp. 2,505,449, Apr. 25.
Transmission. W. F. Wilson. 2,526,919, Oct. 24.
Transmission and clutch control. E. E. Wemp. 2,505,448, Apr. 25.
Transmission and control mechanism for machine tools. F. A. Parsons. 2,493,827, Jan. 10.
Transmission and control mechanism, Machine tool. J. B. Armitage, T. F. Eserkaln, and T. A. Wetzel. 2,497,842, Feb. 14.
Transmission and control mechanism therefor, Hydraulic. R. Brunken. 2,498,600, Feb. 21.
Transmission and control therefor, Machine tool. C. M. Mirossay. 2,501,286, Mar. 21.
Transmission and throttle controlling device. R. C. Wallace. 2,495,993, Jan. 31.
Transmission and torque meter therefor. V. Moore. 2,518,708, Aug. 15.
Transmission apparatus and controls, Automatic. O. H. Banker. 2,507,137, May 9.
Transmission apparatus, Facsimile. R. J. Wise, R. D. Parrott, and G. H. Ridings. 2,503,311, Apr. 11.
Transmission arrangement for closely spaced wheels. G. A. Reynolds, Jr. 2,509,526, May 30.
Transmission, Automatic. E. J. Farkas. 2,528,584, Nov. 7.
Transmission, Automatic. R. F. Grebb. 2,523,619, Sept. 26.
Transmission, Automatic. A. Lowndes. 2,500,763, Mar. 14.
Transmission, Automatic V belt. W. R. Bray. 2,534,409, Dec. 19.
Transmission, Automatic variable ratio. D. Heyer. 2,521,457, Sept. 5.
Transmission belt and drive. R. Y. Case. 2,507,852, May 16.
Transmission belt and making, Endless. A. S. Brown and G. E. Sedgley. 2,518,220, Aug. 8.
Transmission belt, Multiply power. S. D. Lesesne. 2,516,779, July 25.
Transmission cable. C. A. Arens. 2,519,812, Aug. 22.
Transmission, Change-speed. C. H. Herr, Jr. 2,535,632, Dec. 26.
Transmission, Compression wave. H. J. McSkimin. 2,505,364, Apr. 25.
Transmission control. H. E. Carnagua and M. N. Bareham. 2,505,881, May 2.
Transmission control. W. K. Creson. 2,497,930, Feb. 21.
Transmission control. W. A. Hasbany. 2,516,208 July 25.
Transmission control. T. Iavelli. 2,498,889, Feb. 28.
Transmission control. T. Iavelli. 2,513,801, July 4.
Transmission control. D. W. Kelbel, G. E. Flinn, and P. Orr. 2,519,050, Aug. 15.
Transmission control. C. A. Neracher. 2,528,772, Nov. 7.
Transmission control. J. L. O'Rourke. 2,510,516, June 6.
Transmission control. A. O. Roberts. 2,507,051, May 9.
Transmission control. E. S. Russey. 2,527,965, Oct. 31.
Transmission control and brake mechanism. W. F. Errig and E. S. De Hart. 2,527,179, Oct. 24.
Transmission control, Change-speed. O. H. Banker. 2,530,753, Nov. 21.
Transmission control, Hydraulic. A. L. Johnson and S. A. Kraft. 2,527,820, Oct. 31.
Transmission control, Hydraulic. A. L. Johnson and S. A. Kraft. 2,529,160, Nov. 7.
Transmission control in two way signaling systems. V. J. Hawks. 2,510,975, June 13.
Transmission control means. J. E. Foley. 2,495,515, Jan. 24.
Transmission control system. L. B. Forman. 2,513,791, July 4.
Transmission control system, Forward and reverse. W. G. Van Voorhis. 2,503,891, Apr. 11.
Transmission coupling device. G. E. Burks, J. W. Bridwell, G. T. Lundberg, and A. W. Sieving. 2,535,388, Dec. 26.
Transmission device, Variable speed. A. Wyzenbeek. 2,503,462, Apr. 11.
Transmission, Discontinuous control. L. Bréguet and R. Devillers. 2,505,381, Apr. 25.
Transmission, Electric wave. R. S. Ohl. 2,522,395, Sept. 12.
Transmission, Electromechanically controlled planetary. A. Y. Dodge. 2,532,897, Dec. 5.

Transmission, Five-speed. P. Orr. 2,511,539, June 13.
Transmission for autocycles, Drive. A. C. Thornton. 2,493,275, Jan. 3.
Transmission for bicycles and other wheeled vehicles, Speed-changing geared. R. W. Irwin. 2,494,558, Jan. 17.
Transmission for corn picker rolls, Reversing. H. D. Flora. 2,525,481, Oct. 10.
Transmission for dual engine drives. A. T. Gregory. 2,505,857, May 2.
Transmission for grass mower traction wheels, Power. C. O. Howard. 2,500,077, Mar. 7.
Transmission for helicopters, Forward rotor. C. C. Miller, Jr. 2,520,887, Aug. 29.
Transmission for slow-motion signs. S. Drews. 2,528,122, Oct. 31.
Transmission for trucks, Drop gear. R. Lapsley. 2,524,598, Oct. 3.
Transmission gearing for use on driving shafts. J. S. Wearn. 2,519,723, Aug. 22.
Transmission, Guided motion. J. Dedieu. 2,522,607, Sept. 19.
Transmission having rotatable fluid transfer unit between rotors, Variable area sliding vane. A. F. Thal. 2,524,278, Oct. 3.
Transmission, Hydraulic. H. Ernst and A. H. Dall. 2,535,909, Dec. 26.
Transmission, Hydraulic. E. K. Foos. 2,499,059, Feb. 28.
Transmission, Hydraulic. F. W. Wenz. 2,519,523, Aug. 22.
Transmission, Hydraulic differential. F. F. Lázaga. 2,517,897, Aug. 8.
Transmission, Hydraulically controlled. C. L. Feng. 2,517,188, Aug. 1.
Transmission line, Adjustable length coaxial. J. L. Clark. 2,521,829, Sept. 12.
Transmission line, Artificial. N. E. Beverly. 2,526,321, Oct. 17.
Transmission line, Bent coaxial. C. W. Jones. 2,530,064, Nov. 14.
Transmission line, Convolved. N. E. Lindenblad. 2,503,955, Apr. 11.
Transmission line, Delay. G. F. Waggoner. 2,507,358, May 9.
Transmission line, Folded wave signal. H. A. Wheeler. 2,502,359, Mar. 28.
Transmission line measuring apparatus. O. M. Woodward, Jr. 2,527,979, Oct. 31.
Transmission line seal for electron discharge devices. C. S. Bull. 2,504,494, Apr. 18.
Transmission line section, Radio-frequency. H. E. Kallmann. 2,512,945, June 27.
Transmission line system, Ultra high frequency. E. L. Ginzton. 2,534,437, Dec. 19.
Transmission lines, Making concentric. L. J. Wolf. 2,510,358, June 6.
Transmission lubricating means. D. S. Dence. 2,519,122, Aug. 15.
Transmission lubrication. R. S. Taylor. 2,518,837, Aug. 15.
Transmission means, Variable angle. H. F. Hunick. 2,504,197, Apr. 18.
Transmission, Mechanical. C. P. Williams. 2,496,572, Feb. 7.
Transmission mechanism. F. R. McFarland. 2,515,831, July 18.
Transmission mechanism. F. R. McFarland. 2,530,310, Nov. 14.
Transmission mechanism. C. D. Peterson and A. H. Deimel. 2,519,279, Aug. 15.
Transmission mechanism. C. E. Schou. 2,529,423, Nov. 7.
Transmission mechanism. J. S. Sharpe. 2,505,745, Apr. 25.
Transmission mechanism. F. N. Stover. 2,503,521, Apr. 11.
Transmission mechanism. C. A. Tea. 2,509,997, May 30.
Transmission mechanism, Controlled differential. E. F. Norelius. 2,533,611, Dec. 12.
Transmission mechanism, Frictional reversible. G. W. Gibbs. 2,495,518, Jan. 24.
Transmission mechanism, Pawl and ratchet. E. V. Barker. 2,504,623, Apr. 18.
Transmission mechanism, Power. J. H. Wilson. 2,499,287, Feb. 28.
Transmission, Multispeed. S. W. Baker. 2,506,986, May 9.
Transmission, Multispeed gear. J. J. Campodonico and T. Castberg. 2,500,308, Mar. 14.
Transmission of television signals, Multiplex. H. J. Schrader. 2,527,967, Oct. 31.
Transmission operating means. H. W. Price. 2,520,734, Aug. 29.
Transmission operating mechanism. R. P. Breese. 2,503,026, Apr. 4.
Transmission operating mechanism. R. H. Long. 2,514,002, July 4.
Transmission operating mechanism. E. R. Price. 2,506,105, May 2.
Transmission operating mechanism. H. W. Price. 2,531,701, Nov. 28.
Transmission, Power take-off. H. J. Greiner. 2,493,132, Jan. 3.
Transmission, Self-compensating mechanical power. H. L. Gates. 2,523,822, Sept. 26.
Transmission shifting mechanism. C. A. Gustafson. 2,517,871, Aug. 8.
Transmission, Speed change. E. E. Wemp. 2,518,734, Aug. 15.
Transmission, Synchronizing. J. M. Simpson. 2,515,270, July 18.
Transmission system. D. Mitchell. Re. 23,313, Dec. 26.
Transmission system, Band-pass signal. N. I. Korman and C. G. Sontheimer. 2,510,022, May 30.
Transmission system, Data. J. N. Marshall. 2,499,225, Feb. 28.
Transmission system, Electrical power. J. M. Pestarini. 2,501,477, Mar. 21.
Transmission system, Electronic pulse. W. L. Roberts. 2,512,680, June 27.
Transmission system for musical instruments, Electrical. J. M. Hanert. 2,495,581, Jan. 24.
Transmission system for speedometers and the like, Electrical. J. W. Dickey. 2,511,698, June 13.
Transmission system, Frequency-modulated. G. T. Royden. 2,495,776, Jan. 31.
Transmission system, Frequency modulation. J. L. Hurault. 2,519,836, Aug. 22.
Transmission system, High-frequency. M. A. Herlin. 2,501,052, Mar. 21.
Transmission system, including auxiliary cable system, Repeatered electrical. O. B. Jacobs. 2,504,692, Apr. 18.
Transmission system, Intelligence. G. L. Fredendall and A. C. Schroeder. 2,502,213, Mar. 28.
Transmission system, Intelligence. W. A. Schwalm. 2,533,146, Dec. 5.
Transmission system, Interference. M. Cawein and J. D. Schantz. 2,531,398, Nov. 28.
Transmission system, Mechanical. C. W. Berthiez. 2,507,555, May 16.
Transmission system, Microwave. R. L. Sproull. 2,517,731, Aug. 8.
Transmission system, Pulse. J. A. Krumhansl. 2,497,411, Feb. 14.
Transmitting system, Radio-electric. R. Villem. 2,529,667, Nov. 14.
Transmission system, Radio-frequency. H. E. Bryan. 2,510,064, June 6.
Transmission system, Secret message. M. E. Mohr. 2,517,587, Aug. 8.
Transmission, Two-speed rear axle. V. E. Murray. 2,529,623, Nov. 14.
Transmission unit for motor vehicles. M. B. de la Rosa and D. C. Garcia. 2,506,999, May 9.
Transmission unit, Gear type power. A. Murat. 2,524,467, Oct. 3.
Transmission unit, Planetary. A. O. Roberts. 2,507,050, May 9.
Transmission, Variable ratio. M. C. Carbonaro. 2,526,117, Oct. 17.
Transmission, Variable-speed. L. A. Graham. 2,535,409, Dec. 26.
Transmission, Variable-speed. C. W. Lanphere. 2,516,059, July 18
Transmission, Variable-speed. D. L. Lotts. 2,510,749, June 6.
Transmission, Variable-speed. E. Orshansky, Jr. 2,493,418, Jan. 3.
Transmission, Variable-speed. C. F. Voytech. 2,531,996, Nov. 28.
Transmission, Variable-speed cone type. P. N. Rawson. 2,528,244, Oct. 31.
Transmission, Variable speed power. L. E. Shaw. 2,532,124, Nov. 28.
Transmission, Varispeed washer. W. B. Elder. 2,499,473, Mar. 7.
Transmission with pressurized reservoir, Hydraulic. J. K. Douglas. 2,504,665, Apr. 18.
Transmit-receive device. B. B. Cork. 2,522,861, Sept. 19.
Transmitter. B. H. Breedlove. 2,526,001, Oct. 17.
Transmitter. C. J. Fitch and R. N. Eichorn. 2,521,353, Sept. 5.
Transmitter and receiver, Facsimile. L. A. Thompson. 2,523,400, Sept. 26.
Transmitter and receiver for single-sideband signals. E. H. Hugenholtz. 2,530,614, Nov. 21.
Transmitter, Automatic telegraph. L. E. Gardiner. 2,497,722, Feb. 14.
Transmitter, Beacon. F. de Fremery and C. J. de la Sabionière. 2,523,900, Sept. 26.
Transmitter biasing circuit. J. J. Slattery. 2,520,174, Aug. 29.
Transmitter buoy. G. H. Arenstein. 2,497,852, Feb. 21.
Transmitter, Controlled carrier. R. B. Edwards. 2,521,052, Sept. 5.
Transmitter, Float controlled capacitor. C. A. de Giers and A. Edelman. 2,511,398, June 13.
Transmitter for frequency-modulated radio communication systems R. M. Sprague and P. J. Pontecorvo. 2,509,789, May 30.
Transmitter, Frequency-modulated. V. J. Cooper. 2,502,557, Apr. 4.
Transmitter having frusto-conical back electrode, Telephone. H. W. Bryant. 2,532,694, Dec. 5.
Transmitter, Liquid level electrical. H. E. Kaminky. 2,524,261, Oct. 3.

Transmitter, Load responsive pressure. R. S. Bohannan. 2,531,104, Nov. 21.
Transmitter, Magnetostrictive. E. E. Mott. 2,497,901, Feb. 21.
Transmitter monitor. B. Trevor and K. G. MacLean. 2,510,531, June 6.
Transmitter, Picture and sound. H. de France. 2,510,621, June 6.
Transmitter, Picture and sound. P. E. Funderburg. 2,504,972, Apr. 25.
Transmitter, Portable interference. E. M. Williams and E. V. Cousy. 2,515,282, July 18.
Transmitter, Position-type telemeter. W. C. Hahn. 2,527,215, Oct. 24.
Transmitter-receiver connections in radio object-locating systems. J. R. Moore. 2,497,092, Feb. 14.
Transmitter-receiver for radio communication systems, Combined. G. G. Bruck, R. M. Sprague, and M. C. Vosburgh. 2,500,795, Mar. 14.
Transmitter-recorder, Combined facsimile. F. E. d'Humy, H. P. Corwith, R. D. Parrott, and F. L. O'Brien. 2,511,837, June 20.
Transmitter scanning system, Facsimile. W. G. H. Finch and G. H. Hohmann. 2,506,017, May 2.
Transmitter, Seismic wave. R. S. Dahlberg, Jr. 2,522,433, Sept. 12.
Transmitter, Subscription type television. A. Ellett. 2,531,974, Nov. 28.
Transmitter, Telegraph. A. E. Thompson and R. D. Salmon. 2,498,724, Feb. 28.
Transmitter, Telegraph. W. J. Zenner. 2,534,494, Dec. 19.
Transmitter, Telegraphic measuring. P. Pellé. 2,494,194, Jan. 10.
Transmitter, Telemetric. J. M. Brady. 2,526,631, Oct. 24.
Transmitter, Telephone signal. W. A. Marrison. 2,508,526, May 23.
Transmitter to power line during calls, Filter connecting telephone. L. Hochgraf. 2,516,211, July 25.
Transmitter, Ultra high frequency radio. R. S. Hope. 2,535,067, Dec. 26.
Transmitter unit for hydraulic telemotor systems. P. E. Forsythe. 2,505,392, Apr. 25.
Transmitter, Variable impulse. G. Deakin. 2,502,440, Apr. 4.
Transmitter, Variable speed power. J. B. Gordon. 2,527,631, Oct. 31.
Transmitter with digit indicating mechanism, Telephone call. E. Goldberger. 2,502,517, Apr. 4.
Transmitter with feedback, Phase modulated. J. H. Pratt. 2,501,355, Mar. 21.
Transmitter with frequency modulation. S. M. Rodhe. 2,504,050, Apr. 11.
Transmitter with photocells, Automatic telephone. H. C. Savino. 2,505,069, Apr. 25.
Transmitter with radial slots in the carbon chamber, Telephone. R. R. Stevens. 2,527,159, Oct. 24.
Transmitter with removable number plate and means for adjusting the main spring, Dial. R. P. Arthur. 2,503,538, Apr. 11.
Transmitter with spindle mechanism, Slidable call. B. J. Brander. 2,503,542, Apr. 11.
Transmitting apparatus, Angular motion. A. P. Adamson. 2,508,985, May 23.
Transmitting apparatus, Automatic radio. E. Fennessy and G. E. Roberts. 2,500,809, Mar. 14.
Transmitting device. K. Posthumus. 2,534,624, Dec. 19.
Transmitting device, Motion. J. C. Albright. 2,534,497, Dec. 19.
Transmitting device, Photoelectric motion. T. M. Berry. 2,503,023, Apr. 4.
Transmitting of information in drill holes. S. A. Scherbatskoy. 2,507,351, May 9.
Transmitting-receiving circuit arrangement for short waves. A. van Weel. 2,505,655, Apr. 25.
Transmitting system, Pulse. F. H. Shepard, Jr. 2,508,895, May 23.
Transmitting system, Radio. L. W. Franklin. 2,493,484, Jan. 3.
Transmitting unit and changeable toolholder, Portable power. G. G. Gibbs. 2,501,386, Mar. 21.
Transonic airfoil design. W. W. Beman. 2,532,753, Dec. 5.
Transparency-positioning device for photographic apparatus. A. B. Simmons. 2,518,727, Aug. 15.
Transparent continuous baffle fare receiving receptacle. L. Coppold. 2,514,846, July 11.
Transparent display necktie press. A. M. Smith. 2,513,755, July 4.
Transparent-effect display. G. H. Messmore. 2,496,171, Jan. 31.
Transplanter drill set. C. Schneider. 2,534,798, Dec. 19.
Transponder tester circuit. D. K. Speed. 2,530,093, Nov. 14.
Transport container. R. Rausing. 2,493,163, Jan. 3.
Transport, Disk. R. Dilley. 2,493,230, Jan. 3.
Transport for power units. M. B. Stallard. 2,522,068, Sept. 12.
Transport mixer. E. D. Hunkins. 2,509,867, May 30.
Transport vehicle for pulverulent material. R. A. Norbom. 2,523,229, Sept. 19.
Transportation assembly. J. L. Evans and T. N. Busch. 2,530,866, Nov. 21.
Transportation of wood, Water. J. O'Halloran. 2,503,210, Apr. 4.
Transportation system, Vacuum tube. R. H. Goddard, 2,511,979, June 20.
Transporting refrigerated commodities, Method of and apparatus for. T. L. Peckinpaugh. 2,513,355, July 4.
Transversely engaging positive clutch. A. Y. Dodge. 2,498,399, Feb. 21.
Transversely movable piston type hydraulic coupling. W. Fraser. 2,498,801, Feb. 28.
Trap: *See*—

Animal trap.	Liquid air trap.
Automatic drain trap.	Minnow trap.
Automatic repeating animal trap.	Mole trap.
Backup trap.	Mouse and rat trap.
Bird trap.	Multirange wave trap.
Bullet trap.	Pickpocket trap.
Choker trap.	Precious metal trap.
Crab trap.	Rodent or animal trap.
Draft trap.	Rodent trap.
Drum trap.	Sand trap.
Electrocuting trap.	Sea food trap.
Fish trap.	Self-cleaning lint trap.
Insect electrocution trap.	Skeet trap.
Ion trap.	Steel jaw game trap.
Lethal animal trap.	Thermostatic steam trap.
Lint trap.	Wild animal trap.

Trap. M. S. Dunkelberger. 2,525,533, Oct. 10.
Trap. H. W. Eggering. 2,502,836, Apr. 4.
Trap. W. C. Hain. 2,518,614, Aug. 15.
Trap. E. Hrabal. 2,495,454, Jan. 24.
Trap and gas cleaner, Combined flame. R. H. Fett. 2,527,004, Oct. 24.
Trap chamber within supply chamber for measuring and dispensing liquids, Coin-controlled, movable. J. P. Flem. 2,511,907, June 20.
Trap, Chemical gun. H. R. Graybill. 2,515,447, July 18.
Trap door hopper top. M. T. Dick. 2,531,503, Nov. 28.
Trap for defrosting refrigerators, Heat dome. T. R. Smith. 2,511,419, June 13.
Trap for minnows and small fish, Baitless. C. D. Palmer. 2,533,617, Dec. 12.
Trap for multiple combustion chamber reso-jet motors, Shock wave. J. Y. Dunbar. 2,525,782, Oct. 17.
Trap for rats and other animals. J. R. Schoonhoven. 2,527,966, Oct. 31.
Trap for rocket propellents. C. N. Hickman. 2,502,458, Apr. 4.
Trap for rocket propellents. C. N. Hickman. 2,503,270, Apr. 11.
Trap for steam irons, Condensation. A. J. Weber. 2,495,397, Jan. 24.
Trap having an air seal cutoff, Measuring. W. L. Haid. 2,524,125, Oct. 3.
Trap hook. A. G. Tackett. 2,498,612, Feb. 21.
Trap of springy sheet material, Two-piece rodent. C. E. Colling. 2,526,199, Oct. 17.
Trap setting device. A. E. Lines. 2,494,567, Jan. 17.
Trash clearing device for harrow teeth and the like. L. Cieslak. 2,520,117, Aug. 29.
Travel and load limit system for screw actuators. J. E. Chapman. 2,531,109, Nov. 21.
Travel reservation control mechanism. F. L. Wassell. 2,509,659, May 30.
Traveler for ring twisters. H. J. Potts. 2,520,471, Aug. 29.
Traveling block. G. D. Johnson. 2,502,570, Apr. 4.
Traveling block. A. R. Maier. 2,511,729, June 13.
Traveling block limit control. C. W. Halderman. 2,530,766, Nov. 21.
Traveling mold. F. Finnemore. 2,506,716, May 9.
Traveling roller and radial bearing. W. G. Forkey. 2,526,341, Oct. 17.
Traveling underwater compressed air working chamber. C. Goodman. 2,519,453, Aug. 22.
Traveling water intake screen. R. F. Bergmann, R. W. Suman, and H. F. Watson. 2,525,516, Oct. 10.
Traverse. H. C. Howsam. 2,535,737, Dec. 26.
Traverse mechanism for winding machines. W. H. Kreamer. 2,529,559, Nov. 14.
Trawling device. H. A. Scheel. 2,504,091, Apr. 11.
Tray. F. P. Yoars. 2,510,453, June 6.
Tray and cover, Ice. G. J. van Lennep. 2,503,693, Apr. 11
Tray and grid assembly, Ice. R. M. Storer. 2,507,835, May 16.
Tray and grid, Ice. C. R. Carney. 2,499,903, Mar. 7.
Tray and grid, Ice. D. H. Reeves. 2,518,373, Aug. 8.
Tray and grid therefor, Ice. R. M. Storer. 2,503,306, Apr. 11.
Tray and method, Pill and capsule dispensing. M. M. King. 2,507,792, May 16.
Tray, Anterior dental. V. V. Ushanoff. 2,533,855, Dec. 12.
Tray attachment for adding machines, typewriters, and the like. C. A. Lundahl. 2,535,743, Dec. 26.
Tray attachment for infants' collapsible bath stands. W. C. Baxter. 2,524,873, Oct. 10.
Tray, Automobile. C. H. Harris. 2,530,876, Nov. 21.
Tray, Baking. L. A. Collins. 2,514,845, July 11.
Tray, Beautician's. W. Nussbaum. 2,533,893, Dec. 12.

Tray, Beverage. R. J. Shelley. 2,525,243, Oct. 10.
Tray blank and tray, Foldable. G. G. Grinnell. 2,532,808, Dec. 5.
Tray, Card filing. G. C. Bruen. 2,522,986, Sept. 19.
Tray carrier. O. Meers. 2,510,646, June 6.
Tray, Chair. A. K. Peterson and H. Wentworth.
Tray chest. R. D. Sulentic. 2,501,879, Mar. 28. 2,531,080, Nov. 21.
Tray, Child's feeding. L. E. Sheldon. 2,530,736, Nov. 21.
Tray, Cigarette. C. J. Ketcham. 2,519,969, Aug. 22.
Tray, Collapsible automobile. J. E. Hoder. 2,509,060, May 23.
Tray, Collapsible ironing. H. H. Tiegs. 2,514,813, July 11.
Tray, Cup-carrying. L. W. Cochrane. 2,533,997, Dec. 12.
Tray, Desk. E. Bergman. 2,524,877, Oct. 10.
Tray, Detachable bicycle carrier-universal detachable. C. W. Baron. 2,531,902, Nov. 28.
Tray, Display. W. H. Cranston. 2,501,379, Mar. 21.
Tray, Drip. W. W. Woodward. 2,511,189, June 13.
Tray, File. E. Miller. 2,503,833, Apr. 11.
Tray, Flatware. E. J. Rau. 2,511,542, June 13.
Tray for administering enemas to babies, Irrigation. V. C. Thompson. 2,535,336, Dec. 26.
Tray for beverage glasses and the like, Cooling. V. M. Booker. 2,515,367, July 18.
Tray for infants' high chairs, Auxiliary. F. M. Nelson. 2,526,576, Oct. 17.
Tray for infants' training chairs. M. H. Scott. 2,532,953, Dec. 5.
Tray for making ice cubes of various designs and shapes. B. H. De Brocke. 2,505,947, May 2.
Tray for meat slicing machines, Reciprocating receiving. C. Klingens. 2,528,888, Nov. 7.
Tray for stenographic typewriters, Paper supply and receiving. H. M. Von Duyke. 2,534,391, Dec. 19.
Tray, Freezing. R. R. Hobson. 2,509,000, May 23.
Tray, Freezing. F. W. Sampson. 2,496,133, Jan. 31.
Tray, Freezing. F. W. Sampson. 2,516,257, July 25.
Tray, Hair. E. R. Kenna. 2,527,098, Oct. 24.
Tray, Hair treatment. J. A. Rugh. 2,501,829, Mar. 28.
Tray, High chair. A. M. Boudreau. 2,522,087, Sept. 12.
Tray, High chair. B. J. Greenbaum. 2,505,490, Apr. 25.
Tray, Ice. M. K. Buchanan. 2,495,506, Jan. 24.
Tray, Ice. L. G. Copeman. 2,514,476, July 11.
Tray, Ice. D. L. Jocelyn. 2,494,043, Jan. 10.
Tray, Ice. E. H. Lutz. 2,515,457, July 18.
Tray, Ice. J. H. Roethel. 2,497,743, Feb. 14.
Tray, Ice. J. H. Roethel. 2,498,964–5, Feb. 28.
Tray, Ice. J. H. Roethel. 2,520,892, Aug. 29.
Tray, Ice. M. Siebigteroth. 2,506,392, May 2.
Tray, Ice. R. S. Taylor. 2,535,176, Dec. 26.
Tray, Ice. G. J. van Lemnep. 2,531,714, Nov. 28.
Tray, Ice cube. M. K. Buchanan. 2,496,331, Feb. 7.
Tray, Ice cube. L. L. Mallard. 2,532,113, Nov. 28.
Tray, Ice-making. L. R. Smith. 2,493,270, Jan. 3.
Tray, Impression. S. L. Jefferies. 2,506,875, May 9.
Tray, Infant's dressing. C. R. Gunter. 2,493,401, Jan. 3.
Tray, Mechanical freezing. F. W. Sampson. 2,525,273, Oct. 10.
Tray or receptacle, Cigarette. S. M. Dickson. 2,505,351, Apr. 25
Tray, Paperboard serving. W. L. Peiker. 2,512,963, June 27.
Tray, Photographic. M. Wiener and M. H. Locker.
Tray, Posting. S. Segal. 2,520,738, Aug. 29.
Tray, Soap. C. H. Dantzler. 2,505,387, Apr. 25.
Tray, Soap ejector. R. C. Kisselburg. 2,504,536, Apr. 18. 2,503,308, Apr. 11.
Tray, Showcase. A. A. Hudock. 2,512,233, June 20.
Tray supporting means. W. McArthur. 2,530,020, Nov. 14.
Tray-table unit, Foldable. C. H. Wilson. 2,514,735, July 11.
Tray type liquid fuel burner. H. I. Piatt and C. P. Thomas. 2,494,104, Jan. 10.
Tray with transparent wrapper, Folded partitioned. C. S. Smith. 2,528,016, Oct. 31.
Traylike folding structure. M. I. Williamson. 2,522,325, Sept. 12.
Tread and guide, Escalator step. R. F. Loughridge. 2,535,501, Dec. 26.
Tread-belt link and cooperating driving tumbler. T. O. Davidson. 2,530,379, Nov. 21.
Tread, Producing a skid-resistant. P. E. Hawkinson. Re. 23,235, May 30.
Treading tires, Method and apparatus for. A. J. Musselman. 2,494,958, Jan. 17.
Treadle switch. C. N. Merralls and H. E. Melchior. 2,493,157, Jan. 3.
Treater for ores, Rotary. B. Burwell. 2,521,896, Sept. 12.
Treating aconitic acid-containing plant extracts. D. W. Collier. 2,513,287, July 4.
Treating alcoholic liquors. D. L. Hulsman. 2,500,183, Mar. 14.
Treating aluminum surfaces. R. B. Mason. 2,507,314, May 9.
Treating a polymeric nitrile with hydrazine. H. W. Arnold. 2,497,526, Feb. 14.
Treating a water base drilling mud to remove contaminating sulfate ions. W. E. Bergman. 2,529,760, Nov. 14.
Treating and testing cores used in coaxial cable units, Method of and apparatus for. E. Bertalan and E. U. Rice. 2,494,029, Jan. 10.
Treating barium and strontium sulfates. C. R. Brown. 2,509,585, May 30.
Treating bituminous materials. K. N. Yellott. 2,501,149, Mar. 21.
Treating brightened electro-tinplate. A. F. Prust. 2,503,217, Apr. 4.
Treating cartilage injuries. J. E. Murphy. 2,524,326, Oct. 3.
Treating cashmere or similar fleeces, Method and apparatus for. R. A. Fairbairn. 2,513,299, July 4.
Treating castor oil bean cake. E. le Breton and P. Gregory. 2,509,511, May 30.
Treating castor press cake. E. L. Breton and P. Gregory. 2,516,128, July 25.
Treating cellulose fibers with alkali metal hydroxide and copper-alkylolamine complex. T. C. Whitner. 2,512,558, June 20.
Treating cellulosic materials with trimethylolphenol. N. Drisch and R. Fays. 2,495,233–4, Jan. 24.
Treating chamber, Multicompartment. F. Feldmeier. 2,526,012, Oct. 17.
Treating chocolate raw materials. K. C. S. Aasted. 2,515,150, July 11.
Treating clay. N. Millman and J. B. Whitley. 2,535,647, Dec. 26.
Treating clay catalysts used for conversion of sulfur containing feeds. G. F. Hornaday. 2,494,556, Jan. 17.
Treating cotton seed. P. C. McLemore. 2,515,725, July 18.
Treating crude sulfate soap skimmings. C. B. F. Young and E. J. Calleton. 2,507,237, May 9.
Treating dilute aqueous rubber dispersions. I. Kemp. 2,499,588, Mar. 7.
Treating emulsions, Process and apparatus for. C. G. Kirkbride and T. A. Burtis. 2,494,392, Jan. 10.
Treating fatty acids. L. D. Myers. 2,520,470, Aug. 29.
Treating ferriferous metal surfaces with manganese phosphate coating solutions, Method of and material for. J. Mazia 2,516,139, July 25.
Treating ferrites. E. Albers-Schoenberg. 2,535,025, Dec. 26.
Treating fibrous cellulosic materials to impart flame resistance thereto, compositions therefor, and products thereof. A. M. Loukomsky, R. H. Kienle, and T. F. Cooke. 2,520,103, Aug. 22.
Treating filamentary materials. C. de Brabander. 2,502,129, Mar. 28.
Treating filamentary materials with liquid. I. S. Roberts. 2,524,177, Oct. 3.
Treating fluids by radiation. M. Pequignot. 2,501,290, Mar. 21.
Treating foodstuffs. P. L. Spencer. 2,495,429, Jan. 24.
Treating foodstuffs. A. E. Welch. 2,495,435, Jan. 24.
Treating fruit juice. M. E. Dunkley. 2,500,670, Mar. 14.
Treating hydrocarbons with hydrofluoric acid. J. A. Ridgway, Jr. 2,495,133, Jan. 17.
Treating keratinous materials. M. Harris and A. E. Brown. 2,508,714, May 28.
Treating latex, Method of and apparatus for. R. H. Fash. 2,502,445, Apr. 4.
Treating legumes to enhance coloration preparatory to freezing. J. R. Kenworthy, Jr. 2,520,214, Aug. 29.
Treating lipoidal material. R. H. Sifferd and J. D. Porsche. 2,494,726, Jan. 17.
Treating liquids under vacuum, Method and apparatus for. C. L. Peterson. 2,520,957, Sept. 5.
Treating low-grade fatty materials. W. J. Paterson. 2,521,742, Sept. 12.
Treating machine, Container. S. S. Jacobs. 2,512,651, June 27.
Treating manganese electroplating solutions. J. Koster. 2,511,507, June 13.
Treating materials dielectrically, Method and apparatus for. E. K. McMahon and P. W. Schutz. 2,494,716, Jan. 17.
Treating metal surfaces, Method and apparatus for electrolytically. C. W. Hangosky. 2,532,907, Dec. 5.
Treating metals in induction furnaces. M. Tama. 2,499,540, Mar. 7.
Treating paper and the resulting products. R. Thomas. 2,528,324, Oct. 31.
Treating petroleum distillates, Extensively. C. A. Cohen. 2,515,197, July 18.
Treating petroleum emulsions, Method of and apparatus for. A. V. B. Candler and W. A. Stover. 2,528,032, Oct. 31.
Treating photographic layers containing color formers with metal salt hardening agents. O. W. Murray. 2,534,050, Dec. 12.
Treating plastic concrete pavements. S. J. Cox. 2,509,675, May 30.
Treating polytriazoles. J. W. Fisher, E. W. Wheatley, and H. Bates. 2,512,628, June 27.
Treating potable liquids. F. S. Board and R. P. Robichaux. 2,516,099, July 25.
Treating precious and semiprecious stones, Thermally. D. M. Yenni and T. F. Hart. 2,527,669, Oct. 31.
Treating process for cadmium pigments. J. J. O'Brien. 2,504,147, Apr. 18.
Treating refractory articles. C. E. Buchwald and J. Ehret, Jr. 2,530,506, Nov. 21.

Treating rice paddy for milling. W. W. Jones and G. W. Brewer. 2,515,409, July 18.
Treating rubber. D. C. Chase. 2,514,841, July 11.
Treating rubber. A. C. Fulton. 2,500,352, Mar. 14.
Treating rubber springs. A. S. Krotz. 2,531,059, Nov. 21.
Treating searles lake brine. J. Wiseman, L. A. Blackmun, and H. D. Hellmers. 2,528,481, Oct. 31.
Treating seed and seed products. P. Vogelsang. 2,502,809, Apr. 4.
Treating sugar-containing solutions. J. J. Naugle. 2,515,353, July 18.
Treating synthetic polymers with phosphorus and sulfur and products obtained thereby. W. H. Smyers and D. W. Young. 2,494,592, Jan. 17.
Treating synthetic rubber coagulant effluent to recover aluminum salts. A. D. Miller and R. F. O'Connell. 2,495,120, Jan. 17.
Treating system for dielectric materials, High-frequency. W. L. Atwood. 2,504,955, Apr. 25.
Treating tall oil. J. J. Smerechniak and G. W. Barlow. 2,515,739, July 18.
Treating textile materials and the resulting products. R. Thomas. 2,528,323, Oct. 31.
Treating textiles with half-acid amide derivatives. C. M. Himel. 2,526,948, Oct. 24.
Treating the products of synthesis gas conversion. G. B. Arnold, H. V. Hess, and M. M. Stewart. 2,516,940, Aug. 1.
Treating tire treads, Method and apparatus for. C. W. Sanderson. 2,504,090, Apr. 11.
Treating vinegar. R. F. Cohee, Jr. 2,531,029, Nov. 21.
Treating wire products, Method and apparatus for. R. D. Green. 2,524,439, Oct. 3.
Treating wood. A. B. Anderson and A. Hermann. 2,500,783, Mar. 14.
Treating wooden battery separators. E. Farber. 2,507,773, May 16.
Treating wool and fabrics formed therefrom to increase their resistance to decomposition by heat. C. R. Barnes. 2,515,181, July 18.
Treating wool-containing textile materials. C. A. Amick. 2,515,107, July 11.
Treating woolen slivers and the like. A. T. Hammerle. 2,505,618, Apr. 25.
Treatment and purification of clay. H. Whittaker. 2,500,727, Mar. 14.
Treatment and transportation of hydrocarbons. G. G. Oberfell and R. C. Alden. 2,526,966, Oct. 24.
Treatment for the improvement of lubricating oils. P. H. Carnell. 2,529,484, Nov. 14.
Treatment of and package for dried fruit. E. M. Mrak, H. J. Phaff, R. E. Whelton, and C. D. Fisher. 2,511,987, June 20.
Treatment of cellulose. H. M. Buckwalter and P. D. Montgomery. 2,521,446, Sept. 5.
Treatment of cellulosic fibrous materials. H. C. Jansen and N. W. Barritt. 2,501,337, Mar. 21.
Treatment of cellulosic textile material to increase its water absorbency. D. M. Musser. 2,532,183, Nov. 28.
Treatment of coffee, etc. L. B. Himmel and R. V. Bush. 2,497,501, Feb. 14.
Treatment of contaminated naphtha. R. L. Heinrich and H. G. Schutze. 2,507,103, May 9.
Treatment of corn steepwater. G. W. Parsons. 2,515,157, July 11.
Treatment of cotton fabrics with urea-alkali-zincate solution. C. L. Mantell and O. K. Heim. 2,527,141, Oct. 24.
Treatment of crude rubber. F. M. Lewis and K. W. Doak. 2,515,307, July 18.
Treatment of earth formations. J. C. Searer, A. F. Shepard, and F. W. Less. 2,527,581, Oct. 31.
Treatment of expanded articles. O. H. Smith, and P. G. Roach. 2,525,966, Oct. 17.
Treatment of fabrics, yarns, threads, strands, and the like to render rubberized articles made therefrom more durable. M. R. Buffington. 2,501,988, Mar. 28.
Treatment of fibro-cement products. O. H. Waechter. 2,531,016, Nov. 21.
Treatment of fibrous cellulosic materials to impart flame resistance thereto, compositions therefor, and products thereof. A. M. Loukomsky, R. H. Kienle, and T. F. Cooke. 2,519,388, Aug. 22.
Treatment of filamentary materials, Process and apparatus for. W. A. Sisson. 2,509,279, May 30.
Treatment of filaments. J. A. Truitt. 2,513,381, July 4.
Treatment of filaments, foils, and similar articles. T. B. Frearson and T. Jackson. 2,520,202, Aug. 29.
Treatment of fruits and vegetables. D. E. Pryor. 2,522,535, Sept. 19.
Treatment of glyceride oils. S. W. Gloyer. 2,524,103, Oct. 3.
Treatment of glyceride oils. K. F. Mattil. 2,518,917, Aug. 15.
Treatment of glyceride oils. K. F. Mattil. 2,524,732, Oct. 3.
Treatment of grating structures. H. S. Nagin. 2,515,311, July 18.
Treatment of hydrocarbon type drying oils to effect an improvement in their drying qualities. E. M. Geiser. 2,513,558, July 4.

Treatment of impure calcium nitrate. M. H. R. J. Plusje and W. van der Zalm. 2,524,174, Oct. 3.
Treatment of Irish moss. A. E. Siehrs. 2,516,023–4, July 18.
Treatment of isomeric aromatic compounds. L. F. Brooke, G. E. Langlois, and A. E. Stickland. 2,521,444, Sept. 5.
Treatment of keratinaceous materials. H. L. Keil and J. S. Ingraham. 2,521,582, Sept. 5.
Treatment of keratinous material. M. Harris and A. E. Brown. 2,508,713, May 23.
Treatment of magnesium and magnesium base alloys to increase their resistance to corrosion. R. Gide. 2,512,493, June 20.
Treatment of materials consisting wholly or partly of wool. R. P. Foulds. 2,535,846, Dec. 26.
Treatment of materials containing tungsten compounds. K. C. Li and C. M. Dice. 2,535,217, Dec. 26.
Treatment of meat packing house products. H. K. Gillman. 2,525,293, Oct. 10.
Treatment of metals, chiefly of light alloys, Thermic. T. Bostroem. 2,525,203, Oct. 10.
Treatment of molds for making ceramic ware. J. A. Bower. 2,498,149, Feb. 21.
Treatment of molten stainless steel. H. Tanczyn. 2,510,154–5, June 6.
Treatment of oil-in-water emulsions. I. D. Hall. 2,504,019, Apr. 11.
Treatment of oils corrosive to copper. C. A. Cohen. 2,527,176, Oct. 24.
Treatment of pigment comprising calcium carbonate. H. R. Rafton. 2,498,005, Feb. 21.
Treatment of pitchblende ores. H. C. Thomas and A. S. Tomcufcik. 2,506,945, May 9.
Treatment of polyene compounds. A. W. Ralston, O. Turinsky, and L. Van Akkeren. 2,498,133, Feb. 21.
Treatment of polymeric materials. D. E. Strain. 2,534,078, Dec. 12.
Treatment of potatoes, Prefrying. J. L. Baxter. 2,498,024, Feb. 21.
Treatment of protein-containing textile materials and products thereof. E. L. Kropa and A. S. Nyquist. 2,499,653, Mar. 7.
Treatment of raw plant tissue. F. P. Greenspan and P. H. Margulies. 2,512,640, June 27.
Treatment of regenerated cellulose fabrics with urea-alkali-zincate solution. C. L. Mantell and T. J. Dabrowski. 2,527,142, Oct. 24.
Treatment of regenerated cellulose fabrics with urea-alkali-stannate solution. C. L. Mantell and T. J. Dabrowski. 2,527,143, Oct. 24.
Treatment of rock asphalt oil shales, and like material. L. F. K. van Dongen. 2,524,859, Oct. 10.
Treatment of rubberlike polymers from butadiene hydrocarbons with carboxylic acid anhydrides. R. Buret. 2,524,424, Oct. 3.
Treatment of sewage, Method of and apparatus for. L. S. Kraus. 2,517,792, Aug. 8.
Treatment of spent bleaching agents. W. M. Leaders and W. Argue. 2,509,509, May 30.
Treatment of spinnerettes. A. Cresswell. 2,515,697, July 18.
Treatment of synthetic fibers with formaldehyde. S. B. McFarlane and G. E. Moos. 2,514,550, July 11.
Treatment of synthetic gasoline. P. H. Johnson. 2,501,223, Mar. 21.
Treatment of textile fabrics with polyvinyl compound. H. Ewing. 2,517,646, Aug. 8.
Treatment of unrendered fat with nordihydroguaiaretic acid. A. Fonyo. 2,535,910, Dec. 26.
Treatment of uranium chlorides. A. V. Grosse. 2,533,315, Dec. 12.
Treatment of vegetable matter preparatory to dehydration. C. Birdseye. 2,509,719, May 30.
Treatment of vinyl resins, Antisticking. G. P. Rowland and R. H. Steiner. 2,514,191, July 4.
Treatment of waters for human consumption and iodine-diglycine hydriodide composition useful in such treatment. W. S. Frost. 2,517,651, Aug. 8.
Treatment of well-drilling fluids. J. R. Farrow. 2,525,783, Oct. 17.
Treatment of wood tar distillates. R. H. Rosenwald. 2,507,649, May 16.
Treatment of wool and other animal fibers. L. Maaskant. 2,519,842, Aug. 22.
Treatment of wool to increase its harshness and decrease its luster. S. E. Swanson. 2,534,316, Dec. 19.
Treatment of wool to increase its harshness and fullness and to decrease its luster. S. E. Swanson. 2,534,315, Dec. 19.
Treatment of woolen pile fabrics. J. Caspé. 2,501,435, Mar. 21.
Treatment of zinc surfaces. G. R. Waitkins and R. S. Shutt. 2,522,474, Sept. 12.
Treble action for accordions. W. B. Ahern and A. J. Walt. 2,495,913, Jan. 31.
Tree, Artificial Christmas. R. J. Recktenwald. 2,519,690, Aug. 22.
Tree banding composition, Selective. B. Hubert. 2,535,209, Dec. 26.
Tree display, Ornamental. H. W. Smith. 2,503,359, Apr. 11.

Tree holder. B. D. Dyer. 2,531,117, Nov. 21.
Tree holder. C. E. Franklin. 2,502,040, Mar. 28.
Tree holder. J. E. Richards and E. A. Quinn. 2,516,802, July 25.
Tree holder and tree watering pan, Combined Christmas. H. G. Miller. 2,532,931, Dec. 5.
Tree grubber. W. R. Cusenbary. 2,506,662, May 9.
Tree planter. S. L. Miller and L. W. Amort. 2,530,260, Nov. 14.
Tree stand. E. M. McDonald. 2,524,460, Oct. 3.
Tree support. R. O. Bell. 2,501,255, Mar. 21.
Trellis. A. S. Kouri. 2,530,015, Nov. 14.
Trench digger blade construction. F. J. Schmidt. 2,519,076, Aug. 15.
Trench digging machine. F. J. Schmidt. 2,519,077, Aug. 15.
Trepans, Automatic. M. Hainault. 2,525,669, Oct. 10.
Trephine. J. D. Karle. 2,504,075, Apr. 11.
Treponema pallidum culture and products thereof. R. R. Ichelson. 2,513,327, July 4.
Trestle, Folding. I. Shakowitz. 2,506,896, May 9.
Trestle, Stackable. C. J. Ernst. 2,505,532, Apr. 25.
Triacyl nitrophenylpropaneaminodiols and preparation thereof. H. M. Crooks, Jr., M. C. Rebstock, J. Controulis, and Q. R. Bartz. 2,514,376, July 11.
Trialkylamine salts of penicillin and the purification of penicillin. N. E. Rigler. 2,530,488, Nov. 21.
Trialkyl ammonium halides of benzhydrylaminoethyl ether. G. Rieveschl, Jr., and R. W. Fleming. 2,499,417, Mar. 7.
Trialkyl silane derivative of ricinoleic acid ester. K. A. Earhart. 2,496,340, Feb. 7.
Triallyl borates, Preparation of. E. P. Irany. 2,523,433, Sept. 26.
Triallyl cyanurate and insecticidal compositions containing the same. J. R. Dudley. 2,510,564, June 6.
Triamino benzene monohydrate. A. McLean, W. E. Tetlow, and J. Munro. 2,501,907, Mar. 28.
Triangular signal generator. W. A. Miller. 2,522,957, Sept. 19.
Triangle, Adjustable. K. J. De Juhasz. 2,515,761, July 18.
Triazenes, Preparing. H. H. Richmond. 2,521,095, Sept. 5.
Triazine brightening agents for organic materials and their manufacture. E. Keller and R. Zweidler. 2,526,668, Oct. 24.
Triazine derivatives and preparing the same. D. Holm-Hansen. 2,513,264, June 27.
Triazine derivatives and preparing the same. P. Adams. 2,508,323, May 16.
Triazole compounds. J. D. Kendall and H. G. Suggate. 2,534,914, Dec. 19.
Triazole polymers, Treatment of. J. W. Fisher, H. Bates, and E. W. Wheatley. 2,512,624, June 27.
Trichloro ether esters, Preparation of. W. J. Croxall, and M. F. Fegley. 2,526,008, Oct. 17.
Tricycle. L. M. J. Foulke. 2,529,930, Nov. 14.
Tricycle. M. J. Frenchik. 2,518,537, Aug. 15.
Tricycle and bicycle, Combination. J. W., Jr., and M. J. Gallo. 2,512,524, June 20.
Tricycle, Two-seated. H. S. Williams. 2,493,561, Jan. 3.
Tri-(cyclic-lower alkylene mercapto)-S-antimonous acids. L. W. Clemence and M. T. Leffler. 2,510,740, June 6.
Triethylenemelamine, Preparation of. V. P. Wystrach and D. W. Kaiser. 2,520,619, Aug. 29.
Trifluorobromomethane. H. Waterman. 2,531,372, Nov. 21.
Trigger and switch circuits, Electronic. C. E. Cleeton. 2,534,233, Dec. 19.
Trigger circuit. J. T. Potter. 2,512,750, June 27.
Trigger control device. C. J. Gross. 2,499,497, Mar. 7.
Trigger device. E. T. Wilbur. 2,514,433, July 11.
Trigger, Electrical. M. L. Wood. 2,524,154, Oct. 3.
Trigger, Electronic. C. A. Bergfors. 2,506,439, May 2.
Trigger for jumping animal traps. J. F. Strmiska. 2,498,463, Feb. 21.
Trigger mechanism. A. C. Pierce. 2,533,283, Dec. 12.
Trigger mechanism for automatic fire arms. E. Hepperle. 2,524,258, Oct. 3.
Trigger mechanism, Release type. J. H. Garner. 2,513,162, June 27.
Triggered electronic sweep generator. B. C. Fleming-Williams and A. Allen. 2,494,865, Jan. 17.
Triggered pulse generator. W. C. Hahn. 2,505,542, Apr. 25.
Triggering circuit. J. B. Atwood and R. E. Schock. 2,511,093, June 13.
Trig-meter. W. D. McPartlin. 2,521,930, Sept. 12.
Trim attaching device. G. J. Soukup. 2,495,870, Jan. 31.
Trim strip applicator tool. R. A. Williams. 2,518,106, Aug. 8.
Trimmer and lawn mower, Combination hedge. W. G. Gordon. 2,502,943, Apr. 4.
Trimmer condenser. E. L. Hall and L. W. Schreiner. 2,516,981, Aug. 1.
Trimmer, Corn ear. R. Cover. 2,511,464, June 13.
Trimmer, Grass. R. T. Gleisen. 2,506,638, May 9.
Trimmer, Grass. W. N. Little, Sr. 2,513,730, July 4.
Trimmer, Hair. L. F. Leedy. 2,514,774, July 11.
Trimmer, Hair. N. Shaeffer. 2,512,289, June 20.
Trimmer, Hedge. V. Decarlo. 2,497,211, Feb. 14.
Trimmer, Hedge. P. E. Markham. 2,497,999, Feb. 21.
Trimmer, Hedge. W. T. Maxant. 2,498,564, Feb. 21.
Trimmer, Hoof. P. H. Howe. 2,523,368, Sept. 26.
Trimmer, Lawn. Y. K. Arase. 2,526,317, Oct. 17.
Trimmer, Lawn. G. A. De Vlieg. 2,510,387, June 6.
Trimmer, Lawn. B. G. Morgan. 2,503,757, Apr. 11.
Trimmer, Lawn. P. Shearer. 2,500,434, Mar. 14.
Trimmer, Lawn. H. B. Wessendorf. 2,528,929, Nov. 7.
Trimmer, Lawn and hedge. J. B. St. Germain. 2,522,070, Sept. 12.
Trimmer, Lawn edge. R. C. Ledbetter. 2,499,070, Feb. 28.
Trimmer mechanism for sewing machines. B. P. Pinkvoss. 2,533,197, Dec. 5.
Trimmer or edger, Lawn. A. E. Miller. 2,503,348, Apr. 11.
Trimmer, Palm tree. R. C. Luplow. 2,504,856, Apr. 18.
Trimming and pasting device, Paper. A. Inserra. 2,507,162, May 9.
Trimming apparatus, Mobile. H. E. Stout. 2,513,119, June 27.
Trimming apparatus, Watch stem. W. E. Frisk. 2,513,635, July 4.
Trimming machine. L. C. Shippy, and E. H. Sy. 2,526,163, Oct. 17.
Trimming machine, Bellows. S. W. Steele. 2,528,731, Nov. 7.
Trimming machine, Heel breast flap. L. Sabo. 2,511,999, June 20.
Trimming machine, Panel. A. G. Anderson. 2,501,299, Mar. 21.
Trimming tool. A. Canton. 2,516,448, July 25.
Trimesates, Preparation of. M. F. Fegley and W. J. Croxall. 2,507,509, May 16.
Tri-nitro 3-pentadecyl phenols. C. R. Dawson and D. Wasserman. 2,502,437, Apr. 4.
Trinuclear cyanine dyes containing a terminal 5- and 6-membered heterocyclic ring system, Preparing. T. R. Thompson. 2,535,994, Dec. 26.
Trinuclear cyanine dyes, Preparing. T. R. Thompson. 2,535,993, Dec. 26.
Trip actuating mechanism, Fluid pressure operated. B. S. Ferguson. 2,519,311, Aug. 15.
Trip mechanism. N. F. Brown. 2,515,291, July 18.
Trip mechanism for dump bodies. J. J. Roura, Jr. 2,519,153, Aug. 15.
Trip movement for watchmen's patrol boxes. E. C. Engelmann. 2,522,933, Sept. 19.
Trip rope holder. H. Houser. 2,493,247, Jan. 3.
Tripping mechanism for printing machines. E. W. Goodwin. 2,517,868, Aug. 8.
Triple-action blast furnace gas washer. I. E. Sheward. 2,507,821, May 16.
Tripod. C. J. Cardona. 2,534,659, Dec. 19.
Tripod. P. J. Ries. 2,518,817, Aug. 15.
Tripod head. J. F. Schroeder. 2,532,122, Nov. 28.
Tripod head for cameras and the like. E. P. Evers. 2,530,294, Nov. 14.
Tripod head, Self-locking adjustable. J. J. Jacobson. 2,499,066, Feb. 28.
Tripod leg. H. Neuwirth. 2,508,039. May 16.
Tripod leg, Adjustable. L. O. Bu Miller. 2,503,997, Apr. 11.
Tripod or stand. L. W. Pagett. 2,502,667, Apr. 4.
Tripod with ball-and-socket joint. A. C. Coutant and J. Mathot. 2,496,986, Feb. 7.
Trisazo-dyestuffs. O. Kaiser. 2,493,975, Jan. 10.
Trisector. J. W. Jambura. 2,507,598, May 16.
Tris-quaternary salts of 1,3,5-tris-dimethylaminomethyl benzene and alkyl benzyl chlorides. P. L. de Benneville and R. W. Gormly. 2,519,441, Aug. 22.
Trithienyl-trithio-orthoformate. J. W. Brooks. 2,522,489, Sept. 19.
Trocar apparatus. A. Wyzenbeek. 2,525,329, Oct. 10.
Trocar button. H. H. Brown. 2,522,564, Sept. 19.
Trolley conductor support. R. P. Hanna. 2,519,962, Aug. 22.
Trolley conductor support. R. P. Hanna. 2,525,483, Oct. 10.
Trolley, Crane. H. W. Ball. 2,521,324, Sept. 5.
Trolley for monorail systems. W. G. Wamsley. 2,522,654, Sept. 19.
Trolley for pipe hangers. E. A. Wert. 2,515,028, July 11.
Trolley frog approach end. F. H. Richterkessing. 2,494,311, Jan. 10.
Trolley frog switch. F. H. Richterkessing. 2,494,409, Jan. 10.
Trolley, Nonshimmying. R. T. Moore. 2,512,034, June 20.
Trolley, Overhead conveyer. E. Gaboury. 2,517,652, Aug. 8.
Trolley section switch. J. F. Conrad. 2,495,569, Jan. 24.
Trolley, Traveling crane. L. H. Holdeman. 2,514,494, July 11.
Trolley wire connector. K. J. Mosebach. 2,498,568, Feb. 21.
Trolling lead. J. Mortensen. 2,502,875, Apr. 4.
Trolling leader. J. E. Brown. 2,506,854, May 9.
Trotline fishing reel. W. Homoky. 2,531,816, Nov. 28.
Trotline hanger. T. Pringle. 2,531,643, Nov. 28.
Trouble recorder control circuit. O. H. Williford. 2,508,052, May 16.
Trough, Adjustable poultry watering. J. Gilmour, Jr. 2,517,865, Aug. 8.
Trough. Combination water and feed. J. B. Darby. 2,498,981, Feb. 28.
Trough for animals, Feed. C. H. Otto. 2,507,264, May 9.

Trough for animals, Watering or feeding. H. H. Wolfe. 2,501,980, Mar. 28.
Trough for livestock, Watering. A. R. Cunningham. 2,513,006, June 27.
Trough for use in alloying metals. C. M. Offenhauer. 2,519,593, Aug. 22.
Trough for vegetable separators. G. J. Olney. 2,501,909, Mar. 28.
Trough, Portable feeding. R. C. Engelhaupt. 2,531,262, Nov. 21.
Trouser and skirt hanger. A. E. Ullrich. 2,496,238, Jan. 31.
Trouser blousing means. A. A. Aines. 2,525,756, Oct. 17.
Trouser bottom stop attaching machine. L. H. Morin. 2,524,533, Oct. 3.
Trouser construction. B. Rosen. 2,521,410, Sept. 5.
Trouser cuff shaper. S. Schussel. 2,529,708, Nov. 14.
Trouser fly construction. N. Di Pietro. 2,535,487, Dec. 26.
Trouser hanger. E. G. Von Gunten. 2,513,535, July 4.
Trouser hanger. E. T. McNutt, Jr. 2,494,400, Jan. 10.
Trouser holder. F. Diebold. 2,526,203, Oct. 17.
Trouser pattern, Universal. G. A. Mongelli. 2,531,781, Nov. 28.
Trousers. H. M. Nagel. 2,504,718, Apr. 18.
Trousers. M. Neinken. 2,498,175, Feb. 21.
Trousers or the like. M. M. Brohard, Jr. 2,506,411, May 2.
Trousettes. A. L. Westfall. 2,505,165, Apr. 25.
Trowel, Plant hole. S. Kanagawa. 2,510,584, June 6.
Trowel, Plasterer's. H. Oscar. 2,526,401, Oct. 17.
Trowel, Smoothing or finishing. S. Clipson. 2,514,626, July 11.
Troweling tool. G. B. Crippen. 2,535,568, Dec. 26.
Truck. E. K. Peterson. 2,495,943, Jan. 31.
Truck, Adjustable clamp. H. L. Smith. 2,500,047, Mar. 7.
Truck, Adjustable counterweight lift. I. F. Schreck. 2,504,885, Apr. 18.
Truck and hoist device, Combined. R. W. Baker. 2,500,055, Mar. 7.
Truck arrangement. R. B. Cottrell. 2,495,570, Jan. 24.
Truck attachment. J. H. Caddell. 2,516,364, July 25.
Truck attachment, Industrial. H. A. Stevenson. 2,517,938, Aug. 8.
Truck attachment, Loading and unloading. W. H. Clement. 2,514,843, July 11.
Truck, Automobile transporting. E. V. Garnett. Re. 23,187, Jan. 10.
Truck, Barbed wire reel. C. W. Welker. 2,498,191, Feb. 21.
Truck bed construction. K. G. Nielsen. 2,495,418, Jan. 24.
Truck body. G. M. Brandon. 2,503,792, Apr. 11.
Truck body. W. Otto. 2,504,222, Apr. 18.
Truck body. C. H. Thetford. 2,504,467, Apr. 18.
Truck body, Motor. C. T. and J. M. Falk. 2,495,447, Jan. 24.
Truck bolster, Snubbed. J. A. Shafer. 2,508,869, May 23.
Truck brake. P. E. Hawkins. 2,502,007, Mar. 28.
Truck, Case carrying hand. H. A. Chapman and E. J. Livingston. 2,533,352, Dec. 12.
Truck, Collapsible hand. G. Wuerthner. 2,500,589, Mar. 14.
Truck, Combined general duty and wrecker. W. G. Huttinger. 2,509,435, May 30.
Truck coupling. E. G. Ulrich. 2,513,258, June 27.
Truck, Dump. S. M. Buye and F. M. O'Rourke. 2,515,334, July 18
Truck, Dump. A. L. Cresci. 2,494,377, Jan. 10.
Truck dumping mechanism. C. R. Golay. 2,510,814, June 6.
Truck, Fire. J. H. De Frees. 2,533,772, Dec. 12.
Truck for cable reels and the like, Industrial. H. V. Dillon. 2,505,352, Apr. 25.
Truck for railway cars, Stabilized lateral motion. C. P. Leese. 2,497,460, Feb. 14.
Truck for record trays. C. F. Wolters. 2,495,046, Jan. 17.
Truck for trailer trucks or other cargo carriers, Loading. R. D. Faulkner and H. L. Brannon. 2,514,752, July 11.
Truck for turntables. J. Jones. 2,495,813, Jan. 31.
Truck, Garbage. F. Biszantz. 2,509,388, May 30.
Truck, Garbage collector. N. C. Walker and G. W. Gmitter. 2,508,877, May 23.
Truck, Hand. W. G. Bick. 2,510,676, June 6.
Truck, Hand. G. W. Burg. 2,514,308, July 4.
Truck, Hand. L. I. Cohn. 2,519,113, Aug. 15.
Truck, Hand. L. R. Denny. 2,497,440, Feb. 14.
Truck, Hand. R. S. Reed. 2,514,972, July 11.
Truck, Hand. H. Siegal. 2,506,471, May 2.
Truck, Harrow. R. Colley. 2,533,999, Dec. 12.
Truck, Hay distributing. A. J. Kayser. 2,496,876, Feb. 7.
Truck hitch, Clamp-on. W. J. Miller. 2,516,067, July 18.
Truck, Hoisting dolly. E. R. Baer. 2,521,819, Sept. 12.
Truck, Industrial. L. Cirillo. 2,517,085, Aug. 1.
Truck, Industrial. A. W. Gunning. 2,514,052, July 4.
Truck, Industrial. M. Lehmann. 2,502,465, Apr. 4.
Truck, Industrial. M. Lehmann. 2,522,128, Sept. 12.
Truck, Industrial. N. Lesser. 2,496,399, Feb. 7.
Truck, Industrial. G. F. Quayle. 2,518,251, Aug. 8.
Truck, Industrial. B. Ulinski. 2,528,401, Oct. 31.
Truck, Industrial hand. G. C. Nofos. 2,493,824, Jan. 10.
Truck, Industrial lift. J. A. Adde. 2,512,409, June 20.
Truck, Keg. L. Darcangelo. 2,511,623, June 13.
Truck, Lift. H. J. Framhein. 2,519,128, Aug. 15.
Truck, Lift. H. J. Framhein. 2,522,357, Sept. 12.
Truck, Lift. I. F. Schreck. 2,520,857, Aug. 29.
Truck, Lift. C. S. Schroeder. 2,505,009, Apr. 25.
Truck, Lift. G. K. McCandless. 2,511,073, June 13.
Truck, Link stabilized railway. W. van der Sluys. 2,498,745, Feb. 28.
Truck, Model passenger railway car. W. G. Stewart. 2,522,317, Sept. 12.
Truck, Moving. W. F. Roberts. 2,535,457, Dec. 26.
Truck, Pallet. G. F. Quayle. 2,498,504, Feb. 21.
Truck, Pickup delivery. L. E. Troth. 2,530,097, Nov. 14.
Truck, Power actuated elevating. A. H. Gfrorer. 2,513,718, July 4.
Truck, Power-driven hand. F. Stoner. 2,507,357, May 9.
Truck, Railroad car. J. L. Haynes. 2,527,008, Oct. 24.
Truck, Railway. P. K. Beemer and F. L. Carlisle. 2,519,169, Aug. 15.
Truck, Railway. E. C. Jackson. 2,517,671, Aug. 8.
Truck, Railway. R. H. Spencer. 2,516,081–2, July 18.
Truck, Railway. J. C. Travilla, Jr. 2,533,639, Dec. 12.
Truck, Railway car. P. Laukus, Sr. 2,513,266, June 27.
Truck, Railway car. K. F. Nystrom and V. L. Green. 2,509,694, May 30.
Truck, Railway car. L. D. Soloview. 2,500,906, Mar. 14.
Truck, Roller skate. E. Van Horn. 2,509,324, May 30.
Trunk selecting system for radio telephone stations, Automatic. E. H. B. Bartelink. 2,533,662, Dec. 12.
Truck, Self-loading. J. F. Goodman. 2,494,171, Jan. 10.
Truck, Self-loading and unloading. N. F. Alvare. 2,508,740, May 23.
Truck, Self-loading dump. C. R. Beeler. 2,506,914, May 9.
Truck, Snubbed. R. B. Cottrell. 2,512,829, June 27.
Truck, Snubbed. J. J. Kowalik. 2,528,473, Oct. 31.
Truck, Snubbed. L. A. Lehrman and H. J. Schmid. 2,520,845, Aug. 29.
Truck, Snubbed bolster. A. H. Oelkers. 2,501,081, Mar. 21.
Truck, Stabilized load-lifting power-actuated. C. S. Bouchard. 2,494,505, Jan. 10.
Truck structure, Railway. J. C. Travilla, Jr. 2,496,829, Feb. 7.
Truck, Tank. L. R. Wahl and J. E. Ogden. 2,522,077, Sept. 12.
Truck tank emergency valve. F. F. Rike. 2,512,877, June 27.
Truck, Transportation. J. W. Peterson. 2,528,908, Nov. 7.
Truck unit, Corner. A. Hauer. 2,529,390, Nov. 7.
Truck, Unloading. L. S. Wall. 2,520,291, Aug. 29.
Truck, Vehicle wheel supporting. J. W. Smith. 2,503,138, Apr. 4.
Truck, Vibratory dump. J. C. O'Connor. 2,500,293, Mar. 14.
Truck, Weighing automotive. R. B. Girdwood-Blackett. 2,534,766, Dec. 19.
Truck with automatic tilt, Pickup. R. C. Hawkins. 2,532,717, Dec. 5.
Truck with boom, Fork lift. R. Bucksath. 2,493,750, Jan. 10.
Truck with lateral motion bolster, Railway. J. C. Travilla, Jr. 2,496,644, Feb. 7.
Truck with lift platform, Hand. E. Zenko. 2,514,825, July 11.
Truck with self-coupling hook, Hand. W. A. Johnston. 2,534,868, Dec. 19.
True air-speed meter. C. F. Schaefer. 2,508,623, May 23.
True air speed meter. M. E. Smaby. 2,493,931, Jan. 10.
Truing apparatus, Grinding wheel. C. E. Sweetser. 2,528,621, Nov. 7.
Truing cutters, Method and apparatus for. H. G. Hartman. 2,506,082, May 2.
Truing device. M. S. Surre, and S. Csencsics. 2,526,096, Oct. 17.
Trunk lock. H. A. Cooper. 2,495,287, Jan. 24.
Trunk release, Timed. L. T. Anderson and M. C. Goddard. 2,509,050, May 23.
Trunk trimmer, Palm tree. R. D. Hamilton. 2,534,595, Dec. 19.
Trunks, Child's. F. D. Walter and M. W. Michael. 2,522,079, Sept. 19.
Trunks, Swimming. H. Spack. 2,524,212, Oct. 3.
Truss. C. E. Fillauer. 2,499,480, Mar. 7.
Truss. N. B. O'Brien. 2,522,056, Sept. 12.
Truss. M. Portnow. 2,523,232, Sept. 19.
Truss construction. W. B. McLean. 2,514,607, July 11.
Truss end construction. A. V. Pedersen. 2,520,333, Aug. 29.
Truss, Hernia. C. H. Rice. 2,521,309, Sept. 5.
Truss with controlled swivel, Adjustable concave. R. E. Sutherland. 2,523,545, Sept. 26.
Trussed track tower vehicle. E. B. Wagner. 2,503,181, Apr. 4.
Tub, Laundry. A. D. Grenga. 2,500,490, Mar. 14.
Tub, Oscillating washing machine. T. R. Smith. 2,516,655, July 25.
Tub, Rinse. L. Gibbons and T. Yuhaniak. 2,511,707, June 13.

Tube: *See*—
Beam forming electron discharge tube.
Cathode beam tube.
Cathode-ray tube.
Corrugated tube.
Current regulator tube.
Demountable vacuum tube.
Discharge tube.
Dissector tube.
Electric discharge tube.
Electric gas - discharge tube.
Electrically heated Pitot tube.
Electron discharge tube.
Electron signal storage tube.
Electron tube.
Electronic tube.
Electronic vacuum tube.
Electrooptical dark trace picture tube.
Electrooptical dark trace storage tube.
Flexible tube.
Full-wave rectifier tube.
Gas burner flash tube.
Gas-filled rectifying tube.
Gastrointestinal tube.
Geiger tube.
Geiger - Mueller counter tube.
Grid control metal envelope gas tube.
Grid - controlled electron tube.
High - frequency damping tube.
High-frequency electron discharge tube.
High - frequency resonator tube.
High-gain amplifier tube.
High-voltage high-vacuum acceleration tube.
Image sensitive tube.
Image tube.
Inner tube.
Line focusing cathode-ray tube.
Metal radio tube.
Multigrid electron discharge tube.
Multiple electric discharge tube.
Multiunit electron discharge tube.
Multiunit vacuum tube.
Oil filling and breather tube.
Photoelectric tube.
Pile ointment tube.
Power rectifier tube.
Reflex amplification utilizing camera tube.
Rotary X-ray tube.
Safety inner tube.
Sealed photoelectric tube.
Secondary emissive electric discharge tube.
Shielded ultra high frequency cathode-ray tube.
Space-charge tube.
Storage tube.
Television pickup tube.
Television transmitting tube.
Thermionic tube.
Thermometer tube.
Ultra high frequency electron tube.
Ultra short wave transmitting tube.
Velocity modulation tube.
Voltage stabilizing tube.
X-ray tube.

Tube adapted for generating oscillations, Discharge. C. Verburg, E. G. Dorgelo, and F. M. Penning. 2,508,316, May 16.

Tube alignment means and aligning, Electron discharge. J. Kuperus. 2,514,878, July 11.

Tube amplifying, repeating, and modulating circuit arrangements, Electron discharge. C. W. Rich. 2,500,645, Mar. 14.

Tube and bottle cap. H. K. Jenkins. 2,513,489, July 4.

Tube and bourdon spring. C. H. Dickson. 2,522,780, Sept 19.

Tube and circuit, Thermionic vacuum. R. H. Varian. 2,519,420, Aug. 22.

Tube and combination thereof, Telltale electric. G. B. Rickard. 2,531,345, Nov. 21.

Tube and electrode holder, Neon. W. B. Jerigan. 2,532,406, Dec. 5.

Tube and employing the same in testing apparatus, Multiple anode. I. L. Joy. 2,528,437, Oct. 31.

Tube and manufacture, Lined metal. M. W. Offinger and T. H. Gray. 2,508,465, May 23.

Tube and method. Color coded. F. E. Gehrke. 2,506,866, May 9.

Tube and method, High-frequency electron. H. G. Rudenberg. 2,500,575, Mar. 14.

Tube and mounting bracket for gas burners, Flash. A. F. Hornung. 2,511,208, June 13.

Tube and target therefor, Storage. A. Rose. 2,506,742, May 9.

Tube and toothbrush, Combination tooth paste. J. A. L. Torres. 2,498,829, Feb. 28.

Tube apparatus, Electronic. D. H. Sloan. 2,504,894, Apr. 18.

Tube apparatus, High-frequency discharge. D. Zaayer and E. G. Dorgelo. 2,497,809, Feb. 14.

Tube apparatus, Luminous. W. A. Millimaki and G. M. Schroeder. 2,512,835, June 27.

Tube arrangement, Modulatable frequency oscillation. A. M. Skellett. 2,533,406, Dec. 12.

Tube assembly, Fin. J. W. Brown, Jr. 2,499,901, Mar. 7.

Tube assembly, Inflating. M. J. Sturtevant. 2,533,202, Dec. 5.

Tube assembly machine. D. G. Soussloff and R. P. Piperoux. 2,520,224, Aug. 29.

Tube bender, Plier. H. Pfeiffer. 2,499,160, Feb. 28.

Tube bending apparatus. S. W. Alspaugh and H. E. Nickel. 2,507,748, May 16.

Tube bending apparatus, Lamp exhaust. G. S. Quinn and O. Mann. 2,504,938, Apr. 18.

Tube bundle assembly for heat exchangers and the like. C. Meixl. 2,496,301, Feb. 7.

Tube calipering and recording mechanism. P. E. Chaney and W. E. Barnes. 2,518,663, Aug. 15.

Tube changer, Automatic fluorescent. H. Steininger and E. Shippy. 2,524,002, Sept. 26.

Tube cleaner with resilient scraper elements, Condenser. C. M. Griffin. 2,503,042, Apr. 4.

Tube cleaning method, Electric precipitator. J. B. Jones and R. H. White. 2,497,171, Feb. 14.

Tube closing apparatus. C. J. Stuart. 2,515,841, July 18.

Tube closure, Mailing. J. Surks. 2,521,613, Sept. 5.

Tube closure, Open-end. D. A. Nachtigal. 2,512,169, June 20.

Tube comprising a liquid cathode and a capacitative ignition electrode provided therein, Electric discharge. N. Warmoltz. 2,495,831, Jan. 31.

Tube comprising an indirectly heated cathode, Electric discharge. G. Diemer. 2,532,838, Dec. 5.

Tube construction, Furnace lighter. A. W. Hermandorfer. 2,524,795, Oct. 10.

Tube control apparatus. H. L. Glick. 2,523,247, Sept. 19.

Tube coupler. J. A. Montgomery. 2,510,477, June 6.

Tube coupling. L. Lewis. 2,523,578, Sept. 26.

Tube coupling. J. N. Paquin. 2,517,705, Aug. 8.

Tube coupling. J. N. Wolfram. 2,496,510, Feb. 10.

Tube coupling sleeve, Flexible but supported. G. V. Woodling. 2,532,352, Dec. 5.

Tube coupling sleeve, Interlocking. G. V. Woodling. 2,517,617, Aug. 8.

Tube coupling with rubber seal. R. E. Herold. 2,529,552, Nov. 14.

Tube cracking furnace. J. B. Orr, Jr. 2,519,696, Aug. 22.

Tube cutter. E. R. Capewell. 2,502,700–1, Apr. 4.

Tube cutter. E. R. Capewell. 2,515,627, July 18.

Tube cutter. J. G. Johnston. 2,500,685, Mar. 14.

Tube drier. C. A. Simpson. 2,527,337, Oct. 24.

Tube end brushing apparatus. R. H. Stuart and R. J. Ayres. 2,531,009, Nov. 21.

Tube evaporator, Removable vertical. E. H. Lindsay. 2,494,767, Jan. 17.

Tube expander. F. E., and H. K. Dudley. 2,524,164, Oct. 3.

Tube expander. C. A. Maxwell. 2,493,006, Jan. 3.

Tube failure detection circuit. E. A. Ford. 2,529,928, Nov. 14.

Tube feeding machine. N. D. Abbey. 2,511,450, June 13.

Tube flaring machine with a plurality of aligned work holders and dies. A. E. Watts. 2,532,250, Nov. 28.

Tube for high voltages, Ion discharge. F. M. Penning and J. H. A. Moubis. 2,532,188, Nov. 28.

Tube for ignition of gas burners, Flash. F. A. Gauger. 2,517,782, Aug. 8.

Tube for increasing the total voltage and voltage gradient thereof, High-voltage evacuated acceleration. J. G. Trump and R. W. Cloud. 2,521,426, Sept. 5.

Tube for lamps, Sight. D. L. Pettit. 2,521,251, Sept. 5.

Tube for motor vehicles, Rear vision reflector. J. J. Delaney. 2,512,792, June 27.

Tube for orthodontia, Lingual. A. B. Brusse. 2,524,763, Oct. 10.

Tube for photographing electron images, Electron ray. A. Verhoeff. 2,504,362, Apr. 18.

Tube for pneumatic tires, Safety inner. G. Hainlen. 2,510,974, June 13.

Tube for pulse code modulation signals, Coding. R. L. Carbrey. 2,516,752, July 25.

Tube for sighting a furnace pyrometer, Fluid-cooled. E. Jantsch. 2,534,448, Dec. 19.

Tube forming. B. Bannister. 2,503,464, Apr. 11.

Tube forming apparatus. F. V. Collins. 2,504,500, Apr. 18.

Tube forming apparatus, Thermoplastic. S. J. Everett. 2,532,091, Nov. 28.

Tube forming machine. H. G. Allen, C. D. Thomas, and R. C. Miller. 2,509,714, May 30.

Tube forming machine with longitudinally movable core. A. K. Nowak. 2,505,718, Apr. 25.

Tube gauge. C. H. Woodcock and W. H. Stinger. 2,512,986, June 27.

Tube having annular electrodes, Electron. H. H. Eaves. 2,496,003, Jan. 31.

Tube having annular envelope, Electron. C. E. Murdock. 2,517,334, Aug. 1.

Tube having carburized thoriated cathode, Electron. P. D. Williams. 2,497,111, Feb. 14.

Tube having metallic lining, Collapsible, with low lead pickup and making same. J. H. Friden. 2,532,804, Dec. 5.

Tube holder. J. G. Kronouer and B. L. van Kouwen. 2,534,555, Dec. 19.

Tube holder and squeezer, Collapsible. J. R. McGrath. 2,512,210, June 20.

Tube joining. J. J. Cullen. 2,511,836, June 20.

Tube joint. B. Barnhart and E. A. Gott. 2,504,625, Apr. 18.

Tube joint. G. H. Gascoigne. 2,508,668, May 23.

Tube machine. H. G. Allen and C. D. Thomas. 2,509,715, May 30.

Tube machine making. F. Heinmets. 2,521,007, Sept. 5.

Tubemaking machine. B. M. Nase. 2,513,349, July 4.

Tube mounting. R. C. Kennedy. 2,499,589, Mar. 7.

Tube nest for heat exchangers. E. Villiger and R. Peter. 2,505,695, Apr. 25.

Tube of the multiple cathode type, Controllable electron discharge. D. V. Edwards and D. C. Winters. 2,512,618, June 27.

Tube of the velocity modulation type, Electron. F. A. Record. 2,501,095, Mar. 21.

Tube package, Radio. J. Kolber. 2,498,042, Feb. 21.

Tube protective circuit. E. C. Kluender. 2,504,699, Apr. 18.
Tube removing mechanism. G. G. Schneider. 2,498,456, Feb. 21.
Tube retainer and making same. H. H. Goldstaub. 2,512,424, June 20.
Tube setting. K. C. Bugg and H. L. Hart. 2,530,855, Nov. 21.
Tube sizing apparatus. C. E. Snyder. 2,532,862, Dec. 5.
Tube socket. W. I. Kelly and J. R. Livingood. 2,529,502, Nov. 14.
Tube socket with terminal board skirt. J. M. Stacey. 2,531,085, Nov. 21.
Tube-squaring attachment. S. Ryszkowski. 2,519,982, Aug. 22.
Tube squeezer, Roll type collapsible. D. D. Derrick. 2,530,327, Nov. 14.
Tube structure, Combined oscillator and reactance. W. R. Rambo. 2,498,577, Feb. 21.
Tube structure, Electron. J. C. Smiley, Jr. 2,529,820, Nov. 14.
Tube structure, Electron discharge. D. V. Edwards. 2,512,620, June 27.
Tube structure for gaseous pilot burners, Flash. E. H. Mueller. 2,514,552, July 11.
Tube structure, High-frequency. W. W. Hansen. 2,500,944, Mar. 21.
Tube structure, High-frequency. W. W. Hansen. 2,506,590, May 9.
Tube structure with frequency control, High-frequency. S. F. Varian. 2,515,280, July 18.
Tube support. J. Young, Jr., and R. J. Bower. 2,534,690, Dec. 19.
Tube system and apparatus, Luminescent. J. H. Bridges. 2,510,209, June 6.
Tube tester, Cathode-ray. R. S. Coate. 2,532,759, Dec. 5.
Tube tester, Centrifugal vacuum. R. G. Quick. 2,535,091, Dec. 26.
Tube-testing apparatus. W. H. Gerstenslager. 2,508,246, May 16.
Tube testing circuit. D. E. Sunstein. 2,494,369, Jan. 10.
Tube valving clamp. J. W. Johnson. 2,519,909, Aug. 22.
Tube with built-in tuned inductance, Vacuum. M. T. Wilde. 2,495,302, Jan. 24.
Tube with composite photocathode for conversion and intensification of X-ray images. E. E. Sheldon. 2,525,832, Oct. 17.
Tube with conductive coating, Electronic. W. H. Bruns. 2,525,768, Oct. 17.
Tube with cylindrical fluorescent screen, Oscillographic cathode-ray. A. Pinciroli. 2,513,742, July 4.
Tube with directional electron beam, Electric discharge. J. de Gier. 2,509,763, May 30.
Tube with internal condenser construction, Electric discharge. G. H. P. Alma, K. S. Knol, P. N. Kuiper, F. Prakke, M. J. O. Strutt, and A. van der Ziel. 2,515,920, July 18.
Tube with locating member, Electric discharge. W. A. Roovers, F. Prakke, O. L. van Steenis and I. J. M. de Jong. 2,528,246, Oct. 31.
Tube with oxide coated cathode, Cathode-ray. I. Patai. 2,505,909, May 2.
Tube with plug type base cap, Mortar. S. Weiss. 2,511,889, June 20.
Tube with protected electrode inlet, Electric discharge. J. G. W. Mulder. 2,494,895, Jan. 17.
Tube with reflector electrode, Tunable ultra high frequency. J. M. Lafferty. 2,523,031, Sept. 19.
Tube with secondary emission prevention means, Electric discharge. J. L. Jonker. 2,530,703, Nov. 21.
Tube with secondary intensity control of cathode rays, Cathode-ray. A. Rusterholz and H. J. von Baeyer. 2,521,255, Sept. 5.
Tubes, Making condenser. E. Bruegger. 2,519,820, Aug. 22.
Tubes, Making flexible. R. E. Roberts. 2,524,679, Oct. 3.
Tubes, Making paper. E. G. Hensler. 2,532,494, Dec. 5.
Tubes, Making microwave. W. van B. Roberts. 2,513,207, June 27.
Tubes, Manufacturing inner. F. A. Mulbarger and H. D. Hiatt. 2,507,865, May 16.
Tubes, Manufacturing lined metal. P. H. Brace and T. H. Gray. 2,508,466, May 23.
Tubes, Method and apparatus for making flexible. W. S. Prendergast. 2,513,106, June 27.
Tubes, Production of glass and other thermoplastic. S. J. Everett. 2,507,300, May 9.
Tubes with spherical concentric electrodes, Electron discharge. P. Patriache. 2,504,224, Apr. 18.
Tubing and rod handling tool. N. K. Wilson. 2,509,853, May 30.
Tubing and tubing joint. M. D. MacArthur. 2,532,632, Dec. 5.
Tubing cleaning device. T. J. Davis and V. B. Miller. 2,497,659, Feb. 14.
Tubing, Finned. R. C. Edwards. 2,529,545, Nov. 14.
Tubing packer, Outside. E. E. Van Every. 2,516,034, July 18.
Tubing, Silent stock. W. D. Corlett, Jr. 2,534,811, Dec. 19.
Tubing with ferruled ends, Bimetal. W. D. France and M. C. Presley. 2,516,689, July 25.
Tubular air heating furnace. S. R. Whitaker. 2,494,113, Jan. 10.
Tubular electric lamp. C. P. Boucher and R. W. Keiser. 2,496,374, Feb. 7.
Tubular electromagnet potential indicator. C. C. Sittler. 2,521,548, Sept. 5.
Tubular structure. G. D. Myers. 2,522,394, Sept. 12.
Tubular type oil well fishing tool. K. A. Richey and C. Farquhar. 2,520,783, Aug. 29.
Tubular winding core. D. O. Beckner. 2,535,188, Dec. 26.
Tuft-cutting mechanism for Axminster-carpet and other tufted-fabric looms. C. C. Brinton. 2,512,302, June 20.
Tufted, hooked, and woven fabric. J. Blumfield. 2,508,852, May 23.
Tufting machine. J. Blumfield. 2,533,420, Dec. 12.
Tufting machine. R. L. Self. 2,528,392, Oct. 31.
Tufting machine, Bristle. J. A. Starr. 2,531,481, Nov. 28.
Tufting machine, Portable type. E. King. 2,534,916, Dec. 19.
Tumbler for children, Drinking. G. W. Poncy. 2,509,275, May 30.
Tumbler holder. E. C. Garwood. 2,529,287, Nov. 7.
Tumbling drum for fur softening and cleaning machines. H. S. Friedman. 2,531,676, Nov. 28.
Tumbling mechanism. L. W. Lubenow. 2,509,041, May 23.
Tumbling mill. W. L. Keefer. 2,533,265, Dec. 12.
Tunable cavity resonator magnetron. J. S. Donal, Jr., B. B. Brown, and C. L. Cuccia. 2,509,265, May 30.
Tunable high-frequency tank circuit. R. Schupbach. 2,500,875, Mar. 14.
Tuner. G. F. Behringer. 2,532,051, Nov. 28.
Tuner and circuit therefor, Inductance capacity. R. M. Beusman. 2,521,963, Sept. 12.
Tuner and inductor for use therewith, Wide band calibrated. F. N. Jacob, E. R. Stout, and L. Miller. 2,533,810, Dec. 12.
Tuner arrangement, Ultra high frequency. M. R. Hubbard. 2,511,586, June 13.
Tuner, Automatic. B. A. Schwarz and L. J. Fichter. Re. 23,305, Dec. 12.
Tuner, Automatic. R. E. Thompson. 2,510,156, June 6.
Tuner device, High-frequency. C. F. Frey, Jr. and R. J. Aust. 2,513,393, July 4.
Tuner for radio receivers, Push-button. J. D. Reid. 2,507,576, May 16.
Tuner, High-frequency. R. J. Aust. 2,513,392, July 4.
Tuner mechanism, Permeability. W. A. Schaper. 2,508,840, May 23.
Tuner, Motor-driven push button. P. Ware and H. Bernard. 2,520,749, Aug. 29.
Tuner, Permeability. D. Mackey. 2,496,058, Jan. 31.
Tuner, Push-button ultra high frequency. A. H. Turner. 2,522,973, Sept. 19.
Tuner, Signal-seeking. W. L. Dunn. 2,499,573, Mar. 7.
Tuner, Signal-seeking. E. G. Hills. 2,499,584, Mar. 7.
Tungsten and molybdenum carbides and sintered alloys, Manufacture of. M. Oswald. 2,509,838, May 30.
Tungsten monocarbide from tungsten-containing material, Making. P. M. McKenna. 2,529,778, Nov. 14.
Tuning accordions. R. R. Rieschick. 2,535,813, Dec. 26.
Tuning adjuster, Mechanical. C. Piton. 2,526,610, Oct. 17.
Tuning aid, Frequency modulation receiver. W. L. Carlson. 2,501,120, Mar. 21.
Tuning aid, Frequency modulation receiver. W. R. Koch. 2,525,359, Oct. 10.
Tuning and loading system, Remotely controlled antenna. V. H. Vogel. 2,505,511, Apr. 25.
Tuning and push button control. D. H. Mills. 2,503,121, Apr. 4.
Tuning apparatus, Automatic. V. H. Wiley. 2,497,524, Feb. 14.
Tuning apparatus, High-frequency electroexpansive. S. F. Varian and E. L. Ginzton. 2,493,046, Jan. 3.
Tuning apparatus, Inductance. J. L. Rennick. 2,505,791, May 2.
Tuning assembly, Radio-frequency. J. L. Bonanno. 2,526,454, Oct. 17.
Tuning cascade tuned circuits. E. O. Keizer. 2,516,056, July 18
Tuning control apparatus. H. F. Elliott. 2,496,455, Feb. 7.
Tuning control apparatus. A. W. Plensler. 2,503,066, Apr. 4.
Tuning control, Permeability. E. E. Williamson. 2,523,407, Sept. 26.
Tuning control system. T. P. Kinn. 2,512,336, June 20.
Tuning device. D. J. Dickerson. 2,514,153, July 4.
Tuning device. W. C. Jackson. 2,528,519, Nov. 7.
Tuning device, Automatic. R. P. Haviland. 2,518,470, Aug. 15.
Tuning device for guitars. T. W. Mitchell. 2,523,963, Sept. 26.
Tuning device for true antennas. F. Babin. 2,515,436, July 18.
Tuning device, High-frequency. G. C. Larson. 2,514,957, July 11.
Tuning device, particularly for frequency-modulation receivers, Indicating. A. Violet. 2,529,980, Nov. 14.
Tuning device, Radio. G. J. Kennedy. 2,502,223, Mar. 28.
Tuning device, Radio. B. A. Schwarz, H. M. Stelzl and M. G. Wright. 2,494,008, Jan. 10.

Tuning device, Radio. L. M. Temple. 2,496,424, Feb. 7.
Tuning device, Radio. L. M. Temple. 2,509,193, May 23.
Tuning device, Reactance. C. V. Litton. 2,495,744, Jan. 31.
Tuning device, Television. B. N. Fisher. 2,503,579, Apr. 11.
Tuning device, Variable permeability. J. W. Million, Jr. 2,531,231, Nov. 21.
Tuning for signal-seeking receivers, Push-button. M. J. Pifer. 2,501,003, Mar. 21.
Tuning fork type periodic switch. G. E. Perreault. 2,502,339, Mar. 28.
Tuning indicator circuit. B. S. Vilkomerson. 2,502,293, Mar. 28.
Tuning inductance device, Band-spread. W. Y. Pan and J. Longo. 2,528,167, Oct. 31.
Tuning inductance for automatic tuning systems. H. C. Lawrence, Jr. 2,524,199, Oct. 3.
Tuning means. B. A. Schwarz and L. J. Fichter. 2,494,007, Jan. 10.
Tuning means. O. E. Wagenknecht and C. W. Wandrey. 2,502,682, Apr. 4.
Tuning means, Electronically controlled. A. G. Tynan and J. H. Guyton. 2,494,017, Jan. 10.
Tuning means for high-frequency devices. A. E. Harrison. 2,492,993, Jan. 3.
Tuning means for magnetrons. E. C. Okress. 2,533,741, Dec. 12.
Tuning means for radio receivers. W. J. O'Brien. 2,526,266, Oct. 17.
Tuning mechanism. S. A. Hall. 2,505,111, Apr. 25.
Tuning mechanism. L. D. La Flamme. 2,523,032, Sept. 19.
Tuning mechanism. J. E. Laschenski. 2,502,572, Apr. 4.
Tuning mechanism. J. E. Laschenski. 2,533,477, Dec. 12.
Tuning mechanism. M. J. Pifer, A. D. Meyer, and H. J. McGarvey. 2,530,663, Nov. 21.
Tuning mechanism for hollow electrical resonators. N. C. Barford. 2,501,303, Mar. 21.
Tuning mechanism for resonant cavities and the like. E. G. Martin. 2,501,728, Mar. 28.
Tuning mechanism, Permeability. W. A. Schaper. 2,503,220, Apr. 4.
Tuning mechanism, Permeability. W. A. Schaper. 2,508,338, May 16.
Tuning system. G. W. Wallin. 2,496,322, Feb. 7.
Tuning system, Automatic. J. Vahle and P. D. Heath. 2,523,791, Sept. 26.
Tuning system, Automatic stop-on carrier. R. J. Cowles. 2,516,856, Aug. 1.
Tuning system, Decimal push-button. M. J. Pifer. 2,512,258, June 20.
Tuning system, Radio. T. E. Frauenshuh. 2,520,631, Aug. 29
Tuning system, Radio. J. Weingarten. 2,511,888, June 20.
Tuning system, Radio search. A. F. Bischoff. 2,525,442, Oct. 10.
Tuning system, Television. L. W. Schreiner. 2,503,073, Apr. 4.
Tuning unit. V. H. Aske. 2,516,287, July 25.
Tuning unit. H. E. Overacker. 2,505,572, Apr. 25.
Tuning unit, Electrical automatic. W. S. Winfield. 2,524,281, Oct. 3.
Tuning unit, Ultra high frequency. J. J. Bernstein. 2,508,138, May 16.
Tunnel, Freezing. F. A. A. M. Allard. 2,511,661, June 13.
Tunnel kiln charging and discharging means. G. N. Jeppson and E. Van der Pyl. 2,523,025, Sept. 19.
Tunnel oven for thermolytic distillation. J. Cartwright. 2,526,459, Oct. 17.
Tunnel, Wind. C. Zola. 2,515,069, July 11.
Turbidity detector. A. D. Way. 2,535,181, Dec. 26.
Turbine. J. G. Nussbaum. 2,518,925, Aug. 15.
Turbine. O. Theimer. 2,524,549, Oct. 3.
Turbine adjutage. A. G. M. Michell. 2,497,508, Feb. 14.
Turbine and centrifugal booster pump, Combined. D. E. Yates. 2,502,241, Mar. 28.
Turbine and centrifugal booster pump, Combined. D. E. Yates. 2,516,822, July 25.
Turbine and condenser construction. K. R. Stearns. 2,526,430, Oct. 17.
Turbine and pump, Exhaust. E. H. Camfield. 2,498,910, Feb. 28.
Turbine and turbine nozzle construction. T. M. Ryan, and W. J. Romlein. 2,526,281, Oct. 17.
Turbine apparatus. B. L. Jenks, Jr., and G. W. Pentheny. 2,527,446, Oct. 24.
Turbine apparatus. T. J. Putz. 2,493,641, Jan. 3.
Turbine apparatus. A. F. Schwendner, M. Gottlieb, and F. A. Meyer. 2,504,736, Apr. 18.
Turbine apparatus. E. A. Zetterquist. 2,524,724, Oct. 3.
Turbine, Axial flow elastic fluid. D. J. Bloomberg. 2,494,328, Jan. 10.
Turbine blade and making the same. N. C. Price. 2,520,373, Aug. 29.
Turbine casing, Elastic fluid. F. C. Linn. 2,503,914, Apr. 11.
Turbine, Combustion gas. A. C. Peterson. 2,508,685, May 23.
Turbine construction. N. C. Price. 2,510,606, June 6.
Turbine construction. C. R. Soderberg. 2,497,049, Feb. 7.
Turbine control apparatus. E. E. Hewitt. 2,512,021, June 20.
Turbine control, Reheat. O. N. Bryant. 2,514,931, July 11.
Turbine diaphragm. J. L. Ray. 2,530,908, Nov. 21.
Turbine element. W. K. Bodger. 2,510,735, June 6.
Turbine, Fluid pressure. F. M. Downward. 2,514,039, July 4.
Turbine, Hydraulic. N. A. Landt. 2,494,623, Jan. 17.
Turbine, Hydraulic. C. R. Martin. 2,507,796, May 16.
Turbine impeller wheel. R. J. Marcoe. 2,495,855, Jan. 31.
Turbine, Liquid air. E. F. Osborne. 2,499,772, Mar. 7.
Turbine, Multiple combustion products operated. J. Phillips. 2,509,577, May 30.
Turbine oil composition. H. D. Kluge and E. C. Knowles. 2,526,755, Oct. 24.
Turbine pedestal arrangement. O. N. Bryant. 2,535,037, Dec. 26.
Turbine plant, Internal-combustion. H. Pfenninger. 2,496,407, Feb. 7.
Turbine plant, Internal-combustion. D. M. Smith. 2,520,697, Aug. 29.
Turbine pump. J. M. Roth and E. J. Bodensieck. 2,496,496, Feb. 7.
Turbine rotor, Cooling. A. Kalitinsky and C. R. Soderberg. 2,532,721, Dec. 5.
Turbine starting and control apparatus. R. H. Goddard. 2,523,008, Sept. 19.
Turbine steam supply connection. G. W. Pentheny. 2,527,445, Oct. 24.
Turbine, Stream. E. Souczek. 2,501,696, Mar. 28.
Turbine wheels, Manufacturing. C. H. Brauchler. 2,526,194, Oct. 17.
Turbine, Wind. C. H. Johnson. 2,510,501, June 6.
Turbodrive control. H. O. Schjolin. 2,523,783, Sept. 26.
Turboexpander. A. W. McClure. 2,529,880, Nov. 14.
Turbomachine blading construction. T. Gubler. 2,528,305, Oct. 31.
Turboscrew pump. F. E. Wolfe. 2,516,442, July 25.
Turfing device. L. and W. D. Van Dyke. 2,527,163, Oct. 24.
Turkey caller. G. D. Megginson. 2,527,756, Oct. 31.
Turnbuckle. A. W. Miller. 2,512,501, June 20.
Turnbuckle or the like. H. I. Podell. 2,533,894, Dec. 12.
Turnbuckle wrench. J. F. Spielman. 2,518,088, Aug. 8.
Turnover mechanism, Magnetic can. H. Schmidt. 2,499,422, Mar. 7.
Turnstile, Check controlled and dispensing. H. M. Kilpatrick. 2,504,535, Apr. 18.
Turntable. H. B. Hall. 2,497,989, Feb. 21.
Turntable for automatic phonographs, Swinging. C. R. Hart. 2,509,229, May 30.
Turntable for fifth wheel trailer couplings. J. N. Apgar. 2,501,884, Mar. 28.
Turntable, High-inertia phonograph. F. R. van der Woude. 2,505,264, Apr. 25.
Turntable mechanism. C. B. Dale. 2,529,376, Nov. 7.
Turntable, Novelty. R. Siebenkittel. 2,527,969, Oct. 31.
Turnable T-member type molding fastener. R. R. Amesbury. 2,531,348, Nov. 21.
Turnable T-member type molding fastener. W. H. Churchill. 2,531,352, Nov. 21.
Turner and lifter, Meat and fowl. B. L. Shreiner. 2,514,098, July 4.
Turner, Electric page. E. V. Carpenter. 2,526,540, Oct. 17.
Turner, Glove. S. Suftko. 2,534,740, Dec. 19.
Turner, Mechanical page. F. Reck. 2,494,453, Jan. 10.
Turner, Weed and stubble. G. A. Aughey. 2,521,681, Sept. 12.
Turning device, Glove. J. H. Alberding, Jr. 2,513,612, July 4.
Turning device, Steering wheel. J. Sinko. 2,516,532, July 25
Turning machine, Compost. G. J. Cordivano. 2,521,832, Sept. 12.
Turret. C. E. Wyrick. 2,534,333, Dec. 19.
Turret adapter, Revolving. C. M. Zajdel. 2,521,274, Sept. 5.
Turret, Aircraft. D. Clegg. 2,501,662, Mar. 28.
Turret for photographic cameras, Lens. J. G. Zuber. 2,510,360, June 6.
Turret lathe. R. E. Whitaker. 2,515,681, July 18.
Turret lathe stop. H. E. Rather, Sr. 2,514,090, July 4.
Turret press. H. Studli. 2,504,751, Apr. 18.
Turret-top television cabinet. J. W. Fritsch. 2,499,579, Mar. 7.
Turret, Wire recorder. O. R. Nemeth. 2,495,125, Jan. 17.
Tuyère, Composite blast furnace. E. M. Neely. 2,500,089, Mar. 7.
Tuyère, Roof-nosed. F. C. Diaz. 2,501,265, Mar. 21.
Tuyère structure. H. O. Johnson. 2,497,000, Feb. 7.
Tweezers. W. R. Heilig. 2,533,801, Dec. 12.
Tweezers actuating device. J. Drabik. 2,507,762, May 16.
20,21-diacetoxy-4-bromo-3,11-diketopregnanes. L. H. Sarett. 2,519,507, Aug. 22.
Twin-screw armored cable connector. M. D. Bergan. 2,506,334, May 2.
Twine lifter. W. C. Akers. 2,525,631, Oct. 10.
Twist controller for thread. A. Pehlivanian. 2,528,171, Oct. 31.
Twister spindle. E. Koella. 2,511,639, June 13.
Twister stopping device. I. S. Roberts. 2,531,531, Nov. 28.
Twisting and winding of textile fibers. E. C. Pfeffer, Jr., J. J. Gannon, and J. J. Fiscello. 2,518,491, Aug. 15.

Twisting type collapsible tube dispenser. D. Beresford. 2,502,918, Apr. 4.
2-alkyl-4-isopropylidene-5(4)-oxazolones. Preparation of R. Mozingo, E. and K. Folkers, and N. R. Easton. 2,515,465, July 18.
2-allyl-chlorophenoxy-2-propanols. A. R. Sexton and E. C. Britton. 2,500,011, Mar. 7.
2-Allylphenyl ester of benzoic acid. E. Monroe and C. Hand. 2,500,902, Mar. 14.
2-Allyl-6-secondarybutylphenyl ester of benzoic acid. E. Monroe and C. Hand. 2,500,901, Mar. 14.
2-aminoalkyl-glyoxaline derivatives and the production thereof. A. A. Goldberg, M. Shepton, and L. P. Ellinger. 2,532,547, Dec. 5.
2-amino-5-benzyl-1,3,4-thiadiazole and acid salts thereof. L. P. Kyrides, F. B. Zienty, and G. W. Steahly. 2,524,729, Oct. 3.
2-amino-5-substituted-1,3,4-thiadiazole, Making. G. W. Steahly. 2,497,825, Feb. 14.
2-amino-4-hydroxy-6-formyl pteridine, Preparation of. C. W. Waller. 2,517,530, Aug. 1.
2-amino-2-methyl-4-(3.5 diazacyclohexyl)-4-aza-1-pentanols and their production. M. Senkus. 2,504,950, Apr. 25.
2-and 4-homocyclyl substituted piperidines. J. Lee. 2,498,431, Feb. 21.
2-(benzenesulfonamido)-tetrahydrobenzothiazoles. J. M. Sprague. 2,494,524, Jan. 10.
Two-button switch. E. G. Gaynor. 2,519,899, Aug. 22.
2-carboxyalkylthiophane-3,4-dicarboxylic acid. B. R. Baker. 2,506,536, May 2.
2-carboxyquinoline compounds, Producing. G. F. Lisk and G. W. Stacy. 2,520,041, Aug. 22.
2-chloro-2 (3-cyclohexenyl) ethyl dichlorophosphine. E. C. Ladd and J. R. Little. 2,510,699, June 6.
2-chlorothiophanthraquinone. H. R. Lee and V. Weinmayr. 2,497,312, Feb. 14.
2-cyano-1-keto-7-R-1,2,3,4-tetrahydrophenanthrenes, and products of such process, Preparing. W. S. Johnson, J. W. Petersen, and C. D. Gutsche. 2,528,000, Oct. 31.
2-cyanopyridines, Preparation of. I. M. Robinson and G. J. Janz. 2,494,204, Jan. 10.
Two-cycle gasoline engine. B. M. Ikert. 2,513,563, July 4.
Two-cycle internal-combustion engine. C. M. Huntington. 2,508,391, May 23.
Two-cycle internal-combustion engine. F. M. Jones. 2,532,273, Nov. 28.
Two-cycle internal-combustion engine. J. Jozif. 2,493,974, Jan. 10.
Two-cycle internal-combustion engine. E. A. Talvio. 2,516,031, July 18.
Two-cycle internal-combustion engine. J. L. W. Weber. 2,503,979, Apr. 11.
Two-cycle low-boiling fuel injection engine. E. P. Dumanois and L. Poincaré. 2,535,532, Dec. 26.
Two-cycle multiple cylinder Diesel engine. C. G. Curtis. 2,511,905, June 20.
Two-cycle rotary valve internal-combustion engine. W. H. Phelps. 2,531,699, Nov. 28.
Two-cycle scavenging engine. T. G. Carrie. 2,497,977, Feb. 21.
Two-cycle type slide-valve internal-combustion engine. W. Kasten. 2,516,325, July 25.
Two-cylinder rotary motor. W. F. Berck. 2,531,903, Nov. 28.
2,8-diaminodibenzothiophene dioxide and N,N'-derivatives. E. D. Amstutz. 2,529,860, Nov. 14.
2-ethyldibenzofuran, Preparing. R. K. Abbott. 2,500,734, Mar. 14.
2,5-diacyloxy-2,5-dihydrofurans, Preparing. N. K. F. W. Clauson-Kaas. 2,514,026, July 4.
2,5-diamino-1-thiadiazine-3,4 resins. H. A. Walter. 2,534,087, Dec. 12.
2-formylethanes and preparing same. E. Kuh. 2,517,526, Aug. 1.
Two-forward shoe self-centering brake. S. Schnell. 2,508,194, May 16.
2,4-D salt and composition containing the same. R. G. D. Moore. 2,505,059, Apr. 25.
2,4-dichlorophenoxyacetic acid compositions. E. E. Gilbert. 2,533,884, Dec. 12.
2,4-dimethyl-2,4-trimethylsilylphenyl-2,4-disilapentane. H. A. Clark. Re. 23,270, Sept. 26.
2,4-dimethyl-2,4-trimethylsilylphenyl-2,4-disilapentane. H. A. Clark. 2,507,514, May 16.
2,4,5-trichlorophenol esters. C. L. Moyle. 2,508,334, May 16.
2,4,5-trichlorophenol, Preparation of. E. J. Nikawitz and W. S. Gump. 2,509,245, May 30.
2,4-pentadienoic acids, Preparation of. B. P. Geyer and S. A. Ballard. 2,515,595, July 18.
2,4,6-tristrichloromethyl-1,3,5-triazine, Preparation of. T. R. Norton. 2,525,714, Oct. 10.
2-iminopiperidines and 2-iminopyrrolidines, Production of. F. F. Blicke. 2,513,270, July 4.
2-(mercaptoacetamido)-benzothiazole and its S-acetyl derivative. A. Weissberger. 2,503,861, Apr. 11.
2-mercapto, 5-chlorobenzothiazole, Preparation of. L. A. Brooks. 2,499,627, Mar. 7.
2-mercapto-5-chlorobenzothiazole, Preparing. L. A. Brooks. 2,499,628, Mar. 7.
2-mercaptoimidazole, Preparation of. A. M. Dessert. 2,519,310, Aug. 15.
2-mercapto oxazolines, Preparing. E. Bergmann. 2,525,-200, Oct. 10.
2-mercapto-3-amino-3,6-dihydropyrimidines. R. A. Mathes and F. D. Stewart. 2,535,858, Dec. 26.
2-mercapto-3,6-dihydropyrimidine-3-monocarboxylic acids and esters of these acids. R. A. Mathes and F. D. Stewart. 2,535,857, Dec. 26.
2(meta-aminobenzenesulfonamido)5-halopyrimidines and preparing same. J. P. English and J. H. Clark. 2,506,351, May 2.
2-methyl-5-phenylbenzothiazole and quaternary salts thereof. G. Van Zandt and L. G. S. Brooker. 2,515,913, July 18.
2-Methyl-4-hydroxy-5-alkoxy-methyl-pyrimidine, Preparing. G. A. Stein and J. R. Stevens. 2,516,158, July 25.
2-methyl-4-isopropylidene-5(4)-oxazolone, Preparation of. J. C. Sheehan, R. Mozingo, K. Folkers, and M. Tishler. 2,496,417, Feb. 7.
2-methyl-4-keto-1,3-benzothioxane. H. K. Nason and D. T. Mowry. 2,496,741, Feb. 7.
2-methyl-7-hydroxy-tetrahydrophenanthrene-carboxylic acid derivatives and the production thereof. G. M. Picha, R. P. Jacobsen, and G. Pincus. 2,499,257, Feb. 28.
2-methyl-3,4-dihydroxy-5-phosphonoxy-methyl-pyridine and preparing same. D. H. Hoffman. 2,497,731, Feb. 14.
2-methyl-3-hydroxy-4-aminomethyl-5-hydroxymethylpyridine, Preparing. D. Heyl, S. A. Harris, and K. Folkers. 2,497,730, Feb. 14.
2-methyl-3-P-toluenesulfonoxy-4-P-toluenesulfonylaminomethyl-5-phosphonoxymethylpyridine and intermediates therefor. D. H. Hoffman. 2,519,470, Aug. 22.
2-(n:n-diphenyl-aminomethyl)-imidazolines. K. Miescher, A. Marxer, and E. Urech. 2,503,059, Apr. 4.
2-nitramino Δ^2-1,3 diazacycloalkenes. A. F. McKay, and G. F. Wright. 2,525,927, Oct. 17.
2-Nitro-1, 1-bis (p-chlorophenyl) alkanes, and insecticidal compositions containing same. H. B. Hass and R. T. Blickenstaff. 2,516,186, July 25.
2-nitrophenyl dialkyl phosphates and thiophosphates. J. H. Fletcher. 2,520,393, Aug. 29.
2-oxo-5-cyano-4-imidazolinecarbonamide, salts thereof, and their preparation. D. W. Woodward. 2,535,006, Dec. 19.
2-oxo-4,5-diimino parabanic acid resins. H. A. Walter. 2,514,353, July 4.
2-oxoimidazolines and preparing the same. D. W. Woodward. 2,534,332, Dec. 19.
2-(p-isothiocyanobenzenesulfonamido)-pyrimidine. R. W. Bost and R. S. Shelton. 2,517,760, Aug. 8.
2-p-menthyl carbinyl acetate. R. B. Wearn and C. Bordenca. 2,501,199, Mar. 21.
2-(p-nitrobenzenesulfonamido)-thiazole retention enema. W. M. Hoehn. 2,508,388, May 23.
2-(p-oxyphenyl)-3-isopropyl-6-oxy-indanes. U. V. Solmssen. 2,493,730, Jan. 3.
2-phenylanthraquinone, The preparation of. R. R. Umhoefer. 2,499,702, Mar. 7.
2-picoline sulphur condensation products, Preparation of. H. I. Thayer. 2,496,319, Feb. 7.
2'-keto-3,4-imidazolido-2-ω-substituted alkyl thiophenes and obtaining same. L. C. Cheney. 2,502,422, Apr. 4.
2,7-diaminoacridone, Manufacture of. A. A. Goldberg and W. Kelly. 2,493,191, Jan. 3.
2,6 dichlor-4-nitro-aniline, Process to produce. G. W. Saymour and V. S. Salvin. 2,501,831, Mar. 28.
Two-stage air swept ball mill. H. E. Lonngren. 2,507,917, May 16.
Two-stage hydraulic pressure pump. B. Beaman, J. Hulman, and R. A. Stein. 2,495,685, Jan. 31.
Two-stage vapor condenser. A. H. Totten. 2,531,753, Nov. 28.
Two-step digestion of hardwoods. E. Farber. 2,528,350, Oct. 31.
Two-stroke cycle internal-combustion engine. J. E. Fragale. 2,496,623, Feb. 7.
Two-stroke internal-combustion engine. F. Chave. 2,518,866, Aug. 15.
Two-stroke multicylinder engine. M. Echard. 2,506,142, May 2.
2-substituted glucopyranose polymers, Uniformly. K. M. Gaver. 2,518,135, Aug. 8.
2-substituted pyrimidines, Preparation of. J. H. Clark. 2,513,550, July 4.
2-sulfanilamido-5-carbamylthiazole and its production. H. E. Faith. 2,510,925, June 6.
Two-temperature walk-in cooler. J. J. Booth. 2,526,063, Oct. 17.
Two-terminal impedance arrangement for transmission lines. H. A. Wheeler. 2,524,183, Oct. 3.
2-(tertiary-aminoalkyl)-2-(substituted-phenyl) ethylamines. C. E. Kwartler and P. Lucas. 2,530,126, Nov. 14.
(2-thenoyl)-o-benzoic acids, Halogenated. H. R. Lee and V. Weinmayr. 2,513,572, July 4.
2-thenylamines. H. D. Hartough and S. L. Meisel. 2,533,798, Dec. 12.
2,13 dimethyldodecahydrophenanthrene hydroxy lactones and derivatives thereof. R. P. Jacobsen, G. Pincus and H. Levy. 2,499,247, Feb. 28.
2,13-dimethyl-polyhydrophenanthrene lactone derivatives and the preparation thereof. G. Pincus, R. P. Jacobsen, and H. Levy. 2,499,248, Feb. 28.

2(3)benzofuranone derivatives and making them. A. W. Weston and M. A. Spielman. 2,513,698, July 4.
2,3-butanediyl phthalate resins. R. W. Watson. 2,502,686, Apr. 4.
2,3-derivatives of 1,4-dihaloanthraquinones. F. Max and D. I. Randall. 2,533,193. Dec. 5.
2,3-diaryl-4-thiazolidones and their preparation. A. R. Surrey. 2,520,178, Aug. 29.
Two tower process for recovery of streptomycin employing cation-exchange resins. R. J. Taylor. 2,528,188, Oct. 31.
2-trihalomethyl-2,3-dioxolane-4-carboxylic acids and derivatives thereof. E. F. Schroeder. 2,532,340, Dec. 5.
2,2-bis (4-methoxyphenyl)-1,1,1-tricholoroethane insecticidal dust and making same. A. L. Flenner. 2,529,682, Nov. 14.
2,2-dinitro-1,3-propanediol and preparing same. H. Plaut. 2,522,959, Sept. 19.
2,2,4-trialkyl-1,2-dihydro-6-aralkyl-substituted quinolines and producing the same. H. J. Kehe and T. H. Shelley. 2,530,774, Nov. 21.
2,2,4-trimethyl-1,2-dihydro-quinoline, Preparation of monomeric. H. J. Kehe. 2,514,648, July 11.
2-(2-hydroxyethoxy) ethylamine. J. B. Dickey and J. G. McNally. 2,529,923, Nov. 14.
2[2-N-benzyl-N-(β-chloroethyl) aminoethyl] pyridine and the acid salts thereof. W. S. Gump and E. J. Nikawitz. 2,533,243, Dec. 12.
2[2(Phthalimido)ethyl]pyridines. F. K. Kirchner and C. J. Cavallito. 2,498,497, Feb. 21.
2-(2′-methyl-4′-amino-5′-methoxyphenyl) -2,1,3 benzotriazole. R. P. Parker and J. Seruto. 2,501,188, Mar. 21.
2,2,6,6-tetramethylolcyclohexanol, Preparation of. H. Wittcoff. 2,493,733, Jan. 3.
Two-unit welting. W. C. Vizard. 2,530,927, Nov. 21.
2-vinyldibenzothiophene and preparing the same. R. G. and L. W. Flowers. 2,499,186, Feb. 28.
Two-way washer. H. R. Harding. 2,525,796, Oct. 17.
Two wire electrical connector. E. R. Coutant. 2,525,449, Oct. 10.
Two-zone pump. T. P. Hoffer. 2,513,869, July 4.
Two-zone pump. T. P. Hoffer. 2,522,825, Sept. 19.
Type bar action for typewriting machines. C. T. Rice. 2,511,008–9, June 13.
Type shuttle and actuating mechanism therefor. D. F. Neely. 2,523,538, Sept. 26.
Type wheel shift mechanism for typewriting machines and the like. C. Chisholm. 2,506,704, May 9.
Typewriter attachment, Roll supporting. M. C. Duncan. 2,512,200, June 20.
Typewriter, Automatic. C. Wittenmyer. 2,493,709, Jan. 3.
Typewriter, Chinese. R. S. Brumbaugh. 2,526,633, Oct. 24.
Typewriter, Chinese. K. Wong. 2,534,330, Dec. 19.
Typewriter device for repetitively operating a typewriter key. D. H. Ward. 2,502,494, Apr. 4.
Typewriter, Electrically operated. F. H. Hesh. 2,532,228, Nov. 28.
Typewriter for printing with the aid of heat. H. Resch. 2,515,381, July 18.
Typewriter, Justifying. O. G. Oswold. 2,514,085, July 4.
Typewriter, Line-printing. R. F. Wheeler. 2,503,182, Apr. 4.
Typewriter manifolding device. A. P. R. Thunbo. 2,532,431, Dec. 5.
Typewriter, Music. C. E. Brizendine. 2,528,110, Oct. 31.
Typewriter, Power-actuated. S. B. Petit. 2,521,478, Sept. 5.
Typewriter ribbon carrier. E. H. Dreher. 2,509,862, May 30.
Typewriter ribbon mechanism. H. M. Von Duyke. 2,508,780, May 23.
Typewriter tabulator stop mechanism. J. F. Koca. 2,535,358, Dec. 26.
Typewriter with longitudinally projected type strip elements, Flat platen. P. Y. Loung. 2,527,016, Oct. 24.
Typing and printing mechanism for accounting machines and the like. C. K. Rainey. 2,496,357, Feb. 7.
Typographical distributing machine. F. C. Frolander and R. R. Mead. 2,523,109, Sept. 19.
Typographical machine. H. Ellis. 2,523,102, Sept. 19.
Typographical machine having holding means for character viewing. F. Stadelmann. 2,504,745, Apr. 18.
UF$_6$, Preparation of. R. M. Hainer. 2,535,572, Dec. 26.
U-frame for ladies' handbags. S. McD. Henke. 2,497,353, Feb. 14.
Ultra high frequency apparatus. E. A. Johnson. 2,520,148, Aug. 29.
Ultra high frequency apparatus. S. Sensiper. 2,508,426, May 23.
Ultra high frequency apparatus. J. R. Woodyard. 2,496,837, Feb. 7.
Ultra high frequency coupling. J. D. Mallett and J. H. Gamble. 2,526,678, Oct. 24.
Ultra high frequency electron tube. A. M. Skellett. 2,517,726, Aug. 8.
Ultra high frequency frequency-control arrangement. K. E. Farr. 2,499,576, Mar. 7.
Ultra high frequency generator. E. C. Okress. 2,530,172, Nov. 14.
Ultra high frequency modulation circuit. J. G. Stephenson and R. R. Webster. 2,527,773, Oct. 31.
Ultra high frequency oscillation generator. C. E. Hallmark. 2,531,426, Nov. 28.
Ultra high frequency oscillator circuit. G. E. Hulstede. 2,508,573, May 23.
Ultra high frequency power detecting unit. O. Lundstrom. 2,522,525, Sept. 19.
Ultra high frequency resonant circuit. L. C. Smith. 2,530,089, Nov. 14.
Ultra high frequency signal generator. A. V. Haeff, T. E. Hanley, and C. B. Smith. 2,535,062, Dec. 26.
Ultra high frequency tube. D. Alpert. 2,525,468, Oct. 10.
Ultra high frequency wave generator. L. Apker and J. Kahnke. 2,534,098, Dec. 12.
Ultramarine, Making. A. E. Gessler and C. A. Kumins. 2,535,057, Dec. 26.
Ultra short wave transmitting tube. O. Doehler, W. Kleen, and H. Huber. 2,531,972, Nov. 28.
Ultra violet absorbing filter. A. Barnes. 2,534,654, Dec. 19.
Ultraviolet transmitting high silica glass, Making. M. E. Nordberg. 2,505,001, Apr. 25.
Umbilical hernia pad. P. Ambrose. 2,496,081, Jan. 31.
Umbrella. C. E. Clapper. 2,528,578, Nov. 7.
Umbrella. J. D. Ellis. 2,493,121, Jan. 3.
Umbrella. R. P. Habig. 2,493,136, Jan. 3.
Umbrella. F. J. Mazzeo. 2,507,919, May 16.
Umbrella. E. Okun. 2,510,597, June 6.
Umbrella. E. H. Parmenter. 2,502,984, Apr. 4.
Umbrella. S. Schlesinger. 2,509,887, May 30.
Umbrella. S. M. Senna. 2,522,645, Sept. 19.
Umbrella. L. Staunton, R. L. Atkinson, and E. J. Hopkins. 2,496,501, Feb. 7.
Umbrella, Beach. S. Kober. 2,533,322, Dec. 12.
Umbrella construction. Max and Matthew Ornstein. 2,504,221, Apr. 18.
Umbrella container. T. Courter. 2,522,604, Sept. 19.
Umbrella cover mounting. B. A. Haydu. 2,533,799, Dec. 12.
Umbrella ferrule. D. Miller. 2,495,380, Jan. 24.
Umbrella, Folding. J. Buono. 2,515,493, July 18.
Umbrella, Four-way. F. Vogel. 2,493,705, Jan. 3.
Umbrella lock. E. Katzberg. 2,528,002–3, Oct. 31.
Umbrella notch ferrule, Combination. P. S. Sobotka. 2,502,677, Apr. 4.
Umbrella supporting structure. A. L. Faasse. 2,515,993, July 18.
Unbalanced-to-balanced impedance matching device. C. Driscoll. 2,530,048, Nov. 14.
Uncapping machine, Honeycomb. M. I. Taylor. 2,531,709, Nov. 28.
Undecylenic acid and undecylenate antimycotic composition. J. C. Baker. 2,510,946, June 13.
Undercarriage for aircraft, Retractable. C. H. Flurscheim. 2,534,962, Dec. 19.
Undercarriage for aircraft, Retractable. D. T. Lawson. 2,529,401, Nov. 7.
Undercarriage for self-laying track type vehicles. R. W. Smith. 2,496,136, Jan. 31.
Undercutting drill. S. E. Cressey. 2,495,509, Jan. 24.
Underframe construction for vehicles, especially railway cars, End. A. G. and W. B. Dean. 2,504,112, Apr. 18.
Underframe, especially for railcars. J. Ledwinka and G. Trautvetter. 2,504,933, Apr. 18.
Underframe for vehicles, especially railway cars. W. B. Dean. 2,504,113, Apr. 18.
Undergarment. B. Ehrlich. 2,525,170, Oct. 10.
Undergarment. R. L. Miller. 2,493,357, Jan. 3.
Undergarment. E. A. Rockwell. 2,503,636, Apr. 11.
Undergarment. S. Roodner. Re. 23,255, Aug. 15.
Undergarment. H. C. Shelton. 2,503,357, Apr. 11.
Undergarment. R. Sullivan. 2,526,978, Oct. 24.
Undergarment. S. J. Woodruff. 2,522,010. Sept. 12.
Undergarment, Combination. S. Hoenig. 2,496,348, Feb. 7.
Undergarment Combination. H. C. Shelton. 2,503,690, Apr. 11.
Undergarment construction. F. C. Owenby. 2,494,261, Jan. 10.
Undergarment, Infant's. M. A. Brennan. 2,525,396, Oct. 10.
Undergarment, Lady's. I. C. B. Jones. 2,522,375, Sept. 12.
Undergarment, Lady's. S. Landau. 2,529,774, Nov. 14.
Undergarment, Woman's. S. Roodner. 2,505,504, Apr. 25.
Underground storage tank. E. S. Pomykala. 2,531,742, Nov. 28.
Underply turn down and stitching device. E. E. Mallory and J. W. White. 2,529,509, Nov. 14.
Under runner, Trolley. H. C. Hoover. 2,500,826, Mar. 14.
Underscoring device for typewriters. M. G. Lemos. 2,509,571, May 30.
Undershirt and the like, Infant's. C. H. Clarendon. 2,498,528, Feb. 21.
Undershirt, Child's. O. L. Long. Re. 23,202, Mar. 7.
Underskirt. R. G. Baldrica. 2,532,532, Dec. 5.
Underwaist and brassière, Combination. E. Golde. 2,496,529, Feb. 7.
Underwater sound generator. J. M. Ide. 2,495,730, Jan. 31.
Undulating roll. M. E. Houk. 2,518,785, Aug. 15.

Undulating track roundabout. J. J. Skelley. 2,509,944, May 30.
Ungelatinized starch ethers from polyfunctional etherifying agents. M. Konigsberg. 2,500,950, Mar. 21.
Unidirectional flow valve. W. M. Dotts, Jr., and J. R. Morrison. 2,498,985, Feb. 28.
Uniform microdisplacement device, particularly for gratings scriber. P. A. Drouin. 2,506,141, May 2.
Union. R. L. Kerr. 2,520,215, Aug. 29.
Union. D. J. Parmesan. 2,523,995, Sept. 26.
Union and expansion joint. C. R. Dale. 2,533,097, Dec. 5.
Union dyeing of cellulose-cellulose ester textile materials with vat dyes. G. C. Ward and W. T. Haggerty, Jr. 2,524,092, Oct. 3.
Union dyeing of mixed fabrics of cellulose ester and animal fibers with alkaline reduced vat dye solutions containing swelling agents. G. C. Ward and W. T. Haggerty, Jr. 2,524,093, Oct. 3.
Unit carry device for accumulators. E. J. Sochaczewski. 2,503,004, Apr. 4.
Unit cooling, agitating, and dispensing apparatus for beverages, Multiple. F. T. Amador. 2,492,950, Jan. 3.
Unit for buildings, Air-heating. F. L. Thompson. 2,496,505, Feb. 7.
Unit for cable expansion and contraction, Hydraulic. H. A. Stevenson. 2,515,274, July 18.
Unit for communication systems, Coupling. E. W. Breisch and K. E. Doriot. 2,529,280, Nov. 7.
Unit for heating milk bottles and the like, Portable. M. S. Mumford. 2,512,284, June 20.
Unit heater. H. F. Brinen. 2,504,798, Apr. 18.
Unit providing mechanical movement responsive to temperature changes. E. P. De Craene. 2,507,466, May 9.
Unitary flaring tool. G. E. Franck. 2,534,510, Dec. 19.
Universal all wire holder. R. R. Rundell. 2,517,244, Aug. 1.
Universal and slip joint. A. Crot. 2,511,495, June 11.
Universal cam action valve lifter. F. M. Slack. 2,523,069, Sept. 19.
Universal coupling. J. S. Duffy. 2,500,277, Mar. 14.
Universal device for sharpening hypodermic needles. R. A. Bloomquist. 2,520,523, Aug. 29.
Universal expansion case. F. D. Smith. 2,506,844, May 9.
Universal fluid coupling. F. E. Sanborn. 2,525,951, Oct. 17.
Universal joint. F. C. Good. 2,499,490, Mar. 7.
Universal joint. F. M. Guy. 2,515,000–2, July 11.
Universal joint. M. E. Moon. 2,499,030, Feb. 28.
Universal joint. W. J. Smith and W. W. Slaght. 2,512,690–1, June 27.
Universal joint. N. B. Strachovsky. 2,504,750, Apr. 18.
Universal joint. S. G. Wingquist. 2,532,433–4, Dec. 5.
Universal machine tool. W. J. Meckoski and J. Snyder. 2,501,134, Mar. 21.
Universal scouring pad holder. G. A. Rees. 2,526,418, Oct. 17.
Universal screw propeller generator. M. K. von Zimmermann. 2,524,091, Oct. 3.
Universal tire supporting carrier. G. R. Arel. 2,515,167, July 18.
Universal-type picture frame. J. W. Swenson. 2,534,741, Dec. 19.
Unloader arrangement for centrifugal separators. C. A. Olcott. 2,517,409, Aug. 1.
Unloader for compressors, Centrifugal. E. Nathan. 2,529,349, Nov. 7.
Unloader for farm vehicles. E. R. Ehlert. 2,530,350, Nov. 14.
Unloader for pumps. M. W. Huber. 2,501,054, Mar. 21.
Unloader for tumbler type washing machines. H. Solomon. 2,518,729, Aug. 15.
Unloader for vehicles, Power grain scoop. J. R. Howe. 2,534,266, Dec. 19.
Unloader, Vacuum cleaner dust bag. C. K. Brown, Jr. 2,497,581, Feb. 14.
Unloading apparatus, Compressor. A. B. Newton. 2,510,050, May 30.
Unloading apparatus for automotive trucks. L. B. Wright. 2,499,442, Mar. 7.
Unloading apparatus for vehicles. V. B. King. 2,495,898, Jan. 31.
Unloading device. P. Penberthy. 2,494,103, Jan. 10.
Unloading valve. E. J. Vander Velde. 2,495,879, Jan. 31.
Unsaturated fatty acid moddified rosin esters and preparing same. J. B. Rust. 2,518,497, Aug. 15.
Upending tractor seat. H. J. Stewart. 2,534,386, Dec. 19.
Upholstery formations, Producing. H. M. Strickler. 2,524,640, Oct. 3.
Upholstery material from palmetto fibers, Making. B. G. H. van der Jagt. 2,520,483, Aug. 29.
Upholstery unit. H. G. Morner. 2,495,124, Jan. 17.
Uppers for lasting, Preparing. J. W. Pratt. 2,523,480, Sept. 26.
Upsetting a hollow rivet. H. A. Lebert. 2,535,079, Dec. 26.
Upsetting of metal rods or bars. M. O. Hanna. 2,495,060, Jan. 17.
Uramidohomomeroquinene. R. B. Woodward and W. V. E. Doering. 2,500,444, Mar. 14.
Uranium fluorides and a compound produced thereby, Producing. P. A. Agron and S. W. Weller. 2,510,850, June 6.
Uranium halides, Production of. A. S. Newton and O. Johnson. 2,534,677, Dec. 19.
Uranium triiodide, Production of. J. A. Holmes. 2,524,384, Oct. 3.
Urea aldehyde modified rubber. J. D. D'Ianni. 2,522,349, Sept. 12.
Urea, Crystallizing. J. L. M. Frejacques. 2,498,539, Feb. 21.
Urea formaldehyde cellulosic composition, Preparing a. R. A. Caughey. 2,527,795, Oct. 31.
Urea-formaldehyde-oxazolidine co-reaction resin. V. C. Meunier and C. M. Cox. 2,517,128, Aug. 1.
Urea formaldehyde resinous product. B. E. Anderson. 2,535,475, Dec. 26.
Urea-formaldehyde resins of high naphtha tolerance. G. E. Eilerman. 2,532,396, Dec. 5.
Urea, Preparation of. J. S. Mackay. 2,527,315, Oct. 24.
Urea, Synthetic manufacture of. J. L. M. Frejacques. 2,498,538, Feb. 21.
Urethanes containing the lysergic acid ring system and making same. A. Stoll, A. Hofmann, and F. Troxler. 2,533,698, Dec. 12.
Urinal. O. W. Mason. 2,503,284, Apr. 11.
Urinal, Portable bedside. W. A. Johnson. 2,522,273, Sept. 12.
Urn, Inurnment. H. E. McClellen. 2,513,951, July 4.
Use of fluoboric acid as a means of removing core sands from castings. H. L. Moir. 2,502,337, Mar. 28.
Use of furfural in grease manufacture. A. J. Morway. 2,516,138, July 25.
Use of mixed vapors to control food sterilization temperature. O. C. Cessna. 2,503,193, Apr. 4.
Use of mobile catalysts in effecting chemical reactions. T. B. Hudson. 2,518,474, Aug. 15.
Use of mobile catalysts in the isomerization of hydrocarbons. T. B. Hudson and J. D. Upham. 2,502,008, Mar. 28.
Use of olefin polymer oil for grease manufacture. W. B. Whitney. 2,526,986, Oct. 24.
Utensil and method, Cooking. A. C. Scavullo. 2,494,266, Jan. 10.
Utensil, Baking. H. A. Palmer. 2,522,397, Sept. 12.
Utensil, Cooking. O. J. Alvarez. 2,522,558, Sept. 19.
Utensil, Cooking. W. F. Holifield. 2,494,812, Jan. 17.
Utensil, Cooking. A. Lindzy. 2,493,983, Jan. 10.
Utensil, Cooking. L. F. Mote. 2,508,963, May 23.
Utensil, Culinary. M. Forman. 2,511,909, June 20.
Utensil, Headwash. M. Muth. 2,514,584, July 11.
Utensil, Kitchen. F. M. Burditt. 2,527,395, Oct. 24.
Utensil, Kitchen. G. R. Canfield. 2,522,343, Sept. 12.
Utensil receptacle. H. R. Thoresen. 2,516,273, July 25.
Utensil, Retractable polypointed writing. H. M. Rem. 2,494,202, Jan 10.
Utensil, Reversible cooking. R. Burley. 2,497,976, Feb. 21.
Utensil set, Domestic. M. I. Glass. 2,498,413, Feb. 21.
Utensil surface form and character, Cooking. H. M. Bramberry. 2,534,407, Dec. 19.
Utility bag. W. Ruml, Jr. 2,505,208, Apr. 25.
Utility cement mixing box. R. L. Webster and E. W. Crew. 2,507,874, May 16.
Utility lamp. A. L. Halpern. 2,516,866, Aug. 1.
Utility rack. A. R. Carter. 2,515,293, July 18.
Utility reel. O. W. Schweitz. 2,505,151, Apr. 25.
Utility service clamp. W. S. Corey. 2,526,200, Oct. 17.
Utility stove cover. C. and J. S. Robinson. 2,503,132, Apr. 4.
Utilization of impure coke-oven gas and waste pickle liquor in the manufacture of ammonium sulfate. W. Tiddy and F. D. Cooper. 2,511,307, June 13.
Utilizing acid sludge. J. H. Wells and P. J. Wilson, Jr. 2,494,420, Jan. 10.
Utilizing brake torque in a vehicle suspension. A. S. Page. 2,520,777, Aug. 29.
Utilizing charged-particle radiation. E. G. Linder. 2,520,603, Aug. 29.
Utilizing coke-oven gas and waste pickle liquor for the production of ammonium sulfate. W. Tiddy. 2,511,306, June 13.
Utilizing detergents to solubilize keratin materials. C. B. Jones and D. K. Mecham. 2,517,572, Aug. 8.
V-belt sheave. F. W. Browning. 2,500,515, Mar. 14.
V-block aligning attachment. M. D. Patterson. 2,521,086, Sept. 5.
Vacuum adapter for vacuum controlled spark advance, Auxiliary Venturi. G. L. Young and W. Ostling. 2,508,851, May 23.
Vacuum bottom plate and take-out mechanism for glassware blow mold, Double. H. C. MacConnell, Jr. 2,500,083, Mar. 7.
Vacuum breaker. J. B. Dyer. 2,502,211, Mar. 28.
Vacuum breaker valve. M. Callejo. 2,512,478, June 20.
Vacuum breaker valve. D. G. Griswold. 2,511,435, June 13.
Vacuum cleaner. A. H. Beede. 2,522,498, Sept. 19.
Vacuum cleaner. J. F. Cavanagh. 2,520,877, Aug. 29.
Vacuum cleaner. S. F. Crabb. 2,534,578, Dec. 19.
Vacuum cleaner, J. B. Kirby. 2,500,832, Mar. 14.
Vacuum cleaner. A. M. Lewyt and C. E. Meyerhoefer. 2,516,707, July 25.
Vacuum cleaner. H. C. Lilly. 2,528,375, Oct. 31.
Vacuum cleaner. G. E. Lofgren. 2,522,882, Sept. 19.
Vacuum cleaner. G. E. Lofgren. 2,534,280, Dec. 19.
Vacuum cleaner. H. J. McAllister. 2,507,672, May 16.

Vacuum cleaner. H. E. Metz. 2,531,342, Nov. 21.
Vacuum cleaner. L. Namenyi-Katz. 2,529,625, Nov. 14.
Vacuum cleaner. D. H. Reeves. 2,499,330, Feb. 28.
Vacuum cleaner. M. G. Sisemore. 2,535,963, Dec. 26.
Vacuum cleaner. F. K. Storm, Jr. 2,524,117, Oct. 3.
Vacuum cleaner. O. W. Timm. 2,503,568, Apr. 11.
Vacuum cleaner and burner, Combination. H. Leon. 2,521,465, Sept. 5.
Vacuum cleaner attachment. B. S. Jablon. 2,531,627, Nov. 28.
Vacuum cleaner chest. J. Serwin. 2,528,249, Oct. 31.
Vacuum cleaner coupling. G. M. Kelly. 2,516,883, Aug. 1.
Vacuum cleaner for carding engines, Continuous. A. M. Castell. 2,507,141, May 9.
Vacuum cleaner head. W. H. Leslie. 2,520,942, Sept. 5.
Vacuum cleaner support. J. W. Sheker. 2,506,897, May 9.
Vacuum cleaner with automatic nozzle height adjustment. A. W. Seyfried. 2,535,322, Dec. 26.
Vacuum cleaner with auxiliary suction tube and automatically controlled brush drive. J. B. Kirby. 2,504,846, Apr. 18.
Vacuum cleaner with dirt-bag feed and ejection. E. P. Senné. 2,532,642, Dec. 5.
Vacuum cleaner with dustpan. D. Caughey. 2,519,741, Aug. 22.
Vacuum cleaner with superimposed attachment carrying receptacle, Tank type. E. A. Hamala. 2,534,122, Dec. 12.
Vacuum condenser. R. H. Chamberlin and H. E. Sorg. 2,533,713, Dec. 12.
Vacuum condenser. P. L. Spencer. 2,524,000, Sept. 26.
Vacuum cooling apparatus. L. A. Droescher. 2,512,056, June 20.
Vacuum-cup record-transporting device. R. Somma. 2,523,157, Sept. 19.
Vacuum distillation. F. J. Castle and R. E. Beal. 2,530,376, Nov. 21.
Vacuum exhaust tube for connection to marine engines. R. X. MacArthur. 2,522,883, Sept. 19.
Vacuum gauge. E. W. Flosdorf. 2,535,492, Dec. 26.
Vacuum gauge. R. H. Varian. 2,501,702, Mar. 28.
Vacuum hair drier. V. F. Hribar. 2,503,113, Apr. 4.
Vacuum head for filling containers with powders. C. F. Carter. 2,513,143, June 27.
Vacuum ignition advance. B. W. Westcott, C. Colvin, and H. R. Grant. 2,503,645, Apr. 11.
Vacuum leak detector method. R. B. Jacobs. 2,504,530, Apr. 18.
Vacuum lens block. M. Suben. 2,520,977, Sept. 5.
Vacuum mop cleaning receptacle. M. Kersky. 2,519,254, Aug. 15.
Vacuum operated door lock. R. B. Hill. 2,535,574, Dec. 26.
Vacuum packing food products under agitation. H. L. Roberts and P. Sognefest. 2,529,514, Nov. 14.
Vacuum production apparatus. K. C. D. Hickman. 2,501,276, Mar. 21.
Vacuum pump. K. C. D. Hickman. 2,535,796, Dec. 26.
Vacuum pump. M. Morand. 2,508,765, May 23.
Vacuum pump. E. Rawson. 2,496,676, Feb. 7.
Vacuum relief valve. A. N. Asselin. 2,505,376, Apr. 25.
Vacuum rupture operated pump. A. M. Wirtanen. 2,494,529, Jan. 10.
Vacuum sealing machine. J. Hohl, H. A. Barnby, and J. M. Wheaton. 2,506,363, May 2.
Vacuum steam heating system and operating the same. R. J. McKinnon. 2,534,826, Dec. 19.
Vacuum street cleaner. I. M. Wells. 2,496,028, Jan. 31.
Vacuum system, Automatic. P. C. Smith. 2,522,969, Sept. 19.
Vacuum tank drain valve. F. G. Hodsdon. 2,496,470, Feb. 7.
Vacuum tube assembly process. B. R. Corson. 2,517,981, Aug. 8.
Vacuum tube circuit. E. W. Molloy. 2,495,072, Jan. 17.
Vacuum tube flux meter. R. Kinslow. 2,509,394, May 30.
Vacuum tube puller. R. Schneider. 2,513,821, July 4.
Vacuum tube support. E. W. Breisch. 2,529,279, Nov. 7.
Vacuumizing and closing machine, Container. H. B. Peterson and R. E. Renard. 2,513,357, July 4.
Vacuumizing apparatus. C. G. Preis. 2,521,746, Sept. 12.
Vaginal diaphragm, Disposable. H. E. Harris. 2,522,822, Sept. 19.
Valance light. G. M. Graham. 2,514,049, July 4.
Valance structure. G. Kahn. 2,534,519, Dec. 19.
Value selecting and entering mechanism. G. C. Ellerbeck. 2,530,515, Nov. 21.
Valve: *See*—
Accident valve.
Accumulator valve.
Air control valve.
Air vent valve.
Automatic air valve.
Automatic drain valve.
Automatic gauge valve.
Automatic open center six port control valve.
Automatic relief valve.
Automatic restriction valve.
Automatic return flow control valve.
Automatic safety shut-off valve.
Automatic shutoff valve.
Automatic sprinkler valve.
Automatic valve.
Automatically reversible regulating valve.
Axial operated flush tank valve.
Backflow preventer valve.
Backflow prevention valve.
Back pressure regulator valve.
Bag valve.
Valve: *See*—Continued.
Balanced control valve.
Balanced valve.
Bleed valve.
Bottle filler valve.
Brake release valve.
Carburetor valve.
Check valve.
Combination valve.
Combined shutoff and metering valve.
Compressor suction valve.
Condensation drain valve.
Conduit gate valve.
Constant flow mixing valve.
Control valve.
Controlled cycle relief valve.
Cooler failure automatic by-pass valve.
Cutoff valve.
Diaphragm motor valve.
Diaphragm valve.
Diluter-demand pressure breathing oxygen valve.
Double gate valve.
Drain valve.
Drip valve.
Dual flush valve.
Electric motor controlled valve.
Electrically operated shut-off valve.
Emission stabilized electronic valve.
Exhalation valve.
Expansion safety valve.
Expansion valve.
Filling valve.
Filter control valve
Float valve.
Floor drain valve.
Flow control valve.
Flow regulation valve.
Flow valve.
Fluid control valve.
Fluid controlling valve.
Fluid distributing valve.
Fluid mixture and volume control valve.
Fluid operated motor valve.
Fluid-powered valve.
Fluid pressure operated valve.
Fluid-pressure valve.
Fluid-regulating valve.
Fluid valve.
Flush tank ball valve.
Flush valve.
Four-way, slide, selector valve.
Four-way valve.
Free flow valve.
Fuel control valve.
Fuel supply control valve.
Fuel valve.
Gas meter valve.
Gas pressure regulator valve.
Gas safety valve.
Gate valve.
Grit feed valve.
Hydraulic brake check valve.
Hydraulic brake valve.
Hydraulic control valve.
Hydraulic pump unloading valve.
Hydraulic relief valve.
Hydraulic reversing check valve.
Hydraulic valve.
Hydraulically actuated brake valve.
Inertia valve.
Inner tube valve.
Internal-combustion engine valve.
Laterally swingable flush valve.
Lift plug valve.
Line pressure lubricated plug valve.
Liquid mixing valve.
Liquid sealed valve.
Lowering valve.
Lubricated valve.
Magnetically-controlled valve.
Manually operable fluid valve.
Measuring valve.
Mechanical lift plug valve.
Metering valve.
Microchoke valve.
Mixer valve.
Mixing valve.
Modulating valve.
Multiflow control valve.
Multiport valve.
Needle valve.
Nonreturn flow valve.
Nonsticking back-pressure valve.
Nozzle valve.
Oil well valve.
On-off check valve.
Oral inflation valve.
Oxygen check valve.
Packless self-sealing plug cock valve.
Packless valve.
Piston valve.
Plug valve.
Plunger actuated valve.
Pneumatic valve.
Power control valve.
Power-operated valve.
Power transmission valve.
Pressure-compensated mixing valve.
Pressure control valve.
Pressure limiting thermostatic expansion valve.
Pressure operated valve.
Pressure reducing valve.
Pressure regulating valve.
Pressure regulator valve.
Pressure release valve.
Pressure relief valve.
Pressure responsive valve.
Pressure valve.
Proportional flow valve.
Pump valve.
Quick operating valve.
Radiator vent valve.
Reciprocating mixing valve.
Reducing thermal shock high-temperature valve.
Refinery valve.
Refrigerant expansion valve.
Refrigeration control valve.
Refrigeration expansion valve.
Register controlled autostop valve.
Regulating valve.
Regulator valve.
Relief valve.
Retractable gate valve.
Reversible temperature control valve.
Reversing valve.
Rotary balancing valve.
Rotary fluid valve.
Rotary plug valve.
Rotary valve.
Rubber insert type reciprocating valve.
Rubber sealed gate valve.
Safety valve.
Salvage valve.
Selective valve.
Selector valve.
Self-sealing spherical mixing valve.
Separator blowoff valve.
Shaftless butterfly valve.
Sink drain valve.
Sleeve valve.
Slide valve.
Slush pump valve.
Slush valve.
Snap-action pilot valve.
Snap action suction valve.
Soft-seat relief valve.
Speed responsive valve.
Swing valve.
Swinging slide valve.
Temperature and pressure operated valve.
Temperature operated valve.
Thermal limit valve.
Thermal valve.
Thermostatic control valve.
Thermostatic mixing valve.
Thermostatic temperature and flow control valve.
Thermostatic valve.
Tire relief valve.

Valve: *See*—Continued.
Truck tank emergency valve.
Unidirectional flow valve.
Unloading valve.
Vacuum breaker valve.
Vacuum relief valve.
Vacuum tank drain valve.
Variable drip valve.
Variable throttle valve.
Velocity check valve.
Velocity modulation electronic valve.
Vessel filling valve.
Vulnerability valve.
Water mixing valve.
Weighted flush tank valve.

Valve. H. Allen. 2,505,270, Apr. 25.
Valve. J. R. Almond and W. C. Bosworth. 2,515,029, July 11.
Valve. J. W. Beams. 2,521,891, Sept. 12.
Valve. A. Bertea. 2,496,849, Feb. 7.
Valve. W. J. Bowan and F. Tratzik. 2,510,494, June 6.
Valve. M. L. Bryer. 2,529,795, Nov. 14.
Valve. L. Burn. 2,509,998, May 30.
Valve. M. Caserta. 2,501,121, Mar. 21.
Valve. L. B. Courtot. 2,534,577, Dec. 19.
Valve. J. L. Cunningham. 2,498,396, Feb. 21.
Valve. W. P. Dalrymple. 2,500,806, Mar. 14.
Valve. C. E. Deardorff and W. E. Elder. 2,509,589, May 30.
Valve. R. W. De Lancey. 2,513,236, June 27.
Valve. W. C. Diehl, Jr. 2,499,732, Mar. 7.
Valve. R. Eichenberg and F. Gober. 2,496,452, Feb. 7.
Valve. B. D. Figg. 2,526,017, Oct. 17.
Valve. F. C. Fischer. 2,512,320, June 20.
Valve. G. E. Franck. 2,534,509, Dec. 19.
Valve. E. A. Fredrickson, C. Bolling, and R. H. Zinkil. 2,520,092, Aug. 22.
Valve. R. E. Glos. 2,531,679, Nov. 28.
Valve. H. C. Grant, Jr. 2,524,052, Oct. 3.
Valve. L. E. Grosboll. 2,497,448, Feb. 14.
Valve. F. C. Haberland. 2,498,121, Feb. 21.
Valve. J. L. Hackathorn. 2,497,354, Feb. 14.
Valve. G. L. Hammon. 2,507,102, May 9.
Valve. R. E. Imhoff and W. J. Wildern. 2,527,733, Oct. 31.
Valve. G. P. Klaas. 2,505,410, Apr. 25.
Valve. V. G. Klein. 2,524,129, Oct. 3.
Valve. A. L. Loucks. 2,501,869, Mar. 28.
Valve. S. I. MacDuff. 2,517,005, Aug. 1.
Valve. B. W. Mantle. 2,506,306, May 2.
Valve. R. W. Mattison. 2,535,310, Dec. 26.
Valve. F. W. McRae. 2,525,928, Oct. 17.
Valve. F. H. Mueller. 2,510,514, June 6.
Valve. F. H. Mueller. 2,511,477, June 13.
Valve. W. J. Parducci. 2,517,596, Aug. 8.
Valve. G. V. Powers. 2,496,176, Jan. 31.
Valve. G. V. Randel. 2,524,474, Oct. 3.
Valve. F. J. Raybould. 2,498,608, Feb. 21.
Valve. G. Raymond. 2,499,527, Mar. 7.
Valve. F. F. Rike and H. W. Webb. 2,505,992, May 2.
Valve. P. H. Ryan. 2,505,145, Apr. 25.
Valve. I. H. G. Saint. 2,506,111, May 2.
Valve. E. F. Sarver. 2,516,425, July 25.
Valve. P. Schenk. 2,524,234, Oct. 3.
Valve. T. F. Schlicksupp. 2,494,633, Jan. 17.
Valve. P. I. Semak. 2,508,843, May 23.
Valve. G. E. Sleeper, Jr., and G. W. McPeak. 2,505,998, May 2.
Valve. H. Tomoser. 2,509,656, May 30.
Valve. Y. Z. von Stackelberg. 2,517,061, Aug. 1.
Valve. J. H. H. Voss. 2,525,054, Oct. 10.
Valve. A. J. Weatherhead, Jr. 2,513,976, July 4.
Valve. V. Weber. 2,495,398, Jan. 24.
Valve. E. C. Weiffenbach. 2,533,652, Dec. 12.
Valve. A. A. West. 2,514,431, July 11.
Valve. H. E. Wirth. 2,501,461, Mar. 21.
Valve. A. J. Wolf, H. F. Moller, and W. M. Crook. 2,531,759, Nov. 28.
Valve. M. T. Works and M. R. Jones. 2,525,989, Oct. 17.

Valve action for windshield wiper motors. W. C. Hess. 2,523,992, Sept. 26.

Valve action mechanism for wind instruments. F. N. Meyers. 2,533,389, Dec. 12.

Valve actuating control system, Automatic. E. C. Petrie and J. Trefil. 2,530,722, Nov. 21.

Valve actuating device for boost regulators, Servo. C. E. Cole. 2,508,229, May 16.

Valve actuating means for hydraulic nomographic multipliers. F. B. Brown. 2,507,498, May 16.

Valve actuating mechanism. C. T. Walter. 2,527,341, Oct. 24.

Valve and closure therefor. J. J. Delany. 2,523,864, Sept. 26.

Valve and counter, Electrically controlled dispensing. J. O. Price. 2,534,987, Dec. 19.

Valve and diverter, Mixing. P. C. Symmons. 2,519,158, Aug. 15.

Valve and fluid transitive appliance, Composite by-pass. E. Niederer, Jr., and O. J. Hegedus. 2,515,252, July 18.

Valve and handle mechanism for portable fire extinguishers. D. G. Fawkes. 2,506,074, May 2.

Valve and meter apparatus. F. H. Dechant. 2,500,156, Mar. 14.

Valve and operating mechanism therefor. W. T. Caldwell. 2,503,469, Apr. 11.

Valve and parts thereof, Coated. G. F. Scherer. 2,525,831, Oct. 17.

Valve and renewable seat assemblage, Float. R. Mazzeo. 2,510,991, June 13.

Valve and soap dispenser arrangement for automatic clothes-washing machines, Water supply. T. T. Woodson. 2,523,801, Sept. 26.

Valve and switch, Gas pressure operated. L. P. Welch. 2,522,697, Sept. 19.

Valve and switch support for endoscopic instruments, Rotatable. H. S. Rubens and I. Suwa. 2,531,827, Nov. 28.

Valve and system for the elimination of ice from aircraft, Air distributor. D. M. Lawrence and D. Gregg, and M. L. Taylor. 2,515,519, July 18.

Valve and system, Hydraulic. A. L. Lee. 2,527,943, Oct. 31.

Valve and system, Moisture ejector. C. O. Bruestle. 2,534,697, Dec. 19.

Valve apparatus, Flushing. J. M. Drum. 2,495,213, Jan. 24.

Valve apparatus suitable for use in counting electrical impulses, Electronic. T. H. Flowers. 2,503,662, Apr. 11.

Valve apparatus, Thermionic. S. G. King. 2,516,089, July 18.

Valve arrangement. M. H. Kalina. 2,515,231, July 18.

Valve arrangement for grounded aviation trainers, Main and auxiliary control. S. I. Hayes and T. Herskovits. 2,514,762, July 11.

Valve assembly. C. P. Dahl. 2,533,921, Dec. 12.

Valve assembly. E. C. Hartley. 2,493,966, Jan. 10.

Valve assembly. E. C. Hartley. 2,533,931, Dec. 12.

Valve assembly. L. A. Majneri. 2,500,555, Mar. 14.

Valve assembly. A. L. Parker. 2,529,412, Nov. 7.

Valve assembly. W. H. Peck. 2,525,615, Oct. 10.

Valve assembly, Automatic safety. O. T. Broyles. 2,495,628, Jan. 24.

Valve assembly, Clearance. C. W. Metzgar. 2,506,162, May 2.

Valve assembly, Fluid. D. H. Reeves. 2,497,557-8, Feb. 14.

Valve assembly for flush tanks, Unitary. L. M. Bowers. 2,527,909, Oct. 31.

Valve assembly for fuel systems. J. F. Melichar. 2,506,097, May 2.

Valve assembly for use with metal flasks containing gas under high pressure. O. S. Phillips. 2,525,617, Oct. 10.

Valve assembly, Hydraulic control. E. M. Pfauser and S. Mandl. 2,526,406, Oct. 17.

Valve bag. H. E. Lee. Re. 23,230, May 16.

Valve closing device, Magnetically operated safety. W. S. Landon. 2,494,395, Jan. 10.

Valve connection, Pop-up. S. A. Young. 2,524,723, Oct. 3.

Valve construction. A. U. Bryant. 2,519,541, Aug. 22.

Valve construction. A. U. Bryant and D. H. Annin. 2,507,851, May 16.

Valve construction. O. J. Burke. 2,524,764, Oct. 10.

Valve construction. C. I. Cederholm. 2,494,228, Jan. 10.

Valve construction. J. C. Hobbs. Re. 23,272, Sept. 26.

Valve construction. G. R. Pennington. 2,513,817, July 4.

Valve construction and control. A. L. Ocheltree. 2,496,635, Feb. 7.

Valve construction for combustion chambers, Ring. R. H. Goddard. 2,518,001, Aug. 8.

Valve construction for combustion chambers, Ring. R. H. Goddard. 2,518,003, Aug. 8.

Valve construction for free piston compressors. A. Kalitinsky. 2,523,376, Sept. 26.

Valve construction for gauging tapes. P. C. Jurs. 2,533,264, Dec. 12.

Valve construction for proportioning devices. G. A. Mau. 2,534,046, Dec. 12.

Valve construction for regenerative furnaces. H. Hellan. 2,518,314, Aug. 8.

Valve construction, Gas. L. A. Ward. 2,496,834, Feb. 7.

Valve construction, Rotary. H. Boyce. 2,500,794, Mar. 14.

Valve construction, Safety filler and vapor return. L. C. Roney. 2,516,424, July 25.

Valve construction, Safety relief. L. J. Kmiecik. 2,528,440, Oct. 31.

Valve control for crankcase compression engines. A. Starts. 2,495,784, Jan. 31.

Valve control for fluid supply in burner systems, Automatic. W. A. Ray. 2,512,173, June 20.

Valve control for servomotors. F. A. Tann and K. W. Westlund. 2,508,806, May 23.

Valve control means. A. Manhartsberger. 2,499,402, Mar. 7.

Valve control means, Automatic. W. O. Martin. 2,531,286, Nov. 21.

Valve control means for hydraulic mechanism, Follow-up. F. T. Court. 2,519,228, Aug. 15.

Valve control mechanism. J. B. McMahon and T. A. Abbott. 2,533,491, Dec. 12.

Valve control mechanism, Compressor. W. A. Eaton. 2,533,777, Dec. 12.

Valve control mechanism for hydraulic circuit. F. T. Court. 2,505,527, Apr. 25.

Valve control mechanism for reciprocated devices. F. R. Whitcomb. 2,505,224, Apr. 25.

Valve control mechanism for saxophones and the like, G-sharp. E. J. Gillespie. 2,503,666, Apr. 11.

Valve control mechanism for water softening apparatus. L. G. Lindsay and L. A. Nelson. 2,507,343, May 9.

Valve control of scavenging, Two-cycle engine sleeve. E. E. K. Sparmann. 2,523,599, Sept. 26.
Valve control system for scarfing machines. W. Begerow. 2,520,193, Aug. 29.
Valve control system, Predetermined. K. A. Raypholtz. 2,506,738, May 9.
Valve coupling. G. Janson, Jr. 2,517,571, Aug. 8.
Valve cover. H. E. Thornhill. 2,499,614, Mar. 7.
Valve device. C. L. Davis. 2,504,006, Apr. 11.
Valve device. C. B. Ives. 2,500,357, Mar. 14.
Valve device. G. K. Newell. 2,508,185, May 16.
Valve device. G. R. Wallen and H. R. Trausneck. 2,499,893, Mar. 7.
Valve device, Check. N. G. Cadman and B. C. Vigor. 2,498,482, Feb. 21.
Valve device, Control. R. E. Watson. 2,512,046, June 20.
Valve device, Fluid pressure control. A. J. Bent. 2,496,904, Feb. 7.
Valve device for pressure fluid containers. E. E. Martin. 2,529,808, Nov. 14.
Valve device for well conduits. R. C. Baker and W. S. Althouse, Jr. 2,493,650, Jan. 3.
Valve device, Safety. G. T. McClure. 2,501,730, Mar. 28.
Valve-diaphragm type, Temperature controlled mixing. C. R. Suska. 2,511,792, June 13.
Valve element assembly, Thermionic. H. Diggle. 2,503,806, Apr. 11.
Valve excitation and control circuit, Electric. M. J. Mulhern. 2,517,129, Aug. 1.
Valve extension for inner tubes. E. R. Doepke. 2,508,503, May 23.
Valve extractor. R. I. Badger. 2,507,240, May 9.
Valve flap for mouth organs. H. Bibus. 2,504,296, Apr. 18.
Valve for bottles, Nonrefillable. D. P. Moore. 2,517,911, Aug. 8.
Valve for carburetors, Throttle. H. S. Brown, W. E. Armstrong, and J. V. Reichenbach. 2,529,244, Nov. 7.
Valve for compressed air reservoirs, Automatic drain. L. L. Hamilton. 2,509,597, May 30.
Valve for containers and the like. J. H. Stroop. 2,520,976, Sept. 5.
Valve for controlling the flow of molten metals. H. Hill and S. Beckinsale. 2,517,311, Aug. 1.
Valve for dishwashing machines, Combined impeller and drain. C. Hollerith. 2,517,109, Aug. 1.
Valve for dispensing and proportioning sirup and carbonated water, Automatic. B. G. Copping. 2,495,210, Jan. 24.
Valve for double-acting hydraulic systems, Control. W. T. Stephens. 2,499,425, Mar. 7.
Valve for double-acting piston type motors, Control. S. E. Gordon. 2,500,538, Mar. 14.
Valve for drill stems and the like. G. S. Knox. 2,518,795, Aug. 15.
Valve for fluid-pressure systems, Control. E. J. Carleton. 2,500,450, Mar. 14.
Valve for fluid servomotors, Control. C. Johnson. 2,526,361, Oct. 17.
Valve for fluids. N. Swindin. 2,516,029, July 18.
Valve for fuel burner systems, Temperature responsive safety. D. F. Drow. 2,530,942, Nov. 21.
Valve for fuel gas. E. H. Mueller. 2,514,506, July 11.
Valve for fuel nozzles, Automatic shutoff. D. Samiran. 2,507,545, May 16.
Valve for gas burners. E. H. Mueller. 2,498,376, Feb. 21.
Valve for heat exchangers, Temperature control. R. W. Jensen. 2,510,473, June 6.
Valve for hose nozzles, Automatic safety shutoff. A. L. Grisé. 2,529,936, Nov. 14.
Valve for hot and cold water, Mixing and volume control. G. E. Manis. 2,503,881, Apr. 11.
Valve for hydraulic brake systems. B. N. Ashton and E. V. Barkow. 2,502,118, Mar. 28.
Valve for hydraulic motors, Pressure-responsive reversing. G. M. Geiger and H. M. Purcell. 2,534,966, Dec. 19.
Valve for hydraulic systems, Safety check. A. Johnson. 2,531,274, Nov. 21.
Valve for internal-combustion engines, Air inlet. D. V. Steynor. 2,519,607, Aug. 22.
Valve for internal-combustion engines, Exhaust. A. F. Lukes. 2,508,615, May 23.
Valve for jet propulsion motors, High capacity, low inertia check. J. Y. Dunbar, W. Schubert, and N. R. Hussey. 2,505,757, May 2.
Valve for lamp sealing apparatus, Rotary gas mixing. R. M. Gardner. 2,504,925, Apr. 18.
Valve for material under pressure, Dispensing. L. G. Bowen. 2,513,272, July 4.
Valve for mass tubs, Discharge. J. Epstein. 2,504,070, Apr. 11.
Valve for multicylinder pumps, Cylindrical ring. M. W. Huber. 2,518,619, Aug. 15.
Valve for multiple resonance combustion chambers, Rotating. R. H. Goddard. 2,515,644, July 18.
Valve for oil burners, Air control. H. Weyenberg and C. Quist. 2,512,047, June 20.
Valve for oil well pumps and the like, Unloading. R. L. Chenault. 2,517,841, Aug. 8.
Valve for oxygen breathing systems, Mask relief. S. R. Oldham, W. J. Jacobsson, and J. A. Hoffman. 2,530,536, Nov. 21.
Valve for pipe lines, Drain. W. H. Stout and J. B. Terrill, Jr. 2,512,695, June 27.
Valve for power transmissions, Relief. D. B. Gardiner. 2,498,542, Feb. 21.
Valve for pressing machines and the like, Fluid chamber connecting. N. Monsarrat. 2,535,590, Dec. 26.
Valve for pressure cookers, Relief pressure. P. J. Kircher. 2,509,101, May 23.
Valve for refrigerating systems, Expansion. H. F. Lathrop. 2,524,913, Oct. 10.
Valve for reso-jet motors, Rotary air intake. H. R. Jordan. 2,508,396, May 23.
Valve for resonance combustion chamber, Combined air and fuel control. R. H. Goddard. 2,528,133, Oct. 31.
Valve for rock drills, Distributing. E. B. Lear. 2,493,298, Jan. 3.
Valve for solvent extractors, Filter-and-discharge. F. C. Simon. 2,517,040, Aug. 1.
Valve for steam heating systems, Air. J. K. Lund. 2,516,225 July 25.
Valve for suction cleaners, Auxiliary. E. F. Restemeier. 2,515,425, July 18.
Valve for tires. P. M. Bourdon. 2,495,955, Jan. 31.
Valve for toilet flush tanks. C. P. Jacobsen and V. Swanback. 2,524,666, Oct. 3.
Valve for toilet tanks, Flush. B. Roselair. 2,511,545, June 13.
Valve for vehicle jacks. R. H. McClure. 2,499,072, Feb. 28.
Valve for viscous fluids, Safety. V. W. Farris. 2,505,613, Apr. 25.
Valve for volatile liquid containers, Two-port. A. F. Blumer and E. J. Verret. 2,529,275, Nov. 7.
Valve for volatile liquids with filling gauge, Dispensing and filling. P. Guth. 2,527,359, Oct. 24.
Valve for water softening apparatus. J. Evans. 2,532,614, Dec. 5.
Valve for wells, Wash. A. J. Penick. 2,495,642, Jan. 24.
Valve gear for internal-combustion engines. J. L. Jameson. 2,515,347, July 18.
Valve gear for operating poppet valves of internal-combustion engines. A. O. Kutz. 2,521,176, Sept. 5.
Valve grinding tool. C. E. Murphey. 2,501,000, Mar. 21.
Valve handle. J. S. Forbes. 2,499,739, Mar. 7.
Valve handle. R. H. Wright. 2,502,812, Apr. 4.
Valve header assembly, Discharge. E. G. Lickteig. 2,510,048, May 30.
Valve held open by flow, Outlet. L. C. Barling. 2,534,942, Dec. 19.
Valve indexing means for fuel systems. J. F. Melichar. 2,506,098, May 2.
Valve locking means for cookstoves. H. M. Reeves. 2,525,562, Oct. 10.
Valve manifold, Multiple safety. J. K. Heller. 2,507,104, May 9.
Valve means. G. E. Franck. 2,499,022, Feb. 28.
Valve means for follow-up pressure fluid servomotors and the like, Movement controlling. C. E. Coates. 2,516,449, July 25.
Valve means for liquid fuel pumps. E. A. Watson and R. J. Ifield. 2,506,694, May 9.
Valve means for spraying devices. C. F. Boe. 2,494,793, Jan. 17.
Valve mechanism. D. Adams. 2,496,512, Feb. 7.
Valve mechanism. B. P. Baker, L. R. Ludwig and J. M. Cumming. 2,525,470, Oct. 10.
Valve mechanism. A. J. Bent. 2,501,755, Mar. 28.
Valve mechanism. R. H. Casler. 2,493,442, Jan. 3.
Valve mechanism. C. K. Huthsing. 2,506,872, May 9.
Valve mechanism. E. E. Littlefield. 2,496,553, Feb. 7.
Valve mechanism. R. F. Smith. 2,528,796, Nov. 7.
Valve mechanism, Blowoff. C. G. Learned and E. L. Cull. 2,495,901, Jan. 31.
Valve mechanism, Condition responsive reversing. W. O. Lum. 2,495,227, Jan. 24.
Valve mechanism for air conditioning registers. R. L. Leigh. 2,509,774, May 30.
Valve mechanism for clutches and brakes, Control. W. W. Criley. 2,496,040, Jan. 31.
Valve mechanism for fluid actuated rotary tools, Throttle. E. R. Whitledge. 2,499,708, Mar. 7.
Valve mechanism for hydraulic apparatus, Control. C. E. Adams. 2,512,730, June 27.
Valve mechanism for power brakes. R. R. Gunderson. 2,498,108, Feb. 21.
Valve mechanism for steam engines. F. L. Weed. 2,528,097, Oct. 31.
Valve mechanism for steam irons, Automatic. A. H. Charland. 2,501,028, Mar. 21.
Valve mechanism, Pressure controlled pump operating. H. E. Rose. 2,517,243, Aug. 1.
Valve mechanism, Reducing. S. W. Lack. 2,521,637, Sept. 5.
Valve modulator. J. R. Tillman. 2,504,469, Apr. 18.
Valve of the progressive wave type, Amplifying. W. Kleen, O. Dohler, and H. Huber. 2,511,407, June 13.
Valve of water gas generators and the like, Stack. F. A. MacGregor. 2,503,625, Apr. 11.
Valve operating means. E. C. Hartley and H. E. Hull. 2,523,825, Sept. 26.
Valve operating means. A. Manhartsberger. 2,516,131, July 25.
Valve operating means, Flush tank. S. Gertz. 2,502,086, Mar. 28.

Valve operating means for waxing and like devices. R. Lachapelle. 2,509,568, May 30.
Valve operating mechanism. H. B. Carbon. 2,506,063, May 2.
Valve operating mechanism. R. J. Finch and A. P. Harrington. 2,505,106, Apr. 25.
Valve operating mechanism for registers. R. L. Leigh. 2,509,773. May 30.
Valve operating mechanism, Hydraulic. C. Morey. 2,496,740, Feb. 7.
Valve operator. W. A. Ray. 2,503,563, Apr. 11.
Valve organization. W. C. Jaegle. 2,530,433, Nov. 21.
Valve outlet for containers, Nozzle equipped. J. Coyle and W. F. Punte. 2,514,030, July 4.
Valve position indicator operating mechanism, Waterworks. E. D. Harshbarger. 2,530,164, Nov. 14.
Valve removing machine. C. P. Applegate. 2,524,949, Oct. 10.
Valve return device. J. Panhard. 2,534,621, Dec. 19.
Valve rod guide for flush tanks. S. W. Sincomb. 2,530,209, Nov. 14.
Valve rotating device. S. H. Norton. 2,516,795, July 25.
Valve seal or the like, Adjustable. F. J. Lee. 2,505,413, Apr. 25.
Valve seat. D. W. Blevans. 2,516,947, Aug. 1.
Valve seat. E. F. Loweke. 2,515,656, July 18.
Valve seat and valve stem gauging apparatus. N. F. Clayborne. 2,521,966, Sept. 12.
Valve seat forming apparatus. W. L. Nelson. 2,503,404, Apr. 11.
Valve-seat grinding means. A. I. Dunn. 2,525,119, Oct. 10.
Valve seat insert. H. C. Karcher and D. Gerdan. 2,517,114, Aug. 1.
Valve spring compressor. H. W. Kulp. 2,533,121, Dec. 5.
Valve spring depressor, Multiple. A. J. Delehanty. 2,510,334, June 6.
Valve spring remover, Overhead. H. E. Collett. 2,519,024, Aug. 15.
Valve stem construction. R. O. Monroe and J. W. Hieronymus. 2,504,863, Apr. 18.
Valve stem dislodging tool. W. W. Walden. 2,495,040, Jan. 17.
Valve stem lock. E. J. Wendell and R. B. Sargent. 2,521,659, Sept. 5.
Valve structure. T. E. Mead. 2,505,333, Apr. 25.
Valve structure for hydraulic shock absorbers. G. M. Magrum. 2,516,782, July 25.
Valve structure for passage of strip material through the wall of liquid treatment baths. W. H. Tait. 2,522,071, Sept. 12.
Valve structure, Siphon. W. B. Kochner. 2,506,837, May 9.
Valve structure, Vent. P. L. Mikeska. 2,497,181, Feb. 14.
Valve system, Inverse automatic flow regulating. W. O. Lum. 2,495,272, Jan. 24.
Valve system, Pressure relief. A. B. Bagsar. 2,503,187, Apr. 4.
Valve system, Reversible regulating. R. U. Berry. 2,495,228, Jan. 24.
Valve tappet, Intermittently operated. F. M. Kincaid, Jr. 2,526,239, Oct. 17.
Valve tool. O. H. Lunda. 2,517,583, Aug. 8.
Vane type hydraulic motor. O. E. Rosaen. 2,521,997, Sept. 12.
Valve unit. A. G. Gurries. 2,501,328, Mar. 21.
Valve unit. W. M. Myers. 2,532,568, Dec. 5.
Valve unit, Dual. W. E. Snowden and H. F. Raynor. 2,529,852, Nov. 14.
Valve unit in burner systems, Combined manual, thermostatic, and safety. W. E. Jenkins. 2,515,229, July 18.
Valve used as a control. R. C. Churchman. 2,532,607, Dec. 5.
Valve used for hydraulic windshield wipers, Automatic cycling. H. L. Burns. 2,511,834, June 20.
Valve with adjustable shutoff control, Air. F. M. Littell. 2,494,396, Jan. 10.
Valve with leak detector, Exhaust. J. M. Campbell. 2,533,712, Dec. 12.
Valve with multiple override, Thermostatic. J. E. Dube, F. M. MacDougall, and G. D. Bower. 2,529,378, Nov. 7.
Valve with rapid advance and full pressure positions, Press operating. R. K. Sedgwick. 2,516,924, Aug. 1.
Valve with sleeve insert, Folded-in bag. N. E. Weeks. 2,517,068, Aug. 1.
Valve with vent cutoff, Receptacle operated filling. J. B. McCabe. 2,518,349, Aug. 8.
Valved hose coupling. M. J. Smith and H. J. Shane. 2,493,271, Jan. 3.
Valved paste ejector. D. Peterson. 2,532,782, Dec. 5.
Valveless reciprocating pump. F. C. Melchior. 2,502,334, Mar. 28.
Valves with resistance igniter, Ionic. E. Uhlmann. 2,535,467, Dec. 26.
Vanadium pentoxide catalysts. W. C. Cooper. 2,510,803, June 6.
Vane construction, Pump entry. R. R. Curtis. 2,494,086, Jan. 10.
Vane structure for rotating combustion chambers. R. H. Goddard. 2,532,712, Dec. 5.
Vane type fluid motor window regulator. B. S. Floraday. 2,511,501, June 13.
Vane type hydraulic clutch. T. Klavon. 2,514,449, July 11.
Vane type pump. W. F. Helmrich. 2,520,087, Aug. 22.
Vanes for rotating combustion chamber, Movably mounted auxiliary. R. H. Goddard. 2,500,537, Mar. 14.
Vanillin, Producing. H. B. Marshall and C. A. Sankey. 2,516,827, July 25.
Vanillin purification by distillation. C. C. Bryan. 2,506,540, May 2.
Vanity back view chair. W. N. Parry. 2,532,853, Dec. 5.
Vanity box. M. Y. Rosenfeld. 2,533,049, Dec. 5.
Vanity case. F. M. Williamson. 2,526,596, Oct. 17.
Vanity case and utility light, Combination illuminated. C. F. Scott. 2,529,972, Nov. 14.
Vapor electric device. J. L. Boyer. 2,501,308, Mar. 21.
Vapor electric device. J. L. Boyer. 2,512,299, June 20.
Vapor electric device. L. A. Casanova. 2,515,985, July 18.
Vapor electric device. L. A. Casanova. 2,534,899, Dec. 19.
Vapor-electric device. N. C. Fulmer. 2,495,165, Jan. 17.
Vapor-electric device. C. R. Marcum. 2,519,267, Aug. 15.
Vapor electric device. M. Middleton, Jr. 2,499,769, Mar. 7.
Vapor electric device. W. E. Pakala and H. A. Rose. 2,512,373, June 20.
Vapor generator. G. D. Ebbets. 2,515,443, July 18.
Vapor generator. M. Frisch. 2,518,459, Aug. 15.
Vapor generator. H. H. Hemenway. 2,521,718, Sept. 12.
Vapor generating and control apparatus for combustion chambers. R. H. Goddard. 2,532,710, Dec. 5.
Vapor generating apparatus with automatic fuel control. M. Frisch. 2,527,539, Oct. 31.
Vapor injector. R. G. Thomas. 2,534,483, Dec. 19.
Vapor-liquid contacting unit. J. A. Patterson. 2,497,136, Feb. 14.
Vapor liquid solvent extraction process. H. J. Hibshman and R. H. Lafferty. 2,520,006, Aug. 22.
Vapor phase conversion of 1-alkynols. E. V. Winslow, Jr. 2,524,865, Oct. 10.
Vapor phase converted hydrocarbons, Production of. W. W. Holland. 2,535,418, Dec. 26.
Vapor phase fluorination. E. T. McBee and R. M. Robb. 2,533,132, Dec. 5.
Vapor phase fluorination process. A. F. Benning. 2,505,877, May 2.
Vapor pressure relief system. O. L. Garretson. 2,517,194, Aug. 1.
Vapor Protection, Flammable. W. J. Willenborg. 2,533,339, Dec. 12.
Vapor stream vacuum pump. J. W. Tills. 2,501,923, Mar. 28.
Vapor temperature control. J. R. Powell and H. R. Fulton. 2,526,898, Oct. 24.
Vaporization of liquid, Triple effect. G. W. Watson. 2,510,672, June 6.
Vaporizer. H. F. Costello. 2,513,919, July 4.
Vaporizer. R. J. Dieker. 2,534,661, Dec. 19.
Vaporizer. I. Dreyer. 2,519,444, Aug. 22.
Vaporizer. M. W. Hanks and A. B. Johnson. 2,533,794, Dec. 12.
Vaporizer. A. J. Huck. 2,522,718, Sept. 19.
Vaporizer. A. J. Huck. 2,526,027, Oct. 17.
Vaporizer. B. H. Jennings, E. Bigg, and F. C. W. Olson. 2,523,371, Sept. 26.
Vaporizer. M. Katzman. 2,497,612, Feb. 14.
Vaporizer and igniter, Oil burner. H. L. Finley. 2,530,237, Nov. 14.
Vaporizer and mixing device, Gaseous fluid. S. P. Grevas. 2,535,410, Dec. 26.
Vaporizer, Combined lighter and incense. J. T. Williams and K. F. Riese. 2,510,449, June 6.
Vaporizer, Electric. T. L. Turner. 2,519,515, Aug. 22.
Vaporizer for liquefied petroleum gas dispensing systems. F. P. De Larzelere. 2,525,874. Oct. 17.
Vaporizer, Fuel. H. de A. Só. 2,507,464, May 9.
Vaporizer, Hydrocarbon. A. N. Kerr. 2,516,218, July 25.
Vaporizer, Hydrocarbon fuel. H. W. Smith and L. L. Luxon. 2,493,369, Jan. 3.
Vaporizer, Lamp. P. Libson. 2,535,802, Dec. 26.
Vaporizer, Liquid fuel. W. A. Clements. 2,523,096, Sept. 19.
Vaporizer, Portable. H. R. Rich. 2,515,266. July 18.
Vaporizer type oil burner. S. C. Towar. 2,533,854, Dec. 12.
Vaporizer unit. W. C. Buttner. 2,499,355, Mar. 7.
Vaporizing and dispensing liquefied gases, Method and apparatus for. T. H. Ransome. 2,497,793, Feb. 14.
Vaporizing apparatus. B. E. Carlson. 2,502,777, Apr. 4.
Vaporizing apparatus. G. Feick, III. 2,504,314, Apr. 18.
Vaporizing oil burner. V. H. Hill. 2,535,923, Dec. 26.
Vaporizing or gasifying liquids. W. P. Kinneen. 2,493,073, Jan. 3.
Vaporizing tray type oil burner. T. A. McCrimmon. 2,533,678, Dec. 12.
Vaporizing type blast whirl oil burner. J. O. Horbetz. 2,531,272, Nov. 21.
Vaporizing-type liquid fuel burner. P. Fournier. 2,533,783, Dec. 12.
Variable and reversible flow pump. H. J. Bush. 2,493,525, Jan. 3.
Variable and reversible rotary fluid power coupling. F. D. Butler. 2,506,576, May 9.
Variable capacity condenser. A. E. Gersch. 2,533,730, Dec. 12.

Variable capacity lubricating pump. E. Schmidt. 2,499,784, Mar. 7.
Variable capacity pump. R. H. Frederick. 2,517,862, Aug. 8.
Variable capacity reciprocating pump. W. T. Stephens. 2,510,150, June 6.
Variable compression engine. G. R. Erickson. 2,523,105, Sept 19.
Variable compression ratio internal-combustion engine. H. J. Kratzer. Re. 23,307, Dec. 12.
Variable condenser. B. B. Minnium. 2,535,367, Dec. 26.
Variable coupling tunable microwave resonater. E. G. Linder. 2,524,532, Oct. 3.
Variable delivery gear pump. H. M. Purcell. 2,526,830, Oct. 24.
Variable delivery pump. J. F. Hoffer. 2,496,915, Feb. 7.
Variable displacement pump. P. Schenk. 2,524,235, Oct. 3.
Variable drip valve. C. H. Sparklin and G. Sporney. 2,531,480, Nov. 28.
Variable electric resistance, potentiometer, and the like. P. X. Fox. 2,519,752, Aug. 22.
Variable impedance apparatus. C. W. Clapp. 2,514,935, July 11.
Variable inductance device. R. G. Clapp. 2,534,854, Dec. 19.
Variable inductor, Very high frequency. W. J. Polydoroff. 2,518,930, Aug. 15.
Variable load brake. W. F. Klein. 2,517,885, Aug. 8.
Variable load brake. G. Levesque du Rostu. 2,498,438, Feb. 21.
Variable load brake. G. T. McClure. 2,515,963, July 18.
Variable outlet for liquid conduits. E. T. Koskinen. 2,522,281, Sept. 12.
Variable polarizing color filter. E. H. Land. 2,493,200, Jan. 3.
Variable ratio forward and reverse drive means. W. G. Van Voorhis and C. Gerst. 2,503,928, Apr. 11.
Variable reactance. M. G. Crosby. 2,521,694, Sept. 12.
Variable reactance circuit. B. F. Wheeler. 2,510,787, June 6.
Variable reactance means for frequency modulating an oscillator. G. Hepp. 2,495,634, Jan. 24.
Variable reactor. D. H. Ring. 2,526,579, Oct. 17.
Variable rejection filter. C. W. Stoops. 2,520,177, Aug. 29.
Variable resistance. B. D. Lee. 2,511,924, June 20.
Variable resistance capacity arrangement. R. S. Mautner. 2,505,980, May 2.
Variable resistance device. E. Franklin. 2,501,813, Mar. 28.
Variable resistance device, Pressure-responsive. H. S. Jones. 2,494,621, Jan. 17.
Variable resistance without contacts. C. B. Fowler. 2,517,553, Aug. 8.
Variable resistor. T. B. Gibbs, G. W. Gilman, and G. F. Laing. 2,495,321, Jan. 24.
Variable resistor. L. E. Packard. 2,511,807, June 13.
Variable snap gauge. A. P. Teevin. 2,521,883, Sept. 12.
Variable-speed alternating current motor. L. W. Christensen. 2,507,399, May 9.
Variable speed changing gear. S. B. Rennerfelt. 2,509,940, May 30.
Variable-speed drive. R. P. Bechle. 2,522,559, Sept. 19.
Variable-speed electric drill. C. H. Sparklin. 2,525,839, Oct. 17.
Variable speed hydraulic clutch. J. R. Thomas. 2,531,014, Nov. 21.
Variable speed mechanism. M. S. Curtis and R. H. Clark. 2,519,118, Aug. 15.
Variable-speed reducer, E. R. Kenison. 2,521,067, Sept. 5.
Variable stroke press. G. W. Wells. 2,495,084, Jan. 17.
Variable stroke pump. C. R. Seglund. 2,500,579, Mar. 14.
Variable stroke radial pump. J. E. Smith. 2,523,543, Sept. 26.
Variable throttle valve. J. M. and F. H. Towler. 2,531,371, Nov. 21.
Variable vacuum condenser. J. E. Jennings. 2,511,338, June 13.
Variable volume rotary vane pump. A. E. Ruona. 2,498,826, Feb. 28.
Variable volume washer. L. M. Kahn. 2,530,822, Nov. 21.
Variation device with noise reducing resonator, Electron velocity. S. D. Robertson. 2,494,721, Jan. 17.
Variometer, Iron core. W. F. Fagen. 2,509,425, May 30.
Varnish treatment for rotors. J. W. Clokey. 2,524,885. Oct. 10.
Vasoconstrictor composition. D. H. Larsen. 2,498,687, Feb. 28.
Vat dyeing process for cellulose acetate textile material. G. W. Seymour, G. C. Ward, and R. L. Hunter. 2,528,614, Nov. 7.
Vat dyes of the anthraquinone 1,3,4-oxdiazole series. F. B. Stilmar. 2,511,018–19, June 13.
Vat dyes of the anthrimide carbazole acridone type. F. Max and D. I. Randall. 2,501,645, Mar. 21.
Vat dyes of the anthrimide carbazole thioxanthone type. F. Max and D. I. Randall. 2,533,170, Dec. 5.
Vat dyestuffs of the dibenzanthrone and isodibenzanthrone series, Preparing. W. Huber and K. Krauer. 2,503,823. Apr. 11.
Vault lowering device. C. A. Landon. 2,533,592. Dec. 12.
Vault, Waterproof cement. R. A. Titmus. 2,527,464, Oct. 24.
Vegetable box. R. E. Acker. 2,527,784, Oct. 31.
Vegetable cutter. W. H. Moore. 2,495,121, Jan. 17.
Vegetable cutter. E. Strassenburg. 2,519,409, Aug. 22.
Vegetable display rack. M. S. Bausch. 2,517,963, Aug. 8.
Vegetable gel. L. I. De Voss, A. C. Beckel, and P. A. Belter. 2,495,706, Jan. 31.
Vegetable oil extraction. A. C. Beckel, P. A. Belter, and H. J. Deobald. 2,505,749, May 2.
Vegetable washer. G. L. McCargar. 2,503,556, Apr. 11.
Vegetation cutter. C. L. Roberts. 2,494,263, Jan. 10.
Vehicle: *See*—
Amphibious vehicle.
Articulated vehicle.
Automobile vehicle.
Bedpan vehicle.
Body dumping vehicle.
Children's vehicle.
Child's vehicle.
Delivery vehicle.
Dump vehicle.
Hand-propelled vehicle.
Heavy-duty vehicle.
High-speed rail vehicle.
Land and air vehicle.
Load-handling utility vehicle.
Material conveying and dumping vehicle.
Material hauling and dispensing vehicle.
Motor vehicle.
Occupant propelled vehicle.
Package delivery type motor vehicle.
Planting and thinning vehicle.
Powered three-wheeled vehicle.
Refrigerated vehicle.
Refuse collecting vehicle.
Remotely controlled toy vehicle.
Rider-propelled vehicle.
Road vehicle.
Self-unloading vehicle.
Spring ejected toy vehicle.
Tandem axle vehicle.
Toy vehicle.
Trailer supporting vehicle.
Trussed track tower vehicle.
Vehicle. R. Burnes and S. S. Harris. 2,502,367, Mar. 28.
Vehicle. C. R. Fritz. 2,503,106, Apr. 4.
Vehicle accessory mounting. H. C. Riemann. 2,526,045, Oct. 17.
Vehicle actuated gate. F. A. and H. F. Guth. 2,529,386, Nov. 7.
Vehicle aligning mechanism. E. H. Willetts. 2,525,388, Oct. 10.
Vehicle and parcel carrier, Child's. W. J. Zepp. 2,532,004, Nov. 28.
Vehicle and rearview mirror signal and extremity marker device therefor, Combination of a. T. L. Dalton. 2,511,971, June 20.
Vehicle apparatus, Power-driven. H. A. and G. H. Wagner. 2,516,816, July 25.
Vehicle assemblage, Dumping. R. F. Marquis. 2,507,033, May 9.
Vehicle bed, Load. J. H. Pla. 2,509,167, May 23.
Vehicle body and attachment therefor. E. A. Dempsey. 2,514,695, July 11.
Vehicle body and fender straightening apparatus. F. W. Bowie and E. N. Sturdevant. 2,509,330, May 30.
Vehicle body construction. F. S. Chaplin. 2,502,703, Apr. 4.
Vehicle body construction. H. Coleman. 2,534,501, Dec. 19.
Vehicle body construction. H. A. Hicks. 2,497,261, Feb. 14.
Vehicle body construction for manure spreaders. L. B. Neighbour and F. A. Thomann. 2,504,442, Apr. 18.
Vehicle body, Hydraulically adjustable. T. W. Dunstan. 2,493,236, Jan. 3.
Vehicle body side wall. J. W. Greig. 2,513,473, July 4.
Vehicle body structure. C. O. Guernsey. 2,502,320, Mar. 28.
Vehicle body, Telescopic. E. T. J. Tapp. 2,494,013, Jan. 10.
Vehicle brake and automatic self-adjusting means therefor. C. R. Myers and L. F. Basse. 2,526,149, Oct. 17.
Vehicle brake cable oiler. F. B. Williams. 2,531,095, Nov. 21.
Vehicle brake with automatic adjustment. J. Dessart. 2,525,212. Oct. 10.
Vehicle bumper. O. E. Sauer and E. A. Martell. 2,502,483, Apr. 4.
Vehicle bumper and adjustable pipe rack. C. E. Pauley. 2,533,837. Dec. 12.
Vehicle bumper guard and support structure for turn signal indicators or the like, Combined. J. G. Balmer, Jr. 2,533,212. Dec. 12.
Vehicle bumper jack. J. Erikainen. 2,502,037, Mar. 28.
Vehicle bumper tow clamp. H. C. Riemann and H. G. Bolmes. 2,506,109, May 2.
Vehicle-carried single-pass tree cutter. L. E. Meske. 2,512,666, June 27.
Vehicle change-speed and steering gear. D. B. Baker, W. O. Bechman, and W. W. Henning. 2,496,429, Feb. 7.
Vehicle construction. A. R. Cunningham. 2,527,118, Oct. 24.
Vehicle control. J. C. Auten. 2,523,491, Sept. 26.
Vehicle control. A. R. Stone. 2,507,484, May 9.
Vehicle control accessory. W. A. Coutcher. 2,503,802, Apr. 11.
Vehicle direction indicator. W. E. O'Shei. 2,493,688, Jan. 3.
Vehicle direction indicator. W. E. O'Shei. 2,516,480, July 25.
Vehicle direction signal. D. R. Henley. 2,508,824, May 23.

Vehicle draft eliminator. W. Menrath. 2,514,082, July 4.
Vehicle drive mechanism. C. A. Cook. 2,513,286, July 4.
Vehicle drive with individual motors for multiple driven parts, Hydraulic. H. E. Paulson. 2,530,720, Nov. 21.
Vehicle end gate. O. O. Winterton. 2,506,849, May 9.
Vehicle for hot line tools, Trailer. L. J. Linde. 2,531,140, Nov. 21.
Vehicle for passenger transport. L. H. Baghuis. 2,494,081, Jan. 10.
Vehicle for the parenteral administration of drugs, Making a fluid oil-beeswax. T. J. Macek. 2,493,202, Jan. 3.
Vehicle frame. E. J. Ziegler. 2,507,845, May 16.
Vehicle headlight control system. W. E. Dole, Jr. 2,507,436, May 9.
Vehicle hitch jack. J. P. Seaholm. 2,499,882, Mar. 7.
Vehicle jack. A. Goeller. 2,521,214, Sept. 5.
Vehicle jack. J. J. Salzmann. 2,497,960, Feb. 21.
Vehicle jack. E. D. Swisher. 2,521,266, Sept. 5.
Vehicle operator's leg support. C. E. Nelson. 2,522,887, Sept. 19.
Vehicle platform construction. W. C. Anderson and E. W. Riemenschneider. 2,525,281, Oct. 10.
Vehicle power drive control system. G. T. Randol. 2,493,030, Jan. 3.
Vehicle registration card and service tally holder. G. D. Ritchie. 2,531,295, Nov. 21.
Vehicle room and berth arrangement. B. E. Jones. 2,531,687, Nov. 28.
Vehicle safety device, Inertia actuated. D. Gregg. 2,499,993, Mar. 7.
Vehicle seat. J. Johnson. 2,522,873, Sept. 19.
Vehicle seat. H. Radford. 2,502,061, Mar. 28.
Vehicle sewage disposal system. W. E. Feazel. 2,514,230, July 4.
Vehicle signal lamp. C. H. M. Schamblin. 2,496,601, Feb. 7.
Vehicle spring. C. B. Fulton. 2,511,254, June 13.
Vehicle spring. W. L. Henry. 2,496,534, Feb. 7.
Vehicle spring manufacturing method. H. B. Clary. 2,518,867, Aug. 15.
Vehicle spring suspension. E. F. Morgan. 2,510,829, June 6.
Vehicle step, Folding. P. Pellegrini. 2,493,639, Jan. 3.
Vehicle support. K. F. Kron. 2,493,295, Jan. 3.
Vehicle supporting tread. E. Mullen and J. Boyko. 2,516,407, July 25.
Vehicle suspension. J. and E. J. Knopka. 2,529,806, Nov. 14.
Vehicle suspension. A. W. Mackie. 2,493,004, Jan. 3.
Vehicle suspension. G. S. Paine. 2,515,379, July 18.
Vehicle suspension, Auxiliary. B. Walker. 2,518,733, Aug. 15.
Vehicle suspension, Dual axle. A. S. Page. 2,520,778, Aug. 29.
Vehicle suspension, Dual beam. R. W. Pointer. 2,493,024, Jan. 3.
Vehicle take-off. G. L. Kuhl. 2,533,022, Dec. 5.
Vehicle tilting and locking, Dump. R. A. Norbom. 2,502,741, Apr. 4.
Vehicle top bow clamp. W. I. McClure. 2,516,713, July 25.
Vehicle transmission. E. C. McRae. 2,514,963, July 11.
Vehicle turn indicator signal. R. V. North. 2,521,304, Sept. 5.
Vehicle unloader. O. A. Pautz. 2,503,129, Apr. 4.
Vehicle ventilator operator. C. A. Sigel. 2,530,666, Nov. 21.
Vehicle washer. W. H. Hopper and V. R. Drake. Re. 23,294, Nov. 21.
Vehicle wheel. O. Alvistur. 2,505,821, May 2.
Vehicle wheel. C. S. Ash. 2,501,018, Mar. 21.
Vehicle wheel. C. S. Ash. 2,509,052, May 23.
Vehicle wheel. C. S. Ash. 2,533,707, Dec. 12.
Vehicle wheel. V. W. Green. 2,525,219, Oct. 10.
Vehicle wheel. E. S. MacPherson. 2,497,031, Feb. 7.
Vehicle wheel. D. McKenna. 2,506,677, May 9.
Vehicle wheel. C. R. Paton. 2,520,560, Aug. 29.
Vehicle wheel cover attachment clip. H. J. Horn. 2,526,026, Oct. 17.
Vehicle wheel mounting. J. C. Lewis. 2,513,032, June 27.
Vehicle wheel with demountable felly. J. W. Mÿnssen. 2,528,163, Oct. 31.
Vehicle with loading ramp, Power-driven. L. Schwitzer and J. Roland. 2,494,725, Jan. 17.
Vehicular tail gate. E. S. Grilley. 2,504,326, Apr. 18.
Veil and making same, Lady's decorated. A. Frank. 2,534,511, Dec. 19.
Velocipede. C. R. Gedat, P. Schimmel, and S. L. Atkins. 2,533,728, Dec. 12.
Velocipede frame head construction. H. L. Kraeft and L. J. Walters. 2,509,567, May 30.
Velocipede, Lifting. E. M. Wade and L. J. Costa. 2,529,749, Nov. 14.
Velocity check valve. H. Hooper. 2,511,983, June 20.
Velocity control, Hydraulic cylinder. K. W. Hall. 2,512,205, June 20.
Velocity governor compensating device. H. C. Minnear. 2,512,211, June 20.
Velocity modulation electronic valve. R. Warnecke and M. Lortie. 2,532,796, Dec. 5.
Velocity modulation tube. G. Goudet and R. Musson-Genon. 2,498,673, Feb. 28.
Velocity responsive apparatus, Angular. J. Lyman. 2,513,340, July 4.
Velvet, Manufacturing crushed. T. Van Heek. 2,524,119, Oct. 3.
Vending apparatus, Liquid. R. R. Hull. 2,529,394, Nov. 7.
Vending machine. H. J. Burasco. 2,532,084, Nov. 28.
Vending machine. J. M. Devens. 2,493,753, Jan. 10.
Vending machine. R. E. Elvers. 2,514,631, July 11.
Vending machine. C. G. Ewertz. 2,493,956, Jan. 10.
Vending machine. L. C. Graham. 2,522,033, Sept. 12.
Vending machine. C. W. Hall. 2,532,062, Nov. 28.
Vending machine. J. Haumann. 2,497,219, Feb. 14.
Vending machine. C. H. Kafer. 2,527,135, Oct. 24.
Vending machine. L. Kaplan. 2,525,682, Oct. 10.
Vending machine. W. C. Makibbin. 2,529,222, Nov. 7.
Vending machine. J. E. Stewart. 2,512,183, June 20.
Vending machine. J. E. Stewart. 2,513,595, July 4.
Vending machine. W. M. Stewart. 2,514,681, July 11.
Vending machine. H. B. Stoner. 2,529,196, Nov. 7.
Vending machine. R. H. Summerfield. 2,510,197, June 6.
Vending machine. C. J. Warren. 2,515,363, July 18.
Vending machine, Automatic. A. Eliason. 2,495,576, Jan. 24.
Vending machine, Bottled beverage. L. A. Shontz, Jr. 2,512,684, June 27.
Vending machine, Coin. A. E. Skovbo. 2,499,199, Feb. 28.
Vending machine, Coin controlled. M. C. Taylor. 2,518,095, Aug. 8.
Vending machine, Coin-freed ice-cream. W. H. Partridge. 2,511,076, June 13.
Vending machine, Disk record. J. F. Sweeney, E. T. Able, and I. A. MacKay. 2,535,332, Dec. 26.
Vending machine, Drink. J. J. Booth. 2,498,524, Feb. 21.
Vending machine, Hot material. O. C. Stover. 2,532,204, Nov. 28.
Vending machine, Merchandise. W. S. Tandler, D. S. Walker, F. A. De Wiess, and W. M. Teller. 2,531,238, Nov. 21.
Vending machine, Multiple compartment. J. B. Brock. 2,493,223, Jan. 3.
Vending machine, Newspaper. D. D. Cameron. 2,501,434, Mar. 21.
Vending machine, Newspaper. S. Leschin. 2,504,990, Apr. 25.
Vending machine, Newspaper. A. W. Sawitzke. 2,501,970, Mar. 28.
Vending machine, Package. W. Von Stoeser. 2,497,748, Feb. 14.
Vending machine unit, Frozen confection. J. E. Kendig. 2,518,333, Aug. 8.
Vending mechanism, Bottle. R. Warner and H. B. Smalley. 2,514,815, July 11.
Vending system. W. E. Snell, H. E. Frantz, Jr., and F. A. Hignutt. 2,526,512, Oct. 17.
Veneer clamp. A. Calabro. 2,525,204, Oct. 10.
Veneer, Making paper-covered. R. N. Ware, Jr., and R. Cannon. 2,521,554, Sept. 5.
Venetian blind. R. Bell. 2,508,742, May 23.
Venetian blind. R. Burnes. 2,512,594, June 37.
Venetian blind. F. J. Burns. 2,530,422, Nov. 21.
Venetian blind. R. J. Charbonneau. 2,505,943, May 2.
Venetian blind. E. Delgaudio. 2,493,186, Jan. 3.
Venetian blind. V. E. Edmonds. 2,509,677, May 30.
Venetian blind. G. H. Hauser and F. R. Wagner. 2,532,617, Dec. 5.
Venetian blind. O. L. Herron. 2,517,788, Aug. 8.
Venetian blind. J. L. Hunter and T. Martin. 2,535,926, Dec. 26.
Venetian blind. G. Jones. 2,495,973, Jan. 31.
Venetian blind. N. H. Kiatta. 2,506,507, May 2.
Venetian blind. S. F. Mayer. 2,523,038, Sept. 19.
Venetian blind. G. A. Moore. 2,529,305, Nov. 7.
Venetian blind. M. J. Nardulli. 2,535,751, Dec. 26.
Venetian blind. W. Turkowski. 2,529,714, Nov. 14.
Venetian blind. C. D. Walker. 2,533,298, Dec. 12.
Venetian blind and locking the same. L. and A. Rabinowitz. 2,523,392, Sept. 26.
Venetian blind, Automatically operated. J. Esposito. 2,520,629, Aug. 29.
Venetian blind, Autotilting. M. L. Kesner. 2,521,980, Sept. 12.
Venetian blind bracket. H. B. Chatfield. 2,498,067, Feb. 21.
Venetian blind bracket. H. B. Chatfield. 2,520,593, Aug. 29.
Venetian blind bracket. H. Nelson. 2,526,393, Oct. 17.
Venetian blind bracket. R. H. Wright and D. G. Haight. 2,515,067, July 11.
Venetian blind construction. G. L. Sherwood. 2,529,229, Nov. 7.
Venetian blind head-bar supporting bracket. H. Nelson. 2,518,923, Aug. 15.
Venetian blind installation bracket. H. Nelson. 2,524,711, Oct. 3.
Venetian blind mechanism. W. J. Stuber and J. J. Di Ienno. 2,534,080, Dec. 12.
Venetian blind slat holder. E. R. Gregory. 2,504,519, Apr. 18.
Venetian blind structure. A. W. Donop. 2,523,003, Sept. 19.
Venetian blind structure. E. E. Schaefer. 2,527,104, Oct. 24.
Venetian blind structure. W. H. West. 2,504,771, Apr. 18.

Venetian blind tilt control means. M. L. Kesner. 2,534,777, Dec. 19.
Venetian blind tilt shaft mechanism. F. J. Burns. 2,495,888. Jan. 31.
Vent, Air. F. Duran. 2,493,861, Jan. 10.
Vent, Air inlet. H. Lombard. 2,528,600, Nov. 7.
Vent arm and handle for storm sashes, Combination. E. E. Swartswelter, Jr. 2,508,199, May 16.
Vent cap. F. W. Ward, Jr. 2,494,679, Jan. 17.
Vent control for processing containers. R. D. Cowherd. 2,531,257, Nov. 21.
Vent control, Variable pressure. J. F. Sebald. 2,499,169, Feb. 28.
Vent construction, Fillercap. D. Friend and L. J. Smith. 2,504,072, Apr. 11.
Vent for pumps. C. W. Ginter. 2,522,711, Sept. 19.
Vent, Gas. D. L. Werner. 2,498,599, Feb. 21.
Vent, Intake. R. J. Marcoe. 2,502,736, Apr. 4.
Vent structure. L. F. Berg. 2,525,062, Oct. 10.
Vent structure for incubators. L. M. Porter. 2,521,308, Sept. 5.
Vent, Tank. J. W. Geisler. 2,510,098. June 6.
Vented tank cap. L. J. Smith. 2,501,621, Mar. 21.
Ventilated buffing wheel. V. L. Richards. 2,526,420, Oct. 17.
Ventilated corrugated board container. N. F. De La Foret. 2,533,773, Dec. 12.
Ventilated ironing board. L. R. Mueller. 2,495,468, Jan. 24.
Ventilated lens ring. M. N. Anderson. 2,533,547, Dec. 12.
Ventilated shipping container. H. A. Simms. 2,511,550, June 13.
Ventilated underwater internal-combustion engine. R. B. Whitney. 2,528,628. Nov. 7.
Ventilating apparatus. G. H. Dingman. 2,515,950, July 18.
Ventilating apparatus. B. W. R. Hickmott. 2,524,974, Oct. 10.
Ventilating apparatus. E. H. Lusk. 2,495,376, Jan. 24.
Ventilating apparatus. C. J. Rother and G. W. Larson. 2,516,805, July 25.
Ventilating apparatus. D. S. Sherard. 2,503,421, Apr. 11.
Ventilating apparatus for dynamoelectric machines. E. M. Claytor. 2,494,471, Jan. 10.
Ventilating attachment for vehicles. W. E. Emmert. 2,523,104, Sept. 19.
Ventilating device. F. J. Scallon. 2,505,147, Apr. 25.
Ventilating device. F. J. Scallon. 2,513,056. June 27.
Ventilating device. H. H. Doe. 2,528,301, Oct. 31.
Ventilating device, Air. K. J. Dosmar. 2,500,606, Mar. 14.
Ventilating device, Auto. H. L. Collins. 2,503,323, Apr. 11.
Ventilating device, Automobile. H. L. Collins. 2,520,623, Aug. 29.
Ventilating device for a kitchen and a kitchen stove. W. A. Pledger. 2,535,863, Dec. 26.
Ventilating device for automobiles. H. T. Moler. 2,493,685, Jan. 3.
Ventilating means for electric motors. V. A. Hoover. 2,522,675, Sept. 19.
Ventilating system. J. C. Akester and T. Wylie. 2,523,933, Sept. 26.
Ventilating system, Engine actuated. C. E. Blundell. 2,523,273, Sept. 26.
Ventilating system for Diesel houses. H. G. Miller and C. E. Brophy. 2,495,816, Jan. 31.
Ventilating system for dry closets and septic tanks. W. H. P. Reid. 2,520,657, Aug. 29.
Ventilating system for overhead crane cabs. H. Hemming. 2,496,209, Jan. 31.
Ventilating system with malodor reducing means, Air. A. W. Canney. 2,497,068, Feb. 14.
Ventilating unit for mounting in window frames, Room. R. H. Boemer. 2,525,395, Oct. 10.
Ventilation and heat control system, Combined. T. J. Lehane and E. H. Burgess. 2,534,174, Dec. 12.
Ventilation controlling device for chick boxes. H. J. Kneubuehl. 2,531,057, Nov. 21.
Ventilation of dynamoelectric machines. T. E. M. Carville. 2,508,144, May 16.
Ventilation of electric motors. M. A. Hyde. 2,512,332, June 20.
Ventilation system. B. E. Del Mar. 2,496,862, Feb. 7.
Ventilator. O. A Barber. 2,509,797, May 30.
Ventilator. M. B. Curley and J. Kilbourne. 2,502,207, Mar. 28.
Ventilator. R. H. Guenther. 2,523,620, Sept. 26.
Ventilator. A. L. Lee. 2,511,535. June 13.
Ventilator. F. L. Rose. 2,494,835, Jan. 17.
Ventilator. L. P. Touchett. 2,529,462. Nov. 7.
Ventilator, Adjustable window. V. A. Vicksell. 2,496,921, Feb. 7.
Ventilator and deflector, Storm sash. W. Wityaz and F. Kendra. 2,529,792, Nov. 14.
Ventilator assembly. I. Green. 2,517,303, Aug. 1.
Ventilator construction. C. J. Wagner. 2,495,830, Jan. 31.
Ventilator, Crankcase. H. A. Carlson and K. S. Grilleaux. 2,516,547, July 25.
Ventilator device for kitchen ranges. W. A. Pledger. 2,532,420, Dec. 5.
Ventilator for chimney stacks and the like. O. W. Peterson. 2,515,467, July 18.
Ventilator for closed carriages, Automatic. B. D. Hughes and E. L. Ford. 2,497,942, Feb. 21.
Ventilator for double hung window frames, Insertable. W. R. Kubatzky. 2,523,249, Sept. 19.
Ventilator for grain bins. A. Rupp. 2,521,188, Sept. 5.
Ventilator, Kitchen. R. B. Robertson. 2,528,844, Nov. 7.
Ventilator mechanism, Cowl. C. F. Kramer. 2,514,772, July 11.
Ventilator, Opposed louver. H. M. Peterson. 2,509,016, May 23.
Ventilator, Room. E. O. Gillen. 2,520,762, Aug. 29.
Ventilator, Storm. W. F. Dean. 2,520,625, Aug. 29.
Ventilator, Storm sash. M. J. Zinner. 2,503,019, Apr. 4.
Ventilator system for water closets. H. Mitton. 2,516,476, July 25.
Ventilator, Thermostatically controlled. B. G. Copping. 2,523,497. Sept. 26.
Ventilator, Thermostatically operated room. R. D. Huszagh. 2,516,879, Aug. 1.
Ventilator, Window. E. O. Gillen. 2,509,733. May 30.
Ventilator, Window. M. M. Rones. 2,506,469, May 2.
Ventilator, Window. J. R. Vondruska. 2,513,220, June 27.
Ventilator, Window and wall. O. Kubatzky. 2,535,933, Dec. 26.
Venting apparatus, Battery. F. H. Smith and P. G. Couperus. 2,531,952, Nov. 28.
Veratraldehyde from vanillin, Production of. D. McMillan. 2,496,803, Feb. 7.
Vernier attachment. J. R. Floyd, Jr. 2,502,039, Mar. 28.
Vertical and horizontal axes roundabout. B. B. Pewitt. 2,535,862, Dec. 26.
Vertical axis gyratory screen. L. G. Symons. 2,500,965, Mar. 21.
Vertical blind. F. W. and E. O. Bopp. 2,520,272, Aug. 29.
Vertical curve section for power-driven and free wheeling trolley conveyers. A. G. Rose. 2,510,318, June 6.
Vertical loop furnace. N. B. Jones and J. L. McFarland. 2,499,191, Feb. 28.
Vertical mechanism, Stable. J. D. Tear. 2,504,604, Apr. 18.
Vertical rolling mill. J. W. Sheperdson and J. M. O'Malley. 2,513,058, June 27.
Vertical shaft motor. C. L. Hamm. 2,516,567, July 25.
Vertical tuyère-type furnace. L. J. Richardson. 2,524,476. Oct. 3.
Vertically adjustable fluid pressure actuated work holder. S. B. Hildebrand and L. M. Shirlen. 2,517,431, Aug. 1.
Vertically adjustable link supported seat. C. J. Barecki. 2,527,905, Oct. 31.
Vertically adjustable table. P. Lazard. 2,508,405, May 23.
Vertically adjustable table. J. H. Pettit. 2,531,233, Nov. 21.
Vertically adjustable table. H. R. Wilkinson, Jr. 2,527,505, Oct. 24.
Vertically and tiltably movable X-ray table. F. A. Pitts and W. H. Haupt. 2,534,623, Dec. 19.
Vertically extensible projection television receiver cabinet. R. J. Shaw. 2,494,364, Jan. 10.
Vertically sliding flexible door. L. Delivuk. 2,513,152, June 27.
Vessel filling valve. R. F. Quam. 2,512,965–6, June 27.
Vessel for handling corrosive fluids. F. A. Ferguson. 2,526,463. Oct. 17.
Vessel for liquids such as beer and other beverages, Pressure. M. V. Kooij and A. H. Stomps. 2,512,105, June 20.
Vessel for storage of liquids at low temperatures. I. L. Wissmiller. 2,495,798, Jan. 31.
Vessel for submarine operations and operating the same, Stabilizable. C. J. McCoy. 2,531,983, Nov. 28.
Vessel for warming articles of food, Double. D. D. Johnston. 2,517,320, Aug. 1.
Vessel, High-pressure. B. R. Kramer. 2,519,770, Aug. 22.
Vessel, Liquid dispensing and measuring. J. E. Gall, Jr. 2,516,513, July 25.
Vessel, Pressure. F. E. Frey. 2,507,778, May 16.
Vessel, Thermal controlled cooking. L. F. Berg and W. R. McDowell. 2,530,643, Nov. 21.
Vessel with graphite plugs therein, Cast iron melting. C. A. Reams. 2,526,687, Oct. 24.
Vestee. A. M. Summers. 2,508,732, May 23.
Vestibule for telephone conversation recording, Sound transmission ear. S. B. Berkeley. 2,498,239, Feb. 21.
Vial supporting means for spirit levels. T. F. and G. J. Vaida. 2,502,905, Apr. 4.
Vibrating apparatus. J. W. Bridges. 2,533,711, Dec. 12.
Vibrating apparatus. G. H. Strain. 2,512,120, June 20.
Vibrating apparatus for treating human bodies. P. Bertholin. 2,498,977, Feb. 28.
Vibrating device. I. Chertoff. 2,495,159, Jan. 17.
Vibrating device. D. E. Mason. 2,520,044, Aug. 22.
Vibrating device. V. J. Terry and E. A. Foulkes. 2,523,341, Sept. 26.
Vibrating device for a directed vibratory effect by means of rotatable vibratory members. R. A. O. Signeul. 2,531,706, Nov. 28.
Vibrating device for dumping loaded vehicles. W. Bacheldor. 2,507,749, May 16.

Vibrating device for packing various materials. V. Weinberg. 2,519,208, Aug. 15.
Vibrating machine. C. Lee. 2,514,078, July 4.
Vibrating mechanism, Screen. R. Stroud. 2,528,620, Nov. 7.
Vibrating table. C. M. G. Calver. 2,512,304, June 20.
Vibration absorbing mounting for sewing machines. J. Galkin. 2,532,767, Dec. 5.
Vibration absorbing support. H. M. Dodge. 2,502,313, Mar. 28.
Vibration dampener. K. A. Beier. 2,512,735, June 27.
Vibration dampening drive system for aircraft. W. E. Hunt. 2,530,467, Nov. 21.
Vibration damping device. M. F. Jackson. 2,505,120, Apr. 25.
Vibration damping device. W. E. Leibing. 2,501,060, Mar. 21.
Vibration damping device. H. A. Otto. 2,529,883, Nov. 14.
Vibration damping device for laundry machines. W. J. Russell. 2,526,048, Oct. 17.
Vibration detector, Electrostatic. R. H. Dicke. 2,532,060, Nov. 28.
Vibration isolator. H. J. Dibblee. 2,510,963, June 13.
Vibration isolator pad. R. C. Lewis. 2,534,137, Dec. 12.
Vibration pickup, Torsional. L. Petersen. 2,532,781, Dec. 5.
Vibration producing means. E. F. Peterson. 2,528,319, Oct. 31.
Vibration-proof thermostatic switch. W. F. Fuchs. 2,493,190, Jan. 3.
Vibration test unit for tube couplings. E. C. Hartley. 2,517,204, Aug. 1.
Vibrato means for audioamplifiers. N. I. Daniel. 2,534,342, Dec. 19.
Vibrato system for electrical musical instruments. J. A. Oswald. 2,506,679, May 9.
Vibrator. U. S. James and U. S. James, Jr. 2,519,374, Aug. 22.
Vibrator. F. W. Side. 2,532,274, Nov. 28.
Vibrator. G. Walter. 2,505,446, Apr. 25.
Vibrator. J. L. Zadek. 2,512,536, June 20.
Vibrator. L. C. Zerkle. 2,523,547, Sept. 26.
Vibrator, Adjustable rotary. N. B. Cleveland. 2,505,753, May 2.
Vibrator and mixer, Combination. A. O. Braatz. 2,509,557, May 30.
Vibrator, Christmas tree. L. R. Smith. 2,522,906, Sept. 19.
Vibrator device. J. A. Mas. 2,506,727, May 9.
Vibrator device. P. C. Rebut. 2,526,414, Oct. 17.
Vibrator, Electromagnetic. D. S. Schreiber. 2,533,695, Dec. 12.
Vibrator-exciting action. B. F. Miessner. 2,533,830, Dec. 12.
Vibrator-exciting action. B. F. Miessner. 2,535,503, Dec. 26.
Vibrator for the fillings of tooth cavities. G. K. G. Gustafson. 2,531,680, Nov. 28.
Vibrator, Form. F. E. Chilcott. 2,501,158, Mar. 21.
Vibrator, Ink roller. C. S. Crafts, W. J. Nolan, and W. G. Zimmer. 2,506,778, May 9.
Vibrator, Machine. E. F. Peterson. 2,518,250, Aug. 8.
Vibrator-operated electric power converting apparatus. R. Pollock. 2,518,061, Aug. 8.
Vibrator, Pneumatic dual rotary. J. S. High. 2,496,291, Feb. 7.
Vibrator support. C. Huetten and S. J. Raiter. 2,513,940, July 4.
Vibrator, Therapeutic. J. H. Emerson. 2,512,621, June 27.
Vibrator type motor. J. M. Hush and D. E. Bench. 2,494,760, Jan. 17.
Vibrator, Variable force. R. S. Nevin, Sr., and C. M. Fields. 2,516,335, July 25.
Vibrator, Variable frequency. N. Ohman and H. J. Veritch. 2,521,401, Sept. 5.
Vibrator, Vehicle body. A. T. Hight. 2,523,212, Sept. 19.
Vibrator with automatic regulation. L. J. Weber. 2,513,608, July 4.
Vibrator with cradle. H. S. Clark. 2,515,077, July 11.
Vibratory assembly for galvanometers. G. R. Morrow. 2,519,591, Aug. 22.
Vibratory discharger. C. R. Rouse. 2,494,584, Jan. 17.
Vibratory rotary device. T. J. Schumacher. 2,512,288, June 20.
Vibratory system, Temperature-compensated. H. P. Kalmus. 2,516,393, July 25.
Vibratory therapeutic chair. W. L. Wettlaufer. 2,497,751, Feb. 14.
Vibratory voltage regulator. W. A. Charbonneaux. 2,523,941, Sept. 26.
Vicat control of mold extraction, Automatic. 2,509,692, May 30.
Video amplifier feeding constant black level output to cathode-ray tube. H. R. Shaw. 2,522,967, Sept. 19.
Video-frequency receiving apparatus. E. G. O. Anderson and G. G. Bernard. 2,533,081, Dec. 5.
Video gating circuit. E. Frank and R. F. Mozley. 2,535,912, Dec. 26.
Video signal generator. R. R. Gannaway. 2,516,972, Aug. 1.
View finder focusing and parallax adjustment mechanism. J. A. Maurer, Jr. 2,519,195, Aug. 15.
View finder for cameras. W. H. Bach. 2,506,764, May 9.
View finder for cameras, Reflex focus determining. L. J. E. A. Dodin. 2,526,204, Oct. 17.
View finder for portrait photography, Self. J. M. Paillais, alias Foufounis. 2,496,404, Feb. 7.
View finder for television cameras. B. J. Edwards and L. W. Germany. 2,525,290, Oct. 10.
View finder for television cameras. N. Q. Lawrence, L. W. Germany, and C. H. Babbs. 2,526,144, Oct. 17.
View finder, Kinematographic camera. A. Coutant and J. Mathot. 2,503,325, Apr. 11.
View finder, Multiple image. R. B. Houck. 2,529,944, Nov. 14.
View finder, Television. W. E. Beatty. 2,531,497, Nov. 28.
View finder, Parallax free multiple. J. Mihalyi. 2,525,558, Oct. 10.
Viewer. A. C. Parlini, E. Hascher, and H. Recker. 2,513,102, June 27.
Viewer and projector, Photographic slide. P. A. Sherwood. 2,529,052, Nov. 7.
Viewer and water sprayer. D. Mendelson. 2,513,506, July 4.
Viewer, Binocular. C. W. Knight. 2,503,342, Apr. 11.
Viewer, Chart. W. D. Horn and J. Lukacs. 2,499,646, Mar. 7.
Viewer for transparent pictures. C. A. Robertson. 2,520,432, Aug. 29.
Viewer, Gem. R. A. Thienemann. 2,533,747, Dec. 12.
Viewer having a telescoping casing, Film or plate. L. N. Afton and S. Kaufman. 2,495,047, Jan. 17.
Viewer, Motion-picture. F. T. Coffey, Sr. 2,516,678, July 25.
Viewer, Simulated panorama. C. S. Manning. 2,493,770, Jan. 10.
Viewer, Stereoscopic. W. B. Gruber. 2,511,334, June 13.
Viewer, Transparency. H. L. Luray. 2,513,576, July 4.
Viewing and recording apparatus, Combined television. G. T. Schmidling. 2,504,734, Apr. 18.
Viewing apparatus for microfilms and the like, Binocular. M. E. Bernard. 2,517,170, Aug. 1.
Viewing device, Stereoscopic. B. L. Taylor. 2,528,673, Nov. 7.
Viewing screen. R. R. Law. 2,510,344, June 6.
Vinyl air-drying wrinkle composition and applying same. W. A. Waldie. 2,494,597, Jan. 17.
Vinyl-alkoxy-carbocyclic compounds, Preparation of. W. E. Scott and M. W. Goldberg. 2,511,815, June 13.
Vinyl chloride compositions. J. Dazzi and C. H. Rector, Jr. 2,498,602, Feb. 21.
Vinyl chloride polymerization. W. J. Lightfoot. 2,511,593, June 13.
Vinyl chloride polymers, Plasticized. J. Dazzi. 2,520,084, Aug. 22.
Vinyl chloride polymers, Stabilized. H. A. Walter. 2,534,936, Dec. 19.
Vinyl chloride resin compositions. K. C. Eberly. 2,514,185, July 4.
Vinyl chloride resin plasticized with an aromatic hydrocarbon and stabilized by dypnone. P. F. Bruins and E. P. Rittershausen. 2,510,009, May 30.
Vinyl chloride resin plasticized with di- 2,5 endomethyleneΔ^3 tetrahydrobenzyl sebacate. J. Nichols and L. J. Rdi. 2,526,395, Oct. 17.
Vinyl compounds and their preparation. R. K. Abbott, Jr. 2,498,473, Feb. 21.
Vinyl compounds and thermoplastic resins, Direct production of aromatic. W. E. Kemp. 2,513,180, June 27.
Vinylcyclohexene hydrochlorides. H. L. Johnson and A. P. Stuart. 2,499,505, Mar. 7.
Vinyl diaryl ether polymers. L. A. Brooks, M. Markarian, and M. Nazzewski. 2,522,501, Sept. 19.
Vinyldibenzofuran polymers. E. A. Kern and R. K. Abbott, Jr. 2,498,474, Feb. 21.
Vinyldibenzofuran, Preparing. R. K. Abbott, Jr. 2,500,733, Mar. 14.
Vinylethylene carbonate and its preparation. W. W. Prichard. 2,511,942, June 20.
Vinyl halide resin compositions containing hydroxystearic acid esters as plasticizers and alkaline earth metal ricinoleates as stabilizers. M. K. Smith. 2,514,424, July 11.
Vinyl halide resins plasticized with a dioctyl tetrachlorophthalate. G. J. Bohrer. 2,496,852, Feb. 7.
Vinylidene chloride and vinyl chloride polymer compositions of improved heat stability. E. C. Britton and W. J. Le Fevre. 2,525,643, Oct. 10.
Vinylidene chloride-butadiene-methyl methacrylate interpolymers. G. W. Stanton and C. E. Lowry. 2,524,023, Sept. 26.
Vinylidene chloride copolymers, Plasticized. R. A. Scheiderbauer. 2,518,442, Aug. 15.
Vinylidene cyanide by pyrolysis of novel 4,4-disubstituted cyclohexenes, Preparation of. A. E. Ardis. 2,502,412, Apr. 4.
Vinyl polymers and producing the same. M. M. Brubaker and R. A. Jacobson. 2,531,196, Nov. 21.
Vinyl polymers plasticized with chlorinated hydrocarbons. E. W. M. Fawcett and E. S. Narracott. 2,513,632, July 4.
Vinyl resin compositions and molds produced therefrom. W. C. Lockwood. 2,525,177, Oct. 10.

Vinyl resin compositions, Plasticized. C. H. Alexander. 2,500,891, Mar. 14.
Vinyl resin dispersion. W. H. Bromley, Jr. 2,532,223, Nov. 28.
Vinyl resin emulsion. W. K. Wilson. 2,508,341–2, May 16.
Vinyl resin plasticized sheets, Preparing. G. P. Mack. 2,535,643, Dec. 26.
Vinyl resins plasticized with cyano esters. D. E. Floyd. 2,516,307, July 25.
Vinyl resins plasticized with poly-(carbalkoxyalkylenethio) compounds. J. E. Jansen and J. T. Gregory. 2,530,882, Nov. 21.
Vinyl silicon chlorides, Preparation of. C. O. Strother and G. H. Wagner. 2,532,430, Dec. 5.
Vinylthiazoles, Preparing. L. F. Salisbury. 2,532,573, Dec. 5.
Vinylthiophene polymerization process and products. E. C. Pitzer. 2,505,204, Apr. 25.
Vinyl trifluoroacetate, Producing. J. B. Dickey and T. E. Stanin. 2,525,530, Oct. 10.
Vinyl 2,3,4,5-tetrachlorobenzoate and polymers therefrom. W. E. Cass. 2,524,513, Oct. 3.
Vinyl xylenes, Production of. W. E. Elwell. 2,531,327, Nov. 21.
Violin pad. W. J. Hines. 2,524,526, Oct. 3.
Viscometer. P. G. Exline and J. R. Aikins. 2,503,660, Apr. 11.
Viscometer. N. Marusov. 2,503,676, Apr. 11.
Viscose having an opacifying agent, Producing. K. R. Gray. 2,516,113, July 25.
Viscose, Preparing. P. Pierrat and E. Colombu. 2,495,235, Jan. 24.
Viscose solutions, Production of. E. Kline. 2,513,652, July 4.
Viscose yarn, The treatment of. A. Politzer. 2,501,090, Mar. 21.
Viscous fluid shutter retard mechanism. D. A. Young, Jr 2,507,182, May 9.
Viscous oils by the thermal condensation of short chain monoolefins with long chain monoolefins, Preparing. F. M. Seger and A. N. Sachanen. 2,500,162, Mar. 14.
Viscous solutions, Processing. H. G. Reed and J. K. Beasley. 2,494,143, Jan. 10.
Vise. L. J. Seese. 2,534,995, Dec. 19.
Vise and jig. L. M. Larson. 2,521,231, Sept. 5.
Vise and jig, Combination. L. M. Larson. 2,521,230, Sept. 5.
Vise, Fishing leader. L. D. Roberts. 2,502,751, Apr. 4.
Vise for holding circular objects. F. J. Serra. 2,500,711, Mar. 14.
Vise for holding disks or the like. E. F. Aber. 2,514,615, July 11.
Vise for saw filers, Bench. H. C. Hancock. 2,504,410, Apr. 18.
Vise for tying leader ends. H. L. Welch. 2,495,083, Jan. 17.
Vise, Hand-twirled fly-tying. D. S. Martinez. 2,530,713, Nov. 21.
Vise handle having plural cams to sequentially effect quick-positioning and work-clamping movements of slidable jaw. A. N. Johansson. 2,524,317, Oct. 3.
Vise having a nut-operated jaw pivotally mountable in a selected fulcrum aperture, Portable. T. R. Evans. 2,505,105, Apr. 25.
Vise having adjustable facepieces. H. Fahlander. 2,502,784, Apr. 4.
Vise having adjustable strap for clamping soft tubular conduits R. L. Smythe, R. R. Mahler, and H. B. Behlmer. 2,521,189, Sept. 5.
Vise having jaw recesses for mounting auxiliary jaw elements. G. Suter. 2,515,533, July 18.
Vise having rockable lever for sequentially positioning and advancing slidable jaw, Quick-acting. B. H. Parker. 2,530,130, Nov. 14.
Vise having slidable jaw actuated by driven wedge. G. Lapointe. 2,503,160, Apr. 4.
Vise, Hog. F. Kribs. 2,523,700, Sept. 26.
Vise, Jar. C. L. Shobe. 2,498,185, Feb. 21.
Vise jaw quickly adjustable along rack guideway, Screw-actuated. A. S. Graether. 2,511,843, June 20.
Vise-jaw unit removably supported by bed of fixed jaw, Adjustable. H. Fuhr. 2,526,020, Oct. 17.
Vise, Sewing-machine repair. M. Ingwer. 2,497,943, Feb. 21.
Vise, Straight beam adjustable jaw type. R. Wagner. 2,507,288, May 9.
Vise using hydraulic lock and screw-actuated ram for clamping and having a fluid by-pass for quick separation of jaws, Fluid-pressure-operated. K. P. Schenke. 2,509,991, May 30.
Vise, Wedge. G. E. Paulson. 2,514,292, July 4.
Vise with improved actuator and adjustment means, Air-operated. E. H. Shaff. 2,530,085, Nov. 14.
Visibility meter. E. O. Hulburt. 2,504,981, Apr. 25.
Visible index signal lock. F. L. Wassell. 2,502,190, Mar. 28.
Visible index tray stand. F. S. Schade. 2,508,802, May 23.
Visible precision bearing testing tool. S. O. Stanfield. 2,502,601, Apr. 4.
Visible record tray carrier. J. H. Brinker. 2,519,632, Aug. 22.
Vision test, Self-administering color. W. F. Grether. 2,528,513, Nov. 7.
Visual alignment signal generator. B. R. Shepard. 2,522,239, Sept. 12.
Visual homing indicator. W. S. Cates and C. W. Hammond. 2,500,151, Mar. 14.
Visual inspection by comparison with a series of three-dimensional pictures. A. E. Dennis. 2,495,703, Jan. 31.
Visual representation of complex waves. R. K. Potter. 2,500,431, Mar. 14.
Visual representation of complex waves. R. R. Riesz. 2,500,646, Mar. 14.
Visual voltage indicator. R. B. Dome. 2,528,214, Oct. 31.
Visualization of complex waxes. R. K. Potter. 2,532,731, Dec. 5.
Visor, Adjustable sun. R. H. Apelt. 2,501,371, Mar. 21.
Visor attachment, Automobile sun. G. B. Nodle. 2,517,337, Aug. 1.
Visor, Automobile sun. J. Thibault. 2,497,050, Feb. 7.
Visor, Automobile windshield sun. W. A. Bracken. 2,507,397, May 9.
Visor, Dual-purpose sun. R. T. Hamel. 2,517,872, Aug. 8.
Visor extension, Adjustable auto. W. H. Sauer. 2,498,966, Feb. 28.
Visor, Exterior-type sun. C. B. Flavin. 2,534,763, Dec. 19.
Visor for automobiles, Sun. A. Greenfield. 2,500,406, Mar. 14.
Visor for motor vehicles, All-weather protecting. E. F. Scraper. 2,495,662, Jan. 24.
Visor for motor vehicles, Variable color density antiglare. G. W. Crise. 2,528,038, Oct. 31.
Visor mounting device. A. D. Brundage. 2,535,894, Dec. 26.
Visor mounting device. C. S. Jacobs. 2,535,929, Dec. 26.
Visor, principally for one-piece windshields. R. E. Dieterich. 2,527,247, Oct. 24.
Visor, Retractable windshield. C. S. Nichols. 2,528,903, Nov. 7.
Visor, Rubber sun. R. F. Simpson and E. H. Schoner 2,506,689, May 9.
Visor, Sun. A. F. Moore. 2,496,129, Jan. 31.
Visor, Vehicle windshield. H. C. Riemann and H. G. Bolmes. 2,506,108, May 2.
Visor, Windshield. F. E. Ellithorpe. 2,511,401, June 13.
Vitamin E enriched oil, Preparing. W. D. McFarlane. 2,497,317, Feb. 14.
Vitamin-enriched product and producing same. J. W. Jordan. 2,531,439, Nov. 28.
Vitreous compositions and making the same. F. H. Kaufmann. 2,527,884, Oct. 31.
Voice and facsimile system, Combined. E. F. Watson. 2,506,437, May 2.
Volt-ampere responsive device. A. J. Petzinger and B. E. Lenehan. 2,513,891, July 4.
Voltmeter, Aperiodic high-frequency. H. J. Lindenhovius. 2,525,039, Oct. 10.
Voltmeter, Crest. C. W. Rainey. 2,497,272, Feb. 14.
Voltmeter, Expanded scale electronic. H. H. Chamberlain. 2,526,329, Oct. 17.
Voltmeter, Inverted tetrode vacuum tube. R. J. Schneeberger. 2,534,928, Dec. 19.
Voltmeter, Line-operated vacuum tube. E. M. Buras, Jr., and J. D. Reid. 2,513,281, July 4.
Voltmeter, Load reading. R. L. Wright. 2,530,188, Nov. 14.
Voltmeter, Negative feed-back vacuum tube. R. G. Wilson. 2,501,704, Mar. 28.
Voltmeter, Peak reading. M. J. Burger, R. W. Collins, and A. S. Cosler, Jr. 2,493,336, Jan. 3.
Voltmeter, Power. C. K. Wilkinson and R. C. Morehouse. 2,525,845, Oct. 17.
Voltmeter, Recording. T. A. Rich. 2,499,198, Feb. 28.
Voltmeter, Vacuum tube. H. Lamport and M. G. Schorr. 2,516,520, July 25.
Voltmeter with balanced input shunt diode, Vacuum tube. J. C. Frommer. 2,501,769, Mar. 28.
Volt requiring mechanism for voting machines, Recall. R. F. Shoup. 2,519,155, Aug. 15.
Voltage control and stabilizing circuits. G. Herzog. 2,493,535–6, Jan. 3.
Voltage control circuits. P. W. Redcay. 2,524,834, Oct. 10.
Voltage control system. C. K. Hooper. 2,534,909, Dec. 19.
Voltage correction for film movement in flying spot scansion, Vertical sweep. F. J. Somers. 2,523,156, Sept. 19.
Voltage cutout for low-voltage systems, Excess. K. V. Jørgensen. 2,535,423, Dec. 26.
Voltage device, Sine and cosine function. G. A. Crowther. 2,507,890, May 16.
Voltage divider circuit. B. M. Oliver. 2,535,811, Dec. 26.
Voltage drive, Variable. W. I. Bendz. 2,504,105, Apr. 18.
Voltage indicating device. H. D. Hall. 2,498,490, Feb. 21.
Voltage generator. C. A. Bergfors. 2,514,023, July 4.
Voltage limiting circuit. D. J. Mynall. 2,509,742, May 30.
Voltage limiting means. C. H. Smoot. 2,529,055, Nov. 7.
Voltage phase control circuit. J. D. Malmqvist, G. V. A. Gustafsson, and S. S. T. Werner. 2,532,368, Dec. 5.
Voltage phase displacement and amplitude indicating system. E. T. Howes. 2,527,096, Oct. 24.
Voltage pulse generator. A. R. Simpson. 2,531,830, Nov. 28.

Voltage rectifying circuit. A. W. Friend. 2,499,484, Mar. 7.
Voltage regulating apparatus. W. Niemi. 2,520,689, Aug. 29.
Voltage regulating system. R. G. Le Tourneau. 2,531,062, Nov. 21.
Voltage regulation. R. W. Prince, Jr. 2,534,559, Dec. 19.
Voltage regulation. D. E. Trucksess. 2,493,094, Jan. 3.
Voltage regulation and supply. D. K. Froman. 2,535,355, Dec. 26.
Voltage regulator. H. Friedman. 2,523,287, Sept. 26.
Voltage regulator. O. Lindfors. 2,502,098, Mar. 28.
Voltage regulator. R. J. Pogorzelski. 2,511,219, June 13.
Voltage regulator. L. E. Stilphen. 2,514,908, July 11.
Voltage regulator circuit. R. M. Tryon. 2,504,908, Apr. 18.
Voltage regulator circuit. N. H. Young, Jr., M. Silver, and H. A. French. 2,528,569, Nov. 7.
Voltage responsive system utilizing capacitor controlled thyratrons, Delayed. R. M. Serota. 2,516,348, July 25.
Voltage splitting circuit. J. W. Picking and W. J. Brown. 2,534,207, Dec. 12.
Voltage stabilizing tube. F. A. van Beckum. 2,534,389, Dec. 19.
Voltage supply apparatus. J. E. Corbin and R. C. Newhouse. 2,532,697, Dec. 5.
Voltage supply system. G. Herzog. 2,499,312, Feb. 28.
Voltage thermoelectric generating apparatus, Constant. F. L. Maltby. 2,528,377, Oct. 31.
Voltage variation indicator. H. A. Moore. 2,525,705, Oct. 10.
Volume control. D. R. de Boisblanc. 2,506,491, May 2.
Volume control arrangement. E. M. Lurie. 2,525,696, Oct. 10.
Volume control arrangement, Automatic. L. W. Couillard. 2,530,000, Nov. 14.
Volume control, Automatic. W. N. Dean. 2,519,359, Aug. 22.
Volume control, Automatic. W. F. Kannenberg. 2,503,391, Apr. 11.
Volume control, Automatic. R. F. Smeltzer. 2,535,325, Dec. 26.
Volume control device M. J. Larsen. 2,511,923, June 20.
Volume control for amplifiers. T. A. Benner. 2,512,994, June 27.
Volume control for keyboard operated musical instruments, Automatic. E. W. Swedien. 2,497,331, Feb. 14.
Volume control for sound reproduction systems. P. K. Buys and P. F. van Eldik. 2,517,629, Aug. 8.
Volume control for telephone ringers. W. E. Whidden. 2,532,133, Nov. 28.
Volume control, Magnetic. J. L. Rennick. 2,516,255, July 25.
Volume control, Noise operated automatic. L. H. Good. 2,501,327, Mar. 21.
Volume control system, Automatic. L. A. de Rosa. 2,498,659, Feb. 28.
Vortex-type gas burner. R. D. Shapter. 2,514,806, July 11.
Voting and program recording, Radio. F. H. Owens. 2,514,086, July 4.
Voting machine. R. F. Shoup. 2,499,978, Mar. 7.
Voting machine. R. F. Shoup. 2,520,740, Aug. 29.
Voting machine counter reader. A. Jacot. 2,506,154, May 2.
Voting machine with mechanism for group voting. R. F. Shoup. 2,496,106, Jan. 31.
Vulcanization of elastroprenes using as an accelerator an amine salt of 2,6-dimercaptobenzo (1,2,4,5) bisthiazole. M. L. Dolt and R. E. Sayre. 2,518,670, Aug. 15.
Vulcanization of isobutylene rubber. B. M. Sturgis and J. H. Trepagnier. 2,518,576, Aug. 15.
Vulcanization of rubber. A. F. Hardman. 2,515,119, July 11.
Vulcanization of rubber. S. T. Semegen. 2,530,789, Nov. 21.
Vulcanization of rubbers by means of 2,5-di-substituted tetrahydro-1,2,5-thiadiazines. J. A. Shotton and R. A. Donia. 2,514,200, July 4.
Vulcanization process. G. E. P. Smith, Jr. 2,514,181, July 4.
Vulcanizer and method. R. D. Van Tassell. 2,510,354, June 6.
Vulcanizer, Repair. J. H. Moore. 2,516,715, July 25.
Vulcanizing apparatus. E. C. Woods. 2,534,845, Dec. 19.
Vulcanizing apparatus, Hose. H. A. Freeman. 2,525,662, Oct. 10.
Vulcanizing apparatus, Tire repair. P. O. Pfeiffer. 2,501,577, Mar. 21.
Vulcanizing hollow rubber articles, Method and apparatus for. F. T. Roberts. 2,509,882, May 30.
Vulcanizing machine. P. L. Meath. 2,506,375, May 2.
Vulcanizing method and apparatus. J. M. Bierer. 2,529,830, Nov. 14.
Vulcanizing mold press. M. W. Van Scoyk. 2,529,522, Nov. 14.
Vulcanizing press. A. B. Lewis. 2,525,609, Oct. 10.
Vulcanizing spot press. M. W. Van Scoyk. 2,530,411, Nov. 21.
Vulcanizing tool. M. Cahn. 2,510,772, June 6.
Vulcanizing unit. M. H. Rowe. 2,503,511, Apr. 11.
Vulcanizing unit. G. R. Wald. 2,495,556, Jan. 24.
Vulcanizing with quinone oximes. F. L. Holbrook and I. E. Cutting. 2,524,977, Oct. 10.
Vulnerability valve. H. W. Wishart. 2,493,906, Jan. 10.
Waffle iron. E. A. Farr and J. P. Theisen. 2,496,705, Feb. 7.
Waffle iron. H. H. Miller. 2,495,638, Jan. 24.
Wagon axle and reach connection construction. R. W. Phelps. 2,532,675, Dec. 5.
Wagon body, Metal. W. D. Johnson. 2,502,093, Mar. 28.
Wagon, Coaster. W. M. Bakula. 2,499,085, Feb. 28.
Wagon, Combination farm. J. Bellinghausen. 2,495,678, Jan. 31.
Wagon, Combination laundry and service. J. J. Gross. 2,518,309, Aug. 8.
Wagon, Dump. W. E. Dick. 2,524,122, Oct. 3.
Wagon elevator throw-out mechanism. E. K. Karlsson. 2,533,814, Dec. 12.
Wagon, Grain. J. Lockenvitz. 2,499,925, Mar. 7.
Wagon, Handcar-coaster. J. J. Panik. 2,495,128, Jan. 17.
Wagon, Self-unloading. R. C. Gaddis. 2,496,463, Feb. 7.
Waistband, Automatic adjustable. R. R. Fanning. 2,526,813, Oct. 24.
Waistband for garments. S. E. Axler. 2,525,060, Oct. 10.
Waistband, Garment. R. H. Alschuler and N. Reinhardtsen. 2,500,651, Mar. 14.
Waistband of trousers, shorts, skirts, and the like. S. Klein. 2,530,618, Nov. 21.
Walker. E. E. Doerschler. 2,526,205, Oct. 17.
Walker, Invalid. F. Additon. 2,519,096, Aug. 15.
Walking horse. J. V. Card. 2,511,968, June 20.
Wall and floor, Ventilated. M. Miller. 2,535,691, Dec. 26.
Wall and lining structure for handbags having flat sidewalls of flexible material, Reinforced. I. Rubin. 2,509,370, May 30.
Wall and wall panel. C. R. B. Harding. 2,530,465, Nov. 21.
Wall attached ironing board. A. P. Lantz. 2,514,703, July 11.
Wall, Brick building. J. E. Abbott. 2,506,563, May 9.
Wall-building machine. J. H. and D. H. Magdiel. 2,513,882, July 4.
Wall cabinet hanger bar. J. Stanitz. 2,521,134, Sept. 5.
Wall construction. J. Dahlin. 2,530,940, Nov. 21.
Wall construction, Building. W. P. Bithell. 2,508,093, May 16.
Wall construction for handbags, End and bottom. I. B. and W. Pottel. 2,517,923, Aug. 8.
Wall for model building structures. V. Civkin. 2,528,211, Oct. 31.
Wall form, Concrete. C. D. Keith. 2,503,494, Apr. 11.
Wall form construction. H. C. Hill. 2,511,584, June 13.
Wall form, Prefabricated. A. Arrighini and G. A. Van Sickle. 2,526,529, Oct. 17.
Wall guide. E. D. Arnold. 2,534,940, Dec. 19.
Wall mounted collapsible seat. P. O'Neil. 2,510,900, June 6.
Wallpaper cutter. A. Bianchi. 2,515,979, July 18.
Wallpaper removing device. D. A. Hoch. 2,496,794, Feb. 7.
Wallpaper supporting bracket. S. E. George. 2,505,109, Apr. 25.
Wallpapering machine. J. E. Bodell. 2,521,333, Sept. 5.
Wall picture hanger. A. Foltis. 2,495,712, Jan. 31.
Wall receptacle. G. P. Wiedman. 2,532,134, Nov. 28.
Wall, Retaining. D. H. Hayden. 2,525,547, Oct. 10.
Wall structure embodying panel units. A. W. Madger. 2,505,902, May 2.
Wall structure for combustion chambers using liquid combustion elements. Feeding and cooling. R. H. Goddard. 2,523,654, Sept. 26.
Wall structure, Heat, cold, and fume resisting. J. B. Dube. 2,514,696, July 11.
Wall structure, Paneled. A. W. Madger. 2,505,903, May 2.
Wall structure, Reinforced. J. B. Piatt. 2,523,920, Sept. 26.
Wall supported container lid clamp. F. J. Niblett. 2,499,032, Feb. 28.
Wall supported jar cap wrench. M. S. Kormuth. 2,515,655, July 18.
Wall surfacing. J. T. Miller. 2,511,074, June 13.
Wall treatment with replaceable facing, Acoustic. W. M. Rees. 2,497,912, Feb. 21.
Wall vent. G. F. Taylor. 2,530,919, Nov. 21.
Wallet or letter case, Pocket. L. G. Stanley. 2,520,176, Aug. 29.
Wallet with auxiliary foldable pockets. S. Knee. 2,493,409, Jan. 3.
Wallet with change purse. L. G. Mueller. 2,516,716, July 25.
War memorial frame. J. N. Scism. 2,506,688, May 9.
Wardrobe, Collapsible. I. Blechman. 2,522,561, Sept. 19.
Wardrobe, Combination automobile and home. H. M. Klee. 2,502,963, Apr. 4.
Wardrobe hanger. J. F. Kay. 2,529,296, Nov. 7.
Wardrobe having flexible walls and shelves, Collapsible and portable. A. P. Kitson. 2,533,333, Dec. 12.
Wardrobe, Portable. R. B. Marsand. 2,498,373, Feb. 21.
Ware removing and fettling mechanism for pottery fabricating machines. J. A. Bower. 2,510,678, June 6.
Warm air limit control switch. E. G. White. 2,532,383, Dec. 5.
Warmer and sterilizer for bottles and the like, Combined. R. C. Schulte. 2,501,193, Mar. 21.
Warmer, Bottle. W. L. Aiken. 2,526,447, Oct. 17.
Warmer, Foot. V. J. Morris. 2,513,733, July 4.

Warmer for nursing bottles. E. B. McCollum. 2,516,637, July 25.
Warmer, Wax. J. Tole. 2,499,337, Feb. 28.
Warming rack. B. E. Braucht. 2,493,222, Jan. 3.
Warning apparatus for motor vehicle operators. W. H. Scott. 2,533,518, Dec. 12.
Warning device for airplanes, Stall. G. L. Fleming. 2,497,494, Feb. 14.
Warning device. C. D. Scanlon. 2,529,576, Nov. 14.
Warning device for vehicles. F. W. Mirandi. 2,512,167, June 20.
Warning device, Speed. J. L. McKnight. 2,493,985, Jan. 10.
Warning system for balance indicators. H. T. Winchel and C. A. Addis. 2,522,914, Sept. 19.
Warp beam. W. Attenborough. 2,496,844, Feb. 7.
Warp beam for looms. A. Palmer and O. V. Payne. 2,496,228, Jan. 31.
Warp-knitting machine and operating the same. C. A. Hepp. 2,521,218, Sept. 5.
Warp slackening device. W. C. Angus and J. R. Wylde. 2,515,389, July 18.
Warp tying machine for operating upon leased warps. C. B. Crandall. 2,496,038, Jan. 31.
Warp-winding from cakes. J. S. Chaya and W. L. Spann. 2,534,339–40, Dec. 19.
Warping apparatus. R. P. Drake. 2,520,135, Aug. 29.
Warping, Method of. H. Fiderer. 2,522,816, Sept. 19.
Wash basin and toilet bowl assembly. R. Snowball. 2,495,201, Jan. 17.
Washbasin provided with article intercepting plate, Folding. H. A. Bunker. 2,513,624, July 4.
Washboard. P. Flores. 2,504,819, Apr. 18.
Washcloth, dishcloth, scouring cloth, and the like, and making the same. H. H. Jones. 2,526,076, Oct. 17.
Washfountain. H. G. Mullett and E. D. Wachter, Jr. 2,498,699, Feb. 28.
Wash fountain spray head. H. G. Mullett and E. D. Wachter, Jr. 2,525,932, Oct. 17.
Wash line holder. A. N. Purcell. 2,494,962, Jan. 17.
Washover, cutter, and fish removing tool. W. H. Dumble. 2,501,319, Mar. 21.
Washstand. T. C. Martin. 2,520,946, Sept. 5.
Washtray, Head. R. A. McClure. 2,521,389, Sept. 5.
Washer: *See*—
Air washer.
Can washer.
Clothesline washer.
Egg washer.
Flatwork washer.
Lock washer.
Manually operated portable washer.
Perforation washer.
Photographic print washer.
Rotary photoprint washer.
Thrust washer.
Triple-action blast furnace gas washer.
Two-way washer.
Variable volume washer.
Vegetable washer.
Vehicle washer.
Window washer.
Washer and drier utilizing compression waves, Textile. F. Spanier. 2,495,295, Jan. 24.
Washer and extractor, Combination clothes. G. T. Hemmeter. 2,498,420, Feb. 21.
Washer and extractor, Combined clothes. A. H. Gerhardt. 2,494,436, Jan. 10.
Washer for gases. P. E. McKamy. 2,523,441, Sept. 26.
Washer mechanism, Drainboard. J. F. Young and C. S. Dayton. 2,511,681, June 13.
Washing and cleaning engine cylinders. A. F. Cassin. 2,504,301, Apr. 18.
Washing and drying machine with fluid impeller. L. P. Bozanich. 2,498,734, Feb. 28.
Washing apparatus, Automatic. E. C. Weiskopf. 2,524,581, Oct. 3.
Washing apparatus, Automatic textile. G. G. Gaubatz. 2,529,334, Nov. 7.
Washing apparatus, Dish. C. J. Manville. 2,508,958, May 23.
Washing apparatus for hollow ware. C. E. Linnit and B. W. Downs. 2,499,274, Feb. 28.
Washing composition. F. C. Bersworth. 2,524,218, Oct. 3.
Washing containers. H. D. Lathrop and V. Schwarzkopf. 2,509,003 May 23.
Washing device. J. D. Berry. 2,496,033, Jan. 31.
Washing device, Borehole. A. D. Garrison. 2,503,719, Apr. 11.
Washing device, Fountain. W. B. Cravis. 2,526,119, Oct. 17.
Washing device, Photoprint. G. M. Richard. 2,522,300, Sept. 12.
Washing device, Window. A. C. Ruggiero. 2,499,880, Mar. 7.
Washing glass articles in alkaline solutions. L. R. Bacon and W. F. Wegst. 2,514,304, July 4.
Washing ingredient dispensing mechanism for washing apparatus. W. F. Gayring and J. Neuroth. 2,534,014, Dec. 12
Washing machine. F. A. Conterman. 2,512,847, June 27.
Washing machine. C. F. Emmert and W. H. Stouder. 2,534,194, Dec. 12.
Washing machine. P. E. Geldhof and L. Ringer. 2,526,344. Oct. 17.
Washing machine. J. E. Hovermale. 2,508,948, May 23.
Washing machine. W. O. Manley. 2,519,060, Aug. 15.
Washing machine. J. Pearce. 2,500,467, Mar. 14.
Washing machine. W. H. Powers. 2,526,969, Oct. 24.
Washing machine. H. J. Rand. 2,499,162, Feb. 28.
Washing machine. I. D. Tice. 2,523,165, Sept. 19.
Washing machine and agitator therefor, Clothes. F. H. McCormick and K. Clark. 2,498,894, Feb. 28.
Washing machine, Automatic. C. F. Abresch. 2,512,408, June 20.
Washing machine, Automatic sequential operation type clothes. K. O. Sisson. 2,520,695, Aug. 29.
Washing machine control, Automatic. J. F. Young. 2,526,445, Oct. 17.
Washing machine, Conveyer type. G. W. Johnson. 2,523,304–5, Sept. 26.
Washing machine, Disappearing wringer. G. M. Gibson. 2,493,916, Jan. 10.
Washing machine, Egg. G. W. Johnson. 2,502,728, Apr. 4.
Washing machine, Fluid powered. A. F. McFarland. 2,534,674, Dec. 19.
Washing machine for bearings. W. B. Heaney. 2,519,654, Aug. 22.
Washing machine for squeezing fabrics during the washing, rinsing, and drying cycles. A. H. Haberstump. 2,521,578, Sept. 5.
Washing machine, Garment. C. Wolfe. 2,509,383, May 30.
Washing machine having a rotary conveyer and automatic feed and discharge means. N. Ransohoff. 2,523,058, Sept. 19.
Washing machine having elliptical, inflated, squeezing, and scrubbing rollers. S. I. Fekete. 2,514,320, July 4.
Washing machine having means for heating incoming water. J. J. Grebe. 2,514,050, July 4.
Washing machine having rotary basket and impeller. J. J. Palotsee. Re. 23,264, Aug. 29.
Washing machine having square tub and opposed impellers. T. R. Smith. 2,516,656, July 25.
Washing machine, Pan. T. M. Lowe. 2,516,223, July 25.
Washing machine, Rockable tank textile. W. O. Manley. 2,502,053, Mar. 28.
Washing machine, Temperature controlled electrically heated. J. E. Landfried. 2,533,122, Dec. 5.
Washing machine, Vegetable. A. Lillevick. 2,510,826, June 6.
Washing machine with centrifugal extractor and stabilizer therefor. G. P. Castner and A. D. Lund. 2,513,844, July 4.
Washing machine with chambered reciprocating washer unit receiving clothes through restricted passageway, Clothes. A. D. Lund. 2,500,368, Mar. 14.
Washing machine with gas supply means. M. R. Cole. 2,535,901, Dec. 26.
Washing of cans and the like. V. Schwarzkopf and W. H. Paulson. 2,526,286, Oct. 17.
Washing paper pulp to remove coloring matter. C. E. Libby. 2,502,330, Mar. 28.
Washing, rinsing, and drying machine, Automatic. P. E. Geldhof and L. Ringer. 2,521,159, Sept. 5.
Waste disposal unit. A. M. Snider. 2,533,524, Dec. 12.
Watch. W. A. Büchler. 2,512,087, June 20.
Watch attachment, Safety. J. Evans. 2,512,201, June 20.
Watch attachment, Wrist. W. Greene. 2,509,428, May 30.
Watchcase and band therefor, Combined. R. A. Barré. 2,512,992, June 27.
Watchcase, Watertight. O. Schmitz. 2,495,552, Jan. 24.
Watchcase, Watertight. H. Steimann. 2,514,906, July 11.
Watch crown, Dust-tight. R. Feurer. 2,497,935, Feb. 21.
Watch, Geographical multiple dial. B. and B. L. Maizlish. 2,535,543, Dec. 26.
Watch holder. A. O. Fenyvessy. 2,511,105, June 13.
Watch mainspring. O. E. Harder and D. A. Roberts. 2,524,660, Oct. 3.
Watch mounting. D. S. Bauman. 2,527,090, Oct. 24.
Watch, Star. H. B. Milligan. 2,532,324, Dec. 5.
Watch winding and hand-setting means. G. F. Pagnard. 2,524,470, Oct. 3.
Water actuated motor. N. W. Blevins. 2,499,715, Mar. 7.
Water and fire tube boiler. M. E. Miller. 2,522,392, Sept. 12.
Water and fuel heater. R. G. Bolin. 2,528,998, Nov. 7.
Water closet construction. I. H. Russell. 2,529,633, Nov. 14.
Water closet construction. I. H. Russell and J. A. Sloan. 2,529,632, Nov. 14.
Water closet, Shielded. S. Duner. 2,532,763, Dec. 5.
Water closet tank cover. H. Bachli and H. S. Shapiro. 2,506,480, May 2.
Water control device for planting machines. J. C. Renault. 2,518,570, Aug. 15.
Water-cooled furnace. G. A. Rehm. 2,526,416, Oct. 17.
Water-cooled furnace door. J. W. Corriston. 2,513,626, July 4.
Water cooler. J. D. Fruen. 2,509,294, May 30.
Water cooler. H. K. Johnson. 2,500,684, Mar. 14.
Water cooler. S. O. Morrison. 2,512,961, June 27.
Water cooler protective system. J. G. Jackson. 2,527,308, Oct. 24.
Water-cooling device. M. A. Stickelber. 2,507,387, May 9
Water-cooling system. H. N. Wade. 2,517,812, Aug. 8.
Water correction assembly, Self-energizing electrolytic. E. M. Butler. 2,524,511, Oct. 3.
Watercraft. J. H. Curry. 2,534,812, Dec. 19.
Watercraft. J. Gruszecki. 2,503,480, Apr. 11.
Watercraft with pivoted flappers. O. A. Hollar. 2,520,804, Aug. 29.

Water displacer starter for outlet siphons. W. J. McGinnis. 2,526,382, Oct. 17.
Water distributing device for mixers. G. Jaeger. 2,533,191, Dec. 5.
Water distribution over cooling coils. S. D. Lawson. 2,507,604, May 16.
Water distribution system, Cooling tower. J. G. De Flon. 2,517,639, Aug. 8.
Water drive. F. W. Albaugh. 2,533,546, Dec. 12.
Water fountain for poultry. M. C. Townsend. 2,530,922, Nov. 21.
Water gas and like synthesis gases, Production of. M. Steinschlaeger. 2,520,860, Aug. 29.
Water gas, Manufacture of. M. Steinschlaeger. 2,525,318, Oct. 10.
Water gas, The production of. E. S. Roberts, J. B. Rinckhoff, and F. C. Cunningham. 2,502,670, Apr. 4.
Water heater. H. M. Biebel. 2,510,456, June 6.
Water heater. K. R. Cline. 2,499,631, Mar. 7.
Water heater. B. D. Figg and J. W. Miller. 2,526,015, Oct. 17.
Water heater. H. X. Kinzelmann. 2,521,462, Sept. 5.
Water heater. J. H. Leslie, II. 2,508,277, May 16.
Water heater. W. A. Marshall, Jr. 2,531,459, Nov. 28.
Water heater. C. M. Osterheld. 2,533,615, Dec. 12.
Water heater. J. J. Piper. 2,505,203, Apr. 25.
Water heater. T. W. Thomas. 2,504,092, Apr. 11.
Water heater. A. H. Weinman. 2,493,175, Jan. 3.
Water-heating apparatus. C. W. St. Clair. 2,501,012, Mar. 21.
Water injection derichment device. S. S. Fox. 2,521,002, Sept. 5.
Water injection system for Diesel engines. D. R. and P. Bennett and R. C. Young. 2,518,858, Aug. 15.
Water inlet and vacuum release for collapsible bag type washers and extractors. W. F. Oliver. 2,535,226, Dec. 26.
Water inlet system for washing machines. W. F. Oliver and A. L. Jensen. 2,498,179, Feb. 21.
Water key for trombones and the like. F. N. Meyers. 2,533,388, Dec. 12.
Water-level control. S. W. E. Andersson. 2,495,086, Jan. 17.
Water-level indicator. C. W. Berger. 2,520,993, Sept. 5.
Water level indicator. J. R. Gomersall. 2,533,578, Dec. 12.
Water meter. N. H. Abrams. 2,493,098, Jan. 3.
Water mixing valve. W. C. Renne. 2,518,182, Aug. 8.
Waterproof flexible folding container. K. R. Karlson. 2,514,073, July 4.
Waterproof stocking and shoe protector. W. E. Baker. 2,497,528, Feb. 14.
Waterproofing cellulose textiles. C. Bener. 2,512,195, June 20.
Waterproofing leather. C. G. Shaw. 2,512,389, June 20.
Waterproofing mineral wool. J. H. Zettel. 2,493,845, Jan. 10.
Waterproofing textile fabrics. M. J. Scott and S. H. Rider. 2,509,174, May 23.
Water purge to waste heat exchangers. L. G. Molique. 2,517,504, Aug. 1.
Water purification. F. J. Maier. 2,531,451, Nov. 28.
Water purification apparatus. M. G. Prieto. 2,504,349, Apr. 18.
Water-repellent compositions, Preparing. J. Pikl. 2,505,649, Apr. 25.
Water-resistant compound lens transparent to infrared. A. H. Pfund. 2,512,257, June 20.
Water softener. E. J. De Ville. 2,504,816, Apr. 18.
Water softener, Cold process. R. F. Hoffman and G. P. Clement. 2,526,478, Oct. 17.
Water-soluble melamine-formaldehyde resins and products thereof, Preparing. H. J. West and W. T. Watt. 2,529,856, Nov. 14.
Water-soluble salt of 2-4 dichlorophenoxy acetic acid and producing same. F. C. Bersworth. 2,522,488, Sept. 19.
Water supply and water discharge means, Steam iron reservoir. F. E. Finlayson. 2,499,185, Feb. 28.
Water supplying and distributing means for locomotive tenders. C. F. Kantola. 2,534,452, Dec. 19.
Watertight container. L. A. Davis. 2,522,480, Sept. 12.
Water treating apparatus. J. F. Sebald. 2,502,349, Mar. 28.
Water treating method. W. Seifriz and E. J. McCue. 2,511,299, June 13.
Water treating method and apparatus. J. F. Sebald. 2,500,774, Mar. 14.
Water-treating process and apparatus. J. P. Lawlor. 2,495,937, Jan. 31.
Water tube boiler. N. Cooper. 2,501,161, Mar. 21.
Water-tube boiler. F. L. Kallam. 2,529,611, Nov. 14.
Water tube coil steam generating apparatus. P. Arant. 2,507,293, May 9.
Waterworks device. V. C. Cerasi. 2,530,808, Nov. 21.
Waterer, Stock. J. M. Hupp. 2,514,065, July 4.
Watering apparatus, Livestock. L. L. Wartes. 2,512,510, June 20.
Watering device. J. C. Oldfield. 2,529,627, Nov. 14.
Watering device. V. H. Pruitt. 2,512,839, June 27.
Watering device, Hog. T. P. Peterson. 2,534,475, Dec. 19.
Watering device, Locomotive tender. J. E. O'Brien. 2,503,631, Apr. 11.
Watering device, Poultry. L. M. Henning. 2,494,809, Jan. 17.
Watering system. Y. Latieule and H. Bricout. 2,515,047, July 11.
Watering unit, Poultry. H. J. Shea. 2,521,259, Sept. 5.
Watermelon confections, Producing frozen. H. A. Priddy. 2,521,995, Sept. 12.
Watt hour meter. B. E. Lenehan. 2,512,346, June 20.
Wattmeter. E. Mittelmann. 2,523,476, Sept. 26.
Wattmeter, High-frequency. T. Moreno. 2,497,093, Feb. 14.
Wave analyzer. G. W. Cook. 2,535,043, Dec. 26.
Wave conversion system for transmitters and receivers. R. B. Dome. 2,534,111, Dec. 12.
Wave delay means, Compressional. D. L. Arenberg. 2,505,515, Apr. 25.
Wave device, Ultra short. W. C. Hahn. 2,498,886, Feb. 28.
Wave filter. A. G. Fox. 2,530,691, Nov. 21.
Wave form demonstrator. N. E. Sprecher. 2,523,339, Sept. 26.
Wave generation and control. S. M. Beleskas. 2,515,030, July 11.
Wave guide coupling. W. A. Aron, C. H. Davis, and L. M. Hollingsworth. 2,521,818, Sept. 12.
Wave guide coupling. F. W. Koller and E. Ley. 2,522,279, Sept. 12.
Wave guide, Electric. E. C. Cork and M. Bowman-Manifold. 2,509,196, May 23.
Wave guide for high-frequency electric currents. D. T. Hollingsworth. 2,518,892, Aug. 15.
Wave guide for high-frequency electric currents. D. T. Hollingsworth and C. W. J. Morley. 2,511,916, June 20.
Wave guide impedance matching section. W. W. Mieher. 2,534,289, Dec. 19.
Wave guide junction, Rectangular to circular. F. E. Ehlers. 2,519,750, Aug. 22.
Wave guide mixer. R. V. Pound. 2,518,931, Aug. 15.
Wave guide mode converter. E. H. Meier. 2,526,383, Oct. 17.
Wave guide system. C. A. Martin. 2,514,779, July 11.
Wave guide system. G. C. Southworth. 2,514,678, July 11.
Wave guide with mode suppression means. W. S. Percival. 2,512,468, June 20.
Wave guide with phase compensating paired bends. W. A. Tyrrell. 2,493,842, Jan. 10.
Wave meter. W. L. Roth. 2,530,541, Nov. 21.
Wavemeter, Ultra high frequency. E. L. Ginzton and F. L. Salisbury. 2,503,256, Apr. 11.
Wave receiver, Angle modulated. M. G. Crosby. 2,519,890, Aug. 22.
Wave receiver, Time modulated. H. P. Kalmus and C. W. Carnahan. 2,507,409, May 9.
Wave-selector system, Multiple-tuned. H. A. Wheeler. 2,519,524, Aug. 22.
Wave shape correction circuit. R. A. Braden. 2,506,770, May 9.
Wave-signal receiver. L. C. Stenning. 2,525,151, Oct. 10.
Wave-signal responder system. M. K. Taylor. 2,524,491, Oct. 3.
Wave-signal responder system. M. K. Taylor and R. S. Paulden. 2,524,495, Oct. 3.
Wave-signal responder system. H. Wood. 2,524,493, Oct. 3.
Wave-signal responder system. H. Wood, R. H. Davies, and J. R. Whitehead. 2,524,494, Oct. 3.
Wave-signal responder system. H. Wood, F. C. Williams, and J. R. Whitehead. 2,524,492, Oct. 3.
Wave-signal selector system. B. F. Tyson. 2,513,761, July 4.
Wave-signal translating system for selected band of wave-signal frequencies. H. A. Wheeler. 2,527,664, Oct. 31.
Wave-signal translating system, Superregenerative. J. J. Okrent. 2,526,267, Oct. 17.
Wave signaling system, Electrical. E. H. Ullrich. 2,520,184, Aug. 29.
Wave translating device. S. Doba, Jr. 2,521,116, Sept. 5.
Wave transmission. G. C. Southworth. 2,514,679, July 11.
Wave transmission apparatus. F. R. Marindin. 2,520,945, Sept. 5.
Wave transmission in liquids, Transverse. R. V. L. Hartley. 2,515,039, July 11.
Waving long hair, Permanent. D. R. Wilson. 2,518,262, Aug. 8.
Waving of hair, The permanent. W. and H. MacDonald. 2,500,554, Mar. 14.
Wax and polymeric polyketone compositions and articles coated therewith. H. H. Hoehn. 2,495,285, Jan. 24.
Wax composition. A. A. Schaerer and K. Arabian. 2,523,848, Sept. 26.
Wax composition containing propylenebutadiene polymer. W. R. Turner and R. G. Heiligmann. 2,514,979, July 11.
Wax composition for coating fruits. O. P. Greenstreet. 2,510,816, June 6.
Wax composition, Self-polishing. F. H. Lyons. 2,517,904, Aug. 8.
Wax compositions. J. R. Bowman and W. P. Ridenour. 2,506,059, May 2.
Wax compositions, Preparing. K. F. Schiermeier and W. E. Heinz. 2,535,604, Dec. 26.
Wax of carnauba type, Synthetic. S. P. Lovell and H. H. Straw. 2,523,705, Sept. 26.

Wax refining. R. W. Pressing and B. J. Pettibone. 2,531,785, Nov. 28.
Wax-resin compositions. W. J. Sparks, A. H. Gleason, and P. K. Frolich. 2,526,655, Oct. 24.
Wax separation by filtration. I. E. Pattillo. 2,518,365, Aug. 8.
Waxer and polisher, Combined floor. W. H. Lee. 2,509,687, May 30.
Waxer and polisher, Floor. P. J. Acocella and D. Capaccione. 2,533,706, Dec. 12.
Waxer and polishing machine, Floor. P. H. Chappell. 2,499,817, Mar. 7.
Waxer, Fishing line. L. E. Legner. 2,519,257, Aug. 15.
Waxer with inertia actuated flow control valve, Floor. E. O. Mildebrath. 2,516,523, July 25.
Waxes and their production from wood waste. E. F. Kurth. 2,526,607, Oct. 17.
Weaner, Calf. H. Masbruch. 2,507,212, May 9.
Weaner, Calf. J. R. Rhinehart. 2,535,158, Dec. 26.
Wear distribution device for friction wheels. F. J. Tippen. 2,527,203, Oct. 24.
Wear strip and floor ring. H. A. Storch. 2,532,743, Dec. 5.
Wear take-up means for wheel brakes. G. C. Geyer. 2,533,927, Dec. 12.
Wearing apparel. W. W. Artzt. 2,519,534, Aug. 22.
Wearing apparel. H. S. Greenblatt and J. Cohen. 2,493,813, Jan. 10.
Wearing apparel support. J. F. Hart. 2,532,909, Dec. 5.
Wearing seat. E. K. Brown. 2,508,097, May 16.
Weasand separator. W. J. Hincks. 2,505,964, May 2.
Weather forecasting device. I. P. Krick. 2,508,273, May 16.
Weather indicator. S. E. Blewett. 2,526,114, Oct. 17.
Weather strip. G. N. Brunker. 2,516,953, Aug. 1.
Weather strip. C. M. Casperson. 2,496,084, Jan. 31.
Weatherstrip. K. E. Coppock and A. A. Limberg. 2,528,264, Oct. 31.
Weather strip. A. G. Krocker. 2,519,141, Aug. 15.
Weather strip for bus or car window construction. J. Schunk. 2,500,297, Mar. 14.
Weather strip for vehicle doors. C. B. Doty. 2,498,851–2, Feb. 28.
Weather strip installation for windows. J. G. Sullivan and F. R. Smith. 2,533,847, Dec. 12.
Weather strip installation tool. F. Gruszecki. 2,533,367, Dec. 12.
Weather stripping, Metal. J. P. Poschen. 2,519,977, Aug. 22.
Weather vane. O. D. Harbert. 2,533,110, Dec. 5.
Weaving device, Patch. W. Abbott. 2,523,932, Sept. 26.
Weaving method and letoff. J. Rinne. 2,523,060, Sept. 19.
Weaving pile fabrics. F. P. Groat. 2,532,903, Dec. 5.
Weaving pile fabrics, Method and apparatus for. R. J. Jackson. 2,516,465, July 25.
Web carrier and making same. D. Miscall. 2,503,629, Apr. 11.
Web coating apparatus. C. P. Putnam and W. E. B. Baker. 2,511,415, June 13.
Web cutting and associating means for printing machines. A. M. Zuckerman. 2,506,053, May 2.
Web feeding device. L. L. Salfisberg. 2,512,216, June 20.
Web feeding device for roll type driers. J. J. Franklin. 2,517,861, Aug. 8.
Web feeding of textile materials. W. G. Helmus. 2,533,247, Dec. 12.
Web feeding, printing, and cutting mechanism in tag forming machines. R. Osborne. 2,515,354, July 18.
Web former and cutter for satchel bottom paper bags. C. V. Clark. 2,533,433, Dec. 12.
Web guiding apparatus. G. H. Farrington. 2,513,927, July 4.
Web looping device for festoon type driers. F. E. Hurxthal. 2,534,026, Dec. 12.
Web position controlling device for web material treating machines. O. L. Strauss and C. J. Wegner. 2,534,686, Dec. 19.
Web roll backstand. F. E. Dunton. 2,508,566, May 23.
Web severing mechanism. P. L. Tollison and C. S. Caffrey. 2,518,960, Aug. 15.
Web supplying mechanism for printing machines. W. C. Wieking. 2,502,688, Apr. 4.
Web tension control means. J. S. Scheuermann and T. N. Carter. 2,521,413, Sept. 5.
Web treating apparatus, Porous. G. D. Knight and B. W. Rowland. 2,521,666, Sept. 5.
Web viewing mechanism. W. E. Peery. 2,524,926, Oct. 10.
Wedge, Expansible. W. R. Anuszkiewicz. 2,505,847, May 2.
Weed destroyer. A. E. and W. Yensen. 2,501,925, Mar. 28.
Weed extractor. R. E. McKinney. 2,532,115, Nov. 28.
Weed puller. S. O. Armstrong. 2,507,948, May 16.
Weed puller. E. M. Hout. 2,525,678, Oct. 10.
Weeder and cultivator. B. J. Mondloch. 2,506,033, May 2.
Weeder, Rotary rod. C. C. Calkins. 2,506,577, May 9.
Weft detector for looms, Photoelectric. R. F. Dion and A. Laraia. 2,522,101, Sept. 12.
Weft feeding mechanism. L. J. Zerbee. 2,501,982, Mar. 28.
Weft replenishing mechanism for looms. O. J. Le Blanc and R. S. Schedin. 2,497,613, Feb. 14.
Weft stop motion. V. M. J. Ancet. 2,516,042, July 18.
Weft stop motion for narrow ware looms. A. S. Hutchins. 2,512,428, June 20.
Weighing accessory for testing machines, Low load. M. C. Tate. 2,501,623, Mar. 21.
Weighing and packaging apparatus. L. R. Muskat. 2,509,836, May 30.
Weighing and packaging apparatus, Automatic. S. R. Howard. 2,502,380, Mar. 28.
Weighing and recording machine, Milk. E. C. Koster. 2,505,552, Apr. 25.
Weighing apparatus. E. S. Scott. 2,531,303, Nov. 21.
Weighing device. O. C. Brewster. 2,516,545, July 25.
Weighing device. R. O. Rundquist. 2,503,218, Apr. 4.
Weighing device for suitcases. A. P. Atherton. 2,518,973, Aug. 15.
Weighing device, Frequency controlled. F. Rieber. 2,513,678, July 4.
Weighing machine. P. B. Richardson. 2,497,015, Feb. 7.
Weighing machine. G. M. Tracy. 2,522,767, Sept. 19.
Weighing machine, Coin-operated. W. A. Tratsch. 2,500,102, Mar. 7.
Weighing machine illuminator. M. A. Weckerly. 2,531,179, Nov. 21.
Weighing machine, Macaroni. V. S. La Rosa, J. Shields, and R. E. Bernier. 2,496,548, Feb. 7.
Weighing machine, Paint. P. L. Hexter. 2,519,371, Aug. 22.
Weighing scale indicator. N. E. Hart. 2,531,124, Nov. 21.
Weight controlled seismographic combustion deflection. W. R. Stinnett. 2,507,230, May 9.
Weight, Cushion rubber base horn. H. J. Picker. 2,501,086, Mar. 21.
Weight-holding means for wheel-balancing weights. R. D. Englehart. 2,522,024, Sept. 12.
Weight on bit indicator. J. T. Hayward. 2,528,883, Nov. 7.
Weight, Shuffleboard. L. Colaluca. 2,494,929, Jan. 17.
Weight structure, Detachable. J. F. Ravenscroft. 2,526,412. Oct. 17.
Weighted flush tank valve. C. Hoerig. 2,514,062, July 4.
Weighting mechanism for textile drawing machines. V. A. Burnham and G. C. Anderson. 2,525,647, Oct. 10.
Weld rod. G. R. Ingels. 2,493,143, Jan. 3.
Weld rods, Making. J. Rochat. 2,500,380, Mar. 14.
Weldable nickel base alloy. R. T. Banister. 2,503,608, Apr. 11.
Welded coupling. W. W. Vander Clute. 2,495,615, Jan. 24.
Welded metal reel. P. H. Kurtz. 2,521,922, Sept. 12.
Welded reinforcement. G. L. Smith. 2,495,782, Jan. 31.
Welded steel pipe. E. G. Hill. 2,513,240, June 27.
Welder. L. H. Daniels and H. L. Lindstrom. 2,508,145, May 16.
Welder, Continuous longitudinal seams. L. J. Berkeley. 2,526,723, Oct. 24.
Welder, Dual. U. S. Dunn. 2,511,050, June 13.
Welder, Impulse resistance. H. Klemperer. 2,508,115, May 16.
Welder, Portable manual electric spot. A. C. Mulder. 2,535,946, Dec. 26.
Welder, Portable spot. R. M. Gaston. 2,517,653, Aug. 8.
Welder's inspection light. E. D. McElhaney and F. N. Michehl. 2,534,786, Dec. 19.
Welding apparatus. J. H. Abbott. 2,498,905, Feb. 28.
Welding apparatus. K. H. Miller. 2,526,035, Oct. 17.
Welding apparatus. R. P. C. Rasmusen. 2,515,264, July 18.
Welding apparatus and control therefor actuated by an electric current pulse timer. F. H. de Jong. 2,496,779, Feb. 7.
Welding apparatus, Arc spot. H. S. Bowen. 2,498,241, Feb. 21.
Welding apparatus, Flash butt. J. J. Riley. 2,499,281, Feb. 28.
Welding apparatus, Fluid cooled. R. W. Tuthill and A. U. Welch, Jr. 2,527,235, Oct. 24.
Welding apparatus, High-frequency inductive. W. G. Dow, H. C. Early and H. J. Gomberg. 2,493,950, Jan. 10.
Welding apparatus, Inert gas shielded continuous-feed metal-arc. A. W. Baird. 2,510,205, June 6.
Welding apparatus, Resistance. E. M. Laughner. 2,501,343, Mar. 21.
Welding apparatus, Resistance. A. Rava. 2,502,887, Apr. 4.
Welding apparatus, Touch. H. Bienfait, W. P. van den Blink, J. A. A. Gilsing, and M. J. Jansen. 2,511,426, June 13.
Welding cable. F. S. Wreford. 2,504,777, Apr. 18.
Welding clamp. R. A. Johnson. 2,530,969, Nov. 21.
Welding, Cold pressure. A. B. Sowter. 2,522,408, Sept. 12.
Welding control. J. Heuschkel and P. M. La Hue. 2,498,491, Feb. 21.
Welding control system. C. R. Hewson. 2,532,826, Dec. 5.
Welding control system. H. F. Storm. 2,532,825, Dec. 5.
Welding device. T. L. May. 2,521,471, Sept. 5.
Welding device, Worm. H. C. Carter. 2,504,921, Apr. 18.
Welding electrode assembly. G. S. McIntyre. 2,517,798, Aug. 8.
Welding electrode, Fluted spot. F. R Hensel, E. I. Larsen, and E. F. Holt. 2,513,323, July 4.

Welding equipment. G. Gilliver. 2,510,099, June 6.
Welding equipment. C. E. Perrine and A. M. Brown. 2,495,129, Jan. 17.
Welding generator. J. H. Blankenbuehler. 2,508,140, May 16.
Welding gun, Arc stud. K. C. Craven. 2,510,620, June 6.
Welding gun with gas shielded arc. P. G. Pitcher. 2,510,415, June 6.
Welding laminated plates. H. C. Boardman. 2,516,100, July 25.
Welding machine. J. R. Wirt and W. H. Sheley. 2,515,106, July 11.
Welding machine, Automatic arc. S. and C. Lundahl 2,504,711, Apr. 18.
Welding machine, Contour. E. L. Tichenor and W. Cremins. 2,522,146, Sept. 12.
Welding machine, Flexible submerged melt. A. W. Baird. 2,510,204, June 6.
Welding metal of different thicknesses, Resistance. J. Heuschkel. 2,498,492, Feb. 21.
Welding method and apparatus. W. H. Suydam, Jr. 2,504,753, Apr. 18.
Welding method employing electrical energy storage means, Resistance. H. Klemperer. 2,493,762, Jan. 10.
Welding method, Resistance. J. J. Brown. 2,510,956, June 13.
Welding method, Resistance electric. J. Languepin. 2,507,022, May 9.
Welding pressure vessels. G. H. Toops. 2,511,553, June 13.
Welding quench-hardenable steels, Method and apparatus for. H. D. Van Sciver, II, and J. J. MacKinney. 2,508,329, May 16.
Welding rod. W. A. Wissler. 2,505,077, Apr. 25.
Welding rod and feed process, Inert gas blanketed. H. T. Herbst. 2,496,347, Feb. 7.
Welding rod feed, Inert gas blanketed oscillatory. T. McElrath, Jr., and F. M. Drake. 2,505,054, Apr. 25.
Welding rod for touch arc welding, Coated self-starting. H. Bienfait, W. P. van den Blink, and S. D. Boon. 2,504,630, Apr. 18.
Welding rod holder. J. A. Hills. 2,504,837, Apr. 18.
Welding studs, Electrically. H. J. Graham. 2,518,463, Aug. 15.
Welding, Submerged melt electric. E. L. Frost. 2,511,976, June 20.
Welding system, Condenser. J. W. Dawson. 2,508,103, May 16.
Welding system, Condenser. J. W. Dawson and H. Klemperer. 2,515,636, July 18.
Welding system, Electric arc. J. M. Tyrner and N. E. Anderson. 2,517,739, Aug. 8.
Welding system, Electric percussion. H. J. Graham. 2,510,101, June 6.
Welding system, Resistance. J. W. Dawson. 2,508,708, May 23.
Welding thermoplastic bodies. N. S. Norris. 2,505,647, Apr. 25.
Welding torch, Electric. L. F. Himmelman. 2,514,060, July 4.
Well activator. J. R. Burress. 2,534,949, Dec. 19.
Well activator. W. D. Dobbs. 2,533,563, Dec. 12.
Well blowout preventer. W. E. Haslam. 2,506,359, May 2.
Well casing cutter. W. L. Worden and E. G. Lee. 2,525,007, Oct. 10.
Well casing protector. J. T. Phipps. 2,515,796, July 18.
Well cementing composition. D. H. Larsen. 2,526,674, Oct. 24.
Well completion apparatus. T. A. Huber. 2,530,966, Nov. 21.
Well conditioning apparatus. M. Schlumberger. 2,526,695, Oct. 24.
Well device. J. M. Clark. 2,498,791, Feb. 28.
Well-drilling apparatus. H. L. Feaster. 2,531,120, Nov. 21.
Well drilling apparatus. C. J. Keim. 2,507,256, May 9.
Well-drilling apparatus. S. Wright. 2,498,192, Feb. 21.
Well drilling guide tool. W. P. Morris. 2,495,073, Jan. 17.
Well drilling machine. G. C. Tower. 2,522,412, Sept. 12.
Wellhead. H. Allen. 2,517,821, Aug. 8.
Wellhead assembly. J. E. Eckel and M. R. Jones. 2,532,662, Dec. 5.
Wellhead, Special. G. A. Humason. 2,504,025, Apr. 11.
Well heater. H. D. Bowman. 2,500,513, Mar. 14.
Well logging. G. Herzog. 2,506,149, May 2.
Well logging apparatus. R. P. Vincent. 2,524,150, Oct. 3.
Well logging apparatus, Acoustic. C. H. Kean. 2,530,971, Nov. 21.
Well logging, Fluid ingress. D. Silverman. 2,517,603, Aug. 8.
Well logging, Method and apparatus for. W. L. Russell. 2,524,360, Oct. 3.
Well logging, Method and apparatus for neutron. J. M. Thayer, G. Swift, and R. E. Fearon. 2,515,535, July 18.
Well logging, Radiological. K. C. Crumrine. 2,509,908, May 30.
Well logging, Radiological. G. Herzog. 2,512,020, June 20.
Well packer. H. C. Otis. 2,506,680, May 9.
Well pipe filter. H. M. Greene. 2,525,897, Oct. 17.
Well plug. T. M. Ragan. 2,507,270, May 9.
Well plugging and whipstocking. D. B. Grable and J. M. Jackson. 2,509,144, May 23.
Well pressure control, Oil and gas. J. M. Gillespie. 2,517,655, Aug. 8.
Well pump. T. R. Alley. 2,503,986, Apr. 11.
Well pump. K. Kelley. 2,528,833, Nov. 7.
Well repair. R. H. Smith. 2,495,352, Jan. 24.
Well rig. G. R. Hunt. 2,527,255, Oct. 24.
Well sinking apparatus. P. J.-M. T. Allard. 2,507,292, May 9.
Well spider. J. D. Nixon. 2,527,954, Oct. 31.
Well survey apparatus. G. Jackson. 2,521,294, Sept. 5.
Well survey method and apparatus. R. E. Fearon. 2,513,086, June 27.
Well surveying device. A. L. Smith. 2,534,632, Dec. 19.
Well tool. J. Lynes and J. A. Armitage. 2,516,581, July 25.
Well tool. H. C. Otis and H. C. Otis, Jr. 2,508,285, May 16.
Well tool. J. P. Smith. 2,518,500, Aug. 15.
Well tool thread lock. A. A. Baker. 2,509,469, May 30.
Wells, Logging. J. T. Hayward. 2,528,882, Nov. 7.
Welt and making the same. E. R. Ouimet. 2,517,347, Aug. 1.
Welt closing mechanism for straight knitting machines. E. M. Zesch. 2,519,991, Aug. 22.
Welt construction for shoes and boots. A. Atlas. 2,526,925, Oct. 24.
Welt cutter. J. L. Bausher and F. D. Rickert. 2,515,687, July 18.
Welt for hats, Dual. S. Rausch. 2,503,131, Apr. 4.
Welt for stockings, Adjustable. S. I. Burd. 2,494,927, Jan. 17.
Welt guide and method for avoiding distortion of welts in welt shoes. J. P. Fredericksen. 2,509,221, May 30.
Welt-turning apparatus in straight bar knitting machines. A. G. Edwards, G. Uchaf, M. Tydfil, H. Hooper, and J. C. White. 2,495,574, Jan. 24.
Wet film gauge. M. R. Euverard. 2,507,592, May 16.
Wet guide. L. Hornbostel. 2,530,122, Nov. 14.
Wet milling of grain sorghum. R. L. Slotter and R. A. Anderson. 2,527,585, Oct. 31.
Wet press. B. Liebowitz. 2,535,642, Dec. 26.
Wheatstone bridge follow-up system. J. H. Schellman. 2,503,513, Apr. 11.
Wheel: *See*—
Abrading contact wheel.
Abrasive wheel.
Air jet pin wheel.
Ball-bearing wheel.
Buffing and polishing wheel.
Buffing wheel.
Composite insulated wheel.
Demountable wheel.
Diamond abrasive wheel.
Directional control blasting wheel.
Dual wheel.
Elastic vehicle wheel.
Enclosed resilient wheel.
Expansible rimmed abrading wheel.
Fifth wheel.
Filing wheel.
Gear wheel.
Imitation overshot water wheel.
Lower fifth wheel.
Manually operated adjustable car wheel.
Monorail wheel
Motor-driven vehicle wheel.
Oil driven turbine motor vehicle wheel.
Perpetual status cycle wheel.
Pneumatic sanding wheel.
Polishing wheel.
Power wheel.
Railway car wheel.
Railway vehicle wheel.
Resiliently reacting deformable wheel.
Roller skate wheel.
Sealed wheel.
Self-cleaning wet wheel.
Sound-producing toy pin wheel.
Spring disk wheel.
Steerable and full swiveling tail wheel.
Torsion bearing fifth wheel.
Torsion bearing type fifth wheel.
Toy motor vehicle simulated steering wheel.
Toy pin wheel.
Toy steering wheel.
Trailer fifth wheel.
Turbine impeller wheel.
Vehicle wheel.
Ventilated buffing wheel.
Wheel. P. G. Gilbert. 2,522,710, Sept. 19.
Wheel. A. H. Oelkers. 2,533,176, Dec. 5.
Wheel. C. W. Sinclair. 2,501,587, Mar. 21.
Wheel. C. W. Sinclair. 2,521,260, Sept. 5.
Wheel adjusting and removing device. W. T. Allen. 2,497,148, Feb. 14.
Wheel adjustment for carpet sweepers. L. H. Snyder and K. D. Yost. 2,515,671, July 18.
Wheel aligning gauge. G. Zeigler. 2,522,916, Sept. 19.
Wheel alignment gauge. J. G. Fontaine. 2,503,580, Apr. 11.
Wheel and arbor flange, Safety abrasive. R. H. Hoffman. 2,508,946, May 23.
Wheel and bushing therefor, Grinding. C. C. Esty. 2,519,035, Aug. 15.
Wheel and hub, Two-part. P. W. Nichols. 2,515,419, July 18.
Wheel and manufacturing same, Laminated. V. F. Carraher. 2,516,365, July 25.
Wheel and tire changing device. R. A. Winzler and J. Vaccaro. 2,525,437, Oct. 10.
Wheel and tooth therefor, Sprocket. W. J. Urban. 2,534,187, Dec. 12.
Wheel and wheel mounting. A. L. Ayers. 2,496,615, Feb. 7.
Wheel assembly. E. E. Eriksson. 2,534,586, Dec. 19.

Wheel assembly, Dual. C. S. Ash. 2,525,512, Oct. 10.
Wheel balance checking apparatus. L. V. Jacobsen and G. G. Go Sline. 2,526,484, Oct. 17.
Wheel balancer. T. H. Henry. 2,493,872, Jan. 10.
Wheel balancer. K. K. Shepard. 2,502,633, Apr. 4.
Wheel balancer, Static. C. W. Tinkham. 2,506,002, May 2.
Wheel balancing device. W. G. Minder. 2,499,770, Mar. 7.
Wheel balancing machine. W. H. Trindle. 2,524,407, Oct. 3.
Wheelbarrow and wagon, Combination. R. M. Lewis. 2,518,032, Aug. 8.
Wheelbarrow booster. T. Thomas. 2,532,966, Dec. 5.
Wheelbarrow, Folding. A. and A. T. Provitola. 2,494,199, Jan. 10.
Wheelbarrow, Power-driven. L. D. Bell. 2,533,549, Dec. 12.
Wheelbarrow with weighing means. C. O. Bull. 2,535,264, Dec. 26.
Wheel bearing. J. R. Ristow. 2,506,278, May 2.
Wheel bearing. F. L. Wetzel and W. C. Wright. 2,516,537, July 25.
Wheel bearing packer. A. P. Fox and L. C. Rotter. 2,515,208, July 18.
Wheel block. G. R. Johnson. 2,517,673, Aug. 8.
Wheel block. A. M. Wiswell and M. O. Ream. 2,522,328, Sept. 12.
Wheel block for vehicles. F. E. Richardson. 2,521,539, Sept. 5.
Wheel body, Resilient. N. G. A. Malmquist. 2,511,279, June 13.
Wheel brake control linkage for roadable airplanes. R. E. Fulton, Jr., and O. J. Alvarez. 2,512,928, June 27.
Wheel changing tool. C. D. Nellis. 2,504,345, Apr. 18.
Wheel chock for automotive vehicles, Self-retracting. R. H. Edwards. 2,522,104, Sept. 12.
Wheel cleaner. E. W. Adolphson. 2,522,204, Sept. 12.
Wheel construction, Weld. B. H. Forssmark. 2,510,744, June 6.
Wheel cover. G. A. Lyon. 2,493,001–3, Jan. 3.
Wheel cover. G. A. Lyon. 2,493,767, Jan. 10.
Wheel cover. G. A. Lyon. 2,497,895–7, Feb. 21.
Wheel cover. G. A. Lyon. 2,504,995, Apr. 25.
Wheel cover. G. A. Lyon. 2,505,780, May 2.
Wheel cover. G. A. Lyon. 2,510,990, June 13.
Wheel cover. G. A. Lyon. 2,525,816, Oct. 17.
Wheel cover. G. A. Lyon. 2,531,449, Nov. 28.
Wheel cover. G. A. Lyon. 2,535,081, Dec. 26.
Wheel cylinder for hydraulic brakes. S. H. Sime. 2,533,902, Dec. 12.
Wheel for agricultural machines. E. J. Allman. 2,495,952, Jan. 31.
Wheel for automobiles, Heated steering. S. V. Wilson. 2,530,559, Nov. 21.
Wheel for automotive vehicles, Relief. I. Barfus. 2,533,869, Dec. 12.
Wheel for foot attachment. D. W. Blackwell. 2,520,793, Aug. 29.
Wheel for motor vehicles, Auxiliary. E. Craig. 2,535,567, Dec. 26.
Wheel for vehicles. H. W. Zimmerman. 2,511,141, June 13.
Wheel for vehicles, Emergency. A. M. O'Dea. 2,502,060, Mar. 28.
Wheel for vehicles, Resilient. B. W. D. Lacey and H. R. Willcocks. 2,511,922, June 20.
Wheel gauge. B. J. Beckwith. 2,531,102, Nov. 21.
Wheel gauge. T. Weber. 2,497,481, Feb. 14.
Wheel gauge. J. L. Wilson. 2,516,497, July 25.
Wheel grip, Traction. O. Fletcher. 2,525,122, Oct. 10.
Wheel guard, Tractor. T. C. Glass. 2,530,053, Nov. 14.
Wheel handling apparatus, Dual. F. W. Hennings and L. L. Wilhelm. 2,525,351, Oct. 10.
Wheel hubs, Making. C. L. Clark. 2,492,967, Jan. 3.
Wheel jacking apparatus. G. Gustafson. 2,497,726, Feb. 14.
Wheel motor unit. J. D. Tucker. 2,514,460, July 11.
Wheel mounting. D. Firth. 2,519,958, Aug. 22.
Wheel mounting. D. Firth. 2,524,903, Oct. 10.
Wheel mounting means. C. D. Olson. 2,511,000, June 13.
Wheel operating device, Fifth. S. B. Winn. 2,519,090, Aug. 15.
Wheel play indicator. N. M. Williams. 2,508,849, May 23.
Wheel positioning device for toy trains. J. L. Studer. 2,503,890, Apr. 11.
Wheel prerotation means, Aircraft landing. M. W. Morse. 2,521,864, Sept. 12.
Wheel retracting mechanism, Amphibious vehicle. J. D. Warner. 2,501,750, Mar. 28.
Wheel ridge leveling device. E. Steffen. 2,533,150, Dec. 5.
Wheel slip relay and wiring. B. E. Frier. 2,516,198, July 25.
Wheel structure. F. C. Frank. 2,523,756, Sept. 26.
Wheel structure. C. Hollerith. 2,511,264, June 13.
Wheel structure. J. R. Manning. 2,516,896, Aug. 1.
Wheel structure, Sheet metal. R. E. Smith. 2,529,231, Nov. 7.
Wheel support with power actuated clamping means. J. F. Eckles. 2,530,572, Nov. 21.
Wheel suspension. J. H. Booth. 2,509,803, May 30.
Wheel suspension. K. J. and A. J. Hersey. 2,526,866, Oct. 24.
Wheel suspension. H. D. Lange. 2,507,108, May 9.
Wheel suspension. J. W. Leighton. 2,497,459, Feb. 14.
Wheel suspension. T. W. Mciklejohn, Jr., and S. J. Wittman. 2,534,722, Dec. 19.
Wheel suspension, Combination steerable and banking. M. M. H. Lips. 2,521,986, Sept. 12.
Wheel suspension, Demountable. C. M. and F. Goldammer. 2,522,867, Sept. 19.
Wheel suspension, Dual. A. S. Krotz. 2,506,367, May 2.
Wheel suspension for trailer boats. R. E. Restall. 2,494,144, Jan. 10.
Wheel suspension, Front. R. E. Franks. 2,525,171. Oct. 10.
Wheel suspension, Independent. M. Fernández. 2,511,252, June 13.
Wheel suspension, Independent. W. H. Knapp. 2,507,980, May 16.
Wheel suspension, Independent. P. T. Tucker. 2,501,796, Mar. 28.
Wheel suspension, Torsion spring. A. B. Cooper. 2,497,072, Feb. 14.
Wheel tooth and pallet contact means, Sprocket. W. J. Urban. 2,534,186, Dec. 12.
Wheel trim, Making plastic. G. A. Lyon. 2,499,400, Mar. 7.
Wheel trim ring. G. A. Lyon. 2,524,062, Oct. 3.
Wheel turning device, Steering. J. Sinko. 2,509,319, May 30.
Wheel wrench. O. A. Steinmann. 2,512,978, June 27.
Wheeled attachment for boats. M. Raveau. 2,533,895, Dec. 12.
Wheeled golf club carrier. A. Warring. 2,533,541, Dec. 12.
Wheeled toy axle mounting. J. H. Norton. 2,516,526, July 25.
Wheeling device, Car. C. S. Perry, H. M. McMillan, L. C. Herring and J. F. Bauknight. 2,505,003, Apr. 25.
Wheels with resiliently suspended rim. S. Maiorca. 2,528,156, Oct. 31.
Whip roll mechanism for looms. J. E. Repass. 2,535,515, Dec. 26.
Whipstock. R. C. Gammill. 2,498,159, Feb. 21.
Whipstock, Casing. H. G. Livingston. 2,506,799, May 9.
Whistle. N. H. Pitts. 2,505,141, Apr. 25.
Whistle, Animated. R. Y. Grant, Jr. 2,503,818, Apr. 11.
Whistle construction, Hinged. J. H. Reichart. 2,507,934, May 16.
Whistle for locomotives, Self-blowing. L. Elliott. 2,528,124, Oct. 31.
Whistle for toys, Two-piece rubber. T. W. Smith, Jr. 2,519,324, Aug. 15.
Whistle, Multitone. W. R. Smith. 2,518,435, Aug. 8.
White cast iron. K. D. Millis. 2,516,524, July 25.
Whitening alkaline earth carbonates. L. J. Minnick. 2,520,850, Aug. 29.
Wick, Composite. P. S. Ramos. 2,504,584, Apr. 18.
Wick for oil burners. A. M. Goodloe. 2,493,961, Jan. 10.
Wick-type fuel burner. A. Nelson. 2,518,050, Aug. 8.
Wick type oil burner. J. F. Meyer. 2,532,570, Dec. 5.
Wide band flexible section for wave guides. H. J. Schlafly, Jr. 2,528,248, Oct. 31.
Wide band impedance matching network. I. J. Melman. 2,533,030, Dec. 5.
Wide dynamic range detector circuit. H. N. Beveridge. 2,528,206, Oct. 31.
Wide range phase meter. M. Dishal. 2,516,858, Aug. 1.
Wide range radiation intensity meter. T. Fahrner. 2,524,901, Oct. 10.
Wild animal trap. H. Balch. 2,513,837, July 4.
Wild-goose blind. B. Honald. 2,501,517, Mar. 21.
Winch. J. Helstrom. 2,497,603, Feb. 14.
Winch. R. F. Symonds. 2,503,177, Apr. 4.
Winch belt-clutch. P. L. Ciaccio. 2,505,277, Apr. 25.
Winch control mechanism. A. W. Evans. 2,532,360, Dec. 5.
Winch driving mechanism. I. Bromfield. 2,498,244, Feb. 21.
Winch, Electric. K. Mahnke. 2,498,286, Feb. 21.
Winch, Fluid controlled. B. L. Britt. 2,510,619, June 6.
Winch, Multiple drum. R. G. Le Tourneau. 2,529,299, Nov. 7.
Winch, Power. R. G. Le Tourneau. 2,495,463, Jan. 24.
Winch, Safety. J. M. Benson. 2,525,764, Oct. 17.
Winch unit. N. L. Emmons. 2,534,583, Dec. 19.
Winch with friction clutch. R. F. Symonds. 2,506,397, May 2.
Wind and rewind machine for magnetic recording media. L. S. Toogood. 2,526,783, Oct. 24.
Wind direction indicator. C. A. de Giers and A. Edelman. 2,496,339, Feb. 7.
Wind drift equipment. L. de Florez, E. K. Smith, and G. W. Hoover. 2,528,502, Nov. 7.
Wind-power machine. J. Bright. 2,534,411, Dec. 19.
Windrow pickup machine. J. Johnson. 2,502,046–7, Mar. 28.
Windrow receiving and placing device, Adjustable. E. Gaterman. 2,511,842, June 20.
Windrow trip for self-dump rakes, Automatic. R. P. Porter. 2,502,276, Mar. 28.
Windrow turner. A. C. Thompson and C. Gill. 2,519,005, Aug. 15.

Windrower. C. W. Hansen and F. N. G. Kranick. 2,532,164, Nov. 28.
Windrower, Bean, pea, and peanut. J. R. James. 2,507,635, May 16.
Windrower leveling means. W. B. Tallman. 2,530,668, Nov. 21.
Windrowing device. E. Gaterman. 2,511,841, June 20.
Windrowing device for harvesters, Automatic. F. F. Gilbert. 2,499,487, Mar. 7.
Windscreen for microphones. L. J. Anderson and A. H. Kettler. 2,520,706, Aug. 29.
Windshield attachment. C. J. St. Peter. 2,501,013, Mar. 21.
Windshield cleaner. J. W. Anderson. 2,528,678, Nov. 7.
Windshield cleaner. J. R. Oishei, E. C. Horton, and A. C. Scinta. 2,531,889, Nov. 28.
Windshield cleaner. E. V. Schaal. 2,511,129, June 13.
Windshield for cigarette lighters. H. Horning. 2,505,047, Apr. 25.
Windshield for convertible automobiles, Secondary. F. Quackenbush. 2,530,266, Nov. 14.
Windshield for convertibles, Rear seat. H. K. Edlund, J. G. Monjar, G. R. Shuman, and R. De Tamble. 2,499,136, Feb. 28.
Windshield for plum bobs. T. B. Starnes. 2,532,378, Dec. 5.
Windshield, Rear seat. C. B. Stark. 2,502,538, Apr. 4.
Windshield, Vehicle. J. D. McCrum and E. H. Plesset. 2,507,036, May 9.
Windshield wiper actuating means. T. J. Scofield. 2,520,344, Aug. 29.
Windshield wiper arm. L. Zaiger. 2,528,258, Oct. 31.
Windshield wiper arms, Adjustable length. T. J. Smulski. 2,528,979, Nov. 7.
Windshield wiper mechanism. C. R. Sacchini. 2,493,552, Jan. 3.
Windup and release, Cloth roll. A. J. Fiset and C. D. Brown. 2,497,120, Feb. 14.
Wind-up device for tubular material. H. Gerstein and R. Kagan. 2,534,015, Dec. 12.
Wind velocity and direction meter. W. Mikelson. 2,521,531, Sept. 5.
Wind velocity indicator. F. A. Gross. 2,514,948, July 11.
Winder. H. Crouzet. 2,524,121, Oct. 3.
Winder, Armature. L. D. McCollom. 2,535,438, Dec. 26.
Winder, Automatic level hose. E. F. Russ. 2,494,003. Jan. 10.
Winder control system. F. C. Fennell. 2,508,150, May 16.
Winder, Thread. E. Colombu. 2,524,623, Oct. 3.
Winding and packaging machine, Article. E. W. Quackenbush. 2,521,253. Sept. 5.
Winding and reeling device. L. G. Jeffreys. 2,501,390, Mar. 21.
Winding and setting mechanism for watches. R. R. Arnett. 2,525,510, Oct. 10.
Winding and talc applying apparatus. E. E. Barkstrom and J. Gurskis, Jr. 2,508,484. May 23.
Winding apparatus, Film. J. F. Proch. 2,495,344, Jan. 24.
T. H. Tomlonson. 2,495,425, Jan. 24.
Winding crepe thread. A. J. Dijksman, D. J. E. Nijkamp, and O. A. H. Waters. 2,508,502, May 23.
Winding device. V. E. Pratt and G. F. Gray. 2,508,651.
Winding device for fishing lines. E. W. Wineland. 2,504,941, Apr. 18.
Winding device, Power-driven cable. A. V. Schultz and May 23.
Winding device, Shade roller. V. A. Hawkins. 2,534,020, Dec. 12.
Winding device, Spring. E. E. Gregory. 2,530,576, Nov. 21.
Winding device, Spring. R. F. Scott. 2,514,096, July 4.
Winding, Electrical. G. H. Phelps. 2,497,516, Feb. 14.
Winding electrical resistance wire strain gauges. E. W. Graham, and C. M. Yeomans. 2,498,674, Feb. 28.
Winding for commutator machines with large output per pole. V. Klima. 2,502,964, Apr. 4.
Winding machine. F. Weiss. 2,510,786, June 6.
Winding machine, Capacitor. S. Kaim. 2,532,171, Nov. 28.
Winding machine, Coil. J. E. Bancroft. 2,531,962, 2,531,962, Nov. 28.
Winding machine, Coil. T. Kelley. 2,521,795, Sept. 12.
Winding machine, Coil. W. H. Sheley. 2,531,534, Nov. 28.
Winding machine, Finned tube. J. S. Newlin. 2,532,239, Nov. 28.
Winding machine, Flower stem. E. G. Keller. 2,526,368, Oct. 17.
Winding machine, Layer. L. R. Lorenz and R. Patterson. 2,533,382, Dec. 12.
Winding machine, Paper. W. E. Stone. 2,498,224, Feb. 21.
Winding machine, particularly for electric heating elements, Wire. A. J. E. and E. M. Behm. 2,496,847, Feb. 7.
Winding machine, Thread. W. E. Mahoney. 2,535,984. Dec. 26.
Winding machine, Web. P. J. Christman. 2,507,144, May 9.
Winding mechanism. W. P. Dawson. 2,529,075, Nov. 7.
Winding mechanism. G. K. Newell. 2,508,186, May 16.
Winding mechanism, Clock. J. Masaniello. 2,519,917, Aug. 22.
Winding mechanism, Film and shutter. J. Mihalyi. 2,511,215, June 13.
Winding mechanism for deck hoists. G. E. Dath. 2,529,597, Nov. 14.
Winding, Method for. P. R. Hirsh. 2,498,681, Feb. 28.
Winding of elastic threads, Method and device for the. L. Boucraut. 2,514,691, July 11.
Winding rayon. W. V. Henry. 2,508,516, May 23.
Winding slot insulation for electrodynamic machines. O. Wirth. 2,508,850, May 23.
Winding wire onto a spool. C. B. Dale. 2,493,657, Jan. 3.
Window. L. O. Chartier. 2,531,969, Nov. 28.
Window. J. K. Daniels. 2,506,631, May 9.
Window. A. B. Edwards, Jr. 2,509,678, May 30.
Window. R. Foerster. 2,505,888, May 2.
Window. H. W. Hacker. 2,524,105, Oct. 3.
Window. M. J. Hecimovich. 2,506,422, May 2.
Window. J. Kirschstein and C. C. J. Maffei. 2,534,355, Dec. 19.
Window. V. Pampallona. 2,524,924, Oct. 10.
Window. H. E. Schueren. 2,501,454, Mar. 21.
Window. R. E. Sturman. 2,528,800, Nov. 7.
Window. H. E. Vaughn. 2,515,537, July 18.
Window, All purpose. G. A. Bremeier. 2,513,445, July 4.
Window and screen assembly. J. Sylvan. 2,525,322, Oct. 10.
Window assembly, Display. R. V. Cheatham, Jr. 2,524,694, Oct. 3.
Window assembly, Ventilator. G. M. Lane and H. G. Thunder. 2,498,429, Feb. 21.
Window, Automatic self-closing. G. L. Fuller. 2,527,989, Oct. 31.
Window bag and method and apparatus for making same. H. W. Stevens and L. R. Hecker. 2,511,303, June 13.
Window bead fastener. P. B. Schwering. 2,511,546, June 13.
Window, Biological. A. H. Batchelder. 2,517,523, Aug 1.
Window blind. J. W. Smith. 2,503,849, Apr. 11.
Window channel construction and assembly. C. J. McKinney. 2,523,839, Sept. 26.
Window cleaner. P. S. Vosbikian and T. S. Vosbikian. 2,534,086, Dec. 12.
Window-cleaning apparatus. E. L. Fouse. 2,517,474, Aug. 1.
Window-cleaning device, Magnetic. R. D'Andrea. 2,507,559, May 16.
Window closer, Rain actuated. A. Mumenthaler. 2,507,318, May 9.
Window closer, Rain operated automatic. H. Donoghue. 2,531,116, Nov. 21.
Window, Combination storm. C. L. Webster. 2,509,582. May 30.
Window, Combination storm and screen. B. Hansen. 2,519,132, Aug. 15.
Window construction. D. D. Blackman. 2,494,161. Jan. 10.
Window construction. O. H. Johnson. 2,511,341, June 13.
Window construction. R. G. Johnson. 2,535,496, Dec. 26.
Window construction. E. S. Menns. 2,500,849, Mar. 14.
Window construction. E. D. Scott and T. W. Stephenson. 2,497,276, Feb. 14.
Window construction. C. R. Smith. 2,534,687, Dec. 19.
Window cornice board assembly. R. J. Charbonneau. 2,526,806, Oct. 24.
Window decoration. A. E. Kress. 2,510,502, June 6.
Window device for garment bags. W. R. Kohl and A. L. Iverson. 2,527,313, Oct. 24.
Window display protector. J. Continenza. 2,534,576, Dec. 19.
Window, Double pane. R. L. Horstman and F. L. Oelfke. 2,526,752, Oct. 24.
Window drape mounting. C. W. Freeman. 2,504,319, Apr. 18.
Window fastener. H. W. Falk. 2,498,535, Feb. 21.
Window for collapsible tops for automobiles, Rear. J. M. Robbins. 2,495,022, Jan. 17.
Window for motion-picture cameras, Film observation. C. R. Banks. 2,515,169, July 18.
Window frame. P. H. Pelley. 2,497,957, Feb. 21.
Window frame and rolling screen. D. Gorgun. 2,521,455. Sept. 5.
Window holder. S. J. and W. H. Forester. 2,507,967, May 16.
Window holding device. E. E. Foster. 2,495,713, Jan. 31.
Window latch. H. K. Lieb. 2,506,879, May 9.
Window latch. J. W. Wexler. 2,505,598, Apr. 25.
Window lock. R. C. Chapman. 2,496,698, Feb. 7.
Window lock. A. P. Couture. 2,523,559. Sept. 26.
Window lock. H. J. Hufnagel. 2,516,630, July 25.
Window lock. J. Sossi. 2,528,618. Nov. 7.
Window lock. L. F. Surridge. 2,524,940, Oct. 10.
Window mounted air-conditioning unit. A. H. Eberhart. 2,519,086, Aug. 15.
Window mounting. C. H. Turner. 2,532,130, Nov. 28.
Window movement control spring. L. V. Day. 2,505,638, Apr. 25.
Window, No-draft ventilator. L. S. Rawson. 2,513,744, July 4.

Window opening device. P. G. Ness. 2,498,816, Feb. 28.
Window operating device, Awning. J. C. Bancroft. 2,528,572, Nov. 7.
Window operating system. E. C. Horton. 2,528,145, Oct. 31.
Window operator, Awning type. F. H. Derby. 2,519,234, Aug. 15.
Window operator of the endless cable type. A. Rappl. 2,501,092, Mar. 21.
Window operator with a combined temperature and rain responsive control. V. L. Vancil. 2,499,544, Mar. 7.
Window operator with self-energizing lock, Fluid actuated. E. C. Horton and A. Rappl. 2,515,712, July 18.
Window provision box. J. H. Meagher. 2,497,463, Feb. 14.
Window, Reversible. G. Reinmuller. 2,493,501, Jan. 3.
Window safety belt support. B. S. Nelson. 2,523,048, Sept. 19.
Window sash, Auxiliary. D. Sommers. 2,532,957, Dec. 5.
Window sash control. H. J. Smith. 2,503,076, Apr. 4.
Window sash, Double. J. Teruya and K. Kaneshiro. 2,503,081, Apr. 4.
Window sash fastener. G. Z. Guinard. 2,495,930, Jan. 31.
Window sash lock. J. J. Kennedy. 2,521,796, Sept. 12.
Window sash, Metal. H. H. Goldberg. 2,513,640, July 4.
Window sash spacer lock. A. Willink. 2,504,367, Apr. 18.
Window sash support. A. L. Judson. 2,508,760, May 23.
Window, Sashless. E. Pierson. 2,530,724, Nov. 21.
Window screen. N. Hammer. 2,515,708, July 18.
Window screen. D. J. Rust and J. H. Jensen. 2,500,470, Mar. 14.
Window screen. S. Sanchez. 2,523,998, Sept. 26.
Window screen. F. M. Sears. 2,519,934, Aug. 22.
Window screen. W. G. Wayworth. 2,497,022, Feb. 7.
Window screen. L. P. Wright. 2,514,920, July 11.
Window screen and shade construction, Auxiliary. E. Peremi and H. Weimann. 2,509,398, May 30.
Window shade and curtain bracket. R. F. Martin and P. Price. 2,506,160, May 2.
Window shade bracket. F. O. Roshko. 2,500,706, Mar. 14.
Window shade construction. C. G. Barrows. 2,530,218, Nov. 14.
Window shade control, Automatic. F. A. Mauch. 2,510,408, June 6.
Window shade material and making same, Fire-resistant opaque. C. C. Johnson and R. E. Thomas. 2,494,391, Jan. 10.
Window shutter. F. W. and E. O. Bopp. 2,520,273, Aug. 29.
Window shutter. F. W., and E. O. Bopp. 2,524,373, Oct. 3.
Window sill protector. A. D. and S. P. Waters. 2,510,845, June 6.
Window, Sliding and swinging. J. Kemp. 2,521,583. Sept. 5.
Window stop. R. W. Schemansky. 2,527,278, Oct. 24.
Window structure. A. D. Carani. Re. 23,301, Dec. 5.
Window structure, Ventilator type. L. A. Meyers. 2,494,189, Jan. 10.
Window structure with operating and locking mechanisms therefor, Awning type. S. C. Reynaud. 2,516,075, July 18.
Window system. A. Rappl. 2,524,714, Oct. 3.
Window tightener. F. Ernest. 2,504,510, Apr. 18.
Window, Venetian style. W. P. Spratt. 2,499,692, Mar. 7.
Window, Ventilated. O. Kubatzky. 2,531,281, Nov. 21
Window washer. U. Kolchinsky. 2,497,674, Feb. 14.
Wing control, Hydraulic. W. B. Richardson. 2,524,329, Oct. 3.
Wing cutter. W. Bennett, Jr. 2,535,717, Dec. 26.
Wing fold mechanism. J. D. Carpenter. 2,533,429, Dec. 12.
Wing high lift flap device. B. W. Badenoch. 2,518,854, Aug. 15.
Wing lift modification means. H. L. Bowers. 2,500,512, Mar. 14.
Winning kaolin and the like, Process and apparatus for. S. C. Lyons and E. G. Dallmus. 2,520,320, Aug. 29.
Wiper apparatus, Window. L. Baldo. 2,494,538, Jan. 17.
Wiper arm, Adjustable length windshield. T. J. Smulski. 2,507,279, May 9.
Wiper assembly for automatic switches as used in telephone systems. C. R. Woodland. 2,507,429, May 9.
Wiper attachment, Windshield. C. A. McIntyre and W. E. Barden. 2,535,805, Dec. 26.
Wiper, Drill pipe. F. E. Hummel. 2,510,114, June 6.
Wiper drive arm. L. J. Carey. 2,493,527, Jan. 3.
Wiper for limited contact disk brakes. B. E. Clark. 2,496,699, Feb. 7.
Wiper for typographical slug casting machines, Knife. F. C. Frolander. 2,505,285, Apr. 25.
Wiper, Journal. W. M. Gewin. 2,500,984, Mar. 21.
Wiper, Liquid cement brush. P. Guagliano. 2,498,266, Feb. 21.
Wiper mechanism. H. E. Rice, Jr. 2,494,408, Jan. 10.
Wiper system, Windshield. R. Freedman and J. E. Dube. 2,516,558, July 25.
Wiper, Windshield. E. W. Allen. 2,505,078, Apr. 25.
Wiper, Windshield. A. Christensen. 2,499,298, Feb. 28.
Wiper, Windshield. R. B. Morton. 2,513,247, June 27.
Wiper, Windshield. H. E. Rose. 2,516,594, July 25.
Wiper, Windshield. E. E. Seger. 2,516,808, July 25.
Wiper, Windshield. L. Zaiger. 2,499,809, Mar. 7.
Wiper, Windshield. L. Zaiger. 2,508,056, May 16.
Wiper with fabric held by tensioned frame. R. C. Kersh. 2,516,396, July 25.
Wiping mechanism. C. R. Sacchini. 2,511,946, June 20.
Wiping mechanism for conveyer belts. F. E. McGovern. 2,514,780, July 11.
Wire and cables for electrical purposes, Method and apparatus for manufacture of insulated. D. C. Hancock and H. R. Lorch. 2,509,432, May 30.
Wire and mounting, Orthodontic arch. A. B. Brusse. 2,495,692, Jan. 31.
Wire and strip painting apparatus. H. A. Toulin, Jr. 2,527,465, Oct. 24.
Wire bundling stand. G. A. Grange. 2,504,947, Apr. 18.
Wire clamp. H. Bühler. 2,524,649, Oct. 3.
Wire contact device, Sealed. W. B. Ellwood. 2,506,414, May 2
Wire cord, Manufacturing. M. A. Crosby and E. L. Luaces. 2,500,523, Mar. 14.
Wire-cutting tool. T. Suman. 2,507,059, May 9.
Wire delay line, Fine. W. P. Mason. 2,503,831, Apr. 11.
Wire drawing block. W. Morgan. 2,530,624, Nov. 21.
Wire drawing machine. E. W. Ertner. 2,521,838, Sept. 12.
Wire, Electrical resistance. J. S. Hill. 2,514,765, July 11.
Wire enamels and conductors insulated therewith, Synthetic. C. B. Leape. 2,495,172, Jan. 17.
Wire fence adjusting device. M. H. Docken. 2,527,877, Oct. 31.
Wire form brassière. E. Heller. 2,526,230, Oct. 17.
Wire gauge. A. G. Natzke. 2,533,606, Dec. 12.
Wire gripping assembly and casing connector. S. P. Becker. 2,535,623, Dec. 26.
Wire laying machine. A. G. Harmon. 2,499,245, Feb. 28.
Wire laying machine. R. C. Pierce. 2,499,258, Feb. 28.
Wire line cutter. F. Austin. 2,495,953, Jan. 31.
Wire, Making composite. E. H. Wallace. 2,509,117, May 23.
Wire permeability unit, Slide. B. V. K. French. 2,505,178, Apr. 25.
Wire playing device, Magnetic. W. W. Birkes and E. F. Hembree. 2,518,117, Aug. 8.
Wire reel control. J. Banaszak. 2,528,410, Oct. 31.
Wire, rod, and sheet metal drawing lubricant of synthetic wax, borate, and organic binder. G. H. Orozco and R. F. Roy. 2,530,838, Nov. 21.
Wire rope making machine. W. T. MacCreadie. 2,525,230, Oct. 10.
Wire stitching mechanism. J. I. Nasmith. 2,530,312, Nov. 14.
Wire straightener. R. D. Heller. 2,517,309, Aug. 1.
Wire strand or rope, Method and apparatus for producing. D. Lewis. 2,526,247, Oct. 17.
Wire stranding device. O. L. Giffin. Re. 23,281, Oct. 10.
Wire stranding die. E. F. Anderson. 2,503,987, Apr. 11.
Wire stretching tool. F. F. Ritchie. 2,503,634, Apr. 11.
Wire stringing device. W. L. Flagler. 2,503,814, Apr. 11.
Wire stripper. H. C. Axelsen. 2,523,936, Sept. 26.
Wire stripping apparatus. L. M. Carpenter and R. G. Roesch. 2,513,262, June 27.
Wire support. E. L. Klingel. 2,510,182, June 6.
Wire tensioning device. W. R. Hunt. 2,534,130, Dec. 12.
Wire terminal mounting. R. H. Bentley. 2,496,145, Jan. 31.
Wire terminals, Attaching. R. Martines. 2,494,137, Jan. 10.
Wire-tinning and cutting machine. L. G. Pacent, Jr. 2,527,275, Oct. 24.
Wire tying mechanism. M. H. Tuft. 2,512,754, June 27.
Wire unreeling apparatus. C. L. Metzler. 2,500,697, Mar. 14.
Wire wheel spoke tightening machine. H. H. Henry. 2,533,113, Dec. 5.
Wire-winding apparatus. P. A. Schmidt. 2,517,722, Aug. 8.
Wire-wrapping machine. P. R. Hirsh. 2,520,402–3, Aug. 29.
Wiring duct. M. C. Cisler. 2,531,110, Nov. 21.
Wiring pattern for electrical apparatus. S. J. Karns. 2,508,030, May 16.
Wiring system, Electrical conduit. J. F. O'Brien and E. S. Boynton. 2,515,255, July 18.
Wiring system for the selective filtering of vowel sounds. K. Wagner. 2,510,268, June 6.
Wireless receiving apparatus. M. Rabinowicz. 2,514,670, July 11.
Wood-bending apparatus. C. A. Jordan. 2,502,460, Apr. 4.
Wood conditioning process. W. P. Hoffman. 2,534,714, Dec. 19.
Work feeding means for presses. C. N. and A. S. Lovenheim. 2,534,780, Dec. 19.
Wood filling material and its manufacture. D. Horsák. 2,509,642, May 30.
Wood finishing machine. W. N. Belk. 2,519,816, Aug. 22.
Woodgrooving machines, Uniform depth of cut. L. A. Weaver. 2,535,182, Dec. 26.
Wood joint. A. V. Pedersen. 2,498,180, Feb. 21.
Wood pulp. K. R. Gray. 2,518,680, Aug. 15.

Wood veneer edge scarfing machine. C. G. Brostrom. 2,505,880, May 2.
Wooden building block. N. R. Alenius. 2,525,009, Oct. 10.
Wool and producing same, Shrinkproofed. M. E. Cupery. 2,526,637, Oct. 24.
Wool from nylon fibers, Making artificial. B. Graham. 2,516,562, July 25.
Wool treatment. H. F. Leupold and M. J. Kelley. 2,496,631, Feb. 7.
Workbench and tool kit, Combination portable. T. B. Owens. 2,504,722, Apr. 18.
Workbench, cabinet, and tool support, Combined. S. Wilson. 2,505,658, Apr. 25.
Work clamp. E. Ruch. 2,516,648, July 25.
Work clamping mechanism. H. C. Faulkner. 2,510,014, May 30.
Work-cutting mechanism for sewing machines. H. C. Faulkner. 2,512,227, June 20.
Work driving mechanism for lathes. R. R. Roberts. 2,497,690, Feb. 14.
Work feeding device. R. G. Le Tourneau. 2,523,836, Sept. 26.
Work feeding device. W. S. Reynolds and J. R. Turner. 2,506,175, May 2.
Work feeding mechanism for sewing machines. A. N. Hale and R. Carmichael. 2,509,596, May 30.
Work feeding mechanism for machine tools. D. W. Fether. 2,521,209, Sept. 5.
Work guidance assistance for manually guided machine operations. W. N. Bray. 2,494,688, Jan. 17.
Work handling mechanism for furnaces. H. J. Ness. 2,521,183, Sept. 5.
Work holder. N. B. F. Hollander. 2,516,573, July 25.
Work holder. J. E. McPhee and J. H. B. Herts. 2,519,685, Aug. 22.
Work holder. D. A. Middaugh. 2,498,696, Feb. 28.
Work holder. H. A. Myers. 2,534,527, Dec. 19.
Work holder. W. Nipken. 2,499,408, Mar. 7.
Work holder. E. T. Nord. 2,520,329, Aug. 29.
Work holder. E. W. Plumb. 2,528,909, Nov. 7.
Work holder. K. W. Thompson. 2,520,518, Aug. 29.
Work holder. A. C. Tucker. 2,500,967, Mar. 21.
Work holder and making rope soles. C. C. Enright. 2,503,034, Apr. 4.
Work holder mechanism. I. C. Maxwell and O. H. Langen. 2,524,709, Oct. 3.
Workholder, Welder's. C. F. Fairchild. 2,524,969, Oct. 10.
Workholding device. C. B. Lubbert and M. W. Sears. 2,524,267, Oct. 3.
Work holding means. W. A. Harris, Sr. 2,514,641, July 11.
Work illuminating tool handle. W. G. Kleinschmidt. 2,525,414, Oct. 10.
Work locating apparatus. M. J. Meylich and H. J. von Hasseln. 2,526,386, Oct. 17.
Workpiece support. E. Bodmer. 2,525,857, Oct. 17.
Work protector. E. W. Parker. 2,504,444, Apr. 18.
Work support. G. G. Landis and N. J. Hoenie 2,530,016, Nov. 14.
Work supporting device. A. R. Hedberg. 2,534,672, Dec. 19.
Worktable adapted for office work. B. T. Söderlund. 2,497,278, Feb. 14.
Worktable, Inertia controlled machine-tool. T. Miller, A. Jensen, and R. E. Overturf. 2,508,281, May 16.
Worktable supporting structure. A. C. Peterson. 2,496,230, Jan. 31.
Worktable, Tiltable top. S. Saul, Jr. 2,524,085, Oct. 3.
Working up the pancreas of mammals. S. E. Frederiksen. 2,524,658, Oct. 3.
Worktable with rotary and tilting adjustments. W. O. Gilly. 2,495,250, Jan. 24.
World time indicator. E. T. Fisk. 2,513,465, July 4.
World time indicator. M. Graves. 2,525,895, Oct. 17.
Worm and nut mechanism. A. P. Mill. 2,519,777, Aug. 22.
Wort processing. W. S. Bodinus. 2,495,625, Jan. 24.
Wound condenser. C. de Lange. 2,493,231, Jan. 3.
Wound core. C. C. Horstman and J. H. Bramble. 2,495,167, Jan. 17.
Wound package treating apparatus. D. C. Thompson. 2,527,663, Oct. 31.
Wound protector. B. F. Russell. 2,520,436, Aug. 29.
Woven fabric. H. Crawshaw. 2,494,646, Jan. 17.
Woven fabric. D. Finlayson and H. Crawshaw. 2,526,738, Oct. 24.
Wrap stripe and plating mechanism and method. G. R. Marlette 2,528,067, Oct. 31.
Wrapper, Balloon. P. O. Walter. 2,531,795, Nov. 28.
Wrapper, Brush. M. J. First. 2,506,954, May 9.
Wrapper, Composite commodity. S. Rosen. 2,494,965, Jan. 17.
Wrapper, Cured meat. E. C. Draheim. 2,518,762, Aug. 15.
Wrapper, Package. J. H. Roush. 2,527,685, Oct. 31.
Wrapper, Packaging. G. W. Goodwin. 2,522,868, Sept. 19.
Wrapper, Paintbrush. N. H. White. 2,506,821, May 9.
Wrapper suitable for menstrual pads. R. E. S. Rowe. 2,506,238, May 2.
Wrappers, Making coin. E. W. Ekstrand. 2,507,626, May 16.
Wrapping and twisting machine. H. Rumsey, Jr. 2,514,293, July 4.
Wrapping machine. J. W. May. 2,526,824, Oct. 24.
Wrapping machine for comestibles mounted on a stick. H. J. Wahlers. 2,518,101, Aug. 8.
Wrapping machine for razor blades or the like. J. E. Mills. 2,522,234, Sept. 12.
Wrapping material, Selt-sealing. B. L. Trillich. 2,529,060, Nov. 7.
Wrapping or packaging confections. J. Burstiner. 2,505,384, Apr. 25.
Wrapping saw blades or the like, Method and apparatus for. H. E. and G. W. Wilson. Re. 23,231, May 16.
Wreath construction, Ornamental. F. R. Slavek. 2,509,748, May 30.
Wrecking bar. L. E. Parker. 2,502,271, Mar. 28.
Wrecking bar. P. Townill. 2,494,214, Jan. 10.
Wrench: *See*—
Adjustable spanner wrench.
Air wrench.
Automatic adjustable torque wrench.
Automatic toggle actuated grip wrench.
Cam operated jar cap wrench.
Chain-driven ratchet wrench.
Claw - lever - and - rack - actuated parallel jaw wrench.
Clutch-head torque indicating wrench.
Double spiral ratchet wrench.
Geared socket wrench.
Hydraulic ratchet wrench.
Hydraulic wrench.
Impact wrench.
In-place bearing adjustment wrench.
Internal wrench.
Jar cap wrench.
Jar lid wrench.
Lever actuated pivoted jaw wrench.
Lever and gear-sector operated locking parallel-jaw wrench.
Lever and link feed sliding jaw wrench.
Locked nut unlocking socket wrench.
Multiple jaw jar cap wrench.
Nut starting wrench.
Nut gripping wrench.
Pivoted arm jar cap wrench.
Pivoted cam jar cap wrench.
Pivoted outer jaw wrench.
Pivoted rack catch sliding jaw wrench.
Planetary gear speed wrench.
Plier wrench.
Plug wrench.
Power chuck wrench.
Quick-acting slidable jaw wrench.
Quick-acting wrench.
Quick adjusting wrench.
Ratchet-actuated open-end wrench.
Ratchet type socket wrench.
Ratchet wrench.
Reciprocating jaw jar wrench.
Screw cap friction wrench.
Screw-eye wrench.
Self-locking wrench.
Sheet metal lock nut wrench.
Slidable jaw pipe wrench.
Sliding jaw end wrench.
Snap-lock wrench.
Socket wrench.
Spanner wrench.
Speed and power geared hand wrench.
Spring aligned universal joint socket wrench.
Stud wrench.
Threadedly adjustable flexible-strap wrench.
Toggle actuated and adjustably mounted pivoted jaw wrench.
Toggle-actuated plier-type wrench.
Toggle actuated slidable jaw wrench.
Torque measuring wrench
Torque wrench.
Turnbuckle wrench.
Wall supported jar cap wrench.
Wheel wrench.
Wrench. D. B. Houghton. 2,522,038, Sept. 12.
Wrench. S. Huff. 2,514,643, July 11.
Wrench and/or nonlocking pliers, Toggle action self-locking. F. W. Lampe. 2,521,276, Sept. 5.
Wrench and pliers, Locking. H. T. Jones. 2,514,130, July 4.
Wrench construction, Ratchet. J. E. Ott. 2,507,455, May 9.
Wrench container. W. D. Searfoss. 2,510,260, June 6.
Wrench device, Rotary impact. J. Stec. 2,530,915, Nov. 21.
Wrench for rock drill bits. G. J. Coplen. 2,508,664, May 23.
Wrench frame mounting a pivoted inner jaw fulcruming on a nut rotatable on threaded shank of a sliding outer jaw. R. P. Davis. 2,493,529, Jan. 3.
Wrench having a flexible shank and a resilient, compressible gripping member, Internal-grip. W. A. Coldwell. 2,511,049, June 13.
Wrench having antiswing detent for adjustable outer jaws, Pipe. S. Smith. 2,517,729, Aug. 8.
Wrench having cam lever for swinging and locking a pivoted outer jaw. E. A Schumacher. 2,531,746, Nov. 28.
Wrench having convex fulcrum detent quickly shiftable along handle rack. N. W. Warman. 2,503,784, Apr. 11.
Wrench having floatingly mounted movable jaw. D. C. Kerr. 2,516,395, July 25.
Wrench having manually-closed spring-opened pivoted jaws. J. Donahue. 2,493,949, Jan. 10.
Wrench having multiple adjusting means, Flexible jaw J. H. Schoenberger. 2,498,582, Feb. 21.
Wrench having pivoted and slidable inner jaw. P. Ollagnon. 2,513,956, July 4.
Wrench having pivoted spring-biased auxiliary jaws, Pivoted jaw. W. G. Sisley. 2,517,041, Aug. 1.

Wrench having plier-like handles, Adjustable. H. E. Barber. 2,498,235, Feb. 21.
Wrench having separable work encircling portion and pivoted dog grippers. G. E. Werner. 2,514,687, July 11.
Wrench having threaded jaw shank adjusted by sleeve-enclosed interrupted-thread nut having projections yieldably interlocking with sleeve. M. F. Lanckton. 2,496,799, Feb. 7.
Wrench having toggle means for moving and locking the movable jaw relative to the fixed jaw, Sliding side jaw. M. A. Clark. 2,524,376, Oct. 3.
Wrench holder. K. F. Leach. 2,530,307, Nov. 14.
Wrench jaws each having normally aligned work-engaging sections pivotable to V-shape, Confronting. H. N. Boyer. 2,528,814, Nov. 7.
Wrench provided with a staking or peening device, Socket. M. Van Winkle, Jr. 2,525,386, Oct. 10.
Wrench provided with reversible jaw faces, Pipe and nut. G. C. Hardie. 2,531,039, Nov. 21.
Wrench with face attachments, Slidable jaw. A. Cneesh. 2,524,308. Oct. 3.
Wrench with nut ejector, Magazine socket. E. R. Fricke. 2,493,398, Jan. 3.
Wrench with ratcheting jaws, Overload yielding. W. J. Schaub. 2,519,073, Aug. 15.
Wrench with self-adjusting jaws. E. L. Manspeaker. 2,531,285, Nov. 21.
Wringer. R. L. Gold. 2,531,333, Nov. 21.
Wringer, Clothes. S. I. Fekete. 2,514,321, July 4.
Wringer having carrying handle fixed to pivoted support for rollers, Roller mop. J. A. Poirier and W. Rombach. 2,497,468, Feb. 14.
Wringer head mechanism. C. E. Morgenstern and R. E. Lake. 2,535,748, Dec. 26.
Wringer, including a spring urged pressure plate, Mop. I. M. Plamondon. 2,522,891, Sept. 19.
Wringer, Mop. F. J. Hoke. 2,508,947, May 23.
Wringer with pivoted squeeze plate, Mop. G. A. Chatel. 2,516,753, July 25.
Wristband. W. A. Heinrich. 2,505,044, Apr. 25.
Wrist band. T. Hirsch. 2,530,964, Nov. 21.
Wrist watch connector. K. C. Augenstein. 2,530,800, Nov. 21.
Wrist watch connector. W. C. Boots. 2,510,938, June 6.
Wrist watch holder. J. Gomberg. 2,532,161, Nov. 28.
Wrist watch spring bar. N. Guarnieri. 2,510,695, June 6.
Writing desk for vehicles. E. J. Burns. 2,522,602, Sept. 19.
Writing device, Portable letter. C. E. Walters. 2,501,458, Mar. 21.
Wrought alloy. H. Scott, R. B. Gordon, and F. C. Hull. 2,519,406, Aug. 22.
X-ray analysis, Method and apparatus for. S. A. Brosky. 2,504,389, Apr. 18.
X-ray apparatus. J. T. Caldwell. 2,513,915, July 4.
X-ray apparatus. O. C. Hollstein. 2,504,687, Apr. 18.
X-ray apparatus. J. M. Ledeboer and A. W. Vingerhoets. 2,506,674, May 9.
X-ray apparatus. A. Nemet. 2,493,161, Jan. 3.
X-ray apparatus. H. A. Newman. 2,529,043, Nov. 7.
X-ray apparatus. H. A. Smith. 2,529,054, Nov. 7.
X-ray apparatus. F. Waterton. 2,493,606, Jan. 3.
X-ray apparatus, Adjustable. C. P. Davis, Jr., R. L. Guentner, R. J. Wagner, and E. W. Vaughn. 2,508,449, May 23.
X-ray apparatus and method. H. Ekstein and S. Siegel. 2,511,151, June 13.
X-ray apparatus, Dual focus. C. M. Slack. 2,530,182, Nov. 14.
X-ray cassette. D. Armstrong. 2,530,321, Nov. 14.
X-ray cassette, Slit identification. R. M. F. and I. Meschan. 2,505,562, Apr. 25.
X-ray collimating system. W. Parrish and E. A. Cisney. 2,514,791, July 11.
X-ray control apparatus. A. Nemet. 2,502,269, Mar. 28.
X-ray diffraction apparatus. H. F. Kaiser and L. A. Carapella. 2,500,948, Mar. 21.
X-ray diffraction apparatus for use with radioactive materials. D. Harker. 2,532,810, Dec. 5.
X-ray diffraction method. H. Ekstein and S. Siegel. 2,511,152.
X-ray film elements, Photographically sensitive. O. W. Murray. 2,502,529, Apr. 4.
X-ray film processing apparatus, Automatic. C. Katzen and T. R. Games. 2,534,603, Dec. 19.
X-ray gauge. A. G. Richards. 2,528,451, Oct. 31.
X-ray generator. J. J. Vlach. 2,535,708, Dec. 26.
X-ray illuminating mechanism. D. Sussin. 2,534,637, Dec. 19.
X-ray photographs, Making stereoscopic. L. P. and C. J. Dudley. 2,521,154, Sept. 5.
X-ray sensitive screen. J. H. Schulman, L. W. Evans, and R. Ginther. 2,506,749, May 9.
X-ray sensitive screen. J. H. Schulman, L. W. Evans and R. Ginther. 2,524,839. Oct. 10
X-ray speculum. O. C. Hollstein. 2,534,126, Dec. 12.
X-ray stereoshift mechanism. R. L. Guentner and R. L. Wright. 2,518,884, Aug. 15.
X-ray system. E. W. Titterton. 2,534,758, Dec. 19.
X-ray table for patients. W. K. Kearsley. 2,504,697, Apr. 18.
X-ray testing and measuring method and apparatus. F. Fua. 2,530,517, Nov. 21.
X-ray thickness gauge. F. B. Marshall and J. W. Coltman. 2,512,355, June 20.
X-ray tube. J. H. van der Tuuk and J. J. Smit. 2,496,112, Jan. 31.
X-ray tube energizing circuit. H. M. Smith. 2,503,075, Apr. 4.
X-ray tube focusing apparatus. E. R. Goldfield, R. J. Stava, and E. J. Bastin, Jr. 2,499,950, Mar. 7.
X-ray tubehead. J. Lempert and R. V. Gauthier. 2,504,706, Apr. 18.
X-ray tube with movable directing cone. D. E. Berggren. 2,497,755, Feb. 14.
Xanthation, Continuous. S. E. Seaman. 2,530,403, Nov. 21.
Xanthine and methylated xanthines, Preparing. K. N. and B. K. Campbell. 2,523,496, Sept. 26.
Xenyl trichlorosilanes, Halogenated. H. J. Fletcher and H. D. Dingman. 2,528,355, Oct. 31.
Xylene isomers, Manufacture of. J. D. Kemp. 2,527,824–5, Oct. 31.
Xylenes, Production of. G. Purcell and D. C. Hausch. 2,496,253, Jan. 31.
Xylenes separation. A. P. Lien and D. A. McCaulay. 2,528,892, Nov. 7.
Xylidine, Production of. A. S. Houghton and F. R. Lowdermilk. 2,499,918, Mar. 7.
Xylophone. H. Zimmerman. 2,504,915, Apr. 18.
Xylylene bis(quaternary ammonium halides). P. L. De Benneville, L. H. Bock, and R. W. Gormly. 2,519,440, Aug. 22.
Y-fitting. A. J. Randa. 2,505,303, Apr. 25.
Yarn and fabric and making same. E. E. Weiss. 2,526,523. Oct. 17.
Yarn and fabric correlation. R. M. Ingham, Jr. 2,520,936, Sept. 5.
Yarn ball support. C. A. Cook. 2,503,545. Apr. 11.
Yarn cleaner. H. E. Griemsmann. 2,526,864, Oct. 24.
Yarn conditioning. C. F. Chandler. 2,497,536, Feb. 14.
Yarn conditioning device. E. G. Beier. 2,525,997, Oct. 17.
Yarn conditioning device. C. F. Dulken, D. Oberreit and H. Sonntag. 2,510,390, June 6.
Yarn for use in paper-making felts, Composite textile. E. H. Hall. 2,506,667, May 9.
Yarn from continuous filaments, Manufacture of staple. H. J. Woods. 2,523,854, Sept. 26.
Yarn-guiding device. E. K. Bauer and M. T. Forker. 2,517,625, Aug. 8.
Yarn, Making permanently set hard twist wool. R. J. Jackson. 2,509,347, May 30.
Yarn moistening and winding apparatus. L. Campbell. 2,526,848–9, Oct. 24.
Yarn or thread twister. G. H. Snider. 2,523,338, Sept. 26.
Yarn, Permanently set hard twist wool. R. J. Jackson. 2,509,348, May 30.
Yarn, Producing. H. Von Kohorn. 2,517,946, Aug. 8.
Yarn production, Crimped. W. H. Charch, W. A. Hare, and K. F. Signaigo. 2,518,753, Aug. 15.
Yarn, Production of casein. R. F. Peterson. 2,512,674, June 27.
Yarn tension equalizing means. R. H. Johnson. 2,514,582, July 11.
Yarn trapping mechanism for circular knitting machines. G. Palmer. 2,527,069, Oct. 24.
Yarns and textile materials made therefrom, Production of stretched artificial. D. Finlayson and F. B. Hill. 2,509,292, May 30.
Yarns and the like, Manufacture of. B. W. Collins. 2,519,227, Aug. 15.
Yarns impregnated with lubricating compositions, Textile. J. R. Caldwell. 2,496,776, Feb. 7.
Yarns, Making pile. R. C. Allison. 2,499,444, Mar. 7.
Yarns, Producing high tenacity regenerated cellulose. W. J. Elvin and J. B. Steiding. 2,505,033, Apr. 25.
Yeast products, Preserved. M. Stern. 2,523,483, Sept. 26.
Yellow dye images by color development, Production of. D. E. Sargent and R. C. Gunther. 2,522,802, Sept. 19.
Yielding torque indicating tool. A. J. Mellert. 2,512,032, June 20.
Yoke and drawbar element for hydraulic sleeve-pulling devices. A. Gagne. 2,507,003, May 9.
Yo-yo, Sparking. M. J. De Vincent and T. C. Pomatico. 2,517,849, Aug. 8.
Zero control means in accounting machines. J. Mueller. 2,507,117, May 9.
Zero-reset device for numerical counters. M. L. Nelson. 2,514,788, July 11.
Zero set for parking time meters, Delayed-action. S. K. Wood. 2,535,472, Dec. 26.
Zero setting means, Sectionalized. J. Lydfors and S. A. E. Lundin. 2,521,799, Sept. 12.
Zero suppression system for electronic moisture register instruments. M. L. McBrayer and A. J. Swyke. 2,529,846, Nov. 14.
Zeroizing mechanism. C. Herzstark. 2,533,372, Dec. 12.

Zigzag spring construction having central supporting portion. F. C. Matthaei, Jr. 2,526,250, Oct. 17.
Zinc anode for primary cells, Powdered. A. Glassner. 2,501,673, Mar. 28.
Zinc cadmium sulfoselenide phosphors. H. W. Leverenz. 2,505,621, Apr. 25.
Zinc condenser. E. C. Handwerk and G. T. Mahler. 2,494,551, Jan. 17.
Zinc electroplating. A. E. Chester and F. F. Reisinger. 2,495,629, Jan. 24.
Zinc oxide phosphor, Making a. A. L. J. Smith. 2,529,711, Nov. 14.
Zinc salicylate, Basic. L. M. Kebrich. 2,501,127, Mar. 21.
Zinc salts of mono-olefinic acids as antimycotics. J. C. Baker. 2,511,032, June 13.
Zinc selenide, Preparing. S. M. Thomsen. 2,534,562, Dec. 19.
Zinc smelting. C. W. Morrison. 2,493,823, Jan. 10.
Zinc vapor, Condensing. G. T. Mahler and E. C. Handwerk. 2,494,552, Jan. 17.
Zipper actuating device for hookless fasteners. E. J. Clark. 2,531,805, Nov. 28.
Zirconia and producing same, Stabilized. A. H. Ballard and D. W. Marshall. 2,535,526, Dec. 26.
Zirconium carrying alloying substance. E. F. Emley. A. C. Jessup, and P. A. Fisher. 2,497,537, Feb. 14.
Zirconyl acrylates. H. T. Neher, W. R. Conn, and E. H. Kroeker. 2,502,411, Apr. 4.
Zone control apparatus, Multiple. P. V. McGivern. 2,507,262, May 9.

1950

LIST OF DESIGN INVENTIONS

Accordion. A. Cupido. 158,181, Apr. 18.
Accordion. D. E. Noble. 160,879, Nov. 14.
Accordion. J. G. Stancato. 160,898, Nov. 14.
Accordion or similar article. E. Pancotti. 158,784, May 30.
Accounting machine. T. M. Butler. 158,647, May 23.
Accounting machine, Card controlled. G. H. Kress and C. W. Sundberg. 160,722, Oct. 31.
Adapter cap, Nursing bottle. P. R. Finch. 160,487, Oct. 17.
Adapter for developing tanks, Film pack. A. W. Freeman. 160,488, Oct. 17.
Adapter for hearing aids, External battery. L. A. Watson. 158,238, Apr. 18.
Adjuster, Rotatable casement window. L. G. Zarbock. 160,682, Oct. 24.
Adjusting device, Hinge. F. A. Phipps. 158,009, Apr. 4.
Advertising display, Neon tube lighted. R. L. Lett and C. Hedrick. 161,349, Dec. 26.
Advertising sign, Illuminable. J. H. Steinberg. 161,396, Dec. 26.
Adz, Hand. M. Phillips. 161,279, Dec. 19.
Air circulator. R. R. Hutcheson. 160,391, Oct. 10.
Air circulator unit. J. W. Kisling. 157,501, Feb. 28.
Air circulator unit. J. W. Kisling. 160,948, Nov. 21.
Air circulating unit, Table top. O. A. Sutton. 160,349, Oct. 3.
Air cleaner and intake silencer unit, Combination. J. B. and F. Sebok. 157,443, Feb. 21.
Air cleaner and regulator, Combined. D. J. Peeps. 160,010, Sept. 5.
Air compressor. C. W. Sundberg. 157,802, Mar. 21.
Air conditioning unit. F. M. Jones. 159,209, July 4.
Air conditioning unit. S. H. Morse. 157,887, Mar. 28.
Air-conditioning unit, Self-contained. C. W. Sundberg. 158,149, Apr. 11.
Air cooling device, Portable. C. B. Wright. 157,824, Mar. 21.
Aircraft, Amphibian. A. Z. Boyajian, J. Gitz, and P. H. Spencer. 156,694, Jan. 3.
Aircraft, Rotor-equipped. R. A. Pullin and H. Bolas. 158,407, May 2.
Air deflector, Automobile. O. W. Dorfman and E. Peters. 157,845, Mar. 28.
Air deflector, Automobile. L. E. Russell. 157,626–31, Mar. 7.
Air deflector, Automobile. S. J. Zagel. 160,049, Sept. 5.
Air distribution outlet and lighting fixture, Combined. W. W. Kennedy. 156,743, Jan. 3.
Airfilter, insecticide, and vaporizer attachment for a vacuum cleaner, Combination. V. J. Lee. 160,183, Sept. 19.
Airplane. J. R. Atkinson. 160,685, Oct. 31.
Airplane. P. S. Baker, J. M. Shoemaker, I. N. Palley, and W. C. Schoolfield. 158,634, May 23.
Airplane. V. J. Burnelli. 160,841–2, Nov. 14.
Airplane. D. W. Douglas, C. G. Brown, and C. C. Wood. 157,846, Mar. 28.
Airplane. W. K. Ebel, P. M. Magruder, and M. B. Bassett. 157,353, Feb. 21.
Airplane. W. K. Ebel and W. A. Bortner. 157,946, Apr. 4.
Airplane. W. K. Ebel, W. D. van Zelm, and R. H. Draut. 158,363, May 2.
Airplane. M. H. Greenwood and L. Slaughter, Jr. 159,198, July 4.
Airplane. B. N. Powell. 159,858, Aug. 22.
Airplane. A. J. Thieblot. 157,645, Mar. 7.
Airplane. A. J. Thieblot. 158,817, May 30.
Airplane. A. J. Thieblot. 159,110, June 20.
Airplane. A. J. Thieblot. 160,563, Oct. 17
Airplane, Amphibian. R. W. Miller. 156,753, Jan. 3.
Airplane, Amphibian. P. H. Spencer. 156,778, Jan. 3.
Airplane, Amphibian. M. B. Taylor. 156,786, Jan. 3.
Airship, Lighter than air. J. D. Frank. 158,736, May 30.
Air suction and thread trimming machine, Combined. J. Blaeker. 161,084, Dec. 5.
Album. C. R. Hagen. 157,756, Mar. 21.
Album or similar article. D. Hersh. 159,614, Aug. 8.
Alphabet, Arabic. N. N. Khattar. 157,982–3, Apr. 4.
Alphabet for forming monograms or similar article. G. A. Ingleby. 160,321, Oct. 3.
Alphabet for forming monograms or the like. E. J. Jones. 160,176, Sept. 19.
Alphabet for forming monograms or the like. G. Mueller. 160,195, Sept. 19.
Altar. F. T. Paden. 157,081, Jan. 31.
Altar, Miniature. B. A. Johnson. 161,267, Dec. 19.
Amusement device, Child's. G. McCandless and O. W. Dunbar. 156,982, Jan. 24.
Anklet. J. A. Richardson. 160,743, Oct. 31.
Antenna. J. D. Reid. 160,016, Sept. 5.
Antenna. T. Schmidt. 157,090, Jan. 31.
Antenna, Adjustable. S. J. Spector. 158,697, May 23.
Antenna, Adjustable radio and television. C. A. Trowbridge. 158,233, Apr. 18.
Antenna for television, Indoor. H. J. Christianson. 158,177, Apr. 18.
Antenna, Television. J. Goumas. 159,725, Aug. 15.
Antenna, Television receiving. J. Y. Resnick. 161,282, Dec. 19.
Antirattler for automobile windows. P. R. Engel. 156,713, Jan. 3.
Apparatus for automatically exposing sensitized plates for X-ray photography. G. Yates. 160,239–40, Sept. 19.
Applicator, Coating. V. G. Reusch. 157,904, Mar. 28.
Applicator or similar article, Heat. E. Hofman. 156,959, Jan. 24.
Appliqué or the like. M. Silberman. 157,210, Feb. 7.
Apron. S. Goldstein. 160,382, Oct. 10.
Apron. J. Kirsch. 157,053, Jan. 31.
Apron. M. L. Smalley. 160,821, Nov. 7.
Apron, Barbecue. H. Lee. 160,182, Sept. 19.
Apron or similar article. A. Byron. 159,137, June 27.
Apron or similar article. A. L. S. Carroll. 158,047, Apr. 11.
Apron, Protective. E. E. Purdon. 160,888, Nov. 14.
Armchair. W. J. Carr. 158,046, Apr. 11.
Armchair or the like. H. Ritts. 158,507, May 9.
Armrest. L. L. Perimutter. 159,514, Aug. 1.
Arrester, Lightning. J. Finkel. 159,330, July 18.
Arrow nock. C. M. Hunt. 160,263, Sept. 26.
Article display device or the like, Rotatable. R. B. Clime. 160,248, Sept. 26.
Ash bowl. P. L. Heidner. 157,675, Mar. 14.
Ash tray. H. F. Bartley. 159,946, Sept. 5.
Ash tray. F. R. Barto. 158,636, May 23.
Ash tray. A. W. Becker. 159,468, Aug. 1.
Ash tray. M. A. Cavalluzzo. 158,715, May 30.
Ash tray. R. H. Galbreath. 160,934, Nov. 21.
Ash tray. J. Gottfried. 159,060, June 20.
Ash tray. H. S. Hawkins. 158,379, May 2.
Ash tray. A. W. Jefferis, Jr. 157,261, Feb. 14.
Ash tray. I. Kohn. 157,056, Jan. 31.
Ash tray. R. R. Krepela. 158,471, May 9.
Ash tray. M. Pagano. 160,654, Oct. 24.
Ash tray. S. Pollak. 158,681, May 23.
Ash tray. M. Shapiro. 157,208, Feb. 7.
Ash tray. A. W. Trousdale. 159,696, Aug. 8.
Ash tray. H. R. Wingo. 156,794, Jan. 3.
Ash tray and cigarette holder, Combined adjustable. I. L. Silver. 161,292, Dec. 19.
Ash tray and flower holder, Combination. C. W. Sievert. 158,696, May 23.
Ash tray and memorandum holder, Combined. A. G. Hanson. 160,260, Sept. 26.
Ash tray and signal, Combination. R. T. Cornelius. 156,818, Jan. 10.
Ash tray and snuffer, Combined. E. Wedemeyer. 160,676, Oct. 24.
Ash tray and snuffer, Combined. E. Wedemeyer. 160,823–5, Nov. 7.
Ash tray, cigarette, and match holder, Combined. M. Iwanoski. 160,786, Nov. 7.
Ash tray, glass, and bottle holder, Combination. L. A. Yereb. 160,911, Nov. 14.
Ash tray, match holder, and pipe rack, Combination. W. H. J. Downey. 159,055, June 20.
Ash tray, memorandum holder, and penholder, Combination. A. G. Hanson. 157,150, Feb. 7.
Ash tray or similar article. V. B. Evans. 156,715, Jan. 3.
Ashtray or similar article. E. San Giovanni. 157,438, Feb. 21.
Ash tray or similar article, Smoker's. B. T. McNair. 157,884, Mar. 28.
Ash tray, tobacco humidor, pipe rack and stand, Combined. A. Goldstein. 157,860, Mar. 28.
Atomizer. G. Carleton. 160,996, Nov. 28.
Atomizer. M. Franck. 160,702, Oct. 31.
Atomizer. L. D. Petee. 161,368, Dec. 26.
Atomizer and cigarette lighter or the like, Combination. I. Florman. 157,038, Jan. 31.
Atomizer or similar article, Perfume. W. A. Cotter. 157,238, Feb. 14.
Atomizer, Perfume. R. G. Sinderman. 158,336, Apr. 25.
Attachment for bicycles, Sidecar. S. L. Glamb. 158,453, May 9.
Attachment for handbags, Glove holding. G. and I. Bloom. 157,233, Feb. 14.

Attachment for handbags or the like, Glove holding. L. G. Meyers. 161,116, Dec. 5.
Attachment, Faucet. C. E. Lehman. 158,298, Apr. 25.
Attachment for a handbag or the like, Glove holding. G. and I. Bloom. 158,245, Apr. 25.
Attachment for flatirons, Steam ironing. J. N. Polivka. 159,391, July 18.
Attachment for freezer units or the like, Counter. H. L. Ross. 159,394, July 18.
Attachment for telephone bases. J. P. Smyth. 160,224, Sept. 19.
Automobile. H. A. Darrin. 160,482, Oct. 17.
Automobile. F. Grafton. 160,492, Oct. 17.
Automobile. H. W. Russum. 159,099, June 20.
Automobile body. J. J. Chika. 161,000–1, Nov. 28.
Automobile bumper. M. J. O'Leary. 160,880, Nov. 14.
Automobile bumper and grille guard, Combined. A. Ross. 160,661, Oct. 24.
Automobile, Child's walking. L. I. Powell. 160,884, Nov. 14.
Automobile fender and rear quarter panel, Combined. R. J. Lauer. 158,104, Apr. 11.
Automobile hood ornament and display sign, Combination. J. W. Knight. 157,604, Mar. 7.
Automobile lock and lamp housing, Combined. H. T. Bannister. 160,457, Oct. 17.
Awning. R. L. Friend. 161,254, Dec. 19.
Awning or similar article. J. McGraw. 161,357, Dec. 26.
Awning, Rigid sheet metal. J. W. Snider and S. G. Domster. 157,295, Feb. 14.
Awning, Ventilated metal. C. E. Watson. 160,043. Sept. 5.
Awning with adjustable louvers. J. S. Phillips. 160,658, Oct. 24.
Baby carriage. W. Coraccio and J. C. Vitullo. 160,075, Sept. 12.
Baby carriage or similar article. R. S. Aries. 158,036–7, Apr. 11.
Backsplasher, Electric range. R. C. Sandin. 157,705, Mar. 14.
Backsplasher, Electric range. R. C. Sandin. 161,055, Nov. 28.
Badge or similar article. E. Bonner and E. Bowers. 157,333, Feb. 21.
Badge or similar article. H. M. Harter and J. Beaber. 159,611, Aug. 8.
Badge or similar article. F. McReynolds. 159,998, Sept. 5.
Badge or similar article. E. Will and A. E. Du Bois. 160,909, Nov. 14.
Bag. L. S. Schlessinger. 158,513, May 9.
Bag for clothespins or other articles. D. E. and J. H. Christopher. 158,442, May 9.
Bag, Garment. E. J. Sheridan. 158,135, Apr. 11.
Bag, Laundry. N. Davison. 158,446, May 9.
Bag or the like. O. L. Vines. 157,928, Mar. 28.
Bag or the like. O. L. Vines. 159,177, June 27.
Bag, Skate carrying. B. N. Chour. 159,471, Aug. 1.
Bag, Sleeping. J. Corrao. 158,556, May 16.
Bag, Waterproof carrying. L. C. Hosfield. 158,748, May 30.
Bait and lure, Combined. K. R. Larson. 156,749. Jan. 3.
Baker, Cooky. A. F. Alexander. 157,463, Feb. 28.
Baking unit for frankfurter sandwiches. F. Christie. 158,178–9, Apr. 18.
Balancing toy. W. G. Quick. 157,535, Feb. 28.
Band for a watch bracelet or similar article, Extensible. A. Benjamin. 159,183, July 4.
Band, Hair. E. K. Kuenstner. 158,103, Apr. 11.
Band or similar article, Expansible watch. K. Speck. 159,234–6, July 4.
Band or similar article. Extensible wrist watch. L. H. Knibb. 161,189, Dec. 12.
Band or similar article, Watch. J. Kreisler. 159,991, Sept. 5.
Band saw, Meat cutting. W. Lasar. 160,326, Oct. 3.
Bank. F. J. Castillo. 157,339, Feb. 21.
Bank, Coin savings. H. L. Cooper. 161,318, Dec. 26.
Bank or similar article, Savings. W. H. Blanks. 158,639, May 23.
Bank, Pig. G. Campbell and C. B. Smith. 158,931, June 13.
Bar, Towel. P. M. Pease. 159,513, Aug. 1.
Bar utensil, Combination. G. S. Iskyan. 160,605, Oct. 24.
Barbecue, Portable. E. Skelton. 159,759, Aug. 15.
Barometer, clock, humidity indicator, and thermometer, Combined. W. C. Eaves. 160,077, Sept. 12.
Barrette. A. M. Herschensohn. 156,830, Jan. 10.
Base and condiment shaker unit, Combined. R. W. Smith. 160,556, Oct. 17.
Base and cover for window locks, Supporting. A. J. Rochow. 156,767, Jan. 3.
Base for roller skates. W. S. Burton. 157,734, Mar. 21.
Base for tripods. R. C. Wilcox and B. H. Dalton. 160,679, Oct. 24.
Base, Lamp. L. V. Grant. 158,456, May 9.
Base or similar article, Fifth wheel. R. A. Braunberger. 157,335, Feb. 21.
Basket, Collapsible. A. Ellis. 159,790, Aug. 22.
Basket or similar article, Party. P. Klein. 160,178, Sept. 19.
Basket or similar article, Separable. M. Fridinger. 156,877, Jan. 17.
Basket or the like, Berry. H. G. Long. 158,479–80, May 9.
Basket, Party. J. Lattuca. 159,424, July 25.
Basket, Produce. W. R. J. Woock. 158,631, May 16.
Basket, Shipping. W. R. J. Woock. 158,827, May 30.
Basket, Wire. E. L. Dennis. 157,571, Mar. 7.
Bathroom unit, Combination. R. Evans. 161,326, Dec. 26.
Batn tub. J. C. Chaffin. 160,472, Oct. 17.
Bathtub. C. J. Rodman. 156,843, Jan. 10.
Bathtub. C. J. Rodman. 160,019, Sept. 5.
Bathing suit. F. Torok. 161,068–70, Nov. 28.
Beam, Metal. D. A. Palmer. 157,994, Apr. 4.
Beater or the like, Egg. H. C. Johnson. 157,955–6, Apr. 4.
Bed. S. Bevelacqua. 158,433, May 9.
Bed. A. Nero. 159,660, Aug. 8.
Bed and couch, Combination. R. W. Limpus. 159,995, Sept. 5.
Bed back, Hollywood. F. E. Maddux, Sr. 160,872, Nov. 14.
Bed, Cabinet. J. L. Godschalk. 159,608, Aug. 8.
Bed, chair, and exerciser, Combined. E. E. Socol. 159,688, Aug. 8.
Bed lamp and radio receiver, Combination. W. H. Silvers. 158,808, May 30.
Bedspread. J. M. Schloss. 159,229, July 4.
Bedstead. A. O. Belanger. 160,571, Oct. 24.
Bedstead or similar article. B. P. Sharp. 159,009, June 13.
Belt. M. Guzik. 158,572, May 16.
Belt. L. P. Hollander, Jr. 160,602, Oct. 24.
Belt. W. Jackson. 158,288, Apr. 25.
Belt, Plastic. K. Krasnow. 157,173, Feb. 7.
Bench and seesaw plank, Combination. L. L. Westcamp. 158,703, May 23.
Bench, Fireside. W. R. Bell. 159,947, Sept. 5.
Bench, Motor block. G. V. Johnsen. 160,606, Oct. 24.
Beret. I. Zelniker. 161,402, Dec. 26.
Bicycle. P. A. Baretta. 157,322. Feb. 21.
Bicycle. E. L. Dailey. 158,652, May 23.
Bicycle. H. W. Kranz. 160,402, Oct. 10.
Billfold. D. J. Broughton. 159,470, Aug. 1.
Billfold. J. Moss. 160,193. Sept. 19.
Billfold. H. B. Potter. 157,289–90, Feb. 14.
Billfold, coin purse, and cardcase, Combined. D. B. Jeffery. 161,264, Dec. 19.
Binoculars. J. N. Polivka. 158,010, Apr. 4.
Birdbath and sundial or similar article, Combined. V. A. R. Primavera. 159,441, July 25.
Bird house. D. A. Campbell. 158,650, May 23.
Bird house. N. P. Schur. 157,910, Mar. 28.
Blackboard. H. E. Steele. 158,527, May 9.
Blanket, Crib. E. A. Gunnill. 160,595–6, Oct. 24.
Block or similar article, Structural. W. J. Decker, Sr., and C. O. Kaiser. 159,255, July 11.
Block, Splash. R. F. Buchanan. 156,812, Jan. 10.
Blouse. M. Adler. 157,461, Feb. 28.
Blouse. J. Orloff. 159,362–88, July 18.
Blouse. J. Orloff. 159,434, July 25.
Blouse. J. Orloff. 159,750, Aug. 15.
Blouse. B. Thomas. 159,695, Aug. 8.
Blouse, Adjustable neckline. L. Kutchma. 159,736, Aug. 15.
Blouse or similar article. M. Gordon. 160,857, Nov. 14.
Blouse or similar article. L. Larssen. 156,750. Jan. 3.
Blouse or similar article. S. Lewis. 159,352–4, July 18.
Blouse or similar article. R. Masket. 159,500, Aug. 1.
Blouse or the like. P. Selznick. 160,437. Oct. 10.
Blouse with a reversible front. P. A. Landert. 159,158, June 27.
Blower or similar article, Cut hair. S. L. Ciulla. 160,922, Nov. 21.
Board or similar article, Writing. R. J. Cottier. 159,473, Aug. 1.
Boat. S. K. Cooper. 160,477–8, Oct. 17.
Boat. J. Smith. 160,027, Sept. 5.
Body for a helicopter. E. F. Katzenberger. 160,865, Nov. 14.
Bonnett. J. R. Robbins. 160,972, Nov. 21.
Bookcase. G. C. Phillips. 160,657, Oct. 24.
Book end. R. Engel. 158,057, Apr. 11.
Book end. D. C. Smith. 160,026, Sept. 5.
Bookend and vase or similar article, Combination. A. S. Leitner. 158,206, Apr. 18.
Book end or similar article. D. Greberman. 156,824, Jan. 10.
Book end or similar article, Half boot. A. S. Leitner. 160,637, Oct. 24.
Book or similar article, Dummy. R. Kent. 158,869, June 6.
Book, Picture autograph. A. T. Turpin. 159,763, Aug. 15.
Bookstand for Bible or similar article. M. C. Suhren. 160,900–3, Nov. 14.
Boot, Child's. E. R. Barron. 159,577, Aug. 8.
Boot jack and bottle opener or similar article, Combined. J. H. Brackin. 159,714, Aug. 15.
Boot or similar article, Rubber. M. Suyama. 158,910–11, June 6.
Boot or the like article, Child's rain. M. Kaye. 159,490, Aug. 1.
Boot, Rubber. J. F. Eldon. 161,094. Dec. 5.
Booth, Demonstration. R. D. Wasserman. 159,456, July 25.
Bottle. E. M. Cobb. 159,601, Aug. 8.

Bottle. E. L. Du Pree, Jr. 156,710, Jan. 3.
Bottle. P. Fantel. 158,365–7, May 2.
Bottle. P. Fantel. 158,450, May 9.
Bottle. R. M. Gammal. 156,722, Jan. 3.
Bottle. R. A. Gowdy. 157,042, Jan. 31.
Bottle. L. O. Graf. 157,488, Feb. 28.
Bottle. S. Heftler-Louiche. 158,279, Apr. 25.
Bottle. S. Heftler-Louiche. 158,380–1, May 2.
Bottle. W. T. Heintze. 160,942, Nov. 21.
Bottle. F. R. High. 156,957, Jan. 24.
Bottle. F. McIntosh. 160,407–8, Oct. 10.
Bottle. W. A. Nester. 158,213, Apr. 18.
Bottle. G. Piccoli. 160,209, Sept. 19.
Bottle. H. Riemerschmid. 160,660, Oct. 24.
Bottle. N. A. Schoelles. 157,091, Jan. 31.
Bottle. J. von Miklos. 157,451, Feb. 21.
Bottle. S. J. Wolf. 160,566. Oct. 17.
Bottle and applicator, Combined nail lacquer. I. R. Linnard. 160,093. Sept. 12.
Bottle and cap, Combined. N. Warren, Jr. 158,237, Apr. 18.
Bottle and dispenser, Combined. J. R. Crimmel. 157,662, Mar. 14.
Bottle, Barrel. L. T. Schiavon and B. A. Bauer. 159,228, July 4.
Bottle, Beverage. A. I. Lorenzen. 160,187, Sept. 19.
Bottle cap or the like. W. P. Margulies. 158,486, May 9.
Bottle cap remover and liquid measure, Combined. P. Mondy. 158,993, June 13.
Bottle, Flexible spray. J. B. Montenier. 157,508, Feb. 28.
Bottleholder, Baby's. D. M. Suich. 159,938–9, Aug. 29.
Bottleholder or similar article, Infant's. R. Miller. 160,192, Sept. 19.
Bottle hood, Preformed. H. C. Wentz, Jr. 157,714, Mar. 14.
Bottle opener and nut cracker, Combination. W. E. Frawley, Jr., and J. R. Frawley. 157,857, Mar. 28.
Bottle opener, screw driver, and lid opener, Combination. L. V. de Fee. 161,321, Dec. 26.
Bottle or similar article. F. Polime. 159,531, Aug. 1.
Bottle or the like. J. P. Guerlain. 158,071, Apr. 11.
Bottle or the like. G. Hoffman. 159,616, Aug. 8.
Bottle or the like. M. B. Sorribes. 159,133, June 27.
Bottle or the like, Toiletry. J. L. Livermore. 156,903, Jan. 17.
Bottle, Perfume. E. de Kolb. 158,557, May 16.
Bottle, Perfume. W. J. Overhamm. 160,653, Oct. 24.
Bottle, Perfume. J. Teague. 157,544, Feb. 28.
Bow, Sequin. I. Schlossberg. 159,395, July 18.
Bow tie. R. D. Sherwood. 157,444. Feb. 21.
Bowl. H. S. Konokawa. 158,975, June 13.
Bowl. G. Sakier. 158,014, Apr. 4.
Bowl. C. Wilkerson. 161,228, Dec. 12.
Bowl. M. G. Yutzey. 157,114, Jan. 31.
Bowl and nutcracker, Combined. E. J. Carlson. 158,932, June 13.
Bowl, Fish. E. A. Rice. 160,125, Sept. 12.
Bowl, Homogenizing. A. S. Levin. 157,766, Mar. 21.
Bowl or similar article. R. Y. Allen, M. and E. K. Shaw. 158,540, May 16.
Bowl or similar article. V. B. Evans. 156,716, Jan. 3.
Bowl or similar article, Glass. T. C. Heisey. 161,179, Dec. 12.
Bowl or similar article, Glass salad. A. J. Dreitzer. 159,191, July 4.
Bowl or the like, Salad. A. A. Blanch. 159,580, Aug. 8.
Bowl or the like, Sanitary. P. B. Lorenzen. 158,985, June 13.
Bowl, Oval. M. G. Yetzey. 160,829, Nov. 7.
Bowl, Sugar. R. G. Cowan. 160,770, Nov. 7.
Bowl, Sugar. E. S. Tupper. 156,855, Jan. 10.
Box. E. Dischler. 158,362, May 2.
Box. R. B. Edelmann. 157,575, Mar. 7.
Box. S. Heftler-Louiche. 159,205, July 4.
Box. G. F. Koester. 159,157, June 27.
Box. L. Rosenfield. 158,896, June 6.
Box. T. R. Stacey. 161,062, Nov. 28.
Box and display device, Combination. N. T. Baldanza. 159,884, Aug. 29.
Box, Card index. L. A. Wheeler. 157,455, Feb. 21.
Box, Cigarette. I. Silverman. 159,687, Aug. 8.
Box, Dispensing. B. Lench. 158,207, Apr. 18.
Box, Display. E. Opler. 157,080, Jan. 31.
Box, Fishing tackle. H. C. Felts and L. T. Bosserman. 158,368, May 2.
Box for a perfume bottle or similar article, Display. J. F. Shea. 157,638, Mar. 7.
Box for crayons and the like, Display. J. C. Foster. 159,331, July 18.
Box for medals or the like. A. E. Du Bois and R. R. Wilson. 159,964, Sept. 5.
Box for portable tools and accessories. E. F. Thomson. 161,067, Nov. 28.
Box, Frozen food. L. C. Warren, Jr. 159,766, Aug. 15.
Box, Gift. G. S. Gruber and K. N. Delany. 157,043, Jan. 31.
Box inlaid with mother-of-pearl. M. J. Ambrosino. 158,352, May 2.
Box, Jewelry. F. D'Alessandro. 156,869, Jan. 17.
Box, Jewelry. A. R. Cinami. 158,049, Apr. 11.
Box, Jewelry. M. Weill. 160,677–8, Oct. 24.

Box, Novelty covered. D. Chase. 160,999, Nov. 28.
Box or similar article. M. Friedman. 159,197, July 4.
Box or similar article. M. S. Skulnik. 157,797, Mar. 21.
Box or similar article. E. L. Warner. 156,789, Jan. 3.
Box or similar article, Ring. R. L. Chipman, Jr. 161,316, Dec. 26.
Box or similar article, Sample packaging. M. Sherman. 158,413, May 2.
Box or the like, Powder. B. Ulvad. 159,874, Aug. 22.
Box or the like, Utility. J. R. Watkins. 159,704, Aug. 8.
Box, Pedestal type electric outlet. C. du B. Arcularius. 157,119, Feb. 7.
Box, Ring. N. Barbieri. 158,545, May 16.
Box, Shadow. J. A. Bu Gay. 161,158, Dec. 12.
Box, Step. T. C. Bair. 157,319, Feb. 21.
Box, Utility. A. Wiesen. 157,311, Feb. 14.
Box, Weight. C. L. Otto. 158,119, Apr. 11.
Brace, Door. R. L. Long. 157,880, Mar. 28.
Brace, wrench, T-wrench, and ratchet, Combined. E. A. Heschel. 158,073. Apr. 11.
Bracelet. C. G. H. Harris. 158,661, May 23.
Bracelet. A. Katz. 156,740, Jan. 3.
Bracelet. W. Mueller. 160,416, Oct. 10.
Bracelet and cosmetic container, Combined. A. Flamand. 160,155, Sept. 19.
Bracelet and lipstick holder, Combined. A. Flamand. 160,154, Sept. 19.
Bracelet, Expansible. A. Castiglioni. 157,029, Jan. 31.
Bracelet, Expansible. M. Horovitz. 160,861, Nov. 14.
Bracelet, Expansible. C. T. Parisi. 160,008, Sept. 5.
Bracelet, Expansible. K. Speck. 159,936, Aug. 29.
Bracelet, Expansible watch. A. Albanese. 160,759, Nov. 7.
Bracelet, Extensible. J. J. Vastano. 158,157, Apr. 11.
Bracelet or similar article. P. Bardach. 160,242, Sept. 26.
Bracelet or similar article. H. Bogoff. 158,711, May 30.
Bracelet or similar article. M. Boucher. 161,309, Dec. 26.
Bracelet or similar article. M. Chernow. 158,355, May 2.
Bracelet or similar article. M. Chernow. 160,473, Oct. 17.
Bracelet or similar article. J. Fath. 160,152, Sept. 19.
Bracelet or similar article. A. Katz. 156,738–9, Jan. 3.
Bracelet or similar article. A. Katz. 156,897, Jan. 17.
Bracelet or similar article. A. Katz. 157,969, Apr. 4.
Bracelet or similar article. A. Katz. 158,588, May 16.
Bracelet or similar article. A. Katz. 158,750, May 30.
Bracelet or similar article. A. Katz. 158,752, May 30.
Bracelet or similar article. A. Katz. 158,756, May 30.
Bracelet or similar article. A. Katz. 158,759–60, May 30.
Bracelet or similar article. A. Katz. 158,762–3, May 30.
Bracelet or similar article. A. Katz. 159,266, July 11.
Bracelet or similar article. A. Katz. 159,626, Aug. 8.
Bracelet or similar article. A. Katz. 159,636, Aug. 8.
Bracelet or similar article. A. Katz. 160,613, Oct. 24.
Bracelet or similar article. A. Philippe. 157,283–4, Feb. 14.
Bracelet or similar article. A. Philippe. 157,287, Feb. 14.
Bracelet or similar article. A. Philippe. 157,518, Feb. 28.
Bracelet or similar article. A. Philippe. 157,533, Feb. 28.
Bracelet or similar article. A. Philippe. 158,007–8, Apr. 4.
Bracelet or similar article. A. Philippe. 158,324–5, Apr. 25.
Bracelet or similar article. A. Philippe. 159,850–1, Aug. 22.
Bracelet or similar article. A. Philippe. 159,857, Aug. 22.
Bracelet or similar article. A. Philippe. 160,208, Sept. 19.
Bracelet or similar article. A. Philippe. 160,271, Sept. 26.
Bracelet or similar article. A. Philippe. 160,423, Oct. 10.
Bracelet or similar article. A. Philippe. 160,429, Oct. 10.
Bracelet or similar article. A. Philippe. 160,958, Nov. 21.
Bracelet or similar article. A. Philippe. 161,049–50, Nov. 28.
Bracelet or similar article, Expansible. F. Ermer. 160,256, Sept. 26.
Bracelet or similar article, Expansible. S. Ritter. 160,542, Oct. 17.
Bracelet or similar article, Watch. K. C. Augenstein. 160,917, Nov. 21.
Bracelet or the like, Expansible. J. M. Bender. 159,318, July 18.
Bracelet or the like, Expansible. J. M. Bender. 161,303, Dec. 26.
Bracelet or the like, Expansible. M. Jacoby. 161,342, Dec. 26.
Bracelet, Watch. J. F. Sand. 160,893, Nov. 14.
Bracket. R. Katz. 157,170, Feb. 7.
Bracket, Drum. A. C. Della-Porta. 160,696, Oct. 31.
Bracket for bathroom fixtures. P. F. Simpson. 158,137, Apr. 11.
Bracket for bathroom fixtures. P. F. Simpson. 158,140, Apr. 11.
Bracket for bathroom fixtures. P. F. Simpson. 158,142, Apr. 11.
Bracket for bicycles, License plate. M. Morris. 159,747, Aug. 15.
Bracket for motor vehicle license plates. G. S. Cohen. 157,569, Mar. 7.
Bracket for rearview mirrors. G. C. Knight. 158,201, Apr. 18.

Bracket for screens, Tripod top. L. J. Du Mais. 158,252, Apr. 25.
Bracket, Lamp. H. Heidt. 159,809, Aug. 22.
Bracket, Mailbox supporting. F. P. Spencer. 160,028, Sept. 5.
Bracket or similar article, Hinged. W. M. Reithard. 157,088, Jan. 31.
Bracket, Utensil wall. E. P. Haglund. 158,377, May 2.
Bracket, Wall. C. Rehns. 157,000, Jan. 24.
Brake beam, Railway. R. B. Cottrell. 157,570, Mar. 7.
Brassière. J. A. Coleman. 156,700, Jan. 3.
Brassière. F. Desrochers. 159,143, June 27.
Brassière. O. Erteszek. 156,714, Jan. 3.
Brassière. I. Gimble and D. Musano. 158,851, June 6.
Brassière. I. Gimble and D. Musano. 159,148, June 27.
Brassière. C. Gubernick. 156,954, Jan. 24.
Brassière. H. G. Imön. 160,392, Oct. 10.
Brassière. Z. S. Keck. 156,742, Jan. 3.
Brassière. I. Koslovsky. 156,901, Jan. 17.
Brassière. H. P. Kurzman. 160,506, Oct. 17.
Brassière. T. Leser. 159,816, Aug. 22.
Brassière. M. Mayer. 158,676, May 23.
Brassière. E. C. McKeefrey. 159,505, Aug. 1.
Brassière. W. Rosenthal. 158,692, May 23.
Brassière. C. M. Sachs. 156,768, Jan. 3.
Brassière. L. Shulman. 159,686, Aug. 8.
Brassière, Nursing. E. Pépin. 159,094, June 20.
Brassière or similar article. M. Hollander. 160,389, Oct. 10.
Breakfront or similar article, Dining. W. C. Pahlmann. 157,781, Mar. 21.
Brewer, Beverage. H. Richards. 157,428, Feb. 21.
Broiler. C. B. Hobbs. 156,731, Jan. 3.
Broiler unit. M. I. Williams. 158,535, May 9.
Brooch. A. Murray. 158,995, June 13.
Brooch and watchcase, Combined. M. Boucher. 159,587–8, Aug. 8.
Brooch or similar article. H. Bogoff. 159,777–8, Aug. 22.
Brooch or similar article. M. Boucher. 159,591, Aug. 8.
Brooch or similar article. M. Boucher. 161,238, Dec. 19.
Brooch or similar article. M. Boucher. 161,240, Dec. 19.
Brooch or similar article. V. Di Mezza. 158,559–62, May 16.
Brooch or similar article. F. N. Jost. 160,394–5, Oct. 10.
Brooch or similar article. A. Katz. 156,887–8, Jan. 17.
Brooch or similar article. A. Katz. 156,898, Jan. 17.
Brooch or similar article. A. Katz. 156,964, Jan. 24.
Brooch or similar article. A. Katz. 157,160–1, Feb. 7.
Brooch or similar article. A. Katz. 157,165, Feb. 7.
Brooch or similar article. A. Katz. 157,169, Feb. 7.
Brooch or similar article. A. Katz. 157,603, Mar. 7.
Brooch or similar article. A. Katz. 157,963–8, Apr. 4.
Brooch or similar article. A. Katz. 157,970–5, Apr. 4.
Brooch or similar article. A. Katz. 158,080, Apr. 11.
Brooch or similar article. A. Katz. 158,084–94, Apr. 11.
Brooch or similar article. A. Katz. 158,387, May 2.
Brooch or similar article. A. Katz. 158,583, May 16.
Brooch or similar article. A. Katz. 158,590, May 16.
Brooch or similar article. A. Katz. 158,592, May 16.
Brooch or similar article. A. Katz. 158,754–5, May 30.
Brooch or similar article. A. Katz. 158,758, May 30.
Brooch or similar article. A. Katz. 158,764, May 30.
Brooch or similar article. A. Katz. 158,864–6, June 6.
Brooch or similar article. A. Katz. 158,868, June 6.
Brooch or similar article. A. Katz. 159,074, June 20.
Brooch or similar article. A. Katz. 159,077–8, June 20.
Brooch or similar article. A. Katz. 159,211, July 4.
Brooch or similar article. A. Katz. 159,267, July 11.
Brooch or similar article. A. Katz. 159,269–72, July 11.
Brooch or similar article. A. Katz. 159,274–5, July 11.
Brooch or similar article. A. Katz. 159,419, July 25.
Brooch or similar article. A. Katz. 159,627–9, Aug. 8.
Brooch or similar article. A. Katz. 159,633–4, Aug. 8.
Brooch or similar article. A. Katz. 159,638, Aug. 8.
Brooch or similar article. A. Katz. 159,642, Aug. 8.
Brooch or similar article. A. Katz. 160,610–11, Oct. 24.
Brooch or similar article. A. Katz. 160,615–16, Oct. 24.
Brooch or similar article. A. Katz. 160,619, Oct. 24.
Brooch or similar article. A. Katz. 160,621, Oct. 24.
Brooch or similar article. L. Kramer. 159,646, Aug. 8.
Brooch or similar article. A. Philippe. 156,761–3, Jan. 3.
Brooch or similar article. A. Philippe. 156,912–14, Jan. 17.
Brooch or similar article. A. Philippe. 156,995, Jan. 24.
Brooch or similar article. A. Philippe. 157,190, Feb. 7.
Brooch or similar article. A. Philippe. 157,192–201, Feb. 7.
Brooch or similar article. A. Philippe. 157,417–24, Feb. 21.
Brooch or similar article. A. Philippe. 157,522–5, Feb. 28.
Brooch or similar article. A. Philippe. 157,528–31, Feb. 28.
Brooch or similar article. A. Philippe. 157,785–7, Mar. 21.
Brooch or similar article. A. Philippe. 158,124–7, Apr. 11.
Brooch or similar article. A. Philippe. 158,315, Apr. 25.
Brooch or similar article. A. Philippe. 158,317–19, Apr. 25.
Brooch or similar article. A. Philippe. 158,402, May 2.
Brooch or similar article. A. Philippe. 158,609–10, May 16.
Brooch or similar article. A. Philippe. 158,787, May 30.
Brooch or similar article. A. Philippe. 158,789–91, May 30.
Brooch or similar article. A. Philippe. 159,436, July 25.
Brooch or similar article. A. Philippe. 159,516–21, Aug. 1.
Brooch or similar article. A. Philippe. 159,525–30, Aug. 1
Brooch or similar article. A. Philippe. 159,838–9, Aug. 22.
Brooch or similar article. A. Phillipe. 159,842–3, Aug. 22.
Brooch or similar article. A. Philippe. 159,845–9, Aug. 22.
Brooch or similar article. A. Philippe. 159,922–5, Aug. 29.
Brooch or similar article. A. Philippe. 160,115–20, Sept. 12.
Brooch or similar article. A. Philippe. 160,201–03, Sept. 19.
Brooch or similar article. A. Philippe. 160,334, Oct. 3.
Brooch or similar article. A. Philippe. 160,424, Oct. 10.
Brooch or similar article. A. Philippe. 160,961–4, Nov. 21.
Brooch or similar article. A. Philippe. 160,966–7, Nov. 21.
Brooch or similar article. H. R. Young. 159,126, June 20.
Brooch or similar article, Separable. A. Katz. 156,891, Jan. 17.
Brooch or similar article, Separable. A. Katz. 156,895–6, Jan. 17.
Brooch or similar article, Separable. A. Katz. 156,965, Jan. 24.
Brooch or similar article, Separable. A. Katz. 156,967–71, Jan. 24.
Brooch or similar article, Separable. A. Katz. 157,157–9, Feb. 7.
Brooch or similar article, Separable. A. Katz. 157,164, Feb. 7.
Brooch or similar article, Separable. A. Katz. 159,632, Aug. 8.
Brooch or similar article, Separable. A. Philippe. 161,043, Nov. 28.
Brooch, Perfume container. P. Bardach. 158,546, May 16.
Brush. S. J. Langer. 157,058, Jan. 31.
Brush. M. J. McDonald. 159,358, July 18.
Brush. A. R. Racicot. 160,736, Oct. 31.
Brush, Bath. E. L. H. Cosby, Jr. 158,250, Apr. 25.
Brush, Bath. G. H. Moser. 160,415, Oct. 10.
Brush, Denture. L. C. Nugent. 160,651, Oct. 24.
Brush drip guard and hanger, Combination. M. J. Marty. 158,211, Apr. 18.
Brush, Fountain. J. G. Gregory. 159,979, Sept. 5.
Brush holder and paste dispenser, Combination. C. W. Ward. 157,307, Feb. 14.
Brush or similar article, Bathtub. L. M. Atwood. 159,243, July 11.
Brush or the like, Hand. M. A. Chesney. 158,176, Apr. 18.
Brush, Shaving. F. J. Collins. 158,728, May 30.
Bucket, Bait. R. M. Brankstone. 158,045, Apr. 11.
Bucket or the like, Ice. M. S. Ziskin and R. B. Billig. 161,298, Dec. 19.
Buckle. C. A. Muller. 157,888, Mar. 28.
Buckle. H. D. White. 157,808–9, Mar. 21.
Buckle. H. D. White. 157,811–12, Mar. 21.
Buckle. H. D. White. 157,814–16, Mar. 21.
Buckle and picture container, Combined separable. M. Halio. 161,175, Dec. 12.
Buckle, belt. J. Bechelli. 157,935, Apr. 4.
Buckle, Belt. J. A. Doughtie, Jr. 158,563, May 16.
Buckle, Belt. V. T. Howard. 159,621, Aug. 8.
Buckle, Belt. J. S. Justin, Jr. 157,263, Feb. 14.
Buckle, Belt. J. S. Justin, Jr. 157,958, Apr. 4.
Buckle, Belt. K. Krasnow. 157,382, Feb. 21.
Buckle, Belt. C. D. McDonald. 159,284, July 11.
Buckle, Belt. D. D. Yarbrough. 159,033, June 13.
Buckle or similar article, Belt. E. A. Davis. 160,579, Oct. 24.
Buckle or similar article, Belt. G. A. Thoresen. 160,673, Oct. 24.
Buckle or similar article, Lingerie. C. Lombardi. 157,386, Feb. 21.
Buffer, Technician's. F. J. Omo. 157,186, Feb. 7.
Buffet. L. Jiranek. 159,488, Aug. 1.
Building. M. M. Boonin. 157,026–7, Jan. 31.
Building. G. Pafume. 159,224, July 4.
Building. A. O. Wupperman. 158,427, May 2.
Building, Farm. J. E. Lang. 160,325, Oct. 3.
Building, Roadside store. A. J. Grossniklaus. 158,373, May 2.
Building structure. G. D. Tesch. 157,449, Feb. 21.
Bumper, Automobile. E. O. Sheard. 159,230, July 4.
Bumper, Automotive vehicle. N. F. Nickles. 160,522, Oct. 17.
Bumper guard and fog light, Combination. W. B. R. Bell. 157,326, Feb. 21.
Bumper, Motorcycle. C. Powers. 157,427, Feb. 21.
Burner for paint or the like, Utility. A. E. D'Harlingue. 161,323, Dec. 26.
Burner, Oil. H. O. Grimmeisen. 159,200, July 4.
Butterer and salter, Combined corn-on-cob. M. N. Mossel. 159,748, Aug. 15.

Button or similar article. L. Sloane. 158,018, Apr. 4.
Button or similar article, Cuff. O. Grun. 159,610, Aug. 8.
Cab, Crane. T. L. Hammond. 157,864, Mar. 28.
Cab for cranes, Operator's. E. L. Collin. 157,942, Apr. 4.
Cab, Vehicle. J. G. Macdonald. 159,913, Aug. 29.
Cabinet. S. E. Adler. 159,573, Aug. 8.
Cabinet, Advertising. L. H. Goldman. 160,937, Nov. 21.
Cabinet and stool therefor, Combined sewing machine. E. K. Raichert. 159,534, Aug. 1.
Cabinet, Brush. S. L. Gerson. 161,014, Nov. 28.
Cabinet, Combination radio and phonograph. S. E. Adler. 157,557, Mar. 7.
Cabinet, Combination radio-phonograph table. W. Schier and D. L. Doggett. 159,539, Aug. 1.
Cabinet, Combination television, radio, phonograph. J. McRae. 160,727, Oct. 31.
Cabinet, Combined radio-phonograph and television. S. E. Adler. 158,538, May 16.
Cabinet, Combined radio, phonograph, and television. R. Prince. 158,327, Apr. 25.
Cabinet, Composite. C. Chadwick. 158,598, Aug. 8.
Cabinet, Convector. J. Teague. 159,017, June 13.
Cabinet, Desk. R. Gerth. 158,066, Apr. 11.
Cabinet, Dictating machine. A. C. De Napoli, Jr., and R. Spilman. 157,242, Feb. 14.
Cabinet, Dictating machine transcriber. A. C. De Napoli, Jr., and R. Spilman. 157,350, Feb. 21.
Cabinet, Display. S. V. Bacco and M. McVickar. 157,024, Jan. 31.
Cabinet, Display. E. F. Bjoro and J. M. Fisher. 159,320, July 18.
Cabinet, Display. E. F. Bjoro and J. M. Fisher. 160,360, Oct. 10.
Cabinet, Display. J. Evans. 157,247, Feb. 14.
Cabinet, Display. K. W. Olson. 159,511, Aug. 1.
Cabinet, Display. A. P. Swanson. 159,559–60, Aug. 1.
Cabinet, Display L. Winter. 158,825, May 30.
Cabinet, Doll collector's. W. S. Gass. 158,951, June 13.
Cabinet, Electrosurgical. G. P. Goode. 159,332, July 18.
Cabinet, Filing. E. C. Reinheimer and E. R. Davis. 160,123, Sept. 12.
Cabinet for a heater or the like. L. H. Wilson. 161,145–7, Dec. 5.
Cabinet for a microfilm recorder or the like. T. R. Perzentka. 157,281, Feb. 14.
Cabinet for a radio receiver. C. Reynolds, Jr. 160,537–8, Oct. 17.
Cabinet for a radio receiver. C. Reynolds, Jr. 160,740, Oct. 31.
Cabinet for a television receiver. P. Schladermundt and C. L. Metzler. 158,618, May 16.
Cabinet for an electronic calculator. G. H. Kress. 158,768, May 30.
Cabinet for bottle vending machine. C. E. Miller. 158,212, Apr. 18.
Cabinet for brew-dispensing establishments, Barrel-enclosing. A. H. Patch. 157,782, Mar. 21.
Cabinet for printing plates. R. L. Franklin. 159,412, July 25.
Cabinet, Freezer. G. Orley. 156,760, Jan. 3.
Cabinet, Intercommunication telephone station. O. Plawczyk. 158,128, Apr. 11.
Cabinet, Lubricating equipment. A. F. Dean and D. C. Peterson. 158,729, May 30.
Cabinet, Lubricating equipment. A. F. Dean and D. C. Peterson. 160,580, Oct. 24.
Cabinet, Lubricator. T. L. Hand. 156,881, Jan. 17.
Cabinet, Open front display. F. B. and F. W. Keuthan. 159,644, Aug. 8.
Cabinet or similar article, Book and magazine. G. E. Coupland. 160,578, Oct. 24.
Cabinet or similar article, Merchandising display. A. C. Wesche. 158,534, May 9.
Cabinet or similar article, Radio. E. Durst. 159,896, Aug. 29.
Cabinet or similar article, Refrigerator. R. Loewy. 159,996, Sept. 5.
Cabinet or the like, Air conditioner. J. M. Lewis. 156,902, Jan. 17.
Cabinet or the like, Dishwasher. E. H. Daniels. 157,240, Feb. 14.
Cabinet or the like, Vanity. M. A. Francis. 157,362, Feb. 21.
Cabinet, Portable radio receiver. C. Reynolds, Jr. 160,742, Oct. 31.
Cabinet, Printing plate. R. L. Franklin. 159,411, July 25.
Cabinet, Printing telegraph apparatus. G. C. Gettelman 159,799–800, Aug. 22.
Cabinet, Printing telegraph apparatus. R. H. Hose and R. A. Larsson. 160,497–8, Oct. 17.
Cabinet, Radio. S. E. Adler. 159,460, Aug. 1.
Cabinet, Radio. R. D. Budlong. 157,338, Feb. 21.
Cabinet, Radio. R. D. Budlong. 161,311, Dec. 26.
Cabinet, Radio. W. J. Condon. 159,050, June 20.
Cabinet, Radio. J. De Young. 157,352, Feb. 21.
Cabinet, Radio. J. De Young. 157,572–4, Mar. 7.
Cabinet, Radio. K. Emde. 156,821, Jan. 10.
Cabinet, Radio. K. Emde and H. H. Steglich. 157,354, Feb. 21.
Cabinet, Radio. L. J. Griffin. 159,484, Aug. 1.
Cabinet, Radio. J. P. Marcy. 161,355, Dec. 26.
Cabinet, Radio-phonograph and television. S. E. Adler. 158,351, May 2.
Cabinet, Radio receiver. D. Painter. 158,783, May 30.
Cabinet, Radio receiver. D. Painter. 159,435, July 25.
Cabinet, Radio receiver. D. Painter. 161,364, Dec. 26.
Cabinet, Radio receiver. C. Reynolds, Jr. 160,741, Oct. 31.
Cabinet, Radio receiver. C. Reynolds, Jr. 160,970, Nov. 21.
Cabinet, Radio television. R. D. Budlong and J. De Young. 160,068, Sept. 12.
Cabinet, Refrigerator. J. M. Little. 157,768, Mar. 21.
Cabinet, Refrigerator. C. W. Sundberg and M. Ferar. 158,150, Apr. 11.
Cabinet, Sewing-machine. J. U. von der Lancken. 157,926, Mar. 28.
Cabinet, Signal light telltale panel. J. V. Schraig. 159,007, June 13.
Cabinet, Television. S. E. Adler. 157,462, Feb. 28.
Cabinet, Television. S. E. Adler. 158,539, May 16.
Cabinet, Television. S. E. Adler. 158,707, May 30.
Cabinet, Television. S. E. Adler. 159,461–4, Aug. 1.
Cabinet, Television. S. E. Adler. 159,572, Aug. 8.
Cabinet, Television. S. E. Adler. 159,574, Aug. 8.
Cabinet, Television. S. E. Adler. 160,683, Oct. 31.
Cabinet, Television. R. A. Carrier. 161,245, Dec. 19.
Cabinet, Television. L. G. Stone. 158,337, Apr. 25.
Cabinet, Television receiver. S. E. Adler. 159,459, Aug. 1.
Cabinet, Television receiver. W. H. Clingman. 159,140, June 27.
Cabinet, Television receiver. W. H. Clingman. 160,474, Oct. 17.
Cabinet, Television receiver. W. H. Clingman. 161,317, Dec. 26.
Cabinet, Television receiver. D. Painter. 159,161, June 27.
Cabinet, Temperature-controlled vending. F. A. Ossanna, Jr. 161,121, Dec. 5.
Cabinet, Ticket receiving. M. H. London. 157,692, Mar. 14.
Cabinet, Toilet tank. K. C. and G. M. Baker. 161,152, Dec. 12.
Cabinet, Tool. A. P. Fox and A. D. Reisert. 157,482, Feb. 28.
Cabinet, Vending machine. H. N. Kinne. 156,972–3, Jan. 24.
Cabinet, X-ray control. E. B. Graves. 159,061, June 20.
Cake. G. R. Eib. 157,134, Feb. 7.
Calculating machine, Record controlled. C. W. Sundberg and G. H. Kress. 158,814, May 30.
Camera. A. H. Crapsey, Jr. 160,925–6, Nov. 21.
Camera. D. E. Grove. 160,858, Nov. 14.
Camera. W. W. Ward. 160,351, Oct. 3.
Camera, Miniature. D. Chapman. 160,300, Oct. 3.
Camera, Motion-picture. F. Lustig and H. E. Nelson. 160,188, Sept. 19.
Camera, Photographic. H. Dreyfuss. 157,847–8, Mar. 28.
Camera stand and photographic lamp holder, Combined. N. Frazier. 160,587, Oct. 24.
Camisole and slip, Combined. H. Colton. 157,031, Jan. 31.
Can. J. Schmidt. 158,332, Apr. 25.
Can cover and dispenser for liquids, Combination. L. M. Baker. 157,320, Feb. 21.
Can opener, bottle opener, and spoon, Combination. L. V. de Fee. 160,695, Oct. 31.
Can or similar receptacle. R. R. Barber and B. A. Raetsch. 159,712, Aug. 15.
Can, Water. R. V. Tompkins. 158,914, June 6.
Canasta board. R. Jacob. 158,962, June 13.
Candelabra. M. G. Yutzey. 159,768, Aug. 15.
Candle, Electric glow. G. W. Strayline. 158,146, Apr. 11.
Candlestick. G. Sakier. 159,756–7, Aug. 15.
Candlestick or similar article. H. and L. S. Denby. 159,189, July 4.
Candy confection. A. Bianchi. 157,728, Mar. 21.
Candy confection. S. Klein 157,873, Mar. 28.
Canister unit. L. G. Edmonson. 160,846, Nov. 14.
Canopy or similar article, Cooking stove. R. Sonntag. 156,922, Jan. 17.
Canopy or similar article. Kitchen range ventilating. J. H. Sonntag. 157,296, Feb. 14.
Cap and wick fountain brush, Combination. M. Huzarsky. 159,340, July 18.
Cap, Bottle. G. L. Bolard. 157,332, Feb. 21.
Cap, Bottle. L. Medgyes. 157,065, Jan. 31.
Cap, Bottle. A. Perlman. 160,881, Nov. 14.
Cap, Clothesline pole. J. F. Reith. 158,130, Apr. 11.
Cap, Container. A. H. Jung. 157,262, Feb. 14.
Cap, Container. A. H. Jung. 157,683, Mar. 14.
Cap for a jar, Measuring. H. C. Gessler. 159,797, Aug. 22.
Cap for a milk bottle, Pouring. J. Beseke. 157,328, Feb. 21.
Cap, Gas tank. G. C. Knight. 157,279, Feb. 21.
Cap, Golf. B. Levine. 160,404, Oct. 10.
Cap, Milk bottle. J. J. Detzel. 160,485, Oct. 17.
Cap or similar article. R. R. Eratico. 157,356, Feb. 21.
Cap or the like. H. S. Lazarus. 157,177, Feb. 7.
Cap or the like, Utility. T. Gilman. 159,801, Aug. 22.
Cap, Receptacle sealing. E. H. Fabrice. 157,475, Feb. 28.
Cap unit, Valve operating spray nozzle. J. C. Crowley. 160,927, Nov. 21.

Car, Amusement. L. E. Blue and V. F. Hodges. 161,308, Dec. 26.
Car, Railway observation. C. B. Stevens. 159,107, June 20.
Carafe. E. L. Lilja. 160,186, Sept. 19.
Card for a deck of playing cards, Joker. C. H. Edison. 159,898, Aug. 29.
Card, Greeting. J. Johnson. 159,343, July 18.
Card or the like, Display. J. Silson. 157,009, Jan. 24.
Card or the like, Greeting. E. J. Jones. 158,666–7, May 23.
Carpet. R. Fleck. 157,359, Feb. 21.
Carpet or similar article. R. S. Feirberg. 160,153, Sept. 19.
Carpet or the like. C. D. Lehner. 157,060, Jan. 31.
Carrier, Baker's bowl. V. E. Ackles. 157,723, Mar. 21.
Carrier, Bottle. G. M. Acton. 157,316, Feb. 21.
Carrier, Bottle. M. W. Bowersox. 159,595, Aug. 8.
Carrier, Bottle. J. F. Eder and G. H. Wilcox. 158,183, Apr. 18.
Carrier, Bottle. L. C. Jones and G. H. Shirley. 160,608, Oct. 24.
Carrier, Bottle. W. A. Ringler. 159,666, Aug. 8.
Carrier, Bottle. O. L. Vines. 160,564, Oct. 17.
Carrier, Bulk materials. R. M. Iversen. 158,383–4, May 2.
Carrier, Fish lure. L. B. Stratman and F. W. Newton. 161,065, Nov. 28.
Carrier, Golf club. H. W. Darr. 161,249, Dec. 19.
Carrier, Jar. R. A. Levy. 158,477, May 9.
Carrier or similar article, Bottle. J. A. Lamprecht. 160,634, Oct. 24.
Carrier-rack for fruit jars or the like. E. F. Smith. 160,896, Nov. 14.
Cart, Log and wood. A. J. Bowman. 158,044, Apr. 11.
Cart or similar article, Shopping. G. W. Concklin. 156,701–2, Jan. 3.
Cart, Pony. O. A. Dammeyer. 157,944, Apr. 4.
Cart, Shopping. A. V. Hansa. 161,103, Dec. 5.
Cart, Utility. R. L. Brownlee. 156,810, Jan. 10.
Cart, Vacuum cleaner. C. D. Reece. 160,659, Oct. 24.
Carton, Display. J. G. Fettinger. 158,370, May 2.
Carton, Display. G. P. Hull and G. S. Shield. 157,260, Feb. 14.
Carton or similar article, Tomato packaging. W. B. Hirshon. 158,463, May 9.
Carving board and juice receiver, Combined. S. Zekowski. 159,881, Aug. 22.
Case, Bottle. D. R. Branen. 157,731, Mar. 21.
Case, Bracelet. W. C. Boots. 159,581, Aug. 8.
Case, Calendar. G. Drazan. 157,472, Feb. 28.
Case, Camera. F. Lustig. 160,189, Sept. 19.
Case, Clock. A. E. Koplar. 160,868, Nov. 14.
Case, Display. M. J. Belsky. 159,887, Aug. 29.
Case, Earring display. A. H. Leissing. 158,205, Apr. 18.
Case, Fishing rod and reel. D. N. Mowat. 160,520, Oct. 17.
Case, Flush mounted instrument. O. Fischer. 160,699, Oct. 31.
Case for a photographic exposure meter. R. J. Kingsnorth. 157,378, Feb. 21.
Case for electric hand saw and other portable tools, Carrying. R. G. Platt. 159,296, July 11.
Case for photographic light meters, Carrying. H. Rosenthal. 156,918, Jan. 17.
Case for self-service gasoline pumps, Meter. E. J. O'Toole. 157,279, Feb. 14.
Case for transfers or the like. N. Jardine. 158,860, June 6.
Case for watchman's clock. H. E. Hobby. 161,338, Dec. 26.
Case, Hand luggage. O. J. Ohanian. 159,749, Aug. 15.
Case, Jewel. P. Fox. 157,139, Feb. 7.
Case, Jewel. W. F. Hess. 160,319, Oct. 3.
Case, Jewelry. H. Chase. 158,651, May 23.
Case, Luggage. I. R. Alpert. 159,128, June 27.
Case, Motion-picture projector carrying. F. Lustig. 160,100, Sept. 12.
Case or similar article, Clock. L. Glosband. 159,902, Aug. 29.
Case or similar article, Hosiery. F. Handlen. 158,378, May 2.
Case or similar article, Luggage. D. W. Hawley. 159,203, July 4.
Case or similar article, Pin-up spectacle. D. D. Dixon. 157,742, Mar. 21.
Case or similar article, Spectacle. P. Klein. 158,670, May 23.
Case or similar article, Wrist watch. L. M. Newhouse. 159,289, July 11.
Case or similar article, Wrist watch. F. Warren. 159,306, July 11.
Case, Piano. W. Millington and W. M. Day. 159,506, Aug. 1.
Case, Piano. W. Millington and W. M. Day. 160,106, Sept. 12.
Case piece or similar article, Utility. K. Burgold. 158,930, June 13.
Case, Safety razor. M. J. Shnitzler. 159,870, Aug. 22.
Case, Spectacle. A. I. Krieger. 159,080, June 20.
Case, Traveling. A. Knell. 160,949, Nov. 21.
Case, Vanity. A. P. Conant. 160,924, Nov. 21.
Case, Vanity. M. M. Spitalny. 159,689, Aug. 8.
Case, Watch. M. B. Moshel. 160,000, Sept. 5.
Casing and reminder pad, Combined. P. A. Bucky. 160,366, Oct. 10.
Casing, Clock. F. H. Fisher. 161,169, Dec. 12.
Casing, Clock. F. Lux. 157,881, Mar. 28.
Casing, Combined parking lamp and air scoop. A. Ross. 157,623, Mar. 7.
Casing, Control instrument. C. G. Kronmiller. 157,687, Mar. 14.
Casing, Corner-positionable heater. J. L. Heiman. 157,489, Feb. 28.
Casing, Date stamp. J. F. Fleming. 158,186, Apr. 18.
Casing, Door closer. S. F. Rolph. 161,209, Dec. 12.
Casing, Fan. C. E. Jones and R. H. Crowle. 160,709, Oct. 31.
Casing for a beverage dispenser. R. A. Lambert. 158,673, May 23.
Casing for a beverage preparing machine, External. G. R. Oakmont. 160,523, Oct. 17.
Casing for a hand-driven- address- printing machine. C. O. Lamm. 156,748, Jan. 3.
Casing for a mine-lamp battery or similar article. W. Y. Stamper. 159,170, June 27.
Casing for a portable rubbing machine, Motor. R. J. Champayne. 160,997, Nov. 28.
Casing for a space heater or similar article. P. A. Jones. 159,489, Aug. 1.
Casing for a surface treating machine. A. O. Engberg. 160,307, Oct. 3.
Casing for a thermostat, or the like. J. Roos, Jr. 157,537, Feb. 28.
Casing for a washing machine. A. M. Law. 160,265, Sept. 26.
Casing for a writing instrument. A. W. Doux. 157,471, Feb. 28.
Casing for an electric shaver. I. Jepson. 159,069, June 20.
Casing for automobile directional signal. R. Daon. 157,349, Feb. 21.
Casing for cigarette lighter, lipstick, or similar article. M. Roth. 157,207, Feb. 7.
Casing for door closer. H. C. Shead. 160,747, Oct. 31.
Casing for food serving equipment. A. D. Altemiller. 161,299, Dec. 26.
Casing for measuring and controlling instruments. W. P. Wills. 158,239, Apr. 18.
Casing for toaster. I. Jepson. 161,265, Dec. 19.
Casing head, Oil well. D. C. Warren. 157,807, Mar. 21.
Casing, Heater. B. Spieth. 158,525, May 9.
Casing, Lipstick holder. P. Libson. 158,396, May 2.
Casing or similar article, Lamp. P. O. Wright. 156,798, Jan. 3.
Casing, Pneumatic tire. G. W. Anderson. 157,118, Feb. 7.
Casing section, Toaster. J. N. Polivka, G. T. Scharfenberg, and V. M. Butterfield. 156,997, Jan. 24.
Casket, Burial. F. T. Paden. 158,120, Apr. 11.
Casket, Burial. P. Schladermundt. 161,380–5, Dec. 26.
Cat or similar article. C. J. Wintergreen and L. C. Oliver. 158,826, May 30.
Centerpiece. W. T. Heintze and A. T. Donahue. 160,943, Nov. 21.
Centerpiece or similar article, Decorative. M. Fridinger. 156,878, Jan. 17.
Centerpiece, Table. L. J. Pyle and M. H. Schell. 158,503, May 9.
Chain, Bracelet. J. F. Sand. 157,632, Mar. 7.
Chain, Expansible. J. F. Sand. 160,214, Sept. 19.
Chain for a bracelet or similar article. A. Pinson. 159,001, June 13.
Chain for a bracelet or similar article, Expansible. K. C. Augenstein. 158,633, May 23.
Chain for a bracelet or similar article, Expansible. K. C. Augenstein. 160,358, Oct. 10.
Chain for a bracelet or similar article, Expansible. S. Ritter. 161,378, Dec. 26.
Chain for a bracelet or similar article, Link. M. Chernow. 157,237, Feb. 14.
Chain for a bracelet or similar article, Link. M. Chernow. 157,342, Feb. 21.
Chain for a bracelet or similar article, Link. M. Chernow. 157,841, Mar. 28.
Chain for a bracelet or similar article, Link. M. Chernow. 158,839, June 6.
Chain for a bracelet or similar article, Link. M. Chernow. 161,314, Dec. 26.
Chain for a bracelet or similar article, Link. S. Ritter. 160,971, Nov. 21.
Chain for a bracelet or similar article, Link. J. Schulz. 157,293, Feb. 14.
Chain for a bracelet or similar article, Ornamental. R. E. Kunzmann. 159,079, June 20.
Chain for a bracelet or the like, Expansible link. J. M. Bender. 158,548, May 16.
Chain for a bracelet or the like, Expansible link. E. Rodriguez. 158,410, May 2.
Chain for a bracelet or the like, Expansible link. E. Rodriguez. 160,274–7, Sept. 26.
Chain for a bracelet or the like, Lazy-tongs expansible link. J. M. Bender. 159,317, July 18.
Chain for a bracelet or the like, Link. J. F. Sand. 158,411, May 2.
Chain for a necklace or similar article. F. A. Dieterich. 157,132, Feb. 7.

Chain for a necklace or similar article. F. A. Dieterich. 157,243–4, Feb. 14.
Chain for a necklace or similar article, Link. M. Chernow. 157,568, Mar. 7.
Chain for a necklace or similar article, Link. A. Philippe. 160,968, Nov. 21.
Chain, Jewelry. P. Bardach. 156,804–06, Jan. 10.
Chain, Jewelry. P. Bardach. 158,635, May 23.
Chain, Jewelry. P. Bardach. 160,241, Sept. 26.
Chain, Jewelry. E. W. Deines. 160,775, Nov. 7.
Chain or similar article, Vest. J. W. Wolfenden. 161,074, Nov. 28.
Chain, Ornamental. G. Armbrust. 156,802, Jan. 10.
Chain, Tire. D. M. Harvey. 157,151, Feb. 7.
Chair. S. Bevelacqua. 157,655, Mar. 14.
Chair. J. Farkas, Jr. 157,478, Feb. 28.
Chair. J. V. Faust. 156,947, Jan. 24.
Chair. J. F. Laskowitz. 157,269, Feb. 14.
Chair. H. T. McNeill. 156,835, Jan. 10.
Chair. M. J. Mikkelson. 160,409, Oct. 10.
Chair. H. Sebel. 160,816, Nov. 7.
Chair. W. I. Smith. 157,447, Feb. 21.
Chair. C. F. Williams. 157,225, Feb. 7.
Chair, Adjustable. F. Collura. 161,164, Dec. 12.
Chair and costumer, Combination. E. Belmont. 156,691, Jan. 3.
Chair and desk, or similar article, Combination. M. E. Brafman. 156,695, Jan. 3.
Chair, Child's. N. C. Peppin. 157,697, Mar. 14.
Chair, Child's tray. J. A. Kahan. 157,959, Apr. 4.
Chair, Folding. C. T. Carlson. 156,935, Jan. 24.
Chair, Folding. R. G. Cudini. 158,841, June 6.
Chair, Folding. W. E. Nordmark. 160,006, Sept. 5.
Chair for children. R. Kurtzman. 158,472, May 9.
Chair, Infant's attachable. L. T. and E. W. Buehler. 156,697, Jan. 3.
Chair, Juvenile. H. H. Melzian. 157,066, Jan. 31.
Chair, Lounging. L. Favilla. 158,059, Apr. 11.
Chair or similar article. P. R. Hubbell. 160,603, Oct. 24.
Chair or similar article. V. A. R. Primavera. 156,764, Jan. 3.
Chair or similar article. J. Sternberg. 159,760, Aug. 15.
Chair or similar article. D. A. Wallance. 156,857, Jan. 10.
Chair or similar article, Reclining. L. R. Centerbar. 160,368, Oct. 10.
Chair or the like. J. P. Sacks. 159,537, Aug. 1.
Chair or the like. E. Saarinen. 158,508–10, May 9.
Chair or the like, Dinette. H. Ritts. 158,506, May 9.
Chair, Reclining garden. A. M. Cohan. 158,443, May 9.
Chair, Rocking. R. W. Limpus. 160,092, Sept. 12.
Chaise lounge or the like. M. F. Adkins. 158,429, May 9.
Change-maker. E. F. Leese. 159,425, July 25.
Charm or similar article. E. Frank. 157,581, Mar. 7.
Charm or the like article, Spinning. S. Zweig. 157,313–14, Feb. 14.
Chess piece. S. C. Schlossberg. 158,514–18, May 9.
Chest. O. J. Mitchell. 161,360, Dec. 26.
Chest, Clothes. O. Mannen. 157,990, Apr. 4.
Chest of drawers. E. Herrmann. 157,867, Mar. 28.
Chest, Silverware. M. I. Naken. 157,776, Mar. 21.
Chiffonier. H. A. Thede. 157,302, Feb. 14.
Chimney for kerosene lamps. S. Scherr and F. E. Smith. 158,512, May 9.
Chocolate rabbit. R. M. Palmer. 157,621, Mar. 7.
Choker or similar article. H. Bogoff. 160,141–2, Sept. 19.
Chopper, Food. C. L. Otto. 160,331, Oct. 3.
Chopper, Food. H. A. Wormeck and F. P. Hess. 157,553, Feb. 28.
Chopper, Meat. V. G. Biro. 157,465, Feb. 28.
Chopping block and bowl, Combination vegetable. P. F. Boeye. 157,123, Feb. 7.
Christmas stocking. L. Margolin. 159,218, July 4.
Christmas tree or similar article, Separable. M. Fridinger. 161,170, Dec. 12.
Cigar band, Reversible. J. Swarbrick. 160,562, Oct. 17.
Cigarette box and ash tray, Combination. L. Craven. 157,129, Feb. 7.
Cigarette box or similar article. V. B. Evans. 156,717, Jan. 3.
Cigarette case and lighter, Combined. M. Forman. 156,949, Jan. 24.
Cigarette container and ash tray, Combination. H. S. Hoggatt. 157,681, Mar. 14.
Cigarette container, lighter, and ash tray, Combination. R. P. Wagner. 160,287, Sept. 26.
Cigarette dispenser and ash tray, Combination. M. H. Colman. 161,003, Nov. 28.
Cigarette dispenser and savings bank, Combination. M. J. Auerbach. 159,313, July 18.
Cigarette dispenser, ash tray, and penrack, Combination. E. Hamalainen. 158,188, Apr. 18.
Cigarette lighter and clock, Combined. I. Florman. 156,875, Jan. 17.
Circuit breaker. A. van Ryan. 159,112, June 20.
Circulator, Air. J. Palma, Jr. 157,406, Feb. 21.
Circulator, Air. F. Se Bastian. 161,058, Nov. 28.
Circulator, Air. F. Se Bastian. 161,215, Dec. 12.
Clamp, Bedclothes. B. Wandel. 159,398, July 18.
Clamp for bicycles, Kick stand. R. L. Pawsat. 157,416, Feb. 21.
Clamp, Hair waving. S. C. Watson. 158,343, Apr. 25.
Clamp, Saddle. T. L. Smith. 160,668–9, Oct. 24.
Clarinet, Slide. J. E. Legler. 159,738, Aug. 15.
Clasp and ornament attachment device, Combined earring. S. M. Danzig and G. Skolnik. 156,705, Jan. 3.
Clasp or similar article, Tie. R. Ettman. 157,577–8, Mar. 7.
Clasp, Watch band. J. Laufer. 158,392, May 2.
Claw hammer and screw driver, Combination. H. Jackson. 156,832, Jan. 10.
Cleaner, Brush and comb. J. H. Stamp. 159,106, June 20.
Cleaner or the like, Paint spray hose. D. J. Peeps. 157,084, Jan. 31.
Cleaner, Shrimp. C. M. Riha. 157,430, Feb. 21.
Cleaner, Suction. E. F. Martinet and J. R. Morgan. 159,087, June 20.
Cleaner, Suction. K. P. Schory. 158,134, Apr. 11.
Cleaner, Window. J. D'Angelo. 160,253, Sept. 26.
Cleaning and waxing device, Combination. J. Palma, Jr. 159,751, Aug. 15.
Cleaning attachment, Shoe. H. Thomas. 157,713, Mar. 14.
Cleaning machine, Sewer. J. J. Rausch. 158,505, May 9.
Clip. E. H. Strachan. 159,693, Aug. 8.
Clip, Fastening. F. R. Chester. 160,692, Oct. 31.
Clip for a drapery pleater. B. Walters. 161,143, Dec. 5.
Clip for holding cigarettes, golf tees, or the like, Caddy-cart. C. K. Wooden. 156,928, Jan. 17.
Clip, Golf bag. R. E. Newton. 156,987, Jan. 24.
Clip, Hair curler. H. Statter. 158,698, May 23.
Clip or similar article. A. Katz. 159,909, Aug. 29.
Clip or similar article. W. G. Markle. 156,981, Jan. 24.
Clip or similar article. A. Philippe. 159,840–1, Aug. 22.
Clip or similar article. R. Semensohn. 161,287, Dec. 19.
Clip or similar article, Collar. D. V. Carnevale. 159,597, Aug. 8.
Clip or similar article, Fountain pen. L. K. Stupell and C. Sabel. 160,750, Oct. 31.
Clip or the like, Money. F. W. Moulson. 160,004, Sept. 5.
Clip, Paper money. E. L. Wilcox. 159,706, Aug. 8.
Clippers or similar article, Hair. R. J. Enstrom and O. R. Sandstrom. 161,009, Nov. 28.
Clock. L. I. Bruce. 158,929, June 13.
Clock. A. B. Chereton. 161,313, Dec. 26.
Clock. H. Engel. 159,258, July 11.
Clock. B. Lerman. 157,879, Mar. 28.
Clock. B. Lerman. 157,986–7, Apr. 4.
Clock. A. Levy. 160,405, Oct. 10.
Clock. P. Medici. 157,772–3, Mar. 21.
Clock. A. J. Nelson. 158,602, May 16.
Clock. J. F. Punzak. 158,683–5, May 23.
Clock. M. E. Schlenker. 158,015, Apr. 4.
Clock. M. E. Schlenker. 158,017, Apr. 4.
Clock. M. E. Schlenker. 159,931, Aug. 29.
Clock. R. J. Viani. 159,698, Aug. 8.
Clock and radio, Combined. H. G. Lewand. 158,982, June 13.
Clock and radio or the like, Combined. R. J. Viani. 159,699–701, Aug. 8.
Clock and supporting easel therefor, Combined. S. J. Kaufman. 158,096, Apr. 11.
Clockcase. H. H. Goldner. 158,852, June 6.
Clockcase. B. Lerman. 157,988, Apr. 4.
Clockcase and cigarette lighter, Combined. S. J. Kaufman. 158,097, Apr. 11.
Clockcase or similar article. S. J. Kaufman. 158,098–9, Apr. 11.
Clockcase or similar article. J. F. Punzak. 158,011, Apr. 4.
Clock casing. P. Hiben. 158,856, June 6.
Clock, clock control, condiment holders and shelf for cooking stoves, Combined. J. B. Stuman. 156,783, Jan. 3.
Clock dial. J. Meltzer. 160,268, Sept. 26.
Clock, Display. G. C. Gettelman. 157,584, Mar. 7.
Clock, Electric alarm. R. Esselin. 160,697, Oct. 31.
Clock or similar article. J. Bergman. 160,832, Nov. 14.
Clock or similar article. S. J. Kaufman. 159,420–1, July 25.
Clock or the like. J. F. Punzak. 160,430, Oct. 10.
Clock, Timer. M. E. Silverman and M. Moss. 160,025, Sept. 5.
Clock, Wall. S. Kamin. 158,079, Apr. 11.
Clock, Wall. M. E. Schlenker. 160,434, Oct. 10.
Clock, World time. J. C. Owinski. 159,294, July 11.
Closure, Concrete burial vault. L. E. Abbott. 156,930, Jan. 24.
Closure, Dispensing. F. G. Lodes. 160,097, Sept. 12.
Closure for a container, Dispensing control. R. B. Waite. 160,448, Oct. 10.
Clothes line. P. D. Parks. 160,421, Oct. 10.
Clothespin. L. R. Dold. 160,305, Oct. 3.
Clothespin. A. J. Pineda. 159,390, July 18.
Clothespin. N. A. Volpe. 160,446, Oct. 10.
Clown figure toy. C. Rouse. 156,846, Jan. 10.
Club head, Putting game. A. T. Johnson. 156,963, Jan. 24.
Coach. A. A. Boca. 160,059, Sept. 12.
Coaster. A. H. Normandin. 160,110. Sept. 12.
Coaster. R. S. Pakula. 158,680, May 23.
Coaster. J. B. Richardson. 157,536, Feb. 28.
Coaster and ash tray, Combination. I. A. Lipman. 158,478, May 9.

Coaster and ash tray, Combination. C. W. Nielsen. 159,290, July 11.
Coaster and ash tray or article of similar nature, Combination. A. J. Dreitzer. 159,056, June 20.
Coaster and ash tray or similar article, Combination. C. Potts. 156,840, Jan. 10.
Coaster and ash tray or similar article, Combination. C. Potts. 158,501–2, May 9.
Coaster and ash tray or similar article, Combination. C. Potts. 158,613, May 16.
Coaster and ash tray or similar article, Combination glass. A. J. Dreitzer. 159,193, July 4.
Coaster and ash tray or similar article, Combined. L. G. Strong. 160,284–6, Sept. 26.
Coaster and bracket, Combined. G. L. Bender. 160,764, Nov. 7.
Coaster, Jacket-type. A. M. Reineke. 159,535, Aug. 1.
Coaster or similar article. A. Levine. 158,981, June 13.
Coat. A. Burell. 156,865, Jan. 17.
Coat. B. Cashin. 157,567, Mar. 7.
Coat. H. Mandelbaum. 160,800, Nov. 7.
Coat, Child's hooded. M. Saltzman. 161,129, Dec. 5.
Coat, Negligee. S. Landau. 158,979, June 13.
Coat, Negligee. S. Landau. 159,081, June 20.
Coat, Negligee. S. Landau. 159,815, Aug. 22.
Coat or similar article, Negligee. S. Landau. 158,977–8, June 13.
Coat, Professional uniform. C. F. Paque. 157,696, Mar. 14.
Coat, Uniform. A. Eberle. 156,711, Jan. 3.
Coat with detachable hood, Lady's. S. Saparow. 160,973, Nov. 21.
Coffee maker. W. P. Biehayn. 161,306, Dec. 26.
Coffee maker. J. H. Reichart. 157,701, Mar. 14.
Coffee maker, Drip. T. Ulmer. 158,531, May 9.
Coffee maker, Vacuum. J. B. Ward. 158,236, Apr. 18.
Coffee-making apparatus. P. Pappas. 157,407, Feb. 21.
Coffee-making device. J. S. Mather, Jr. 157,398, Feb. 21.
Coffee pot. R. L. Parker. 158,997, June 13.
Coffee pot or the like. J. F. Punzak. 158,682, May 23.
Coin bank. A. F. Klingberg. 159,910, Aug. 29.
Coin saving bank or the like. C. F. Degner. 160,255, Sept. 26.
Comb. J. C. Foster. 160,586, Oct. 24.
Comb. L. Madlock. 157,769–70, Mar. 21.
Comb. E. E. Mears. 159,659, Aug. 8.
Comb. P. J. Morroni. 157,069, Jan. 31.
Comb. P. J. Morroni. 157,695, Mar. 14.
Comb. P. J. Morroni. 159,430, July 25.
Comb. L. S. Utley. 159,697, Aug. 8.
Comb and brush, Combined. L. L. Love. 158,986, June 13.
Comb and container, Combination. C. Castelli. 159,716, Aug. 15.
Comb, Hair grooming. H. F. Jackson. 159,066, June 20.
Comb holder and pin tray, Combination. E. M. Hanrahan. 158,575, May 16.
Comb holder and tray, Combined. B. Ulvad. 156,788, Jan. 3.
Comb or similar article. C. W. Bristol. 156,696, Jan. 3.
Comb or similar article. L. Kahn. 160,711, Oct. 31.
Comb or the like. H. C. Richards. 160,273, Sept. 26.
Comb or the like. B. Ulvad. 156,925, Jan. 17.
Comb stand and tray, Combined. P. Morroni. 161,194, Dec. 12.
Comforter, Bed. M. Katz. 161,346, Dec. 26.
Commode. A. J. Buckner. 156,813, Jan. 10.
Commode, Bedside cabinet. W. S. Horn. 161,262, Dec. 19.
Commode, Hospital. W. S. Horn. 157,868, Mar. 28.
Compact. R. M. Barton. 156,690, Jan. 3.
Compact. L. Brodton. 157,467, Feb. 28.
Compact and lipstick holder, Combined. A. F. Reilly. 157,702, Mar. 14.
Compact, change purse, and lipstick holder, Combined. W. S. Shea. 157,639, Mar. 7.
Compact or similar article. P. Flato. 157,579, Mar. 7.
Compact or similar article. P. Flato. 157,854, Mar. 28.
Compact or similar article. P. E. Flato. 159,605–6, Aug. 8.
Compact or similar article. P. E. Flato. 159,965, Sept. 5.
Compact or similar article. P. E. Flato. 160,700, Oct. 31.
Compact or similar article. P. E. Flato. 161,011, Nov. 28.
Compact or the like. J. Schulmberger. 157,909, Mar. 28.
Comport or article of similar nature. T. C. Heisey. 156,882, Jan. 17.
Condenser, Vacuum. J. E. Jennings. 159,342, July 18.
Confection, Frozen. L. W. von Losberg. 160,447, Oct. 10.
Console for a computing machine. G. H. Kress and C. W. Sundberg. 157,506, Feb. 28.
Container. B. Bolté and R. Dixon. 161,086, Dec. 5.
Container. L. E. Lidholm. 158,107, Apr. 11.
Container. H. S. Zaikaner. 156,860, Jan. 10.
Container and article holder, Combination. J. F. Skold. 159,872, Aug. 22.
Container and decorative vase or similar article, Combined display. M. A. Kaufman. 157,979, Apr. 4.
Container and display unit, Combination. E. Nonas. 159,221, July 4.
Container, Combined cigarette and match. J. W. Wolfenden. 159,567–8, Aug. 1.
Container, Cosmetic. M. J. Cadé. 160,069, Sept. 12.
Container, Covered. L. D. L. Coloman. 160,149, Sept. 19.
Container, Disinfecting garbage. E. Levin. 161,028, Nov. 28.
Container for books or similar articles. B. B. Harvey and J. D. Landes, Jr. 161,104, Dec. 5.
Container for candles. O. D. Guilfoil, Jr. 160,167, Sept. 19.
Container for cosmetics or the like. H. A. Cornelius. 159,602, Aug. 8.
Container for cream soap or the like. D. D. Whyte. 160,826, Nov. 7.
Container for fishing tackle and the like. L. J. Ligon. 157,610, Mar. 7.
Container for food, Insulated. H. W. Clarke. 158,050, Apr. 11.
Container for food products. M. D. Krause. 157,875, Mar. 28.
Container for holding and dispensing packaged cigarettes. J. and A. Tant. 157,543, Feb. 28.
Container for keys or similar article. K. M. Vogel. 159,179, June 27.
Container for shaving implements or the like. C. Otto. 159,293, July 11.
Container for tissue. J. W. Brown. 159,248, July 11.
Container, Insulated metallic. H. D. Shawver. 157,637, Mar. 7.
Container, Lipstick. L. H. Salisbury. 157,793, Mar. 21.
Container, Lipstick. J. A. Uva. 157,216, Feb. 7.
Container, Liquid. J. F. Fleming. 160,080, Sept. 12.
Container, Mothball. R. Levine. 161,351, Dec. 26.
Container opener and bottle seal breaker, Combination. F. A. Turgeon, Jr. 158,341, Apr. 25.
Container, Openwork fabric soap. R. H. M. Orr. 156,837, Jan. 10.
Container or similar article, Condiment. P. J. Mesi. 160,876, Nov. 14.
Container or similar article, Cosmetic. F. M. Breen. 157,125, Feb. 7.
Container or similar article, Dispensing. W. F. Robb. 158,800, May 30.
Container or similar article, Ink. F. Richman. 160,017–18, Sept. 5.
Container or similar article, Jewelry display. M. A. Kaufman. 157,978, Apr. 4.
Container or similar article, Packaging. J. C. Madden, 3rd. 158,111, Apr. 11.
Container or similar article, Perfume. W. A. Cotter. 158,445, May 9.
Container or similar article, Recipe. R. Simons. 156,851, Jan. 10.
Container or similar article, Shipping. E. F. Engstrom. 158,564, May 16.
Container or the like, Candy. J. W. Rucker. 157,435, Feb. 21.
Container or the like, Moth repellent. A. L. Saeks. 158,898, June 6.
Container, Perfume. H. Kestenbaum. 157,498, Feb. 28.
Container, Perfume. G. Lecomte. 157,507, Feb. 28.
Container, Pharmaceutical. E. Zumpe. 157,115, Jan. 31.
Container, Popcorn. A. J. Krappman. 157,172, Feb. 7.
Container, Refrigerator. D. W. Hill. 159,811, Aug. 22.
Container, Spice. L. F. and D. E. Touhey. 159,762, Aug. 15.
Container, Table sirup. K. P. Duncan. 157,665, Mar. 14.
Container, Tampon. S. C. Fisher. 156,948, Jan. 24.
Control box for an electrical appliance. B. F. Strand, Jr. 159,016, June 13.
Control head. C. E. Beck. 159,182, July 4.
Control or similar article, Thermostatic. R. E. James and W. A. Pentecost. 157,682, Mar. 14.
Control panel, Electronic. M. R. Smith and S. W. Nickells. 159,555, Aug. 1.
Control panel, Stove. W. H. Sickinger. 159,553, Aug. 1.
Control unit, Electrical. G. C. Izenour. 157,373–4, Feb. 21.
Control unit for washing machines. J. Morgan. 157,277, Feb. 14.
Control valve for gas burners. I. V. Brumbaugh. 160,365, Oct. 10.
Controller for toy railroads. J. L. Bonanno. 160,765, Nov. 7.
Cookstove. G. Levine. 157,609, Mar. 7.
Cooker, Pressure. F. Sayers and C. B. Stevens. 157,002, Jan. 24.
Cooking apparatus. L. E. Finch. 160,932, Nov. 21.
Cooking block. W. J. Crawford. 159,717, Aug. 15.
Cooking top, backguard, and shelf for a range, Combination. F. W. Krueger. 157,688, Mar. 14.
Cooling unit, Room. T. W. Carraway. 157,840, Mar. 28.
Cord guide for Venetian blind mounting brackets. J. C. Bennett. 160,296, Oct. 3.
Corer or similar article, Grapefruit. H. Stachowiak. 158,418, May 2.
Corn popper or similar article, Electrical. C. E. Applegate. 157,317, Feb. 21.
Costumer, Child's. I. A. Gross. 159,905, Aug. 29.
Couch or similar article. J. Mont. 158,492, May 9.
Counter, Display. J. G. Lippincott. 157,062, Jan. 31.
Counter unit. G. M. Wynn. 158,921, June 6.
Coupling element. P. R. Hollaender. 157,592–4, Mar. 7.
Coupling for pipes or the like. L. S. Hamer. 161,020, Nov. 28.

Coupling, Mine car. D. O. Turner. 159,111, June 20.
Cover, Cooking utensil. P. Muller-Munk. 160,647–9, Oct. 24.
Cover for a billfold. S. J. Smallman. 158,019, Apr. 4.
Cover for a greeting card folder or the like. E. J. Jones. 157,602, Mar. 7.
Cover for sugar bowl. R. G. Cowan. 160,771, Nov. 7.
Cover for a vessel. E. S. Tupper. 156,854, Jan. 10.
Cover for a vessel. E. S. Tupper. 158,155, Apr. 11.
Cover, Golf club. J. S. Runyon. 160,807, Nov. 7.
Cover, Lace table. H. Hooven. 160,173, Sept. 19.
Cover or similar article for electrically heated blankets, Bedspread. J. Goodstein. 160,856, Nov. 14.
Cover or similar article, Mattress. B. Turner and M. and E. Forster. 160,752, Oct. 31.
Cover or similar article, Table. E. Brice and H. S. Bromley. 159,406, July 25.
Cover or similar article, Table. F. Jarvis and H. S. Bromley. 159,486, Aug. 1.
Cover or similar article, Table. J. B. Moore, Jr., and H. S. Bromley. 159,507, Aug. 1.
Cover or similar article, Vaporizer. M. Katzman. 158,095, Apr. 11.
Cover or similar article, Wheel. G. A. Lyon. 157,387–93, Feb. 21.
Cover or similar article, Wheel. G. A. Lyon. 159,085, June 20.
Cover or similar article, Wheel. G. A. Lyon. 159,818–32, Aug. 22.
Cover or similar article, Wheel. G. A. Lyon. 160,511–14, Oct. 17.
Cover or the like, Box. A. A. Elisayeff and E. F. Loeschorn. 156,945, Jan. 24.
Cover or the like, Box. A. A. Elisayeff and E. F. Loeschorn. 159,195, July 4.
Cover or the like, Table. F. Pilitz. 157,896–8, Mar. 28.
Cover, Plastic film table. M. A. Susi. 157,711, Mar. 14.
Cover, Plastic film table. M. A. Susi. 158,022–6, Apr. 4.
Cover, Plastic table. M. A. Susi. 158,232, Apr. 18.
Cover, Radiator. C. H. Bevington. 158,043, Apr. 11.
Cover, Radiator. T. F. O'Connor, Jr. 161,197, Dec. 12.
Cover, Table. E. A. Squires. 159,690, Aug. 8.
Coverall or the like. H. C. Cookman. 157,346, Feb. 21.
Covering for awnings or like structures, Rigid. D. H. Ruggles. 161,210, Dec. 12.
Covering for smooth surfaces. W. B. Petzold. 161,369, Dec. 26.
Covering or similar article, Shelf. J. E. Adair. 157,228–30, Feb. 14.
Covering or the like, Wall. A. B. Barnhart. 157,325, Feb. 21.
Covering, Tile floor and wall. J. E. Ryan. 158,219, Apr. 18.
Cowling for coin control mechanism for vending machines. C. C. Bernitz. 157,830, Mar. 28.
Cradle for a telephone handset. I. Flatter and M. Carmel. 158,060, Apr. 11.
Crankcase, Engine. H. S. Benjamin and H. R. De Harte. 156,692, Jan. 3.
Cream separator for milk bottles. W. J. Coliz and E. E. Eutsler, Jr. 159,958, Sept. 5.
Creamer. J. L. Parentice. 157,415, Feb. 21.
Credenza. S. Bevelacqua. 158,432, May 9.
Creel for anglers. H. L. Domina. 156,820, Jan. 10.
Crib and storage chest, Combined infant's. G. H. Chilson. 159,600, Aug. 8.
Crib and utility chest, Combination. L. Barmache and M. Mutin. 158,038, Apr. 11.
Crib, Child's. M. C. Faught. 159,604, Aug. 8.
Crib, Child's. N. Genovese. 161,099, Dec. 5.
Crib, Enclosed. W. A. Wagner. 158,030, Apr. 4.
Crib, Juvenile. J. Risom. 161,377, Dec. 26.
Cribbage board. D. H. Storey. 159,014–15, June 13.
Croquet wicket. C. C. Christensen. 160,576, Oct. 24.
Crucifix. J. A. Chevalier. 159,891, Aug. 29.
Cruet or similar article, Glass. T. C. Heisey. 160,386, Oct. 10.
Cruise board, Buoyant. D. L. Byerly. 157,564, Mar. 7.
Cup. H. Becker. 159,886, Aug. 29.
Cup. R. G. Cowan. 160,769, Nov. 7.
Cup. J. B. Stier. 160,227–8, Sept. 19.
Cup and cover, Combined child's. G. K. Geerlings. 158,187, Apr. 18.
Cup, Molded. C. J. Chaplin. 158,599, Aug. 8.
Cup, Ice-cream. A. A. Heyman. 157,047–8, Jan. 31.
Cup or similar article. R. Y. Allen, and M. and E. K. Shaw. 159,465, Aug. 1.
Cup or similar article. P. J. McGough. 158,304, Apr. 25.
Cup or the like. I. G. Marshall. 160,266, Sept. 26.
Cupboard. S. Bevelacqua. 158,434, May 9.
Curler, Butter. W. R. Galter. 161,330, Dec. 26.
Cushion, Baby sit-up. R. Glassman. 159,483, Aug. 1.
Cutter, Bottle seal. F. Cicero. 159,139, June 27.
Cutter, Cigar. W. R. Tuttle and W. J. Belduc. 159,305, July 11.
Cutter, Dough. R. Shaw. 158,333–4, Apr. 25.
Cutter, Food. H. B. Towler. 157,012, Jan. 24.
Cutter for coin collection cards or similar article, Hole. F. I. Sollenberger. 158,143–4, Apr. 11.
Cutter or similar article, Vegetable. R. P. De Vault. 156,944, Jan. 24.
Cutter, Roll paper. K. A. Van Dyck. 157,647, Mar. 7.
Cutter, Tube. G. W. Wolcott. 158,536, May 9.
Cutter, Vegetable. L. R. Shadduck. 158,619, May 16.
Cutting machine, Strip. P. H. Unsinger. 157,105, Jan. 31.
Cycle, Power. F. H. Johnson. 159,154, June 27.
Darning attachment for sewing machines. H. H. Russell. 161,284, Dec. 19.
Dart board. E. S. Horne. 159,617, Aug. 8.
Dauber, Shoe. A. P. Shelsey. 157,707, Mar. 14.
Decanter or similar article. J. D. Buckingham. 160,298, Oct. 3.
Decanter or similar article. J. D. Buckingham and P. Fink. 160,768, Nov. 7.
Decanter or similar article. P. Fink. 160,778–9, Nov. 7.
Deck of playing cards. K. B. Ewbank. 159,478, Aug. 1.
Deck of playing cards. J. M. Whiting. 159,878, Aug. 22.
Deflector, Exhaust. L. E. Russell. 159,098, June 20.
Deflector, Exhaust. L. E. Russell. 159,862–4, Aug. 22.
Defroster, Windshield. L. E. Russell. 159,226, July 4.
Dehumidifying apparatus, Portable. V. W. Aubel, Jr. 158,543, May 16.
Deodorizing unit for toilet flushing systems or the like. H. Ward and F. Dunkerley. 160,135, Sept. 12.
Desk. J. R. Batten. 157,726, Mar. 21.
Desk. I. Kramer. 157,381, Feb. 21.
Desk. W. Manning. 160,103, Sept. 12.
Desk and seat combination. E. J. Kump, Jr. 159,992, Sept. 5.
Desk and toy chest, or the like, Child's combined. P. Metro. 157,067, Jan. 31.
Desk or similar article. J. C. Eisenberg. 161,168, Dec. 12.
Desk or the like, Collapsible. E. F. Tubbs. 159,564, Aug. 1.
Desk pad and interoffice communicating unit, Combined. R. H. Rigby. 158,616, May 16.
Desk, Portable-typewriter. D. A. Moffitt. 160,107, Sept. 12.
Desk, School. E. J. Kump, Jr. 159,993, Sept. 5.
Desk set. N. C. Gilkison. 159,975, Sept. 5.
Desk set, Smoker's. F. J. Schroeder. 157,441, Feb. 21.
Desk unit, Combination. A. S. Freethey. 158,655, May 23.
Desk with drawers. H. A. Thede. 157,303, Feb. 14.
Detector, Holiday. D. E. Stearns. 158,419, May 2.
Dial, Glass. W. W. Loveland. 158,600, May 16.
Dice set. A. H. Keast. 158,196, Apr. 18.
Dickey, Lady's. S. Sampson. 157,908, Mar. 28.
Dictation machine, Office. H. Landell. 157,764, Mar. 21.
Dish. D. M. Dickenson, Jr. 161,165, Dec. 12.
Dish. J. Epstein. 157,355, Feb. 21.
Dish and cup, Combined child's. G. R. Kelly and D. D. Davies. 159,643, Aug. 8.
Dish, Candy. B. Fortuna. 160,701, Oct. 31.
Dish, Child's. H. Pokras. 160,121, Sept. 12.
Dish, Edible. F. W. Moffett, Jr. 156,985, Jan. 24.
Dish, Food serving. C. O. Bliss. 157,729, Mar. 21.
Dish for corn on ear. B. Graham. 160,164, Sept. 19.
Dish, Ice-box. M. S. Wright. 157,823, Mar. 21.
Dish, Infant's. C. S. La Tour. 159,350, July 18.
Dish or article of similar nature, Candy. T. C. Heisey. 156,883, Jan. 17.
Dish or article of similar nature, Candy. T. C. Heisey. 157,954, Apr. 4.
Dish or article of similar nature, Chocolate. T. C. Heisey. 156,884, Jan. 17.
Dish or other article of hollow ware. F. W. Stark. 157,099, Jan. 31.
Dish or similar article. C. H. Pomeroy. 157,699, Mar. 14.
Dish or similar article, Combination tea and toast. A. J. Dreitzer. 156,872, Jan. 17.
Dish or similar article. H. A. Ganser. 156,951, Jan. 24.
Dish or similar article of hollow ware. F. W. Stark. 159,013, June 13.
Dish set, Alphabet. C. W. Riddle. 161,208, Dec. 12.
Dish, Soap. W. R. Galter. 161,329, Dec. 26.
Dish, Soap. G. A. Hallenscheid. 157,146, Feb. 7.
Dish, Soap. P. F. Simpson. 158,138, Apr. 11.
Dishwashing machine, Portable. W. I. Knapp. 157,171, Feb. 7.
Dispenser. H. F. Cook. 157,345, Feb. 21.
Dispenser and closure for a container, Combined. M. Goldman. 160,491, Oct. 17.
Dispenser, Beverage. G. W. Florian. 158,570, May 16.
Dispenser, Cigarette. D. N. Hosmer, Sr. 159,485, Aug. 1.
Dispenser, Cigarette. B. L. Petty. 157,698, Mar. 14.
Dispenser, Combination chewing gum and coin. J. W. Ament. 160,988, Nov. 28.
Dispenser, Condiment. E. V. Alvarez. 159,770, Aug. 22.
Dispenser, Condiment. M. C. Caglugis. 159,781, Aug. 22.
Dispenser, Condiment. G. Q. Scott. 159,758, Aug. 15.
Dispenser for cigarette packages and like objects. D. Kirsch and N. Avrashow. 158,199, Apr. 18.
Dispenser for hand lotion or the like, Liquid. J. F. M. Ball. 157,933, Apr. 4.
Dispenser for shaving cream and toothpaste or the like. J. J. Manning. 158,778, May 30.
Dispenser for stamps or the like. R. W. Stayton. 159,691, Aug. 8.
Dispenser for streetcars and busses, Newspaper and pamphlet. J. L. Robins. 161,127, Dec. 5.
Dispenser, Fruit juice. R. Linneman. 161,271, Dec. 19.
Dispenser, Hairpin. W. F. Feyrer. 159,260, July 11.
Dispenser, Liquid. D. Berger. 158,638, May 23.
Dispenser, Liquid. J. W. Compas. 158,051, Apr. 11.
Dispenser, Paper. S. J. Rutka. 161,054, Nov. 28.

Dispenser, Perfume. W. P. Cady. 158,554, May 16.
Dispenser, Perfume. S. La Scola. 158,203, Apr. 18.
Dispenser, Popcorn. W. H. Beaudot. 158,831, June 6.
Dispenser, Popcorn. W. E. Clark and J. E. Beall. 160,072, Sept. 12.
Dispenser or similar article, Beverage. F. F. Gunther. 157,588, Mar. 7.
Dispenser or similar article, Combination fruit and sirup. F. F. Gunther. 157,671, Mar. 14.
Dispenser, or the like, Cigarette. L. Rossi. 157,538, Feb. 28.
Dispenser, Portable drink. R. A. M. Peterson. 156,993, Jan. 24.
Dispenser, Razor blade. E. A. Nelson. 156,909, Jan. 17.
Dispenser, Sealed. F. G. Lodes. 160,098, Sept. 12.
Dispenser, Spray. F. G. Lodes. 160,096, Sept. 12.
Dispenser, Strip. S. White. 161,072, Nov. 28.
Dispenser, Tape. L. Vavrik. 157,219, Feb. 7.
Dispenser, Tissue. M. J. Manetti. 158,485, May 9.
Dispenser, Tobacco. H. E. Anderson. 159,035, June 20.
Dispenser, Toothpick. C. J. Linnartz, Jr. 159,280, July 11.
Dispensing apparatus, Beverage. D. A. McCowan, Jr., and B. A. and P. M. McCowan. 159,502, Aug. 1.
Dispensing head for frozen condiment. C. Erickson and E. Spellman. 161,010, Nov. 28.
Dispensing machine, Beverage. E. Nelson. 157,891, Mar. 28.
Dispensing machine, Gum ball. S. A. Tarrson. 158,529, May 9.
Dispensing machine, Liquid medicinal. F. J. Cozzoli. 157,660–1, Mar. 14.
Dispensing unit, Condiment. A. G. Ball. 159,131, June 27.
Dispensing unit, Condiment. P. B. Utley. 159,176, June 27.
Display board, Advertising. W. P. Pearman. 157,895, Mar. 28.
Display carton or similar article, Watch band. R. P. Gust. 159,980, Sept. 5.
Display device. L. M. Breier. 158,247, Apr. 25.
Display device. O. R. Hickman. 158,746, May 30.
Display device. L. L. Sutherland. 160,904, Nov. 14.
Display device, Animated. A. B. Leech. 157,270, Feb. 14.
Display device for finger rings. H. Frackman. 160,158, Sept. 19.
Display device, Illuminable. L. H. Foster. 161,012, Nov. 28.
Display fixture. D. L. Mapson. 159,997, Sept. 5.
Display fixture, Automobile accessory. H. J. Roberts. 157,792, Mar. 21.
Display fixture, Automobile lubrication. H. J. Roberts. 158,409, May 2.
Display package for brushes, Protective. J. Cray. 157,347, Feb. 21.
Display plate or similar article. S. M. Mackitar. 160,515, Oct. 17.
Display rack for brushes. L. R. Schumann. 160,278, Sept. 26.
Display stand. S. Malkin. 158,775–7, May 30.
Display stand. W. S. Ziolkowski and T. Poprocki. 157,260, Feb. 21.
Display stand and card or similar article, Combined. R. Epstein. 157,576, Mar. 7.
Display stand, Match book. J. Shapiro. 161,290, Dec. 19.
Display unit, Window. J. L. Hogan. 159,206, July 4.
Doily. E. Karfiol. 158,291, Apr. 25.
Doily. E. Karfiol. 158,581, May 16.
Doily. E. Karfiol. 159,417–18, July 25.
Doll. L. R. Cohen and D. J. Beck. 159,250, July 11.
Doll. M. M. and H. M. Hickox. 159,064, June 20.
Doll. W. W. Hill and O. A. Johnson. 159,152, June 27.
Doll. P. J. Hueter. 161,339, Dec. 26.
Doll. E. S. Lee. 159,655, Aug. 8.
Doll. T. A. Pulham. 158,406, May 2.
Doll. R. A. Wendelin. 158,702, May 23.
Doll. P. I. Wheeler. 157,222, Feb. 7.
Doll and transparent container therefor, Combined. J. Berg. 157,560, Mar. 7.
Doll, Ballerina. R. Lambertz. 157,174, Feb. 7.
Doll head. L. F. Eades. 161,251, Dec. 19.
Doll or similar article, Stuffed. A. V. Snyder. 160,557, Oct. 17.
Doll or the like. R. A. Gudt. 158,457, May 9.
Doll, Santa Claus. E. R. Schaaf. 159,168, June 27.
Doll, Stuffed, winged. L. E. Schwarz, Jr. 158,806, May 30.
Doll's head or similar article. F. Paris. 156,988, Jan. 24.
Door. U. G. Massey. 157,179, Feb. 7.
Door for a refrigerator evaporator. C. Reynolds, Jr. 158,799, May 30.
Door knocker. S. K. Harker. 160,859, Nov. 14.
Door pull. L. L. Kadleck. 160,710, Oct. 31.
Doorstop. O. Hinder. 160,262, Sept. 26.
Doorstop. W. H. Phelps. 161,200, Dec. 12.
Doughnut machine. T. Morgan. 159,508, Aug. 1.
Doweling jig. B. L. Polkosnik. 160,734, Oct. 31.
Drain cock or similar article. J. E. Szitar. 158,338, Apr. 25.
Drainer, Dish. C. D. Keaton. 158,100, Apr. 11.
Drape for bath-tubs, Cover. E. B. Rindt. 157,790, Mar. 21.
Drapery supporting fixture, Decorative. T. F. Krumm. 160,181, Sept. 19.
Draw-discard device for card games. F. J. Stressner. 161,399, Dec. 26.
Dress. M. Abrams. 157,717–22, Mar. 21.
Dress. M. Abrams. 157,826–7, Mar. 28.
Dress. O. A. Berman. 159,132, June 27.
Dress. O. A. Berman. 161,082, Dec. 5.
Dress. M. R. Bocher. 156,809, Jan. 10.
Dress. H. L. Caldwell. 157,837–9, Mar. 28.
Dress. H. Clements. 157,940, Apr. 4.
Dress. H. C. Cookman. 156,817, Jan. 10.
Dress. M. G. De Martino. 157,844, Mar. 28.
Dress. B. Geffen. 157,751–2, Mar. 21.
Dress. A. Goodman. 158,741, May 30.
Dress. E. E. Hildebrand. 157,591, Mar. 7.
Dress. S. Landorf. 157,690, Mar. 14.
Dress. A. Lipshitz. 159,357, July 18.
Dress. D. Minchenberg. 157,615, Mar. 7.
Dress, Coat. B. Geffen. 157,750, Mar. 21.
Dress ensemble. M. Abrams. 157,227, Feb. 14.
Dress ensemble. B. Geffen. 157,250–1, Feb. 14.
Dress ensemble. J. Lipman. 159,740–3, Aug. 15.
Dress ensemble. V. R. Moreno. 156,754, Jan. 3.
Dress ensemble. J. F. Strassner. 156,782, Jan. 3.
Dress, Lady's. M. White. 157,650, Mar. 7.
Dress or similar article. O. A. Berman. 160,687, Oct. 31.
Dress or similar article. O. A. Berman. 160,833, Nov. 14.
Dresser. S. Bevelacqua. 158,431, May 9.
Dresser. E. Herrmann. 159,613, Aug. 8.
Dressing table and chest of drawers, Combination. B. L. Baldwin. 161,302, Dec. 26.
Drier, Dish. C. J. Altman. 160,684, Oct. 31.
Drier, Electric hand and hair. G. S. Clemens and J. Teague. 157,739, Mar. 21.
Drier, Hair. J. H. O'Connor. 157,779, Mar. 21.
Drier or similar article, Adjustable nozzle hair. D. F. McCarron. 158,779, May 30.
Drier or similar article, Electric hair. S. L. McNair and C. E. Wyman. 158,607, May 16.
Drier, Warm air. J. Nisenson. 158,603, May 16.
Dry cleaner. B. R. Winborn, Jr. 157,931, Mar. 28.
Drinking fountain. R. S. Wangelin. 159,565, Aug. 1.
Drip molding and mounting bracket for automobile visor, Combination. W. A. Maher. 159,833, Aug. 22.
Drive wheel, Stirring apparatus. M. J. Zimmer. 159,942, Aug. 29.
Duct, Bus bar. H. J. Hammerly. 158,461, May 9.
Dungarees, Lady's. M. M. Schwab. 161,057, Nov. 28.
Duplicating apparatus, Address. H. Jagger. 159,067. June 20.
Duplicating machine. R. W. Bailey. 158,710, May 30.
Duplicating machine. G. M. Hunt. 160,946, Nov. 21.
Duplicator, Stencil. P. H., W. D., and J. H. Mason. 157,771, Mar. 21.
Dust mop. J. Nigro. 160,650, Oct. 24.
Duster, Air. D. J. Peeps. 156,990, Jan. 24.
Earring. P. Gutenstein. 160,493, Oct. 17.
Earring. L. M. Schneider. 160,666, Oct. 24.
Earring or similar article. M. Boucher. 158,926, June 13.
Earring or similar article. M. Boucher. 159,592–4, Aug. 8.
Earring or similar article. M. Boucher. 160,361, Oct. 10.
Earring or similar article. M. Boucher. 161,239, Dec. 19.
Earring or similar article. M. Boucher. 161,241, Dec. 19.
Earring or similar article. J. Fath. 157,358, Feb. 21.
Earring or similar article. J. Fath. 158,845, June 6.
Earring or similar article. A. Fleuridas. 157,360, Feb. 21.
Earring or similar article. A. Fleuridas. 159,966–72, Sept. 5.
Earring or similar article. A. Katz. 156,889–90, Jan. 17.
Earring or similar article. A. Katz. 156,892–4, Jan. 17.
Earring or similar article. A. Katz. 156,899, Jan. 17.
Earring or similar article. A. Katz. 156,966, Jan. 24.
Earring or similar article. A. Katz. 157,162–3, Feb. 7.
Earring or similar article. A. Katz. 157,166–7, Feb. 7.
Earring or similar article. A. Katz. 158,081–3, Apr. 11.
Earring or similar article. A. Katz. 158,386, May 2.
Earring or similar article. A. Katz. 158,582, May 16.
Earring or similar article. A. Katz. 158,584, May 16.
Earring or similar article. A. Katz. 158,586, May 16.
Earring or similar article. A. Katz. 158,591, May 16.
Earring or similar article. A. Katz. 158,593–4, May 16.
Earring or similar article. A. Katz. 158,761, May 30.
Earring or similar article. A. Katz. 158,862–3, June 6.
Earring or similar article. A. Katz. 158,867, June 6.
Earring or similar article. A. Katz. 159,268, July 11.
Earring or similar article. A. Katz. 159,273, July 11.
Earring or similar article. A. Katz. 159,630–1, Aug. 8.
Earring or similar article. A. Katz. 159,635, Aug. 8.
Earring or similar article. A. Katz. 159,639–41, Aug. 8.
Earring or similar article. A. Katz. 160,612, Oct. 24.
Earring or similar article. A. Philippe. 157,187–9, Feb. 7.
Earring or similar article. A. Philippe. 157,517, Feb. 28.
Earring or similar article. A. Philippe. 157,519–21, Feb. 28.
Earring or similar article. A. Philippe. 157,527, Feb. 28.
Earring or similar article. A. Philippe. 158,312–14, Apr. 25.
Earring or similar article. A. Philippe. 158,316, Apr. 25.
Earring or similar article. A. Philippe. 158,611, May 16.
Earring or similar article. A. Philippe. 158,894–5, June 6.
Earring or similar article. A. Philippe. 159,515, Aug. 1.
Earring or similar article. A. Philippe. 159,837, Aug. 22.
Earring or similar article. A. Philippe. 159,844, Aug. 22.

Earring or similar article. A. Philippe. 160,112–14, Sept. 12.
Earring or similar article. A. Philippe. 160,198–200, Sept. 19.
Earring or similar article. A. Philippe. 160,335–8, Oct. 3.
Earring or similar article. A. Philippe. 160,422, Oct. 10.
Earring or similar article. A. Philippe. 160,529, Oct. 17.
Earring or similar article. A. Philippe. 160,733, Oct. 31.
Earring or similar article. A. Philippe. 160,959–60, Nov. 21.
Earring or similar article. A. Philippe. 160,969, Nov. 21.
Earring or similar article. A. Philippe. 161,040–2, Nov. 28.
Earring or similar article. A. Philippe. 161,201–2, Dec. 12.
Earring or similar article. R. Semensohn. 161,286, Dec. 19.
Earring or similar article. R. Semensohn. 161,288–9, Dec. 19.
Earring tree. C. A. Chamberlain. 160,369, Oct. 10.
Edger, Lens. R. E. Allen and W. F. Utzinger. 159,575, Aug. 8.
Egg beater. T. J. White. 156,792, Jan. 3.
Egg cooker and server, or the like, Combination. A. L. Jones and L. M. Wheeler. 157,375, Feb. 21.
Egg cup. E. V. Salg. 156,848, Jan. 10.
Egg poacher. T. Ulmer. 157,803, Mar. 21.
Electric range and radio, Combination. G. E. Bromley. 157,563, Mar. 7.
Electrical lighting unit. H. Y. Mageoch. 160,640, Oct. 24.
Electrode unit or the like, Diathermy. M. W. Blatner and A. H. Sachson. 159,042, June 20.
Emblem, Lapel. G. A. MacCann. 157,394, Feb. 21.
Emblem, License plate. H. P. Schindler. 160,022, Sept. 5.
Emblem or similar article, Military. E. Will. 159,880, Aug. 22.
Emblem plate, Automobile. W. B. R. Bell. 161,232, Dec. 19.
Emblem plate, Automobile. M. M. Burnett. 156,866, Jan. 17.
Emblem plate or similar article, Automobile. A. Ross. 160,128, Sept. 12.
End cap and sleeve for slat for screens, Combined. R. Gardner and H. Bernzott. 161,013, Nov. 28.
Engine, Bicycle. F. M. Friedlob. 161,328, Dec. 26.
Ensemble, Two-piece coat. S. Stein. 158,228–9, Apr. 18.
Envelope, Airmail. J. A. Pichardo. 157,288, Feb. 14.
Envelope, Hosiery. A. Lindermuth. 159,496, Aug. 1.
Envelope, Hosiery. M. Soltz. 159,556, Aug. 1.
Eraser and brush, Combination. E. Wild. 160,983–4, Nov. 21.
Exhaust deflector. L. E. Russell. 160,544–5, Oct. 17.
Exhaust deflector for automotive vehicles. M. S. Postelnek. 160,534, Oct. 17.
Expansible chain for a bracelet or similar article. P. Levinger. 160,185, Sept. 19.
Exposure meter, Photoelectric. A. T. Williams and P. Huber. 160,292, Sept. 26.
Extension, Exhaust. L. E. Russell. 159,227, July 4.
Extension, Exhaust. L. E. Russell. 159,865, Aug. 22.
Extension or similar article for an automobile, Exhaust pipe. G. C. Knight. 160,324, Oct. 3.
Extension or similar article for an automobile, Exhaust pipe. G. C. Knight. 160,503–5, Oct. 17.
Extractor, Fruit juice. H. J. Talge and A. M. Travis. 157,301, Feb. 14.
Extractor, Juice. S. H. Rosenthal. 160,126, Sept. 12.
Eyeglasses, Pair of. L. A. Costa. 160,479, Oct. 17.
Fabric. M. H. Shulman. 156,920, Jan. 17.
Fabric. P. Wayne. 157,308, Feb. 14.
Fabric, Flocked. J. Alexander. 159,308–9, July 18.
Fabric, Flocked. J. Alexander. 160,913–14, Nov. 21.
Fabric, Jacquard. J. A. Hirsch. 161,106, Dec. 5.
Fabric, Knitted. S. Saftlas. 159,298, July 11.
Fabric, Narrow woven. C. S. Wackerman. 158,161, Apr. 11.
Fabric, Narrow woven. C. S. Wackerman. 159,764–5, Aug. 15.
Fabric or similar article. J. Heller. 161,180, Dec. 12.
Fabric or similar article, Embroidered. F. Klauber. 159,277, July 11.
Fabric or similar article, Embroidered textile. C. R. Slepski. 157,093–4, Jan. 31.
Fabric or similar article, Liturgical. C. M. Muench. 160,954, Nov. 21.
Fabric or similar article, Liturgical. W. T. Mulloy. 160,955, Nov. 21.
Fabric or similar article, Textile. M. R. Hamre. 157,672–3, Mar. 14.
Fabric or similar article, Textile. M. R. Hamre. 158,959, June 13.
Fabric or similar article, Textile. R. Lacher. 158,976, June 13.
Fabric or similar article, Textile. W. O. Wells, Jr. 156,926, Jan. 17.
Fabric or the like. J. Kahn, Jr. 161,345, Dec. 26.
Fabric or the like, Narrow textile. C. A. Limbach. 160,952, Nov. 21.
Fabric, Reversible. S. Weinberg. 158,424, May 2.
Fabric, Textile. E. Freitag. 157,039, Jan. 31.
Fabric, Textile. J. Gluck. 160,936, Nov. 21.
Fabric, Textile. C. K. Goldberg. 159,059, June 20.
Fabric, Textile. J. B. Gregg. 159,150, June 27.
Fabric, Textile. R. Kay. 157,684, Mar. 14.
Fabric, Textile. J. E. Maisch. 159,086, June 20.
Fabric, Textile. W. Mitschke. 157,616–19, Mar. 7.
Fabric, Textile. W. Mitschke. 158,990–2, June 13.
Fabric, Textile. N. R. Peterson. 160,656, Oct. 24.
Fabric, Textile. H. A. Smith. 157,095–6, Jan. 31.
Fabric, Textile. J. Walther. 159,021, June 13.
Fabric, Textile. P. Wayne. 158,344–7, Apr. 25.
Fabric, Textile. P. Wayne. 159,023–5, June 13.
Fabric, Textile. S. Weinberg. 157,309, Feb. 14.
Fabric, Textile. S. Weinberg. 158,164, Apr. 11.
Fabric, Textile. S. Weinberg. 159,121–2, June 20.
Fabric, Tinsel appliquéd. J. I. Kingson. 160,947, Nov. 21.
Face hood and make-up cape, Convertible. G. N. Morganti. 160,269, Sept. 26.
Faceplate for a belt buckle or the like. L. Fantaccione. 157,476–7, Feb. 28.
Fan. G. S. Faber. 157,474, Feb. 28.
Fan. F. Se Bastian. 160,023, Sept. 5.
Fan and electric heater, Combined. R. R. Hutcheson. 157,598, Mar. 7.
Fan or similar article, Electric. A. J. Steinhart. 159,692, Aug. 8.
Fan or the like, Window ventilating. O. A. Sutton. 157,642, Mar. 7.
Fastener, Separable. H. C. Niedzielski. 157,894, Mar. 28.
Fastener, Strap. F. W. Andrews. 157,231, Feb. 14.
Faucet and sink, Combined. C. K. Brown, Jr. 160,067, Sept. 12.
Faucet and sink, Combined. C. K. Brown, Jr. 160,767, Nov. 7.
Faucet shell, Sink. S. A. Young. 157,018–19, Jan. 24.
Faucet, Temperature controlling. H. W. Darr. 159,051–2, June 20.
Favor holder and place card, Combined. L. J. Pyle and M. H. Schell. 157,291, Feb. 14.
Feed chute and control panel carrying member for a microfilm recorder or the like. T. R. Perzentka. 157,515, Feb. 28.
Feeder for feeding chemicals into water supply systems, Chemical. E. C. Reynolds. 158,408, May 2.
Fence and gate, Combined. J. A. Falatico. 159,793, Aug. 22.
Fence or similar article, Lawn. S. W. Ellis. 158,364, May 2.
Fender molding and ornament, Combined automobile. C. E. Sykes. 160,978, Nov. 21.
Fender skirt or similar article, Front. H. Bookman. 157,833, Mar. 28.
Fender trim and signal light unit, Combination. C. E. Sykes. 156,785, Jan. 3.
Ferrule, Pencil. H. U. Bittman. 159,246, July 11.
Festoon ring. W. B. S. Cameron. 159,249, July 11.
Field glass and periscope, Combined. D. Crichton. 160,304, Oct. 3.
Field glasses. H. Hofer, G. Alto, and R. Dix. 156,733, Jan. 3.
Figure, Animal. P. Ganine. 159,795–6, Aug. 22.
Figure toy. M. A. Stoddard. 159,937, Aug. 29.
Figure, Toy animal. R. E. Smith and E. G. Kean. 160,748, Oct. 31.
Figure unit or the like, Display. F. S. Moulson. 157,181, Feb. 7.
Figurine. R. Ast. 157,828, Mar. 28.
Figurine. F. Braunberger. 158,642, May 23.
Figurine. P. N. and T. L. Cope. 161,319, Dec. 26.
Figurine. S. R. Johnson. 160,175, Sept. 19.
Figurine. H. B. Kipp. 156,900, Jan. 17.
Figurine. B. Weld. 160,233, Sept. 19.
Figurine, Article holding. B. M. Brown. 157,235, Feb. 14.
Figurine, Article supporting. E. Nudelman. 160,731, Oct. 31.
Figurine or the like. W. R. Galter. 160,380, Oct. 10.
Figurine or the like. E. S. Stauffer. 160,282, Sept. 26.
File, Portable index. A. M. Pirone. 157,086, Jan. 31.
Filing machine or the like. D. J. Williams. 156,859, Jan. 10.
Filigree, Cast metal appliqué. B. Kipnis. 160,717–18, Oct. 31.
Filigree, Cast metal appliqué. W. H. Leavin. 159,654, Aug. 8.
Film material, Plastic. M. A. Susi. 157,920–3, Mar. 28.
Film material, Plastic. M. A. Susi. 158,151–2, Apr. 11.
Filter, Coffee. M. M. Goodman. 157,951, Apr. 4.
Filter for coffee makers. M. P. Glowacki. 157,486, Feb. 28.
Filter for motor vehicles, Glare. E. F. Piwczynski and R. Galinski. 157,425, Feb. 21.
Filter rod for a coffee maker. E. G. Polan and H. H. Metcalf. 158,404, May 2.
Finding, Ear clip. F. W. Moulson. 156,755, Jan. 3.
Finding, Jewelry. H. Frackman. 159,410, July 25.
Firearm. A. W. Duncan. 160,151, Sept. 19.
Firedog. E. C. Sooy. 161,394, Dec. 26.
Fire extinguisher or similar article, Dry powder. L. Gordon. 158,263, Apr. 25.
Fireplace, Outdoor. L. T. Ferrin. 158,949, June 13.
Fish bait, Artificial. A. Accetta. 158,537, May 16.
Fish bait, Artificial. H. J. Heinrichs. 157,676, Mar. 14.

Fish bowl and handle, Combination transparent. E. A. Rice. 161,207, Dec. 12.
Fishhook and snell holder. L. E. Hamel. 158,958, June 13.
Fishhook disgorger. L. E. Hamel. 157,255–7, Feb. 14.
Fishline and hook kit, Combination. J. T. Crandall. 159,142, June 27.
Fish lure. A. P. Algier. 159,402, July 25.
Fish lure. R. J. Fisher. 158,846, June 6.
Fish lure. J. W. Harvey. 158,854, June 6.
Fish lure. J. I. Koski. 158,871, June 6.
Fish lure. W. Mozuras. 156,756, Jan. 3.
Fish lure. J. K. Russell. 159,448–9, July 25.
Fish lure or similar article. S. and M. Kushner. 158,873, June 6.
Fish lure, Wiggling. G. E. Marbourg. 160,643, Oct. 24.
Fishing lure. S. F. Huneycutt. 156,831, Jan. 10.
Fishing lure. H. B. Marshall and H. L. Baker. 160,802, Nov. 7.
Fishing lure. L. B. Shroff. 160,976, Nov. 21.
Fishing lure, Artificial. R. Wiinikka. 158,349, Apr. 25.
Fishing lure, Spoon. L. G. Rice. 158,012, Apr. 4.
Fishing rod. J. D. McMillan. 156,983, Jan. 24.
Fishing rod and reel, Combination. A. C. Shafer. 157,796, Mar. 21.
Fishing rod handle and reel mount. W. L. Rives. 156,842, Jan. 10.
Fishing rod handle, weighing scale, and rule, Combination. G. H. Dreisbach. 158,732, May 30.
Fitting, Flow control. L. S. Hamer. 156,826, Jan. 10.
Fitting for a luggage case or similar article. D. Levine. 158,874, June 6.
Fitting for pipe lines. L. S. Hamer. 156,828, Jan. 10.
Fitting, Pipe-line. L. S. Hamer. 156,827, Jan. 10.
Fitting, Pipe line. L. S. Hamer. 156,829, Jan. 10.
Fixture, Bathroom. N. DeMark. 160,484, Oct. 17.
Fixture, Bathroom. L. Ouellette. 160,652, Oct. 24.
Fixture, Bracket lighting. M. B. Briggs. 157,234, Feb. 14.
Fixture, Combination bathroom. G. Holzhausen. 160,945, Nov. 21.
Fixture, Electric lighting. O. Lundquist. 158,208, Apr. 18.
Fixture, Fluorescent lighting. P. J. Lepore. 159,426, July 25.
Fixture, Fluorescent lighting. C. K. Meyer. 158,781, May 30.
Fixture, Fluorescent lighting. C. J. H. Nitardy. 160,417, Oct. 10.
Fixture, Fluorescent lighting. D. F. Russell. 158,803, May 30.
Fixture, Fluorescent lighting. K. Versen. 157,547, Feb. 28.
Fixture, Light. M. Kushner. 160,791, Nov. 7.
Fixture, Light. R. E. Lederer. 160,636, Oct. 24.
Fixture, Lighting. B. C. Pretzer. 158,405, May 2.
Fixture, Lighting. J. G. Raben. 158,686–7, May 23.
Fixture, Louvered fluorescent lighting. C. X. Mayer and J. F. Whitehead, Jr. 158,782, May 30.
Flashlamp attachment for cameras, Electrical. F. W. Hertzler. 160,261, Sept. 26.
Flashlight and mirror, Combined. C. R. Bowland. 160,572, Oct. 24.
Flashlight and mirror, Combined. A. Mandell. 158,483, May 9.
Flashlight, coin, key, and cardholder, Combined. V. L. Anderson. 158,035, Apr. 11.
Flashlight, Pin-on. F. E. Garding. 159,607, Aug. 8.
Flatiron. R. E. Kruck. 158,295, Apr. 25.
Flatiron, Electric. D. E. Dailey. 158,842, June 6.
Flatiron, Steam-electric. E. F. Thomson. 157,305, Feb. 14.
Float, Swimming. N. Kahn. 160,712, Oct. 31.
Floor mat or similar article, Automobile. C. E. Sherman. 160,554, Oct. 17.
Floor polisher. E. R. Swann. 158,912, June 6.
Flower pot and stand therefor, Combined. R. Dottavio. 161,092–3, Dec. 5.
Football down marker and indicator, Combined. W. F. Musch and R. S. Katz. 160,270, Sept. 26.
Footplate for roller skate. E. M. Jack. 158,076, Apr. 11.
Foot scraper and shoe cleaner, Combination. A. Shaw. 157,706, Mar. 14.
Foot shield body. J. J. Boughey. 157,124, Feb. 7.
Footstool and receptacle for sewing articles, Combined. E. J. Hubbert. 160,390, Oct. 10.
Force cup. F. E. Grosvold. 159,726, Aug. 15.
Fork, Carving. F. Cassidy. 158,933, June 13.
Fork, Culinary pallet. D. N. Carlson. 160,689, Oct. 31.
Fork or other article of flatware. C. G. Akerlind. 157,117, Feb. 7.
Fork or other article of flatware. H. A. Malinowski. 160,102, Sept. 12.
Fork or similar article. F. Wagner. 159,703, Aug. 8.
Fork or similar article of flatware. J. P. Morgan. 160,414, Oct. 10.
Fork or similar article, Serving. I. L. Hirsch. 157,153, Feb. 7.
Form or the like, Shoe. P. S. McCutcheon. 161,113, Dec. 5.
Fount for kerosene oil lamps. S. Scherr and F. E. Smith. 160,813, Nov. 7.
Fountain, Beverage dispensing. K. D. Huffman. 160,784, Nov. 7.
Fountain brush and marker or the like, Combination. W. C. Marsh. 158,114, Apr. 11.
Fountain pen or pencil clip. D. Kahn. 158,465, May 9.
Fountain pen or the like. W. Green and P. Schladermundt. 159,978, Sept. 5.
Fountain, Portable electric. R. L. R. Bartholomew. 161,154, Dec. 12.
Frame, Aquarium. R. E. Hollick-Smith. 158,074, Apr. 11.
Frame, Belt buckle. S. Bartner. 159,578, Aug. 8.
Frame, Buckle. J. J. Schutz. 157,794, Mar. 21.
Frame, Buckle. H. D. White. 157,810, Mar. 21.
Frame, Buckle. H. D. White. 157,813, Mar. 21.
Frame, Buckle. H. D. White. 157,817, Mar. 21.
Frame, Chair. C. W. Harrison. 161,177, Dec. 12.
Frame, Collapsible backrest. S. Anderson. 157,558, Mar. 7.
Frame for a handbag. M. R. Bienen. 161,156, Dec. 12.
Frame for a wire recorder or similar apparatus. W. P. Lear. 157,608, Mar. 7.
Frame for an automobile lamp lens. H. T. Bannister. 160,464, Oct. 17.
Frame for automobile license plates. O. F. Baumgartner. 159,314, July 18.
Frame for framed photographs for automatic photographic machines. W. Rabkin. 160,013, Sept. 5.
Frame for spectacles. L. Liebowitz. 158,398, May 2.
Frame, Goggle. C. Castelli. 157,938, Apr. 4.
Frame, Handbag. M. H. Randolph. 158,217–18, Apr. 18.
Frame, Handbag. M. H. Randolph. 158,328, Apr. 25.
Frame, Handbag. M. H. Randolph. 158,615, May 16.
Frame, Mirror supporting. E. G. Staude. 158,526, May 9.
Frame, Motorcycle. F. A. Kimberley. 158,197, Apr. 18.
Frame or like article, Hand mirror. L. Marder. 159,428, July 25.
Frame or the like, Spectacle. S. Jonassen. 158,963–72, June 13.
Frame or the like, Spectacle. S. Jonassen. 159,345–8, July 18.
Frame, Picture. P. Cabot. 157,127, Feb. 7.
Frame, Picture. E. J. Moeller. 158,879, June 6.
Frame, Picture. W. H. Ott. 157,405, Feb. 21.
Frame, power lift attachment, and tractor hood, Combined. G. W. Mork. 159,160, June 27.
Frame, Roller skate. E. M. Jack. 158,075, Apr. 11.
Frame, Spectacle. A. L. Anderson and L. W. Myers. 157,021, Jan. 31.
Frame, Spectacle. S. Hochland. 159,065, June 20.
Frame, Spectacle. A. Kono. 158,766, May 30.
Frame, Spectacle. A. Kono. 158,974, June 13.
Frame, Spectacle. F. W. Lindblom. 157,061, Jan. 31.
Frame, Spectacle. L. W. Myers and A. L. Anderson. 157,070–4, Jan. 31.
Frame, Spectacle. F. R. Nesselroth. 158,309–10, Apr. 25.
Frame, Spectacle. F. R. Nesselroth. 159,089, June 20.
Frame, Spectacle. F. R. Nesselroth. 160,109, Sept. 12.
Frame, Spray gun. J. F. Engler. 157,473, Feb. 28.
Frame, Typewriter. G. Beccio. 160,467, Oct. 17.
Frame, War memorial picture. J. N. Scism. 158,519, May 9.
Freezer, Ice cream. F. Se Bastian. 161,214, Dec. 12.
Front for a spectacle frame. W. Goldstein. 159,901, Aug. 29.
Front for an eye shield or similar article. T. V. Paulson. 157,083, Jan. 31.
Front for an ophthalmic mounting. D. A. Atwood. 161,077–9, Dec. 5.
Front, Goggle frame. A. H. Friess. 158,656, May 23.
Frontpiece for a hair ornament. W. F. Feyrer. 160,311, Oct. 3.
Frontpiece for a hair ornament. N. L. Solomon. 160,347, Oct. 3.
Fruit picker. E. L. Wetzig. 160,289, Sept. 26.
Fryer, Electric deep fat. S. J. Budlane and R. Dusek. 158,439, May 9.
Funnel. J. L. Salisbury, Jr. 158,693, May 23.
Furnace, Electric heat-treating. H. E. Koch. 159,215, July 4.
Furnace front. R. C. Jaye. 159,487, Aug. 1.
Furniture base unit. H. M. Rothschild. 159,003, June 13.
Game apparatus. J. Berkowitz. 161,233, Dec. 19.
Game apparatus. E. La Tocha. 158,597, May 16.
Game board. G. O. Adams. 159,571, Aug. 8.
Game board. D. Burton. 157,733, Mar. 21.
Game board. H. Carr and J. B. Fornberg. 160,691, Oct. 31.
Game board. H. A. Covey. 158,053, Apr. 11.
Game board. G. S. Cox. 159,408, July 25.
Game board. T. D'Addario. 160,251, Sept. 26.
Game board. E. E. Darr. 161,248, Dec. 19.
Game board. R. V. De Voy. 160,374, Oct. 10.
Game board. J. W. Fleming. 158,950, June 13.
Game board. N. D. Goldstein. 157,950, Apr. 4.
Game board. F. R. Graves. 157,861, Mar. 28.
Game board. A. D. Hernandez. 157,590, Mar. 7.
Game board. J. H. Hill. 157,680, Mar. 14.
Game board. A. L. Hirst and V. M. Bullock. 160,172, Sept. 19.
Game board. B. L. Hise. 160,601, Oct. 24.
Game board. R. Z. Jacobson. 156,734, Jan. 3.
Game board. L. J. Kalvig. 160,863, Nov. 14.
Game board. A. H. Keast. 159,735, Aug. 15.
Game board. W. O. King. 157,500, Feb. 28.
Game board. E. E. Kloss. 160,719, Oct. 31.
Game board. F. W. Leonow. 157,385, Feb. 21.

Game board. L. E. Lindgard. 158,773, May 30.
Game board. I. Lomsky. 160,509–10, Oct. 17.
Game board. D. Lundgren. 156,980, Jan. 24.
Gameboard. G. Madieu. 161,352, Dec. 26.
Game board. S. Morris. 158,886–8, June 6.
Game board. S. J. Newman. 157,077, Jan. 31.
Game board. V. S. Packard. 158,996, June 13.
Game board. M. H. Perstein. 159,000, June 13.
Game board. M. W. Pulis. 160,211, Sept. 19.
Game board. H. A. Reising. 159,928, Aug. 29.
Game board. J. Scarne. 159,006, June 13.
Game board. J. O. Seguin. 158,807, May 30.
Game board. M. M. Seiferth. 159,933, Aug. 29.
Game board. J. Sneal. 159,011, June 13.
Game board. V. E. Soderquist. 159,012, June 13.
Game board. E. P. Truesdale. 157,450, Feb. 21.
Game board. A. V. Wagner. 159,453, July 25.
Game board. C. J. Waugh. 160,675, Oct. 24.
Game board. W. J. Weir. 158,823, May 30.
Game board. F. W. Whetstone. 159,124, June 20.
Game board. O. Willaert. 158,032, Apr. 4.
Game board, Backgammon. U. Othon. 160,525, Oct. 17.
Gameboard, Baseball. E. B. Mang, Jr. 158,988, June 13.
Game board, Bowling. E. J. Francis. 160,850, Nov. 14.
Game board, Captive ball. J. A. Mettler. 160,953, Nov. 21.
Game board, Educational. F. R. Bossart. 159,405, July 25.
Game board, Wheel puzzle. J. Raska. 158,129, Apr. 11.
Game chip rack and ash tray or the like, Combined. M. Greitzer. 159,903, Aug. 29.
Game chip rack and ash tray or the like, Combined. M. Greitzer. 160,166, Sept. 19.
Game device. R. F. Brennan. 158,836, June 6.
Game device. H. H. Heidman. 158,855, June 6.
Game device. M. Marks. 158,112, Apr. 11.
Game device, Tethered ball. S. Lang. 159,492, Aug. 1.
Game device, Tethered ball. S. Lang. 161,190, Dec. 12.
Game piece. W. J. Weir. 159,941, Aug. 29.
Game table. C. E. Waltman. 158,822, May 30.
Game table, Shuffleboard. R. Bazelon. 161,081, Dec. 5.
Garment hanger or similar article, Combination. F. J. Geisler. 157,040, Jan. 31.
Garment or similar article, Child's combination. M. B. Turner. 158,028, Apr. 4.
Garter grip. F. S. Clark. 161,002, Nov. 28.
Gauge. W. K. Dow. 158,945, June 13.
Gauge, Marking. M. E. Nowak. 157,404, Feb. 21.
Gauge, Marking. H. R. Rippon. 160,541, Oct. 17.
Gauge, Rain. F. L. Vernon. 157,804, Mar. 21.
Gauge, Tire pressure. D. J. Battersby. 156,807, Jan. 10.
Gear case for a stringed musical instrument tuning head. J. E. Kluson. 160,397–400 Oct. 10.
Gem setting or similar article. J. Weiss. 158,425, May 2.
Generator, Aerosol. J. W. Hession, Jr. 159,615, Aug. 8.
Girdle. P. Z. Gordon. 157,754, Mar. 21.
Girdle. L. Handler. 157,758, Mar. 21.
Girdle. M. Kahn. 157,869, Mar. 28.
Girdle. L. Zimmerman. 158,034, Apr. 4.
Girdle and panty, Combination. L. Zimmerman. 159,401, July 18
Girdle or the like. J. Glosios. 160,162, Sept. 19.
Glass, cigarette, and ash receiver, Combination. M. Schulz. 159,396, July 18.
Glass, Drinking. F. R. Mathews and H. L. Blanton. 157,399, Feb. 21.
Glass, Drinking. A. Sloan. 156,921, Jan. 17.
Glass, Drinking. A. Sloan. 157,445, Feb. 21.
Glass, Highball. W. T. Heintze. 157,491–2, Feb. 28.
Glass, Liquor measuring. R. H. Freshley. 157,364, Feb. 21.
Glass or the like, Cocktail. J. Strauss. 159,557, Aug. 1.
Glass plate or article of similar nature. T. C. Heisey. 160,860, Nov. 14.
Glass retainer and spoon holder, Combination. V. M. Sengstack. 160,667, Oct. 24.
Glass, Sherbet. M. G. Yutzey. 160,356, Oct. 3.
Glasses, Pair of sun. A. S. Jonaitis. 159,344, July 18.
Glasses, Visored sun. B. J. Lowres. 158,987, June 13.
Globe for lighting fixtures. P. C. Perrin. 160,011, Sept. 5.
Glove. M. Blanc. 157,331, Feb. 21.
Glove. J. H. Brandvein. 160,362, Oct. 10.
Glove. A. Lamb. 158,474, May 9.
Glove. R. B. Wilson. 160,235, Sept. 19.
Glove holder and handbag support, Combined. L. G. Meyers. 159,834, Aug. 22.
Glove holding attachment for a handbag or similar article. L. I. Solmonson. 160,225, Sept. 19.
Glove holding attachment for handbags or the like. P. Weinberg. 159,114–20, June 20.
Goblet. E. M. Bottome. 158,549, May 16.
Goblet. C. W. Carlson. 159,046, June 20.
Goblet. M. Glass. 159,724, Aug. 15.
Goblet. F. R. Helms. 158,576, May 16.
Goblet. G. Sakier. 156,770, Jan. 3.
Goblet. M. G. Yutzey. 156,800, Jan. 3.
Goblet. M. G. Yutzey. 160,352–5, Oct. 3.
Goblet. M. G. Yutzey. 160,452, Oct. 10.
Goblet, Hollow stem crystal beer. W. A. Meier. 161,115, Dec. 5.
Goblet or similar article. T. C. Heisey. 159,730, Aug. 15.
Goblet or similar article. C. J. Uhrmann. 158,234, Apr. 18.
Golf club. J. A. Karns. 160,396, Oct. 10.
Golf club head. A. R. Jamison. 159,068, June 20.
Golf game apparatus. V. L. Tannehill. 160,979, Nov. 21.
Golf swing and line indicator, Combined. R. J. Sherwin. 158,622, May 16.
Golf tee. S. J. Rogers. 161,283, Dec. 19.
Grader, Hair texture. R. E. Grigsby. 156,728, Jan. 3.
Grate, Fireplace. N. C. Bergeron. 160,686, Oct. 31.
Grater and dispenser, Soap. J. H. Crichton. 157,348, Feb. 21.
Grease gun. B. A. Beaver. 158,832, June 6.
Greeting card with compartments for the insertion of panels. M. F. Garrett. 159,974, Sept. 5.
Griddle. O. A. Layne. 156,977, Jan. 24.
Grill. S. D. Foss. 157,480, Feb. 28.
Grill, Barbecue. A. B. Barnhart. 161,080, Dec. 5.
Grill for automobiles, Radiator. G. P. Lennartz. 160,184, Sept. 19.
Grill for ventilating fans. J. R. Corbett. 160,371, Oct. 10.
Grille, Automobile. H. T. Bannister. 160,458, Oct. 17.
Grille, Automobile hood ventilator. B. R. Lewis and J. L. Slocum. 159,817, Aug. 22.
Grille bar, Automobile radiator. H. T. Bannister. 160,463, Oct. 17.
Grille bar, Automobile radiator. E. O. Sheard. 160,549, Oct. 17.
Grille guard, Automobile. H. M. Jenkins, Jr. 160,788, Nov. 7.
Grille or the like, Air inlet. G. H. Koch. 158,672, May 23.
Grille or the like, Door. J. E. Lindstrom. 160,508, Oct. 17.
Grille panel for an automobile. H. T. Bannister. 160,466, Oct. 17.
Grille plate or similar article, Air register. A. C. Wesche. 156,790, Jan. 3.
Grille, Ventilator. R. V. Pfautsch. 161,037, Nov. 28.
Grinder, Coffee. R. L. Schuhmann. 158,901, June 6.
Grinder, Food. R. N. Kircher and L. E. Finch. 161,270, Dec. 19.
Grinder, Food. D. L. Marcantonio. 157,395–6, Feb. 21.
Grinder or the like. W. G. Stenback. 160,749, Oct. 31.
Gripper, Cap. J. Drazick. 156,709, Jan. 3.
Gripping device, Cable dead-end. S. P. Becker, R. B. Schoonmaker, and H. R. Wengen. 158,171, Apr. 18.
Guard, Automobile gasoline door. P. E. Allen. 158,168–70, Apr. 18.
Guard, Automobile grille. H. and J. E. Poncher. 157,426, Feb. 21.
Guard, Automobile grille. H. and J. E. Poncher. 159,392, July 18
Guard, Finger ring. P. Grafstein. 157,755, Mar. 21.
Guard for a motor vehicle, Bumper. M. J. O'Leary. 159,222, July 4.
Guard for an automobile, Detchable front fender. W. G. Hepner. 159,810, Aug. 22.
Guard for an automotive vehicle, Gasoline door. B. Barr. 159,945, Sept. 5.
Guard for automobile radiators, Grille. H. Phillips. 159,437, July 25.
Guard, Grille. L. M. D. Bailey. 157,318, Feb. 21.
Guard, Grille. M. Browneye, and L. and T. R. Helms. 159,951, Sept. 5.
Guard or similar article, Automotive grill. M. J. Rubel. 158,802, May 30.
Guard or similar article, Fender. H. Bookman. 157,334, Feb. 21.
Guide, Curtain rod. M. E. Prouse. 159,442, July 25.
Guide, Radio symbol. J. W. Adams. 156,686, Jan. 3.
Gun sight. W. Falkenhagen. 159,899, Aug. 29.
Gun sight. H. A. Williams. 161,073, Nov. 28.
Gun, Spray. S. E. Edelstone and A. L. Jenks. 159,897, Aug. 29.
Gun, Spray. L. E. Pavey and A. A. Coe. 159,162, June 27.
Gun, Spray. D. J. Peeps. 158,121, Apr. 11.
Gun, Underwater spear. J. K. La Trell. 159,082, June 20.
Gun, Water. A. Bicos. 159,040, June 20.
Gymnasium and playground apparatus. I. Horowitz. 160,320, Oct. 3.
Hack saw. J. H. Carlson. 160,574, Oct. 24.
Hack saw. R. D. Clemson. 159,957, Sept. 5.
Hairbrush. K. C. Fay. 157,248, Feb. 14.
Hairbrush. L. H. Gustafson and L. J. Halberstadt. 159,981, Sept. 5.
Hairbrush. P. Muller-Munk. 156,757, Jan. 3.
Hairbrush, Duplex. F. Nussbaum. 159,361, July 18.
Hair curler. W. H. H. Davis and F. V. Schleimer 160,373, Oct. 10.
Hair curler. R. M. McFadden. 158,301, Apr. 25.
Hair curler. T. B. Sparks. 157,297, Feb. 14.
Hair curler and comb, Combined. N. I. George. 158,065, Apr. 11.
Hair cutting and shaping device. R. E. Lee. 159,994, Sept. 5.
Hair pin and frame for setting pin curls, Combined. W. K. Fairchild. 157,357, Feb. 21.
Hammer. M. Marthinsen. 161,034, Nov. 28.
Hamper. A. Caccia. 158,714, May 30.
Hamper, Vanity. P. Wilks. 156,793, Jan. 3.
Handbag. C. Feigl. 157,852, Mar. 28.
Handbag. S. Hyman. 156,962, Jan. 24.

Handbag. S. Kitzes. 157,984, Apr. 4.
Handbag. M. Klotz. 159,214, July 4.
Handbag. C. N. Munn. 157,889, Mar. 28.
Handbag. C. N. Munn. 159,919, Aug. 29.
Handbag. S. Nessimoff. 161,362, Dec. 26.
Handbag. L. S. Schlessinger. 159,299, July 11.
Handbag. P. Spindell. 156,779–81, Jan. 3.
Handbag. A. Wirklich. 158,167, Apr. 11.
Handbag and muff, Combined. L. Lipshutz. 156,979, Jan. 24.
Handbag, Lady's. L. M. Cohan. 160,475, Oct. 17.
Handbag, lunchbox, and vacuum bottle, Combined. W. Ruml, Jr. 158,897, June 6.
Handbag or similar article. A. Rothchild. 160,021, Sept. 5.
Handbag or similar article, Lady's. G. G. Rona. 158,691, May 23.
Handbag, shopping bag, and memoranda holder, Combined. J. Kiernan. 157,266, Feb. 14.
Hand-cart. W. M. Huber. 157,597, Mar. 7.
Hand rest, Manicurist's. W. J. Hudson and A. W. Scheier. 161,182, Dec. 12.
Handsaw, Electric. B. B. Butz. 159,323, July 18.
Handle. C. L. C. Bartman. 160,055, Sept. 12.
Handle. C. W. Sundberg. 159,303, July 11.
Handle and clamping ring for pressure cookers, Combined. J. L. Hvale. 158,664, May 23.
Handle and handle posts, Combined. C. L. C. Bartman. 160,054, Sept. 12.
Handle, Automobile door. P. and G. J. Friedman. 160,489, Oct. 17.
Handle, Automotive vehicle inside door. A. J. Gonas. 161,018, Nov. 28.
Handle, Automotive vehicle window regulator. A. J. Gonas. 161,019, Nov. 28.
Handle, Automotive vehicle window regulator. G. M. Haviland. 161,022, Nov. 28.
Handle, Basket. W. T. Jones. 161,268, Dec. 19.
Handle, Cutlery. J. Gross. 157,863, Mar. 28.
Handle, Electric fence gate. E. R. Blandin. 160,244, Sept. 26.
Handle, Faucet. S. A. Young. 157,312, Feb. 14.
Handle, Fishing rod. E. Meierjohan. 156,984, Jan. 24.
Handle for a brief case or similar article. H. Schneider. 160,894, Nov. 14.
Handle for a burial casket. P. Schladermundt. 161,386–8, Dec. 26.
Handle for a container cap. A. H. Jung. 156,736, Jan. 3.
Handle for a cooking utensil. A. W. Duncan. 161,166–7, Dec. 12.
Handle for a scraping tool. P. L. Marzuoli and J. B. O'Hara. 156,905, Jan. 17.
Handle for a wax paper milk container or similar article. A. V. Olson. 159,292, July 11.
Handle for coffee makers. H. K. Foster. 160,849, Nov. 14.
Handle for coffee pots or the like. W. T. Jones. 159,989, Sept. 5.
Handle for cooking utensils and the like. J. L. Hvale. 160,089, Sept. 12.
Handle for cooking utensils or the like. T. Hess. 157,677–9, Mar. 14.
Handle for dental instruments. H. Friedman. 160,160, Sept. 19.
Handle for kitchen utensils or similar articles. W. C. Lueneburg and J. L. Hvale. 157,612, Mar. 7.
Handle for kitchen utensils or similar articles. F. Wagner. 160,980–1, Nov. 21.
Handle for mirror or like article. L. Marder. 159,427, July 25.
Handle for stoves or the like. K. Rettich. 161,376, Dec. 26.
Handle for table flatware. A. M. Guior. 157,587, Mar. 7.
Handle, Illuminating tool. C. R. Hettrick. 160,707, Oct. 31.
Handle, Knife. H. M. Gustafson. 158,460, May 9.
Handle, Lamp guard. H. B. Gould. 158,658, May 23.
Handle, Luggage. J. Neumann. 157,778, Mar. 21.
Handle or the like. F. Buehner. 159,321–22, July 18.
Handle, Package carrying. B. R. Glukes. 157,859, Mar. 28.
Handle post. M. H. Randolph. 160,339–40, Oct. 3.
Handle, Tool. E. D. Maxwell. 157,883, Mar. 28.
Handle, Umbrella. D. Miller. 160,519, Oct. 17.
Handle, Vehicle outside door. W. L. Mitchell. 158,305, Apr. 25.
Hanger. L. F. Francis. 158,062, Apr. 11.
Hanger, Adjustable garment. J. A. Saunders. 157,089, Jan. 31.
Hanger, Bridal dress. F. M. Herwitz. 158,072, Apr. 11.
Hanger, Clothes. I. L. Austensen. 159,944, Sept. 5.
Hanger, Clothes. H. G. Kongieser and C. W. Weickers. 160,790, Nov. 7.
Hanger, Clothes. I. Savran. 159,538, Aug. 1.
Hanger, Coat. R. Patrick. 158,000, Apr. 4.
Hanger, Coat and hat. C. F. Morris. 158,493, May 9.
Hanger, Coat and pants. H. W. Lormor. 157,273, Feb. 14.
Hanger for coat and trousers or similar article. A. P. Gately. 158,952, June 13.
Hanger for picture frame or the like. H. Mandel. 158,482, May 8.
Hanger for vacuum cleaners or the like. J. J. Kowalewski. 157,763, Mar. 21.
Hanger, Garment. R. K. Odor. 158,497, May 9.
Hanger, Garment. P. R. Pontious. 159,664, Aug. 8.
Hanger, Garment. A. S. Präger. 159,532, Aug. 1.
Hanger, Garment. S. A. Schwartz and J. E. Bass. 157,911, Mar. 28.
Hanger, Garment. S. Simon. 159,554, Aug. 1.
Hanger, Garment. E. D. Tobin. 158,530, May 9.
Hanger, Garment. J. Weiss. 161,400, Dec. 26.
Hanger, Garment. V. Zalonis. 158,922, June 6.
Hanger, Skirt and garment. G. L. Goetsch. 156,953, Jan. 24.
Hanger, Trouser. A. E. Wurtz. 161,401, Dec. 26.
Hassock. A. Saccoccia. 161,211, Dec. 12.
Hat. E. N. Graham. 157,369–70, Feb. 21.
Hat. C. E. Thill. 160,443, Oct. 10.
Hat or the like. H. Z. Chamberlin. 157,340, Feb. 21.
Hat or the like. L. Gammon. 157,485, Feb. 28.
Hat or the like. D. P. Litwin. 160,095, Sept. 12.
Headboard, Bed. R. W. Stavely. 160,130, Sept. 12.
Headlight, Automobile. A. F. Vlautin. 159,178, June 27.
Heater. H. L. Bourner. 157,834, Mar. 28.
Heater. H. L. Bourner. 159,888–9, Aug. 29.
Heater. J. F. King and J. N. White. 158,293, Apr. 25.
Heater. R. Ten Eyck. 157,644, Mar. 7.
Heater. D. H. Wyatt. 159,242, July 4.
Heater, Fireplace type radiant. J. L. Raulston. 159,926, Aug. 29.
Heater for box toe blanks and the like. R. B. Harrison. 160,085, Sept. 12.
Heater for stock watering tanks or the like, Float type immersion. J. T. Landgraf. 158,476, May 9.
Heater, Gas. J. N. White and J. F. King. 158,348, Apr. 25.
Heater, Gas. J. N. White and J. F. King. 160,044, Sept. 5.
Heater or similar article, Electric room. I. Pass. 157,512, Feb. 28.
Heater or similar article, Overhead. H. R. Greene. 160,939, Nov. 21.
Heater or similar article, Overhead radiant space. H. R. Greene. 161,259–60, Dec. 19.
Heater or similar article, Overhead space. H. R. Greene. 160,938, Nov. 21.
Heater, Portable electric. L. W. Sell and C. E. Jones. 159,008, June 13.
Heater, Portable space. D. Chapman. 157,659, Mar. 14.
Heater, Space. W. S. Davis. 157,131, Feb. 7.
Heater, Unit. C. W. Sundberg. 158,231, Apr. 18.
Heating and utensil supporting unit, Electric. C. L. Otto. 159,091, June 20.
Heating appliance, Beverage. G. C. Gettelman. 156,724–6, Jan. 3.
Heel and soleplate for shoes. S. Gerdodian. 161,331, Dec. 26.
Heel, Shoe. F. N. Grasberger. 161,102, Dec. 5.
Helicopter. C. A. Barnett. 157,323, Feb. 21.
Hen's nest. L. B. Thomas. 160,444, Oct. 10.
High chair and table, Combined. L. Gottfried. 158,069, Apr. 11.
High chair, Collapsible. A. T. Kvarnstrom. 160,633, Oct. 24.
Hinge, Toilet seat. R. H. Lillyblad and J. A. Broersma. 157,272, Feb. 14.
Hitch, Trailer. L. D. Gee. 158,372, May 2.
Hobbyhorse. J. J. Couzens. 158,251, Apr. 25.
Hobbyhorse. E. F. Shores. 160,345, Oct. 3.
Hobbyhorse or similar article. M. R. Whitney. 159,705, Aug. 8.
Holder and bottle unit, Combined. A. Merke. 159,746, Aug. 15.
Holder and dispenser, Duplex condiment. J. L. Lyons. 156,752, Jan. 3.
Holder, Bobbin. H. V. Reynolds. 160,272, Sept. 26.
Holder, Bobby pin. N. L. Solomon. 160,440, Oct. 10.
Holder, Book. J. B. Gooken. 161,333, Dec. 26.
Holder, Bottle. D. L. Halcomb. 157,371, Feb. 21.
Holder, Bottle. J. C. Todd. 157,925, Mar. 28.
Holder, Candle. R. Törnström. 161,295, Dec. 19.
Holder, Card. J. P. Patton. 157,082, Jan. 31.
Holder, Certificate. J. M. Schumann. 160,746, Oct. 31.
Holder, Child's crayon and scissors. W. S. Gass. 160,161, Sept. 19.
Holder, Child's slipper. A. H. and L. M. Douglas. 159,893–5, Aug. 29.
Holder, Cigarette. C. S. Beller. 158,833, June 6.
Holder, Cigarette package. D. Franklin. 157,483, Feb. 28.
Holder, Cigarette package. L. Moss. 160,194, Sept. 19.
Holder, Coin. L. C. Jones. 158,579, May 16.
Holder, Comb. X. J. Doty. 159,054, June 20.
Holder, Combined bobby pin and perfume. J. Weiss. 160,232, Sept. 19.
Holder, Combined bobby pin and perfume. J. Weiss. 161,071, Nov. 28.
Holder, Combined cigarette and lighter. E. Sohn and F. San Giovanni. 157,097, Jan. 31.
Holder, Combined collar and tie. F. L. Boehlert. 157,730, Mar. 21.
Holder, Combined handbag and umbrella. G. Weinstein. 159,767, Aug. 15.

Holder, Combined straw and napkin. E. J. Weaver, Jr. 159,113, June 20.
Holder, Condiment container. E. R. Gillette. 161,015, Nov. 28.
Holder, Corn Cob. J. O. Reinecke. 157,001, Jan. 24.
Holder, Document. B. Bamford. 159,576, Aug. 8.
Holder, Electric lamp. C. J. Sternaman. 161,294, Dec. 19.
Holder, Enclosed knife. R. B. Hout and C. V. Ufnal. 156,960, Jan. 24.
Holder, Fishing pole. C. D. Wortman. 157,716, Mar. 14.
Holder, Flatiron cord. L. Johnson. 159,625, Aug. 8.
Holder, Flower. W. H. McCallum and R. I. McLellan. 159,658, Aug. 8.
Holder, Fluorescent lamp. D. Lane. 160,870, Nov. 14.
Holder for an umbrella and gloves or the like, Combined. V. Silson. 159,232, July 4.
Holder for bobby pins or the like. C. W. Ball. 158,353, May 2.
Holder for bottles or the like, Dispensing. E. F. Bushman. 159,596, Aug. 8.
Holder for boxes of cleansing tissues. O. W. Watkins. 159,022, June 13.
Holder for cosmetic preparations or the like, Multiple. J. Norriss. 161,036, Nov. 28.
Holder for loose-leaf sheets. F. Cleiff. 159,472, Aug. 1.
Holder for manicuring abrasive strip. H. S. Heineman. 158,280, Apr. 25.
Holder for match folders. W. N. Bachman. 160,455, Oct. 17.
Holder for napkins. P. Beghetti. 156,933, Jan. 24.
Holder for playing cards. L. Ungar. 160,906, Nov. 14.
Holder for sewing accessories. W. J. Boyle. 158,246, Apr. 25.
Holder for sewing accessories. D. E. Formhals. 156,950, Jan. 24.
Holder for tissues or the like. H. S. Chase and G. C. Mathes. 160,921, Nov. 21.
Holder for vacuum cleaners of the tank or cylinder type. J. B. Davey. 159,960–1, Sept. 5.
Holder for vacuum coffee makers. J. G. Temmer. 157,545, Feb. 28.
Holder, Glasses case. E. J. and M. J. Ackerman. 161,151, Dec. 12.
Holder, Ham. W. W. Hubenet. 158,961, June 13.
Holder, Iron. E. L. Wilson. 158,426, May 2.
Holder, Iron cord. O. Nelson. 159,288, July 11.
Holder, Key ring. L. E. Jackson. 159,984, Sept. 5.
Holder, Knife. R. S. Thatcher. 158,816, May 30.
Holder, Ledger. J. R. Huber and H. J. Wise. 158,749, May 30.
Holder, License plate. C. M. Harmer. 160,496, Oct. 17.
Holder, Lipstick. G. Piccoli. 161,051, Nov. 28.
Holder, Lipstick. A. E. Vaughn. 159,020, June 13.
Holder, Madonna candle. C. V. Sears. 156,777, Jan. 3.
Holder, Memo pad. G. B. Miller. 161,358, Dec. 26.
Holder, Memorandum card and pencil. G. Knorr. 159,645, Aug. 8.
Holder, Memorandum pad. H. K. Peterson. 158,785, May 30.
Holder, Milk carton. C. W. Collinet. 157,128, Feb. 7.
Holder, Multiple condiment. A. B. J. and J. I. Dokus. 158,939–43, June 13.
Holder, Multiple memorandum pad. M. M. Wolfe. 157,715, Mar. 14.
Holder, Napkin. P. Beghetti. 156,932, Jan. 24.
Holder, Napkin. L. Hutzler. 160,088, Sept. 12.
Holder, napkins, and container therefor, Combined napkin. R. I. Sanger. 159,005, June 13.
Holder, Necktie. V. T. Howard. 159,620, Aug. 8.
Holder, Necktie. D. B. Kauffman. 156,741, Jan. 3.
Holder, Nursing bottle. M. E. De Clerck. 158,938, June 13.
Holder or similar article, Coin. R. R. Ward. 160,231, Sept. 19.
Holder or similar article, Floodlight. P. G. Stone. 157,801, Mar. 21.
Holder or similar article, Flower. D. Eisenberg. 159,194, July 4.
Holder or similar article, Flower. D. Eisenberg. 159,789, Aug. 22.
Holder or similar article, Flower. H. H. Isard. 161,341, Dec. 26.
Holder or similar article, Flower. N. W. Roop. 160,892, Nov. 14.
Holder or similar article, Flowerpot. A. J. Giese. 160,781, Nov. 7.
Holder or similar article, Illuminable house number. J. W. Rackle. 160,535, Oct. 17.
Holder or similar article, Scarf. J. Wolff. 158,919, June 6.
Holder or similar article, Tie. W. White. 157,651, Mar. 7.
Holder or similar article, Tube dispensing. T. M. Moffitt. 156,908, Jan. 17.
Holder or the like, Broom. F. E. Kabase. 161,343–4, Dec. 26.
Holder or the like, Calendar. M. J. Manetti. 158,484, May 9.
Holder or the like, Cravat. F. W. Moulson. 160,003, Sept. 5.
Holder or the like, Key. C. F. Degner. 160,254, Sept. 26.
Holder, Paper towel roll. A. A. Perelman. 161,199, Dec. 12.
Holder, Phonograph record. A. M. Rauch and J. M. Collyer. 160,015, Sept. 5.
Holder, Pot cover. P. Redlich and E. C. Steiner. 161,206, Dec. 12.
Holder, Ribbon. M. B. Zeglen. 156,801, Jan. 3.
Holder, Rotary card. G. Browning. 161,157, Dec. 12.
Holder, Soapbox. M. E. Cooney. 158,356, May 2.
Holder, Spoon. E. C. Sasse. 160,745, Oct. 31.
Holder, Telephone number. H. B. Hampton. 158,574, May 16.
Holder, Telephone register. L. Lieder. 160,724, Oct. 31.
Holder, Tie. O. V. Anderson. 160,051, Sept. 12.
Holder, Toilet bowl brush. F. Ragusa. 158,504, May 9.
Holder, Toilet tissue. G. Ransburg. 160,739, Oct. 31.
Holder, Toilet tissue. P. F. Simpson. 158,141, Apr. 11.
Holder, Toothbrush. G. A. Hallenscheid. 157,149, Feb. 7.
Holder, Towel. B. A. Terlinde. 159,018, June 13.
Holder, Tube. C. D. Adelsperger. 159,882–3, Aug. 29.
Holder, Tumbler. G. A. Hallenscheid. 157,147, Feb. 7.
Holder, Utensil. R. F. Gardner. 161,171, Dec. 12.
Holder, Wire soap. I. Morse. 160,329–30, Oct. 3.
Holder, Yarn. A. B. Delucchi. 161,250, Dec. 19.
Holding device, Card. S. P. Shipman. 157,914, Mar. 28.
Holding device for aiding correct English speech, Tongue and lip. Y. Gee. 160,490, Oct. 17.
Homogenizer. W. Watling. 158,916, June 6.
Homogenizing attachment. I. L. Lopata. 158,109, Apr. 11.
Hood for securing means of money bags or the like. P. F. D'Aleo. 160,928, Nov. 21.
Hook for automobiles, Coat hanger supporting. C. Lee and C. Johnson. 157,878, Mar. 28.
Hook, Garment hanger. J. J. Fiechter. 159,261, July 11.
Hook, Interlocking. G. T. Brummel. 160,994, Nov. 28.
Hook, Robe. G. A. Hallenscheid. 157,148, Feb. 7.
House number and doorbell unit, Combination. C. W. Ferris. 156,718, Jan. 3.
Household heater and laundry drier, Combined. G. B. Herbster. 160,599, Oct. 24.
Housing and grill, Combined loud-speaker. E. R. Ethington. 158,449, May 9.
Housing and mounting for magnetic tape record handling apparatus, Combined. F. J. Reed and L. J. Bobb. 156,841, Jan. 10.
Housing, Automobile lamp. H. W. Pilkey and H. J. Keane. 158,216, Apr. 18.
Housing, Clock. B. Lerman. 161,348, Dec. 26.
Housing, Cup dispenser. F. H. Lewis. 158,106. Apr. 11.
Housing for an automobile hood, Medallion. H. T. King. 160,502, Oct. 17.
Housing for an automobile lamp lens. A. J. Kaminski. 158,289, Apr. 25.
Housing for an automobile medallion. H. T. Bannister. 160,761, Nov. 7.
Housing for an automobile rear deck lid handle. T. R. Lent-Koop. 160,507, Oct. 17.
Housing for an electric lighting fixture, Shell. O. Lundquist. 158,209, Apr. 18.
Housing for automobile lamps, Lens. E. A. Dunning. 157,850, Mar. 28.
Housing for automobile lamps, Lens. C. W. Hood. 158,284, Apr. 25.
Housing for automobile lamps, Lens. C. W. Hood. 158,286, Apr. 25.
Housing for automobile lamps, Lens. H. W. Pilkey. 160,806, Nov. 7.
Housing for automobile lamps, Lens. D. E. Scott. 160,814, Nov. 7.
Housing for combination space heater and loudspeaker. D. Sandler. 158,220, Apr. 18.
Housing, Lamp. J. T. Armbruster. 159,312, July 18.
Housing, Lens. H. T. Bannister. 160,460, Oct. 17.
Housing, Light measuring instrument. W. Warren. 156,858, Jan. 10.
Housing, Polishing machine. W. E. Holt. 158,577, May 16.
Housing, Rotary mower. J. G. Doyle. 161,008, Nov. 28.
Housing, Spotlight. T. Nerman. 157,182, Feb. 7.
Housing, Thermostat. A. O. Hensel. 159,982, Sept. 5.
Hub, Bicycle. J. Rosten. 157,539, Feb. 28.
Hub cap, Wheel. A. Ross. 160,127, Sept. 12.
Hull, Boat. H. A. Thurmond. 159,175, June 27.
Humidifier, Room. A. L. Feldman and I. Schneid. 160,310, Oct. 3.
Ice cube maker. K. W. Mackenzie. 159,914, Aug. 29.
Ice tub or article of similar nature. T. C. Helsey. 156,885, Jan. 17.
Illuminator, Keyhole. A. I. Feuerman. 157,035, Jan. 31.
Implement, Culinary. M. Harvey. 159,338, July 18.
Implement, Thread picking and seam ripping. C. E. McNutt. 158,677, May 23.
Imprinter, Portable name. J. Brenner. 160,469, Oct. 17.
Index, Memorandum. R. E. Gordenier. 159,977, Sept. 5.
Indicating device, Card game score. H. M. Sullivan. 158,420, May 2.
Indicator, Baseball team standing. R. C. Foye. 159,058, June 20.
Indicator, Cable tension. C. E. Cushman. 157,032, Jan. 31
Indicator, Delivery. J. J. Choflin and A. J. Augustine. 158,840, June 6.
Inhalator, Nasal. M. R. Fields. 156,720, Jan. 3.

Inhalator, Oral. M. R. Fields. 156,719, Jan. 3.
Inkwell unit, Desk. H. C. Klagges and H. E. Steinberg. 157,267, Feb. 14.
Instrument, Drawing. L. A. Smitzer. 157,710, Mar. 14.
Instrument, Eating. A. Molitor. 158,307, Apr. 25.
Instrument, Educational and recreational. R. Kahn. 159,416, July 25.
Instrument, Electrical musical. G. H. Stephens. 158,625, May 16.
Instrument, Eye testing. C. A. Ellis. 160,847, Nov. 14.
Instrument, Stringed musical. E. H. Alkire. 161,075, Dec. 5.
Instrument, Writing. T. Kovács. 160,180, Sept. 19.
Insignia or similar article, Military. E. Will. 159,879, Aug. 22.
Insulating body for an electric capacitor. E. J. Hiles. 157,760, Mar. 21.
Insulator, Antennae. H. E. Arnold and G. W. Saffran. 160,915, Nov. 21.
Insulator, Antenna. B. M. Craig. 160,076, Sept. 12.
Intercommunication unit or the like. B. J. Zapolski. 159,458, July 25.
Iron, Electric. M. Ireland. 159,732, Aug. 15.
Iron, Electric. R. B. Lincoln. 158,674, May 23.
Iron, Electric. E. E. Lohbauer. 159,497, Aug. 1.
Iron, Electric. M. McGraw and A. E. Cosgrove. 159,503–504, Aug. 1.
Iron, Electric. J. O. Reinecke. 159,665, Aug. 8.
Iron, Facial massage. E. Krause. 157,605, Mar. 7.
Iron or similar article, Electric. R. I. Huffman. 160,087, Sept. 12.
Iron, Waffle. N. Milano. 157,614, Mar. 7.
Ironer and stand, Combined. J. J. Getgey. 157,140, Feb. 7.
Ironing board. C. Buser. 159,952, Sept. 5.
Irrigating apparatus. E. O. Pratt. 157,900, Mar. 28.
Jack, Hydraulic. F. M. Siedenburg. 158,695, May 23.
Jacket. B. Cashin. 157,566, Mar. 7.
Jacket. M. Eisenberg. 160,583, Oct. 24.
Jacket. S. Etkin. 157,246, Feb. 14.
Jacket. S. Etkin. 158,568–9, May 16.
Jacket, Clock. P. Zwingenberger. 158,428, May 2.
Jacket for pneumatic tires or similar article, Antiskid. C. R. Kennedy. 158,668–9, May 23.
Jacket, Molding. R. J. Hines. 158,281, Apr. 25.
Jacket or similar article. H. Mandelbaum. 160,799, Nov. 7.
Jacket or similar article. H. Mandelbaum. 160,801, Nov. 7.
Jar. S. Miller and A. C. Emelin. 159,835, Aug. 22.
Jar. J. L. Parentice. 157,414, Feb. 21.
Jar. F. Smith. 159,169, June 27.
Jar, Candy. M. G. Yutzey. 156,929, Jan. 17.
Jar, Complexion cream. L. H. Singer and E. M. Corper. 160,819, Nov. 7.
Jar, Cooky. J. L. Parentice. 157,511, Feb. 28.
Jar, Covered glass candy. T. C. Heisey. 159,985, Sept. 5.
Jar for dispensing ground coffee. H. C. Gessler. 159,798, Aug. 22.
Jar, Hand lotion dispensing. A. Morris. 156,986, Jan. 24.
Jardiniere. G. Sakier. 156,769, Jan. 3.
Jewelry charm or the like. L. Pollock. 160,735, Oct. 31.
Jewelry component or similar article. K. C. Augenstein. 160,137, Sept. 19.
Jewelry component or similar article. K. C. Augenstein. 160,916, Nov. 21.
Jewelry pendant or similar article. M. Chernow. 160,301, Oct. 3.
Jig saw and sander, Combined electrical. E. L. Hoffmann and A. L. Atkins. 161,025, Nov. 28.
Jigger. R. L. Sandefur. 158,412, May 2.
Jointer. C. B. Stevens. 156,923, Jan. 17.
Jug, Ball. J. L. Parentice. 157,413, Feb. 21.
Jug, Beater. J. L. Parentice. 157,411, Feb. 21.
Jug, Covered. J. L. Parentice. 157,412, Feb. 21.
Juicer. H. H. Grece. 160,083, Sept. 12.
Juicer, Fruit and vegetable. J. E. Bennett. 159,469, Aug. 1.
Jumping jack, Mechanical. S. I. Berger. 159,579, Aug. 8.
Ketchup rake. S. F. Burnidge. 157,657, Mar. 14.
Kettle. B. H. John and J. L. Hvale. 157,599, Mar. 7.
Key. R. H. Foor. 160,157, Sept. 19.
Key blank. R. C. Cerf, Jr. 157,736, Mar. 21.
Keyboard, Practice. E. T. Lugar. 158,481, May 9.
Key chain. J. W. Wolfenden. 160,237, Sept. 19.
Key chain and watch, Combined. V. A. Parell. 159,389, July 18
Key for saxophones, Offset auxiliary high F. J. Arnold. 158,923, June 13.
Key-holder or similar article. H. J. Modrey. 158,306, Apr. 25.
Key punch. G. H. Kress and C. W. Sundberg. 160,720, Oct. 31.
Key punch and ticket feeder, Combined. G. H. Kress. 157,876, Mar. 28.
Kit and screw driver set unit, Combined. G. M. Horton. 157,154, Feb. 7.
Kit, Ladies' traveling. C. T. Auger. 159,130, June 27.
Kit, Paint. K. G. Emmons. 156,874, Jan. 17.
Kit, Sewing. S. Bindman. 160,359, Oct. 10.
Kit, Toilet. T. Worcester. 160,238, Sept. 19.
Kite. C. L. Wolford. 160,910, Nov. 14.
Kite, Airplane. E. M. Whitehurst. 157,652, Mar. 7.
Knife, Onion paring. C. H. Harvey. 159,729, Aug. 15.
Knife or similar article. F. Wagner. 159,702, Aug. 8.
Knife, Slicing and serving. H. M. Gustafson. 158,459, May 9.
Knob. R. E. Hitchcock. 159,415, July 25.
Knob base, Steering wheel. J. Sinko. 158,903, June 6.
Knob, Gearshift lever. H. A. Lipe. 160,094, Sept. 12.
Knob or similar article, Pull-cord. I. H. Steinhardt. 161,397, Dec. 26.
Knob, Valve. C. D. Arcularius. 159,311, July 18.
Knocker, Door. I. Stolper. 160,671, Oct. 24.
Knocker, Door. C. E. Waltman. 159,455, July 25.
Lace. H. Farnsworth. 161,095, Dec. 5.
Lace. H. Kaufman. 157,980, Apr. 4.
Lace. W. H. Woodhouse. 156,797, Jan. 3.
Lace or the like. J. M. Kracke. 157,686, Mar. 14.
Lace or the like, Narrow. A. Gottlieb. 160,163, Sept. 19.
Ladder. G. C. Burd. 157,835, Mar. 28.
Ladle and strainer, Combination. J. K. Mohr. 157,276, Feb. 14.
Lamp. H. Eisenberg. 161,325, Dec. 26.
Lamp. E. Norton. 157,079, Jan. 31.
Lamp. F. M. Spezzano. 157,542, Feb. 28.
Lamp. H. L. Zelchenko. 157,459, Feb. 21.
Lamp and flower planter, Combined. H. C. O'Brien. 158,893, June 6.
Lamp and telephone stand, Combined. H. A. Glaeser. 160,935, Nov. 21.
Lamp, book end, and ash tray, Combined. W. Davis. 157,945, Apr. 4.
Lamp, Bubbling candle. J. J. Suring. 158,909, June 6.
Lamp, Floor. G. M. Grossman. 160,084, Sept. 12.
Lamp, Floor. K. Versen. 159,875, Aug. 22.
Lamp, Microscope. H. C. Lindemann. 159,739, Aug. 15.
Lamp or similar article, Fender. D. M. and E. M. Pearl. 160,956, Nov. 21.
Lamp or similar article, Table. B. B. Gilmore. 161,256, Dec. 19.
Lamp or the like, Swiveling counter display. C. S. Rosenberg. 158,617, May 16.
Lamp or the like, Table. A. H. Bien. 159,319, July 18.
Lamppost, Portable. L. Morrison. 158,889, June 6.
Lamp, Portable electric. P. C. Calissi. 157,469, Feb. 28.
Lamp, Portable electric. P. C. Calissi. 157,735, Mar. 21.
Lamp, Portable electric. F. A. Walter. 158,821, May 30.
Lamp, Projection. K. A. Van Dyck. 161,219, Dec. 12
Lamp, Table. W. A. McCurry. 157,613, Mar. 7.
Lamp, Table. T. A. Stiffel. 158,907, June 6.
Lamp, Table. K. Versen. 157,548, Feb. 28.
Lamp, Wall. R. D. Schear and J. G. Berg. 160,809, Nov. 7.
Lamp, Wall bracket. C. B. Stevens. 160,899, Nov. 14.
Lantern. M. Kushner. 159,422–3, July 25.
Lantern. M. Kushner. 161,347, Dec. 26.
Lapel ornament and flower holder, Combined. D. E. Demaree. 158,182, Apr. 18.
Latch unit for moving picture screens. H. Bernzott and J. T. Heck. 158,244, Apr. 25.
Lathe, Dental. E. J. Pow. 156,915, Jan. 17.
Laundry machine. F. W. Perl. 156,991–2, Jan. 24.
Lavatory, Shelf. P. Muller-Munk. 157,278, Feb. 14.
Lawn guide. G. P. Wiedman. 160,908, Nov. 14.
Leaf, Hinge. R. E. Slopa. 157,294, Feb. 14.
Leg exerciser. E. E. Longfellow. 158,675, May 23.
Leather or similar article. L. I. Freedman. 160,159, Sept. 19.
Lens, Automobile lamp. H. T. Bannister. 158,243, Apr. 25.
Lens, Automobile lamp. E. A. Dunning. 157,851, Mar. 28.
Lens, Automobile lamp. C. W. Hood. 158,193, Apr. 18.
Lens, Automobile lamp. C. W. Hood. 158,285, Apr. 25.
Lens, Automobile lamp. A. J. Kaminski. 158,290, Apr. 25.
Lens, Automobile lamp. H. W. Pilkey and H. J. Keane. 158,326, Apr. 25.
Lens for automobiles, Headlight. E. C. James. 159,623, Aug. 8.
Lens housing and grille panel, Combined automobile lamp. H. T. Bannister. 160,762, Nov. 7.
Lens, Safety automobile headlight. E. L. Wood. 158,240, Apr. 18.
Letter holder and letter opener, Combination desk. W. C Dajnowicz. 159,358, May 2.
Letter opener and dialer, Combination. C. L. Kahn. 157,051, Jan. 31.
Letter opener and magnifying lens, Combined. R. S. Krause and G. L. Beckstrom. 158,767, May 30.
Letter-opener and nail-cleaner, Combination. S. W. Wathon. 157,929, Mar. 28.
Level. R. R. Fluke. 157,855, Mar. 28.
Lid. H. E. Jones. 159,210, July 4.
Lid for a beverage brewer. S. H. Frankel. 157,363, Feb. 21.
Lid for a refrigerator cabinet or similar article. R. Loewy. 159,083, June 20.
Lid for a suspended milker. C. A. Thomas. 156,852, Jan. 10.
Lid opener and hinge for garbage receptacles, Combined. E. W. Edwards. 157,745, Mar. 21.
Lift, Tire. J. C. Lutz. 158,110, Apr. 11.
Lifter, Hydraulic. R. M. Ulrich. 158,156, Apr. 11.

Light adapter for photoelectric exposure meters, Incident. A. T. Williams. 160,827, Nov. 7.
Light fixture, plant holder, and the like, Combination. W. L. Hollander. 161,026, Nov. 28.
Light for surgical and similar purposes. E. H. Creppin. 159,199, July 4.
Light, Portable. S. Nussbaum. 156,911, Jan. 17.
Light, Portable traffic. L. May. 160,190, Sept. 19.
Light, Signal. E. W. Gosswiller. 158,742, May 30.
Light, Trouble. E. J. Smith. 158,904, June 6.
Light unit, Directed beam. F. W. Schwinn. 157,912, Mar. 28.
Light, Utility. C. J. La Roe. 160,793, Nov. 7.
Light, Vehicle. H. L. Lester. 161,193, Dec. 12.
Lighter. E. B. de Mesquita. 156,871, Jan. 17.
Lighter, Cigarette. I. Florman. 158,735, May 30.
Lighter, Cigarette. H. Negbaur. 157,777, Mar. 21.
Lighter, Cigarette. J. Simon and R. S. Temko. 160,977, Nov. 21.
Lighter, Combination knife and cigarette. J. R. Stalker. 158,906, June 6.
Lighter or similar article, Cigar. F. Kaupmann. 160,714–16, Oct. 31.
Lighter, Pyrophoric. W. P. Peterson and R. Rupert. 158,215, Apr. 18.
Lighter, Pyrophoric. R. J. Varey. 157,648, Mar. 7.
Lighter, Table. S. Fisher. 158,654, May 23.
Lighter, Table. G. B. Kamp. 157,870–71, Mar. 28.
Lighter, Table. S. G. Lipic and W. E. Moore. 159,281, July 11.
Lighter, Table. P. Pouliot. 156,999, Jan. 24.
Lighter, Table. A. F. Reilly. 158,688–9, May 23.
Lighter, Table. A. F. Reilly. 160,431, Oct. 10.
Lighter, Table. W. J. Reilly. 156,916, Jan. 17.
Lighter, Table. T. Zaima and K. Ichikawa. 158,706, May 23.
Lighting fixture. Louvered fluorescent. M. L. Quin. 156,765, June 3.
Lighting unit, Dental. E. J. Ries and C. G. Maxson. 159,002, June 13.
Line blind. L. S. Hamer. 157,757, Mar. 21.
Link chain for a bracelet or similar article. M. Chernow. 158,934, June 13.
Link chain for a bracelet or similar article. M. Chernow. 160,575, Oct. 24.
Link chain for a bracelet or the like, Expansible. M. Jacoby. 160,393, Oct. 10.
Link chain for a necklace or the like. A. Philippe. 160,204–05, Sept. 19.
Link chain for a necklace or the like. A. Philippe. 160,426, Oct. 10.
Link for an identification bracelet or similar article. U. L. Tienson. 159,397, July 18.
Link, Jewelry. M. Chernow. 161,315, Dec. 26.
Link or the like, Cuff. F. W. Moulson. 160,001–2, Sept. 5.
Lipstick and container, Combined. H. Neuschaefer. 159,090, June 20.
Lock, Luggage. L. R. Zifferer. 161,149, Dec. 5.
Lock or the like, Luggage. A. Levine. 156,751, Jan. 3.
Lock, Trailer. A. R. Adams and B. L. Shannon. 157,116, Feb. 7.
Locomotive body. J. F. Halbeisen. 160,316, Oct. 3.
Locomotive body. E. L. Izzi, E. H. Hill, and B. A. Lee. 158,665, May 23.
Locomotive tender body. J. F. Halbeisen. 160,317, Oct. 3.
Lollipop. W. B. Lupton. 158,400, May 2.
Love seat. S. Bevelacqua. 157,831, Mar. 28.
Love seat. S. Bevelacqua. 160,058, Sept. 12.
Lounge chair. F. J. Luketa. 160,639, Oct. 24.
Louvre, Lighting fixture. R. F. Hurley. 161,340, Dec. 26.
Lubricant-dispensing apparatus. R. J. Gray. 158,070, Apr. 11.
Luminaire of the wall mounted type. V. S. Wince. 158,917, June 6.
Luminaire, Street lighting. D. W. Harling. 161,335, Dec. 26.
Lunch box. L. Welk. 157,110, Jan. 31.
Lure, Artificial. L. J. Kalvig. 159,990, Sept. 5.
Macaroni. F. D. Femina. 161,252, Dec. 19.
Macerator and juice extractor. R. E. Klug. 161,188, Dec. 12.
Machine for cutting paper or the like. W. Sargent. 161,056, Nov. 28.
Machine for generating spherical surfaces on articles. W. D. Fowler. 160,933, Nov. 21.
Machine unit, Shoe repair. G. M. Wynn. 158,920, June 6.
Magnifying glass. F. J. Gubics. 161,173, Dec. 12.
Mailbox. H. C. Keeler. 158,292, Apr. 25.
Mailbox. J. A. May. 158,300, Apr. 25.
Manicuring tray and hand rest, Combined. J. J. Schubert and C. E. Ahrendt. 158,223, Apr. 18.
Marimba. C. O. Musser. 160,108, Sept. 12.
Marking device, Self-inking. I. G. A. Ljunggren. 158,108, Apr. 11.
Masking unit for bowling alley pinsetters or the like. R. I. Anderson and E. F. Thomson. 160,569, Oct. 24.
Masking unit or the like, Bowling alley. R. I. Anderson and B. Hoeker. 158,541, May 16.
Massager and support, Combined electrically vibrated. E. M. Vogt. 157,306, Feb. 14.
Mat. J. C. Breneman. 158,550, May 16.
Mat. J. C. Breneman. 158,712, May 30.
Mat. J. R. Caldwell. 158,838, June 6.
Mat, Floor. J. R. Caldwell. 159,045, June 20.
Mat, Floor. R. H. David. 157,130, Feb. 7.
Mat, Floor. F. M. Fargo. 160,698, Oct. 31.
Mat or similar article, Rubber. A. Westrate. 161,225–6, Dec. 12.
Mat or similar article, Table. G. A. Chiniquy. 161,247, Dec. 19.
Material or the like, Plastic film. J. J. Maibach. 156,904, Jan. 17.
Material, Plastic film. A. A. Patlen. 158,311, Apr. 25.
Material, Plastic film. A. A. Patlen. 158,498, May 9.
Mattress. P. Spagnoli. 157,541, Feb. 28.
Mattress border or the like. L. G. Koch. 158,294, Apr. 25.
Measuring device. O. D. Brehman. 160,363, Oct. 10.
Measuring device. R. S. Fulton. 156,721, Jan. 3.
Measuring instrument, Radiation. J. A. Victoreen, J. M. Bevis, A. F. Bush, and R. D. Kidney. 157,106, Jan. 31.
Medal. L. H. Dietzel. 160,777, Nov. 7.
Medal. G. E. F. Saum. 159,866, Aug. 22.
Medal or similar article, Fraternal. M. L. Brown. 160,143, Sept. 19.
Medallion for shoes or the like, Embroidered. S. S. Jaaj. 160,787, Nov. 7.
Memorandum device or similar article, Continuous. L. S. Taylor. 158,815, May 30.
Mending machine. K. Scheiwiller. 160,812, Nov. 7.
Metal sheet, Embossed. R. S. Smith. 157,709, Mar. 14.
Meter, Color temperature. F. F. Crandell. 161,320, Dec. 26.
Meter, Parking lot. L. G. Wilkin and R. F. Spiller. 157,930, Mar. 28.
Microphone. B. E. Schell, Jr. 156,774, Jan. 3.
Microphone and stand unit, Combined. V. K. Albert. 157,724, Mar. 21.
Microphone and support therefor. W. D. Olson. 159,223, July 4.
Micro-projector. C. J. De Grave, Jr. 159,962, Sept. 5.
Microscope. B. G. Gallasch. 160,703, Oct. 31.
Military emblem or similar article. E. Will. 160,290, Sept. 26.
Military insigne or similar article. E. Will. 160,291, Sept. 26.
Mirror. F. A. Krohm. 158,872, June 6.
Mirror. M. H. Storch. 160,442, Oct. 10.
Mirror and lamp, Combined. A. Brozyna. 157,236, Feb. 14.
Mirror and tray, Collapsible, combined vanity-bench. E. O. Ryder. 159,100, June 20.
Mirror, Illuminable pocket. L. H. Carmell. 157,565, Mar. 7.
Mirror or similar article, Automobile rearview. G. C. Knight. 161,027, Nov. 28.
Mirror or similar article, Rear vision. J. W. Anderson, Jr. 158,708, May 30.
Mirror, Rear-vision hair dressing. J. A. Hill. 160,600, Oct. 24.
Mirror, Shadowbox. L. Silberman. 160,024, Sept. 5.
Mirrors and mounting support therefor, Combined flexibly connected front and rear view. M. F. Busa. 160,995, Nov. 28.
Mixer, Cocktail. W. T. Heintze. 157,490, Feb. 28.
Mixer, Drink. W. A. Ernst. 158,947, June 13.
Mixer, Electric food. A. N. Bec Var. 160,295, Oct. 3.
Mixer, Electric hand. J. Palma, Jr. 160,655, Oct. 24.
Mixer, Food. W. F. Bisley. 158,835, June 6.
Mixer, Food. J. Morgan. 158,881, June 6.
Mixer, Food. J. Morgan. 158,885, June 6.
Mixer or the like, Food. A. Naiden. 157,509, Feb. 28.
Mixer, Portable electric food. R. H. Andresen. 156,931, Jan. 24.
Moccasin. W. C. Lawrence and H. L. Horsman. 158,770, May 30.
Moistener or the like, Envelope. H. O. Sandberg. 158,899, June 6.
Moistening machine, Wallpaper. G. E. Stevens. 157,213, Feb. 7.
Mold, Meat. J. Lebovitz. 161,192, Dec. 12.
Mold or the like, Hamburger. R. E. Graves. 156,955, Jan. 24.
Molding. R. Reingold. 159,163–4, June 27.
Molding, Hollow metal. L. C. Laub. 157,175–6, Feb. 7.
Monogramming machine. S. H. Meister. 158,780, May 30.
Mop. J. F. Bagley, Jr. 158,829, June 6.
Motor. J. Bernard. 157,654, Mar. 14.
Motorboat. H. Sundstedt. 159,240, July 4.
Motorboat. H. Sundstedt. 160,031, Sept. 5.
Motorcycle front end unit. W. J. Harley. 158,960, June 13.
Motor, Electric. C. Karstadt. 160,713, Oct. 31.
Motor, Electric. T. D. Monroe. 160,410–13, Oct. 10.
Motor operated centrifugal pump, Electric. E. C. Slaughter. 160,820, Nov. 7.
Motor, Outboard. E. C. Kiekhaefer. 159,814, Aug. 22.
Mount, Photographic. J. Hecht. 161,178, Dec. 12.
Mounting and protective housing for loud-speakers, Combined. E. R. Ethington. 158,448, May 9.
Mounting for a hand telephone. H. Dreyfuss. 157,849, Mar. 28.
Mounting for a nozzle, Adjustable swivel. D. C. Warren. 157,806, Mar. 21.

Mounting for flatware, Display. H. R. Tilley. 157,924, Mar. 28.
Mounting, Mistletoe. R. E. Shattuck. 158,621, May 16.
Mouthpiece for wind instruments. C. A. Runyon, Jr. 156,847, Jan. 10.
Mowing machine, Power. P. W. Hainke. 161,174, Dec. 12.
Mug or similar article. D. Wylie. 160,567, Oct. 17.
Music stand and amplifier housing, Combined. H. Stanley, C. Tancre, and L. C. Roy. 157,098, Jan. 31.
Musical instrument. H. Horne. 158,194, Apr. 18.
Musical instrument, Composite. L. Luberoff. 160,099, Sept. 12.
Muzzle attachment for firearms, Shot pattern control. E. B. Powell and F. A. Pachmayr. 158,792–7, May 30.
Muzzle or similar article, Dog. H. Goldberg. 157,252, Feb. 14.
Name plate. D. P. Combs. 160,476, Oct. 17.
Napkin or similar article. K. C. Hamilton. 158,659, May 23.
Napkin, Paper. W. J. Boucher. 160,993, Nov. 28.
Necktie. H. L. Cleveland and C. A. Jackson. 160,302, Oct. 3.
Necktie. P. Karp. 161,269, Dec. 19.
Necktie. W. Tait. 158,339–40, Apr. 25.
Necktie. W. Tait. 159,172, June 27.
Necklace. L. M. Schneider. 160,664, Oct. 24.
Necklace or similar article. P. Bardach. 159,037, June 20.
Necklace or similar article. P. Bardach. 159,403, July 25.
Necklace or similar article. M. Chernow. 158,555, May 16.
Necklace or similar article. J. Fath. 159,327, July 18.
Necklace or similar article. A. Katz. 157,168, Feb. 7.
Necklace or similar article. A. Katz. 157,264, Feb. 14
Necklace or similar article. A. Katz. 157,962, Apr. 4.
Necklace or similar article. A. Katz. 157,976–7, Apr. 4.
Necklace or similar article. A. Katz. 158,585, May 16.
Necklace or similar article. A. Katz. 158,587, May 16.
Necklace or similar article. A. Katz. 158,589, May 16.
Necklace or similar article. A. Katz. 158,751, May 30.
Necklace or similar article. A. Katz. 158,753, May 30.
Necklace or similar article. A. Katz. 158,757, May 30.
Necklace or similar article. A. Katz. 158,861, June 6.
Necklace or similar article. A. Katz. 159,072–3, June 20.
Necklace or similar article. A. Katz. 159,075, June 20.
Necklace or similar article. A. Katz. 159,637, Aug. 8.
Necklace or similar article. A. Katz. 160,614, Oct. 24.
Necklace or similar article. A. Katz. 160,617–18, Oct. 24.
Necklace or similar article. A. Katz, 160,620, Oct. 24.
Necklace or similar article. A. Katz. 160,622–31, Oct. 24.
Necklace or similar article. A. Katz. 161,184–6, Dec. 12.
Necklace or similar article. A. Philippe. 156,994, Jan. 24.
Necklace or similar article. A. Philippe. 157,282, Feb. 14.
Necklace or similar article. A. Philippe. 157,285–6, Feb. 14.
Necklace or similar article. A. Philippe. 157,516, Feb. 28.
Necklace or similar article. A. Philippe. 157,526, Feb. 28.
Necklace or similar article. A. Philippe. 157,532, Feb. 28
Necklace or similar article. A. Philippe. 157,784, Mar. 21.
Necklace or similar article. A. Philippe. 158,002–6, Apr. 4.
Necklace or similar article. A. Philippe. 158,123, Apr. 11.
Necklace or similar article. A. Philippe. 158,320–3, Apr. 25.
Necklace or similar article. A. Philippe. 158,612, May 16.
Necklace or similar article. A. Philippe. 158,786, May 30.
Necklace or similar article. A. Philippe. 158,788, May 30.
Necklace or similar article. A. Philippe. 159,522–4, Aug. 1.
Necklace or similar article. A. Philippe. 159,852–6, Aug. 22.
Necklace or similar article. A. Philippe. 160,197, Sept. 19.
Necklace or similar article. A. Philippe. 160,206–07, Sept. 19.
Necklace or similar article. A. Philippe. 160,333, Oct. 3.
Necklace or similar article. A. Philippe. 160,425, Oct. 10.
Necklace or similar article. A. Philippe. 160,427–8, Oct. 10.
Necklace or similar article. A. Philippe. 160,530, Oct. 17.
Necklace or similar article. A. Philippe. 160,957, Nov. 21.
Necklace or similar article. A. Philippe. 160,965, Nov. 21.
Necklace or similar article. A. Philippe. 161,038–9, Nov. 28.
Necklace or similar article. A. Philippe. 161,044–8, Nov. 28.
Necklace or similar article. A. Philippe. 161,123–4, Dec. 5.
Necklace or similar article. A. Philippe. 161,203–4, Dec. 12.
Needle, Knitting. E. Williamson. 157,818–21, Mar. 21.
Negligee. V. Giovagnoni. 158,739–40, May 30.
Negligee. M. Taradash. 157,214, Feb. 7.
Nest, Hen's. C. G. Muehlfeld. 159,431, July 25.
Nipple. W. H. Griesinger. 160,940, Nov. 21.
Nozzle, Dusting gun. L. Fletcher. 158,734, May 30.
Nozzle, Hose. J. H. Thompson. 159,174, June 27.
Nozzle or similar article, Vacuum cleaner. O. L. Allen. 161,076, Dec. 5.
Nozzle, Vacuum cleaner. J. G. Lippincott. 158,774, May 30.
Nut. H. F. Gade. 157,484, Feb. 28.
Nutcracker. C. W. Bereth. 158,924, June 13.
Nutcracker. A. C. Brookey. 158,248, Apr. 25.
Nutcracker. A. B. Hagen. 160,494, Oct. 17.
Oil bar and cabinet, Combined. A. F. Dean and D. C. Peterson. 160,581, Oct. 24.
Oil bar and cabinet or similar article, Combined. J. O. Tews. 159,563, Aug. 1.
Oil changer. J. D. Gray. 158,853, June 6.
Oil pump and tank, Portable. M. A. Tabet. 157,102, Jan. 31.
Opener and container, Combination bobby pin. N. L. Solomon. 159,873, Aug. 22.
Opener and holder, Bobby pin. J. L. Day. 158,447, May 9.
Opener, Bobby pin. R. S. Claflin. 158,249, Apr. 25.
Opener, Bobby pin. W. F. Cogswell. 156,867, Jan. 17.
Opener, Bobby pin. J. A. Voss. 157,805, Mar. 21.
Opener, Bottle. J. A. Haberkorn and M. Petrillo. 158,957, June 13.
Opener, Can. J. B. Donnelly. 158,944, June 13.
Opener, Combination bottle. L. E. Haverkost. 159,151, June 27.
Opener for bottles and vacuum sealed jars. O. R. Galter. 160,081, Sept. 12.
Opener, Wall bottle. D. J. Ajouelo. 160,453. Oct. 17.
Opening apparatus, Oyster. J. L. Plock. 159,096, June 20.
Ophthalmic mounting or the like. R. L. Wells. 158,701, May 23.
Optical instrument. C. A. Ellis. 159,477, Aug. 1.
Optical temple. P. J. Morroni. 158,994, June 13.
Order board for dairy products. K. D. Nelson. 159,510, Aug. 1
Ornament, Automobile. M. J. O'Leary. 159,291, July 11.
Ornament, Automobile. E. P. Ramstrum. 160,014, Sept. 5.
Ornament, Automobile hood. R. Cadwallader. 158,649, May 23.
Ornament, Automobile hood. E. A. Dunning. 160,306, Oct. 3.
Ornament, Automobile hood. H. W. Hahn. 159,202, July 4.
Ornament, Automobile hood. D. B. Hammond and R. Cadwallader. 158,660, May 23.
Ornament, Automobile hood. H. A. Richman. 157,429, Feb. 21.
Ornament, Automobile hood. R. J. Robillard. 160,543, Oct. 17.
Ornament, Automobile hood. D. E. Scott. 160,546, Oct. 17.
Ornament, Automotive vehicle hood. A. Ross. 159,929, Aug. 29.
Ornament, Bicycle wheel hub. A. D. Wolfe. 157,822, Mar. 21.
Ornament, Bug deflecting hood. M. T. Foley. 159,973, Sept. 5.
Ornament, Christmas tree decorative. K. W. Herman. 161,023, Nov. 28.
Ornament, Ear. G. Brandano. 160,246, Sept. 26.
Ornament, Fender. J. L. and J. A. Domann. 156,708, Jan. 3.
Ornament for a cake or the like. H. W. Hettick. 158,192, Apr. 18.
Ornament for an automobile body. H. T. Bannister. 160,053, Sept. 12.
Ornament for an automobile, Fender. D. E. Scott. 160,815, Nov. 7.
Ornament for an automobile grille. H. T. Bannister. 160,760, Nov. 7.
Ornament for an automobile grille. F. Reynolds. 160,539, Oct. 17.
Ornament for an automobile, Hood. H. T. Bannister. 160,456, Oct. 17.
Ornament for an automobile, Hood. M. J. O'Leary. 160,524, Oct. 17.
Ornament for ash tray or similar article, Center. R. L. Rust. 160,342, Oct. 3.
Ornament, Hair. A. Goodman. 159,333, July 18.
Ornament, Hood. H. C. Hammer. 159,806, Aug. 22.
Ornament, Hood. H. V. Lindbergh and H. F. Weissinger. 161,029, Nov. 28.
Ornament, Hood. H. M. Martin. 159,219, July 4.
Ornament, Lapel. I. Bloch. 159,136, June 27.
Ornament or a similar article, Christmas. A. Janowitz. 160,174, Sept. 19.
Ornament or a similar article, Christmas tree. A. Janowitz. 157,156, Feb. 7.
Ornament or a similar article, Desk. H. G. Frampton. 157,580, Mar. 7.
Ornament or similar article, Automobile. E. Berggren. 160,468, Oct. 17.
Ornament or similar article, Christmas tree. G. Burros. 161,159–63, Dec. 12.
Ornament or similar article for motor vehicles, Hood. J. Sneed. 161,061, Nov. 28.
Ornament or similar article, Vehicle hood. R. B. Jones. 159,812, Aug. 22.

Orphrey or similar article. J. L. Katz. 157,960–1, Apr. 4.
Oscillator, Foot massage. C. Manas. 161,032, Nov. 28.
Overshoe. R. B. Hardman. 161,334, Dec. 26.
Pack for fragile articles. F. C. Harper. 157,759, Mar. 21.
Pack for fragile articles. W. H. Randall. 160,738, Oct. 31.
Pack for fragile articles. E. L. Shepard. 157,540, Feb. 28.
Pack for fragile articles, Foldable. E. L. Shepard. 159,868–9, Aug. 22.
Pack, Fruit. P. M. Williams. 159,399, July 18.
Package. J. J. Cosin. 160,250, Sept. 26.
Package, Assembled display. C. H. Burger. 157,468, Feb. 28.
Package, Bottled perfume. C. Isermann. 157,155, Feb. 7.
Package, Candy. C. A. Howe. 157,495, Feb. 28.
Package, Combined candy and doll. C. E. Whitcomb. 156,791, Jan. 3.
Package grip. S. L. Conrad. 159,141, June 27.
Packaging machine, Vacuum. W. E. Zimmermann. 157,020, Jan. 24.
Pad, Gun recoil. L. N. Harbeke. 158,745, May 30.
Padding, Undercarpet. B. F. Wills. 157,456, Feb. 21.
Paintbox, Water color. J. E. Knowles. 156,974, Jan. 24.
Pair of scissor grip pliers. L. W. Hodge, Sr. 158,858, June 6.
Palette and water jar, Combined. E. D. Davis and N. Shaeffer. 160,929, Nov. 21.
Palette, Water color. J. E. Knowles, G. P. Davis, and S. Backus, Jr. 156,975, Jan. 24.
Pan for corn sticks, or the like, Baking. H. Goodman and R. M. Wolfe. 157,487, Feb. 28.
Panhead, Camera tripod. D. I. Welt. 160,136, Sept. 12.
Panel. P. Solotoy. 157,010, Jan. 24.
Panel and service desk, Combined work control. A. Mohr. 159,159, June 27.
Panel, Elevator starter's. M. J. Brounn. 160,834, Nov. 14.
Panel, Expanded metal. C. L. Moorman. 160,877, Nov. 14.
Panel for a cooking range, Backsplash. W. E. Williams and E. W. Harrison. 160,985–6, Nov. 21.
Panel for remote measuring and control instrument, Control. J. G. Booth. 160,766, Nov. 7.
Panel, for television receiving sets. W. J. Schnell. 157,635, Mar. 7.
Panel for wall mounting, Radiant heating. G. W. Walker. 157,014, Jan. 24.
Panel, Interior automobile door trim. J., W. P., and R. L. Lansman. 160,723, Oct. 31.
Panel, Interior ceiling. W. Chavalas. 158,716–27, May 30.
Panel, Interior ceiling. W. Chavalas. 159,324, July 18.
Panel, Interior wall. W. Chavalas. 156,698, Jan. 3.
Panel, Interior wall. W. Chavalas. 156,936, Jan. 24.
Panel or similar article. H. W. Miller. 156,906, Jan. 17.
Panel or the like, Radiant convector baseboard. M. W. McRae and J. D. Pierce. 157,885, Mar. 28.
Panel, Stove control. G. W. Walker. 159,241, July 4.
Panel, Transceiver cabinet. H. K. Hudson. 158,195, Apr. 18.
Panel unit, Multiple control. J. G. Booth and L. R. Davis. 158,173, Apr. 18.
Panties. S. Sinsley. 160,221, Sept. 19.
Panties. A. S. Vaden. 157,646, Mar. 7.
Panty, Garter. J. D. Simpson and G. W. Black. 159,871, Aug. 22.
Parachute toy. L. L. Weldon. 158,700, May 23.
Pedal control. E. H. Alkire. 160,987, Nov. 28.
Pedestal, Chair supporting. W. H. Bond, Jr. 157,656, Mar. 14.
Pedestal for cameras. R. C. Wilcox and B. H. Dalton. 160,681, Oct. 24.
Pedicure appliance. R. J. Patek. 159,662, Aug. 8.
Pen and holder therefor, Combined. J. A. Barnett. 159,245, July 11.
Pen and pencil, Combined. R. Duelfer. 158,946, June 13.
Pen and tie clamp, Combined. R. L. Stern. 160,670, Oct. 24.
Pen, Ball. H. N. Hagel. 159,337, July 18.
Pen, Ball point. W. Peterson and J. A. Barnett. 159,095, June 20.
Pen, Drawing. H. N. Harris. 161,336, Dec. 26.
Pen, Fountain. D. Kahn. 158,973, June 13.
Pen or similar article of manufacture, Fountain. M. and B. M. Fainberg. 160,309, Oct. 3.
Pen stand and pen, Combined. S. M. Strauss. 160,030, Sept. 5.
Pencil, Advertising. J. V. Wuestman. 159,125, June 20.
Pencil, ball pen, and flashlight, Combination. J. M. Weiss. 160,757, Oct. 31.
Pencil box, ruler, and pencil sharpener, Combination. G. L. Price. 157,534, Feb. 28.
Pencil, China marking. E. H. Seibert. 160,436, Oct. 10.
Pencil holder and multiplier, Combined. L. Bodor. 159,247, July 11.
Pencil or similar article. M. M. Brown. 161,310, Dec. 26.
Pendant. F. W. Turnbull. 158,342, Apr. 25.
Pendant, Jewelry. E. R. Neyhard. 160,803, Nov. 7.
Pendant or similar article. M. Chernow. 159,955–6. Sept. 5.
Pendant or similar article. S. Mantzowitz. 160,641, Oct. 24.
Pendant or the like. H. Gorman. 157,668, Mar. 14.
Pendant or the like. C. Schraysshuen. 160,974, Nov. 21.
Percolator, Coffee. W. D. Smith. 159,010, June 13.
Percolator or other similar article, Electric coffee. N. Delacroix. 156,707, Jan. 3.
Percolator or similar article, Electric coffee. N. Delacroix. 157,740, Mar. 21.
Perforator and trimmer for pie crusts, Combined. M. L. Butcher. 159,715, Aug. 15.
Perfume container and glove holder, Combined. V. Silson. 160,220, Sept. 19.
Petticoat. A. Friedman. 160,780, Nov. 7.
Phonograph. N. T. Baldanza. 161,301, Dec. 26.
Phonograph needle. L. J. Andres. 160,989, Nov. 28.
Phonograph needle. W. E. Kidd. 158,101, Apr. 11.
Phonograph, Portable. R. Scholle. 161,389, Dec. 26.
Photographic camera. J. O. Reinecke. 160,122, Sept. 12.
Photographic enlarger. J. H. Eagle and K. A. Van Dyck. 159,722, Aug. 15.
Photographic enlarger. M. T. Kolesnikoff. 160,090, Sept. 12.
Photographic flashlight apparatus. F. G. Knowles. 161,110, Dec. 5.
Photographic unit. T. Nerman. 159,836, Aug. 22.
Photographing machine, Document. W. W. Eaton and H. T. Olson. 160,931, Nov. 21.
Photographing machine, Document. W. R. Senechal. 157,913, Mar. 28.
Piano case or the like. E. H. Orenick. 160,418, Oct. 10.
Piano or similar article. A. P. Brown. 160,573, Oct. 24.
Piano or similar article. A. P. Brown. 160,839, Nov. 14.
Piano, radio, and phonograph, Combination. L. Luberoff. 159,911, Aug. 29.
Pickup arm, Phonograph. J. E. Vistain, Jr., and S. E. Adler. 158,029, Apr. 4.
Pickup arm, Phonograph. J. E. Vistain, Jr., and S. E. Adler. 160,822, Nov. 7.
Picture frame and album, Combination. B. J. and I. Zenner. 160,758, Oct. 31.
Pillow. M. H. Smith. 160,223, Sept. 19.
Pillowcase or similar article. E. I. Cohen. 156,815, Jan. 10.
Pillowcase or similar article. E. I. Cohen. 157,843, Mar. 28.
Pin. L. M. Schneider. 160,665, Oct. 24.
Pin clip or similar article. A. Katz. 159,076, June 20.
Pin clip or similar article. A. Philippe. 157,191, Feb. 7.
Pincushion and receptacle, Combined. B. Ulvad. 158,422, May 2.
Pincushion, Wrist mounted. A. L. Corbin. 158,180, Apr. 18.
Pin for mittens or the like, Connector. B. Rogers. 159,450, July 25.
Pin or similar article. M. Boucher. 158,925, June 13.
Pin or similar article. M. Boucher. 159,582–6, Aug. 8.
Pin or similar article. M. Boucher. 159,589–90, Aug. 8.
Pin or similar article. M. S. Green. 160,705, Oct. 31.
Pin or similar article. W. Lampl, Jr. 159,491, Aug. 1.
Pin or similar article. R. Semensohn. 159,685, Aug. 8.
Pin or similar article, Lapel. S. Mantzowitz. 160,642, Oct. 24.
Pinking machine. K. S. Christensen. 159,892, Aug. 29.
Pipe. T. S. Park. 159,295, July 11.
Pipe. O. Schmidt. 158,222, Apr. 18.
Pipe, Smoking. B. Lieber. 156,978, Jan. 24.
Pipe terminal, Automobile exhaust. J. H. Follen. 158,848, June 6.
Pipe, Tobacco. C. W. Pepper. 157,513, Feb. 28.
Pistol or similar article, Air. L. L. Baron. 157,934, Apr. 4.
Pistol, Toy. B. Lindenbaum. 157,767, Mar. 21.
Pitcher. P. R. Marsh. 160,516, Oct. 17.
Pitcher, Combination mixing and pouring. R. D. Silcox. 160,346, Oct. 3.
Pitcher, Cream. J. Badash. 156,803, Jan. 10.
Pitcher, Cream. R. G. Cowan. 160,772, Nov. 7.
Pitcher or similar article. R. Y. Allen and M. and E. K. Shaw. 157,932, Apr. 4.
Pitcher or similar article, Vacuum insulated. E. Schwarz. 157,795, Mar. 21.
Pitcher or the like. A. O. Kirman. 160,177, Sept. 19.
Pitter, Cherry. J. R. Kaveney. 157,981, Apr. 4.
Place mat or similar article. K. C. Hamilton. 160,495, Oct. 17.
Place mat or the like. R. Katz. 159,212–13, July 4.
Plane. R. W. Huxtable. 159,339, July 18.
Planning rule, Landscape. C. A. Vanderbrook. 157,217–18, Feb. 7.
Plant holder and bracket therefor, Combined. O. Charette. 160,998, Nov. 28.
Plant protector. E. V. Alvarez. 161,231, Dec. 21.
Plant receptacle and support, Combined. B. Yellin. 161,230, Dec. 12.
Planter. J. L. Parentice. 160,007, Sept. 5.
Planter, Seed. P. E. Milton. 156,907, Jan. 17.
Plaque. D. J. Cristofoletti. 160,773, Nov. 7.
Plaque. L. Leventhal. 161,350, Dec. 26.
Plaque or similar article, Wall. W. Dillard, Jr. 157,133, Feb. 7.
Plaque, Souvenir. J. C. L. Vanderput. 159,940, Aug. 29.
Plaque unit for wall covering or similar article. N. Hyman. 159,208, July 4.
Plaque, Wall. P. A. Riley. 159,443–6, July 25.

Plastic film material. M. A. Susi. 159,171, June 27.
Plate. L. D. Coloman. 160,073, Sept. 12.
Plate. H. Hacker. 159,728, Aug. 15.
Plate. H. Hacker. 159,802–3, Aug. 22.
Plate. M. S. Wright. 158,350, Apr. 25.
Plate, Cake. A. A. Surina. 156,924, Jan. 17.
Plate, Cake. M. G. Yutzey. 156,799, Jan. 3.
Plate for electrical outlet receptacles, Cover. E. R. Hayman. 159,413, July 25.
Plate or article of similar nature, Salad. A. J. Dreitzer. 159,721, Aug. 15.
Plate or similar article. R. Y. Allen, and M. and E. K. Shaw. 160,357, Oct. 10.
Plate or similar article. R. C. Diebenkorn. 157,741, Mar. 21.
Plate or similar article. V. Hamill. 159,804–5, Aug. 22.
Plate or similar article. G. J. Higginson. 160,783, Nov. 7.
Plate or similar article. J. L. Houston. 159,618–19, Aug. 8.
Plate or similar article. T. O. Muench. 161,118, Dec. 5.
Plate or similar article. E. W. Newton. 157,402, Feb. 21.
Plate or similar article. G. Rudd. 159,447, July 25.
Plate or similar article. G. Rudd. 161,053, Nov. 28.
Plate or similar article. E. K. and M. Shaw and R. Y. Allen. 161,291, Dec. 19.
Plate or similar article. L. I. Tucker. 156,853, Jan. 10.
Plate or similar article, Dinner. D. Bourne. 161,242–4, Dec. 19.
Plate or similar article, Dinner. R. H. Garvin. 156,822, Jan. 10.
Plate or similar article, Dinner. R. H. Garvin. 161,255, Dec. 19.
Plate or similar article, Dinner. P. Langlais. 158,391, May 2.
Plate or similar article, Dinner. P. L'Anglais. 161,191, Dec. 12.
Plate or similar article, Dinner. C. H. McKaig. 160,517–18, Oct. 17.
Plate or similar article, Dinner. C. H. McKaig. 160,875, Nov. 14.
Plate or similar article, Dinner. C. H. McKaig. 161,272–4, Dec. 19.
Plate or similar article, Dinner. E. M. Otis. 156,838, Jan. 10.
Plate or similar article, Dinner. E. M. Otis. 160,526–7, Oct. 17.
Plate or similar article, Glass salad. A. J. Dreitzer 159,190, July 4.
Platter or similar article, Serving. L. H. Raleigh. 161,205, Dec. 12.
Plate or the like. A. A. Blanch. 159,713, Aug. 15.
Plate or the like. P. R. Costigan. 160,303, Oct. 3.
Plate or the like. R. Spreier. 158,417, May 2.
Plate or the like. R. Spreier. 161,395, Dec. 26.
Plate or the like. J. B. Stier. 157,919, Mar. 28.
Plate or the like. C. Wallace. 160,449, Oct. 10.
Plate or the like. C. Yee. 157,554, Feb. 28.
Plate or the like, Dinner. E. N. Botsford. 158,641, May 23.
Platform for silverware. P. M. Fuller. 160,312–14, Oct. 3.
Playground apparatus. G. W. Packer. 160,419, Oct. 10.
Playground device. A. A. Reicher. 160,341, Oct. 3.
Playhouse or the like, Knockdown miniature opensided. J. Brunetti. 160,146, Sept. 19.
Play pen for infants and children. T. N. Perry. 159,921, Aug. 29.
Playsuit, Child's. M. Piecka. 157,202–3, Feb. 7.
Play suit or article of similar nature, Woman's. C. Ackerman. 157,556, Mar. 7.
Playing card. U. S. Surratt. 159,694, Aug. 8.
Playing cards, Set of. J. Simoes, Jr. 161,293, Dec. 19.
Plug, Attachment. K. G. Englar. 159,196, July 4.
Plug, Automobile hood porthole. J. M. Kline. 158,671, May 23.
Plug, Heater. A. C. Grohsgal. 159,201, July 4.
Pocketbook. W. R. Galter. 158,657, May 23.
Point, Ball pen. B. H. Stewart. 157,917–18, Mar. 28.
Pole base, Antenna. A. J. Pennington. 158,122, Apr. 11.
Polisher, Floor. K. C. Atkin. 156,689, Jan. 3.
Polisher, Floor. P. W. Lahr. 157,268, Feb. 14.
Polisher, Floor. J. Palma, Jr. 159,752, Aug. 15.
Polisher, Floor. M. C. Sawchuk. 158,804, May 30.
Polisher or the like, Floor. L. V. A. Guild. 158,743, May 30.
Polishing machine or the like, Shoe. J. W. Jones. 159,264, July 11.
Pool game board. R. V. De Voy. 160,582, Oct. 24.
Pop-up and bun toaster, Combination. A. W. Madl. 158,210, Apr. 18.
Popper, Corn. R. C. Casanov. 159,138, June 27.
Post for bowling ball racks or the like, Newel. R. I. Anderson and E. F. Thomson. 158,241, Apr. 25.
Post for bowling ball racks or the like, Terminal. R. I. Anderson and E. F. Thomson. 159,181, July 4.
Pot or similar article, Watering. J. B. Stier. 158,813, May 30.
Pouring attachment for bottles. G. J. Staab. 158,624, May 16.
Powder box or the like. J. C. Foster. 160,156, Sept. 19.
Power mower. C. H. Flanigan. 158,847, June 6.
Power unit. J. Morgan. 158,880, June 6.
Power unit, Food mixer. J. Morgan. 158,882–4, June 6.
Power unit for a food mixer or the like. A. Naiden. 157,510, Feb. 28.
Power unit, Impact wrench. A. Bushnell. 159,044, June 20.
Press, Drill. J. K. Stanland. 158,021, Apr. 4.
Prie-dieu. A. T. Maguolo. 160,873, Nov. 14.
Printer, Daylight motion-picture film. L. R. Streeter. 158,528, May 9.
Printer for a computing machine. G. H. Kress and C. W. Sundberg. 157,504, Feb. 28.
Printer, Roll paper. J. L. Carver. 159,782, Aug. 22.
Printing attachment for roll of paper. L. Carver. 159,783, Aug. 22.
Printing machine. G. M. Hunt. 158,287, Apr. 25.
Printing type font. A. Girs. 160,852, Nov. 14.
Prod, Animal. J. Juergens. 156,833, Jan. 10.
Projection unit for a metallographic microscope. B. G. Gallasch. 159,794, Aug. 22.
Projection unit, Television lens. W. A. Greenwood and W. Liddell. 157,862, Mar. 28.
Projector. J. T. Armbruster. 157,022, Jan. 31.
Projector. F. W. Hertzler. 157,046, Jan. 31.
Projector, Movie. H. E. Nelson, F. Lustig and B. E. Schell. 157,892, Mar. 28.
Projector, Motion-picture. F. Lustig. 159,912, Aug. 29.
Projector or similar article, Combined radio and motion-picture. A. J. Merles. 158,487, May 9.
Projector, Slide. K. A. Van Dyck. 160,039–40, Sept. 5.
Projector with screen, Slide. K. A. Van Dyck. 161,220, Dec. 12.
Propeller. W. J. H. Engelke. 158,058, Apr. 11.
Propelling attachment for boat rudders. E. Belmont 159,775, Aug. 22.
Protector, Detachable heel. J. Dorman. 159,603, Aug. 8.
Protector, Eye. F. G. Gay, Jr., and R. F. E. Stegeman. 158,064, Apr. 11.
Pump. H. Goodman. 160,258, Sept. 26.
Pump and motor support, Combined well. E. E. Theis. 159,173, June 27.
Pump and motor unit. H. Dreyfuss. 160,845, Nov. 14.
Pump for chemical solutions or the like, Metering. R. B. Saalfrank. 160,808, Nov. 7.
Pump, Spark plug. S. E. Edelstone and A. L. Jenks. 160,078, Sept. 12.
Pump unit. W. Ernst. 160,308, Oct. 3.
Punch, Baby bottle nipple. P. N. Slick. 160,280, Sept. 26.
Punch for a computing machine, Card. G. H. Kress and C. W. Sundberg. 157,505, Feb. 28.
Punch pliers, Pin removing. J. J. Greco and I. M. Meitlich. 157,670, Mar. 14.
Puppet. R. Y. Allen and M. Shaw. 156,687, Jan. 3.
Puppet doll. F. Schleich. 159,668, Aug. 8.
Puppet, Hand. J. C. Faustman. 160,584, Oct. 24.
Puppet head or similar article. F. Paris. 156,989, Jan. 24.
Purse. M. D. MacKinnon. 159,499, Aug. 1.
Purse and compact, Combined. H. M. Talcove. 160,751, Oct. 31.
Purse and radio, Combined. H. A. James. 158,578, May 16.
Purse, key holder, and container for photographs or the like, Combined. H. S. Chase. 160,147, Sept. 19.
Putty softener, Electric. L. E. Hiskey. 158,282–3, Apr. 25.
Puzzle, Take-apart. I. H. Steinhardt. 160,283, Sept. 26.
Quilt or the like. E. L. Smith. 158,414, May 2.
Rack. J. Samuelson. 160,213, Sept. 19.
Rack and child's eating implements, Combined. M. Glass. 159,149, June 27.
Rack and holder, Combined playing card. H. Koppelman. 158,870, June 6.
Rack, Child's clothes. J. L. Lenz. 160,403, Oct. 10.
Rack, Clip-on hat. D. J. Rosenheim. 159,536, Aug. 1.
Rack, Coaster. F. J. Curran. 156,819, Jan. 10.
Rack, Combined knife and kitchen utensil. E. J. Hubbert. 160,086, Sept. 12.
Rack, Display. N. J. Brown. 160,144, Sept. 19.
Rack, Display. H. C. Douglas. 157,033, Jan. 31.
Rack, Display. C. J. Lydick. 159,217, July 4.
Rack, Display. T. I. Youngquist. 160,451, Oct. 10.
Rack, Drying. D. A. Weston and N. J. Newman. 159,123, June 20.
Rack, Egg. L. E. Finch. 160,379, Oct. 10.
Rack, Floor, display stand or similar article. E. A. Burgess. 156,934, Jan. 24.
Rack, Foldable clothes. A. Wegner. 159,026, June 13.
Rack for playing cards. C. A. Bissman. 161,236, Dec. 19.
Rack for towels and the like. J. Bornstein. 157,466, Feb. 28.
Rack for transportation units, Floor. H. K. Blanning. 159,949, Sept. 5.
Rack for vacuum cleaner and attachments, Portable. N. L. Bassin. 158,547, May 16.
Rack, Grooming. A. Lawrence. 156,976, Jan. 24.
Rack, Gun. A. Del Pozo. 157,241, Feb. 14.
Rack, Kiddy. B. G. Witz and H. Chaskin. 160,047, Sept. 5.
Rack, Kitchen utensil. B. R. Glukes. 156,823, Jan. 10.
Rack, Magazine. G. Bergal. 156,693, Jan. 3.

Rack, Merchandise display. R. L. Falkenberg and C. J. Patterson, Jr. 160,378, Oct. 10.
Rack, Movable mirror. A. V. Sneed. 161,141, Dec. 5.
Rack or similar article, Closet shoe. C. T. Manuel. 161,354, Dec. 26.
Rack or similar article, Cutlery. D. J. Case. 159,184–5, July 4.
Rack or similar article, Display. W. S. Hassler. 156,956, Jan. 24.
Rack or similar article, Fried chicken supporting. J. E. Goding. 158,262, Apr. 25.
Rack or similar article, Necktie display. M. Aron. 160,830, Nov. 14.
Rack or similar article, Newspaper. H. F. Rippe. 159,165, June 27.
Rack or similar article, Tie. F. J. Trabert. 157,546, Feb. 28.
Rack or the like, Dish. S. U. Irwin. 161,183, Dec. 12.
Rack, Pencil. C. E. Crawford. 157,239, Feb. 14.
Rack, Pool ball. A. R. Van Horne. 158,235, Apr. 18.
Rack, Roast. J. C. Brown. 158,645, May 23.
Rack, Spice and condiment. J. C. Hampe and H. T. Genge. 156,729, Jan. 3.
Rack, Shoe. R. E. and N. F. Grindinger. 157,144, Feb. 7.
Rack, Smoking pipe. W. M. Goodstein. 158,571, May 16.
Rack, Support. E. C. Chatfield. 157,030, Jan. 31.
Rack, Tank. J. H. Morcom. 159,286, July 11.
Rack, Tie. E. Ferguson. 160,585, Oct. 24.
Rack, Tie. W. G. Williams. 158,166, Apr. 11.
Rack, Towel. N. W. Roop. 157,431, Feb. 21.
Rack, Towel. J. Stefan. 157,212, Feb. 7.
Rack, Towel. E. A. Wheeler. 157,015, Jan. 24.
Rack, Towel lock. S. Tritt. 158,154, Apr. 11.
Rack, Utensil. C. R. Hoeft. 156,958, Jan. 24.
Racket or similar article. J. F. Myles, Jr. 160,005, Sept. 5.
Radiator shell. L. Mitchell. 157,401, Feb. 21.
Radio and night light, Combined time-controlled. E. A. Schwartz and M. E. Anderson. 159,102, June 20.
Radio clock. R. Bernstein. 160,057, Sept. 12.
Rail brace. J. H. Asselin. 158,709, May 30.
Raincoat. M. S. Handler. 161,176, Dec. 12.
Range. R. E. Kruck. 160,950–1, Nov. 21.
Range. J. M. Little. 160,798, Nov. 7.
Range. G. F. Wales. 158,162–3, Apr. 11.
Range. G. F. Wales. 160,288, Sept. 26.
Range, Combination. R. E. Kruck. 157,877, Mar. 28.
Range, Electric. C. A. Pierson. 160,882, Nov. 14.
Rattle. M. M. Ross. 159,667, Aug. 8.
Rattle and suction cup, Combined illuminable. L. Packman. 161,122, Dec. 5.
Rattle, Suction cup. B. Gelardin. 161,098, Dec. 5.
Razor. G. D. Jones. 160,322–3, Oct. 3.
Razor and blade holder, Combined. R. D. Hanson. 159,807, Aug. 22.
Razor, Safety. A. F. Reilly. 160,536, Oct. 17.
Razor support and magazine for razor blades, or similar article, Combined. A. Leebow. 158,297, Apr. 25.
Reader for a computing machine, Card. G. H. Kress and C. W. Sundberg. 157,503, Feb. 28.
Rear bumper, trailer hitch, and foot platform for vehicles, Combination. C. G. Barden. 157,321, Feb. 21.
Rebound device for a ball rolling amusement game. G. R. Benak. 157,727, Mar. 21.
Receiver, Ash. J. H. Barrett. 160,763, Nov. 7.
Receiver, Portable radio. P. Schladermundt and C. L. Metzler. 161,379, Dec. 26.
Receiver, Television. G. Beck. 156,808, Jan. 10.
Receiver, Television. E. B. Benjamin. 157,327, Feb. 21.
Receiver, Television. C. J. Steinke. 160,131, Sept. 12.
Receiving device, Coin. A. M. Gordon. 157,367, Feb. 21.
Receiving set, Radio. D. F. White. 158,165, Apr. 11.
Receptacle, Article. C. E. Jones. 160,607, Oct. 24.
Receptacle attachment for automobile visors. C. Catanese. 159,954, Sept. 5.
Receptacle cap and multiple lampholder or similar article, Combination. P. G. Stone. 160,441, Oct. 10.
Receptacle, Compact and lipstick case. W. S. Shea. 157,640, Mar. 7.
Receptacle for discarded razor blades. K. Kneis. 158,102, Apr. 11.
Receptacle for fire extinguishing grenade. C. F. Hoelzel. 161,107, Dec. 5.
Receptacle for holding coins and the like. H. C. Richards. 159,097, June 20.
Receptacle for rodent poison. J. D. Reifsnyder and S. I. Johnson. 160,890, Nov. 14.
Receptacle for scouring pads or similar article. L. E. Parker. 160,009, Sept. 5.
Receptacle for toothbrushes or the like. L. Egerman. 157,947, Apr. 4.
Receptacle, Medicament. V. E. Britt. 157,337, Feb. 21.
Receptacle, Newspaper. N. C. Slaughter. 158,521, May 9.
Receptacle or similar article. P. Roche. 159,393, July 18.
Receptacle or similar article, Fruit. T. Farrell. 156,946, Jan. 24.
Receptacle, Range. L. Ludwig. 159,084, June 20.
Receptacle, Trash. W. K. Smithson. 158,905, June 6.
Record player. O. R. Nemeth. 160,878, Nov. 14.
Recorder, Facsimile. W. D. Teague. 158,027, Apr. 4.
Recorder, Magnetic tape. F. Lustig. 159,282, July 11.
Reflector, Lamp. A. A. Klepper. 161,187, Dec. 12.
Refrigerator. W. E. Jones. 160,501, Oct. 17.
Reel, Clothesline. A. B. Bok. 158,640, May 23.
Reel, Fishing. R. D. Hull. 159,986, Sept. 5.
Reel, Fishing. H. G. Shakespeare and G. D. Harrington. 160,817, Nov. 7.
Reel, Sound recording tape. R. F. How and D. S. Whitnah. 157,494, Feb. 28.
Reflector for Christmas tree lights or similar article, Decorative. D. M. Schlossberg. 160,215–16, Sept. 19.
Reflector unit. L. E. Russell. 157,624–5, Mar. 7.
Register, Autographic. R. S. Katz. 156,737, Jan. 3.
Regulator. K. A. Wood and M. Panich. 159,457, July 25.
Regulator, Fluid pressure. W. J. Jacobsson. 156,735, Jan. 3.
Releasing device, Fishhook. I. A. Kleiner. 158,595, May 16.
Remover, Bottle cap. R. van Trine. 157,927, Mar. 28.
Respirator or similar article. J. D. Hill. 161,337, Dec. 26.
Retainer, Key. J. R. Shevin and D. T. Shane. 161,059, Nov. 28.
Retarder for bowling balls or the like. N. H. Rewalt. 158,329, Apr. 25.
Rib, Gun sight. H. F. Moneymaker. 158,678, May 23.
Ring and cigarette holder, Combination. S. Marcus. 161,033, Nov. 28.
Ring, Finger. B. Axel. 160,293, Oct. 3.
Ring, Finger. O. E. Bass. 160,243, Sept. 26.
Ring, Finger. O. E. Bass. 160,294, Oct. 3.
Ring, Finger. C. M. Bradbury. 157,562, Mar. 7.
Ring, Finger. N. N. Breier. 158,927–8, June 13.
Ring, Finger. V. F. Colasuono. 157,941, Apr. 4.
Ring, Finger. R. K. Duncan. 161,324, Dec. 26.
Ring, Finger. C. G. and E. F. Gill. 156,952, Jan. 24.
Ring, Finger. T. C. Katke. 160,609, Oct. 24.
Ring, Finger. E. F. Kirkwood and S. L. Stevens. 158,198, Apr. 18.
Ring, Finger. B. Novgrad. 157,620, Mar. 7.
Ring, Finger. J. D. Reynolds, III. 156,917, Jan. 17.
Ring, Finger. L. A. Wheeler. 157,454, Feb. 21.
Ring or similar article, Finger. D. R. Cohen. 160,577, Oct. 24.
Ring or similar article, Wedding. J. Linden. 159,656, Aug. 8.
Ring or the like, Finger. N. Barbieri. 159,885, Aug. 29.
Ring, Teething. M. Mann. 161,353, Dec. 26.
Ring, Wedding. J. H. Schaeffer. 157,634, Mar. 7.
Rocket tank toy. W. B. Sewell. 159,934, Aug. 29.
Rocking horse, Progressive. A. K. Cook. 160,074, Sept. 12.
Rocking toy. O. Schlienger. 157,636, Mar. 7.
Rollback toy. E. R. Biggs. 157,464, Feb. 28.
Rosary. C. Civelli. 160,693, Oct. 31.
Rosary and finger ring or the like, Combined. J. Linden. 159,495, Aug. 1.
Roughener and shoehorn, Combined bowler's. W. R. Tarrant. 160,905, Nov. 14.
Router. D. C. Green. 159,336, July 18.
Rubbing machine or the like. P. T. Triolo. 160,036, Sept. 5.
Ruler. G. J. Staab. 158,145, Apr. 11.
Ruler, Accountant's. J. Bischof. 161,307, Dec. 26.
Runout bit. G. H. Collins. 160,249, Sept. 26.
Sachet. E. M. Fetterer. 157,479, Feb. 28.
Sachet. O. G. Smith. 160,439, Oct. 10.
Sachet figure and container therefor, Combined. A. H. Newman. 158,494–6, May 9.
Sachet or similar article. L. M. Share. 158,620, May 16.
Sadiron. J. F. Barnes. 157,725, Mar. 21.
Salad fork or the like. A. LaPaglia. 160,264, Sept. 26.
Salt shaker or similar article. J. Pinkos. 160,533, Oct. 17
Samovar. M. J. Jacobs. 159,153, June 27.
Sandal or similar article. J. L. Olson. 161,120, Dec. 5.
Sanding machine or similar article. R. E. Nixon. 159,433, July 25.
Sandwich. F. H. Cepl and E. M. Cullen. 158,048, Apr. 11.
Sandwich grill and pie maker, Combination. N. K. Morris. 157,694, Mar. 14.
Saucer or article of similar nature, Bread and butter. A. J. Dreitzer. 159,720, Aug. 15.
Saucer or similar article, Glass. A. J. Dreitzer. 159,192, July 4.
Savings bank. M. Cuomo. 160,481, Oct. 17.
Savings bank. J. A. Peterson. 159,754, Aug. 15.
Savings bank. C. A. Thompson. 160,133, Sept. 12.
Savings box and picture frame, Combined. A. W. Gullstrand. 158,458, May 9.
Saw attachment, Electric hand drill. J. M. Glade. 159,723, Aug. 15.
Saw, Carcass splitting. E. C. Steiner. 157,298, Feb. 14.
Saw, Chain. W. L. Gillespie. 160,851, Nov. 14.
Saw, Floor type tilting arbor. J. Andrews. 159,129, June 27.
Saw, Portable power. A. Bushnell. 159,043, June 20.
Scaffold horse. D. Ashenfelter. 157,023, Jan. 31.
Scale and tray, Combined postal. T. A. Overby. 159,092, June 20.
Scale, Balance. H. A. Hadley. 158,744, May 30.
Scarf. Y. Juillet. 159,733, Aug. 15.
Scarf. E. M. Lewis. 157,178, Feb. 7.
Scarf. E. M. Lewis. 157,271, Feb. 14.
Scarf. U. Mauri. 159,745, Aug. 15.
Scarf. T. L. Ofria. 161,276–8, Dec. 19.

Scarf. V. M. Wested. 157,221, Feb. 7.
Scarf or similar article. D. Batzes. 158,040, Apr. 11.
Scarf or similar article. N. I. Kahan. 157,762, Mar. 21.
Scarf or similar article, Flocked furniture. M. N. Esses. 160,376–7, Oct. 10.
Scarf, Woman's head. G. G. Burns. 157,836, Mar. 28.
Scissors or similar article, Pair of. J. J. Foye, Jr. 159,057, June 20.
Scoop and dispenser, Combined. E. San Giovanni. 159,101, June 20.
Scooter, Snow. H. G. Foster. 157,137, Feb. 7.
Scoreboard, Canasta. J. D. Cacciarelli. 161,088, Dec. 5.
Scorer, Baseball. W. Beach. 159,316, July 18.
Scorer, Canasta. W. C. Haring. 159,808, Aug. 22.
Scorer, Football. W. Beach. 159,315, July 18.
Scorer for shuffleboard games, Electric. A. H. Bouterious. 160,245, Sept. 26.
Scraper. R. W. Martin. 159,429, July 25.
Scraper. H. A. Wagner. 157,453, Feb. 21.
Scraper and coin holder, Combined. K. R. Hagen. 161,261, Dec. 19.
Scraper and hammer, Combined. W. E. Holt. 159,731, Aug. 15.
Scraper and holder for brushes, Combined. H. H. Kistner. 158,388, May 2.
Scraper, Boot. N. I. Law. 159,351, July 18.
Scraper for windshields or the like. G. H. Hake. 156,825, Jan. 10.
Scraper, Pot. L. M. J. Foulke. 157,481, Feb. 28.
Scraping and cleaning implement or similar article, Combined. F. Siegel. 157,209, Feb. 7.
Screen, Child's playhouse. H. G. Valentine. 159,019, June 13.
Screw driver. C. G. Baehr. 159,036, June 20.
Screw driver. R. W. Burgess. 157,732, Mar. 21.
Screw driver, Detachable handle. R. Garbs. 159,482. Aug. 1.
Screwdriver, Illuminating. C. R. Hettrick. 160,706, Oct. 31.
Seaplane. W. K. Ebel and J. D. Pierson. 159,788, Aug. 22.
Seal or similar article, Metal glass. M. N. Glickman and M. Klebanoff. 160,853, Nov. 14.
Sealer, Carton. J. A. Rademacher. 161,370, Dec. 26.
Sealing unit, Bag. C. Miller. 157,180, Feb. 7.
Seat. E. Hoback. 156,886, Jan. 17.
Seat. J. A. Mors. 159,509, Aug. 1.
Seat, Airplane. H. D. Rowe. 159,297, July 11.
Seat and cover therefor, Toilet. G. M. Mast and W. K. Gannett. 157,397, Feb. 21.
Seat cover, Automobile. N. Bloomfield. 157,561, Mar. 7.
Seat for toilet bowls, Correct posture. S. J. Thomas. 160,033, Sept. 5.
Seat or chair, Training. R. L. Wenkstern. 157,111, Jan. 31.
Seat or similar article, Child's. G. Karchenes. 157,376, Feb. 21.
Seat, Therapeutic exercising. W. L. Wettlaufer. 157,310, Feb. 14.
Seat, Toilet. B. A. Kandarian. 161,108, Dec. 5.
Seesaw. F. C. Castelli. 157,939, Apr. 4.
Seesaw, Rotary one-person. J. De W. Smith. 159,451, July 25
Selector, Make-up shade. A. Busiel. 158,174, Apr. 18.
Self-timer for camera shutter. K. A. Van Dyck. 158,628, May 16.
Separator, Egg yoke. L. Magnesi. 158,604, May 16.
Server, Coffee. E. L. Beckwith. 160,056, Sept. 12.
Server, Salad. P. W. Buechler. 158,551, May 16.
Service signal and napkin holder, Combined. V. S. Berry. 160,297, Oct. 3.
Service station, Automobile. J. J. Sullivan. 161,066, Nov. 28.
Service station, Roadside. P. B. Attwell. 158,542, May 16.
Service unit, Table. S. H. Smith and J. B. Solman. 157,446, Feb. 21.
Serving receptacle or similar article, Multitray. B. J. Brock. 160,688, Oct. 31.
Set of bridge playing game tablets. A. L. Redden. 160,889, Nov. 14.
Set of game pieces. L. Abbadie. 160,568. Oct. 24.
Set of game weights. E. Correale. 158,935, June 13.
Set of playing cards. J. E. Clarke. 160,148, Sept. 19.
Set of playing cards. R. C. Davis. 159,475–6, Aug. 1.
Setting or similar article, Gem. F. Eichmuller. 156,712, Jan. 3.
Setting or similar article, Gem. R. Rosenthal. 157,906–7, Mar. 28.
Sewing accessory doll. C. P. Walsh. 160,907, Nov. 14.
Sewing machine. R. Casas. 161,246. Dec. 19.
Sewing machine. L. Jolson. 160,500, Oct. 17.
Sewing machine. L. C. Marsac and W. J. Peets. 158,113. Apr. 11.
Sewing machine. K. Scheiwiller. 160,810–11, Nov. 7.
Shade, Lamp. E. T. Whitmer. 157,016, Jan. 24.
Shade or similar article, Glare. W. G. Williams and J. C. McGinnis. 158,630, May 16.
Shade, Vehicle windshield. R. E. Dieterich. 159,144, June 27.
Shadow scope. J. L. Cox. 159,474, Aug. 1.
Shaker, Combined salt-and-pepper. F. Polime. 161,125, Dec. 5.
Shaker, Combined salt and pepper. W. R. Redd. 156,766, Jan. 3.
Shaker, Condiment. G. Brooks, Jr. 160,920, Nov. 21.
Shaker, Condiment. H. H. Crimmel. 160,694, Oct. 31.
Shaker, Condiment. J. E. Kelly. 158,068, Apr. 11.
Shaker or similar article, Railway car. Y. Soderberg. 158,811, May 30.
Sharpener, Knife. S. Lieberman. 159,279, July 11.
Sharpener, Pencil. S. W. Landeborn. 158,296, Apr. 25.
Sharpener, Pencil. G. E. Wimmer. 159,400, July 18.
Shaver and head guard, Combined electric. I. Jepson. 159,070, June 20.
Shaver, Electric. C. L. Otto. 160,805, Nov. 7.
Shaver, Motorless dry. R. M. Hvid. 156,961, Jan. 24.
Shaving brush and razor holder. C. T. Oppermann, Jr. 157,780, Mar. 21.
Shear. W. L. Ludwick. 157,611, Mar. 7.
Shears, Double cutting. W. M. Shoffner. 159,231, July 4.
Sheet feeding apparatus, Automatic. E. L. Johnson. 160,862, Nov. 14.
Sheet of decorative material or the like. M. Sanders. 157,633, Mar. 7.
Sheet of stationery or the like. E. J. Jones. 157,601, Mar. 7.
Sheet of stationery or the like. E. J. Jones. 157,957, Apr. 4.
Sheet or similar article, Plastic. W. M. Feder. 159,479, Aug. 1.
Sheeting, Rubber. J. C. Kilner. 157,499, Feb. 28.
Shelf. M. H. Heacox. 160,384, Oct. 10.
Shelf. W. E. Mell. 158,115–16, Apr. 11.
Shelf, Bric-a-brac. P. Luchetti. 159,498, Aug. 1.
Shelf, Corner radio or utility. H. Kaplan and S. Eidinger. 157,052, Jan. 31.
Shelf, Hanging. A. A. Klepper. 160,632, Oct. 24.
Shelf, Knickknack. N. Rubin. 160,662, Oct. 24.
Shelf, Miniature wall. N. Rubin. 161,128, Dec. 5.
Shelf or similar article, Corner. S. K. Wolff. 159,570, Aug. 1.
Shelf, Portable nursery. M. Graboi. 161,258, Dec. 19.
Shelf, Revolving whatnot. A. Marks. 161,356, Dec. 26.
Shelf, Telephone. R. K. Abbott. 157,825, Mar. 28.
Shelf, Telephone. L. E. Fulton. 157,365, Feb. 21.
Shield, Electric lighting fixture. M. W. Schwartz and M. J. Marks. 159,300, July 11.
Shield for bottles, Sanitary. W. Lawlor. 160,635, Oct. 24.
Shield, Sun. I. M. Spier. 158,020, Apr. 4.
Shield, Vehicle wheel. L. A. Price. 159,859, Aug. 22.
Shingle. E. J. Kellogg. 160,866, Nov. 14.
Ship. W. Costa. 159,784, Aug. 22.
Ship hull. E. J. Sims. 160,818, Nov. 7.
Shirt. M. Shapiro. 158,902, June 6.
Shirt. A. Spector. 158,415–16, May 2.
Shirt, Athletic. J. W. Kelly and A. W. Fairbanks. 159,155–6, June 27.
Shirt and the like, Sport. G. V. Neff. 159,287, July 11.
Shirt, Child's bibbed. A. M. Parker. 161,365, Dec. 26.
Shirt or the like. D. A. Pope. 160,883, Nov. 14.
Shirt or the like, Sport. V. G. Boehnlein. 161,237, Dec. 19.
Shirt, Sport. S. F. Dennis. 161,322, Dec. 26.
Shock absorber for bicycles. C. T. Flanagan. 157,853, Mar. 28.
Shoe. J. Abowitz. 161,150, Dec. 12.
Shoe. R. J. Burke. 158,440, May 9.
Shoe. H. B. Delman. 156,870, Jan. 17.
Shoe. G. H. Gillis. 158,953, June 13.
Shoe. M. Gordon. 161,101, Dec. 5.
Shoe. H. Koomruian. 158,470, May 9.
Shoe. M. Lauer. 159,493–4, Aug. 1.
Shoe. N. P. Liberty. 158,395, May 2.
Shoe. J. W. McGee. 158,302–3, Apr. 25.
Shoe. B. Plotnick. 158,500, May 9.
Shoe. B. W. Price. 157,901–2, Mar. 28.
Shoe. J. Sandler. 158,330–1, Apr. 25.
Shoe. C. B. Scoville, Jr. 158,520, May 9.
Shoe, Athletic. G. L. Pierce and N. H. Thorkelson. 158,403, May 2.
Shoe, Child's. S. Weisz. 157,220, Feb. 7.
Shoe heel. G. V. Walls. 157,549, Feb. 28.
Shoe heel. G. V. Walls. 157,552, Feb. 28.
Shoe, House. J. B. Reinhart, Jr. and J. B. Ruebel. 161,371–4, Dec. 26.
Shoe, Infant's. O. A. Hildebrand. 161,181, Dec. 12.
Shoe or similar article. W. Braun. 160,247, Sept. 26.
Shoe or similar article. A. Briefda. 158,437–8, May 9.
Shoe or similar article. D. L. Fenlason. 158,653, May 23.
Shoe or similar article. F. Joyce. 158,385, May 2.
Shoe or similar article. A. R. Lakow. 158,389–90, May 2.
Shoe or similar article, Child's. F. J. Murphy. 160,729, Oct. 31.
Shoe or similar article, Infant's. F. J. Murphy. 160,730, Oct. 31.
Shoe or similar article of footwear. J. F. Eldon. 157,034, Jan. 31.
Shoe or the like. J. Sandler. 161,130, Dec. 5.
Shoe, Rubber. G. F. Stromberg, Jr. 159,761, Aug. 15.
Shoe-shining machine. E. A. Thielen. 159,304, July 11.
Shoe sole. R. K. Baltzer. 159,466, Aug. 1.
Shoe sole. B. H. MacLeod. 161,031, Nov. 28.
Shoe sole. A. A. Steinhilber. 160,561, Oct. 17.
Shoe sole. G. V. Walls. 157,550–1, Feb. 28.
Shoe, Tractor track. N. E. Risk. 157,905, Mar. 28.

Shoe tree, Child's. D. C. Wearing. 160,755, Oct. 31.
Shopping bag or similar article. B. Sommer. 157,800, Mar. 21.
Shopping center. A. McNab. 161,114, Dec. 5.
Shorthand machine. W. C. Nichols. 159,359, July 18.
Shorts or similar article, Play. B. Morrison. 157,775, Mar. 21.
Shorts or the like. I. S. Marks. 160,328, Oct. 3.
Shoulder rest, Telephone hand set. M. Paul. 161,366, Dec. 26.
Showcase. W. A. Lapham. 157,059, Jan. 31.
Showcase. W. A. Lapham. 157,765, Mar. 21.
Showcase. E. S. Pearce. 158,499, May 9.
Sifter. L. M. Barbery. 159,467, Aug. 1.
Sifter, Flour. M. D. McCormick. 160,726, Oct. 31.
Sign. J. W. Linley, Jr. 158,599, May 16.
Sign. R. A. Noble. 159,360, July 18.
Sign, Advertising. H. C. Hammer. 158,278, Apr. 25.
Sign, Advertising. H. C. Hammer. 158,573, May 16.
Sign, Display. C. L. Dwinell. 158,733, May 30.
Sign for stairs, Safety warning. O. A. Hendrickson. 158,662, May 23.
Sign, Illuminable. M. O. Wallace. 160,754, Oct. 31.
Sign, Street directional. M. J. Burke. 160,840, Nov. 14.
Signal arm for automotive vehicles, Illuminable semaphore. L. W. Carlson. 157,028, Jan. 31.
Signal device, Audible. S. M. Dover. 161,007, Nov. 28.
Signal for a divided highway, Traffic. R. O. Ferguson. 159,328–9, July 18.
Signal lamp and truck bed rub rail corner, Combined. E. S. Grumbache. 157,586, Mar. 7.
Signal light and ash receiver, Combined. A. C. Conner. 157,344, Feb. 21.
Signal, Reflector. C. M. Bolser. 161,085, Dec. 5.
Signal, Traffic. R. O. Ferguson. 158,369, May 2.
Signal, Traffic. R. O. Ferguson. 158,451, May 9.
Signal, Traffic. R. O. Ferguson. 159,145–6, June 27.
Signal, Traffic. R. O. Ferguson. 159,259, July 11.
Signal, Traffic island. R. O. Ferguson. 159,480–1, Aug. 1.
Sink. R. H. Culley. 156,704, Jan. 3.
Sink and washing machine, Combination. A. H. Gerhardt. 160,381, Oct. 10.
Siphon. W. T. Croft and W. G. Goodale. 156,703, Jan. 3.
Siren and spotlight or the like, Combined. J. S. McRea. 159,915, Aug. 29.
Sitz bath, Portable. S. F. Oliver. 158,118, Apr. 11.
Ski-sled. R. P. Brown. 159,950, Sept. 5.
Skillet. J. W. Stephen. 160,132, Sept. 12.
Skirt or similar article. S. C. Shannon. 160,438, Oct. 10.
Sled, Child's. Z. Kubiak. 160,869, Nov. 14.
Sled, Hand. L. Vavrik. 158,158, Apr. 11.
Slicer, Fruit and vegetable. M. Ross. 156,845, Jan. 10.
Slicer, Meat. E. C. Karp. 159,734, Aug. 15.
Slicer, Potato. R. R. Buthorus. 156,811, Jan. 10.
Slicer, Vegetable. P. R. McVicker. 156,836, Jan. 10.
Slicer, Vegetable. E. F. Whitfill and H. J. Talge. 160,982, Nov. 21.
Slicing and storing device, Combined. C. W. Paul. 158,999, June 13.
Slicing machine or similar article, Cheese. J. P. Mulhall. 159,088, June 20.
Slide binder, Photographic. J. Huisgen. 160,785, Nov. 7.
Slide viewer. H. F. Miller. 159,916, Aug. 29.
Slingshot. F. B. Hodge. 160,708, Oct. 31.
Slip. S. Godfried. 161,016, Nov. 28.
Slip. S. Wolf. 156,795–6, Jan. 3.
Slip. S. Wolf. 157,112–13, Jan. 31.
Slip and brassière, Combination. E. M. Dutton and S. H. Pion. 159,325, July 18.
Slip, Convertible neckline. L. Parlette. 160,332, Oct. 3.
Slip or similar article. I. M. Schuyler. 159,932, Aug. 29.
Slip, Strapless. C. Schuster. 157,008, Jan. 24.
Slipper. M. N. Brower. 160,835–8, Nov. 14.
Slipper. C. B. Dempster. 158,843, June 6.
Slipper. V. J. Gilmore. 158,954, June 13.
Slipper. M. F. Haas. 158,956, June 13.
Slipper, Child's. C. A. Renz. 160,891, Nov. 14.
Slipper, Elastic lace. G. Cohn. 159,049, June 20.
Slipper for children, Expansible. F. P. Feerick. 158,948, June 13.
Slipper or similar article. J. A. Lacek. 160,091, Sept. 12.
Slipper or similar article. D. J. Silver. 158,335, Apr. 25.
Slipper or similar article, Child's. H. E. Rosen. 157,292, Feb. 14.
Slipper or similar article, Child's. H. E. Rosen. 157,704, Mar. 14.
Slippersock. G. Frankel. 161,097, Dec. 5.
Slipper sock or similar article. M. N. Brower. 160,062–6, Sept. 12.
Smock. H. C. Cookman. 158,052, Apr. 11.
Snag release for fishing tackle. P. G. Snyder. 157,799, Mar. 21.
Snake tool, Plumber's rotary. L. J. Marx. 158,605, May 16.
Snowshoe. F. T. Paden. 161,198, Dec. 12.
Snowsuit or the like, Child's costume. C. S. Voss. 158,915, June 6.
Snuffer and lighter, Combined candle. W. G. Egle. 157,245, Feb. 14.
Snuffer, Cigarette. K. D. Peach. 159,093, June 20.
Soap dish. A. Sindler. 160,279, Sept. 26.
Soap dish and soap holder, Combination. M. F. Reed. 159,860, Aug. 22.
Sock, Man's. S. J. Haddad. 160,168–9, Sept. 19.
Sock or similar article. L. Lasar. 159,647–53, Aug. 8.
Sock or similar article. S. B. Schwartz and R. D. Blum, Jr. 158,224, Apr. 18.
Sock or similar article. S. B. Schwartz and R. D. Blum, Jr. 159,541–50, Aug. 1.
Sock or similar article. S. B. Schwartz and R. D. Blum, Jr. 159,669–84, Aug. 8.
Socket and clamp, Combined electrical. N. Riesinger. 160,540, Oct. 17.
Socket, Light. H. W. Hoard. 156,730, Jan. 3.
Sofa. R. Manbert. 158,877, June 6.
Soldering iron, Gun-type. H. W. Darr. 157,470, Feb. 28.
Sole, Shoe. A. L. Diller. 158,361, May 2.
Sole, Shoe. A. A. Esterson. 159,791, Aug. 22.
Sole, Shoe. J. A. Lussier. 157,989, Apr. 4.
Sole, Shoe. A. Steinhilber. 159,302, July 11.
Sorter, Card. G. H. Kress and C. W. Sundberg. 160,721, Oct. 31.
Spade fork or similar article. E. M. Scott. 161,131, Dec. 5.
Speaker for dictating machines, Soft. F. J. Fox, H. A. Williams, and R. A. Sherman, Jr. 157,138, Feb. 7.
Spectacle endpiece. O. E. Wolter. 159,032, June 13.
Spectacle frame or similar article. I. Hirschman. 158,857, June 6.
Spectacles, Pair of. I. Gayson. 156,723, Jan. 3.
Spectacles, Pair of. J. R. Watkins. 161,297, Dec. 19.
Spice holder and wall shelf, Combined. C. A. Busch. 160,367, Oct. 10.
Spinner, Wheel. K. Lowe. 160,327, Oct. 3.
Spinning and twisting machine, Portable. W. C. Lamoreaux. 158,475, May 9.
Splicing machine, Motion-picture film. K. A. Van Dyck. 160,038, Sept. 5.
Sponge or the like, Hand and arm suspended bath and washing. G. Virneburg. 160,041–2, Sept. 5.
Spoon. M. L. Wendling. 161,224, Dec. 12.
Spoon. C. A. Zinn. 159,769, Aug. 15.
Spoon, Adjustable measuring. F. R. Chester. 156,814, Jan. 10.
Spoon, Baby's. H. C. Milne. 161,359, Dec. 26.
Spoon, Child's. R. S. Claflin. 157,343, Feb. 21.
Spoon, Child's. G. K. Geerlings. 157,249, Feb. 14.
Spoon, fork, and holder, Combination. E. Nudelman. 157,185, Feb. 7.
Spoon, Infant's feeding. J. P. McCarthy. 160,406, Oct. 10.
Spoon, Measuring. G. H. Shirley. 156,850, Jan. 10.
Spoon, Medicine. G. Pavlinetz. 159,920, Aug. 29.
Spoon or other article of flatware. M. B. and D. A. Baker. 157,025, Jan. 31.
Spoon or other article of flatware. M. B. and D. A. Baker. 159,244, July 11.
Spoon or other article of flatware. E. J. Conroy. 156,940, Jan. 24.
Spoon or other article of flatware. E. J. Conroy. 159,251, July 11.
Spoon or other article of flatware. A. A. Dabrowski. 156,941–2, Jan. 24.
Spoon or other article of flatware. R. L. Doerfler. 159,256–7, July 11.
Spoon or similar article. T. E. Cayer. 157,658, Mar. 14.
Spoon or similar article. J. W. W. Creke. 159,253, July 11.
Spoon or similar article. E. A. Davis. 156,943, Jan. 24.
Spoon or similar article. M. P. Fleming. 157,037, Jan. 31.
Spoon or similar article. W. H. Gerth. 157,041, Jan. 31.
Spoon or similar article. W. H. Gerth. 159,262–3, July 11.
Spoon or similar article. G. Honnet. 157,595–6, Mar. 7.
Spoon or similar article. W. L. Lafferty. 157,689, Mar. 14.
Spoon or similar article. W. L. Lafferty. 159,349, July 18.
Spoon or similar article. W. L. Lafferty. 159,737, Aug. 15.
Spoon or similar article. M. L. Millspaugh. 159,917, Aug. 29.
Spoon or similar article. C. A. Rivard. 157,703, Mar. 14.
Spoon or similar article. M. H. Storch. 161,398, Dec. 26.
Spoon or similar article, Child's. H. R. Chinnock. 157,842, Mar. 28.
Spoon or similar article of flatware. N. Bel Geddes. 159,773–4, Aug. 22.
Spoon or similar article of flatware. M. Bernstein. 157,232, Feb. 14.
Spoon or similar article of flatware. J. Brokate. 159,779, Aug. 22.
Spoon or similar article of flatware. A. R. Macomber. 157,274, Feb. 14.
Spoon or similar article of flatware. M. Weeber. 159,876, Aug. 22.
Spotlight. J. Kliegl. 158,200, Apr. 18.
Spotlight or the like, Pistol grip. C. G. Barrett. 160,138, Sept. 19.
Spotting machine. W. C. Glover, Jr. 157,753, Mar. 21.
Spout for cardboard milk containers, Pouring. J. Ciclo, Sr. 160,071, Sept. 12.
Spray device. S. F. Graham. 157,143, Feb. 7.
Sprayer. V. Elsner. 156,873, Jan. 17.
Sprayer for insecticide or the like. A. S. Knapp. 158,467, May 9.

Spraying device. R. R. Ward and H. A. Waters. 160,565, Oct. 17.
Spraying device or similar article. A. S. Knapp. 158,468, May 9.
Spreader, Butter. G. H. Newell. 157,183, Feb. 7.
Sprinkler, Lawn. J. K. Heick. 157,045, Jan. 31.
Sprinkler, Lawn. H. S. Ingham and C. K. Wilson. 157,315, Feb. 14.
Sprinkler, Lawn. W. C. Wehner. 159,180, June 27.
Spur. A. Leveque. 158,598, May 16.
Squeezer, Individual lemon. E. F. Holman. 157,761, Mar. 21.
Stamp, Hand. M. Mann. 158,299, Apr. 25.
Stand and cover for a cigarette lighter or the like, Combined. W. J. Condon. 159,187, July 4.
Stand and perfume bottle holder, Combined. F. M. Breen. 158,643, May 23.
Stand and perfume bottles, Combined. F. M. Breen. 158,644, May 23.
Stand, Ash tray. H. M. Taylor. 157,712, Mar. 14.
Stand, Basin. H. M. Berner. 160,918, Nov. 21.
Stand, Collapsible. A. A. Naulin. 157,075, Jan. 31.
Stand, Desk. B. Niesner. 156,758, Jan. 3.
Stand, Display. H. B. Feist. 157,746–7, Mar. 21.
Stand, Display. J. W. Harvey. 157,152, Feb. 7.
Stand, Display. J. B. Herman. 158,382, May 2.
Stand, Display. A. Paolillo. 159,512, Aug. 1.
Stand, Display. E. Rothchild. 159,861, Aug. 22.
Stand, Display. E. W. Waltz. 160,674, Oct. 24.
Stand, Dressing. W. M. Earley. 157,744, Mar. 21.
Stand for beverage dispensers. R. B. Duff. 160,930, Nov. 21.
Stand for display and preservation of autographed spheres such as baseballs or the like. W. Wasilevich. 158,699, May 23.
Stand for food waste disposal units, Display. E. R. Ames. 159,310, July 18.
Stand for garden hose, Display. R. K. Ruch. 160,663, Oct. 24.
Stand for motor-driven food appliances or similar articles, Supporting. M. E. Allesee. 156,688, Jan. 3.
Stand, Hat display. S. Bernstein. 161,083, Dec. 5.
Stand, Lighting fixture display. H. S. Leebaw. 158,980, June 13.
Stand, Lock display. A. Schoepe. 158,805, May 30.
Stand, Lock display. A. Schoepe. 159,540, Aug. 1.
Stand, Lollipop. D. Favia. 160,486, Oct. 17.
Stand, Magazine. O. Rubrite. 160,432, Oct. 10.
Stand, Magazine. D. A. Walker. 160,753, Oct. 31.
Stand, Manicure. W. T. Jones. 159,265, July 11.
Stand, Match book display. J. Shapiro. 161,138–9, Dec. 5.
Stand, Match display. J. Shapiro. 160,344, Oct. 3.
Stand, Merchandise display. N. W. Moody. 161,117, Dec. 5.
Stand or similar article, Display. H. A. Gurries. 159,727, Aug. 15.
Stand or similar article, Merchandise display. F. Westernacher. 160,234, Sept. 19.
Stand or similar article, Portable display. P. Hopp. 158,464, May 9.
Stand, Refreshment. A. H. Melcher and R. B. Bailey. 161,275, Dec. 19.
Stand, Roadside. L. Zweig. 161,403, Dec. 26.
Standard, Chair end. W. H. Bond, Jr. 160,060–1, Sept. 12.
Standard, Lamp. M. N. Miller. 157,068, Jan. 31.
Standard, Lamp. S. K. Williams. 156,927, Jan. 17.
Stapler, Desk. C. E. Nyberg. 158,401, May 2.
Stapling machine. H. W. Marano. 156,834, Jan. 10.
Stapling machine, Package. T. M. Sasser. 158,221, Apr. 18.
Steering wheel and horn ring assembly, Automotive vehicle. A. Ross. 159,930, Aug. 29.
Stencil, Eyebrow. E. H. Westmore. 161,144, Dec. 5.
Step device, Portable. H. E. Rogers. 157,436, Feb. 21.
Step, Ladder. H. M. Simon. 158,136, Apr. 11.
Stepladder or the like. R. A. Cramer. 161,091, Dec. 5.
Step, Safety ladder. H. W. Ronfeldt. 157,206, Feb. 7.
Stereoscope. R. G. Reineman. 157,087, Jan. 31.
Stocking. H. J. Bambach. 161,153, Dec. 12.
Stocking. E. J. Berger. 161,304, Dec. 26.
Stocking. E. Boettcher. 159,404, July 25.
Stocking. S. I. Burd. 160,299, Oct. 3.
Stocking. G. Clauss. 156,937–9, Jan. 24.
Stocking. R. Friedrich, Jr. 158,850, June 6.
Stocking. R. Friedrich, Jr. 160,588, Oct. 24.
Stocking. H. N. Goodman. 161,332, Dec. 26.
Stocking. B. D. Gordon. 160,590–3, Oct. 24.
Stocking. R. L. Hall. 157,044, Jan. 31.
Stocking. O. E. Kuehnert. 159,216, July 4.
Stocking. W. M. Langer. 158,202, Apr. 18.
Stocking. J. Miran. 158,488–91, May 9.
Stocking. P. R. Nestler. 156,910, Jan. 17.
Stocking. B. Ontra. 160,804, Nov. 7.
Stocking. I. Rabinowitz. 157,622, Mar. 7.
Stocking. R. Rabinowitz. 157,788–9, Mar. 21.
Stocking. I. Rabinovitz. 157,903, Mar. 28.
Stocking. I. Rabinovitz. 161,281, Dec. 19.
Stocking. R. E. Schletter. 157,003–05, Jan. 24.
Stocking. E. L. Schubert. 157,006–07, Jan. 24.
Stocking. H. M. Suess. 158,147–8, Apr. 11.
Stocking. G. C. Tait. 157,299–300, Feb. 14.
Stocking. W. Tait. 158,626, May 16.
Stocking. W. Tait. 158,913, June 6.
Stocking. F. G. Weisbecker. 158,824, May 30.
Stocking. C. L. Williams. 160,450, Oct. 10.
Stocking. K. Zabel. 158,828, May 30.
Stocking, Lady's. V. Butler. 158,553, May 16.
Stocking, Lady's. M. J. Gordon. 158,955, June 13.
Stocking, Lady's. B. D. Huntley. 158,663, May 23.
Stocking, Lady's. G. Koehler. 160,401, Oct. 10.
Stocking, Lady's. H. Levy. 160,796–7, Nov. 7.
Stocking, Lady's. W. Mueller. 160,521, Oct. 17.
Stocking, Lady's. W. Nebel. 157,890, Mar. 28.
Stocking, Lady's. A. H. Rogers. 158,690, May 23.
Stocking, Lady's. E. Roskind. 159,166, June 27.
Stocking, Lady's. O. F. Smetana. 158,809–10, May 30.
Stocking, Lady's. O. F. Smetana. 160,555, Oct. 17.
Stocking, Lady's. A. Wilcher. 159,027–31, June 13.
Stocking or similar article, Lady's. I. Belaief. 160,992, Nov. 28.
Stocking or similar article, Woman's. O. W. Grummt. 158,264–77, Apr. 25.
Stocking or similar article, Woman's. O. W. Grummt. 158,374–6, May 2.
Stocking or similar article, Woman's. O. W. Grummt. 160,594, Oct. 24.
Stocking or similar article, Woman's. R. P. Scherzer. 160,343, Oct. 3.
Stone shield, Automobile. H. T. Bannister. 160,459, Oct. 17.
Stone shield, Automobile. H. W. Pilkey. 160,532, Oct. 17.
Stone shield, Automobile. F. Reynolds. 160,124, Sept. 12.
Stone shield, Automobile. D. E. Scott. 160,547, Oct. 17.
Stone, shield, Automobile. E. O. Sheard. 160,550–51, Oct. 17.
Stool. H. M. Berner. 158,042, Apr. 11.
Stool. H. M. Berner. 158,834, June 6.
Stool. W. H. Scott. 160,129, Sept. 12.
Stool, Leg. P. W. Hood and R. Moorman. 157,493, Feb. 28.
Stool seat. L. M. Michelson. 160,105, Sept. 12.
Stool, Shoe fitting. H. K. Mitchell. 159,999, Sept. 5.
Stopper, Bottle. F. M. Breen. 157,336, Feb. 21.
Stopper, Bottle. J. Gould, Jr. 157,368, Feb. 21.
Stopper, Bottle. P. R. Gruber. 157,253–4, Feb. 14.
Stopper or similar article. J. W. Simoneau. 157,915, Mar. 28.
Stove and table, Combined cabinet. H. McNaughton. 158,989, June 13.
Stove, Gas. H. Desguin and N. Sauvage. 160,776, Nov. 7.
Stove or the like. V. F. Dale and H. Dorfman. 158,359, May 2.
Straight edge and level, Combined. A. S. Daudelin. 159,254, July 11.
Strainer for drinking vessel or similar article. C. Alexander. 160,050, Sept. 12.
Strainer, Sink. P. F. Danielson. 160,774, Nov. 7.
Straw, Drinking. M. Dinhofer. 158,056, Apr. 11.
Stretcher, Stocking. R. J. Wolfe. 157,017, Jan. 24.
Strip, Metal. A. Caccia. 158,648, May 23.
Stroller. J. T. Wheeler. 161,227, Dec. 12.
Stroller, Baby. R. C. Heideman. 160,598, Oct. 24.
Stroller, Child's. C. W. Chance. 157,737, Mar. 21.
Stroller, Child's. H. R. Pinkerton. 157,085, Jan. 31.
Stroller or similar article. J. Berger. 158,041, Apr. 11.
Sudsing device. V. J. Lee. 158,204, Apr. 18.
Suede brush and container therefor, Combination. I. Hertzberg. 157,258, Feb. 14.
Sugar bowl. J. L. Parentice. 157,410, Feb. 21.
Suitcase or the like. S. Bert. 158,354, May 2.
Suit, Child's cowboy. H. D. Knight. 157,380, Feb. 21.
Suit, Child's hooded. J. Astrove. 160,831, Nov. 14.
Suit, Lady's. B. Geffen. 157,858, Mar. 28.
Suit, Lady's. J. Lipman. 158,983–4, June 13.
Suit, Play. N. J. Greene. 157,585, Mar. 7.
Sundial. S. Rudholm. 158,013, Apr. 4.
Sun glasses or similar article, Pair of. J. R. Shrewsbury. 161,140, Dec. 5.
Sun-goggle or the like. B. Ulvad. 158,532, May 9.
Sun shield or similar article. I. Sors and A. Abrahamson. 160,897, Nov. 14.
Sun suit. N. Nicoli. 157,403, Feb. 21.
Sun visor for automobiles, Detachable. H. Abrams. 157,555, Mar. 7.
Support and end member for shelves. L. P. Shield. 157,092, Jan. 31.
Support and sterilizer, Combined telephone. J. L. Backle. 157,120, Feb. 7.
Support, Book. M. O. Hutchison. 159,622, Aug. 8.
Support, Combination telephone instrument and memorandum pad. L. B. Simon. 159,935, Aug. 29.
Support, Display. F. H. Fisher. 158,185, Apr. 18.
Support, Display. S. Harris. 158,189–90, Apr. 18.
Support, Flower. R. Gerth. 157,366, Feb. 21.
Support, Fluorescent lamp. A. F. Pieper. 157,204, Feb. 7.
Support for a windshield visor, Center bracket. R. E. Dieterich. 159,963, Sept. 5.
Support for cigarettes or the like, Bracket. L. A. Hervey. 158,191, Apr. 18.
Support for use in applying nail polish, Combined hand and foot. W. W. Pearce. 157,280, Feb. 14.
Support, Golf bag. C. D. Salkeld. 159,167, June 27.

Support or similar article, Necktie. A. Leebow. 158,105, Apr. 11.
Support or the like, Soap. H. Biener. 158,435, May 9.
Supporter, Trouser. L. D. Cook. 159,252, July 11.
Supporting unit for barbecues or the like. C. M. Ellis. 158,844, June 6.
Surface wiring outlet, Duplex. M. N. Russell. 159,004, June 13.
Sweater. H. Boepple. 156,862, Jan. 17.
Sweater or the like. H. Rubin. 157,433–4, Feb. 21.
Swimming pool. K. H. Larkin. 160,871, Nov. 14.
Swing. H. C. Kregger. 161,111, Dec. 5.
Swing. W. H. Nicholson. 157,078, Jan. 31.
Swing, Child's. L. W. Otis. 158,679, May 23.
Swing, Toy. F. Hill. 158,462, May 9.
Switch, Electric momentary contact. A. N. BecVar and R. E. Munz. 158,637, May 23.
Switch post, Key actuated. B. A. Andrews. 160,990, Nov. 28.
Switch-socket for electric lamps. L. Ludwig. 160,638, Oct. 24.
Switch, Surface toggle. L. Ludwig. 158,601, May 16.
Switching device for controlling aircraft instruments. C. C. Pine, H. C. Bostwick, C. F. Fragola, and F. G. Nesbitt. 159,440, July 25.
Swivel. W. T. Blake and J. R. Moore. 157,122, Feb. 7.
Table. M. R. Cohen. 156,816, Jan. 10.
Table. A. D'Ambrosio, O. Hiss, and F. Wildstein. 158,055, Apr. 11.
Table. A. S. Goldberg. 159,609, Aug. 8.
Table. G. U. Nisle. 157,184, Feb. 7.
Table. I. Silverman. 161,217, Dec. 12.
Table. E. J. Spence. 158,524, May 9.
Table. A. E. Sternkopf. 157,448, Feb. 21.
Table. J. E. White. 157,649, Mar. 7.
Table. C. F. Williams. 157,226, Feb. 7.
Table and bench construction unit, Combined folding. C. Viola. 158,160, Apr. 11.
Table and chair, Combination. J. J. Smith and C. L. Chew. 158,522, May 9.
Table and lamp, Combined. F. M. Scarale. 157,439, Feb. 21.
Table and seat, Combined dining car. F. L. Murphy and H. T. Martin. 158,892, June 6.
Table, aquarium, and plant receptacle, Combination. L. G. Newcomb. 159,661, Aug. 8.
Table, Bowling game. E. J. Collins. 160,923, Nov. 21.
Tablecloth, Lace. F. P. Castorani. 159,186, July 4.
Tablecloth or the like. F. Pilitz. 156,839, Jan. 10.
Table, Console. G. I. Tanier. 159,562, Aug. 1.
Table cover, Lace. H. Hooven. 159,207, July 4.
Table, End. W. J. Carr. 157,937, Apr. 4.
Table, Extension. M. S. Karp. 157,377, Feb. 21.
Table, Fold-away tray. C. G. Nesbitt. 158,117, Apr. 11.
Table, Game. G. L. Vunck. 160,350, Oct. 3.
Table, Illuminating. L. J. Reynolds. 157,205, Feb. 7.
Table, Lamp. G. I. Tanier. 159,561, Aug. 1.
Table, Manicure. P. H. Moore. 161,361, Dec. 26.
Table or like article, Foldable. A. Marx. 158,878, June 6.
Table or the like. L. J. Pattishall. 159,663, Aug. 8.
Table or the like, Cocktail. H. Ritts. 157,791, Mar. 21.
Table, Photographic layout. J. F. Knapp. 156,747, Jan. 3.
Table, Railway dining car. F. L. Murphy and H. T. Martin. 158,890–1, June 6.
Table, seats, and cabinet therefor, Combined folding. H. Lahr. 158,473, May 9.
Table, Shuffle board. T. S. Mayer and P. E. Evans. 159,501, Aug. 1.
Table, Shuffleboard game. H. V. Storey. 159,109, June 20.
Tablespoon for infants. L. B. Titensky. 158,818, May 30.
Table, Steam. N. P. Bard. 158,830, June 6.
Table top or similar article. B. Bunin. 161,312, Dec. 26.
Table top or similar article. C. H. Frederick. 158,849, June 6.
Table top or similar article, Leather. L. Scalera. 161,212–13, Dec. 12.
Tank, Transportable. C. B. Stevens. 159,239, July 4.
Tank, Vehicular. C. B. Stevens. 159,238, July 4.
Target, Trap shooting. L. R. Jordan. 160,789, Nov. 7.
Teacup. M. J. Denn and C. W. Stanton. 158,558, May 16.
Teakettle. F. D. Patti. 158,001, Apr. 4.
Teakettle. W. A. Welden. 159,307, July 11.
Teakettle. M. S. Ziskin and R. B. Billig. 160,912, Nov. 14.
Teapot. J. L. Parentice 157,408–9, Feb 21.
Teapot or the like. A. P. Freeman. 161,253, Dec. 19.
Teether, Baby. G. Azov and S. Tkatch. 160,454, Oct. 17.
Teething device for babies. M. H. J. McCloskey and A. P. Nell. 158,606, May 16.
Telephone dialer, Automatic. J. Kilburg. 160,867, Nov. 14.
Telephone set. H. D. Currier. 159,188, July 4.
Telescope. D. E. Davidson. 159,719, Aug. 15.
Temple, Spectacle. F. W. Lindblom. 159,355, July 18.
Tenderizer or similar article, Meat. E. M. Hulquist. 159,908, Aug. 29.
Terminal, Electrical binding-post. H. C. Littlejohn. 161,030, Nov. 28.
Tester or similar article, Tire gauge. H. G. Cooper. 157,943, Apr. 4.
Tester, Thermostat. L. B. Miller. 160,191, Sept. 19.
Testing device, Carbonation. N. J. Barudin. 158,039, Apr. 11.
Textile fabric. J. Walther, Jr. 161,221–3, Dec. 12.
Textile fabric or similar article. N. Lewin. 158,771–2, May 30.
Textile fabric or similar article. W. D. Roberson. 158,801, May 30.
Textile fabric or similar article. E. Wintrich. 160,236, Sept. 19.
Textile fabric or similar article of manufacture. L. Appleton. 159,708–11, Aug. 15.
Textile fabric or similar flat surface material. W. A. Harrell. 160,383, Oct. 10.
Textile fabric or similar flat surface material. W. A. Harrell. 161,021, Nov. 28.
Textile fabric or similar flat surface material. E. Seeley. 160,435, Oct. 10.
Textile fabric or the like. C. M. Ogden. 161,119, Dec. 5.
Thermometer. W. D. Teague and R. H. Ensign. 160,672, Oct. 24.
Thermometer and barometer, Combined. W. D. Teague and R. H. Ensign. 157,103, Jan. 31.
Thermometer and barometer, Combined. W. D. Teague and S. D. Wassyng. 160,032, Sept. 5.
Thermometer and clothing indicator, Combined. A. P. Barkules and R. G. Sanders. 157,653, Mar. 14.
Thermometer, Bath. W. D. Teague and R. H. Ensign. 158,421, May 2.
Thermometer, Desk. R. E. Gordenier. 158,067, Apr. 11.
Thermostat. H. Kelly. 157,685, Mar. 14.
Thermostat, Room. R. W. Johnson and V. R. Pawelsky. 157,600, Mar. 7.
Thimble, Fingernail guard. J. J. Quethera. 158,614, May 16.
Threader, Needle. P. E. Irwin. 159,341, July 18.
Threading device, Needle. C. A. Pinkham and B. Holohan. 161,280, Dec. 19.
Threading device, Needle. D. M. Stadd and J. M. Sniffen. 160,348, Oct. 3.
Threading device, Sewing machine needle. C. A. Pinkham and B. Holohan. 160,210, Sept. 19.
Tie slide. A. Corpora. 161,005, Nov. 28.
Tile, Acoustical. L. Romanelli. 160,020, Sept. 5.
Time reminder. W. B. Leland. 159,278, July 11.
Timer and condiment holders for cooking range, Combined. J. B. Stuman. 156,784, Jan. 3.
Timer, Interval. F. Lux. 157,882, Mar. 28.
Timer, Musical practice. P. F. D. Jansen. 161,263, Dec. 19.
Timer or similar article. T. G. Haney. 160,170, Sept. 19.
Timer or similar article, Nursery. I. Shelton and E. L. Whitlock. 158,225, Apr. 18.
Timer or similar article, Presetting interval. T. G. W. Nevell. 157,893, Mar. 28.
Timing instrument. M. E. Schlenker. 158,016, Apr. 4.
Tire. P. E. Bergen. 157,829, Mar. 28.
Tire. P. E. Hawkinson. 157,674, Mar. 14.
Tire. P. E. Hawkinson. 157,953, Apr. 4.
Tire. P. E. Hawkinson. 160,318, Oct. 3.
Tire. E. A. Salcy. 157,437, Feb. 21.
Tire. C. P. Wilcox. 158,031, Apr. 4.
Tire, Aircraft. C. A. Bigelow. 161,234–5, Dec. 19.
Tire, Nonskid. P. H. Long. 157,693, Mar. 14.
Tire, Pneumatic. P. J. Forrest and H. C. Wiechman. 157,135, Feb. 7.
Tire, Pneumatic. P. E. Hawkinson. 157,866, Mar. 28.
Tire, Pneumatic. A. A. Hobe. 158,747, May 30.
Tire, Vehicle. A. H. Benorden. 161,155, Dec. 12.
Tire, Vehicle. A. H. Nellen. 159,432, July 25.
Tissue packet. D. L. Pelton. 159,753, Aug. 15.
Toaster. F. Bertino. 158,430, May 9.
Toaster. I. Jepson and R. D. Budlong. 161,266, Dec. 19.
Toaster. J. N. Polivka, G. T. Scharfenberg, and V. M. Butterfield. 156,996, Jan. 24.
Toaster. C. E. Waltman. 157,108–9, Jan. 31.
Toaster, Electric. M. F. Fitzgerald. 161,096, Dec. 5.
Toaster or similar article, Sandwich. S. Blackman. 157,832, Mar. 28.
Toaster support and carrying handle, Combination. J. N. Polivka, G. T. Scharfenberg, and V. M. Butterfield. 156,998, Jan. 24.
Toilet article tray and bobby pin opener, Combined. N. L. Solomon. 158,812, May 30.
Tone arm or the like, Phonograph. M. M. Palo. 160,528, Oct. 17.
Tone-arm, Phonograph. N. T. Baldanza. 161,300, Dec. 26.
Tongs, Kitchen. W. W. Edlund. 160,375, Oct. 10.
Tongs, Lifter. J. C. Brown. 158,837, June 6.
Tongs, Pair of. J. O. Kolden. 157,874, Mar. 28.
Tool, Automobile door latch flanging. V. O. Lane. 157,057, Jan. 31.
Tool, Bar. J. Przybyla. 159,533, Aug. 1.
Toolbox. E. E. Tremarco. 160,134, Sept. 12.
Tool cabinet and workbench, Combined. A. P. Fox and A. D. Reisert. 157,856, Mar. 28.
Tool, Combination. A. J. Hoeflicker. 156,732, Jan. 3.
Tool, Combination. P. Weymand. 158,629, May 16.
Tool, Fisherman's utility. W. A. Uttz. 157,013, Jan. 24.
Tool, Garden. J. A. Fraim. 156,876, Jan. 17.

Tool or similar article, Garden. P. J. Gordineer. 159,334, July 18.
Tool, Rod gripping. J. L. Haddock. 159,907, Aug. 29.
Tool, Suction operated floor cleaning. F. K. Minerley. 157,774, Mar. 21.
Tool, Table lobster. E. F. Cook. 161,004, Nov. 28.
Tool, Tank cap. J. V. Milo. 160,645–6, Oct. 24.
Tool, Wire staple removing. W. G. Pankonin. 157,995, Apr. 4.
Tool, Wire staple removing. W. G. Pankonin. 158,608, May 16.
Tool, Wire staple removing. W. G. Pankonin. 160,420, Oct. 10.
Toothbrush. D. W. Brooks. 160,919, Nov. 21.
Toothbrush. C. H. Graves, Jr. 157,669, Mar. 14.
Toothbrush. R. W. Hutson. 160,604, Oct. 24.
Toothbrush. G. F. Johnson. 158,078, Apr. 11.
Toothbrush. A. F. MacDonald. 160,101, Sept. 12.
Toothbrush. J. Yourek. 159,569, Aug. 1.
Toothbrush and dentifrice holder, Combined. C. V. Berry. 157,936, Apr. 4.
Toothbrush and tooth paste tube holder or similar article. G. A. Moskowitz. 161,196, Dec. 12.
Toothbrush and tube holder, Combination. M. M. Goodman. 161,257, Dec. 19.
Toothbrush and tumbler holder, Combined. P. F. Simpson. 158,139, Apr. 11.
Toothbrush, Fountain. L. F. Perwas. 157,514, Feb. 28.
Toothbrush, tooth paste, and drinking glass support, or similar article, Combined. J. S. Garcia. 157,749, Mar. 21.
Top and backsplasher unit for electric ranges, Combined. H. V. Gosweiler, Jr. 157,141–2, Feb. 7.
Top, Automobile. W. Poulos. 157,899, Mar. 28.
Top, Automotive vehicle. C. H. Graham. 159,335, July 18.
Top, Game box. T. D'Addario. 160,252, Sept. 26.
Top, Game table. W. H. Smith and G. W. Conley. 158,523, May 9.
Top, Smoker's ash receptacle. W. C. Panzer. 160,111, Sept. 12.
Top, Spinning. J. W. Krapp. 157,985, Apr. 4.
Torch. J. G. Mason. 160,104, Sept. 12.
Towel. R. Forster. 157,136, Feb. 7.
Towel storage, dispensing and disposal cabinet, Combination. G. M. Stewart. 160,226, Sept. 19.
Toy accordian. N. T. Baldanza. 160,991, Nov. 28.
Toy animal. M. M., and H. M. Hickox. 160,171, Sept. 19.
Toy animal figure. L. J. Campbell. 160,471, Oct. 17.
Toy animal figure. P. Ganine. 158,737–8, May 30.
Toy animal figure. G. W. Geromanos. 158,254–61, Apr. 25.
Toy animal figure. M. C. Levich. 158,393–4, May 2.
Toy animal figure. A. N. Marshall. 160,874, Nov. 14.
Toy animal figure and container or similar article, Combined. A. S. Jarvis. 158,077, Apr. 11.
Toy animal figure or the like. T. C. Martin. 159,657, Aug. 8.
Toy animal figure or the like. R. Mirman. 157,400, Feb. 21.
Toy animal figure, Stuffed. E. S. Valliant and P. K. Sunter. 160,445, Oct. 10.
Toy, Animated. G. L. Cunningham. 158,357, May 2.
Toy, Animated. E. F. Schultz. 156,776, Jan. 3.
Toy, Animated trundle. E. F. Schultz. 156,775, Jan. 3.
Toy automobile, Educational. A. C. Young. 161,148, Dec. 5.
Toy balloon or similar article. F. K. Daniel and E. N. Horn. 159,718, Aug. 15.
Toy, Banana vendor. H. G. Tietje. 160,230, Sept. 19.
Toy bank. L. E. Cooke. 161,090, Dec. 5.
Toy bird. C. E. Harsh. 159,063, June 20.
Toy boat. H. S. Hughes. 160,499, Oct. 17.
Toy boat or the like. P. A. Derham. 159,053, June 20.
Toy, Bubble blowing. A. M. Steiner. 157,100, Jan. 31.
Toy, Candy containing musical. T. H. Stough. 157,011, Jan. 24.
Toy catapult. C. D. Gilmore. 160,257, Sept. 26.
Toy catapult body or similar article. C. W. Sundberg. 159,452, July 25.
Toy chest, desk, and love seat for children, Combination. M. Greene. 161,172, Dec. 12.
Toy, Child's. D. Drucker. 157,743, Mar. 21.
Toy, Child's teething. H. R. Binney. 160,140, Sept. 19.
Toy crossbow. P. W. White. 157,223–4, Feb. 7.
Toy derrick. M. C. Betts. 159,948, Sept. 5.
Toy disk gun. R. W. Clauss. 160,370, Oct. 10.
Toy dog. J. V. Zimmerman. 159,707, Aug. 8.
Toy duck. R. Y. Allen and M. Shaw. 159,127, June 27
Toy duck. M. Greenfield. 160,165, Sept. 19.
Toy electric motor. E. D. Wilk. 158,705, May 23.
Toy elephant. E. A. P. Hall. 157,372, Feb. 21.
Toy elephant. B. L. Levinson. 160,795, Nov. 7.
Toy, Ferris wheel. P. Nemiroff. 159,220, July 4.
Toy figure. L. D. Hoyt. 157,496, Feb. 28.
Toy, Figure. D. H. Wilner. 161,229, Dec. 12.
Toy figure. B. Wolf. 157,457, Feb. 21.
Toy figure, Animated. D. Rockwood. 160,212, Sept. 19.
Toy figure container for games. J. S. Cole and D. E. Golden. 156,868, Jan. 17.
Toy figure for cats. D. C. Hogner. 158,859, June 6.
Toy figure, Inflatable. M. M. Bernstein. 161,305, Dec. 26.
Toy figure or the like, Spectacled. C. R. White. 158,704, May 23.
Toy figure or the like, Wheeled. H. Sebel. 160,217-19, Sept. 19.
Toy for pet animals, Double-ended pull. J. E. Low. 159,744, Aug. 15.
Toy gun. L. H. Kirkell. 159,276, July 11.
Toy gun. T. M. Shelton. 159,552, Aug. 1.
Toy, Helicopter. W. K. Crowder. 158,936–7, June 13.
Toy, Inflatable figure. G. Azov and S. Tkatch. 160,052, Sept. 12.
Toy kitten. F. J. Schippert. 156,849, Jan. 10.
Toy lamb. M. K. Vilsack. 158,423, May 2.
Toy, Locomotive. E. H. Wells. 158,533, May 9.
Toy mouse. B. L. Levinson. 160,794, Nov. 7.
Toy, Moving figure wheeled. H. C. Marsh. 160,644, Oct. 24.
Toy, Musical. T. L. Bonkowski and H. Solloway. 156,863, Jan. 17.
Toy, Musical. J. F. Goetz. 161,017, Nov. 28.
Toy, Musical. M. D. Sacks. 158,511, May 9.
Toy, Musical. M. Sivitz. 159,283, July 11.
Toy, Percussion vibrator. J. Schmucker. 158,900, June 6.
Toy, Performing figure. A. Cugat. 158,054, Apr. 11.
Toy pistol. G. I. Griffith. 159,904, Aug. 29.
Toy, Pounding. G. W. Young. 159,034, June 13.
Toy rocker. I. Thomas. 156,787, Jan. 3.
Toy roly-poly or the like. C. Greene. 160,782, Nov. 7.
Toy roly-poly or the like, Inflatable. A. Burkes. 158,646, May 23.
Toy, Rope-jumping figure. N. T. Baldanza. 157,121, Feb. 7.
Toy, Rubber rocking. A. O. Walker. 156,856, Jan. 10.
Toy savings bank. M. L. Buckley. 159,890, Aug. 29.
Toy savings bank. H. Stone. 158,230, Apr. 18.
Toy, Spinner. L. W. Schaper. 156,773, Jan. 3.
Toy stationary engine. H. L. Snavely. 160,281, Sept. 26.
Toy swing. I. Thomas. 157,215, Feb. 7.
Toy top. R. Sullivan. 158,908, June 6.
Toy tortoise, Wheeled. H. Sebel. 160,895, Nov. 14.
Toy truck. C. E. Steinke. 161,218, Dec. 12.
Toy vehicle. J. B. Fisher. 157,036, Jan. 31.
Toy vehicle. G. Periman. 161,367, Dec. 26.
Toy vending machine type bank. W. A. Jenkins. 159,624, Aug. 8.
Toy wagon and trailer, Combined. M. W. La Fever, Jr. 160,792, Nov. 7.
Toy, Weight operated climbing. R. C. Blaich and J. A. Banzhaf. 159,135, June 27.
Toy whistle. L. H. Berk. 158,172, Apr. 18.
Toy whistle. J. H. Jones. 159,071, June 20.
Track, Band. R. W. Smith. 157,211, Feb. 7.
Tractor, Child's walking. L. I. Powell. 160,886, Nov. 14.
Tractor, Garden. H. C. Roths. 157,432, Feb. 21.
Trailer. L. O. Dykes, Jr., and L. H. Dykes. 159,787, Aug. 22.
Trailer. J. G. Eldridge. 159,326, July 18.
Trailer. A. L. Lindig. 158,875, June 6.
Trailer body. J. J. Black. 157,329–30, Feb. 21.
Trailer hitch and bumper guard, Combination. R. H. Swaisgood. 157,643, Mar. 7.
Trailer, Tank. E. Mullen and R. Harris. 160,728, Oct. 31.
Transcribing machine. R. M. Somers. 159,233, July 4.
Transmitter, Facsimile. R. J. Wise, R. D. Parrott, and G. H. Ridings. 160,046, Sept. 5.
Transmitter, Facsimile. R. J. Wise, R. D. Parrott, and G. H. Ridings. 160,048, Sept. 5.
Transport truck and trailer, Combined automobile. C. B. Stevens. 161,063, Nov. 28.
Tray. H. E. Carlson. 160,690, Oct. 31.
Tray. F. M. Crook. 160,480, Oct. 17.
Tray. F. A. Rentchler. 159,755, Aug. 15.
Tray. C. E. Waltman. 159,454, July 25.
Tray and bobby pin opener, Combined. W. F. Feyrer. 160,079, Sept. 12.
Tray and heater, Combined portable. G. W. Walker. 157,107, Jan. 31.
Tray and receptacle holder, Combined. N. W. Liebel. 158,397, May 2.
Tray, Ash. E. Verlod. 158,159, Apr. 11.
Tray, Baby's crib. F. E. Rizzuto. 160,744, Oct. 31.
Tray, Bottle holding. R. W. Stevenson. 161,064, Nov. 28.
Tray, Bread. W. C. P. Zabel and R. C. Helfenbein. 158,033, Apr. 4.
Tray, Canasta card. F. Collura. 161,089, Dec. 5.
Tray, Card. R. R. Russell. 161,285, Dec. 19.
Tray, Door. A. Hertz. 160,387, Oct. 10.
Tray, Doughnut transporting. T. B. Brickson. 158,436, May 9.
Tray, Egg. S. B. Ernster. 160,848, Nov. 14.
Tray for comb and brush sets or similar articles, Covered receptacle. C. Castelli. 158,175, Apr. 18.
Tray for crackers or the like, Serving. T. H. Spence. 160,559, Oct. 17.
Tray for fruit and other articles, Compartmented. W. H. Randall. 160,737, Oct. 31.
Tray, Hors-d'oeuvre. P. L. and J. J. Feldman. 157,948–9, Apr. 4.
Tray, Individual card player's. E. W. Gardenhire. 158,063, Apr. 11.
Tray, Letter. D. R. Converse. 158,444, May 9.
Tray, Letter. E. Gronemeyer. 157,952, Apr. 4.

Tray, log, and salt and pepper shaker, Combined. W. E. Copeland. 160,844, Nov. 14.
Tray, Nursery utility. D. Honig. 157,259, Feb. 14.
Tray or similar article, Combination cracker and condiment. S. J. Manno. 160,725, Oct. 31.
Tray or similar article, Serving. N. W. Roop. 156,844, Jan. 10.
Tray, Plastic cutlery receptacle. H. C. Gessler. 159,900, Aug. 29.
Tray, Refrigerator. J. G. Lippincott. 159,356, July 18.
Tray, Revolving. C. W. Helm. 159,414, July 25.
Tray, Serving. R. A. Price. 157,700, Mar. 14.
Tray, Spoon. E. Ball. 158,544, May 16.
Tray table or similar article, Portable. S. G. Barnett. 157,324, Feb. 21.
Tray unit, Smoking stand. G. E. Andre. 158,242, Apr. 25.
Tray, Vanity. J. Gantz. 158,253, Apr. 25.
Tray, Vehicle steering wheel. R. P. Steadman. 159,237, July 4.
Tread, Metallic expanded. C. L. Moorman. 158,308, Apr. 25.
Treadle control for sewing machines and the like, Foot. P. H. Voorias. 158,820, May 30.
Trellis or similar article, Flower. W. Thompson. 158,627, May 16.
Triangle, Billiard ball. C. A. Sundell. 159,558, Aug. 1.
Triangle, Modular. H. F. Zagray. 157,458, Feb. 21.
Tricycle, Chariot type. T. D. Glamb. 158,455, May 9.
Tricycle, Child's walking. L. I. Powell. 160,887, Nov. 14.
Tricycle, Offset tandem. S. L. Glamb. 158,454, May 9.
Trim bar and name plate holder, Combined. E. O. Sheard. 160,553, Oct. 17.
Trim bar and name plate holder for an automobile, Combined. E. O. Sheard. 160,552, Oct. 17.
Trim bar and signal light housing for an automobile, Combined. H. W. Pilkey. 160,531, Oct. 17.
Trim bar, Automobile. H. T. Bannister. 160,462, Oct. 17.
Trim element, Coaster. I. A. Lipman. 158,399, May 2.
Trim molding, Automobile. H. T. Bannister. 160,461, Oct. 17.
Trim molding, Automobile. H. T. Bannister. 160,465, Oct. 17.
Trim molding, Automobile. E. O. Sheard. 160,548, Oct. 17.
Trimmer, Portable grass. B. F. Keiper. 161,109, Dec. 5.
Trimmer, Razor type hair. W. M. Mansfield. 157,063, Jan. 31.
Trimmer, Reversible hair. W. M. Mansfield. 157,064, Jan. 31.
Trimming or similar article. L. Beer. 157,559, Mar. 7.
Trimming or similar article. H. Stern. 157,641, Mar. 7.
Trimming or similar article, Embroidered. H. Tobler. 158,153, Apr. 11.
Trimming or similar article, Embroidered. H. Tobler. 158,819, May 30.
Trimming or the like, Flexible plastic. J. Frechtmann. 159,147, June 27.
Tripod. R. C. Wilcox and B. H. Dalton. 160,680, Oct. 24.
Trophy and clock, Combined. H. S. Reinhardt. 161,375, Dec. 26.
Trough for an automotive vehicle swinging window, Rain. R. J. Mauck. 157,991, Apr. 4.
Trousers. B. M. Havens. 160,941, Nov. 21.
Trousers, Child's. J. Herman. 160,944, Nov. 21.
Truck. F. G. Tilley. 160,035, Sept. 5.
Truck, Automobile. J. J. Powers. 161,052, Nov. 28.
Truck body. W. O. Ford. 157,361, Feb. 21.
Truck body. B. Schwartzman and W. C. Gatewood. 157,442, Feb. 21.
Truck, Dump. M. E. Whiteman. 159,877, Aug. 22.
Truck for vacuum cleaner and accessories, Hand. J. G. Haworth. 161,105, Dec. 5.
Truck, Industrial. R. H. Davies. 160,483, Oct. 17.
Truck or similar article, Utility. J. A. Hartenbach. 157,589, Mar. 7.
Truck, Power-operated platform. D. C. Jones. 159,988, Sept. 5.
Truck, Store service. S. N. Goldman. 159,976, Sept. 5.
Truck, Tank. C. B. Stevens. 159,108, June 20.
Trundle toy. O. Landy. 158,769, May 30.
Tumbler. W. L. Cone. 160,843, Nov. 14.
Tumbler and toothbrush holder, Combination. G. A. Hallenscheid. 157,145, Feb. 7.
Tumbler, Footed. G. Sakier. 158,131, Apr. 11.
Tumbler or similar article. C. W. Gustkey. 160,259, Sept. 26.
Turboelectric generator and lamp housing, Combined. W. H. Davis. 158,360, May 2.
Tweezer or similar article, Eyebrow. A. Henkel. 159,612, Aug. 8.
Tweezers. W. R. Tuttle and W. J. Beldue. 157,104, Jan. 31.
Tweezers, Self-locking. M. L. Hawk. 160,597, Oct. 24.
Typewriter. N. Bel Geddes and E. F. Noyes. 160,139, Sept. 19.
Typewriter. G. K. Geerlings. 160,704, Oct. 31.
Typewriting machine. W. A. Dobson. 158,731, May 30.
Typewriting machine. G. Prezioso. 158,798, May 30.
Umbrella. C. Katz. 158,765, May 30.
Undergarment, Slip-type. E. Darwin. 156,706, Jan. 3.
Undergarment, Slip-type. E. Darwin. 160,150, Sept. 19.
Underpants or the like, Man's. F. H. Eudy. 157,666, Mar. 14.
Urn, Coffee. W. B. and W. B. Law. 157,383, Feb. 21.
Urn or similar article. V. B. Evans. 159,792, Aug. 22.
Utensil, Bar. S. L. Gerson. 160,082, Sept. 12.
Utensil, Cooking. C. C. Carr. 160,070, Sept. 12.
Utensil, Cooking. C. J. Daubenberger. 159,786, Aug. 22.
Utensil, Cooking. E. G. Grundstrom. 156,879, Jan. 17.
Utensil, Covered cooking. P. Muller-Munk. 159,918, Aug. 29.
Utensil or similar article, Cooking. M. Kaplowitz and M. Hirsch. 160,864, Nov. 14.
Vacuum cleaner. P. W. Cherry. 158,441, May 9.
Vacuum cleaner. J. M. Sherrer. 157,708, Mar. 14.
Vacuum pump unit. A. S. Parks and B. Chandler. 158,998, June 13.
Valve for an insecticide bomb, Gas release control. S. H. Petry. 157,783, Mar. 21.
Valve, Hot and cold water mixing. H. G. Bissell. 159,134, June 27.
Valve key inserter. H. A. Berkman. 159,039, June 20.
Valve, Laboratory control. C. D. Arcularius. 159,771–2, Aug. 22.
Vanity case. M. Spitalny. 157,916, Mar. 28.
Vanity case and lipstick holder, Combined. S. Kaufman. 157,265, Feb. 14.
Vanity case and lipstick holder, Combined. M. Klotz. 157,502, Feb. 28.
Vanity case or the like. A. F. Reilly. 159,927, Aug. 29.
Vanity dresser. H. A. Thede. 157,304, Feb. 14.
Vaporizer. C. W. Sundberg. 161,142, Dec. 5.
Vaporizer for deodorant and similar tablets. H. F. Costello. 159,407, July 25.
Vaporizer, Liquid. J. H. Bair. 160,570, Oct. 24.
Vaporizer or the like, Insecticide. A. D. Slatkin. 157,798, Mar. 21.
Vase and card holder, Combined. M. Mortimer. 161,195, Dec. 12.
Vase or similar article. R. L. Buhrig. 161,087, Dec. 5.
Vase or similar article. R. L. Rust. 160,433, Oct. 10.
Vase or similar article, Glass. T. C. Heisey. 160,385, Oct. 10.
Vault, Burial. W. W. Haase. 160,315, Oct. 3.
Vault, Burial. W. J. G. Kirkpatrick. 157,872, Mar. 28.
Vehicle. E. C. De Smet. 157,351, Feb. 21.
Vehicle. F. M. Salisbury. 158,132–3, Apr. 11.
Vehicle, Articulated sight-seeing. W. D. Graham. 156,727, Jan. 3.
Vehicle, Automotive. I. Herpin. 161,024, Nov. 28.
Vehicle body. P. B. Porter. 160,012, Sept. 5.
Vehicle, Children's play. L. M. J. Foulke. 158,061, Apr. 11.
Vehicle, Child's. L. I. Powell. 160,885, Nov. 14.
Vehicle, Earth moving. E. B. Wagner. 157,452, Feb. 21.
Vehicle, Juvenile. W. I. Smith. 159,103–5, June 20.
Vehicle or similar article, Motor. J. J. Skelley. 161,060, Nov. 28.
Vehicle, Motor. J. J. Powers. 161,126, Dec. 5.
Vehicle, Pedal operated water. W. C. Heels and V. K. Inscho. 159,204, July 4.
Vehicle, Power-driven two-wheeled. T. G. Hare. 157,865, Mar. 28.
Vehicle, Vendor's. C. H. Amaral. 159,943, Sept. 5.
Velocipede. D. W. Gill. 158,452, May 9.
Velocipede. A. Kirchner. 158,466, May 9.
Vending machine. H. Bergstrom. 159,038, June 20.
Vending machine. C. A. Frick. 157,582, Mar. 7.
Vending machine. G. B. Kamp. 158,580, May 16.
Vending machine. E. L. Strempel. 157,101, Jan. 31.
Vending machine. H. J. Thompson. 160,229, Sept. 19.
Vending machine, Beverage. D. E. Lawson. 157,384, Feb. 21.
Vending machine, Beverage. K. C. Melikian and L. K. Rudd. 159,285, July 11.
Vending machine, Coin-controlled. C. A. Frick. 157,583, Mar. 7.
Vending machine, Coin controlled insurance policy. R. W. Brown. 160,145, Sept. 19.
Vending machine, Confection. G. Babcock. 156,861, Jan. 17.
Vending machine, insurance policy. J. M. Shaheen. 159,551, Aug. 1.
Vent for back guard rails of stoves. R. J. Merritt. 157,886, Mar. 28.
Ventilator for motor vehicle windows. A. Sprung and L. W. Weiss. 160,029, Sept. 5.
Ventilator or similar article, Vehicle window. H. Buerger. 160,470, Oct. 17.
Ventilator, Window. W. A. Spear. 158,623, May 16.
Vessel. E. A. Meyer and A. M. Deering. 157,992, Apr. 4.
Vessel, Pouring. W. L. Bumber. 157,126, Feb. 7.
Vessel, Undersea salvaging. W. Wiggins, Jr. 160,045, Sept. 5.
Viewer, Film. A. J. Van Alstyne. 160,037, Sept. 5.
Viewer for a continuous moving strip of film. F. Gilbert. 160,589, Oct. 24.
Viewer, Stereoscopic. C. M. Pettingell. 160,196, Sept. 19.
Viewing apparatus, Photographic. A. E. Schubert and W. S. Nivison. 156,919, Jan. 17.

Violin. I. Kohn. 158,469, May 9.
Visor, Automobile sun. E. F. Thomson. 160,034, Sept. 5.
Visor, Automobile windshield. O. L. Bihlmire. 159,041, June 20.
Visor for automobiles, Sun. A. D. Brundage. 159,780, Aug. 22.
Visor for motor vehicles. L. A. Hallstead. 159,062, June 20.
Visor for windshields, Sun glare. O. D. Crocker. 159,785, Aug. 22.
Visor, Sun. J. F. Saut. 159,867, Aug. 22.
Voltmeter-ammeter, Split core. S. J. Koch. 160,179, Sept. 19.
Waffle iron or similar article. D. F. McCarron. 161,035, Nov. 28.
Wagon, Household utility. L. Lowell. 158,876, June 6.
Wall bracket and vaporizer casing, Combined. E. Buehler. 158,552, May 16.
Wallpaper or the like. J. Seeman. 160,975, Nov. 21.
Wallpaper or the like. J. Seeman. 161,132–7, Dec. 5.
Wallpaper or the like. J. Seeman. 161,216, Dec. 12.
Wallpaper or the like. J. Seeman. 161,390–3, Dec. 26.
Wall plaque and condiment shaker unit, Combined. C. E. Jones. 157,497, Feb. 28.
Wallet. S. Knee. 157,054–5, Jan. 31.
Wallet or similar article. H. Chase. 157,341, Feb. 21.
Wallet, purse, and facial tissue holder, Combined. G. S. Chase. 157,738, Mar. 21.
Wardrobe, Child's. D. A. Caruso. 159,953, Sept. 5.
Wardrobe, Child's. W. J. and P. H. Cochrane. 156,699, Jan. 3.
Warmer, Baby food. E. M. O'Callaghan. 158,214, Apr. 18.
Warning light or similar article, Automobile. T. H. Wegener. 159,566, Aug. 1.
Washbasin and dressing table unit for bathrooms. W. S. Brown and W. A. Soverns. 156,864, Jan. 17.
Washstand, Covered. B. E. Jones. 157,049–50, Jan. 31.
Washer, Automatic clothes. R. C. Sandin. 156,772, Jan. 3.
Washer, Glass. T. H. Corbett. 159,047–8, June 20.
Washer, Glass. R. W. Orr. 157,993, Apr. 4.
Washing machine. R. C. Gwin, Jr. 156,880, Jan. 17.
Washing machine. R. C. Sandin. 156,771, Jan. 3.
Washing machine, Glass. C. B. Webber. 160,756, Oct. 31.
Washing machine, Vehicle. D. Fisher. 158,371, May 2.
Watch. O. Grun. 159,906, Aug. 29.
Watch band. E. R. Wright. 160,828, Nov. 7.
Watch band or similar article, Expansible. K. Speck. 160,558, Oct. 17.
Watch band or similar article, Expansible. T. Stern. 160,560, Oct. 17.
Watch bracelet and watch, Combined. E. L. Winn. 158,918, June 6.
Watchcase. H. Dinhofer. 159,409, July 25.
Watchcase. I. M. Lang. 157,691, Mar. 14.
Watchcase and bracelet, Combined. H. K. Tourneau. 161,296, Dec. 19.
Watchcase bezel. H. Dinhofer. 157,663–4, Mar. 14.
Watch case or the like, Wrist. R. M. Lachman. 157,606–7, Mar. 7.
Watch stand and jewelry holder, Combination. W. Freudenberg. 161,327, Dec. 26.
Watch, Wrist. B. Santini. 158,694, May 23.
Water and air dispensing column, Service station. E. E. Martin. 157,275, Feb. 14.
Water closet. W. L. Skidmore. 160,222, Sept. 19.
Water softening unit. E. Pick. 159,225, July 4.
Watering device, Plant. J. K. Lack. 158,596, May 16.
Weight, Wheel balance. G. E. Birkheimer. 159,776, Aug. 22.
Weight, Wheel balance. J. R. Dailey. 161,006, Nov. 28.
Wheel. C. W. Sinclair. 158,226–7, Apr. 18.
Wheel, Airplane control. C. M. Schindler. 157,440, Feb. 21.
Wheel balancer. A. F. Dean and D. C. Peterson. 158,730, May 30.
Wheelbarrow, Power-operated. D. C. Jones. 159,987, Sept. 5.
Wheel chair. R. T. Hogg. 160,388, Oct. 10.
Wheel chair. W. A. Linquist. 161,112, Dec. 5.
Wheel, Potter's. E. M. Netherby. 161,363, Dec. 26.
Wheeled toy. J. E. Brown. 158,713, May 30.
Whistle. P. J. Cormier. 160,372, Oct. 10.
Wind deflector. L. M. Goldstine and L. A. Hunting. 160,854–5, Nov. 14.
Wind deflector or similar article, Automobile. H. Karton. 159,813, Aug. 22.
Windshield for convertibles, Rear seat. H. K. Edlund, J. G. Monjar, G. R. Shuman, and R. De Tamble. 158,184, Apr. 18.
Wind vane. H. C. Brown. 160,364, Oct. 10.
Window unit, Trailer. D. L. Painter. 160,732, Oct. 31.
Wire material, Ophthalmic. R. F. E. Stegeman. 159,301, July 11.
Workbench, Mechanic's. A. P. Fox and A. D. Reisert. 157,748, Mar. 21.
Workbench, Technician's. F. J. Omo. 156,759, Jan. 3.
Wrench, Socket. C. D. McCammon and L. L. Mikeworth. 160,267, Sept. 26.
Wringer. F. A. Conterman. 159,959, Sept. 5.
Wrist watch and holding strap therefor, Combined. S. B. Glass. 157,667, Mar. 14.
Wrist watch and strap therefor, Combined. S. Kent. 156,744–6, Jan. 3.
Writing desk and typewriter desk, Combination. S. Nemes. 157,076, Jan. 31.
X-ray apparatus. E. R. Goldfield and R. J. Stava. 161,100, Dec. 5.
Xylophone. H. Zimmerman. 158,632, May 16.

1950

LIST OF PLANT INVENTIONS

Apple tree. L. Metzger, and C. C. Clark. 972, Aug. 15.
Avocado tree. K. L. Rusterholz. 969, July 25.
Azalea plant. G. H. Buhrman. 954, June 27.
Begonia plant. H. H. Lewis. 945, May 30.
Bougainvillea plant. J. S. Kirkland. 931, Apr. 11.
Camellia plant. E. J. Pfingstl. 927, Mar. 21.
Carnation plant. G. W. Bender, Jr. 19, Feb. 7.
Chrysanthemum plant. V. R. De Petris. 988, Nov. 21.
Chrysanthemum plant. E. Prushek. 987, Nov. 7.
Dogwood plant. E. Muller. 965, July 18.
Dracaena plant. J. A. Blaser. 982, Oct. 10.
Flowering crab apple tree. A. F. den Boer. 939, May 9.
Flowering quince plant. W. B. Clarke. 940, May 9.
Flowering quince plant. W. B. Clarke. 941, May 16.
Fuchsia plant. V. Reiter, Jr. 925, Feb. 28.
Gaillardia plant. P. R. Whittier. 962, July 11.
Gardenia plant. R. I. McLellan and N. B. Morrow. 989, Nov. 21.
Ivy plant. P. J. Burgoyne. 979, Sept. 5.
Lilac plant. W. B. Clarke. 937, Apr. 25.
Lilac plant. W. B. Clarke. 946, June 13.
Nectarine tree. F. W. Anderson. 974, Aug. 22.
Nectarine tree. F. W. Anderson. 980, Sept. 19.
Peach tree. R. Christofferson. 970, Aug. 1.
Peach tree. W. T. Kirkman, Jr. 920, Feb. 7.
Peach tree. A. L Martin. 930, Apr. 4.
Peach tree. P. M. Reedy. 971, Aug. 8.
Peach tree. L. W. Sherwood. 924, Feb. 14.
Peach tree. J. Vetter. 966, July 18.
Pelargonium plant. J. P. Reid. 981, Sept. 26.
Philodendron plant. H. F. Bohne. 990, Nov. 21.
Plum tree. E. Stark. 995, Nov. 28.
Rose plant. H. E. Barké. 918, Jan. 31.
Rose plant. E. S. Boerner. 913–15, Jan. 24.
Rose plant. E. S. Boerner. 926, Mar. 21.
Rose plant. E. S. Boerner. 947–9, June 13.
Rose plant. E. S. Boerner. 975, Aug. 29.
Rose plant. E. S. Boerner. 978, Sept. 5.
Rose plant. E. S. Boerner. 992, Nov. 28.
Rose plant. L. A. Brady. 932, Apr. 18.
Rose plant. J. D. Brownell. 928, Mar. 28.
Rose plant. J. D. Brownell. 942, May 23.
Rose plant. J. D. Brownell. 955, June 27.
Rose plant. C. G. Duehrsen. 967, July 25.
Rose plant. H. M. Eddie. 144,074, Dec. 19.
Rose plant. E. G. Fisher. 997–9, Dec. 12.
Rose plant. C. Hartgerink. 912, Jan. 10.
Rose plant. F. H. Howard. 953, June 20.
Rose plant. F. H. Howard. 986, Nov. 7.
Rose plant. F. H. Howard. 996, Dec. 5.
Rose plant. P. J. Howard. 944, May 30.
Rose plant. W. E. Lammerts. 943, May 23.
Rose plant. M. P. H. Leenders. 950, June 13.
Rose plant. E. B. Le Grice. 917, Jan. 31.
Rose plant. F. Meilland. 911, Jan. 3.
Rose plant. F. Meilland. 933–4, Apr. 18.
Rose plant. F. Meilland. 958–61, July 4.
Rose plant. F. Meilland. 977, Aug. 29.
Rose plant. L. Moro. 951, June 13.
Rose plant. T. J. Morris. 922–3, Feb. 14.
Rose plant. G. Ohlhus. 935–6, Apr. 18.
Rose plant. W. R. Pierson, Jr. 916, Jan. 24.
Rose plant. W. L. Spandikow. 964, July 18.
Rose plant. H. C. Swim. 921, Feb. 7.
Rose plant. H. C. Swim. 938, May 2.
Rose plant. H. C. Swim. 952, June 13.
Rose plant. H. C. Swim. 963, July 11.
Rose plant. H. C. Swim. 968, July 25.
Rose plant. H. C. Swim. 983–5, Oct. 24.
Rose plant. H. C. Swim. 994, Nov. 28.
Rose plant. H. A. Verschuren. 957, June 27.
Rose plant. H. A. M. Verschuren. 991, Nov. 21.
Rose plant. J. de Vink. 973, Aug. 15.
Rose plant. J. de Vink. 976, Aug. 29.
Strawberry plant. O. E. Felten. 929, Mar. 28.
Strawberry plant. M. Hagerstrom. 993, Nov. 28.

874049—P——84

1950

LIST OF ABSTRACTS OF APPLICATIONS ARRANGED BY INVENTIONS

This list includes abstracts published in 1949

Accelerating the polymerization of polyallyl esters. E. H. Kroeker and H. T. Neher. Ser. No. 772,215, published Jan. 31, 1950.

Accelerometer. J. W. Fraser and L. C. Loschky. Ser. No. 560,068, published Sept. 6, 1949.

Acoustic energy direction indicator. E. W. Kellogg. Ser. No. 733,221, published May 23, 1950.

Acoustical testing, Method and apparatus for. K. R. Jackman. Ser. No. 708,206, published Mar. 14, 1950.

Acrylic esters of hemiacetals. L. N. Bauer and H. T. Neher. Ser. No. 773,922, published Nov. 1, 1949.

Acrylicvinyl acetate copolymers containing a small proportion of allyl dicarboxylic acid ester therein, Preparation of. J. B. Dickey. Ser. No. 621,389, published Aug. 30, 1949.

Aiming sight comprising a plurality of collimating lenses in side-by-side relation. L. H. Brown. Ser. No. 534,511, published Dec. 12, 1950.

Aircraft de-icer. S. Maas. Ser. No. 721,385, published Oct. 24, 1950.

Aircraft power plant. C. A. Meyer. Ser. No. 12,675, published Sept. 26, 1950.

Aligning and clamping means for laminated magnet cores. D. Kimble. Ser. No. 703,322, published July 12, 1949.

Alkali metal alloy coatings, Production of. H. N. Gilbert. Ser. No. 748,353, published May 16, 1950.

Alkali metals, Production of. P. F. Bente, Jr. Ser. No. 643,002, published Sept. 5, 1950.

Alkyl esters. F. F. Snowdon. Ser. No. 1,059, published Mar. 14, 1950.

Alloy. J. C. Granfield. Ser. No. 752,287, published July 5, 1949.

Alloys containing beryllium, Zinc casting. R. H. Harrington. Ser. No. 740,716, published July 5, 1949.

α-(Carbomethoxy)-thioacetamide color couplers. C. J. Kibler and A. Weissberger. Ser. No. 730,550, published Sept. 13, 1949.

Alternating current relay circuit. J. Benish and A. L. Sweet. Ser. No. 614,768, published July 12, 1949.

Altimeter, Frequency controlled F. M. H. Kihn. Ser. No. 642,934, published Jan. 17, 1950.

Altimeter, Radio. H. C. Lawrence, Jr. Ser. No. 604,457, published June 13, 1950.

Aluminum-conductor alloy. R. H. Harrington. Ser. No. 18,482, published July 5, 1949.

Amplifier. A. S. Nusbaum. Ser. No. 699,041, published Oct. 18, 1949.

Amplifier, Band rejection. R. M. Walker. Ser. No. 609,660, published Nov. 7, 1950.

Amplifier compandor system, Audio. G. W. Demuth. Ser. No. 769,581, published July 19, 1949.

Amplifier, Diode. G. M. Rose, Jr. Ser. No. 3,219, published Sept. 20, 1949.

Amplifier, Direct-current. M. Kalfaian. Ser. No. 684,902, published Oct. 11, 1949.

Amplifier, Gated video. W. Otto. Ser. No. 575,320, published Nov. 1, 1949.

Amplifier, Magnetron. W. D. White. Ser. No. 672,007, published Nov. 1, 1949.

Amplifier, Regulator. J. H. Wiens and W. R. Baker. Ser. No. 88,814, published July 25, 1950.

Amplifier, Single-tuned low-noise intermediate frequency. H. A. Finke. Ser. No. 597,769, published Nov. 14, 1950.

Amplifier system, Neutralized. B. S. Vilkomerson. Ser. No. 655,438, published July 25, 1950.

Amplifier system, Super-regenerative. H. B. Stott. Ser. No. 624,290, published July 19, 1949.

Amplifier system, Wide band signal. M. Cawein. Ser. No. 630,402, published Nov. 29, 1949.

Amplifier, Tunable wide band. E. I. Anderson. Ser. No. 22,907, published July 26, 1949.

Amplifier, Wide band. J. L. Lawson. Ser. No. 62,911, published Mar. 7, 1950.

Amplifying system. A. R. Morgan. Ser. No. 741,080, published Sept. 20, 1949.

Analyzing fluorocarbon compositions. H. M. Haendler and L. L. Burger. Ser. No. 631,420, published Mar. 14, 1950.

Anchor, Thermocouple. H. W. Newson. Ser. No. 693,332, published Dec. 26, 1950.

Angle layout fixtures. R. E. McDowell. Ser. No. 634,131, published Aug. 15, 1950.

Antacid composition. L. L. Hardt. Ser. No. 82,489, published Mar. 14, 1950.

Antenna. J. G. Beard. Ser. No. 678,555, published Aug. 2, 1949.

Antenna. O. Frink, Jr. Ser. No. 656,243, published Dec. 20, 1949.

Antenna. J. Steinberger. Ser. No. 584,227, published Aug. 2, 1949.

Antenna. L. C. Van Atta. Ser. No. 598,150, published Oct. 11, 1949.

Antenna apparatus. E. A. Luebke. Ser. No. 560,974, published Aug. 2, 1949.

Antenna, Dummy. C. Stewart, Jr. Ser. No. 611,682, published July 26, 1949.

Antenna, Loop. L. L. Libby. Ser. No. 733,322, published Sept. 27, 1949.

Antenna, Low-drag broad-band. R. S. Wehner. Ser. No. 651,902, published Aug. 16, 1949.

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Antenna, Spring loaded collapsible. A. C. Germer. Ser. No. 679,098, published Apr. 25, 1950.

Apparatus for cutting metal. J. J. Crowe. Ser. No. 566,875, published Dec. 27, 1949.

Applying a line-to-ground fault on an electrical conductor. T. A. Cramer. Ser. No. 65,705, published Jan. 31, 1950.

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Aqueous emulsions of glycol diesters. C. A. Sperati and G. E. Wintermute. Ser. No. 723,656, published Sept. 13, 1949.

Arc extinguishing device. E. J. Wade. Ser. No. 635,316, published Oct. 4, 1949.

Assaying bacterial growths. F. H. Johnson. Ser. No. 661, published Sept. 19, 1950.

Attaching printing plates to drums. J. Finno. Ser. No. 596,717, published Jan. 10, 1950.

Austenitic chromium-nickel steels. R. Franks and W. O. Binder. Ser. No. 15,148, published July 19, 1949.

Automatic winch brake. S. M. Carleen. Ser. No. 683,963, published Dec. 12, 1950.

Bandages. W. Eustis. Ser. No. 81,586, published Aug. 15, 1950.

Barium-beryllium-borate glass. K. Sun and M. L. Huggins. Ser. No. 689,534, published Dec. 6, 1949.

Barium manganate, Production of. G. S. Haines, D. Williams, and R. M. Thomas. Ser. No. 687,238, published Jan. 31, 1950.

Batteries, Dry. S. Sussman. Ser. No. 509,998, published Oct. 11, 1949.

Beta-ionylidenecrotonic acid. J. D. Cawley. Ser. No. 668,771, published Aug. 29, 1950.

Bifunctional methacrylates. A. W. Anderson and E. O. Ramler. Ser. No. 671,395, published Apr. 11, 1950.

Bis amino pyrazolone couplers for color photography. P. W. Vittum, A. Weissberger, and H. D. Porter. Ser. No. 668,778, published Feb. 7, 1950.

Bomb release circuit. R. K. Mosher. Ser. No. 598,164, published Sept. 20, 1949.

Borate glass, Thorium-free. P. F. De Paolis. Ser. No. 700,156, published Dec. 6, 1949.

Bread leavening improver. R. W. Selman, Jr. Ser. No. 788,687, published May 2, 1950.

Broad band crystal detector coupling circuit. R. A. Braden. Ser. No. 625,911, published Sept. 13, 1949.

Brush, Contact. R. D. Ahles and F. L. Bullis. Ser. No. 116,012, published Oct. 24, 1950.

Brush contact member, Electrical. A. P. Adamson. Ser. No. 637,712, published Jan. 17, 1950.

Cabinet for television or like receiver. A. Wright. Ser. No. 719,175, published Aug. 23, 1949.

Cable adjusting device. F. J. W. Schoenborn. Ser. No. 527,361, published July 4, 1950.

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Calcium penicillin composition, and preparing same, Relatively-stable. E. Pribyl and C. Glaser. Ser. No. 651,612, published May 9, 1950.

Calculator. E. W. Ernst. Ser. No. 647,638, published Aug. 9, 1949.

Camera, Focusing. D. L. Wood and G. P. Silberstein. Ser. No. 620,806, published Aug. 23, 1949.

Capacitor, Miniature high voltage. B. H. Goldy and L. W. Foster. Ser. No. 776,482, published Feb. 14, 1950.
Capacitors, By-pass. R. L. Harvey and C. Wentworth. Ser. No. 659,232, published May 2, 1950.
Capacitors, Electric. F. M. Clark. Ser. No. 601,361, published May 30, 1950.
Capacitors, Fixed. M. J. Obert. Ser. No. 575,283, published July 12, 1949.
Cartridge belt link. H. P. Troendly, S. J. Becker, and D. C. Gillespie. Ser. No. 676,842, published Feb. 28, 1950.
Cast commutator. I. Kalikow. Ser. No. 93,989, published Aug. 1, 1950.
Cathode ray centering. H. R. Shaw and M. J. Obert. Ser. No. 35,828, published Aug. 15, 1950.
Cathode ray time interval indicator. G. Jacobs and H. L. Morrison. Ser. No. 694,388, published Oct. 25, 1949.
Cathode treatment to facilitate removal of electrolytic manganese. P. E. Churchward. Ser. No. 560,834, published Aug. 2, 1949.
Cellulose derivative products and preparing them. C. J. Malm and G. D. Hiatt. Ser. No. 658,569, published Aug. 30, 1949.
Cellulose organic acid ester compositions containing a 2,5-dialkyl ether of an acyl phenone. L. W. A. Meyer and W. M. Gearhart. Ser. No. 763,146, published Aug. 1, 1950.
Cellulose organic ester fibers of increased mildew resistance. J. R. Caldwell. Ser. No. 614,093, published Aug. 22, 1950.
Cemented carbide piston ring. G. F. Taylor. Ser. No. 536,274, published Nov. 28, 1950.
Centrifuge. T. R. Komline. Ser. No. 635,635, published July 5, 1949.
Chain fastening device. H. A. Moore. Ser. No. 520,893, published Aug. 23, 1949.
Check-out counter. J. W. Hassel and E. M. Harwell. Ser. No. 169,378, published Nov. 7, 1950.
Chills. J. G. Mezoff. Ser. No. 676,378, published Oct. 18, 1949.
Circuit and control, Locking. R. E. Schock. Ser. No. 630,429, published Aug. 16, 1949.
Circuit assembly, Electronic. P. Maresca. Ser. No. 594,142, published Aug. 2, 1949.
Circuit for radio apparatus, Input. H. J. Schrader. Ser. No. 504,228, published Aug. 2, 1949.
Circuits, Control. P. R. Bell, Jr. Ser. No. 558,041, published Oct. 11, 1949.
Circuits, Deflection control. E. L. Clark and A. Wright. Ser. No. 618,340, published Apr. 18, 1950.
Circuits, Electrical. D. Gale. Ser. No. 595,361, published Sept. 20, 1949.
Circuits, Electrical delay. H. H. Wittenberg. Ser. No. 764,801, published Jan. 3, 1950.
Circuits, Metering. H. C. Lawrence, Jr., and R. R. Freas, Jr. Ser. No. 650,370, published June 27, 1950.
Circuits, Peak limiter. M. G. Crosby. Ser. No. 537,340, published Dec. 20, 1949.
Circuits, Radio. P. H. Reedy. Ser. No. 609,647, published Jan. 17, 1950.
Circuits, Tone control. D. M. Kaltenbacher. Ser. No. 669,025, published Aug. 2, 1949.
Circuits, Tunable band-pass. H. Ruben. Ser. No. 593,499, published Aug. 23, 1949.
Clinometer. O. A. Oxford. Ser. No. 645,977, published Sept. 12, 1950.
Clip support for indirectly heated cathode. R. E. Higgs. Ser. No. 22,347, published Aug. 2, 1949.
Clippers, Veneer. E. W. Knokey. Ser. No. 775,654, published Sept. 13, 1949.
Closures. C. E. Allerton. Ser. No. 581,016, published Aug. 16, 1949.
Coating composition, Fusible. A. E. Young. Ser. No. 551,075, published Nov. 29, 1949.
Coating composition, Mullite containing. H. F. Wagner. Ser. No. 610,167, published Aug. 30, 1949.
Coating compositions, Preparing starch-containing. W. L. Craig. Ser. No. 606,278, published Feb. 14, 1950.
Coatings for eliminating static electricity on aircraft in flight. W. H. Bennett. Ser. No. 731,454, published May 9, 1950.
Coaxial antenna switch. R. T. Wahl. Ser. No. 632,584, published Apr. 4, 1950.
Coaxial line termination. J. W. Tiley. Ser. No. 537,295, published Apr. 11, 1950.
Coaxial relay switch. W. S. Quincy, Jr. Ser. No. 612,119, published Nov. 22, 1949.
Code converter. A. Kahn. Ser. No. 714,087, published July 19, 1949.
Coil for dynamoelectric machine. B. A. Curley. Ser. No. 122,249, published Sept. 19, 1950.
Coil winding machine and method. J. W. Fraser and R. R. Mager. Ser. No. 605,170, published Dec. 6, 1949.
Coining flanges of tubes, Method of and apparatus for. J. B. Adler. Ser. No. 722,180, published Feb. 14, 1950.
Color stabilization of vinyl halide resins. F. W. Cox and J. M. Wallace, Jr. Ser. No. 617,170, published Sept. 27, 1949.
Color temperature and exposure meter. E. Berlant. Ser. No. 645,978, published July 12, 1949.
Coloring superpolyamide fibers. E. Kraehenbuehl, E. Meier, and A. Schuerch. Ser. No. 16,388, published Mar. 14, 1950.
Communicating apparatus. L. Bess. Ser. No. 604,049, published Nov. 1, 1949.
Communication apparatus. M. D. O'Day. Ser. No. 604,048, published Dec. 27, 1949.
Communication method. D. G. C. Hare and J. N. Adkins. Ser. No. 604,060, published Sept. 20, 1949.
Commutating devices. J. W. Christensen. Ser. No. 620,138, published July 26, 1949.
Compositions containing polymers of copolymers of vinyl chloride. R. G. Heyes and G. P. Lee. Ser. No. 88,223, published Aug. 8, 1950.
Compositions of matter and processes. F. Linsker and R. L. Evans. Ser. No. 612,554, published Sept. 13, 1949.
Compounding butadiene synthetic rubbers prepared by an aqueous emulsion process. F. L. McKennon. Ser. No. 703,973, published Sept. 12, 1950.
Compounding of synthetic rubber. D. E. Sauser. Ser. No. 586,279, published Oct. 3, 1950.
Compounds containing a para phenylenediamine nucleus, Surface-active. C. F. H. Allen and C. V. Wilson. Ser. No. 717,798, published Feb. 14, 1950.
Compressor, Gas. D. W. Lynch. Ser. No. 701,355, published Aug. 16, 1949.
Computer, Electronic. F. P. Herrnfeld. Ser. No. 640,112, published Oct. 24, 1950.
Concentration of vitamins A and D by selective adsorption. N. D. Embree and O. Hawks. Ser. No. 653,948, published Feb. 28, 1950.
Concrete form liners. D. S. Walter. Ser. No. 627,767, published July 4, 1950.
Condensation products of condensed ring acids. F. Linsker. Ser. No. 638,925, published Jan. 10, 1950.
Condensers, Ceramic disc. C. Wentworth. Ser. No. 631,439, published Apr. 18, 1950.
Condensers, Electrical. L. Egerton. Ser. No. 788,678, published Aug. 22, 1950.
Condensers, Electrical. C. L. Scheer and H. V. Knauf, Jr. Ser. No. 552,260, published Jan. 3, 1950.
Conjugate antenna matching circuit. R. B. Lawrance and A. J. Poté. Ser. No. 590,051, published Aug. 30, 1949.
Container-cover-cap. I. C. Christensen. Ser. No. 714,319, published Aug. 23, 1949.
Containers, Dispensing. L. H. Brodrick. Ser. No. 560,225, published Oct. 11, 1949.
Control circuit. P. C. Jacobs, Jr. Ser. No. 580,018, published Aug. 16, 1949.
Control method and apparatus. S. Cromer. Ser. No. 610,646, published July 11, 1950.
Control system. D. C. Bright. Ser. No. 580,061, published Oct. 25, 1949.
Copper deposits, Electroforming. H. P. Billings and F. C. Stubbs. Ser. No. 618,784, published July 5, 1949.
Copy sheet for block out duplication. R. W. Tatge. Ser. No. 689,709, published July 18, 1950.
Counting circuit. M. H. Mesner and H. F. Calcote. Ser. No. 658,165, published Oct. 25, 1949.
Coupling systems, Frequency selective. W. V. Roberts. Ser. No. 29,630, published Sept. 6, 1949.
Crossed dichroic reflector means having opaque areas. J. D. Jones. Ser. No. 788,565, published May 30, 1950.
Crystal detectors. T. H. Kinman. Ser. No. 713,639, published Aug. 23, 1949.
Crystal mixer. R. E. Hoglund and A. J. Yakutis. Ser. No. 623,415, published Oct. 11, 1949.
Crystal simulating networks. A. H. Ross and G. G. Bower. Ser. No. 627,081, published Mar. 7, 1950.
Crystalline ammonium-penicillin and obtaining it. T. F. Cleary, Jr. Ser. No. 611,450, published Aug. 1, 1950.
Crystals, Manufacturing. M. Fox and C. S. Pearsall. Ser. No. 604,013, published Nov. 22, 1949.
Current collector. T. F. Worth. Ser. No. 702,720, published July 12, 1949.
Decreasing the water susceptibility of zein. H. J. Hagemeyer, Jr. Ser. No. 711,833, published Aug. 8, 1950.
Deodorizing fats. K. C. D. Hickman. Ser. No. 600,403, published July 11, 1950.
Detector. E. M. Williams. Ser. No. 574,167, published Dec. 20, 1949.
Detector, Ground. F. von Roeschlaub. Ser. No. 602,383, published July 26, 1949.
Detector, Limiting phase. M. G. Crosby. Ser. No. 605,128, published Aug. 23, 1949.
Detent mechanism. H. H. Porter. Ser. No. 526,424, published Sept. 20, 1949.
Determining altitude. J. J. Slattery. Ser. No. 472,154, published Oct. 18, 1949.
Device for measuring circuit constants. H. B. Michaelson. Ser. No. 635,826, published July 19, 1949.
Dielectric material. W. O. Baker and N. R. Pape. Ser. No. 717,034, published June 27, 1950.
Di(fluorophenyl) polychloro hydrocarbons. N. E. Searle. Ser. No. 654,225, published Oct. 10, 1950.
Dinitrobenzeneazonaphthalene compounds containing a sulfonamide group. J. B. Dickey and J. G. McNally. Ser. No. 671,418, published Aug. 30, 1949.
Direct suspension of a ribbon parachute canopy with the aid of the shroud lines. F. S. Weinig. Ser. No. 776,044, published July 4, 1950.
Directional system. H. M. Wagner. Ser. No. 641,162, published Aug. 16, 1949.
Disazo-dyestuffs. H. Siebenbuerger, H. Mayer, and H. Riat. Ser. No. 40,437, published Nov. 29, 1949.

Disc and process, Recording. H. R. Montague. Ser. No. 573,087, published May 16, 1950.
Discharge device, Ultra high frequency. K. R. Spangenberg. Ser. No. 612,287, published May 9, 1950.
Discriminator. H. G. Weiss. Ser. No. 563,933, published Jan. 24, 1950.
Discriminator, Pulse width. R. M. Tryon. Ser. No. 778,969, published Mar. 28, 1950.
Disinsectization apparatus. D. L. Snow. Ser. No. 773,725, published Nov. 28, 1950.
Disinsectization units. E. D. Hopkins and D. L. Snow. Ser. No. 538,800, published Aug. 8, 1950.
Dispersing insecticides and the like, Method and apparatus for. H. F. Johnstone. Ser. No. 596,800, published May 9, 1950.
Distance measuring systems. W. D. Houghton. Ser. No. 537,754, published June 13, 1950.
Distillation process. K. W. Gee. Ser. No. 747,843, published July 25, 1950.
Dl-alpha-amino-beta-thiolisovaleric acid hydrochloride and its production. C. L. Mehltretter. Ser. No. 708,043, published Aug. 2, 1949.
Dolly, Automatic electric motion-picture. W. C. Heckler, R. L. Furse, and J. R. Bunyan. Ser. No. 702,106, published Nov. 1, 1949.
Drill bit. C. C. Goolsbee. Ser. No. 623,637, published Dec. 13, 1949.
Drive, Railway truck and axle. J. C. Rhoads. Ser. No. 702,509, published Jan. 31, 1950.
Drying process for sheeted cellulose pulp for acetylation and the like. G. A. Richter. Ser. No. 667,105, published Sept. 13, 1949.
Dyeing fine fibers and yarns of high vinylidene chloride copolymers. C. C. Kennedy and H. W. Wass. Ser. No. 707,032, published Nov. 1, 1949.
Dynamically balanced radio noise filter. M. Y. Eck. Ser. No. 601,911, published Nov. 15, 1949.
Dynamoelectric machine. L. J. Clark and D. J. Pitstow. Ser. No. 123,428, published Nov. 21, 1950.
Dynamoelectric machine. C. J. Koch. Ser. No. 107,117, published Sept. 5, 1950.
Dynamoelectric machine. K. R. McDougal. Ser. No. 703,885, published Sept. 13, 1949.
Dynamoelectric machine commutator. I. Kalikow and C. F. Olson. Ser. No. 23,754, published July 19, 1949.
Electric current collector. J. A. Riley. Ser. No. 753,011, published July 12, 1949.
Electric switch. P. Hutt. Ser. No. 757,268, published May 9, 1950.
Electrical apparatus. L. W. Alvarez. Ser. No. 621,561, published Mar. 21, 1950.
Electrical apparatus. A. M. Clogston. Ser. No. 608,291, published Sept. 12, 1950.
Electrical apparatus. M. E. Droz. Ser. No. 644,168, published Dec. 6, 1949.
Electrical apparatus. F. J. Gaffney. Ser. No. 639,645, published May 23, 1950.
Electrical apparatus. L. W. Mallach. Ser. No. 590,050, published Oct. 4, 1949.
Electrical apparatus. S. Noodleman. Ser. No. 651,304, published Jan. 24, 1950.
Electrical apparatus. K. S. Packard, Jr. Ser. No. 611,655, published Sept. 6, 1949.
Electrical apparatus. W. V. Patton, C. L. Petze, Jr., and C. Robertson. Ser. No. 716,984, published Feb. 14, 1950.
Electrical apparatus of the magnetron type. L. R. Walker. Ser. No. 644,160, published Mar. 28, 1950.
Electrical circuit. H. W. Babcock. Ser. No. 604,042, published Aug. 16, 1949.
Electrical circuit. S. B. Cohen. Ser. No. 665,998, published Jan. 31, 1950.
Electrical circuit. A. M. Grass and T. W. Niemiec. Ser. No. 596,725, published Jan. 24, 1950.
Electrical circuit. H. E. Kallmann. Ser. No. 595,360, published Mar. 28, 1950.
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Electrical circuit. L. D. Smullin and J. B. Wiesner. Serial No. 594,255, published Aug. 2, 1949.
Electrical condenser. G. L. Usselman. Ser. No. 598,266, published Dec. 20, 1949.
Electrical control apparatus. A. M. Grass. Ser. No. 594,259, published Oct. 4, 1949.
Electrical device. A. C. Hughes, Jr. Ser. No. 678,237, published Aug. 16, 1949.
Electrical device. E. E. Miller. Ser. No. 595,364, published Jan. 24, 1950.
Electrical device. P. H. Miller. Ser. No. 598,155, published Jan. 24, 1950.
Electrical regulator. H. B. Abajian. Ser. No. 594,269, published Jan. 10, 1950.
Electrical system. J. H. Irving and W. O. Reed. Ser. No. 604,041, published Dec. 27, 1949.
Electrical system. J. M. La Rue and D. F. Winter. Ser. No. 587,187, published Oct. 4, 1949.
Electrical system. L. N. Ridenour. Ser. No. 590,053, published Feb. 28, 1950.
Electrical systems. B. B. Cork and J. L. Lawson. Ser. No. 591,588, published Aug. 2, 1949.
Electrochemical method and means for metal identification. J. A. Calamari. Ser. No. 737,061, published Aug. 23, 1949.
Electrode for electron dicharge devices, apertured sheet metal. T. J. Henry. Ser. No. 756,721, published July 5, 1949.
Electrode support and exhaust duct for electric discharge devices. P. Plion. Ser. No. 55,478, published May 16, 1950.
Electrodeposition anode. L. N. Smith. Ser. No. 740,609, published Jan. 24, 1950.
Electrodeposition of uranium. E. D. Eastman. Ser. No. 3,507, published Dec. 12, 1950.
Electrolysis method and apparatus. F. J. Dobrovolny. Ser. No. 642,936, published Aug. 29, 1950.
Electromagnetic apparatus. H. M. Martin. Ser. No. 625,587, published Sept. 13, 1949.
Electromagnetic structure. G. B. Holland. Ser. No. 755,368, published Jan. 17, 1950.
Electromagnetically operated switch. C. I. Hall. Ser. No. 564,419, published July 19, 1949.
Electromechanical apparatus. E. H. B. Bartelink. Ser. No. 594,257, published Sept. 20, 1949.
Electromechanical system. S. Noodleman. Ser. No. 591,745, published Sept. 20, 1949.
Electron emitting coatings, making. E. B. Fehr. Ser. No. 101,487, published July 4, 1950.
Electronic apparatus. V. J. Duke. Ser. No. 673,282,p ublished July 11, 1950.
Electronic function generator. A. W. Vance. Ser. No. 607,887, published June 20, 1950.
Electronic relay. W. A. Anderson. Ser. No. 665,381, published Aug. 23, 1949.
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Electronic tester for continuity. M. Pitinsky and R. J. Teetsell. Ser. No. 599,298, published May 2, 1950.
Electroplating. E. W. Rieger and C. J. Klein. Ser. No. 614,254, published Mar. 21, 1950.
Electrostatic precipitator. L. R. Koller. Ser. No. 717,393, published Apr. 4, 1950.
Electrostatic separation of garnet and diopside. F. Fraas. Ser. No. 2,799, published July 11, 1950.
Elevation angle indicator. N. E. Lindenblad. Ser. No. 556,556, published July 12, 1949.
Entrenching tool. L. Larson. Ser. No. 557,540, published Aug. 2, 1949.
Ester and making same. P. O. Tawney. Ser. No. 752,834, published Jan. 10, 1950.
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Ethylbenzene derivatives, Manufacture of. G. M. Rothrock. Ser. No. 639,140, published Mar. 28, 1950.
Ethylene dinitramine pellets. C. P. Spaeth and C. H. Winning. Ser. No. 767,665, published Apr. 4, 1950.
Extrusion die. F. H. Wenz. Ser. No. 679,138, published Sept. 20, 1949.
Facsimile system. E. M. Deloraine and D. D. Grieg. Ser. No. 3,234, published July 11, 1950.
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Fastener. T. R. Wilson. Ser. No. 602,136, published Nov. 22, 1949.
Fastening means and method. H. J. Joyal. Ser. No. 624,777, published June 20, 1950.
Fatty acid-modified polyester resins. V. H. Turkington and L. Shechter. Ser. No. 667,476, published Aug. 30, 1949.
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Feeder for molten glass. C. H. Billman. Ser. No. 610,592, published Nov. 22, 1949.
Ferronickel, Production of high-grade. S. F. Ravitz. Ser. No. 89,552, published May 2, 1950.
Fibrin products and preparing the same. J. D. Ferry and P. R. Morrison. Ser. No. 507,903, published Nov. 7, 1950.
Filament voltage compensating circuit. R. Overholt, Jr. Ser. No. 594,138, published May 16, 1950.
Film package. E. J. Wiegand and E. H. Garretson. Ser. No. 653,082, published Aug. 23, 1949.
Films for optics, Single- and multilayer thin. R. W. Boydston. Ser. No. 766,431, published Dec. 5, 1950.
Films of radioactive compounds suitable for isotopic analysis and analyzing radioactive isotopic mixtures, Producing thin. J. S. Spevack. Ser. No. 786,880, published Oct. 31, 1950.
Fluid seal. G. D. Stapleton. Ser. No. 696,995, published Apr. 11, 1950.
Fluorination process. J. R. Ruhoff. Ser. No. 779,219, published Sept. 12, 1950.
Fly spray comprising a diaryl disulfide. W. D. Stewart and J. H. Standen. Ser. No. 707,526, published Aug. 16, 1949.
Forming compositions for rubber compounding. M. K. Smith. Ser. No. 694,822, published Nov. 8, 1949.
Forms for walls, Portable. W. D. Peterson. Ser. No. 713,732, published May 2, 1950.
Frequency divider. R. A. Monfort. Ser. No. 665,932, published Aug. 22, 1950.
Frequency shift signaling. D. R. Goddard. Ser. No. 692,096, published Nov. 15, 1949.
Furfuryl alcohol-melamine-aldehyde resins. A. P. Dunlop and E. L. Washburn. Ser. No. 604,081, published Nov. 29, 1949.

Furniture tops and producing the same. C. A. Rishell. Ser. No. 651,417, published Sept. 26, 1950.
Gage for garrison cap. E. M. Fineberg and J. F. O'Connell. Ser. No. 570,425, published Nov. 28, 1950.
Gas filled electric cable. E. M. Flynn. Ser. No. 607,833. published Nov. 21, 1950.
Gas turbine apparatus. A. S. King, Jr. Ser. No. 53,210. published Oct. 24, 1950.
Gear shifting mechanism. R. E. Malles. Ser. No. 672,076, published Aug. 30, 1949.
Generators, Radio signal. V. D. Landon. Ser. No. 681,456, published Apr. 25, 1950.
Glass and metal seal assembly. L. F. Perott. Ser. No. 772,150, published Oct. 10, 1950.
Glass laminate, Multiple. G. S. Stamaroff. Ser. No. 789,055, published July 26, 1949.
Glass-to-metal seal. J. Fischer. Ser. No. 704,412, published June 27, 1950.
Glue, Water-resistant plywood. A. K. Smith, G. E. Babcock, and C. D. Evans. Ser. No. 549,246, published Dec. 6, 1949.
Grommets. R. A. Fairbairn and C. Van Atta. Ser. No. 604,053, published Dec. 13, 1949.
Gun mechanism, Counter recoil. V. F. Lucht. Ser. No. 708,370, published Sept. 6, 1949.
Heating and quenching unit, Induction. J. A. Redmond. Ser. No. 784,329, published Sept. 5, 1950.
Heating apparatus, High frequency electric field. P. A. Cautilli. Ser. No. 650,048, published Mar. 28, 1950.
Heating control system. J. H. Deane. Ser. No. 724,174, published Aug. 30, 1949.
Heating device and control, Electric. T. A. Kerr. Ser. No. 724,678, published July 25, 1950.
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1950

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Aerial cable cutout. George C. Salmons and Leo J. Dornbos. No. 2,457,925; date of patent Jan. 4, 1949; disclaimer filed July 20, 1950; v. 637; p. 635.

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1950

DECISIONS PUBLISHED IN THE OFFICIAL GAZETTE

Ambrose, Paul M., et al. *v.* John A. Marzall, Commissioner of Patents. 641 O. G. 8.
Automatic Radio Mfg. Co., Inc., *v.* Hazeltine Research, Inc. 637 O. G. 629.
Barrett et al., In re. 636 O. G. 694; 639 O. G. 279.
Bean, In re. 639 O. G. 977.
Beltz, In re. 637 O. G. 1285.
Blondiau, In re. 636 O. G. 1064.
Bloomer, In re. 633 O. G. 331.
Booge et al., In re. 635 O. G. 690.
Botnen *v.* Dorman. 632 O. G. 961.
Bowden et al., In re. 641 O. G. 716.
Bremner et al., In re. 638 O. G. 6.
Brenn, In re. 639 O. G. 1334.
Carew, In re. 634 O. G. 681.
Dalton et al., In re. 640 O. G. 1060.
Delancey, In re. 633 O. G. 5.
Eger et al., In re. 641 O. G. 1016.
Feight, In re. 636 O. G. 696.
Field *v.* Knowles. Field et al. *v.* Knowles. 640 O. G. 697.
Flosdorf et al. *v.* Siedentopf. 641 O. G. 1018.
Frey, In re. 639 O. G. 5.
Gilbert et al. *v.* Marzall, Commissioner of Patents. 637 O. G. 981.
Goldstein *v.* Marzall, Commissioner of Patents. 636 O. G. 389.
Graver Tank & Mfg. Co., Inc., *v.* Linde Air Products Co. 636 O. G. 5.
Hackenthal *v.* Anderson. 635 O. G. 689.
Hansen et al., In re. 640 O. G. 695.
Hayes, In re. 634 O. G. 9.
Henze, In re. 636 O. G. 698.
Heritage, In re. 639 O. G. 638.
Hittson, In re. 636 O. G. 690.
Hoyler, In re. 639 O. G. 979.
International Standard Electric Corporation *v.* Marzall, Commissioner of Patents. 639 O. G. 969.
Jabour, In re. 640 O. G. 11.
Jaeger et al., In re. 631 O. G. 929.
Japikse, In re. 638 O. G. 963.
Jeffrey Mfg. Co. *v.* Kingsland, Commissioner of Patents. 631 O. G. 5.
Jennings, In re. 638 O. G. 5.
Jennings *v.* Hill. 641 O. G. 348.
Kinderman, In re. 633 O. G. 682.
Kingsland *v.* Dorsey. 630 O. G. 881.
Konet et al. *v.* Robert Haskins, Jr., et al. 635 O. G. 1001.
Krukovsky et al., In re. 641 O. G. 719.
Kuhn, In re. 641 O. G. 9.
Kunz et al., In re. 636 O. G. 389.
Kvalnes *v.* Wright. 641 O. G. 1015.
Laidley, In re. 634 O. G. 5.
Lee, In re. 641 O. G. 345.
Levin, In re. 634 O. G. 7.
Mariani, In re. 631 O. G. 613.
Marzall, Commissioner of Patents, *v.* Fox. 633 O. G. 5.
Meyer, In re. 633 O. G. 677.
Miller *v.* Nemmer et al. 636 O. G. 10.
Moore, In re. 638 O. G. 965.
Moran, In re. 636 O. G. 1061.
Mulholland, In re. 636 O. G. 1062.
Norris, In re. 635 O. G. 687.
Oakes, In re. 634 O. G. 1015.
Obermeyer et al., In re. 638 O. G. 321.
Ostermann et al., In re. 634 O. G. 1331.
Ott, In re. 639 O. G. 978.
Park, In re. 636 O. G. 395.
Payne *v.* Moore. 636 O. G. 687.
Pike et al., In re. 633 O. G. 680.
Porter et al., In re. 641 O. G. 1013.
Reid, In re. 635 O. G. 694.
Roberts, In re. 633 O. G. 334.
Rose, In re. 639 O. G. 277.
Scharmann *v.* Kassel. 636 O. G. 391.
Seagram, Joseph E., & Sons, Inc., *v.* John A. Marzall, Commissioner of Patents. 632 O. G. 335.
Searle *v.* Glarum et al. 635 O. G. 345.
Smith, In re. 640 O. G. 1055.
Southland Paper Mills, Inc., of Texas as assignee of Charles Carpenter et al. *v.* John A. Marzall, Commissioner of Patents. 641 O. G. 8.
Staeger, In re. 640 O. G. 5.
Standard Oil *v.* Marzall, Commissioner of Patents. 633 O. G. 995.
Stanhope Nixon and Nixon Nitration Works *v.* John A. Marzall, Commissioner of Patents. 641 O. G. 7.
Stern, In re. 641 O. G. 346.
Taylor, In re. 641 O. G. 714.
Thomas, In re. 630 O. G 1095.
Varian *v.* Llewellyn. 633 O. G. 998.
Ward, In re. 641 O. G. 357.
Washburn, In re. 640 O. G. 8.
Weigel, In re. 641 O. G. 705.
Wiegand et al., In re. 639 O. G. 635.
Wood, In re. 637 O. G. 5.

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